SEL

MAR 2017

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 = 424

PROJECT ID: 2980-00-70

WITH: N/A

COUNTY: MILWAUKEE

16



N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

W EDGERTON AVENUE

(W LOOMIS ROAD TO S 27TH STREET)

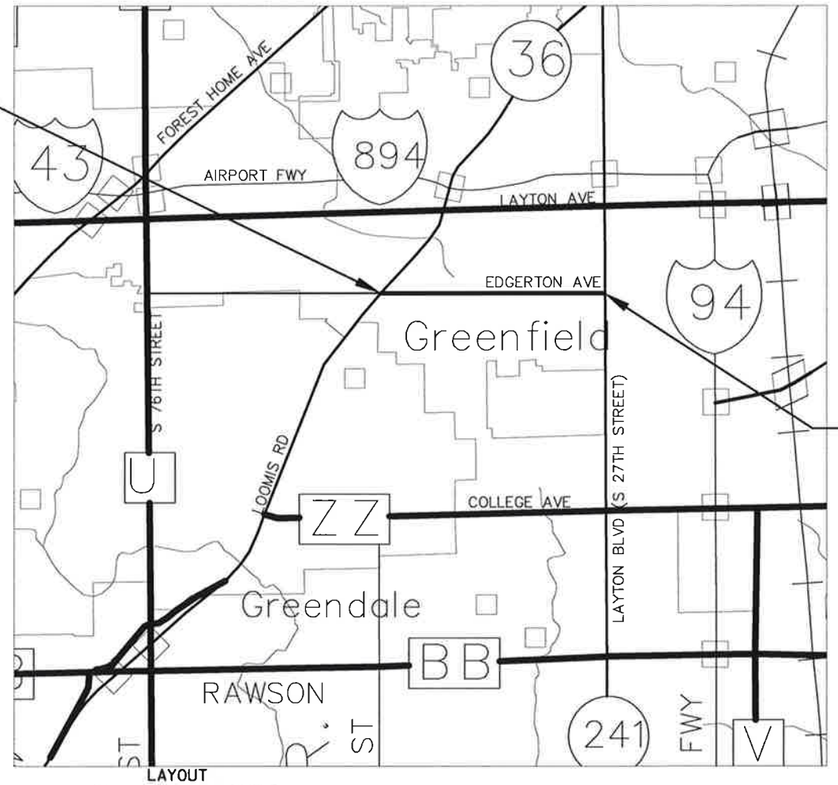
LOCAL STREET

MILWAUKEE COUNTY

STATE PROJECT NUMBER
2980-00-70

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
2980-00-70	WISC 2017105	1

BEGIN PROJECT
STA 95+97.59
X= 2541828.898
Y= 353591.649



END PROJECT
STA 168+00.89

LAYOUT

SCALE 0 1 MILE

TOTAL NET LENGTH OF CENTERLINE = 1.364 MI

HORIZONTAL DATUM IS BASED ON THE WISCONSIN STATE PLANE COORDINATE SYSTEM GRID, SOUTH ZONE (NAD-27), AND ALL THE BEARINGS ARE REFERRED TO GRID NORTH. COMBINATION SCALE AND SEA LEVEL REDUCTION FACTOR 0.99992514

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM (NGVD29)

DESIGN DESIGNATION

A.A.D.T.	2017	=	4600
A.A.D.T.	2037	=	5100
D.H.V.		=	780
D.D.		=	59/41
T.		=	3.9%
DESIGN SPEED		=	30 MPH
ESALS		=	340,000

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)
- PROPOSED MANHOLE
- PROPOSED INLET
- 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

ACCEPTED FOR
CITY OF GREENFIELD

10-27-16
DATE

CITY ENGINEER

ORIGINAL PLANS PREPARED BY
KAPUR & ASSOCIATES, INC.
CONSULTING ENGINEERS
MILWAUKEE, WISCONSIN
414.751.7200

WISCONSIN
TIMOTHY M FLYNN
E-34114
PORT WASHINGTON
WISCONSIN
PROFESSIONAL ENGINEER

10/27/16
(Date)

(Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor: KAPUR & ASSOCIATES

Designer: KAPUR & ASSOCIATES

Management Consultant: DAAR

APPROVED FOR THE DEPARTMENT

DATE: 10/31/16

(Management Consultant Signature)

E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\010101_TI.DWG
LAYOUT NAME - 010101_TI - TITLE SHEET 1 IN EQ 1 MI

PLOT DATE : 10/26/2016 11:27 AM

PLOT BY : WALTER A. WOLAK II PLOT NAME :

WISDOT/CADDS SHEET 10

GENERAL NOTES

1. DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCLUSIVE OF THE PAVEMENT OR SIDEWALK, ARE TO BE TOPSOILED, FERTILIZED AND SEEDED AS DIRECTED BY THE ENGINEER UNLESS OTHERWISE NOTED ON PLANS.

2. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. IT'S CONTRACTORS RESPONSIBILITY TO VERIFY LOCATIONS OF ALL UTILITIES.

3. ALL RADII ARE MEASURED TO THE FLANGE OF CURB.

4. GRATE AND RIM ELEVATIONS ARE GIVEN TO THE FLOWLINE OF THE INLET OR AT THE CENTER OF THE MANHOLE.

5. ALL CURB AND GUTTER ELEVATIONS ARE GIVEN AT THE FLANGE LINE AND TOP OF CURB.

6. ALL OPENINGS OR HOLES BELOW SUBGRADE RESULTING FROM REMOVALS OR ABANDONMENTS SHALL BE BACKFILLED WITH BACKFILL GANULAR GRADE 2 MATERIAL. BACKFILL GANULAR GRADE 2 MATERIAL IS INCIDENTAL TO REMOVALS.

7. NO TREES OR SHRUBS BEYOND THE LATERAL CLEARANCE ARE TO BE REMOVED WITHOUT PRIOR APPROVAL OF THE ENGINEER UNLESS OTHERWISE NOTED ON PLANS.

8. EROSION CONTROL FEATURES ARE AT SUGGESTED LOCATIONS. THEY SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR DISTURBANCE OF EXISTING SURFACE MATERIAL ON SITE.

9. WHEN THE QUANTITY OF ITEMS OF BASE AGGREGATE OR HMA PAVEMENT IS MEASURED BY THE TON, THE DEPTH OR THICKNESS ON THE PLAN IS APPROXIMATE AND THE ACTUAL DEPTH OR THICKNESS WILL DEPEND ON THE DISTRIBUTION OF MATERIAL AS DIRECTED BY THE ENGINEER.

10. ALL #4 TIE BARS FOR CURB AND GUTTER SHALL BE INCIDENTAL TO THIS CONTRACT.

11. ALL DRIVEWAY REPLACEMENTS SHALL BE CROWNED WITH A 1% SLOPE UNLESS NOTED OTHERWISE.

12. EXTERNAL SEALS SHALL BE INSTALLED ON ALL SANITARY MANHOLES WITHIN PROJECT AREA.

LAYERS AND GRADATIONS:

TOTAL DEPTH	PAVEMENT TYPE	LAYER DEPTH
5"	4 LT 58-28 S	1.75" UPPER LAYER
	3 LT 58-28 S	3.25" LOWER LAYER

OTHER CONTACTS

WISCONSIN DOT
MS. KATHLEEN KRAMER
141 NW BARSTOW STREET
WAUKESHA, WI 53187
(262) 548-8772

CITY OF GREENFIELD
MR. JEFF KATZ
7325 W. FOREST HOME AVE
GREENFIELD, WI 53220
(414) 329-5314

DESIGN CONSULTANT
MR. JUSTIN ARNDT
7711 N. PORT WASHINGTON ROAD
MILWAUKEE, WI 53217
(414) 751-7233

CITY OF GREENFIELD POLICE DEPARTMENT
5300 WEST LAYTON AVE
GREENFIELD, WI 53220
(414) 761-5300

WISCONSIN DNR
MS. KRISTINA BETZOLD
2300 N. DR. MARTIN LUTHER KING JR. DR.
MILWAUKEE, WI 53212
(414) 263-8517

MILWAUKEE COUNTY SURVEYOR
MR. ROB MERRY, PLS
SEWRPC
W239 N1812 ROCKWOOD DRIVE
P.O. BOX 1607
WAUKESHA, WI 53187
(262) 953-4289
RMERRY@SEWRPC.ORG

UTILITY CONTACTS

AT&T WISCONSIN
MR. JEFF OLDENBURG
2005 PEWAUKEE ROAD
WAUKESHA, WI 53188
(262) 896-7522
MOBILE: (414) 412-7047
JO2376@ATT.COM

CHARTER COMMUNICATIONS
MR. STEVE CRAMER
1320 N. DR. MLK, JR. DRIVE
MILWAUKEE, WI 53212
(414) 277-4045
MOBILE: (414) 688-2385
STEVE.CRAMER@CHARTER.COM

WE ENERGIES - GAS
MR. JOESPH DIVITO
650 WARRENVILLE RD, STE 200
LISLE, IL 60532
(630) -324-5122
JDIVITO@PRIMERAENG.COM

MILWAUKEE WATER WORKS
MR. DAVE GOLDAPP
841 N. BROADWAY
MILWAUKEE, WI 53202
(414) 286-6301
MOBILE: (414) 708-2695
DAVE.GOLDAPP@MILWAUKEE.GOV

WE ENERGIES - ELECTRIC
MR. JOE LAMPADA
201 1ST STREET
RACINE, WI 53403
(262) 886-7046
JOE.LAMPADA@WE-ENERGIES.COM

CITY OF GREENFIELD - SANITARY
MR. DAN EWERT
4551 S. 52ND STREET
GREENFIELD, WI 53220
(414) 761-5372
DAN.EWERT@GREENFIELDWI.GOV

WisDOT TRAFFIC SIGNALS
WISDOT ELECTRICAL FIELD UNIT
935 S. 60TH STREET
WEST ALLIS, WI 53214
(414) 266-1170
MOBILE: (414) 750-1443

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

STANDARD ABBREVIATIONS

AEW	APRON END WALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CMCP	CORRUGATED METAL CULVERT PIPE
CONC	CONCRETE
CP	CULVERT PIPE
CPRC	CULVERT PIPE REINFORCED CONCRETE
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EAT	ENERGY ABSORBING TERMINAL
FE	FIELD ENTRANCE
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE
NB	NORTHBOUND
NC	NORMAL CROWN
NIC	NOT IN CONTRACT
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RRSP	RAILROAD SPIKE
RT	RIGHT
SALV	SALVAGED
SAPBC	SALVAGED ASPHALTIC PAVEMENT BASE COARSE
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWINGS
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
VCL	VERTICAL CURVE LENGTH
VPC	VERTICAL POINT OF CURVE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENT

ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
REMOVAL PLAN
PLAN DETAIL
PAVING GRADES
EROSION CONTROL PLAN
POND DETAILS
STORM SEWER PLAN
PERMANENT SIGNING/ PAVEMENT MARKING
LIGHTING PLAN
TRAFFIC SIGNAL PLAN
TRAFFIC CONTROL PLAN
DETOUR PLAN
ALIGNMENT PLAN

2

2

2

BEGIN PROJECT
STA 95+97.59

BEGIN CONSTRUCTION
STA 93+26.89

R/L W EDGERTON AVE

DRAINAGE SWALE

R/L S 43RD ST

R/L S 41ST ST

R/L S 40TH ST

W LOOMIS RD

S 48TH ST

R/L S 48TH ST

W EDGERTON AVE

S 43RD ST

S 41ST ST

S 40TH ST

S HONEY CREEK DR

R/L S MALLARD CIRCLE

R/L S HONEY CREEK DR

S MALLARD CIRCLE

MATCHLINE STA 130+00

N

MATCHLINE STA 130+00

R/L S 35TH ST

DRAINAGE DEPRESSIONAL AREA

R/L S 35TH ST SERVICE DR

R/L S 37TH ST

R/L S 36TH ST

R/L S 34TH ST

R/L S 31ST ST

R/L S 30TH ST

R/L FD DRIVE

END PROJECT
STA 168+00.89

S 37TH ST

S 36TH ST

S 35TH ST

S 35TH ST SERVICE DRIVE

S 34TH ST

S 31ST ST

S 30TH ST

FD DRIVE

S 27TH ST

R/L S 37TH ST

R/L S HIDDEN DR

S HIDDEN DR

TUCKAWAY BLVD

W EDGERTON AVE

R/L TUCKAWAY BLVD

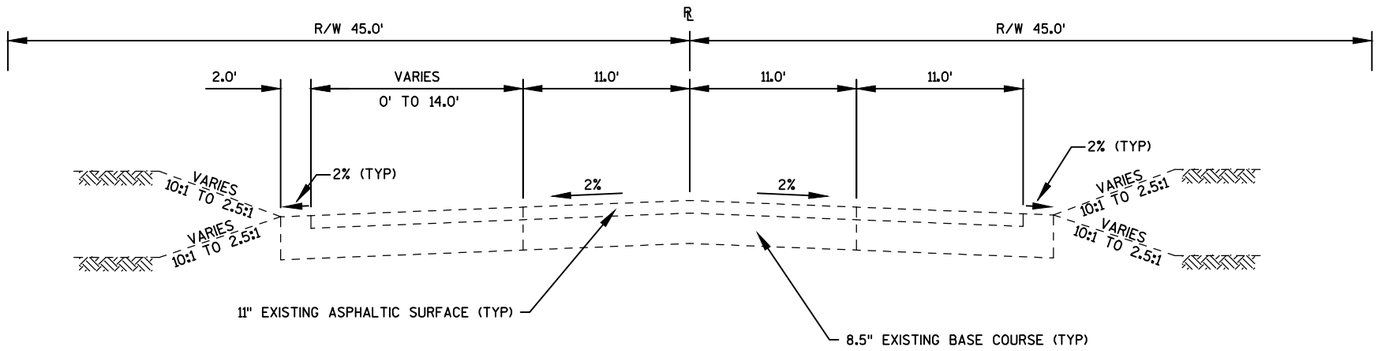
R/L W EDGERTON AVE

R/L S TUCKAWAY DR

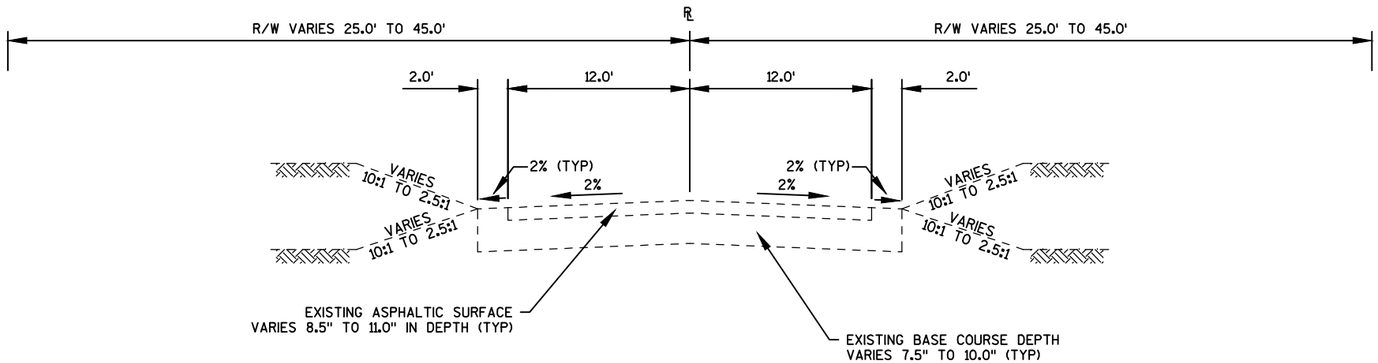
S TUCKAWAY DR

N

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PROJECT OVERVIEW	SHEET 4	E

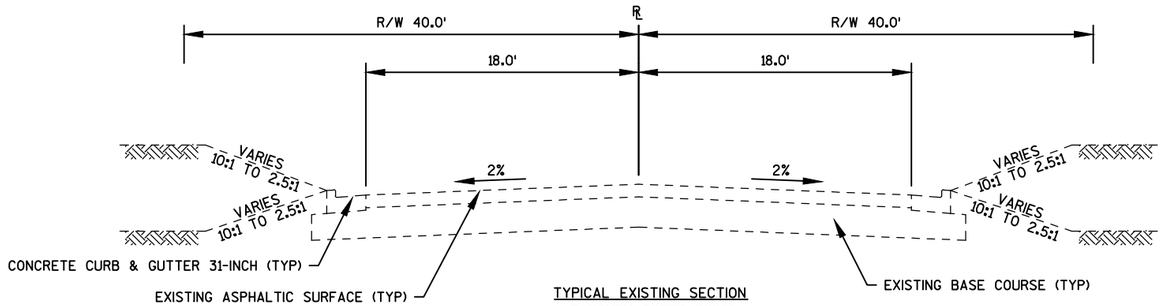


TYPICAL EXISTING SECTION
EDGERTON AVE
STA 166+18.00 TO STA 168+00.89

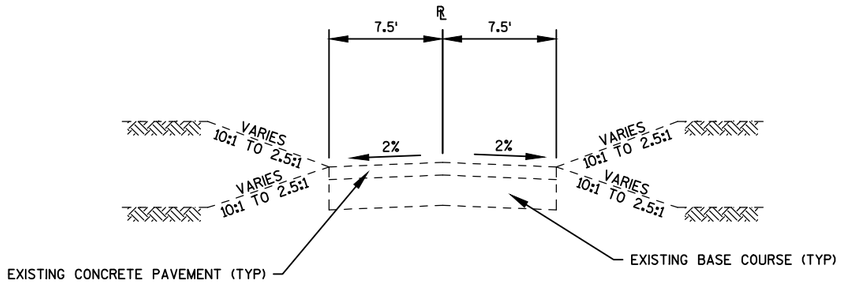


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EDGERTON AVE
STA 95+97.59 TO STA 166+18.00

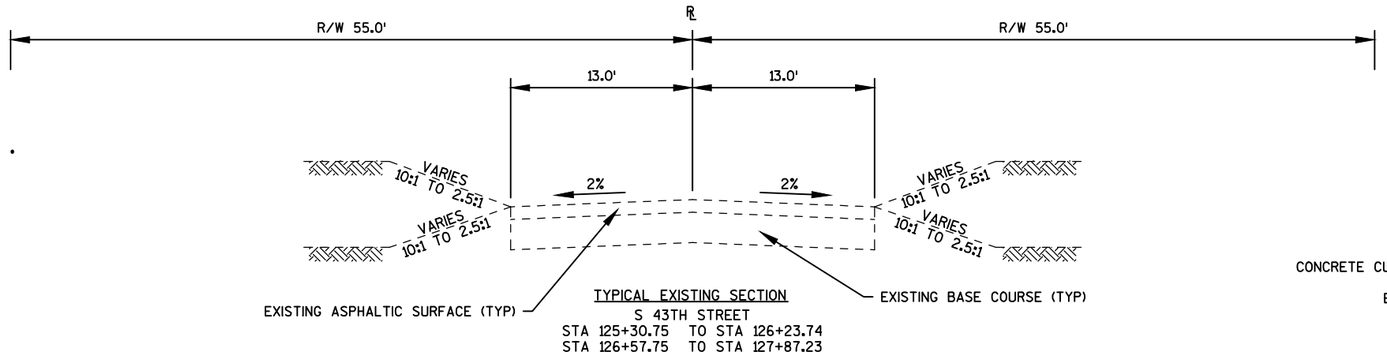
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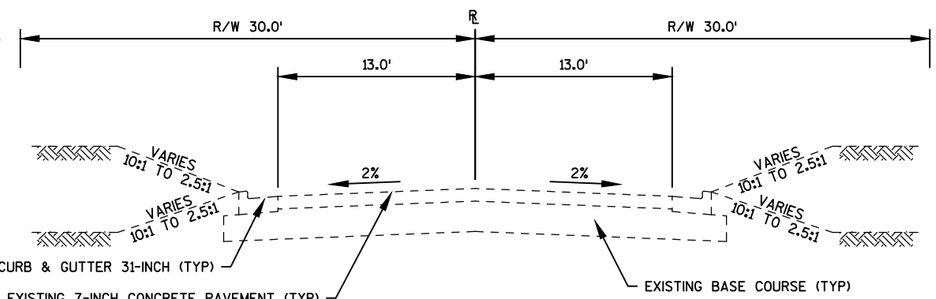
TYPICAL EXISTING SECTION
S HONEY CREEK DRIVE
STA 9+51.66 TO STA 9+83.00



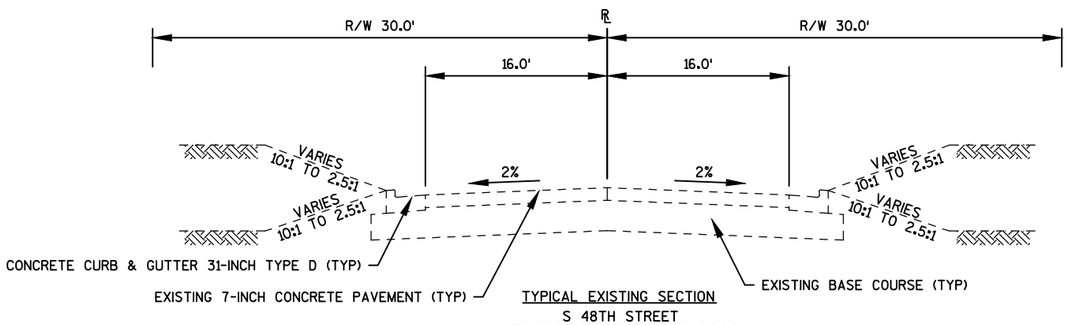
TYPICAL EXISTING SECTION
S MALLARD CIRCLE (PRIVATE DRIVE)
STA 9+42.00 TO STA 9+83.00



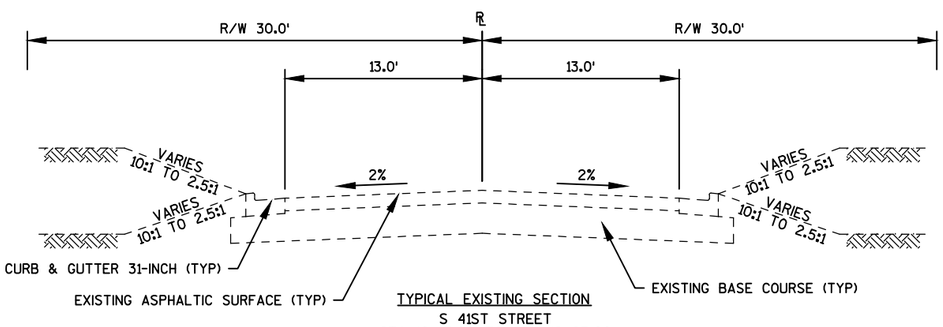
TYPICAL EXISTING SECTION
S 43TH STREET
STA 125+30.75 TO STA 126+23.74
STA 126+57.75 TO STA 127+87.23



TYPICAL EXISTING SECTION
S 40TH STREET
STA 10+17.00 TO STA 11+50.00

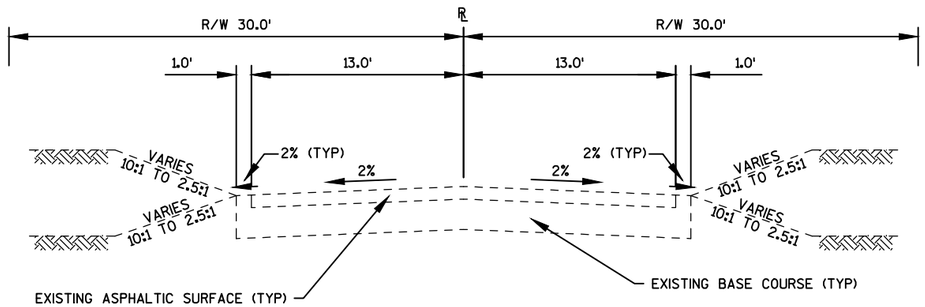


TYPICAL EXISTING SECTION
S 48TH STREET
STA 8+75.00 TO STA 9+83.00

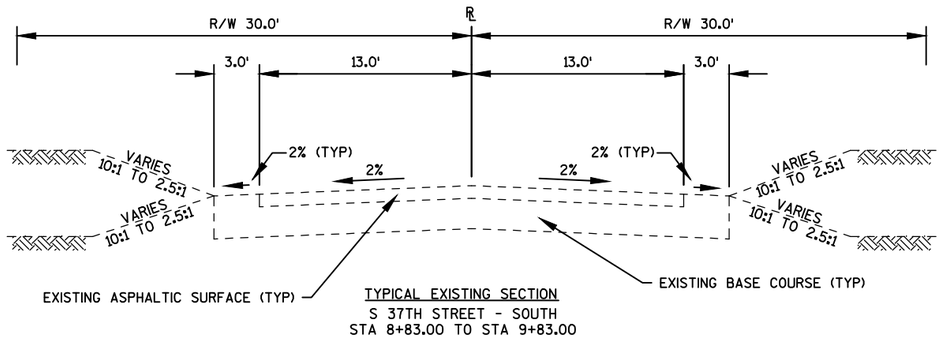


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S 41ST STREET
STA 10+17.00 TO STA 12+25.00

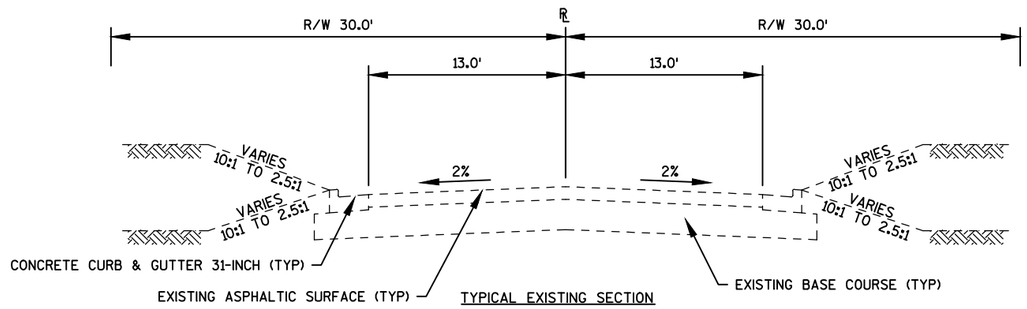
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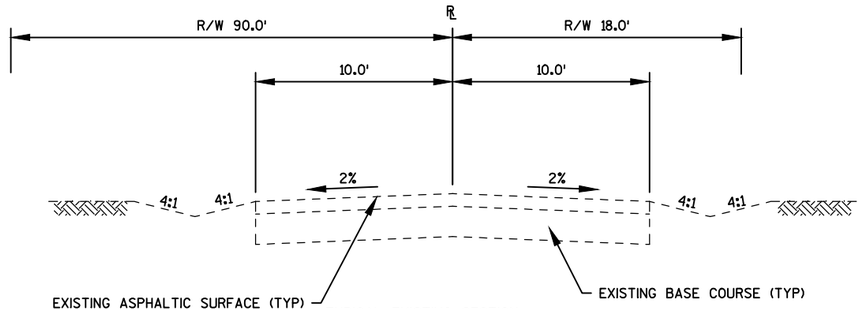
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S 36TH STREET
STA 10+17.00 TO STA 10+60.00



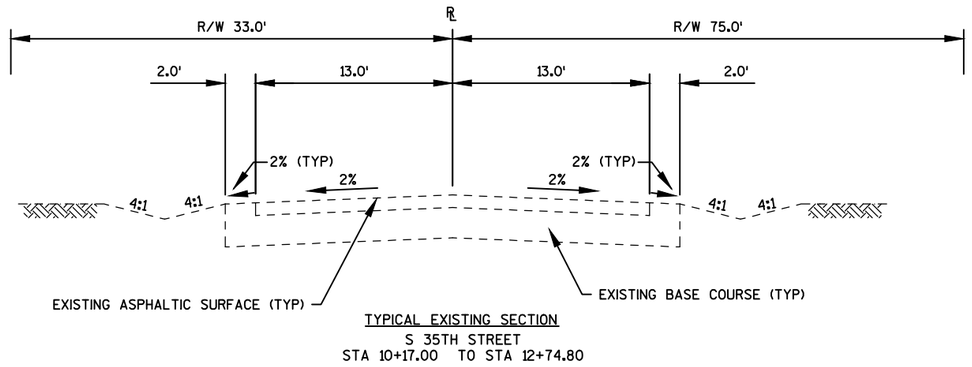
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S 37TH STREET - SOUTH
STA 8+83.00 TO STA 9+83.00



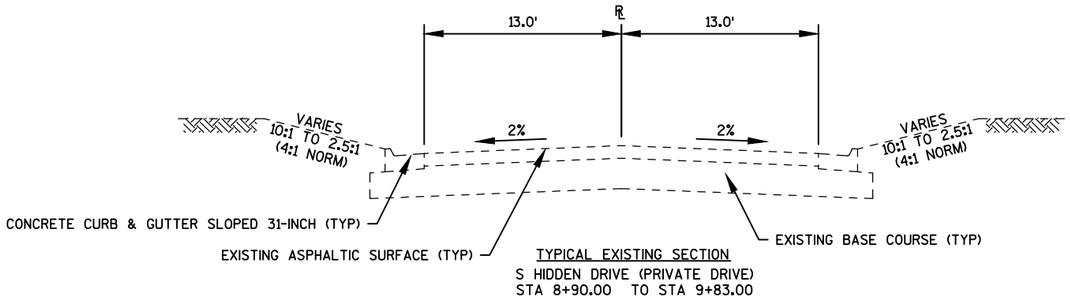
TYPICAL EXISTING SECTION
S 37TH STREET - NORTH
STA 10+17.00 TO STA 11+10.00



TYPICAL EXISTING SECTION
S 35TH STREET SERVICE DRIVE
STA 8+48.05 TO STA 10+44.72

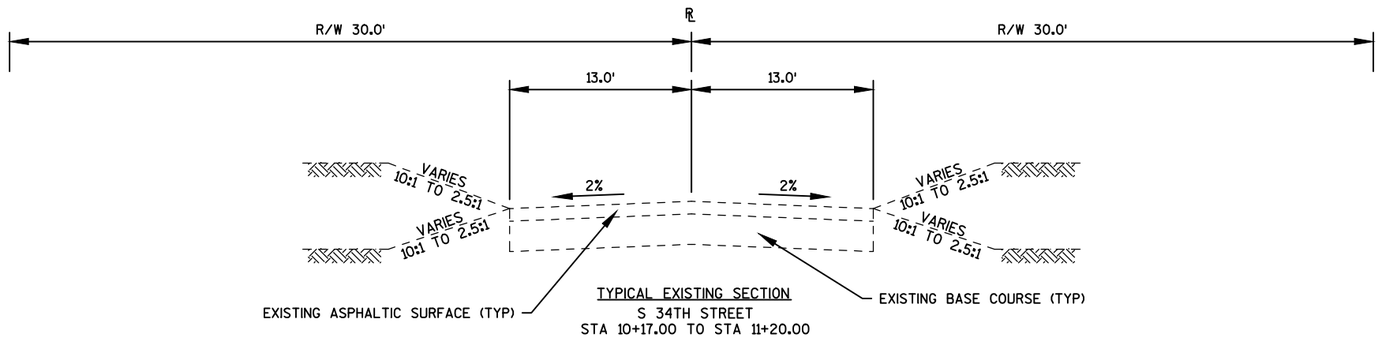


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S 35TH STREET
STA 10+17.00 TO STA 12+74.80

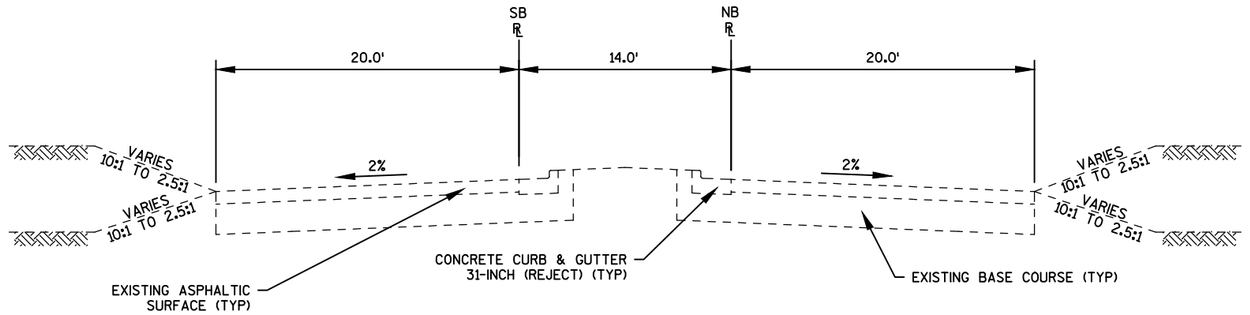


TYPICAL EXISTING SECTION
S HIDDEN DRIVE (PRIVATE DRIVE)
STA 8+90.00 TO STA 9+83.00

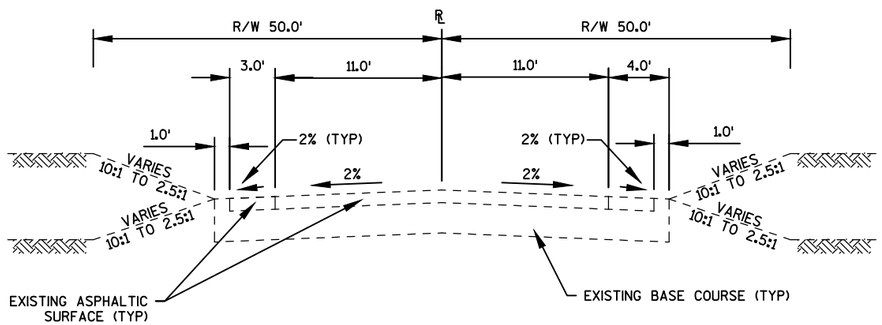
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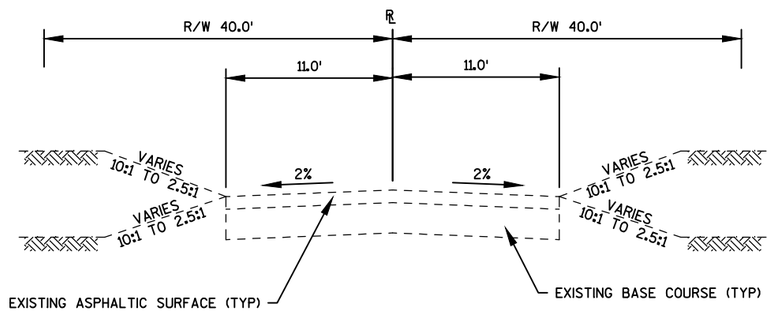
TYPICAL EXISTING SECTION
S 34TH STREET
STA 10+17.00 TO STA 11+20.00



TYPICAL EXISTING SECTION
S TUCKAWAY BLVD (PRIVATE DRIVE)
STA 7+96.74 TO STA 9+83.00 (SB)
STA 7+98.00 TO STA 9+83.00 (NB)

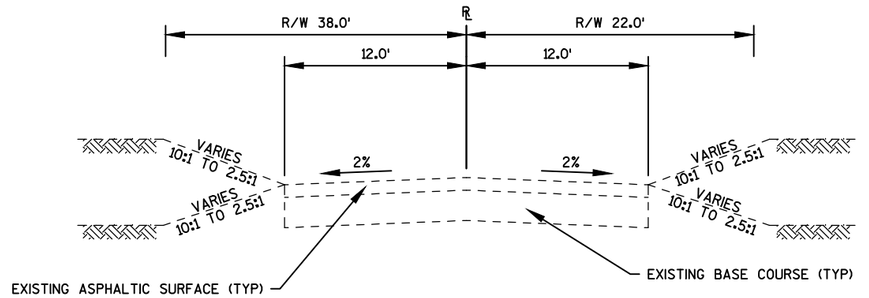


TYPICAL EXISTING SECTION
S 31ST STREET (SOUTH)
STA 9+33.00 TO STA 9+83.00

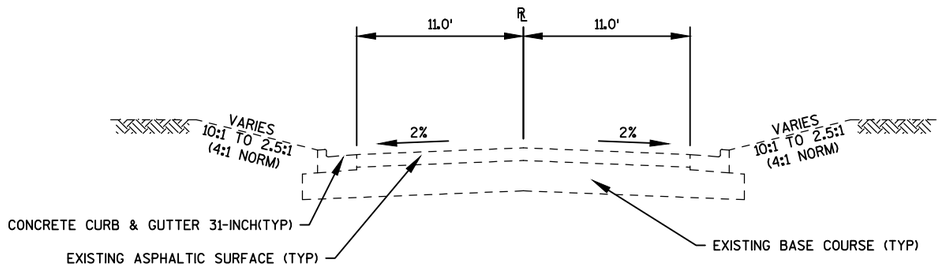


TYPICAL EXISTING SECTION
S 31ST STREET (NORTH)
STA 10+17.00 TO STA 11+60.00

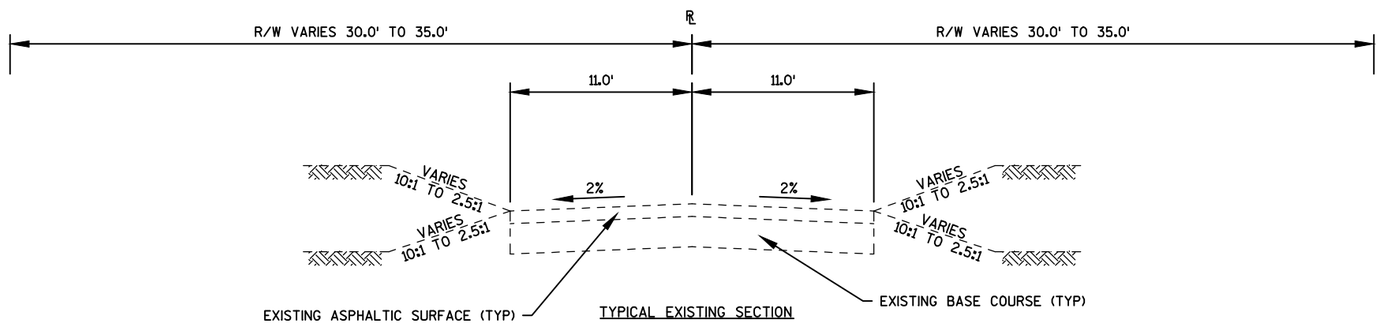
PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TYPICAL EXISTING SECTION	SHEET 8	E



TYPICAL EXISTING SECTION
S TUCKAWAY DRIVE
STA 8+85.00 TO STA 9+72.00



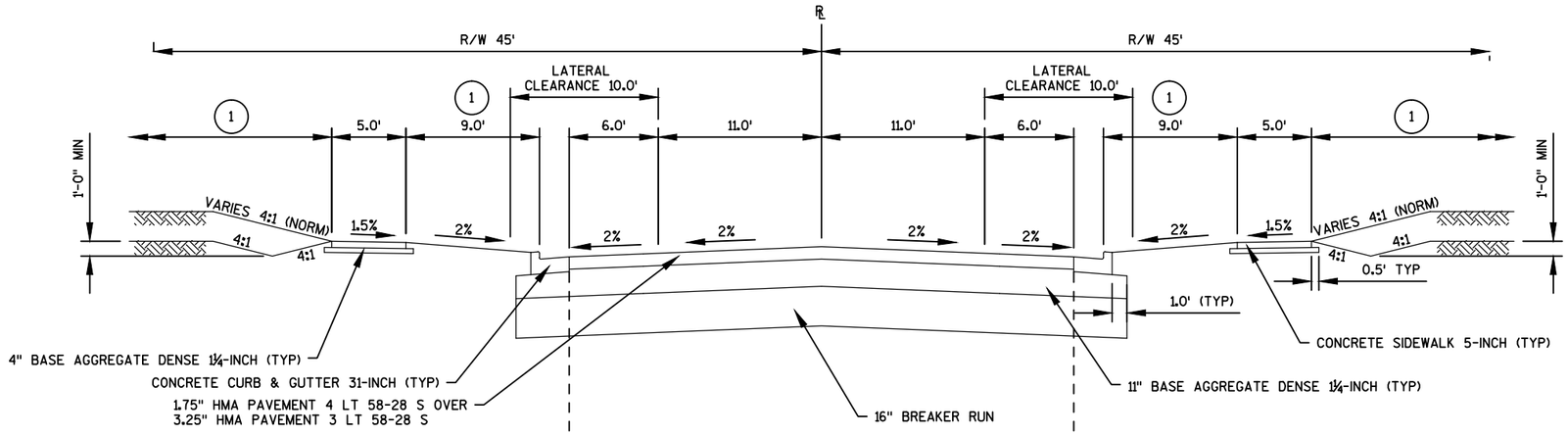
TYPICAL EXISTING SECTION
S FD DRIVE (PRIVATE DRIVE)
STA 5+17.00 TO STA 5+54.73

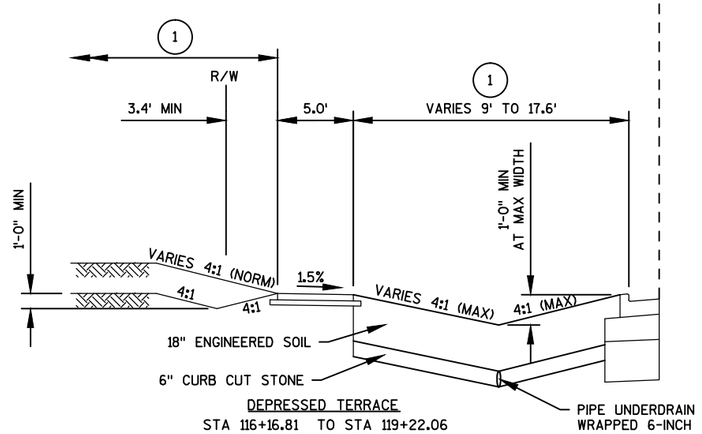


TYPICAL EXISTING SECTION
S 30TH STREET
STA 9+33.00 TO STA 9+83.00
STA 10+17.00 TO STA 10+90.00

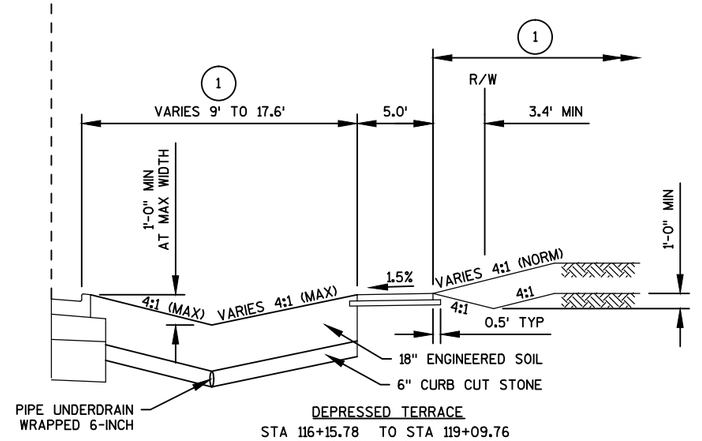
PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TYPICAL EXISTING SECTION	SHEET 9	E

(1) 6-INCH TOPSOIL, SEEDING MIXTURE #40 AND FERTILIZER TYPE B REQUIRED.



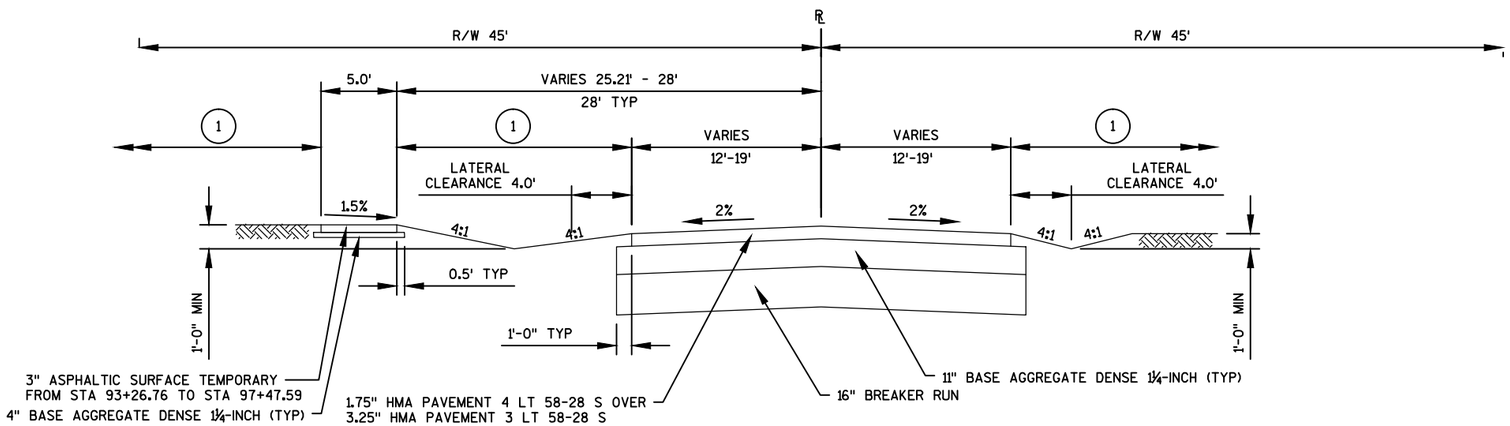


DEPRESSED TERRACE
STA 116+16.81 TO STA 119+22.06
STA 131+49.85 TO STA 133+62.61
STA 147+97.33 TO STA 152+88.63



DEPRESSED TERRACE
STA 116+15.78 TO STA 119+09.76
STA 147+97.96 TO STA 152+88.66

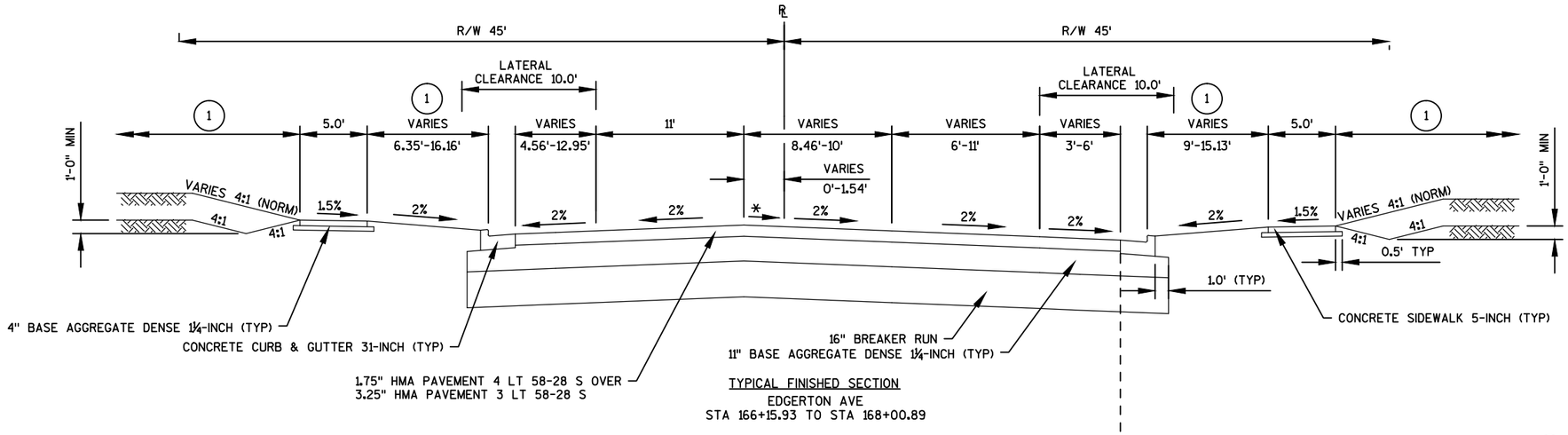
TYPICAL FINISHED SECTION
EDGERTON AVE
STA 97+47.59 TO STA 166+15.93



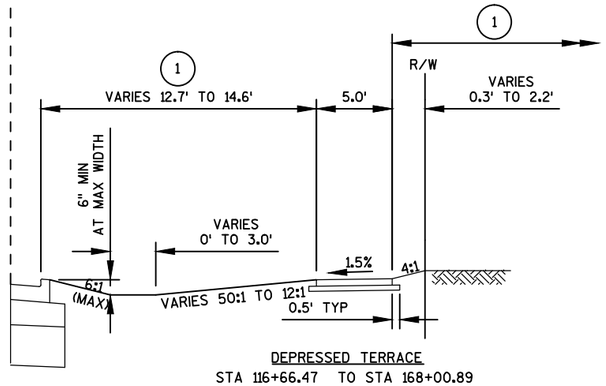
TYPICAL FINISHED SECTION
EDGERTON AVE
STA 95+97.59 TO STA 97+47.59

PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TYPICAL FINISHED SECTION	SHEET 10	E

(1) 6-INCH TOPSOIL, SEEDING MIXTURE *40 AND FERTILIZER TYPE B REQUIRED.



TYPICAL FINISHED SECTION
EDGERTON AVE
STA 166+15.93 TO STA 168+00.89



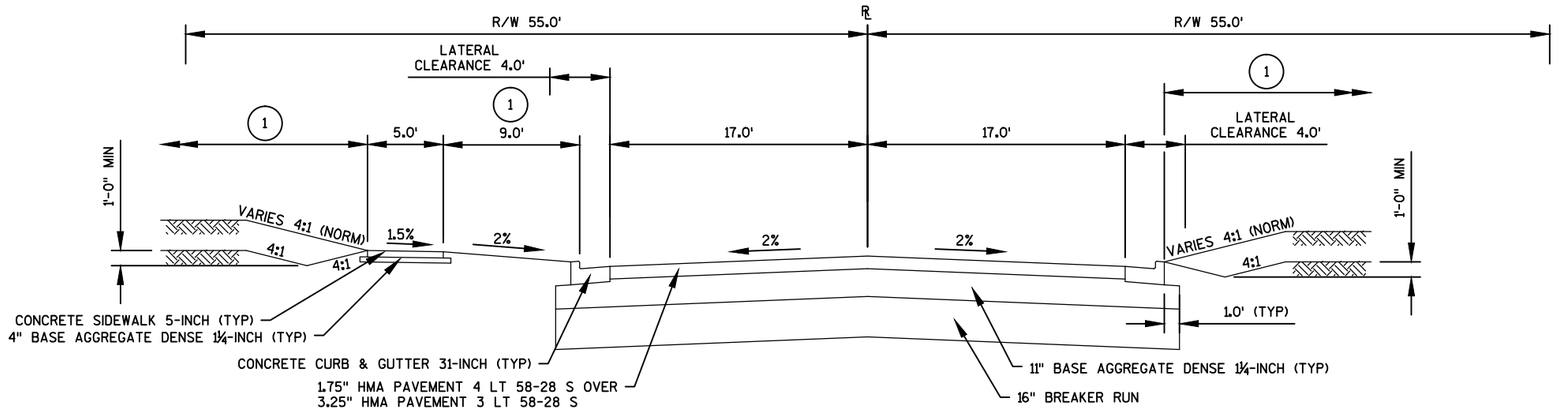
DEPRESSED TERRACE
STA 116+66.47 TO STA 168+00.89

* ADJUST CROWN CROSS SLOPE TO MATCH EXISTING.

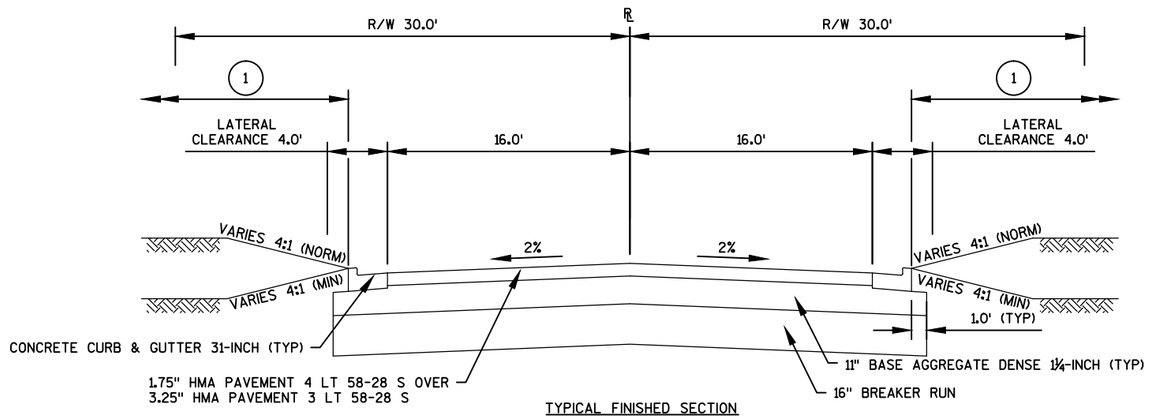
PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TYPICAL FINISHED SECTION	SHEET 11	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\020302_TS.DWG
EDGERTON AVE 2980-00-00 - 020302_TS - 020302_TS 1 IN 10 FT
PLOT DATE : 12/13/2016 3:39 PM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" = 10'_XREF

(1) 6-INCH TOPSOIL, SEEDING MIXTURE #40 AND FERTILIZER TYPE B REQUIRED.



TYPICAL FINISHED SECTION
S 43TH STREET
STA 125+30.75 TO STA 126+23.74
STA 126+57.75 TO STA 127+87.23

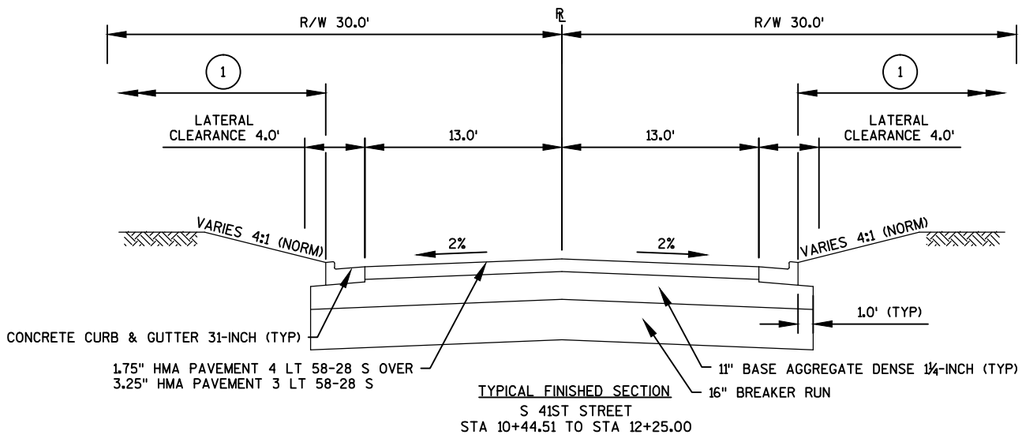


TYPICAL FINISHED SECTION
S 48TH STREET
STA 8+75.00 TO STA 9+55.44

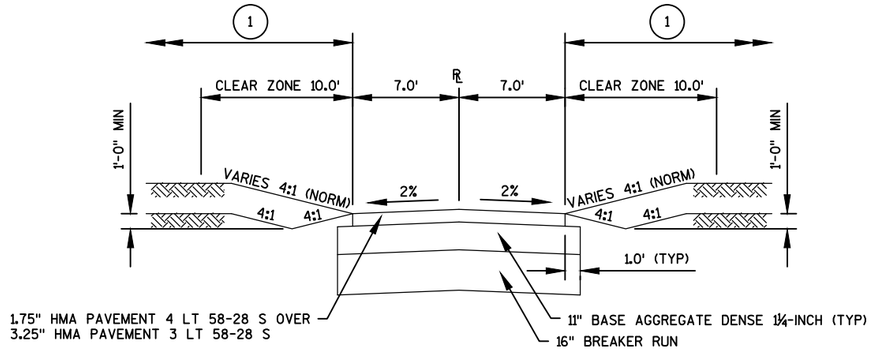
PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TYPICAL FINISHED SECTION	SHEET 12	E

2

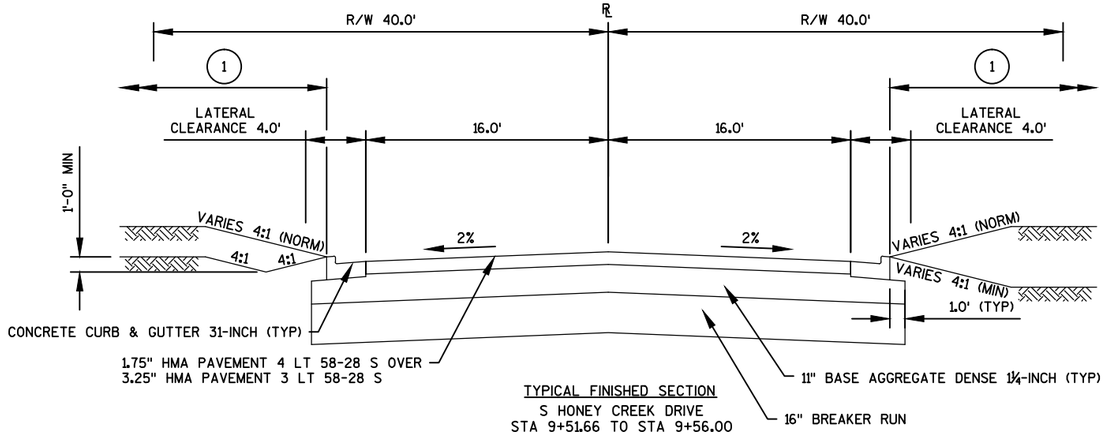
(1) 6-INCH TOPSOIL, SEEDING MIXTURE #40 AND FERTILIZER TYPE B REQUIRED.



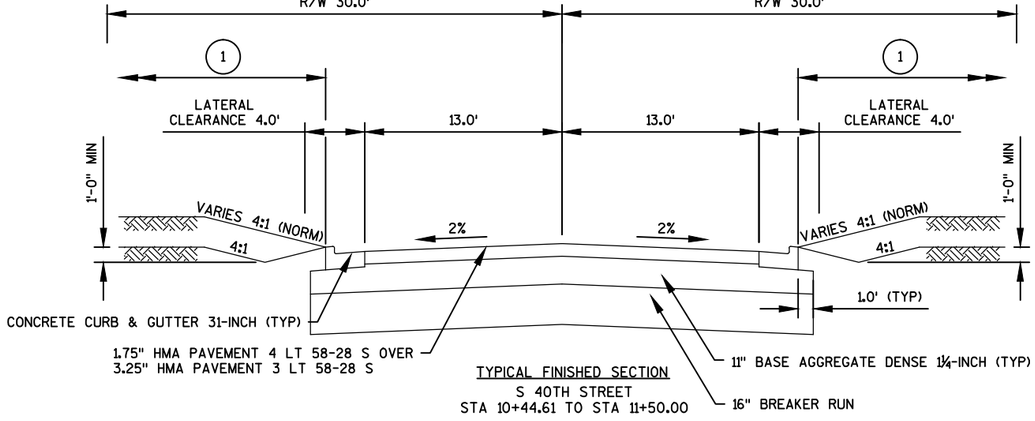
TYPICAL FINISHED SECTION
S 41ST STREET
STA 10+44.51 TO STA 12+25.00



TYPICAL FINISHED SECTION
S MALLARD CIRCLE (PRIVATE DRIVE)
STA 9+42.00 TO STA 9+55.99

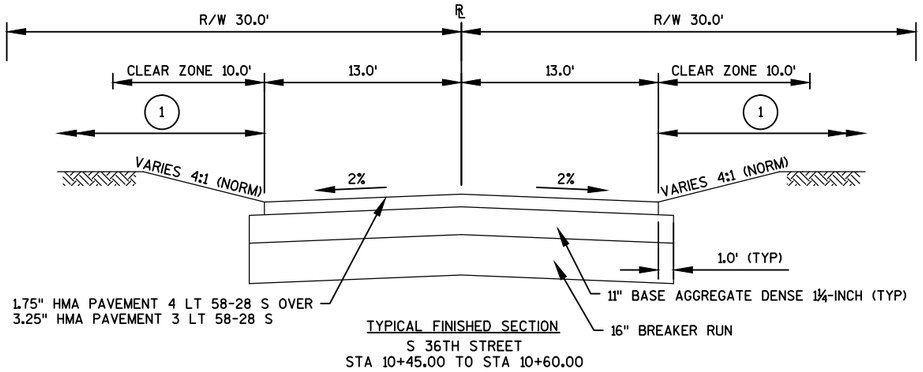


TYPICAL FINISHED SECTION
S HONEY CREEK DRIVE
STA 9+51.66 TO STA 9+56.00

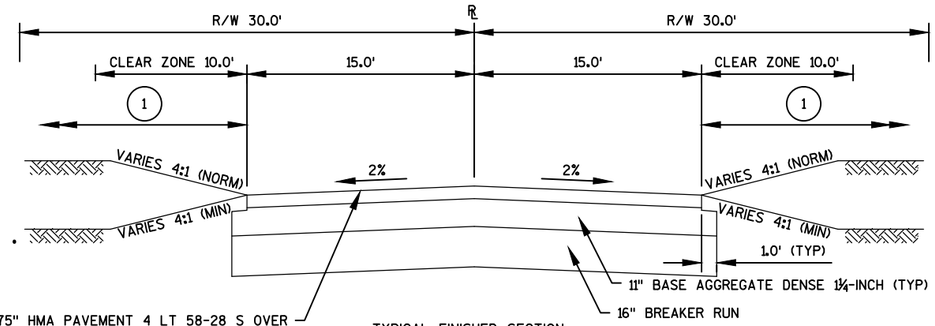


TYPICAL FINISHED SECTION
S 40TH STREET
STA 10+44.61 TO STA 11+50.00

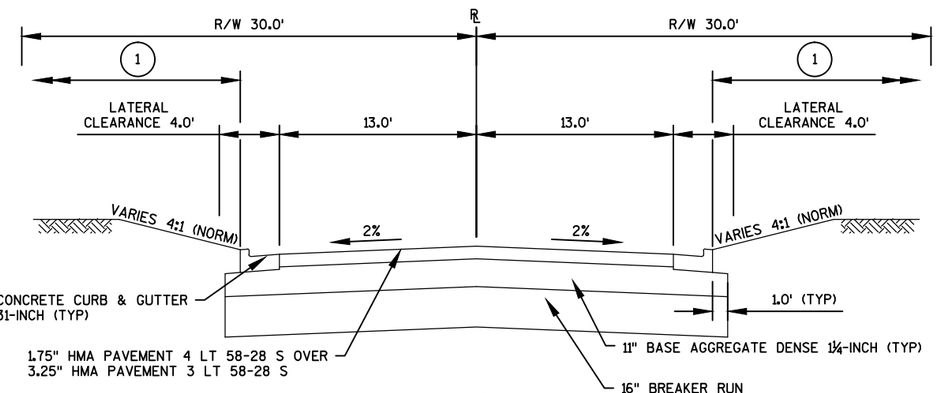
PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TYPICAL FINISHED SECTION	SHEET 13	E



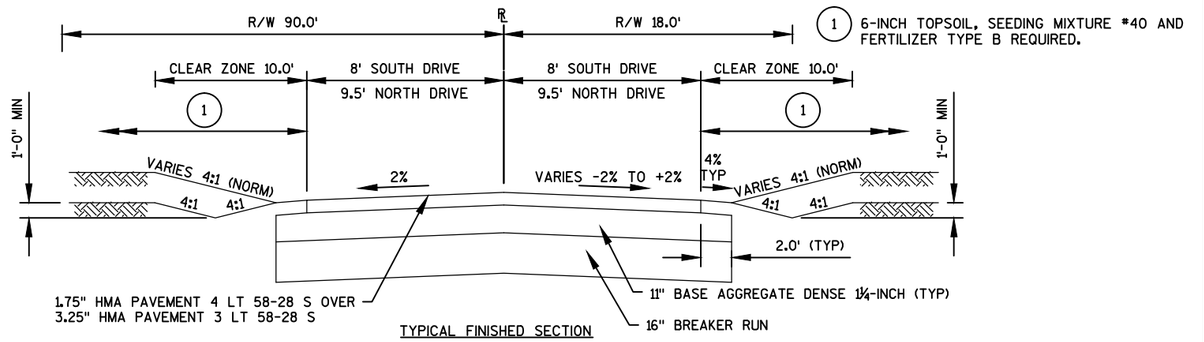
TYPICAL FINISHED SECTION
S 36TH STREET
STA 10+45.00 TO STA 10+60.00



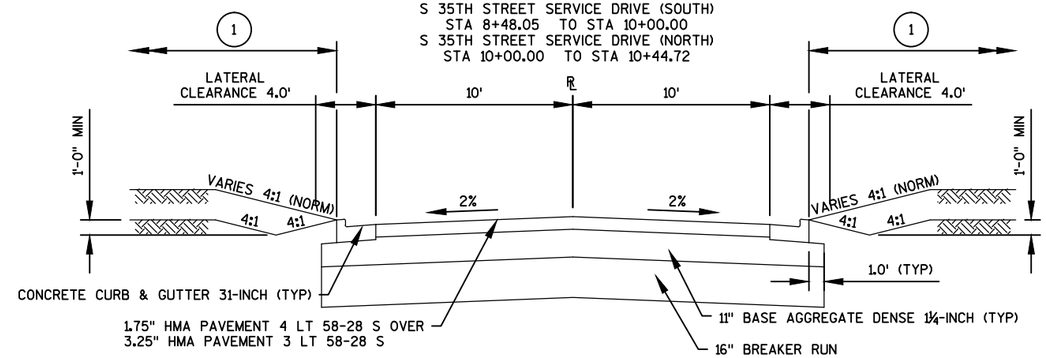
TYPICAL FINISHED SECTION
S 37TH STREET - SOUTH
STA 8+83.00 TO STA 9+55.92



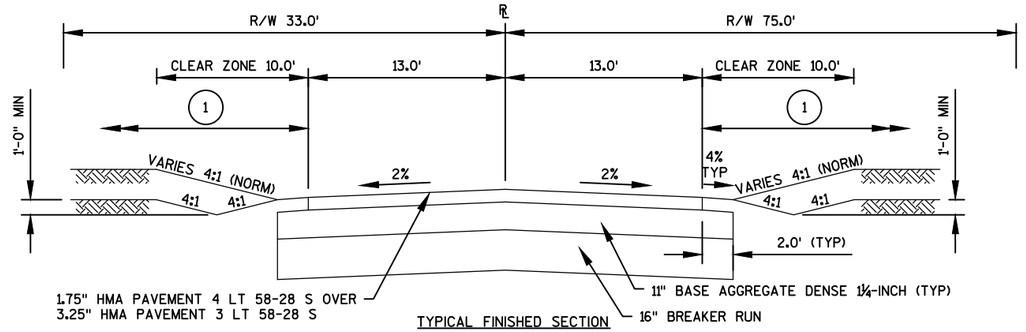
TYPICAL FINISHED SECTION
S 37TH STREET - NORTH
STA 10+44.58 TO STA 11+10.00



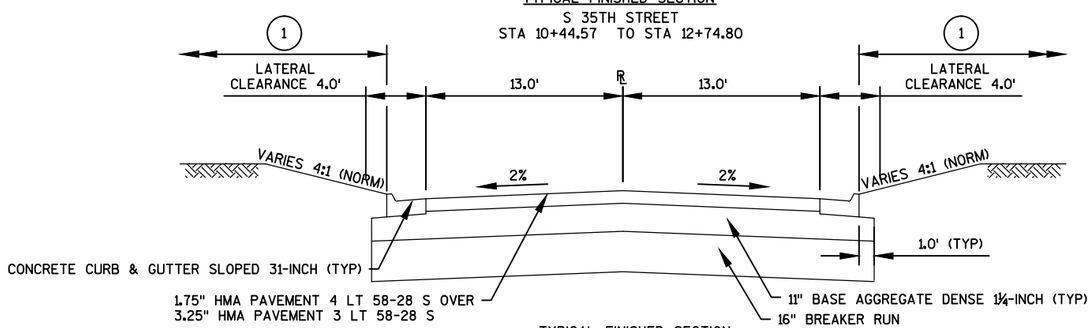
TYPICAL FINISHED SECTION
S 35TH STREET SERVICE DRIVE (SOUTH)
STA 8+48.05 TO STA 10+00.00
S 35TH STREET SERVICE DRIVE (NORTH)
STA 10+00.00 TO STA 10+44.72



TYPICAL FINISHED SECTION
S 35TH STREET BREED
STA 10+00.00 TO STA 10+54.57

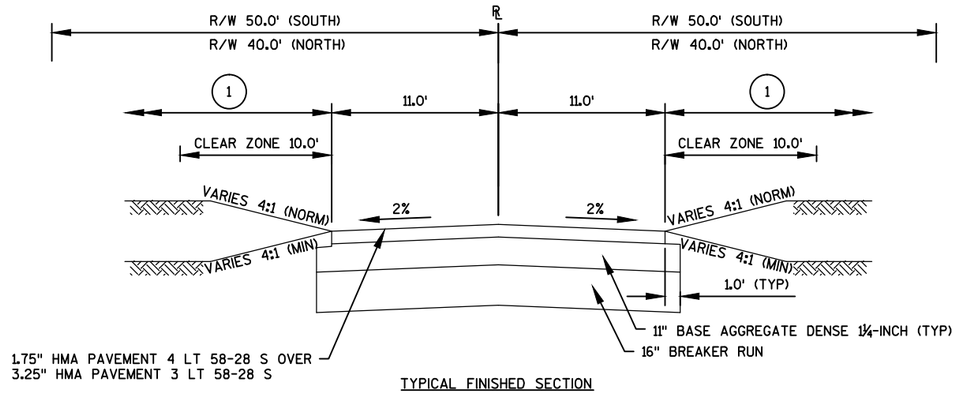


TYPICAL FINISHED SECTION
S 35TH STREET
STA 10+44.57 TO STA 12+74.80

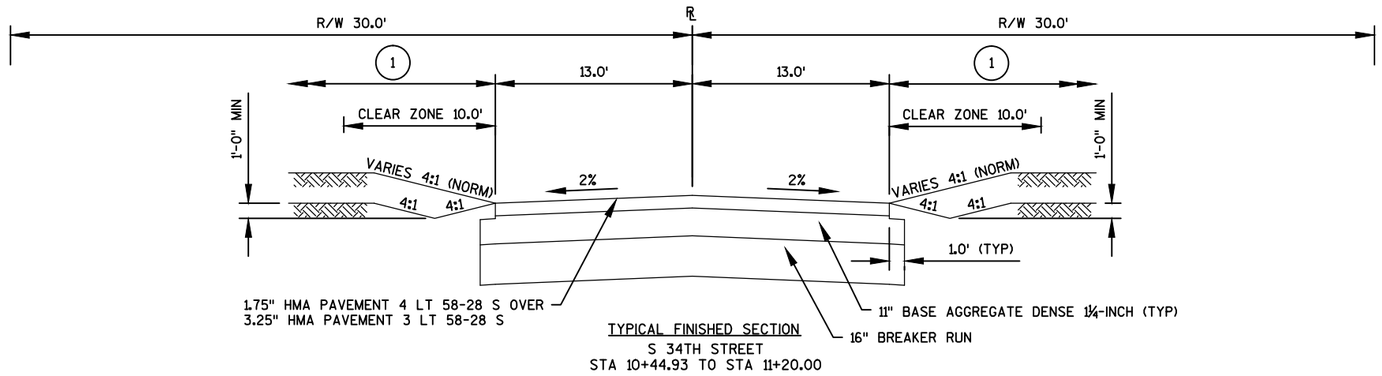


TYPICAL FINISHED SECTION
S HIDDEN DRIVE (PRIVATE DRIVE)
STA 8+90.00 TO STA 9+55.29

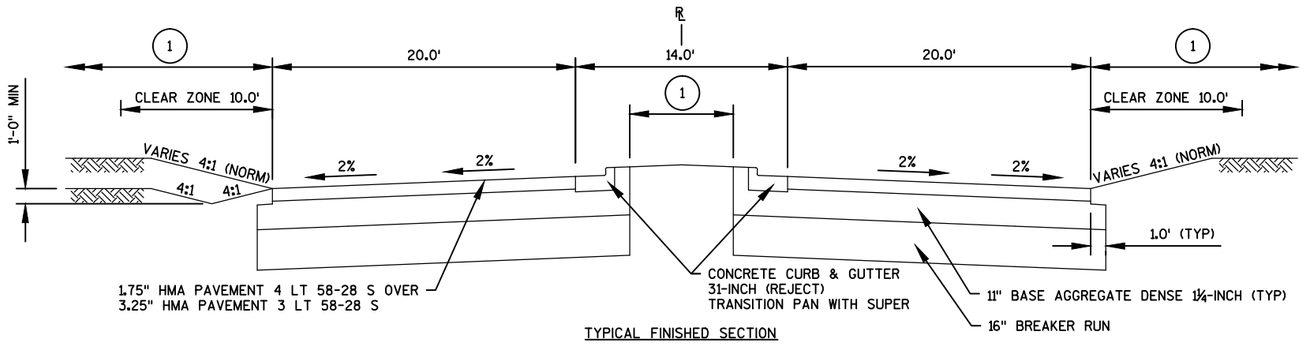
PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TYPICAL FINISHED SECTION	SHEET 14	E



TYPICAL FINISHED SECTION
S 31ST STREET
STA 9+33.00 TO STA 9+55.37 (SOUTH)
STA 10+46.76 TO STA 11+60.00 (NORTH)



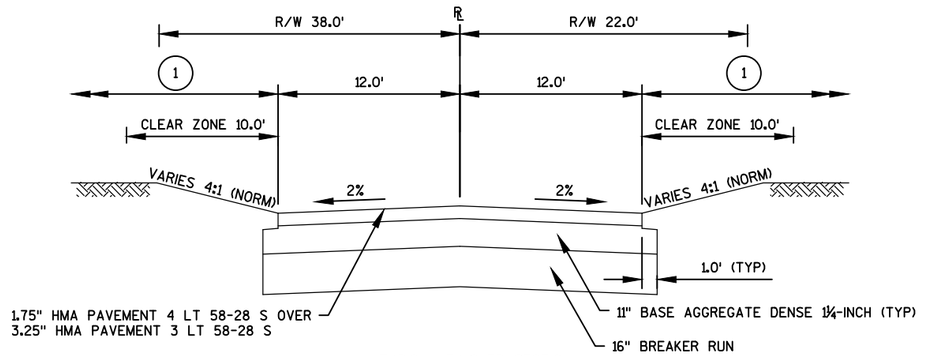
TYPICAL FINISHED SECTION
S 34TH STREET
STA 10+44.93 TO STA 11+20.00



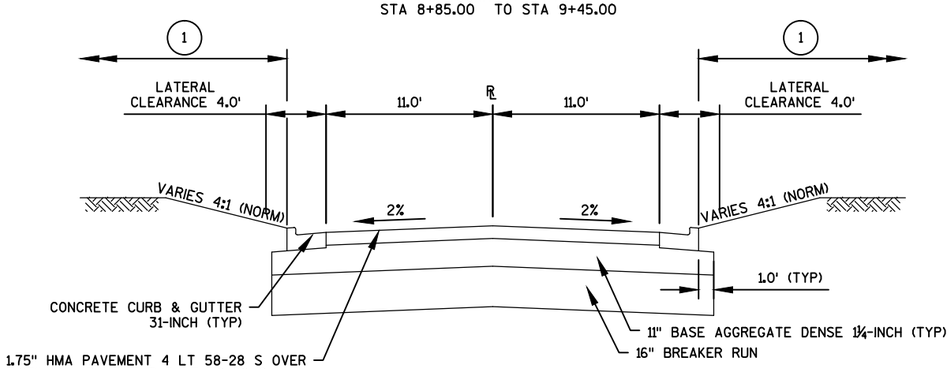
TYPICAL FINISHED SECTION
S TUCKAWAY BLVD
STA 7+96.74 TO STA 9+39.09 (SB)
STA 7+98.00 TO STA 9+38.82 (NB)

(1) 6-INCH TOPSOIL, SEEDING MIXTURE #40 AND FERTILIZER TYPE B REQUIRED.

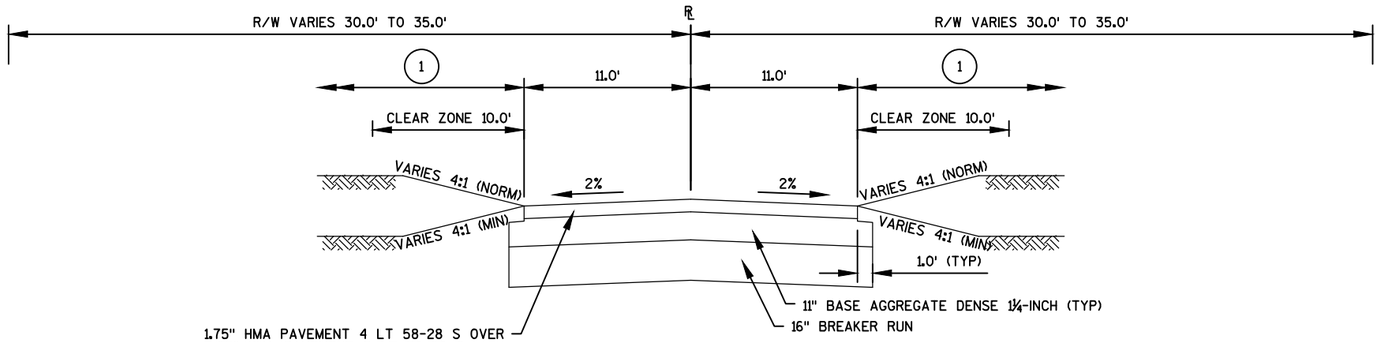
(1) 6-INCH TOPSOIL, SEEDING MIXTURE #40 AND FERTILIZER TYPE B REQUIRED.



TYPICAL FINISHED SECTION
S TUCKAWAY DRIVE
STA 8+85.00 TO STA 9+45.00



TYPICAL FINISHED SECTION
S FD DRIVE (PRIVATE DRIVE)
STA 5+44.01 TO STA 5+54.73



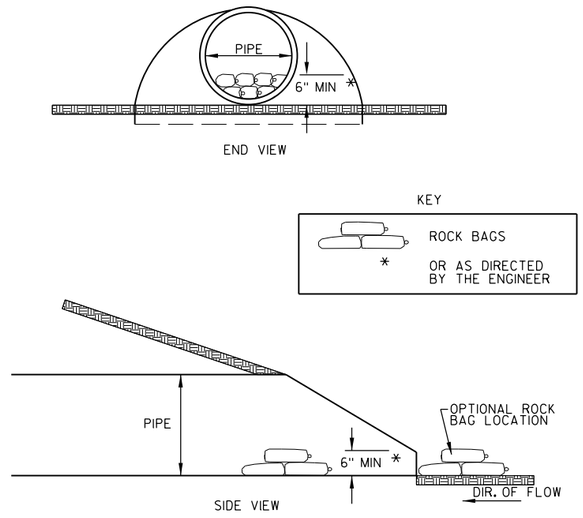
TYPICAL FINISHED SECTION
S 30TH STREET
STA 9+33.00 TO STA 9+55.36
STA 10+46.35 TO STA 10+90.00

PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TYPICAL FINISHED SECTION	SHEET 16	E

2

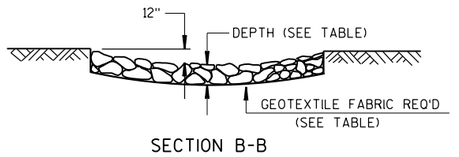
CONSTRUCTION PERMITS

PERMIT NUMBER	PROPERTY ADDRESS	OWNER NAME	TAX KEY NUMBER
A	4820 W. Edgerton Avenue	Lyn G. & Doyne K. LaVerdue	6209950007
B	4810 W. Edgerton Avenue	Nicholas A. & Amber R. Marasco	6209950008
C	4717 W. Edgerton Avenue	Joseph T. Cauwels	6479985001
D	4707 W. Edgerton Avenue	Sally D. & Robert A. Soderland	6479985002
E	4620 W. Edgerton Avenue	Gary E. & Susan Curtis	6209921
F	4601 W. Edgerton Avenue	Thomas A. & Anita L. Olszewski	6479989001
G	4515 W. Edgerton Avenue	Margaret A. Erhart	6479992001
H	4441 W. Edgerton Avenue	David A. & Mary Kelly	6479993001
I	4345 W. Edgerton Avenue	Terrence E. Purvis	6479994001
J	4325 W. Edgerton Avenue	Brian C. & Jennifer J. Schulenburg	6479999002
K	4320 W. Edgerton Avenue	Syed G. Mohiuddin & Hajira Yasmeen	6209914001
L	5110 S. Honey Creek Drive	Milind & Lisa M. [Johnston] Gaikwad	6469975
M	4100 W. Edgerton Avenue	Edward (III) & Edward (IV) Jetty	6219920001
N	5131 S. Mallard Circle	Rick & Deanna L. Kolosso	6469983
O	3700 W. Edgerton Avenue	Terrance A. Van Gorder & Lory A. Bresina	6219890002
P	3625 W. Edgerton Avenue	Richard D. & Lisa M. Mueller	6469995
Q	5074 S. 35th Street	Theresa Pham	6220084
R	5084 S. 35th Street	Robert P. & Ruth M. Bauer	6220083
S	3350 W. Edgerton Avenue	Alice A. Banks	6220096
T	3344 W. Edgerton Avenue	Mark A. & Kristy A. Gray	6220097
U	3324 W. Edgerton Avenue	Mary Margaret Pike	6220098
V	3230 W. Edgerton Avenue	Donald & Darleen S. Hofer	6220100
W	3124 W. Edgerton Avenue	David A. & Rhoda L. Giddens	6220103
X	5104 S. 31st Street	Wendy A. Cheever	6450075
Y	3020 W. Edgerton Avenue	Wayne A. Timm	6220154
Z	3015 W. Edgerton Avenue	Sharon L. Vicker	6450068
AA	3010 W. Edgerton Avenue	Hieu Thi Nguyen	6220155
BB	2915 W. Edgerton Avenue	Joseph H. & Judith Anne Pope Joint Revocable Trust	6450065
CC	2900 W. Edgerton Avenue	Ronnie & Karen M. Buchmann	6220145
DD	2804 W. Edgerton Avenue	Orrin W. & Terri L. Scott	6220147
EE	5105 S. 27th Street	Knur Patel Property LLC	6450058
FF	5101 S. 27th Street	Old National Bank	6459992



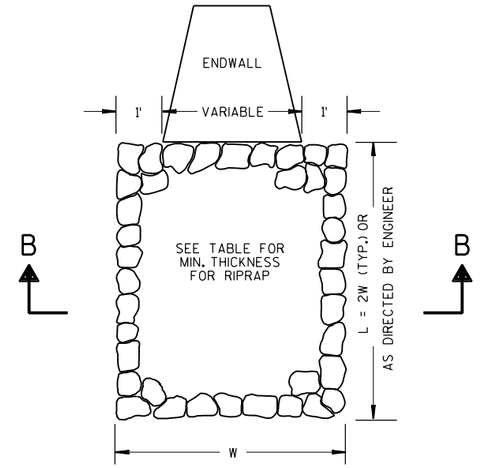
CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

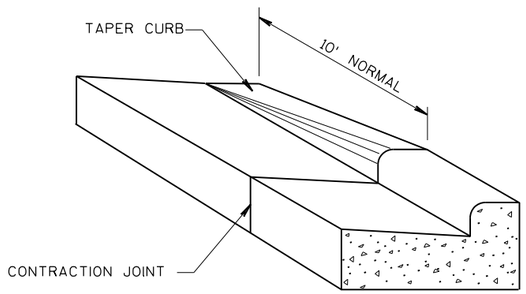


SECTION B-B

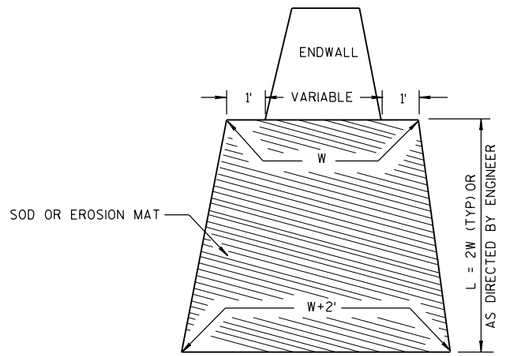
RIPRAP	GEOTEXTILE FABRIC TYPE	DEPTH
LIGHT	R	12"
HEAVY	HR	18"



RIPRAP TREATMENT AT CULVERTS



DETAIL OF CURB & GUTTER TERMINI



SOD OR EROSION MAT TREATMENT AT CULVERTS

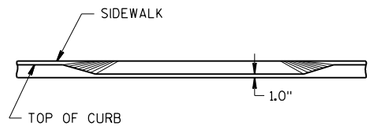
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NOTES:

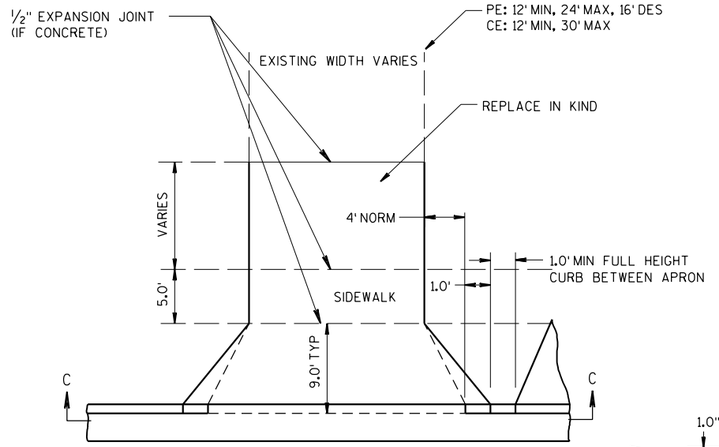
DRIVEWAY APRONS BEHIND CURB SHALL BE CONCRETE.

ALL OTHER DRIVEWAY SURFACES TO BE SAME AS EXISTING.

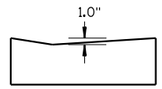
ASPHALT - 3" ASPHALTIC SURFACE DRIVEWAYS
AND FIELD ENTRANCES OVER
6" BASE AGGREGATE DENSE 1 1/4-INCH
CONCRETE - 7" CONCRETE DRIVEWAY OVER
6" BASE AGGREGATE DENSE 1 1/4-INCH
GRAVEL - 6" BASE AGGREGATE DENSE 3/4-INCH



SECTION C-C

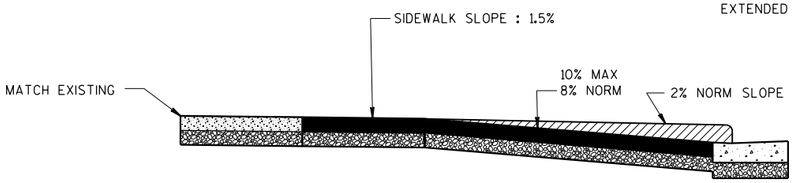


PLAN VIEW



CONCRETE GUTTER
DETAIL AT DRIVEWAYS

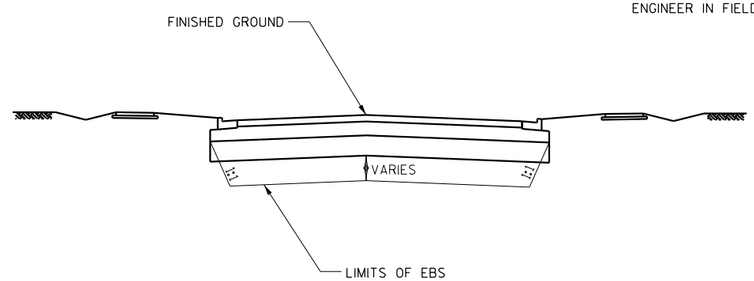
NOTE:
MAX 14% ALGEBRAIC DIFFERENCE
BETWEEN TANGENT GRADES
EXTENDED IN FILLS



PROFILE VIEW

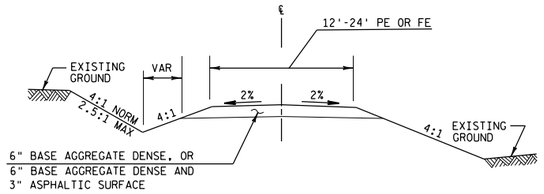
URBAN DRIVEWAY DETAIL

NOTE:
LIMITS TO BE DETERMINED BY
ENGINEER IN FIELD.

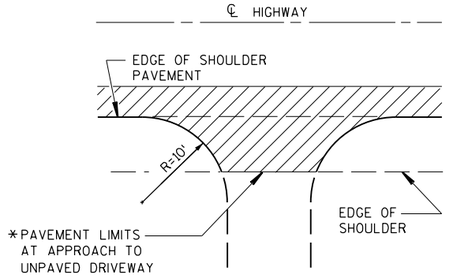


CROSS SECTION

EXCAVATION BELOW SUBGRADE (EBS)

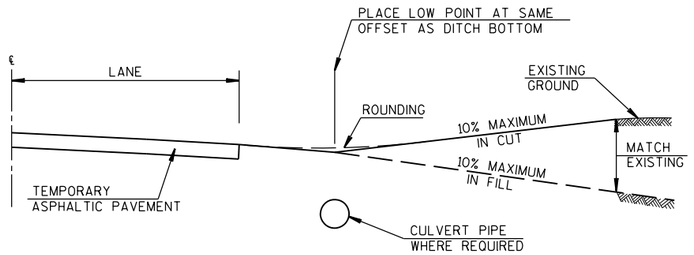


TYPICAL CROSS SECTION



*WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHALL BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

PLAN VIEW



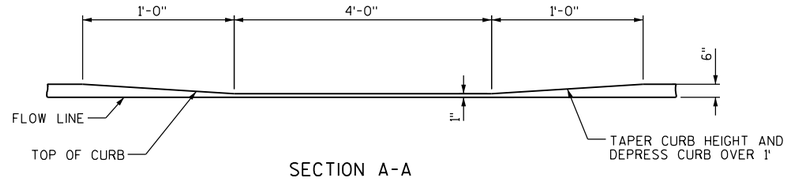
PROFILE VIEW

RURAL DRIVEWAY DETAIL

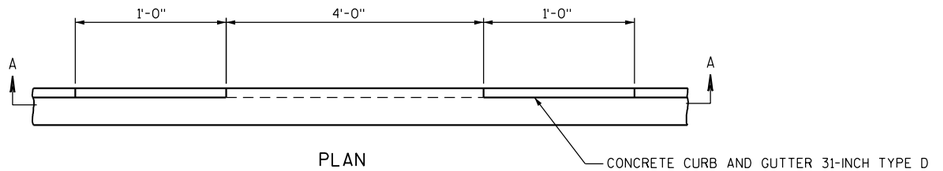
AT TEMPORARY DRIVES

NOTE:

REMOVING CURB HEAD IS INCIDENTAL TO BID ITEM CONCRETE CURB AND GUTTER 31-INCH TYPE D.



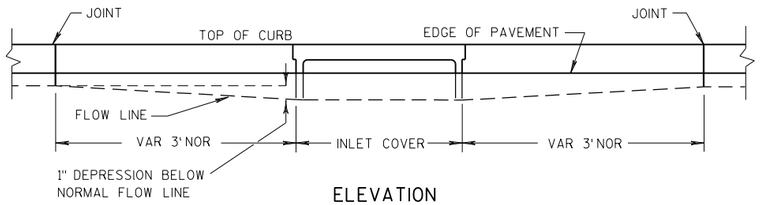
SECTION A-A



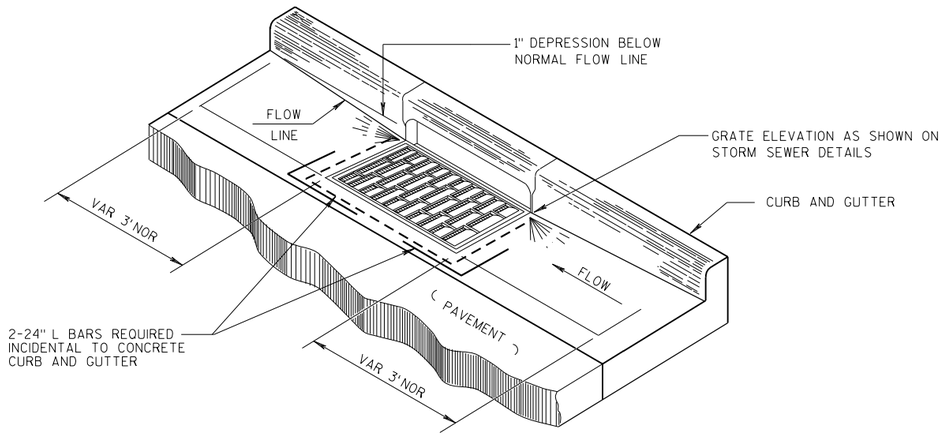
PLAN

REMOVING CURB HEAD DETAIL

STA 117+50 (LT & RT)
STA 118+00 (LT & RT)
STA 118+50 (LT & RT)
STA 133+00 (LT)
STA 133+50 (LT)
STA 150+00 (LT & RT)
STA 150+50 (LT & RT)
STA 151+00 (LT & RT)

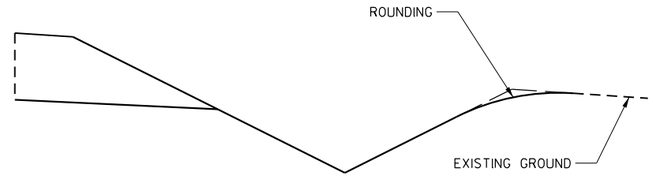


ELEVATION

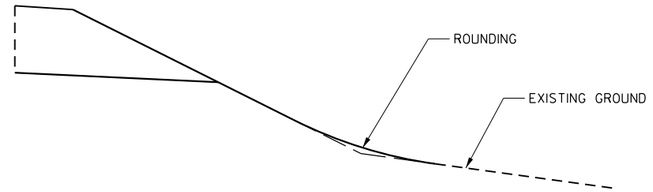


CURB AND GUTTER AT DEPRESSED INLETS

SEE STORM SEWER PLANS FOR LOCATIONS



IN CUT



IN FILL

SLOPE ROUNDING DETAIL

2

N

CURB RAMP TYPE 7B

STA 97+59.59,-33.00'
EL 770.104
8.33%

STA 97+64.59,-33.00'
EL 770.036
8.33%

STA 97+57.00,-33.00'
EL 770.658

STA 97+66.46,-33.00'
EL 770.530

STA 97+57.00,-28.00'
EL 770.583

STA 97+66.46,-28.00'
EL 770.455

STA 97+59.59,-28.00'
EL 770.029

STA 97+64.59,-28.00'
EL 769.961

STA 97+59.59,-19.58'
EL 769.903

STA 97+64.59,-19.58'
EL 769.835

1.50%

STA 97+57.00,-19.58'
EL 770.415

STA 97+57.00,-17.00'
EL 769.995

STA 97+59.59,-17.00'
EL 769.960

STA 97+66.46,-19.58'
EL 770.287

STA 97+66.46,-17.00'
EL 769.867

STA 97+64.59,-17.00'
EL 769.892

R/L W EDGERTON AVE

EP: 10+00.00

98+00

W EDGERTON AVE

STA 97+60.06,20.05'
EL 769.364

STA 97+58.42,19.27'
EL 769.472

STA 97+57.38,21.63'
EL 769.892

STA 97+63.83, 25.76'
EL 769.264

1.50%

STA 97+65.54, 23.83'
EL 769.321

1.47%

STA 97+66.80,25.03'
EL 769.295

STA 97+64.97,26.85'
EL 769.488

STA 97+58.87,22.34'
EL 769.429
1.00%

STA 97+58.83,25.66'
EL 769.395
1.00%

STA 97+58.80,28.00'
EL 769.372

STA 97+67.99,26.31'
EL 769.269

STA 97+66.04,28.00'
EL 769.212

3.80%

STA 97+63.80,28.00'
EL 769.297

STA 97+58.73,33.00'
EL 769.397

STA 97+71.69,31.84'
EL 769.168

STA 97+72.46,33.50'
EL 769.118

STA 97+63.73,33.00'
EL 769.322
7.00%

STA 97+66.04,33.00'
EL 769.161
1.50%

STA 97+69.39,33.00'
EL 769.111

STA 97+70.08,34.50'
EL 769.538

1.50%
0.50%
1.50%
0.50%
1.50%

CURB RAMP TYPE 2
FLANGE RADIUS = 27'

S 48TH ST

R/L S 48TH ST

STA 98+16.56,26.50'
EL 769.333

STA 98+14.76,24.65'
EL 768.902

STA 98+15.15,28.00'
EL 768.845

STA 98+13.25,26.34'
EL 768.869

0.50%

STA 98+09.59,31.91'
EL 768.859

STA 98+08.73,33.49'
EL 768.807

STA 98+21.13,28.00'
EL 769.207

6.03%

STA 98+33.60,28.00'
EL 769.319

0.90%

0.90%

STA 98+33.60,33.00'
EL 769.394

1.50%
1.50%

STA 98+21.15,33.00'
EL 769.282

7.00%

STA 98+15.14,33.00'
EL 768.862

1.50%

STA 98+11.79,33.00'
EL 768.812

STA 98+11.10,34.50'
EL 769.821

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/48TH STREET CURB RAMPS	SHEET 22	E

CURB RAMP TYPE 2
FLANGE RADIUS = 27'

STA 115+51.13,-33.00'
EL 765.509
1.50%
STA 115+47.78,-33.00'
EL 765.558
7.00%
STA 115+45.16,-33.00'
EL 765.742
STA 115+40.16,-33.00'
EL 765.817
STA 115+22.24,-33.00'
EL 767.072
7.00%
1.50%
0.80%
0.80%
STA 115+51.82,-34.48'
EL 765.907
STA 115+54.19,-33.47'
EL 765.487
STA 115+53.44,-31.84'
EL 765.566
1.50%
STA 115+47.78,-28.00'
EL 765.610
STA 115+49.73,-26.31'
EL 765.667
4.47%
STA 115+46.51,-26.64'
EL 765.868
STA 115+48.32,-24.81'
EL 765.698
1.16%
STA 115+45.16,-25.41'
EL 765.671
1.50%
STA 115+46.84,-23.44'
EL 765.728
6.68%
1.50%
STA 115+22.24,-28.00'
EL 766.997
STA 115+40.16,-28.00'
EL 765.800
0.50%
STA 115+40.16,-25.42'
EL 765.787
0.50%
STA 115+38.66,-21.43'
EL 766.332
STA 115+40.16,-22.11'
EL 765.771
STA 115+39.65,-19.05'
EL 765.902
STA 115+41.31,-19.80'
EL 765.828

S 43RD ST

CURB RAMP TYPE 2
FLANGE RADIUS = 27'

STA 115+98.85,-33.00'
EL 765.326
7.00%
STA 116+01.13,-33.00'
EL 765.486
STA 116+18.42,-33.13'
EL 765.422
STA 115+94.80,-34.49'
EL 765.705
STA 115+95.49,-33.00'
EL 765.276
STA 115+92.43,-33.48'
EL 765.285
STA 115+93.19,-31.84'
EL 765.333
1.50%
STA 116+06.13,-33.00'
EL 765.561
1.50%
0.48%
0.48%
1.50%
7.00%
1.50%
5.62%
STA 115+98.85,-28.00'
EL 765.376
STA 115+96.95,-26.34'
EL 765.433
STA 116+06.13,-28.00'
EL 765.611
1.38%
STA 116+06.13,-25.69'
EL 765.579
1.38%
STA 116+19.23,-28.20'
EL 765.347
7.00%
STA 115+99.94,-26.82'
EL 765.630
STA 115+98.11,-25.00'
EL 765.460
STA 116+01.13,-28.00'
EL 765.536
4.59%
STA 115+99.46,-23.81'
EL 765.483
STA 116+01.13,-25.69'
EL 765.430
1.50%
STA 116+07.63,-21.57'
EL 765.058
STA 116+06.13,-22.28'
EL 765.532
STA 116+06.61,-19.20'
EL 765.638
STA 116+04.95,-19.98'
EL 765.589

N

115+00

116+00

W EDGERTON AVE

R/L W EDGERTON AVE

R/L S 43RD ST

126+00

CURB RAMP TYPE 2
FLANGE RADIUS = 27'

STA 115+40.25,20.03'
EL 766.192
STA 115+38.63,19.20'
EL 766.219
STA 115+39.11,22.27'
EL 766.135
STA 115+37.61,21.57'
EL 766.639
1.45%
STA 115+44.11,25.68'
EL 766.037
STA 115+45.82,23.74'
EL 765.585
0.65%
STA 115+39.11,25.68'
EL 766.113
0.60%
STA 115+47.25,25.10'
EL 766.065
STA 115+45.40,26.90'
EL 765.235
0.65%
STA 115+39.11,28.00'
EL 766.098
STA 115+48.36,26.31'
EL 766.041
STA 115+24.59,28.00'
EL 766.975
7.00%
1.50%
1.50%
1.50%
STA 115+46.41,28.00'
EL 765.984
1.69%
1.45%
STA 115+24.59,33.00'
EL 767.050
1.50%
7.00%
1.50%
STA 115+52.07,31.84'
EL 765.943
STA 115+39.11,33.00'
EL 766.173
STA 115+52.85,33.52'
EL 765.916
STA 115+44.11,28.00'
EL 766.023
STA 115+49.77,33.00'
EL 765.886
STA 115+44.11,33.00'
EL 766.089
STA 115+50.46,34.50'
EL 766.336
7.00%
STA 115+46.42,33.00'
EL 765.936
1.50%

CURB RAMP TYPE 2
FLANGE RADIUS = 27'

STA 116+04.00,19.82'
EL 765.900
STA 116+00.15,25.44'
EL 765.810
STA 116+05.66,19.07'
EL 765.909
STA 115+98.48,23.48'
EL 765.867
STA 116+05.15,22.13'
EL 765.843
4.88%
STA 116+06.65,21.45'
EL 766.329
STA 116+00.15,28.00'
EL 765.790
0.50%
STA 115+98.82,26.66'
EL 766.027
STA 115+97.01,24.83'
EL 765.857
1.50%
STA 116+05.17,25.44'
EL 765.893
5.62%
3.67%
STA 115+95.68,26.34'
EL 765.841
STA 116+05.15,28.00'
EL 765.987
STA 115+97.57,28.00'
EL 765.790
STA 116+10.83,28.00'
EL 766.385
0.50%
1.50%
7.00%
STA 115+91.91,31.84'
EL 765.813
1.50%
1.50%
1.50%
STA 115+94.22,33.00'
EL 765.756
1.50%
7.00%
STA 116+10.83,32.96'
EL 766.460
STA 115+91.15,33.50'
EL 765.804
STA 116+05.15,33.00'
EL 766.062
STA 115+93.52,34.50'
EL 766.224
STA 116+00.15,33.00'
EL 765.987
7.00%
STA 115+97.57,33.00'
EL 765.806
1.50%

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/43RD STREET CURB RAMPS	SHEET 23	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021101_CD.DWG
LAYOUT NAME - 021101_CD - 021102_CD
PLOT DATE : 10/4/2016 8:48 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1:10_XREF
WISDOT/CADDS SHEET 42

2

2

N

W EDGERTON AVE

R/L W EDGERTON AVE

120+00

10+00

R/L S HONEY CREEK DR

S HONEY CREEK DR

STA 119+64.38,26.50'
EL 766.280

STA 119+66.18,24.65'
EL 765.860

STA 119+67.75,26.31'
EL 765.871

STA 119+59.80,28.00'
EL 766.234

STA 119+47.35,28.00'
EL 766.344

STA 119+65.80,28.00'
EL 765.814

0.50%

STA 119+69.15,33.00'
EL 765.848

STA 119+71.46,31.84'
EL 765.905

STA 119+72.22,33.50'
EL 765.914

1.23%

7.00%

1.50%

1.23%

6.85%

1.50%

STA 119+47.35,33.00'
EL 766.419

STA 119+59.79,33.00'
EL 766.309

STA 119+65.79,33.00'
EL 765.898

1.50%

STA 119+69.85,34.50'
EL 765.910

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

STA 120+18.52,24.65'
EL 765.798

STA 120+20.32,26.50'
EL 766.218

STA 120+18.90,28.00'
EL 765.696

STA 120+17.00,26.34'
EL 765.753

STA 120+24.90,28.00'
EL 766.332

STA 120+31.08,28.00'
EL 766.764

1.50%

STA 120+15.55,33.00'
EL 765.596

STA 120+13.24,31.84'
EL 765.653

5.23%

7.00%

1.50%

1.50%

7.00%

7.00%

STA 120+12.48,33.50'
EL 765.616

STA 120+14.85,34.50'
EL 766.036

STA 120+31.08,33.00'
EL 766.839

STA 120+24.90,33.00'
EL 766.407

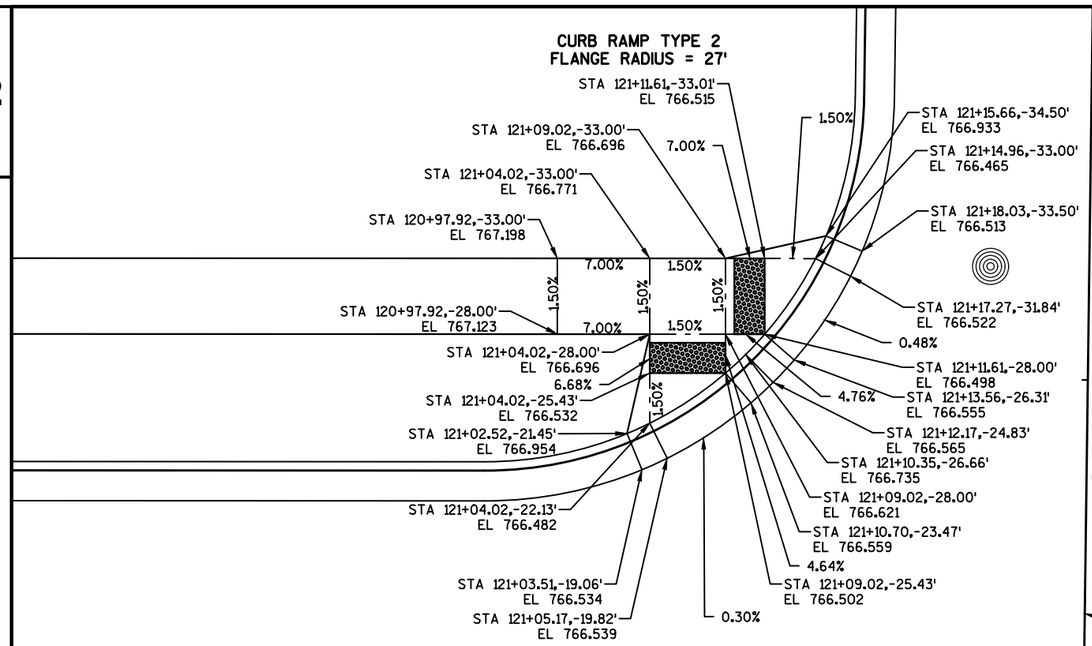
STA 120+18.90,33.00'
EL 765.897

1.50%

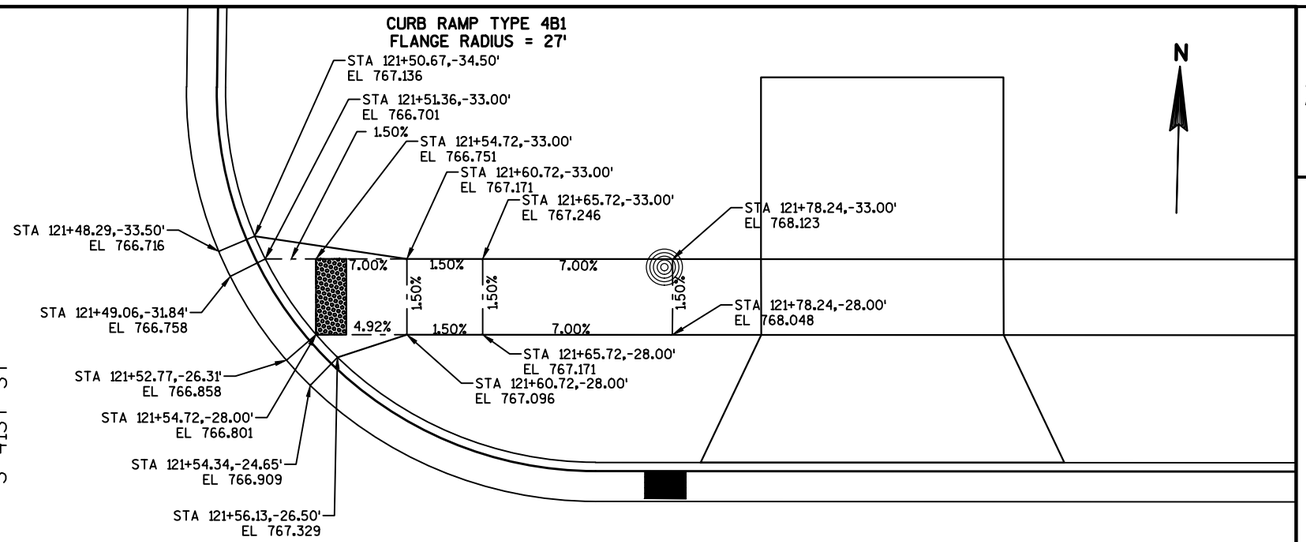
CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/HONEY CREEK DR CURB RAMPS	SHEET 24	E

CURB RAMP TYPE 2
FLANGE RADIUS = 27'



CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'



S 41ST ST

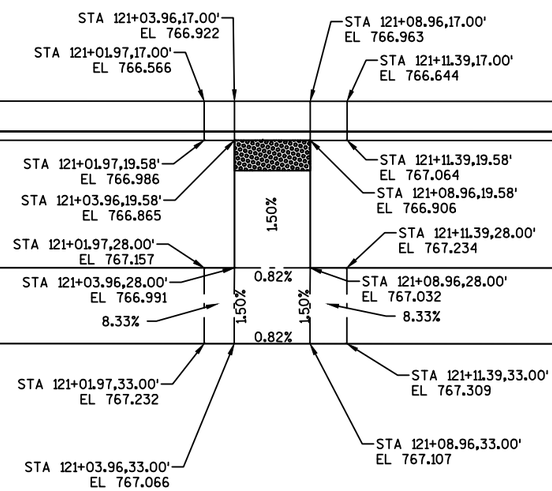
R/L S 41ST STREET

R/L W EDGERTON AVE

121+00

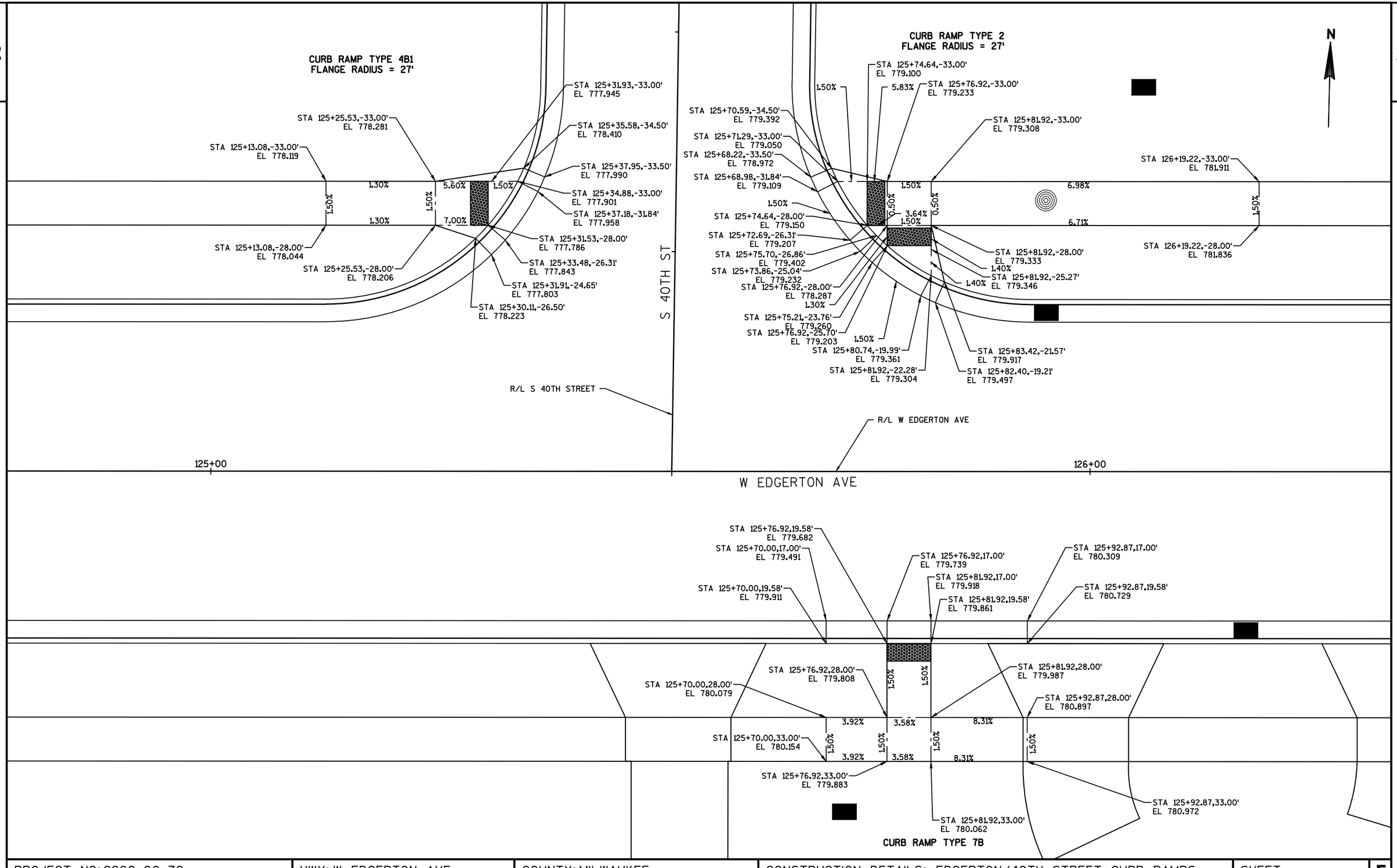
122+00

W EDGERTON AVE



CURB RAMP TYPE 7B

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/41ST STREET CURB RAMPS	SHEET 25	E



PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/40TH STREET CURB RAMPS	SHEET 26	E

2

2

N

R/L W EDGERTON AVE

W EDGERTON AVE

128+00

EP: 9+99.99

S MALLARD CIRCLE

R/L S MALLARD CIRCLE

STA 127+99.99,26.50'
EL 787.766

STA 128+01.79,24.65'
EL 787.346

STA 128+01.40,28.00'
EL 787.364

STA 128+03.35,26.31'
EL 787.421

STA 128+07.06,31.84'
EL 787.521

STA 128+07.83,33.50'
EL 787.584

STA 128+05.45,34.50'
EL 788.004

STA 127+95.40,28.00'
EL 787.634

STA 127+90.40,28.00'
EL 787.559

STA 127+82.95,28.00'
EL 787.252

4.12% 1.50% 3.55% 1.50%

4.12% 1.50% 3.25% 1.50%

1.50% 1.50% 1.50%

STA 127+82.95,33.00'
EL 787.327

STA 127+90.40,33.00'
EL 787.634

STA 127+95.40,33.00'
EL 787.709

STA 128+01.40,33.00'
EL 787.514

STA 128+04.76,33.00'
EL 787.464

PT: 9+54.37

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

STA 128+34.92,26.50'
EL 788.717

STA 128+33.12,24.65'
EL 788.297

STA 128+33.51,28.00'
EL 788.231

STA 128+31.56,26.31'
EL 788.288

0.39%

STA 128+30.15,33.00'
EL 788.205

STA 128+27.85,31.84'
EL 788.262

STA 128+39.51,28.00'
EL 788.600

STA 128+44.51,28.00'
EL 788.675

STA 128+51.95,28.00'
EL 788.966

STA 128+51.95,33.00'
EL 789.041

6.43% 1.50% 3.91% 1.50%

7.00% 1.50% 3.91% 1.50%

1.50% 1.50% 1.50%

STA 128+44.51,33.00'
EL 788.750

STA 128+39.51,33.00'
EL 788.675

STA 128+33.51,33.00'
EL 788.255

STA 128+29.46,34.50'
EL 788.675

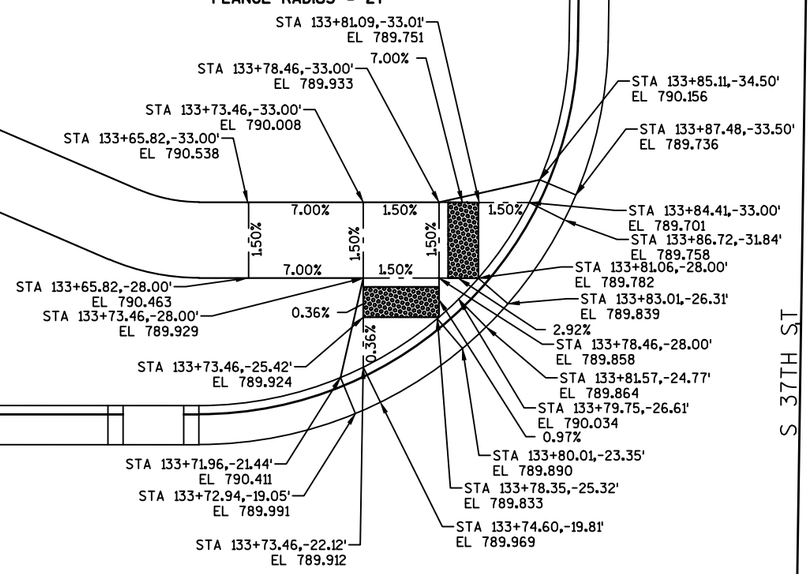
STA 128+27.08,33.50'
EL 788.255

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

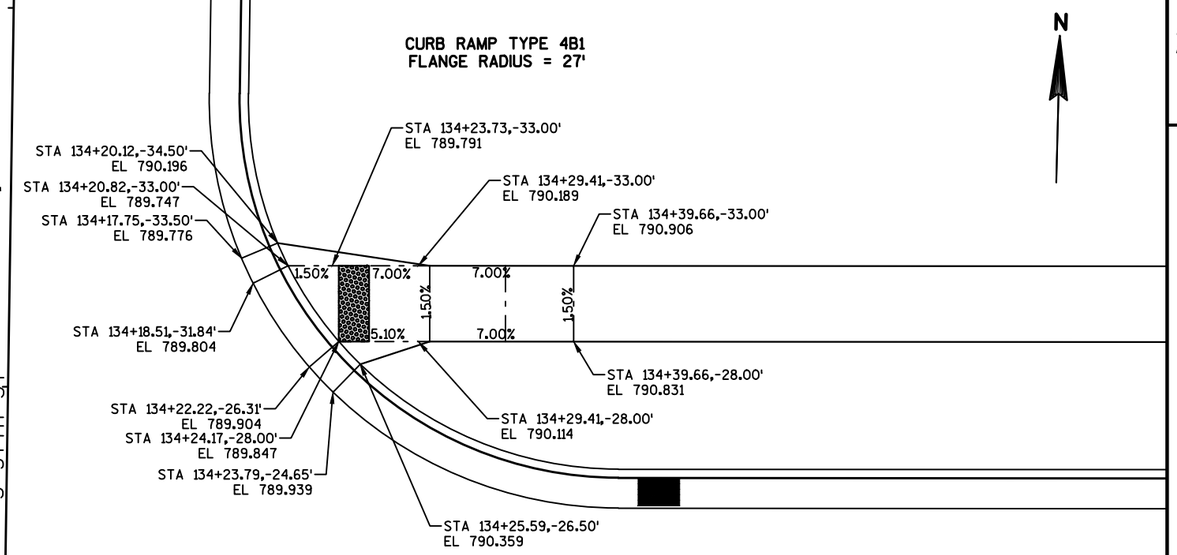
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/MALLARD CIRCLE CURB RAMPS	SHEET 27	E

2

CURB RAMP TYPE 2
FLANGE RADIUS = 27'



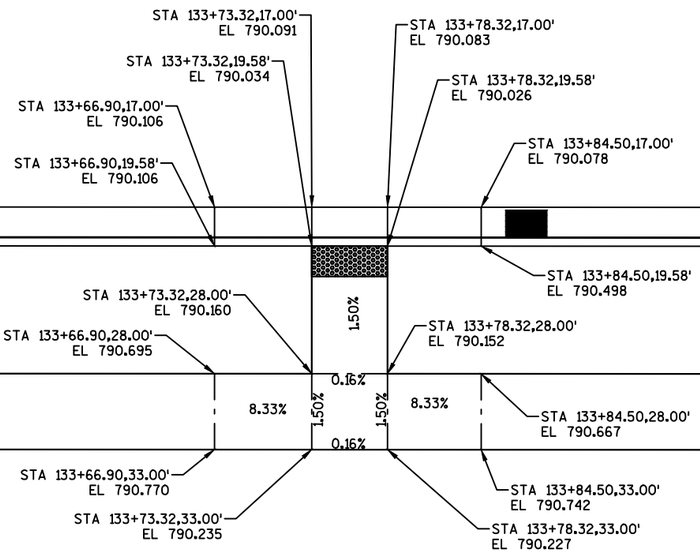
CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'



R/L W EDGERTON AVE

BP: 10+00.00 134+00

W EDGERTON AVE



CURB RAMP TYPE 7B

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/37TH STREET CURB RAMPS	SHEET 28	E

2

2

N

CURB RAMP TYPE 7B

STA 135+95.40,-33.00'
EL 792.497

STA 135+90.32,-33.00'
EL 792.290

STA 136+00.40,-33.00'
EL 792.593

STA 136+08.46,-33.00'
EL 793.264

1.96%

STA 135+90.32,-28.00'
EL 792.845

8.33%

1.50%

1.50%

8.33%

STA 136+08.46,-28.00'
EL 793.189

1.96%

STA 135+95.40,-28.00'
EL 792.422

STA 136+00.40,-28.00'
EL 792.518

STA 135+95.40,-19.58'
EL 792.296

1.50%

STA 136+00.40,-19.58'
EL 793.264

STA 135+90.32,-19.58'
EL 792.667

STA 135+90.32,-17.00'
EL 792.257

STA 136+08.46,-19.58'
EL 793.360

STA 136+08.46,-17.00'
EL 793.940

STA 135+95.40,-17.00'
EL 792.353

STA 136+00.40,-17.00'
EL 792.448

R/L W EDGERTON AVE

135+00

EP: 10+00.00

136+00

W EDGERTON AVE

R/L S 37TH STREET

S 37TH ST

STA 135+27.43,28.00'
EL 791.678

STA 135+39.88,28.00'
EL 791.751

STA 135+46.26,24.65'
EL 791.359

STA 135+44.46,26.50'
EL 791.779

STA 135+47.83,26.31'
EL 791.388

STA 135+45.88,28.00'
EL 791.331

0.58%

7.00%

1.50%

1.50%

STA 135+51.54,31.84'
EL 791.474

0.58%

5.98%

1.50%

STA 135+49.23,33.00'
EL 791.417

STA 135+27.43,33.00'
EL 791.753

STA 135+39.88,33.00'
EL 791.826

STA 135+52.30,33.50'
EL 791.498

STA 135+49.93,34.50'
EL 791.779

STA 135+45.88,33.00'
EL 791.467

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

STA 135+99.22,19.92'
EL 792.276

STA 136+00.39,22.22'
EL 792.219

STA 135+95.40,25.58'
EL 792.119

STA 136+00.88,19.15'
EL 792.331

STA 135+93.70,23.64'
EL 792.176

STA 136+01.89,21.52'
EL 792.751

2.23%

STA 135+94.15,26.75'
EL 792.318

STA 135+92.32,24.93'
EL 792.148

STA 135+95.40,28.00'
EL 792.173

0.30%

STA 136+00.40,25.57'
EL 792.229

4.55%

0.30%

STA 136+00.40,28.00'
EL 792.236

STA 135+91.03,26.31'
EL 792.120

STA 136+17.11,28.00'
EL 793.353

STA 135+92.98,28.00'
EL 792.063

1.50%

6.68%

STA 135+87.33,31.84'
EL 792.020

0.44%

0.44%

1.50%

STA 135+89.63,33.00'
EL 791.963

1.50%

1.50%

7.00%

STA 136+17.11,33.00'
EL 793.428

STA 135+86.56,33.50'
EL 791.195

STA 136+00.40,33.00'
EL 792.258

STA 135+95.41,33.00'
EL 792.183

7.00%

STA 135+88.93,34.50'
EL 792.385

STA 135+92.98,33.00'
EL 792.013

CURB RAMP TYPE 2
FLANGE RADIUS = 27'

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/37TH STREET CURB RAMPS	SHEET 29	E

2

N

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

STA 138+39.32,-33.00'
EL 794.437

STA 138+63.33,-33.00'
EL 793.031

STA 138+69.73,-33.00'
EL 792.605

STA 138+58.33,-33.00'
EL 793.106

STA 138+73.38,-34.50'
EL 792.962

STA 138+75.75,-33.50'
EL 792.542

STA 138+72.68,-33.00'
EL 792.561

STA 138+74.99,-31.84'
EL 792.618

7.00%

1.50%

1.50%

1.50%

7.00%

7.00%

1.50%

4.92%

STA 138+39.32,-28.00'
EL 794.362

STA 138+58.33,-28.00'
EL 793.031

STA 138+63.33,-28.00'
EL 792.956

STA 138+69.33,-28.00'
EL 792.661

STA 138+71.28,-26.31'
EL 792.718

STA 138+69.71,-24.65'
EL 792.811

STA 138+67.91,-26.50'
EL 793.231

S 36TH ST

R/L S 36TH STREET

CURB RAMP TYPE 2
FLANGE RADIUS = 27'

STA 139+12.46,-33.00'
EL 791.953

STA 139+08.41,-34.50'
EL 792.380

5.06%

STA 139+14.63,-33.00'
EL 792.063

STA 139+19.63,-33.00'
EL 792.136

STA 139+06.03,-33.50'
EL 791.960

STA 139+26.10,-33.00'
EL 792.591

STA 139+09.10,-33.00'
EL 791.903

STA 139+06.80,-31.84'
EL 791.960

1.50%

1.50%

7.00%

1.50%

1.50%

1.50%

STA 139+12.46,-28.00'
EL 791.897

STA 139+10.51,-26.31'
EL 791.954

1.50%

7.00%

STA 139+26.10,-28.00'
EL 792.516

4.19%

STA 139+19.63,-28.00'
EL 792.063

7.00%

STA 139+14.63,-28.00'
EL 791.988

STA 139+11.65,-25.07'
EL 791.949

STA 139+19.63,-25.79'
EL 791.909

1.50%

STA 139+13.49,-26.88'
EL 792.238

STA 139+12.91,-23.87'
EL 791.944

4.57%

STA 139+21.13,-21.62'
EL 792.323

STA 139+14.63,-25.79'
EL 791.887

STA 139+20.10,-19.26'
EL 791.903

STA 139+18.44,-20.05'
EL 791.914

STA 139+19.63,-22.34'
EL 791.857

R/L W EDGERTON AVE

BP: 10+00.00

139+00

W EDGERTON AVE

STA 139+19.63,17.00'
EL 792.082

STA 139+14.63,17.00'
EL 792.201

STA 139+19.63,19.58'
EL 792.007

STA 139+05.88,17.00'
EL 792.412

STA 139+24.64,17.00'
EL 791.962

STA 139+24.64,19.58'
EL 792.382

STA 139+05.88,19.58'
EL 792.831

STA 139+14.63,19.58'
EL 792.144

1.50%

STA 139+14.63,28.00'
EL 792.270

STA 139+19.63,28.00'
EL 792.133

STA 139+24.64,28.00'
EL 792.550

STA 139+05.88,28.00'
EL 792.999

1.96%

8.33%

2.74%

2.74%

8.33%

1.96%

STA 139+05.88,33.00'
EL 793.074

STA 139+24.64,33.00'
EL 792.625

STA 139+19.63,33.00'
EL 792.208

STA 139+14.63,33.00'
EL 792.345

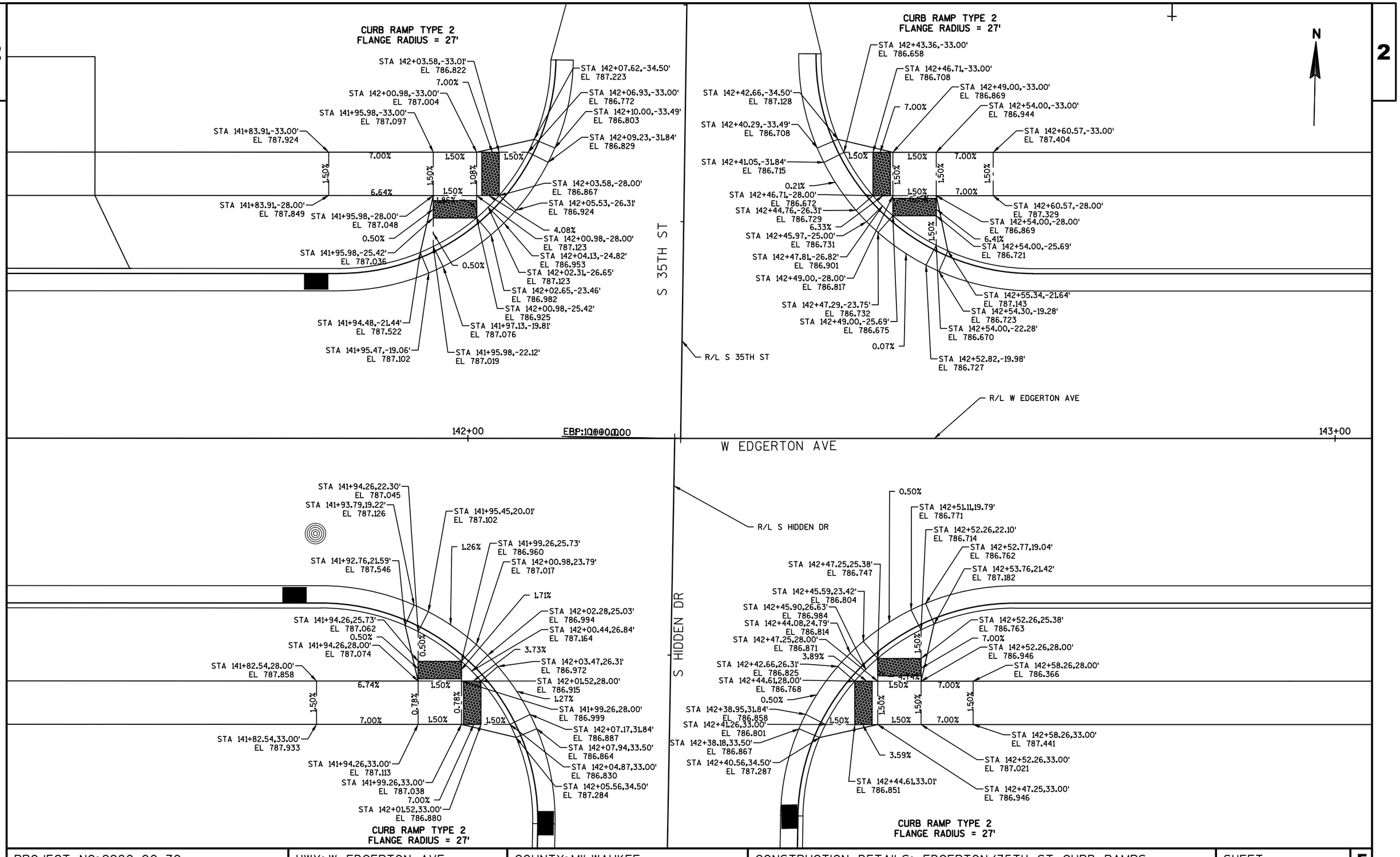
CURB RAMP TYPE 7B

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/36TH STREET CURB RAMPS	SHEET 30	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021101_CD.DWG
LAYOUT NAME - 021101_CD - 021109_CD

PLOT DATE : 10/4/2016 8:48 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1:10_XREF

WISDOT/CADDS SHEET 42



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/35TH ST CURB RAMPS	SHEET 31	E

2

2

CURB RAMP TYPE 7B

STA 145+38.71,-33.00'
EL 780.704

STA 145+43.71,-33.00'
EL 780.588

STA 145+38.71,-28.00'
EL 780.629

STA 145+43.71,-28.00'
EL 780.513

STA 145+29.96,-33.00'
EL 781.427

STA 145+48.58,-33.00'
EL 780.993

2.32%

8.27%

1.50%

1.50%

8.33%

STA 145+48.58,-28.00'
EL 780.918

2.32%

STA 145+29.96,-28.00'
EL 781.352

1.50%

STA 145+38.71,-19.58'
EL 780.503

STA 145+43.71,-19.58'
EL 780.387

STA 145+29.96,-19.58'
EL 781.184

STA 145+48.58,-19.58'
EL 780.750

STA 145+29.96,-17.00'
EL 780.764

STA 145+48.58,-17.00'
EL 780.330

STA 145+38.71,-17.00'
EL 780.560

STA 145+43.71,-17.00'
EL 780.444

N

R/L W EDGERTON AVE

EP: 10+00.00

10+00

EP: 10+00.00

10+00

W EDGERTON AVE

R/L S TUCKAWAY BLVD SB

R/L S TUCKAWAY BLVD NB

S TUCKAWAY BLVD SB

S TUCKAWAY BLVD NB

STA 144+63.42,26.50'
EL 782.291

STA 144+65.21,24.65'
EL 781.871

STA 144+64.83,28.00'
EL 781.722

STA 144+58.83,28.00'
EL 782.017

STA 144+66.78,26.31'
EL 781.779

STA 144+53.83,28.00'
EL 782.092

STA 144+68.19,33.00'
EL 781.622

A 144+31.65,28.00'
EL 783.645

7.00%

4.92%

STA 144+70.49,31.84'
EL 781.679

1.50%

1.50%

1.50%

7.00%

7.00%

1.50%

TA 144+31.65,33.00'
EL 783.720

STA 144+53.83,33.00'
EL 782.167

STA 144+71.26,33.50'
EL 781.601

STA 144+58.83,33.00'
EL 782.092

STA 144+68.88,34.50'
EL 782.021

STA 144+64.83,32.99'
EL 781.672

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

STA 145+42.48,19.78'
EL 780.378

STA 145+43.62,22.09'
EL 780.321

STA 145+38.62,25.37'
EL 780.420

STA 145+44.14,19.03'
EL 780.351

STA 145+36.95,23.40'
EL 780.477

1.49%

STA 145+45.12,21.42'
EL 780.771

4.37%

STA 145+38.62,28.00'
EL 780.535

STA 145+35.44,24.78'
EL 780.507

STA 145+37.25,26.62'
EL 780.677

STA 145+43.62,25.37'
EL 780.371

2.03%

1.50%

7.00%

STA 145+34.01,26.31'
EL 780.538

STA 145+43.62,28.00'
EL 780.555

STA 145+35.96,28.00'
EL 780.481

STA 145+48.75,28.00'
EL 780.914

1.49%

0.40%

STA 145+30.30,31.84'
EL 780.637

1.50%

1.50%

STA 145+48.75,33.00'
EL 780.989

STA 145+32.60,33.00'
EL 780.580

0.50%

0.40%

STA 145+29.53,33.50'
EL 780.665

STA 145+43.62,33.00'
EL 780.630

STA 145+38.62,33.00'
EL 780.610

STA 145+31.91,34.50'
EL 781.085

0.50%

STA 145+35.96,33.00'
EL 780.597

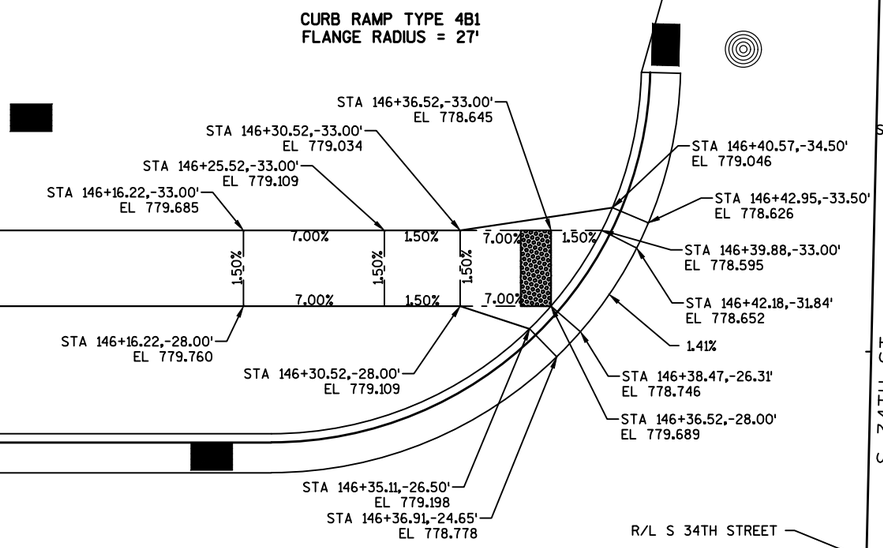
CURB RAMP TYPE 2
FLANGE RADIUS = 27'

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/TUCKAWAY BLVD CURB RAMPS	SHEET 32	E

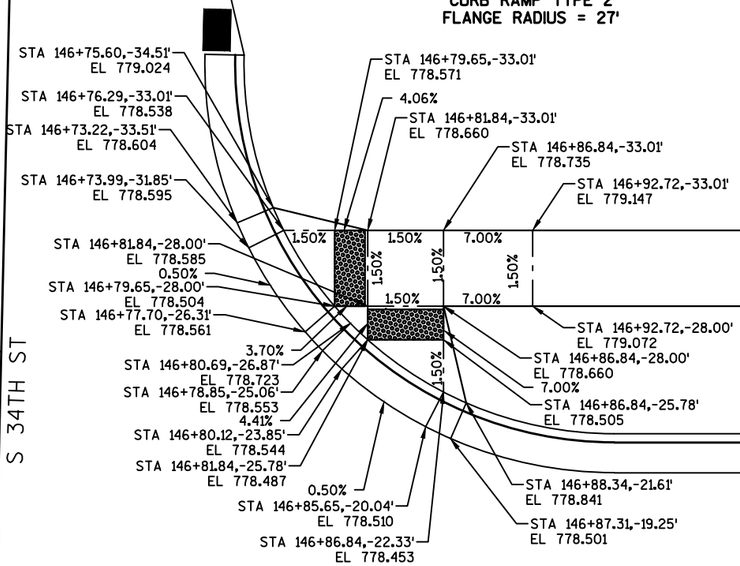
2

N

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'



CURB RAMP TYPE 2
FLANGE RADIUS = 27'



S 34TH ST

R/L S 34TH STREET

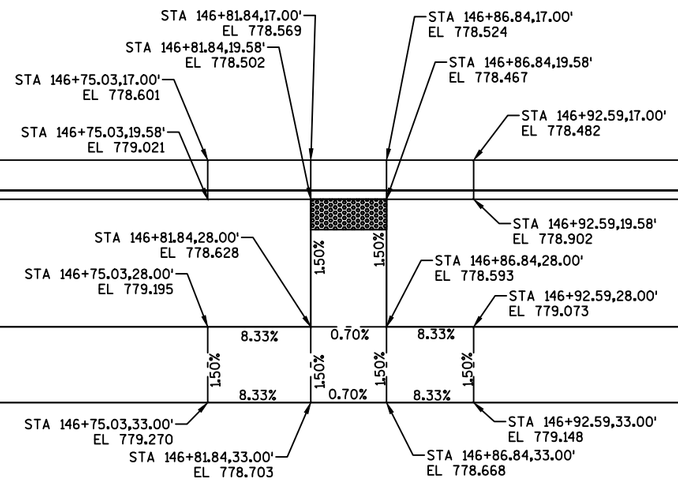
R/L W EDGERTON AVE

146+00

BP: 10+00.00

147+00

W EDGERTON AVE



CURB RAMP TYPE 7B

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/34TH STREET CURB RAMPS	SHEET 33	E

2

2

CURB RAMP TYPE 2
FLANGE RADIUS = 27'

STA 155+84.23,-33.00'
EL 775.082
7.00%

STA 155+88.28,-34.50'
EL 775.487

STA 155+82.23,-33.00'
EL 775.222

STA 155+65.60,-33.00'
EL 776.111

STA 155+77.23,-33.00'
EL 775.297

STA 155+90.66,-33.50'
EL 775.067

STA 155+87.59,-33.00'
EL 775.032

STA 155+89.89,-31.84'
EL 775.089

1.19%

STA 155+84.23,-28.00'
EL 775.112

6.78%

STA 155+65.60,-28.00'
EL 776.036

STA 155+77.23,-28.00'
EL 775.247

3.00%

STA 155+86.18,-26.31'
EL 775.169

0.30%

STA 155+82.36,-28.00'
EL 775.179

STA 155+77.23,-25.95'
EL 775.241

STA 155+85.14,-25.17'
EL 775.189

STA 155+20.18

STA 155+83.29,-26.97'
EL 775.357

1.07%

STA 155+83.97,-24.04'
EL 775.207

STA 155+75.73,-21.70'
EL 775.729

STA 155+82.23,-25.95'
EL 775.150

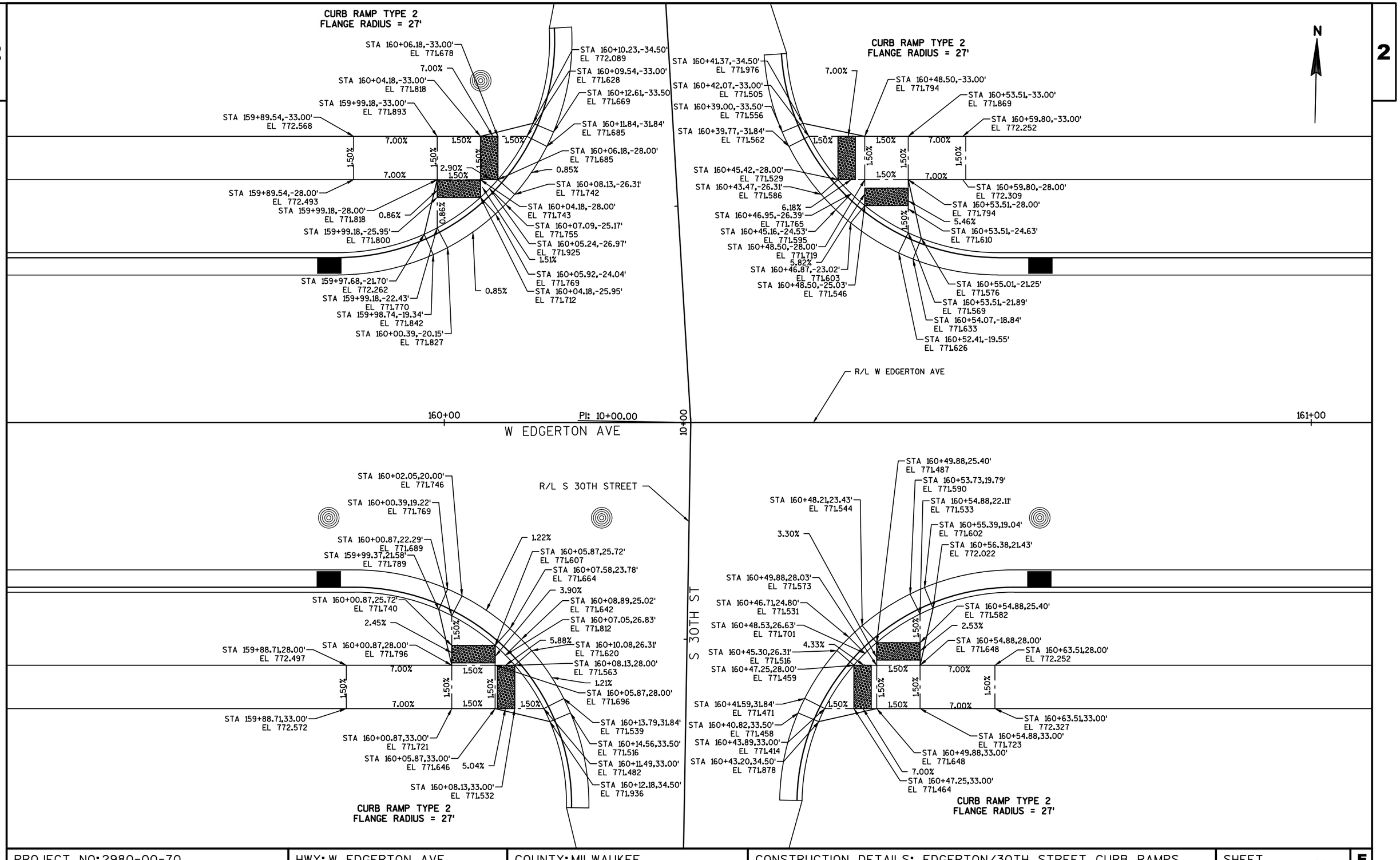
STA 155+77.23,-22.43'
EL 775.230

1.19%

STA 155+76.79,-19.34'
EL 775.309

STA 155+78.44,-20.15'
EL 775.287

7.00% 1.50% 1.50% 1.00% 1.00% 1.50% 1.50% 1.50



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/30TH STREET CURB RAMPS	SHEET 35	E

2

CURB RAMP TYPE 4B1
FLANGE RADIUS [redacted]'

STA 164+86.75,-33.00'
EL 779.244
STA 165+01.30,-33.00'
EL 778.226
STA 165+06.30,-33.00'
EL 778.151
STA 165+12.30,-33.00'
EL 777.731
STA 165+16.34,-34.50'
EL 778.107
STA 165+15.65,-33.00'
EL 777.681
STA 165+18.72,-33.50'
EL 777.687
STA 165+17.95,-31.84'
EL 777.738
7.00%
1.50%
7.00%
1.50%
1.50%
7.00%
1.50%
4.92%
1.50%
STA 165+01.30,-28.00'
EL 778.151
STA 165+06.30,-28.00'
EL 778.076
STA 165+12.30,-28.00'
EL 777.781
STA 165+14.25,-26.31'
EL 777.838
STA 164+86.75,-28.00'
EL 779.169
STA 165+12.68,-24.65'
EL 777.911
STA 165+10.88,-26.50'
EL 778.331

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

CURB RAMP TYPE 7B

STA 165+51.40,-33.00'
EL 777.664
STA 165+57.40,-33.00'
EL 778.084
STA 165+80.18,-33.00'
EL 778.325
STA 165+85.18,-33.00'
EL 778.300
STA 165+91.08,-33.00'
EL 778.790
STA 165+47.35,-34.50'
EL 778.049
STA 165+48.05,-33.00'
EL 777.614
STA 165+44.97,-33.50'
EL 777.629
STA 165+62.40,-33.00'
EL 778.159
STA 165+45.74,-31.84'
EL 777.671
1.50%
7.00%
1.50%
0.93%
0.50%
8.27%
1.00%
0.00%
1.00%
1.50%
1.50%
STA 165+51.40,-28.00'
EL 777.714
STA 165+49.46,-26.32'
EL 777.771
STA 165+52.82,-26.50'
EL 778.236
STA 165+51.02,-24.65'
EL 777.816
STA 165+57.40,-28.00'
EL 778.134
7.00%
0.50%
0.51%
0.50%
8.27%
STA 165+62.40,-28.00'
EL 778.159
STA 165+80.18,-28.00'
EL 778.250
STA 165+91.08,-28.00'
EL 778.715
STA 165+85.18,-28.00'
EL 778.225
1.50%
STA 165+91.08,-19.58'
EL 778.547
STA 165+73.44,-19.58'
EL 778.635
STA 165+73.44,-17.00'
EL 778.215
STA 165+80.18,-19.58'
EL 778.124
STA 165+80.18,-17.00'
EL 778.181
STA 165+91.08,-17.00'
EL 778.127
STA 165+85.18,-19.58'
EL 778.099
STA 165+85.18,-17.00'
EL 778.156

S FD DR

R/L S FD DR

R/L W EDGERTON AVE

165+00

BP: 5+00.00

166+00

W EDGERTON AVE

R/L S TUCKAWAY DR

S TUCKAWAY DR

STA 165+81.07,19.89'
EL 777.954
STA 165+79.42,19.13'
EL 777.981
STA 165+79.91,22.20'
EL 777.897
STA 165+78.41,21.50'
EL 778.401
STA 165+86.60,23.60'
EL 777.854
STA 165+84.91,25.55'
EL 777.797
2.21%
STA 165+88.00,24.91'
EL 777.825
STA 165+86.18,26.73'
EL 778.101
4.58%
STA 165+89.31,26.31'
EL 777.796
STA 165+87.36,28.00'
EL 777.739
STA 165+84.91,28.00'
EL 777.851
STA 165+93.02,31.84'
EL 777.696
STA 165+93.79,33.50'
EL 777.669
STA 165+90.71,33.00'
EL 777.639
STA 165+91.41,34.50'
EL 778.089
STA 165+79.91,25.55'
EL 777.914
0.50%
STA 165+79.91,28.00'
EL 777.926
0.50%
STA 165+65.37,28.00'
EL 778.884
6.31%
1.50%
0.50%
0.50%
1.50%
1.50%
7.00%
1.50%
STA 165+65.37,33.00'
EL 778.919
STA 165+79.91,33.00'
EL 777.901
STA 165+84.91,33.00'
EL 777.826
5.60%
STA 165+87.36,33.00'
EL 777.689

CURB RAMP TYPE 2
FLANGE RADIUS = 27'

STA 166+30.28,26.72'
EL 778.204
STA 166+28.52,24.83'
EL 777.784
STA 166+26.89,26.49'
EL 777.451
STA 166+28.81,28.22'
EL 777.394
STA 166+34.03,28.24'
EL 777.666
STA 166+34.01,33.24'
EL 777.741
5.20%
1.50%
1.50%
STA 166+23.03,32.00'
EL 777.353
1.50%
7.00%
STA 166+22.23,33.66'
EL 777.327
STA 166+25.32,33.20'
EL 777.296
STA 166+24.59,34.71'
EL 777.747
STA 166+44.66,28.42'
EL 778.388
STA 166+44.33,33.41'
EL 778.463
STA 166+28.30,33.22'
EL 777.341

CURB RAMP TYPE 4B1
FLANGE RADIUS = 27'

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CONSTRUCTION DETAILS: EDGERTON/TUCKAWAY DRIVE CURB RAMPS	SHEET 36	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021101_CD.DWG
LAYOUT NAME - 021101_CD - 021115_CD
PLOT DATE : 10/4/2016 8:49 AM PLOT BY : WALTER A. WOLAK II PLOT NAME :
PLOT SCALE : 1:10_XREF
WISDOT/CADDS SHEET 42

LEGEND

- SAWCUT
- REMOVING CURB AND GUTTER
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING
- REMOVING SMALL PIPE CULVERTS
- REMOVING STORM SEWER
- REMOVING FENCE
- REMOVING INLETS
- REMOVING MANHOLES
- SLOPE INTERCEPT

N

MATCHLINE STA 103+00

2

SLOPE INTERCEPT (TYP)

R/L W EDGERTON AVE

REMOVING INLETS

REMOVING STORM SEWER

REMOVING INLETS

REMOVING STORM SEWER

REMOVING STORM SEWER

REMOVING INLETS

R/W

96

98

100

102

REMOVING INLETS

W EDGERTON AVE

R/W

BEGIN PROJECT
STA 95+97.59

REMOVING CURB AND GUTTER

MATCHLINE STA 95+50

S 48TH ST

REMOVING INLETS

SLOPE INTERCEPT (TYP)

REMOVING INLETS

REMOVING INLETS

R/W

R/L W EDGERTON AVE

MATCHLINE STA 95+50

SLOPE INTERCEPT (TYP)

94

W EDGERTON AVE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 37	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021201_rm.dgn PLOT DATE : 10/26/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

2

MATCHLINE STA 103+00

MATCHLINE STA 110+50

2

LEGEND

- XXXXX SAWCUT
- REMOVING CURB AND GUTTER
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING
- REMOVING SMALL PIPE CULVERTS
- RM REMOVING STORM SEWER
- REMOVING FENCE
- REMOVING INLETS
- REMOVING MANHOLES
- SLOPE INTERCEPT

N

REMOVING STORM SEWER
REMOVING FENCE
REMOVING MANHOLES
REMOVING STORM SEWER
REMOVING INLETS
SLOPE INTERCEPT (TYP)
REMOVING MANHOLES
REMOVING STORM SEWER
REMOVING STORM SEWER
R/L W EDGERTON AVE
R/W
REMOVING INLETS
104
106
108
110
W EDGERTON AVE
REMOVING STORM SEWER
REMOVING INLETS
SLOPE INTERCEPT (TYP)
REMOVING INLETS
REMOVING STORM SEWER
REMOVING INLETS
R/W
FLAG
POST
SAN
SS
W(P)
RM

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 38	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021202_rm.dgn PLOT DATE : 12/14/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

MATCHLINE STA 110+50

MATCHLINE STA 118+00

2

LEGEND

- XXXXX SAWCUT
- IIIIIII REMOVING CURB AND GUTTER
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING
- REMOVING SMALL PIPE CULVERTS
- —RM— REMOVING STORM SEWER
- REMOVING FENCE
- REMOVING INLETS
- REMOVING MANHOLES
- SLOPE INTERCEPT

NOTES:

1) SEE REMOVAL PLANS - DRAINAGE SWALE & S 35TH STREET FOR ADDITIONAL REMOVALS.

N

W EDGERTON AVE

S 43RD ST

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

REMOVING INLETS

REMOVING STORM SEWER

R/W

112

114

116

118

124

126

128

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 39	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021203_rm.dgn PLOT DATE : 10/26/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

2

MATCHLINE STA 118+00

MATCHLINE STA 125+50

2

LEGEND

- XXXXX SAWCUT
- REMOVING CURB AND GUTTER
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING
- REMOVING SMALL PIPE CULVERTS
- RM REMOVING STORM SEWER
- REMOVING FENCE
- REMOVING INLETS
- REMOVING MANHOLES
- SLOPE INTERCEPT

N

S 41ST ST

S 40TH ST

W EDGERTON AVE

R/L W EDGERTON AVE

S HONEY CREEK DR

REMOVING CURB AND GUTTER

REMOVING STORM SEWER

REMOVING MANHOLES

REMOVING INLETS

SLOPE INTERCEPT (TYP)

R/W

118 120 122 124

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 40	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021204_rm.dgn PLOT DATE : 10/26/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

2

MATCHLINE STA 125+50

MATCHLINE STA 133+00

N

LEGEND

- XXXXX SAWCUT
- REMOVING CURB AND GUTTER
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING
- REMOVING SMALL PIPE CULVERTS
- —RM— REMOVING STORM SEWER
- —X— REMOVING FENCE
- REMOVING INLETS
- REMOVING MANHOLES
- SLOPE INTERCEPT

S MATHY ST

REMOVING INLETS

REMOVING SMALL PIPE CULVERTS

SLOPE INTERCEPT (TYP)

REMOVING STORM SEWER

R/L W EDGERTON AVE

REMOVING STORM SEWER

R/W

126

128

130

132

W EDGERTON AVE

REMOVING INLETS

REMOVING STORM SEWER

REMOVING INLETS

REMOVING STORM SEWER

REMOVING INLETS

REMOVING INLETS

SLOPE INTERCEPT (TYP)

REMOVING STORM SEWER

S MALLARD CIRCLE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 41	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021205_rm.dgn PLOT DATE : 10/26/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

MATCHLINE STA 133+00

MATCHLINE STA 140+50

2

N

LEGEND

- XXXXX SAWCUT
- REMOVING CURB AND GUTTER
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING
- REMOVING SMALL PIPE CULVERTS
- RM REMOVING STORM SEWER
- REMOVING FENCE
- REMOVING INLETS
- REMOVING MANHOLES
- SLOPE INTERCEPT

S 37TH ST

S 36TH ST

W EDGERTON AVE

R/L W EDGERTON AVE

REMOVING CURB AND GUTTER

REMOVING INLETS

REMOVING STORM SEWER

SLOPE INTERCEPT (TYP)

REMOVING CURB AND GUTTER

REMOVING STORM SEWER

REMOVING CURB AND GUTTER

REMOVING INLETS

REMOVING STORM SEWER

SLOPE INTERCEPT (TYP)

REMOVING STORM SEWER

REMOVING STORM SEWER

R/W

134

136

138

140

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 42	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021206_rm.dgn PLOT DATE : 12/14/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

2

MATCHLINE STA 140+50

MATCHLINE STA 148+00

2

N

S 35TH ST

S 34TH ST

W EDGERTON AVE

S HIDDEN DR

TUCKAWAY BLVD

R/W

REMOVING CURB AND GUTTER

DRAINAGE DEPRESSIONAL AREA

SLOPE INTERCEPT (TYP)

REMOVING STORM SEWER

REMOVING INLETS

REMOVING FENCE

REMOVING MANHOLES

REMOVING PAVEMENT

REMOVING CONCRETE SIDEWALK

CLEARING AND GRUBBING

REMOVING SMALL PIPE CULVERTS

SAWCUT

GUY POLE

POST

MBS (2)

RM

LEGEND

XXXXX SAWCUT	—RM— REMOVING STORM SEWER
REMOVING CURB AND GUTTER	—X— REMOVING FENCE
REMOVING PAVEMENT	REMOVING INLETS
REMOVING CONCRETE SIDEWALK	
CLEARING AND GRUBBING	REMOVING MANHOLES
REMOVING SMALL PIPE CULVERTS	SLOPE INTERCEPT

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 43	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021207_rm.dgn PLOT DATE : 10/26/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

MATCHLINE STA 148+00

MATCHLINE STA 155+50

2

LEGEND

- XXXXX SAWCUT
- REMOVING CURB AND GUTTER
- REMOVING PAVEMENT
- REMOVING CONCRETE SIDEWALK
- CLEARING AND GRUBBING
- REMOVING SMALL PIPE CULVERTS
- RM REMOVING STORM SEWER
- REMOVING FENCE
- REMOVING INLETS
- REMOVING MANHOLES
- SLOPE INTERCEPT

N

REMOVING INLETS

REMOVING STORM SEWER

R/W

SLOPE INTERCEPT (TYP)

R/L W EDGERTON AVE

REMOVING INLETS

148

150

152

154

REMOVING INLETS

W EDGERTON AVE

REMOVING STORM SEWER

SLOPE INTERCEPT (TYP)

REMOVING INLETS

REMOVING INLETS

REMOVING STORM SEWER

REMOVING FENCE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 44	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021208_rm.dgn PLOT DATE : 12/14/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

2

MATCHLINE STA 155+50

MATCHLINE STA 163+00

N

S 31ST ST

S 30TH ST

W EDGERTON AVE

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

REMOVING INLETS

REMOVING STORM SEWER

REMOVING CURB AND GUTTER

R/W

156

158

160

162

12

10

8

GUY(3)

LEGEND

XXXXX SAWCUT	RM REMOVING STORM SEWER
REMOVING CURB AND GUTTER	REMOVING FENCE
REMOVING PAVEMENT	REMOVING INLETS
REMOVING CONCRETE SIDEWALK	REMOVING MANHOLES
CLEARING AND GRUBBING	SLOPE INTERCEPT
REMOVING SMALL PIPE CULVERTS	

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 45	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021209_rm.dgn PLOT DATE : 10/26/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

2

MATCHLINE STA 163+00

REMOVING CURB AND GUTTER

SLOPE INTERCEPT (TYP)

FD DRIVE

REMOVING SMALL PIPE CULVERTS

REMOVING CURB AND GUTTER

R/W

164

166

168

W EDGERTON AVE

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

S TUCKAWAY DR

REMOVING INLETS

REMOVING STORM SEWER

REMOVING INLETS

REMOVING CURB AND GUTTER

REMOVING STORM SEWER

REMOVING CURB AND GUTTER

REMOVING STORM SEWER

END PROJECT
STA 168+00.89

S 27TH ST

N

LEGEND

XXXXX SAWCUT	—RM— REMOVING STORM SEWER
REMOVING CURB AND GUTTER	—X— REMOVING FENCE
REMOVING PAVEMENT	REMOVING INLETS
REMOVING CONCRETE SIDEWALK	
CLEARING AND GRUBBING	REMOVING MANHOLES
REMOVING SMALL PIPE CULVERTS	SLOPE INTERCEPT

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - W EDGERTON AVE	SHEET 46	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021210_rm.dgn PLOT DATE : 10/26/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

NOTES:

1) SEE REMOVAL PLANS - W EDGERTON AVE FOR STORM SEWER REMOVALS ALONG W EDGERTON AVE.

W EDGERTON AVE

R/L W EDGERTON AVE

DRAINAGE SWALE

767
764
762
760

R/W

S 35TH ST

R/L S 35TH ST

SLOPE INTERCEPT (TYP)

S 35TH ST
SERVICE DRIVE

DRAINAGE DEPRESSIONAL AREA

LEGEND

X X X X X SAWCUT	RM REMOVING STORM SEWER
REMOVING CURB AND GUTTER	REMOVING FENCE
REMOVING PAVEMENT	REMOVING INLETS
REMOVING CONCRETE SIDEWALK	REMOVING MANHOLES
CLEARING AND GRUBBING	SLOPE INTERCEPT
REMOVING SMALL PIPE CULVERTS	

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	REMOVAL PLANS - DRAINAGE SWALE & S 35TH STREET	SHEET 47 E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\021211_rm.dgn PLOT DATE : 10/26/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.

2) ASPHALTIC SURFACE TEMPORARY (3-INCH) CONTINUES TO W LOOMIS ROAD. SEE INSET BELOW.

3) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CM14	ASPHALTIC SURFACE TEMPORARY (3-INCH)
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

N

2

95+50.00 MATCH LINE

101+30.00 MATCH LINE

2

BEGIN PROJECT
STA 95+97.59

STA 95+77.09, 13.32'

STA 95+79.97, 12.57'

STA 95+91.84, -12.00'

STA 96+28.92, -15.05'

STA 97+11.75, -17.81'

STA 97+46.44, -18.96'

STA 97+47.59, -17.00'

STA 97+47.59, 17.00'

STA 97+47.59, 44.00' R=27'

STA 98+33.60, 44.00' R=27'

R/L W EDGERTON AVE

R/L S 48TH ST

MATCH EXISTING
STA 8+75.00

W EDGERTON AVE

S 48TH ST

CAUTION

SEE NOTE 2

9' (TYP)

5' (TYP)

16'

12'

96+00 97+00 98+00 99+00 100+00 101+00

9+00 8+00

95+50.00 MATCH LINE

STA 93+26.77, -25.21'

STA 93+53.60, -12.00'

STA 93+63.60, -27.99'

STA 94+06.18, -12.00'

STA 94+63.73, -12.00'

STA 95+20.42, -12.00'

93+00 94+00 95+00

W EDGERTON AVE

R/L W EDGERTON AVE

GUY POLE
+90 DEG

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE & S 48TH STREET	SHEET 48	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_PD - 1

PLOT DATE : 10/4/2016 8:59 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

NOTES:

1) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

N

107+10.00 MATCH LINE

101+30.00 MATCH LINE

R/L W EDGERTON AVE

W EDGERTON AVE

102+00 103+00 104+00 105+00 106+00 107+00

5' (TYP.) 9' (TYP.)

CAUTION

2

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE	SHEET 49	E

NOTES:

1) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

N

107+10.00 MATCH LINE

112+90.00 MATCH LINE

R/L W EDGERTON AVE

W EDGERTON AVE

107+00 108+00 109+00 110+00 111+00 112+00 113+00

5' (TYP)

9' (TYP)

17'

CAUTION

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	PLAN DETAILS: W EDGERTON AVE	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_PD - 3
PLOT DATE : 10/4/2016 8:59 AM PLOT BY : WALTER A. WOLAK II PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.

2) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

N

118+70.00 MATCH LINE

112+90.00 MATCH LINE

MATCH FUTURE S 43RD ST CONSTRUCTION
STA 127+87.23

MATCH FUTURE S 43RD ST CONSTRUCTION
STA 125+30.75

FUTURE 43RD ST CONSTRUCTION

R/L S 43RD ST

S 43RD ST

W EDGERTON AVE

R/L W EDGERTON AVE

128+00

126+00

113+00

114+00

115+00

116+00

117+00

118+00

STA 115+28.86, -44.00' R=27'

STA 115+27.72, 44.00' R=27'

STA 116+16.81, -44.00' R=27'

STA 116+16.79, -42.98' R=10'

STA 116+41.96, -26.60' R=10'

STA 116+15.78, 43.00' R=10'

STA 116+15.78, 44.00' R=27'

STA 116+40.93, 26.60' R=10'

REMOVING CURB HEAD SEE CONSTRUCTION DETAIL

CAUTION

9' (TYP)

5' (TYP)

4' (TYP)

17.6' (TYP)

17'

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE & S 43RD STREET	SHEET 51 E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_PD - 4
PLOT DATE : 11/15/2016 9:41 AM PLOT BY : WALTER A. WOLAK II PLOT NAME :
PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

2

MATCH EXISTING
STA 12+25.00

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.
2) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

N

124+50.00 MATCH LINE

DEPRESSED
TO STA 11+
SEE URBAN
FOR CURB

2

R/L S 41ST STREET

S 41ST ST

12+00

11+00

13'

13'

CAUTION

STA 120+93.16,
-44.00'
R=27'

STA 121+73.17,
-44.00'
R=27'

R/L W EDGERTON AVE

STA 118+96.91,
-26.60'
R=10'

STA 119+22.06,
-43.00'
R=10'

STA 118+84.62,
26.60'
R=10'

STA 119+09.76,
43.00'
R=10'

STA 119+47.35,
44.00'
R=27'

MATCH EXISTING
STA 9+51.66

STA 120+37.35,
44.00'
R=27'

S HONEY CREEK DR

9+00

10+00

R/L S HONEY CREEK DR

W EDGERTON AVE

17.6' (TYP)

5' (TYP)

9' (TYP)

17'

118+70.00 MATCH LINE

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE, HONEY CREEK DR & S 41ST ST	SHEET 52	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_PD - 5
PLOT DATE : 10/4/2016 8:59 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.

2) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

N

MATCH EXISTING
STA 11+50.00

DEPRESSED CURB HEAD STA 11+37.33
TO STA 11+50 R/L S. 40TH ST.
SEE URBAN DRIVEWAY DETAIL
FOR CURB HEAD TRANSITION

R/L S 40TH STREET

S 40TH ST

CAUTION

STA 125+13.08,
-44.00'
R=27'

STA 125+93.09,
-44.00'
R=27'

R/L W EDGERTON AVE

W EDGERTON AVE

5' (TYP)

9' (TYP)

17'

13'

13'

11+00

125+00

126+00

127+00

128+00

129+00

130+00

STA 127+82.95,
44.00'
R=27'

STA 128+51.95,
44.00'
R=27'

7.5'

7.5'

MATCH EXISTING
STA 9+42.00

R/L S MALLARD CIRCLE

S MALLARD CIRCLE

9+00

130+30.00 MATCH LINE

124+50.00 MATCH LINE

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE, S 40TH ST & S MALLARD CIR	SHEET 53	E

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.

2) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

N

2

2

136+10.00 MATCH LINE

130+30.00 MATCH LINE

R/L S 37TH STREET

MATCH EXISTING
STA 11+10.00

MATCH EXISTING
STA 8+83.00

S 37TH ST

W EDGERTON AVE

STA 131+49.85,
-43.00'
R=10'

STA 131+75.00,
-26.60'
R=10'

R/L W EDGERTON AVE

STA 133+37.46,
-26.60'
R=10'

STA 133+62.61,
-44.00'
R=27'

STA 133+62.61,
-43.00'
R=10'

STA 134+42.62,
-44.00'
R=27'

STA 135+27.43,
44.00'
R=27'

STA 9+46.07,
-15.00'

STA 9+45.92,
15.00'

REMOVING CURB HEAD
SEE CONSTRUCTION DETAIL

CAUTION

131+00 132+00 133+00 134+00 135+00 136+00

11+00 9+00

5' (TYP) 9' (TYP) 17' 17.6' (TYP) 4' (TYP) 13' 15'

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	PLAN DETAILS: W EDGERTON AVE & S 37TH STREET	SHEET 54 E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021201_PD.DWG
LAYOUT NAME - 021201_PD - 7

PLOT DATE : 11/15/2016 9:41 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

NOTES:
1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.
2) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

N

2

2

R/L S 36TH STREET

MATCH EXISTING
STA 10+60.00

S 36TH ST

11+00

141+90.00 MATCH LINE

R/L W EDGERTON AVE

W EDGERTON AVE

CAUTION

GUY POLE

STA 10+55.00,
13.00'

STA 10+53.03,
-13.00'

STA 138+50.88,
-44.00'
R=27'

STA 139+30.90,
-44.00'
R=27'

STA 141+85.13,
-44.00'
R=27'

STA 136+11.43,
44.00'
R=27'

STA 141+83.07,
44.00'
R=27'

13'

17'

5' (TYP)

9' (TYP)

136+00 137+00 138+00 139+00 140+00 141+00 142+00

136+10.00 MATCH LINE

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE & S 36TH STREET	SHEET 55	E

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.
2) SEE PLAN DETAILS: S 35TH STREET FOR S 35TH STREET, AND SERVICE ROAD PLAN DETAIL INFORMATION.
3) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

N

141+90.00 MATCH LINE

147+70.00 MATCH LINE

R/L S 35TH ST SERVICE DR SOUTH

S 35TH ST SERVICE DR

S 35TH ST

R/L S 35TH ST

STA 10+53.46, -13.00'

STA 10+54.57, 13.00'

STA 142+65.16, -44.00' R=27'

CAUTION

5' (TYP)

9' (TYP)

R/L W EDGERTON AVE

W EDGERTON AVE

STA 10+53.09, -13.00'

STA 146+18.08, -44.00' R=27'

R/L S 34TH STREET

S 34TH ST

MATCH EXISTING STA 11+20.00

STA 10+54.93, 13.00'

STA 146+98.10, -44.00' R=27'

S HIDDEN DR

R/L S HIDDEN DR

STA 142+63.06, 44.00' R=27'

MATCH EXISTING STA 8+83.00

STA 144+46.38, 44.00' R=27'

STA 9+45.08, -20.00'

S TUCKAWAY BLVD SB

S TUCKAWAY BLVD NB

R/L S TUCKAWAY BLVD SB

R/L S TUCKAWAY BLVD NB

MATCH EXISTING STA 7+96.74

STA 145+54.40, 44.00' R=27'

STA 9+46.91, 20.00'

MATCH EXISTING 7+98.00

142+00 143+00 144+00 145+00 146+00 147+00

11+00 10+00 9+00 8+00

17' 14' 20' 13'

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE, S 34TH & HIDDEN DR	SHEET 56 E

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

NOTES:

1) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

N

2

153+50.00 MATCH LINE

147+70.00 MATCH LINE

STA 147+97.94, -43.00' R=10'

STA 148+23.09, -26.60' R=10'

STA 147+97.94, 43.00' R=10'

STA 148+23.09, 26.60' R=10'

STA 152+63.50, -26.60' R=10'

STA 152+88.65, -43.00' R=10'

STA 152+63.50, 26.60' R=10'

STA 152+88.65, 43.00' R=10'

9' (TYP)

5' (TYP)

17.6' (TYP)

4' (TYP)

CAUTION

R/L W EDGERTON AVE

REMOVING CURB HEAD SEE CONSTRUCTION DETAIL

W EDGERTON AVE

148+00 149+00 150+00 151+00 152+00 153+00

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE	SHEET 57 E

2

2

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.

2) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

N

159+30.00 MATCH LINE

153+50.00 MATCH LINE

MATCH EXISTING
STA 11+60.00

MATCH EXISTING
STA 9+33.00

R/L S 31ST STREET

R/L W EDGERTON AVE

S 31ST ST

W EDGERTON AVE

STA 155+65.79,
-44.00'
R=27'

STA 10+51.53,
11.00'

STA 156+41.94,
-44.00'
R=27'

STA 9+50.37,
-13.00'

STA 9+51.62,
13.00'

STA 155+65.37,
44.00'
R=27'

STA 156+41.38,
44.00'
R=27'

11'

13'

5' (TYP)

9' (TYP)

17'

154+00 155+00 156+00 157+00 158+00 159+00

10+00 9+00 8+00

CAUTION

AP30 CM05 CM07 CG44 DR03 DR06

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE & S 31ST ST	SHEET 58	E

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.

2) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

LEGEND

- (AG01) BASE AGGREGATE DENSE 3/4-INCH
- (AP30) 1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
- (CG44) CONCRETE CURB & GUTTER 31-INCH TYPE D
- (CG46) CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
- (CM05) CONCRETE SIDEWALK 5-INCH
- (CM07) CONCRETE SIDEWALK 4-INCH
- (CP23) CONCRETE PAVEMENT 7-INCH (DOWELED)
- (DR03) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
- (DR04) AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
- (DR06) CONCRETE DRIVEWAY 7-INCH

N

2

2

165+10.00 MATCH LINE

159+30.00 MATCH LINE

12+00

11+00

10+00

9+00

S 30TH ST

R/L S 30TH STREET

MATCH EXISTING
STA 10+90.00

MATCH EXISTING
STA 9+33.00

W EDGERTON AVE

R/L W EDGERTON AVE

160+00

161+00

162+00

163+00

164+00

165+00

5+00

11'

17'

5' (TYP)

9' (TYP)

CAUTION

STA 159+87.74,
-44.00'
R=27'

STA 10+56.40,
-11.00'

STA 10+51.82,
11.00'

STA 160+63.87,
-44.00'
R=27'

STA 164+93.85,
-44.00'
R=27'

STA 159+89.68,
44.00'
R=27'

STA 9+45.36,
-11.00'

STA 9+46.63,
11.00'

STA 160+65.69,
44.00'
R=27'

AP30 CG44 CM05 CM07 DR03 DR04 DR06

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE & S 30TH STREET	SHEET 59 E

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.

2) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS.

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG46	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
CP23	CONCRETE PAVEMENT 7-INCH (DOWELED)
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

N

R/L S FD DR

MATCH EXISTING
STA 5+54.73

CAUTION

STA 165+69.85,
-44.00'
R=27'

11'

11'

5' (TYP)

9' (TYP)

R/L EA CROWN AT 27TH

STA 168+06.75,
-49.48'

STA 168+06.67,
-44.63'

STA 168+06.38,
-43.65'

STA 168+00.88,
-43.65'

STA 167+47.51,
-28.00'

STA 167+74.25,
-32.32'

STA 167+48.38,
-17.00'

STA 168+02.38,
-25.49'

STA 168+00.92,
-23.95'

W EDGERTON AVE

25.49'

17'

165+00

166+00

167+00

168+00

168+88

5+00

S 27TH ST

CMM

STA 166+51.28,
17.00'

STA 167+15.80,
22.46'

22.46'

1.54'

14.6'

END PROJECT
STA 168+00.89

R/L W EDGERTON AVE

STA 166+54.47,
28.31'

STA 167+88.63,
39.65'

STA 168+05.48,
39.65'

STA 165+68.91,
44.00'
R=27'

STA 9+45.40,
12.00'

STA 9+46.00,
-12.00'

STA 166+46.91,
44.60'
R=27'

CAUTION

STA 168+05.48,
44.65'

S TUCKAWAY DR

9+00

12'

12'

MATCH EXISTING
STA 8+85.00

165+10.00 MATCH LINE

R/L S TUCKAWAY DR

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: W EDGERTON AVE & S TUCKAWAY DR	SHEET 60	E

2

LEGEND

AG01	BASE AGGREGATE DENSE 3/4-INCH
AP30	1.75" HMA PAVEMENT 4 LT 58-28 S OVER 3.25" HMA PAVEMENT 3 LT 58-28 S
CG10	CURB RAMP TYPE 2
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D
CG44	CONCRETE CURB & GUTTER 31-INCH TYPE D (REJECT)
CM05	CONCRETE SIDEWALK 5-INCH
CM07	CONCRETE SIDEWALK 4-INCH
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH
DR04	AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 4-INCH
DR06	CONCRETE DRIVEWAY 7-INCH

N

NOTES:

1) RADIUS DIMENSIONS ARE TO THE FLANGE OF CURB.

2) SEE PLAN DETAILS: W EDGERTON AVE, S 35TH ST & HIDDEN DR FOR W EDGERTON AVE AND S. HIDDEN DRIVE PLAN DETAIL INFORMATION.

3) SEE CONSTRUCTION DETAILS FOR CURB RAMP LAYOUTS

W EDGERTON AVE

R/L W EDGERTON AVE

141+00

142+00

143+00

144+00

9+00

S HIDDEN DR

CAUTION

R/L S 35TH ST

STA 10+53.46, -13.00'

2' TYP

DR03

13'

11+00

AP30

12+00

BEGIN CONSTRUCTION
STA 10+00.00

R/L S 35TH ST SERVICE DR BREED
MATCH EXISTING
STA 12+74.80

S 35TH ST

STA 11+94.98, 13.00'

CG44

10'

STA 12+64.98, 13.00'

STA 10+54.57, 13.00'

STA 12+04.98, 28.00' R=15'

STA 12+54.98, 28.00' R=15'

STA 10+44.57, 40.00' R=8.4'

STA 9+75.00, -23.00' R=15'

STA 10+25.00, -24.50' R=15'

S 35TH ST SERVICE DR

MATCH EXISTING
STA 10+44.72

9+00

STA 10+35.00, -9.50'

R/L S 35TH ST SERVICE DR NORTH

STA 9+65.00, -8.00'

BEGIN CONSTRUCTION
STA 10+00.00

R/L S 35TH ST SERVICE DR SOUTH

BEGIN CONSTRUCTION
STA 8+48.05

END CONSTRUCTION
STA 10+00.00

END CONSTRUCTION
STA 10+54.47

DR06

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN DETAILS: S 35TH STREET AND S 35TH STREET SERVICE DR	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\35- S35TH - (1) - (1) - (51).DWG
LAYOUT NAME - SHEET - (4)
PLOT DATE : 10/4/2016 9:21 AM PLOT BY : WALTER A. WOLAK II PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

101+30.00 MATCH LINE

2

2

R/L W EDGERTON AVE

W EDGERTON AVE

BEGIN PROJECT
STA 95+97.59

MATCH EXISTING
STA 8+75.00

R/L S 48TH ST

S 48TH ST

BEGIN CONSTRUCTION
STA 93+26.89

W EDGERTON AVE

R/L W EDGERTON AVE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE & S 48TH STREET	SHEET 62	E

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

2

2

107+10.00 MATCH LINE

101+30.00 MATCH LINE

R/L W EDGERTON AVE

W EDGERTON AVE

770.26

770.05	770.20	770.35	770.50	770.65	770.80	770.92	770.98	770.95	770.85	770.72	770.60	770.47	770.35	770.30	770.46	770.75	771.07	771.40	771.72	772.05	772.28	772.40	772.38
770.39	770.54	770.69	770.84	770.99	771.14	771.26	771.32	771.29	771.19	771.06	770.94	770.81	770.69	770.60	770.64	770.80	771.09	771.41	771.74	772.06	772.39	772.62	772.74	772.72

17'

17'

17'

17'

100	102+00	103+00	104+00	105+00	106+00	107+00

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021210_PG.DWG
LAYOUT NAME - 021210_PG - 021210_PG-2

PLOT DATE : 10/4/2016 9:25 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

2

112+90.00 MATCH LINE

2

R/L W EDGERTON AVE

772.40	772.38	772.27	772.14	772.02	771.92	771.88	771.92	772.02	772.14	772.27	772.27	772.11	771.77	771.27	770.64	770.02	769.39	768.81	768.37	768.06	767.89	767.77	767.64	767.52
107+00				108+00				109+00				110+00				111+00				112+00				113+00
772.74	772.72	772.61	772.48	772.36	772.26	772.22	772.26	772.36	772.48	772.61	772.61	772.45	772.11	771.61	770.98	770.36	769.73	769.15	768.71	768.40	768.23	768.11	767.98	767.86

W EDGERTON AVE

772.40	772.38	772.27	772.14	772.02	771.92	771.88	771.92	772.02	772.14	772.27	772.27	772.11	771.77	771.27	770.64	770.02	769.39	768.81	768.37	768.06	767.89	767.77	767.64	767.52

107+10.00 MATCH LINE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE

SHEET 64 E

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

2

2

118+70.00 MATCH LINE

R/L S 43RD ST

MATCH EXISTING
STA 127+87.23

128+00

S 43RD ST

763.13 763.47 763.13
763.43 763.77 763.43
763.91 764.24 763.90
764.55 764.89 764.55

17' 17'

127+00

765.03

764.99

R/L W EDGERTON AVE

767.64 767.52 767.39 767.27 767.14 767.02 766.89 766.77 766.64 766.52 766.39 766.27 766.37 766.14 766.02 765.93 765.89 765.77 765.64 765.52 765.39 765.27 765.17 765.13 765.17 765.27 765.39

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

17'

767.98 767.86 767.73 767.61 767.48 767.36 767.23 767.11 766.98 766.86 766.73 766.61 766.48 766.36 766.23 766.11 765.98 765.86 765.73 765.61 765.51 765.47 765.51 765.61 765.73

W EDGERTON AVE

766.38

765.94

765.17 765.13 765.39

767.64 767.52 767.39 767.27 767.14 767.02 766.89 766.77 766.64 766.52 766.39 766.27 766.14 766.02 765.89 765.77 765.64 765.52 765.39 765.27 765.17 765.27

765.81 766.09 765.77

765.75 765.75

126+00

17'

765.83 766.17 765.83

17'

766.06 766.40 766.06

S 43RD ST

R/L S 43RD ST

MATCH EXISTING
STA 125+30.75

125+00

112+90.00 MATCH LINE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE & S 43RD STREET	SHEET 65	E

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

MATCH EXISTING
STA 12+25.00

N

124+50.00 MATCH LINE

2

2

R/L S 41ST STREET

S 41ST ST

R/L W EDGERTON AVE

W EDGERTON AVE

S HONEY CREEK DR

R/L S HONEY CREEK DR

MATCH EXISTING
STA 9+51.66

118+70.00 MATCH LINE

12+00 11+00 10+00 9+00

119+00 120+00 121+00 122+00 123+00 124+00

13' 13' 17' 17'

765.53 765.79 765.53 765.78 766.04 765.78 765.93 766.19 765.93 766.05 766.31 766.05 766.18 766.44 766.18 766.30 766.56 766.30 766.43 766.69 766.43 766.46 766.46 766.27 766.50 766.55 766.77 767.06 767.38 767.41 767.82 768.30 768.84 769.45 770.12 770.85 771.65 772.51 773.41 774.30 775.20 776.

765.39 765.52 765.64 765.77 765.89 766.02 766.14 766.27 766.21 765.76 765.76 765.76 766.27 766.39 766.55 766.77 767.06 767.41 767.82 768.30 768.84 769.45 770.12 770.85 771.65 772.51 773.41 774.30 775.20 776.

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE, HONEY CREEK DR & S 41ST ST	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021210_PG.DWG
LAYOUT NAME - 021210_PG - 021210_PG-5
PLOT DATE : 10/4/2016 9:25 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

2

2

MATCH EXISTING
STA 11+50.00

R/L S 40TH STREET

11+00

S 40TH ST

R/L W EDGERTON AVE

9' (TYP)

130+30.00 MATCH LINE

778.17 778.15

775.20 776.09 776.99 777.88 778.77 779.67 781.46 782.35 783.25 784.12 784.94 785.72 786.44 787.12 787.75 788.87 789.36 789.79 790.18 790.53 790.82 791.07 791.27

777.45 780.32 780.56 788.33

125+00 126+00 127+00 128+00 129+00 130+00

17'

775.54 776.43 777.32 778.22 779.12 780.01 780.90 781.80 782.69 783.59 784.46 785.28 786.06 786.78 787.46 788.09 788.67 789.21 789.70 790.13 790.52 790.87 791.16 791.41 791.61

781.46 786.66 788.34 788.38

W EDGERTON AVE

775.20 776.09 776.99 777.88 778.78 779.67 780.57 782.35 783.25 784.12 784.94 785.72 786.44 787.12 787.75 788.87 789.36 789.79 790.18 790.53 790.82 791.07 791.27

787.96 787.96

MATCH EXISTING
STA 9+42.00

7.5' 7.5'

9+00

R/L S MALLARD CIRCLE

S MALLARD CIRCLE

124+50.00 MATCH LINE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE, S 40TH ST & S MALLARD CIR	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021210_PG.DWG
LAYOUT NAME - 021210_PG - 021210_PG-6

PLOT DATE : 10/4/2016 9:25 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

2

2

136+10.00 MATCH LINE

R/L S 37TH STREET

MATCH EXISTING
STA 11+10.00

S 37TH ST

11+00

789.14 789.40 789.14

789.42 789.68 789.42

13' 13'

789.58 789.84 789.58

789.61

789.60

R/L W EDGERTON AVE

791.07 791.27 791.42 791.54 791.67 791.79 791.88 791.82 791.63 791.30 790.92 790.59 790.34 790.17 790.09 790.09 790.17 790.26 790.30 790.45 790.70 791.05 791.49 791.97 792.44 792.91

790.07

17'

0 131+00 132+00 133+00 134+00 135+00 136+00

791.41 791.61 791.76 791.88 792.01 792.13 792.22 792.16 791.97 791.64 791.26 790.93 790.68 790.51 790.43 790.48 790.51 790.64 790.79 791.04 791.39 791.83 792.31 792.78 793.25

W EDGERTON AVE

790.30 791.05 791.09 792.66

791.07 791.27 791.42 791.54 791.67 791.79 791.88 791.82 791.63 791.30 790.92 790.59 790.34 790.17 790.09 790.09 790.17 790.45 790.70 791.49 791.97 792.44 792.91

791.64 791.64

791.67 792.01 792.22 792.52 792.23

R/L S 37TH STREET

792.71 793.02 792.72

15' 9+00 15'

MATCH EXISTING
STA 8+83.00

S 37TH ST

130+30.00 MATCH LINE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE & S 37TH STREET	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021210_PG.DWG
LAYOUT NAME - 021210_PG - 021210_PG-7

PLOT DATE : 10/4/2016 9:25 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" = 40'_XREF

WISDOT/CADDS SHEET 42

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

2

2

R/L S 36TH STREET

MATCH EXISTING STA 10+60.00

11+00

S 36TH ST

13'

13'

R/L W EDGERTON AVE

141+90.00 MATCH LINE

136+00 137+00 138+00 139+00 140+00 141+00 142+00

792.44 792.91 793.39 793.86 794.24 794.48 794.60 794.57 794.42 794.13 793.70 793.15 792.55 791.95 790.77 790.22 789.72 789.25 788.79 788.33 787.91 787.57 787.33

792.12 791.80 792.07 791.80 791.93 791.87 791.36 786.66 787.03

792.66 792.44 792.91 793.39 793.86 794.24 794.48 794.60 794.57 794.42 794.13 793.70 793.15 792.55 791.95 791.36 790.77 790.22 789.72 789.25 788.79 788.33 787.91 787.57 787.33 787.27 787.17

791.64 786.74

W EDGERTON AVE

17'

17'

786.94

787.28

136+10.00 MATCH LINE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE & S 36TH STREET	SHEET 69	E

NOTES:

1) SEE PAVING GRADES: S 35TH STREET FOR S 35TH STREET, AND SERVICE ROAD FOR ADDITIONAL GRADES.

2) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

2

2

147+70.00 MATCH LINE

141+90.00 MATCH LINE

R/L S 35TH ST SERVICE DR SOUTH

R/L S 35TH ST

R/L W EDGERTON AVE

R/L S 34TH STREET

MATCH EXISTING
STA 11+20.00

MATCH EXISTING
STA 8+83.00

R/L S HIDDEN DR

R/L S TUCKAWAY BLVD SB

R/L S TUCKAWAY BLVD NB

MATCH EXISTING
STA 7+96.74

MATCH EXISTING
7+98.00

S 35TH ST SERVICE DR

S 35TH ST

S 34TH ST

W EDGERTON AVE

S HIDDEN DR

S TUCKAWAY BLVD SB

S TUCKAWAY BLVD NB

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE, S 34TH & HIDDEN DR	SHEET 70	E

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

153+50.00 MATCH LINE

147+70.00 MATCH LINE

R/L W EDGERTON AVE

W EDGERTON AVE

17'

148+00 149+00 150+00 151+00 152+00 153+00

78.08 777.91 777.73 777.56 777.38 777.21 777.03 776.86 776.68 776.51 776.33 776.22 776.18 776.23 776.35 776.48 776.60 776.73 776.85 776.98 777.10 777.23 777.35 777.44 777.43

78.42 778.25 778.07 777.90 777.72 777.55 777.37 777.20 777.02 776.85 776.67 776.56 776.52 776.57 776.69 776.82 776.94 777.07 777.19 777.32 777.44 777.57 777.69 777.78 777.77

78.08 777.91 777.73 777.56 777.38 777.21 777.03 776.86 776.68 776.51 776.33 776.22 776.18 776.23 776.35 776.48 776.60 776.73 776.85 776.98 777.10 777.23 777.35 777.44 777.43

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\021210_PG.DWG
LAYOUT NAME - 021210_PG - 021210_PG-10
PLOT DATE : 10/4/2016 9:25 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" = 40'_XREF
WISDOT/CADDS SHEET 42

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

2

2

159+30.00 MATCH LINE

153+50.00 MATCH LINE

MATCH EXISTING
STA 11+60.00

MATCH EXISTING
STA 9+33.00

R/L S 31ST STREET

R/L W EDGERTON AVE

W EDGERTON AVE

S 31ST ST

11+00

10+00

9+00

8+00

154+00 155+00 156+00 157+00 158+00 159+00

776.30 776.45 776.22 776.05 776.24 776.01 775.71 775.93 775.71 775.30 775.53 775.31 775.14 774.91 774.92 775.02 774.85 774.68 775.44 776.35 772.48 774.70 774.91 774.65 772.49

11' 11' 13' 13' 17' 17'

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

2

2

165+10.00 MATCH LINE

12+00

S 30TH ST

R/L S 30TH STREET

MATCH EXISTING
STA 10+90.00

11+00

772.01 11' 772.23 11' 772.01

771.56 771.59 771.91 771.59 771.51

R/L W EDGERTON AVE

9' (TYP)

777.38 11'

778.57

772.23 772.10 771.98 771.85 771.92 771.73 771.65 771.67 771.72 771.93 772.29 772.79 773.32 773.84 774.37 774.89 775.42 775.94 776.47 776.99 17' 777.51 777.94 778.26 778.47 778.57 778.56 778.46

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

10+00

5+00

772.57 772.44 772.32 772.19 772.07 771.99 772.06 772.27 772.63 773.13 773.66 774.18 774.71 775.23 775.76 776.28 776.81 777.33 17' 777.85 778.28 778.60 778.81 778.91 778.90 778.88

W EDGERTON AVE

772.23 772.10 771.98 771.85 771.83 771.73 771.65 771.67 771.72 771.93 772.29 772.79 773.32 773.84 774.37 774.89 775.42 775.94 776.47 776.99 777.51 777.94 778.26 778.47 778.57 778.56 778.46

771.38 771.38 771.60 771.38 771.39

S 30TH ST

11' 11'

MATCH EXISTING
STA 9+33.00

9+00

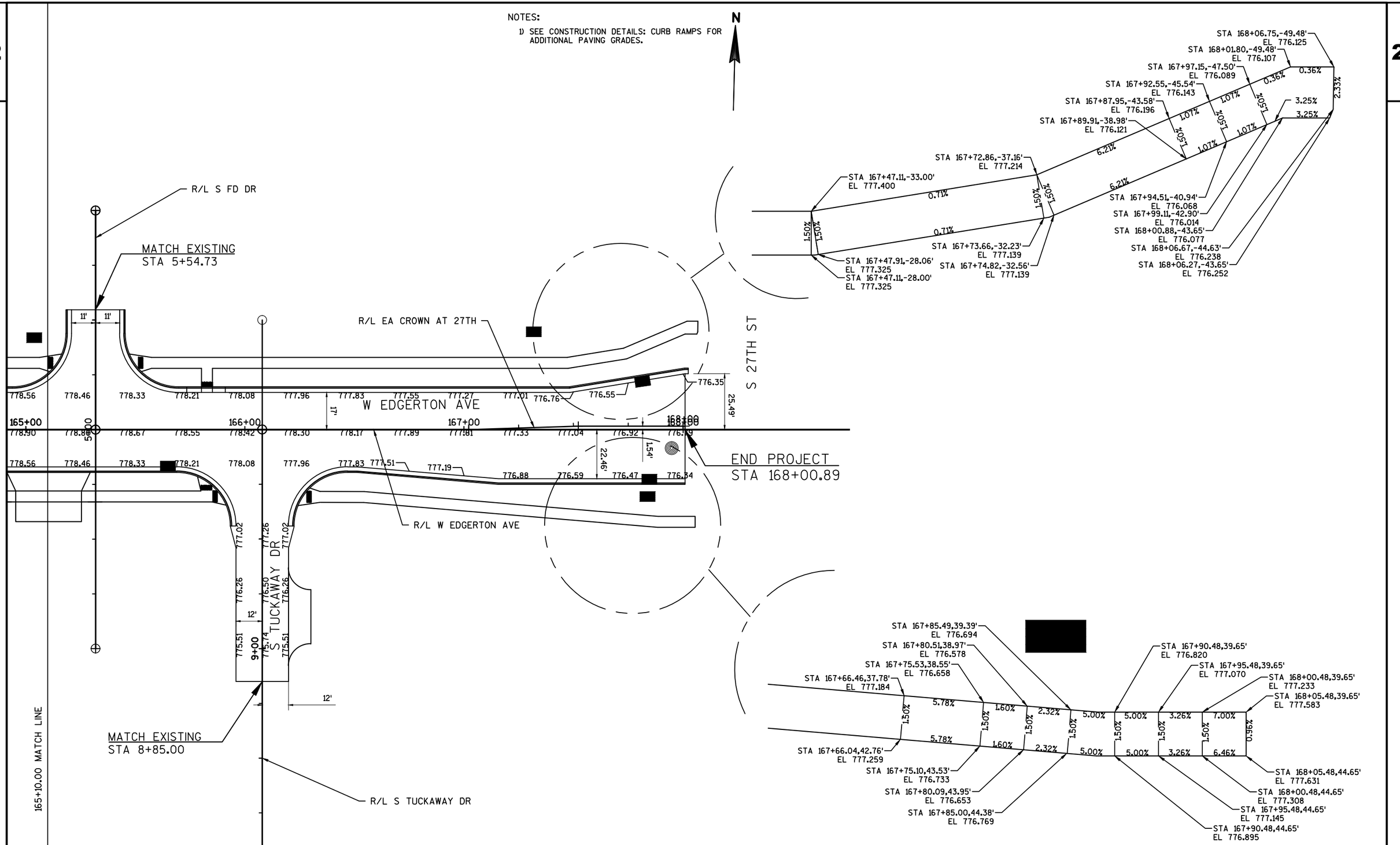
R/L S 30TH STREET

159+30.00 MATCH LINE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE & S 30TH STREET	SHEET 73	E

NOTES:

1) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: W EDGERTON AVE & S TUCKAWAY DR	SHEET 74 E

NOTES:

1) SEE PAVING GRADES: W EDGERTON AVE, S 34TH & HIDDEN DR FOR ADDITIONAL GRADES.

2) SEE CONSTRUCTION DETAILS: CURB RAMPS FOR ADDITIONAL PAVING GRADES.

N

W EDGERTON AVE

R/L W EDGERTON AVE

R/L S 35TH ST

BEGIN CONSTRUCTION
STA 10+00.00

MATCH EXISTING
STA 12+74.80

S HIDDEN DR

S 35TH ST

S 35TH ST SERVICE DR

R/L S 35TH ST SERVICE DR BREED

MATCH EXISTING
STA 10+44.72

R/L S 35TH ST
SERVICE DR NORTH

BEGIN CONSTRUCTION
STA 10+00.00

R/L S 35TH ST
SERVICE DR SOUTH

BEGIN CONSTRUCTION
STA 8+48.05

END CONSTRUCTION
STA 10+00.00

END CONSTRUCTION
STA 10+54.47

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PAVING GRADES: S 35TH STREET AND S 35TH STREET SERVICE DR	SHEET 75 E

2

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- (S) SOD APRON
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

MATCHLINE STA 95+50

MATCHLINE STA 103+00

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

W EDGERTON AVE

BEGIN PROJECT
STA 95+97.59

S 48TH ST

R/W

TLE

PLE

A

A,C

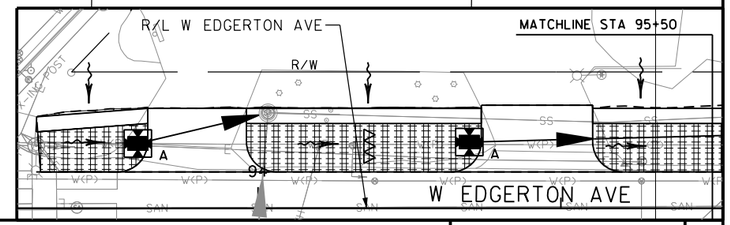
A,D

96

98

100

102



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	EROSION CONTROL PLAN	SHEET 76	E

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- (S) SOD APRON
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

MATCHLINE STA 103+00

MATCHLINE STA 110+50

SLOPE INTERCEPT (TYP)

SLOPE INTERCEPT (TYP)

TLE

PLE

R/W

FLAG

104

106

108

110

A,C

W EDGERTON AVE

2

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	EROSION CONTROL PLAN	SHEET 77	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022002_ec.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- (S) SOD APRON
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

MATCHLINE STA 110+50

MATCHLINE STA 118+00

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

W EDGERTON AVE

S 43RD ST

TLE

PLE

R/W

112

114

116

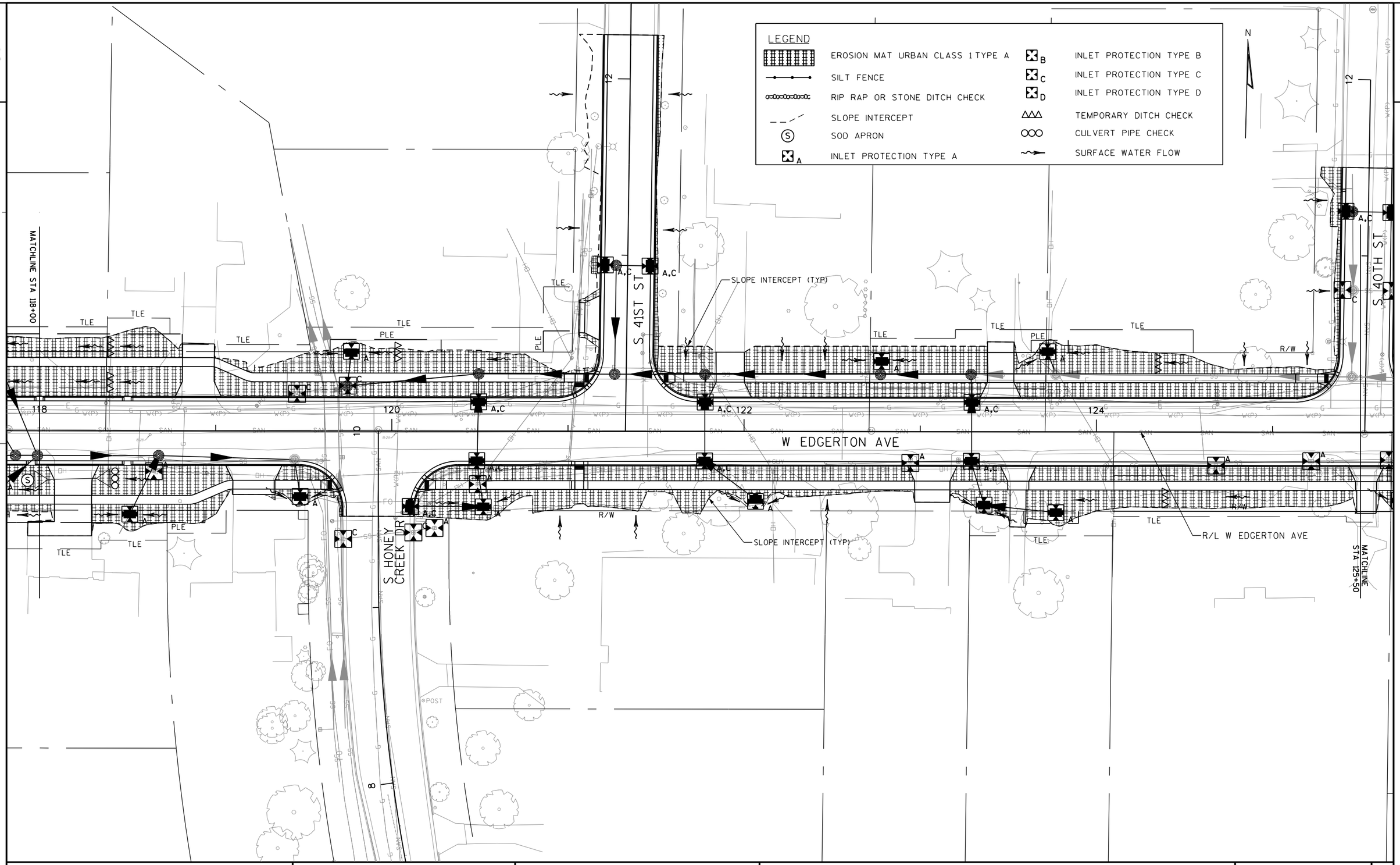
118

126

124

128

N



2

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	EROSION CONTROL PLAN	SHEET 79 E

2

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- (S) SOD APRON
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

S 40TH ST

W EDGERTON AVE

S MALLARD CIRCLE

R/L W EDGERTON AVE

MATCHLINE STA 125+50

MATCHLINE STA 133+00

TLE

PLE

R/W

SLOPE INTERCEPT (TYP)

A,C

128

130

132

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	EROSION CONTROL PLAN	SHEET 80	E

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- (S) SOD APRON
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

MATCHLINE STA 133+00

MATCHLINE STA 140+50

S 37TH ST

S 36TH ST

W EDGERTON AVE

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

R/W

TLE

PLE

A,C

A

POST

11

10

9

8

12

134

136

138

140

N

2

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	EROSION CONTROL PLAN	SHEET 81	E

NOTES:

1) SEE EROSION CONTROL PLAN DRAINAGE SWALE & S 35TH STREET FOR ADDITIONAL EROSION CONTROL.

LEGEND

- EROSION MAT URBAN CLASS I TYPE A
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- (S) SOD APRON
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

MATCHLINE STA 140+50

MATCHLINE STA 148+00

S 35TH ST

S 34TH ST

S HIDDEN DR

TUCKAWAY BLVD

W EDGERTON AVE

R/L W EDGERTON AVE

DRAINAGE DEPRESSIONAL AREA

SLOPE INTERCEPT (TYP)

TLE

R/W

142

144

146

148

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	EROSION CONTROL PLAN	SHEET 82	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022007_ec.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

2

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- (S) SOD APRON
- A INLET PROTECTION TYPE A
- B INLET PROTECTION TYPE B
- C INLET PROTECTION TYPE C
- D INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

MATCHLINE STA 148+00

MATCHLINE STA 155+50

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

W EDGERTON AVE

R/W

TLE

PLE

148

150

152

154

A

A,C

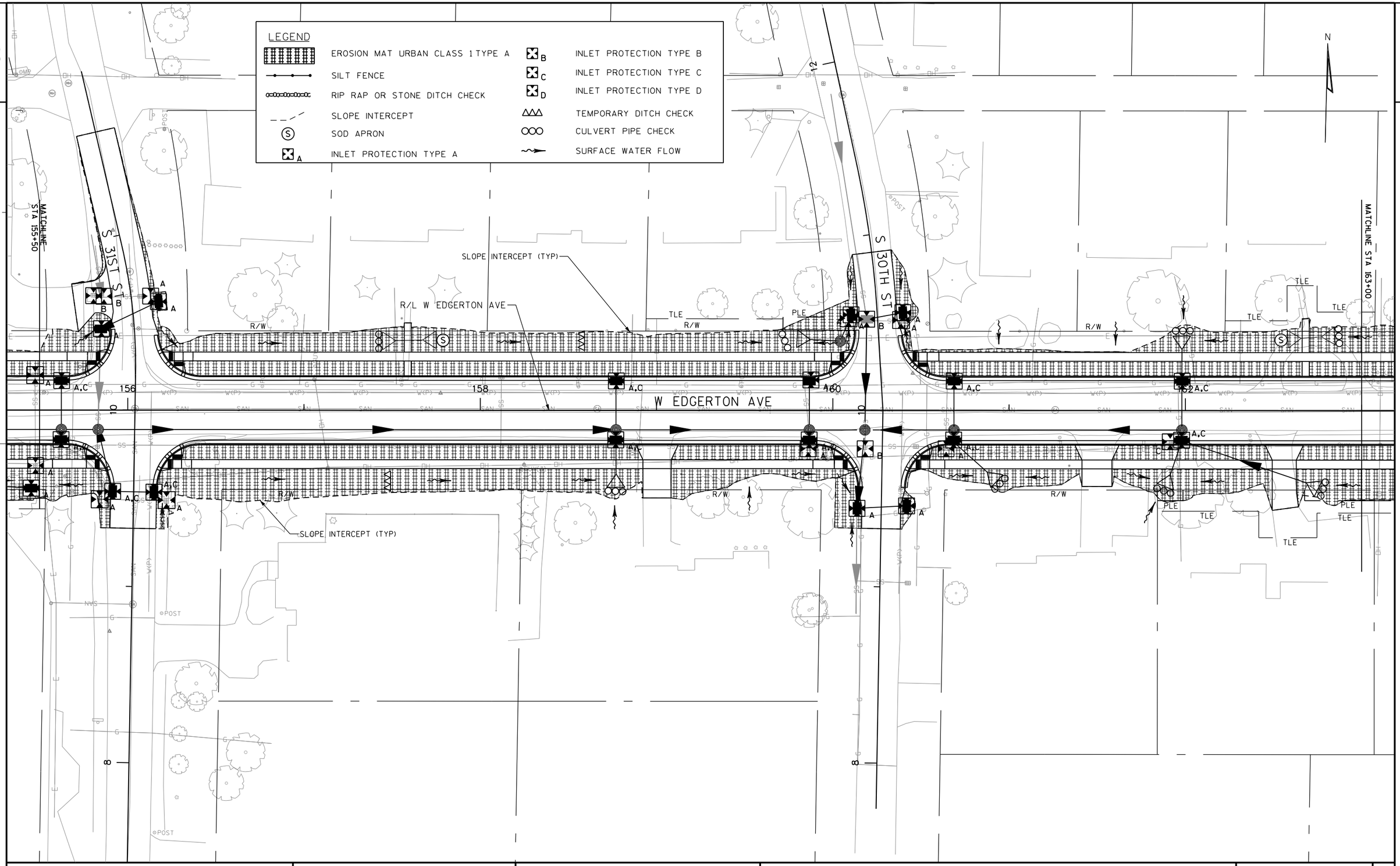
SLOPE INTERCEPT (TYP)

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	EROSION CONTROL PLAN	SHEET 83	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022008_ec.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- SOD APRON
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	EROSION CONTROL PLAN	SHEET 84	E

LEGEND

- EROSION MAT URBAN CLASS 1 TYPE A
- SILT FENCE
- RIP RAP OR STONE DITCH CHECK
- SLOPE INTERCEPT
- SOD APRON
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE B
- INLET PROTECTION TYPE C
- INLET PROTECTION TYPE D
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

MATCHLINE STA 163+00

SLOPE INTERCEPT (TYP)

FD DRIVE

W EDGERTON AVE

S TUCKAWAY DR

S 27TH ST

END PROJECT
STA 168+00.89

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

R/W

TLE

PLE

164

166

168

A

B

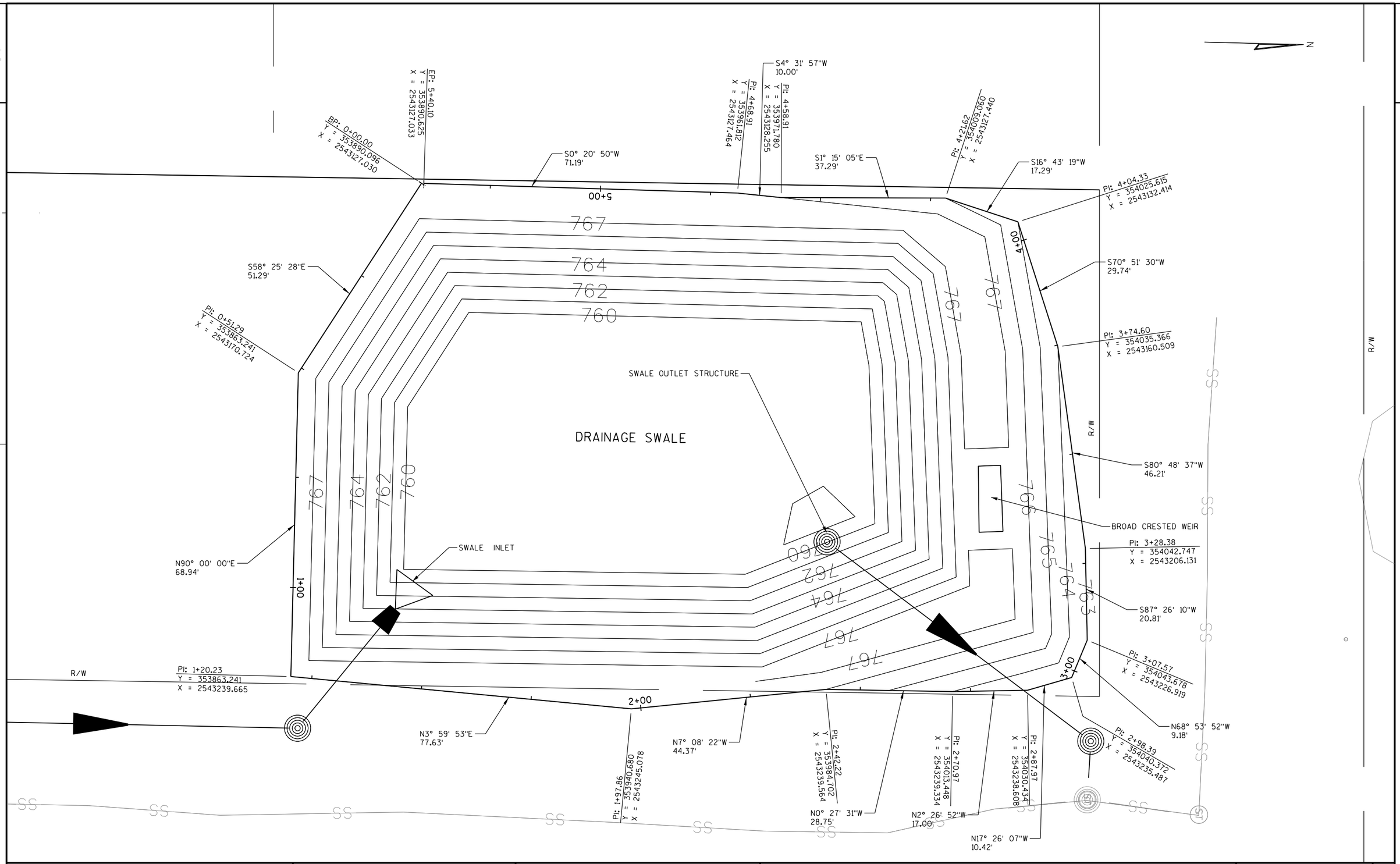
C

N

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	EROSION CONTROL PLAN DRAINAGE SWALE & S 35TH STREET	SHEET 86	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022011_ec.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

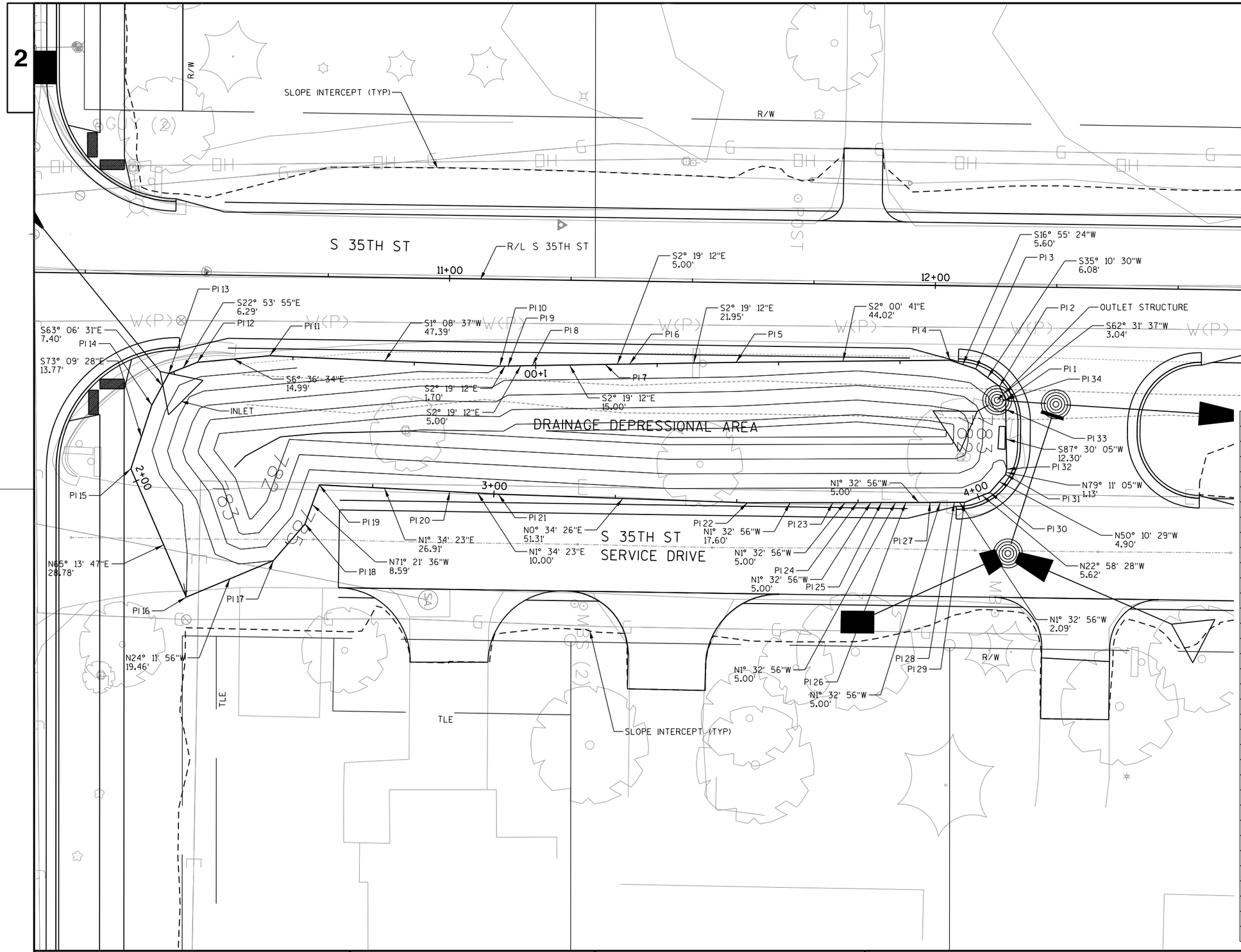
WISDOT/CADDS SHEET 41



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	POND DETAILS - DRAINAGE SWALE (LOT 20)	SHEET 87	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022500_SS.dgn PLOT DATE : 10/31/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 41



PI NUMBER	PI STATION	Y DIRECTION	X DIRECTION
1	BP: 0+00.00	Y = 353918.866	X = 2546475.570
2	PI: 0+03.04	Y = 353917.464	X = 2546472.873
3	PI: 0+09.12	Y = 353912.495	X = 2546469.372
4	PI: 0+14.72	Y = 353907.133	X = 2546467.740
5	PI: 0+58.74	Y = 353863.143	X = 2546469.285
6	PI: 0+80.69	Y = 353841.215	X = 2546470.174
7	PI: 0+85.69	Y = 353836.219	X = 2546470.376
8	PI: 1+00.69	Y = 353821.231	X = 2546470.983
9	PI: 1+05.69	Y = 353816.235	X = 2546471.186
10	PI: 1+07.39	Y = 353814.535	X = 2546471.255
11	PI: 1+54.77	Y = 353767.157	X = 2546470.309
12	PI: 1+69.77	Y = 353752.263	X = 2546472.035
13	PI: 1+76.06	Y = 353746.465	X = 2546474.484
14	PI: 1+83.46	Y = 353743.118	X = 2546481.084
15	PI: 1+97.23	Y = 353739.129	X = 2546494.261
16	PI: 2+26.01	Y = 353751.188	X = 2546520.395
17	PI: 2+45.47	Y = 353768.936	X = 2546512.419
18	PI: 2+55.42	Y = 353775.252	X = 2546504.736
19	PI: 2+64.01	Y = 353777.997	X = 2546496.596
20	PI: 2+90.91	Y = 353804.893	X = 2546497.334
21	PI: 3+00.91	Y = 353814.889	X = 2546497.609
22	PI: 3+52.22	Y = 353866.195	X = 2546498.123
23	PI: 3+69.82	Y = 353883.789	X = 2546497.647
24	PI: 3+74.82	Y = 353888.787	X = 2546497.512
25	PI: 3+79.82	Y = 353893.785	X = 2546497.377
26	PI: 3+84.82	Y = 353898.783	X = 2546497.242
27	PI: 3+89.82	Y = 353903.782	X = 2546497.106
28	PI: 3+94.82	Y = 353908.780	X = 2546496.971
29	PI: 3+96.92	Y = 353910.874	X = 2546496.915
30	PI: 4+02.54	Y = 353916.052	X = 2546494.720
31	PI: 4+07.44	Y = 353919.190	X = 2546490.957
32	PI: 4+08.57	Y = 353919.402	X = 2546489.845
33	PI: 4+20.87	Y = 353918.866	X = 2546477.560
34	EP: 4+22.83	Y = 353918.866	X = 2546477.560

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	POND DETAILS - DRAINAGE DEPRESSIONAL AREA (35TH STREET)	SHEET 88 E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022500A_SS.dgn PLOT DATE : 10/31/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 41

2

GENERAL DRAINAGE NOTES

LOCATION OF STRUCTURES IN CURB AND GUTTER REFER TO CURB AND GUTTER FLOW LINE. LOCATION OF STRUCTURES NOT IN CURB AND GUTTER SECTION REFER TO CENTER OF STRUCTURE OR AS NOTED ON PLAN.

RIM ELEVATIONS ARE GIVEN AT FLOW LINE OF INLET OR AT CENTER OF MANHOLE. SEE STRUCTURE LOCATION DETAIL.

ADJUSTMENT RINGS MAY BE USED TO A COMBINED MAXIMUM THICKNESS OF 6-INCHES.

PLAN LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE AND IS USED FOR ESTIMATING. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE AND IS USED TO COMPUTE PIPE SLOPE.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES AND PIPES SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER TO FIT EXISTING FIELD CONDITIONS.

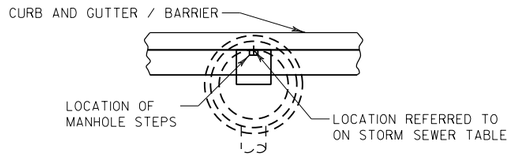
UTILITY INFORMATION SHOWN ON THE PLANS IS APPROXIMATE. LOCATIONS SHOWN ARE TAKEN FROM EXISTING RECORDS AND BEST INFORMATION AVAILABLE FROM EXISTING PLANS. IT IS EXPECTED THAT THERE MAY BE DISCREPANCIES AND OMISSIONS IN THE LOCATION OF UTILITIES AND STRUCTURES SHOWN. VERIFY ALL LOCATIONS IN THE FIELD.

COORDINATE WITH DIGGERS HOTLINE TO FIELD LOCATE UTILITIES. IF SHEETING IS USED, SHEETING SHALL NOT GO THROUGH UTILITIES. ANY UTILITIES DAMAGED DUE TO CONTRACTOR ACTIVITIES SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE TO THE COMPLETE SATISFACTION OF THE UTILITY FACILITY.

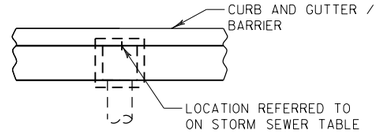
VERIFY THE EXISTING STORM SEWER SYSTEM CONNECTION LOCATIONS AND ELEVATIONS PRIOR TO ORDERING DRAINAGE STRUCTURES AND PIPES. NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM THE INFORMATION SHOWN ON THE PLANS PRIOR TO INSTALLING THE PROPOSED STORM SEWER.

PROVIDE TEMPORARY POSITIVE DRAINAGE THROUGHOUT THE PROJECT DURING ALL PROJECT STAGES. PROVIDING TEMPORARY POSITIVE DRAINAGE IS INCIDENTAL TO CONSTRUCTION.

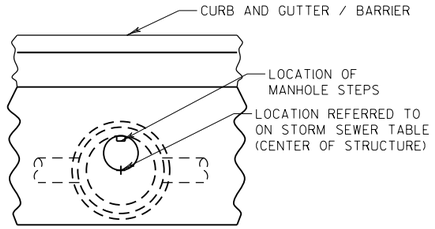
SUPPORTING UTILITIES DURING STORM SEWER CONSTRUCTION IS INCIDENTAL TO STORM SEWER PIPE AND/OR STORM SEWER STRUCTURE.



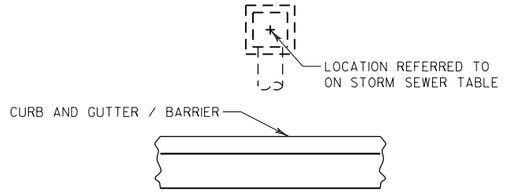
MANHOLE WITH INLET COVER IN CURB AND GUTTER



INLET IN CURB AND GUTTER



MANHOLE NOT IN CURB AND GUTTER



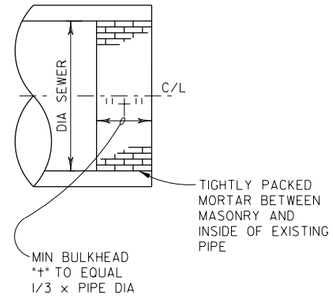
INLET NOT IN CURB AND GUTTER

STRUCTURE LOCATION DETAIL

NOTE
1) LOCATION OF STRUCTURE MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
2) LOCATION AND SIZE OF STRUCTURE COVER OPENING DEPENDS ON TYPE OF CASTING. CASTING TYPES ARE SHOWN ON THE STORM SEWER TABLE.

STORM SEWER LEGEND

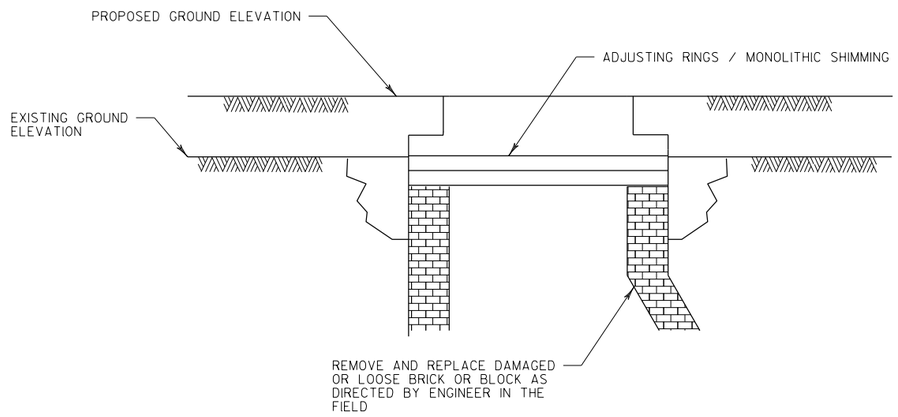
- E### EXISTING STRUCTURE
- ### PROPOSED DRAINAGE STRUCTURE
- PROPOSED MANHOLE
- PROPOSED INLET
- PROPOSED ENDWALL



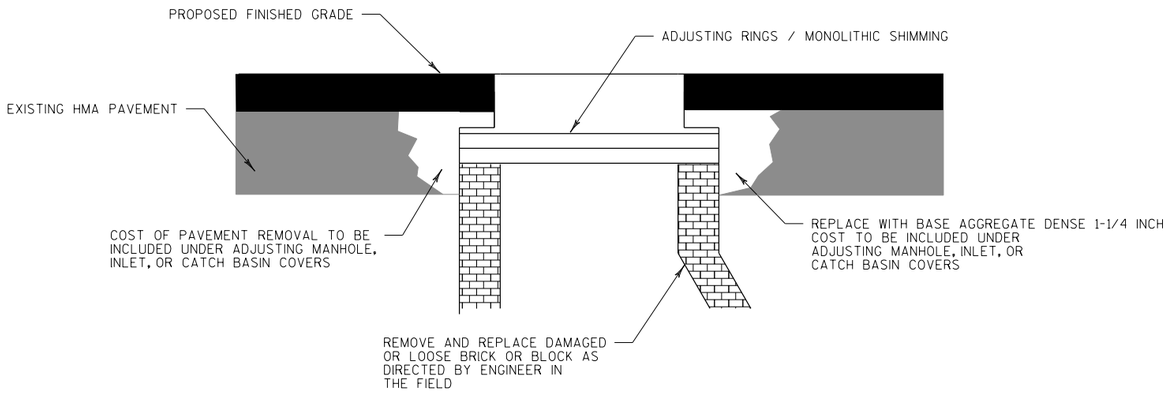
BULKHEAD PIPE MASONRY

ITEM TO BE PAID FOR UNDER ITEM "SEALING PIPES"

PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER CONSTRUCTION DETAILS	SHEET 89	E



NON-PAVED LOCATION



PAVED LOCATION

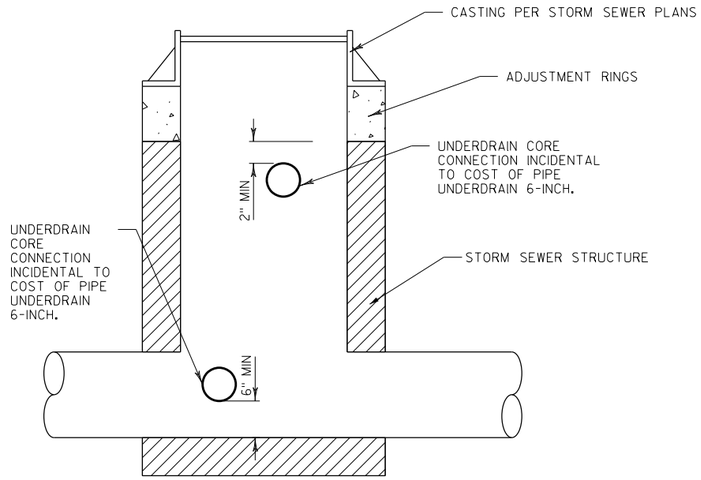
NOTES:
1) IF EXISTING PAVEMENT REMOVAL IS NOT SHOWN IN THE REMOVAL PLANS AND A SAWCUT IS REQUIRED THE SAWCUT IS CONSIDERED INCIDENTAL TO ADJUSTING MANHOLE OR INLET COVERS.

2) ADJUST CHIMNEY WITH PROPER SIZE CONCRETE ADJUSTING RINGS (SIZE OF OPENING OF CONCRETE ADJUSTING RING TO BE DETERMINED BY SIZE OF OPENING IN FRAME) OR MONOLITHIC CONCRETE SHIMMING AND REINSTALL EXISTING FRAME AND LID TO FINISHED GRADE. BACKFILL AND OTHER WORK TO BE DONE IN ACCORDANCE WITH ITEM ADJUSTING INLET COVERS.

3) SET COVERS TO FINAL SURFACE GRADE PRIOR TO PLACEMENT OF LOWER HMA LAYER AND RAMP UNTIL FINAL SURFACE IS PLACED.

4) IF INLETS AND MANHOLES ARE NOT RECONSTRUCTED THE SAME DAY AS THE EXISTING INLET OR MANHOLE COVER IS REMOVED, A TEMPORARY COVER PLATE SHALL BE INSTALLED. TEMPORARY COVER PLATES ARE INCIDENTAL TO THE ADJUSTING INLET AND MANHOLE COVER BID ITEMS.

ADJUSTING MANHOLE OR INLET COVERS



SECTION A-A

MINIMUM AND MAXIMUM CORED PIPE UNDERDRAIN 6-INCH UNDERDRAIN CORE LOCATIONS WITH CROSSPIPE.

NOTES

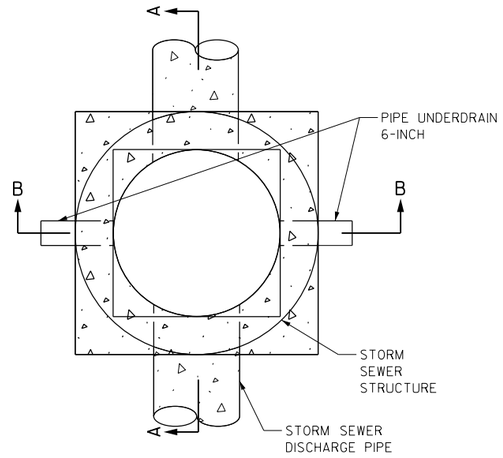
(1) BOTTOM OF CORE PLACED A MINIMUM OF 6" ABOVE THE INVERT OF THE REINFORCED CONCRETE STORM SEWER PIPE.

(2) TOP OF CORE HOLES WILL BE A MINIMUM OF 2" BELOW THE TOP OF THE INLET STRUCTURES (BOTTOM OF RINGS)

(3) PIPE UNDERDRAIN 6-INCH SHALL NOT BE ALLOWED IN THE RING OF THE STRUCTURE OF INLETS OR SEWER ACCESS STRUCTURES.

(4) CORE HOLES SHALL PROVIDE FOR A MINIMUM OF 2" OF CONCRETE BETWEEN THE CUTOUT FOR A CONCRETE PIPE AND THE EDGE OF THE CORE HOLE.

(5) CORE HOLES MAY HAVE 0" CLEARANCE FROM THE INSIDE WALL OF A STRUCTURE.



PLAN VIEW

NOTES

1. CONNECTIONS TO INLETS OR MANHOLES SHALL EXTEND PIPE UNDERDRAIN 6-INCH TO THE INSIDE WALL OF STORM SEWER STRUCTURE.

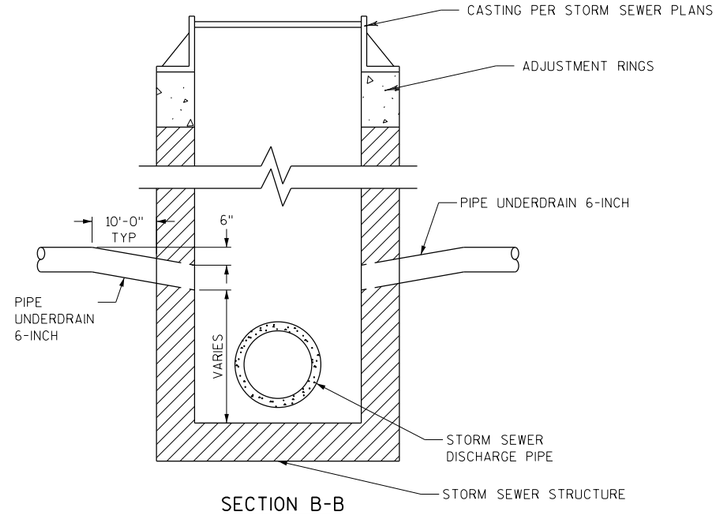
2. PROVIDE UNDERDRAIN PIPE CORED HOLES AT OR BETWEEN ELEVATIONS SHOWN IN SECTION A-A.

3. SEE STORM SEWER PLANS FOR PIPE UNDERDRAIN LOCATIONS.

4. PROVIDE POSITIVE DRAINAGE (0.5% MINIMUM GRADE) THROUGH PIPE UNDERDRAIN 6-INCH AND CORE INTO STORM SEWER STRUCTURE.

5. WHEN INLET DEPTH IS SHALLOW, PIPE UNDERDRAIN 6-INCH MAY BE PLACED AT A DEPTH TO PROVIDE POSITIVE DRAINAGE TO BE COORDINATED WITH ENGINEER IN FIELD.

6. ATTACHMENT OF PIPE UNDERDRAIN 6-INCH SPECIAL TO REAR OF INLET IS SATISFACTORY IF REINFORCED CONCRETE STORM SEWER PIPE SIZE RESTRICTS SPACE FOR UNDERDRAIN CORE.



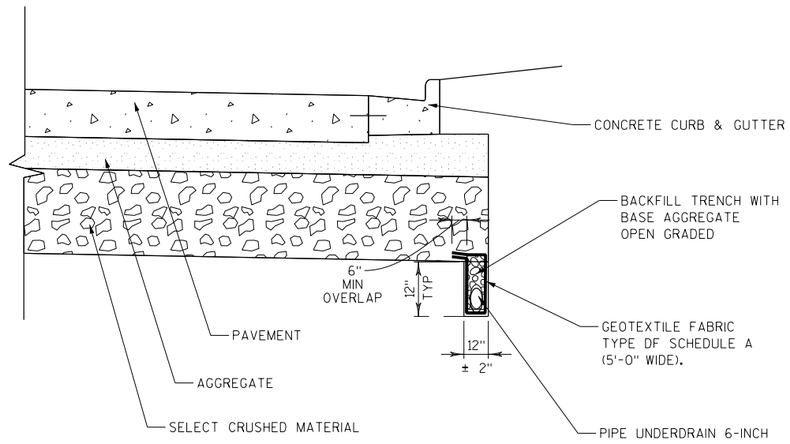
SECTION B-B

TYPICAL INLET CONFIGURATION WITH UNDERDRAIN CORED INTO WALL

NOTE

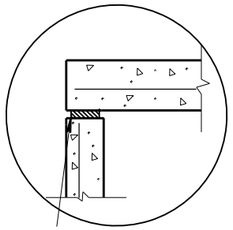
(1) TYPICAL ELEVATION OF PIPE UNDERDRAIN 6-INCH SHALL BE PLACED BELOW THE SELECT CRUSHED MATERIAL.

PIPE UNDERDRAIN 6-INCH OUTFALL AT INLET/MANHOLE (ROUND OR SQUARE)

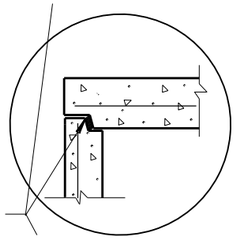


PIPE UNDERDRAIN 6-INCH TRENCH DETAIL - CURB AND GUTTER SECTION

PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER CONSTRUCTION DETAILS	SHEET 91	E

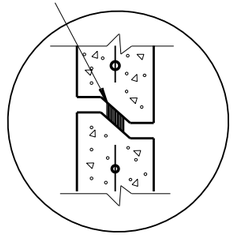


TOP WITH PLAIN END JOINT



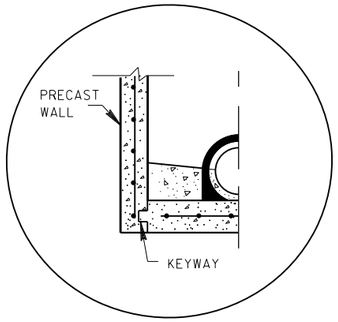
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT

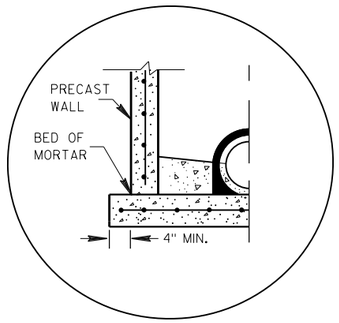


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"



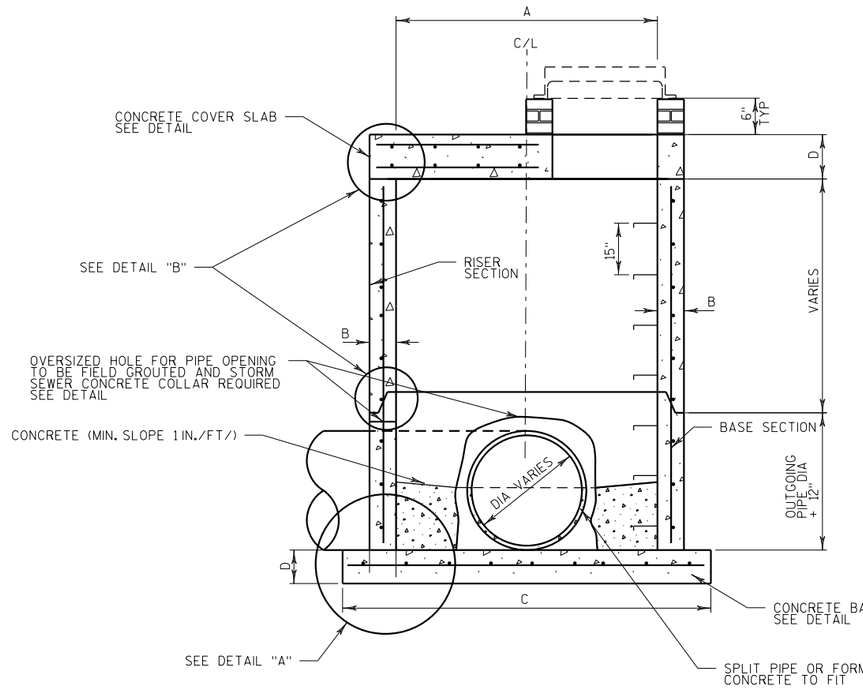
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"

	A	B	C	D
MANHOLE 9-FT SPECIAL	108"	10"	132"	12"
MANHOLE 10-FT SPECIAL	120"	11"	146"	12"

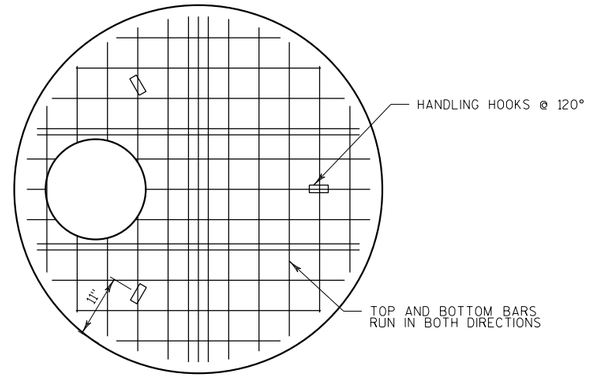


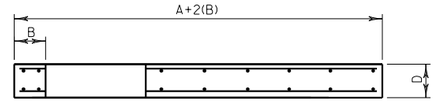
MANHOLE 9-FT SPECIAL

MANHOLE 10-FT SPECIAL

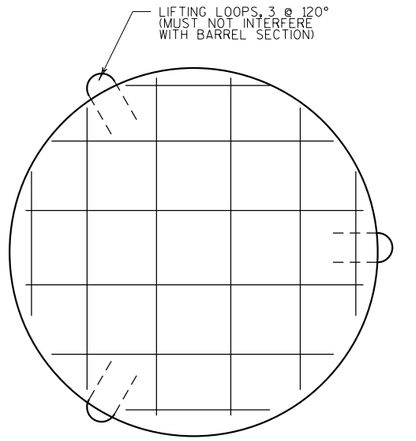
NOTES

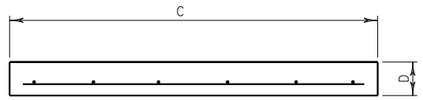
1) REINFORCING COMPLIES WITH ASTM C-478.
2) STEPS PLACED AT 15". STEPS COMPLY WITH ASTM C-478.
3) RISER & SLABS DESIGN FOR HS20 LOADING.



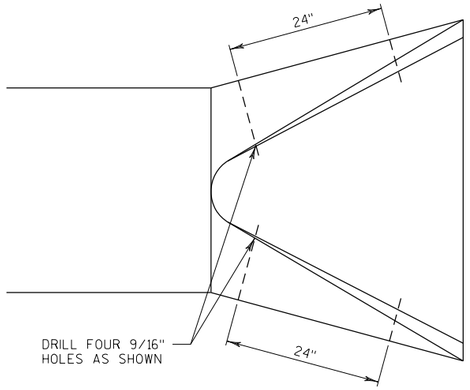


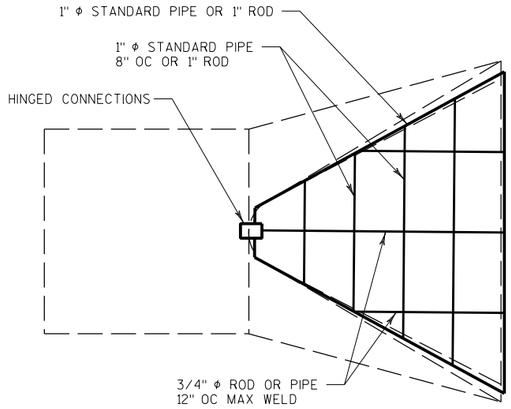
CONCRETE COVER SLAB



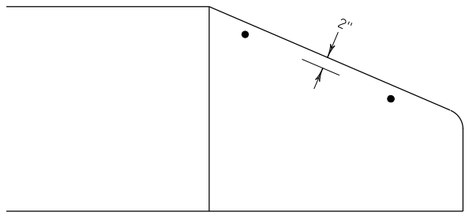


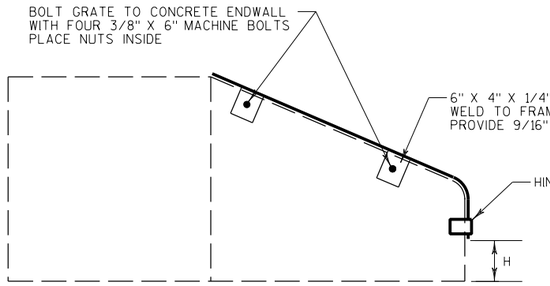
CONCRETE BASE SLAB





AT EACH PIPE





GRATE BAR SIZES

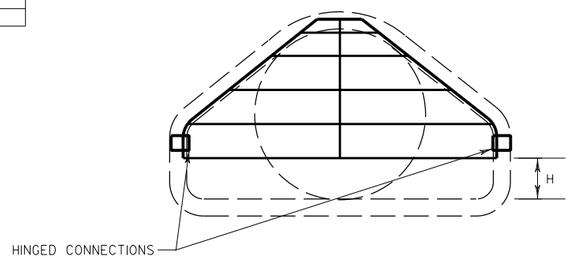
(STANDARD DESIGN)

	PIPE SIZE	HOLE DIAMETER REQUIRED	BOLT DIAMETER	BAR SIZE
ROUND PIPE	12" - 24"	3/4"	5/8"	5/8"
	27" - 48"	7/8"	3/4"	3/4"
	54" - 90"	1 1/8"	1"	1"
ARCH PIPE	22" - 29"	3/4"	5/8"	5/8"
	36" - 59"	7/8"	3/4"	3/4"
	65" - 85"	1 1/8"	1"	1"

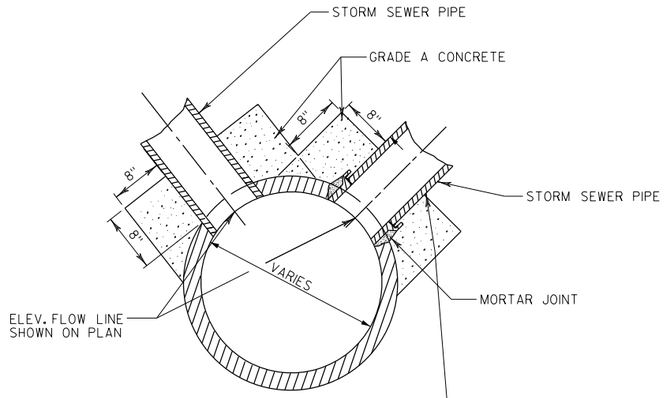
BOLT LENGTH = PIPE WALL THICKNESS + 2 1/2"

GRATE CLEARANCE HEIGHT

ROUND PIPE		ARCH PIPE	
PIPE SIZE	H	PIPE SIZE	H
12"	2 1/2"	22" - 29"	4"
15"	3"	36" - 44"	5"
18" - 24"	4"	51" - 65"	6"
27" - 36"	5"	73" - 85"	7"
42" - 54"	6"		
60" - 72"	7"		
78" - 90"	8"		

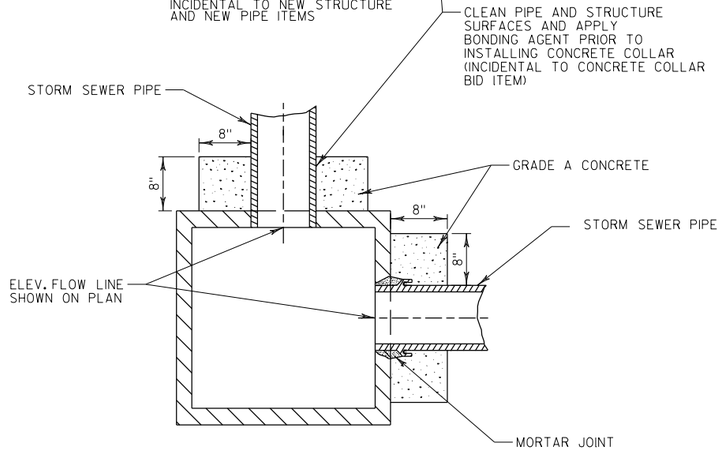


PIPE GRATE DETAIL



AT MANHOLE

INCIDENTAL TO NEW STRUCTURE AND NEW PIPE ITEMS



AT STORM SEWER INLET

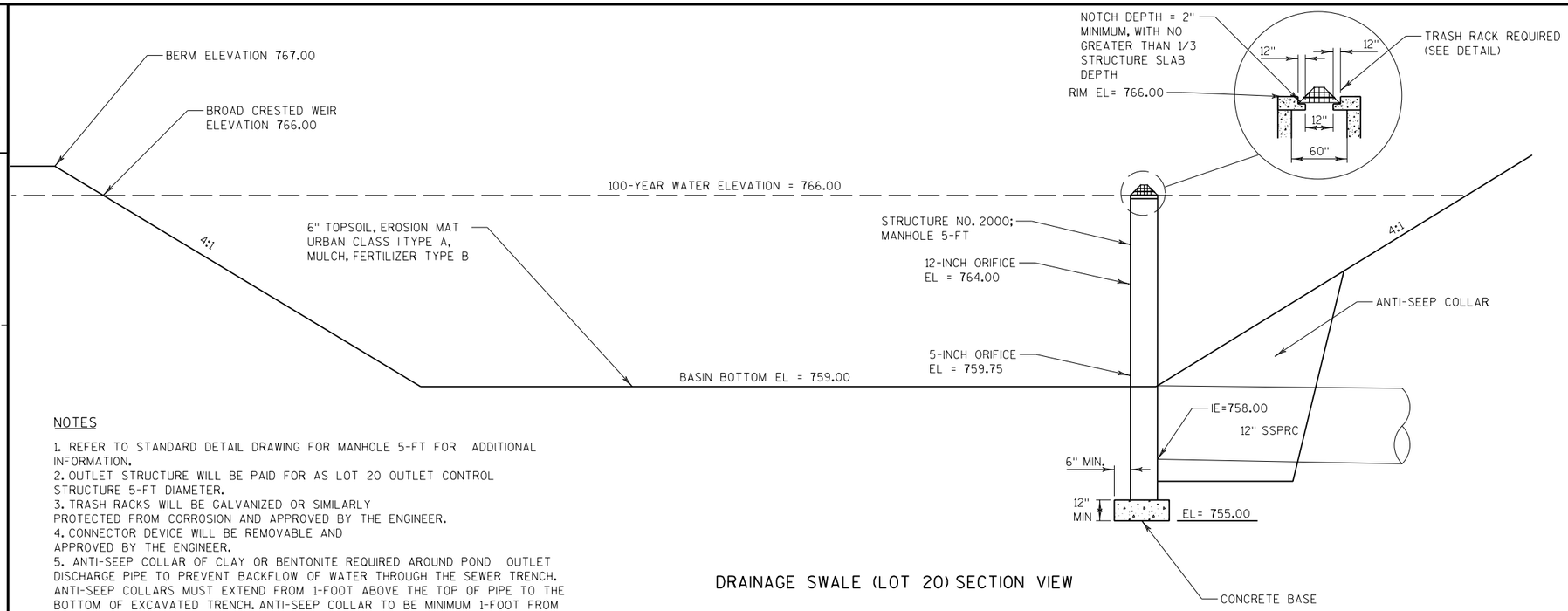
INCIDENTAL TO NEW STRUCTURE AND NEW PIPE ITEMS

NOTE

CONCRETE COLLAR TO BE PAID AS A BID ITEM WHEN CONNECTING AN EXISTING PIPE TO A NEW STRUCTURE.

CONCRETE COLLAR DETAIL

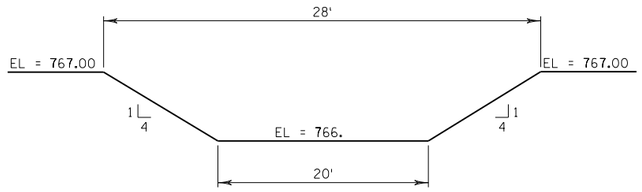
FOR LOCATIONS SEE MISCELLANEOUS QUANTITIES SHEETS



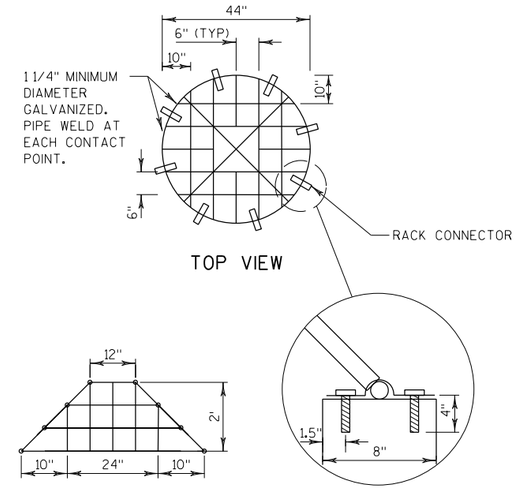
DRAINAGE SWALE (LOT 20) SECTION VIEW

NOTES

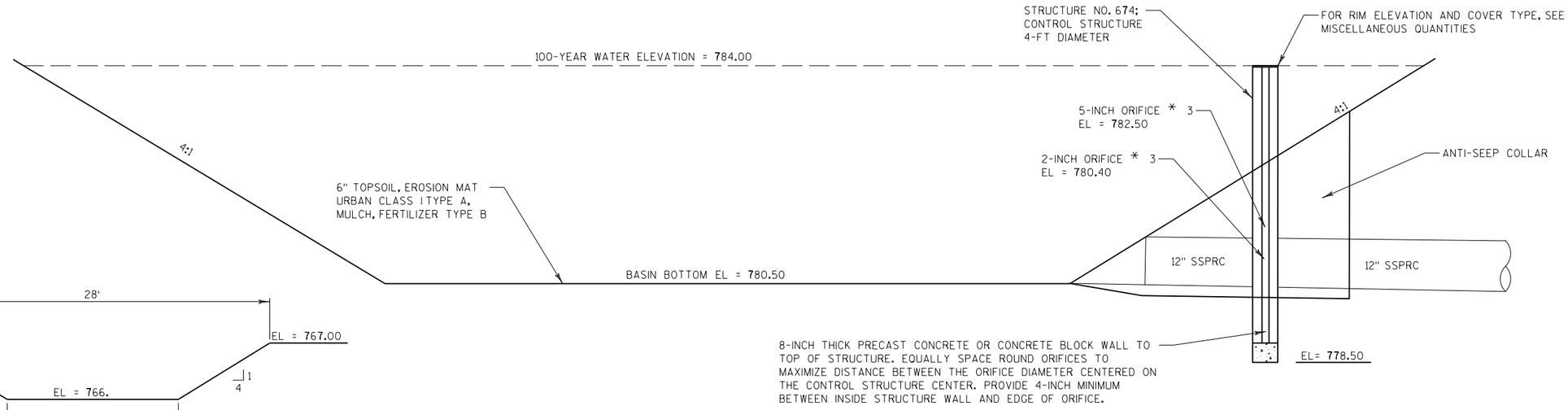
1. REFER TO STANDARD DETAIL DRAWING FOR MANHOLE 5-FT FOR ADDITIONAL INFORMATION.
2. OUTLET STRUCTURE WILL BE PAID FOR AS LOT 20 OUTLET CONTROL STRUCTURE 5-FT DIAMETER.
3. TRASH RACKS WILL BE GALVANIZED OR SIMILARLY PROTECTED FROM CORROSION AND APPROVED BY THE ENGINEER.
4. CONNECTOR DEVICE WILL BE REMOVABLE AND APPROVED BY THE ENGINEER.
5. ANTI-SEEP COLLAR OF CLAY OR BENTONITE REQUIRED AROUND POND OUTLET DISCHARGE PIPE TO PREVENT BACKFLOW OF WATER THROUGH THE SEWER TRENCH. ANTI-SEEP COLLARS MUST EXTEND FROM 1-FOOT ABOVE THE TOP OF PIPE TO THE BOTTOM OF EXCAVATED TRENCH. ANTI-SEEP COLLAR TO BE MINIMUM 1-FOOT FROM OUTLET PIPE JOINT. ANTI-SEEP COLLAR MAY COVER JOINT, SO LONG AS END OF COLLAR IS A MINIMUM 1-FOOT PAST JOINT.
ANTI-SEEP COLLAR IS INCIDENTAL TO PIPE AND INSTALLATION.
6. BROAD CRESTED WEIR INCIDENTAL TO LOT 20 DRAINAGE SWALE UNDER EXCAVATION COMMON.



LOT 20 BROAD CRESTED WEIR DETAIL
NTS



TRASH RACK
NTS

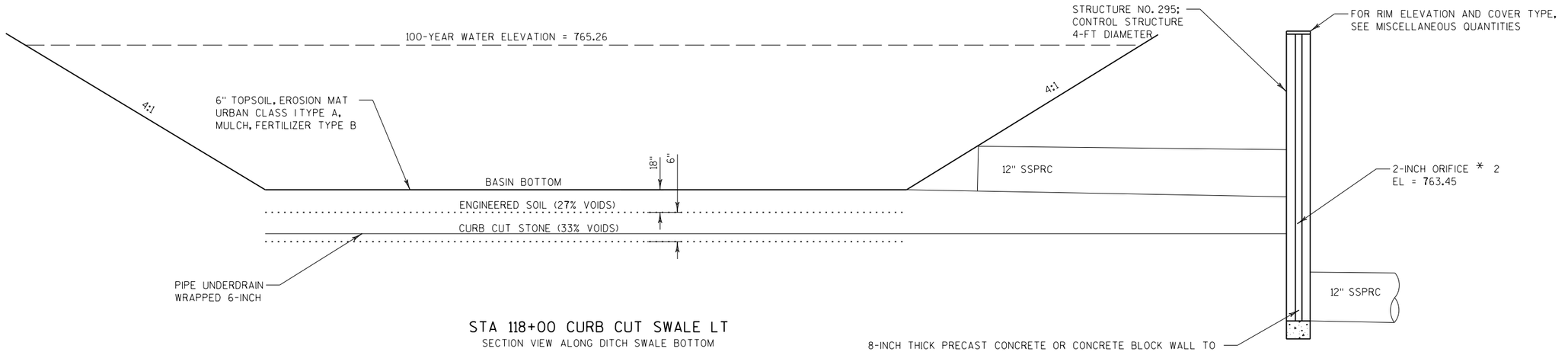


DRAINAGE DEPRESSIONAL AREA (35TH STREET) SECTION VIEW

NOTES

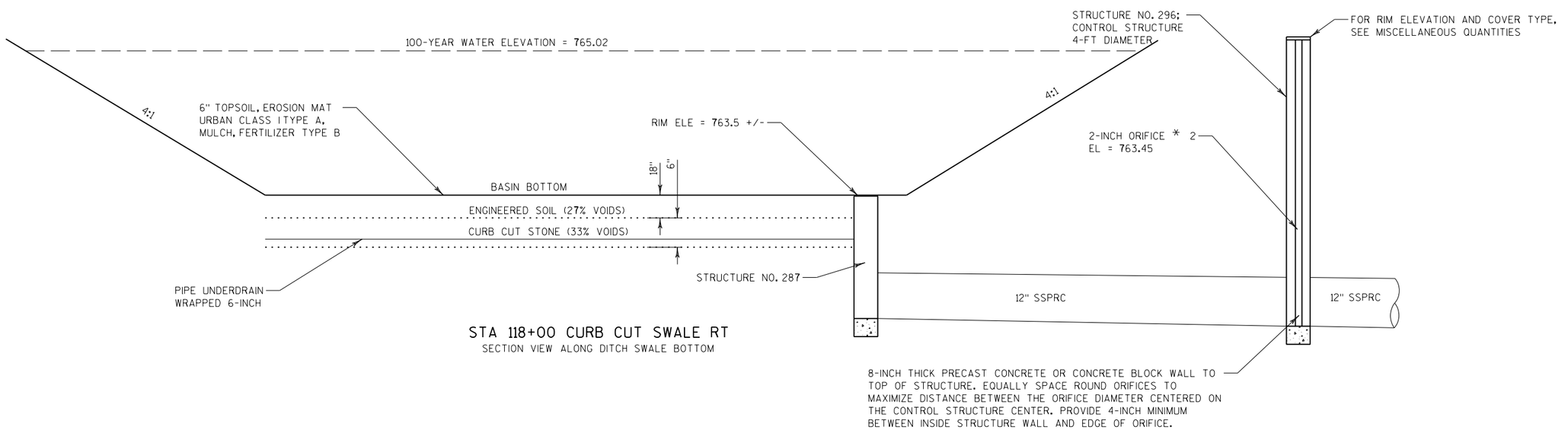
1) RIM & INVERT ELEVATIONS - SEE DRAINAGE TABLE FOR EXACT ELEVATION.

2) SEE TYPICAL FINISHED SECTIONS FOR EXTENT OF ENGINEERED SOIL AND CURB CUT STONE.



STA 118+00 CURB CUT SWALE LT

SECTION VIEW ALONG DITCH SWALE BOTTOM



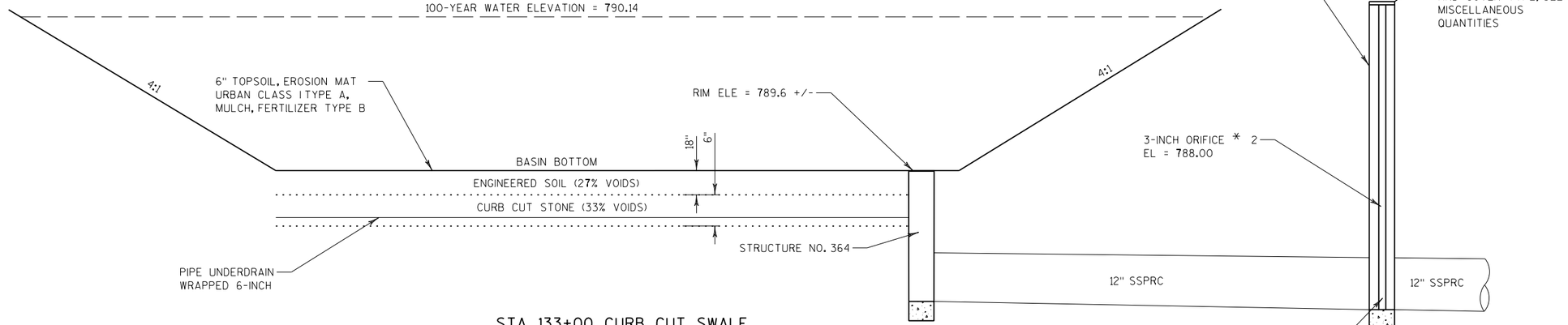
STA 118+00 CURB CUT SWALE RT

SECTION VIEW ALONG DITCH SWALE BOTTOM

NOTES

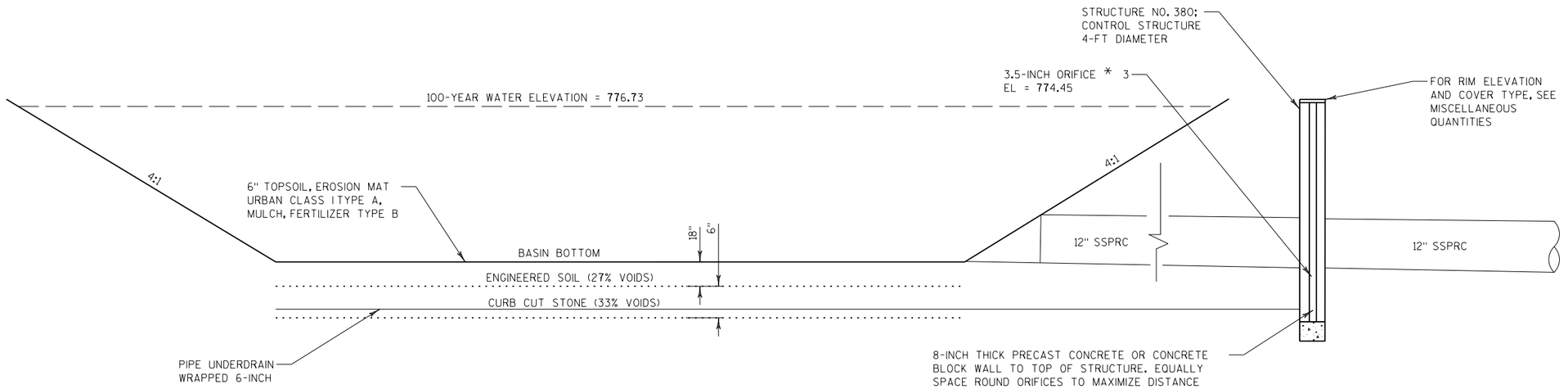
1) RIM & INVERT ELEVATIONS - SEE DRAINAGE TABLE FOR EXACT ELEVATION.

2) SEE TYPICAL FINISHED SECTIONS FOR EXTENT OF ENGINEERED SOIL AND CURB CUT STONE.



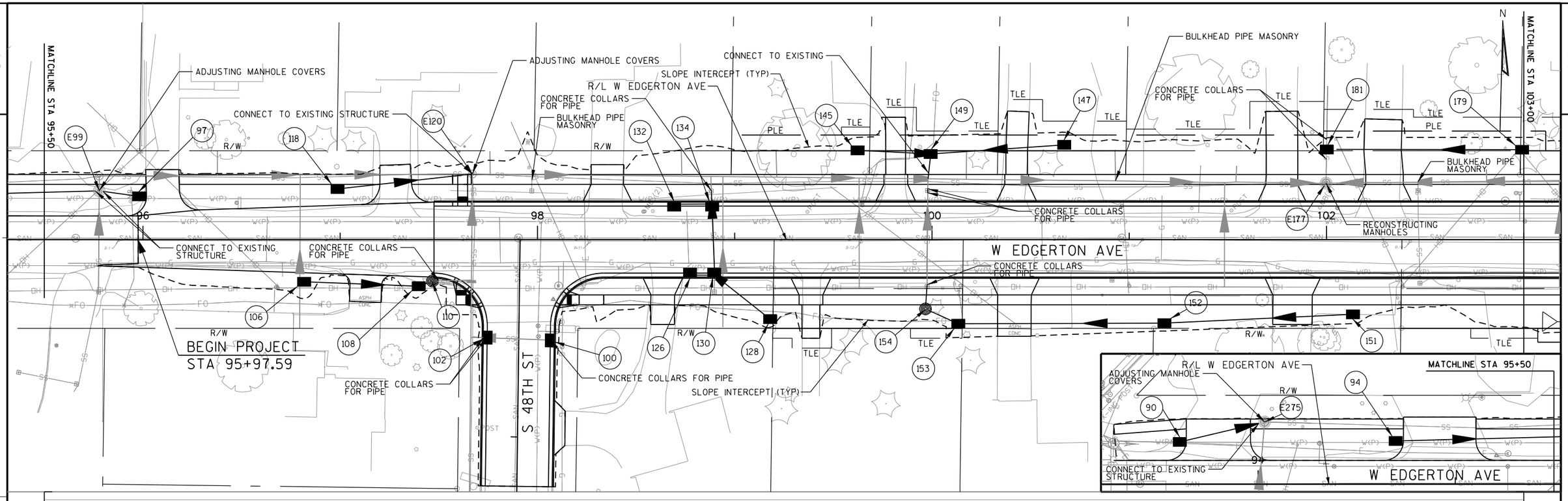
STA 133+00 CURB CUT SWALE

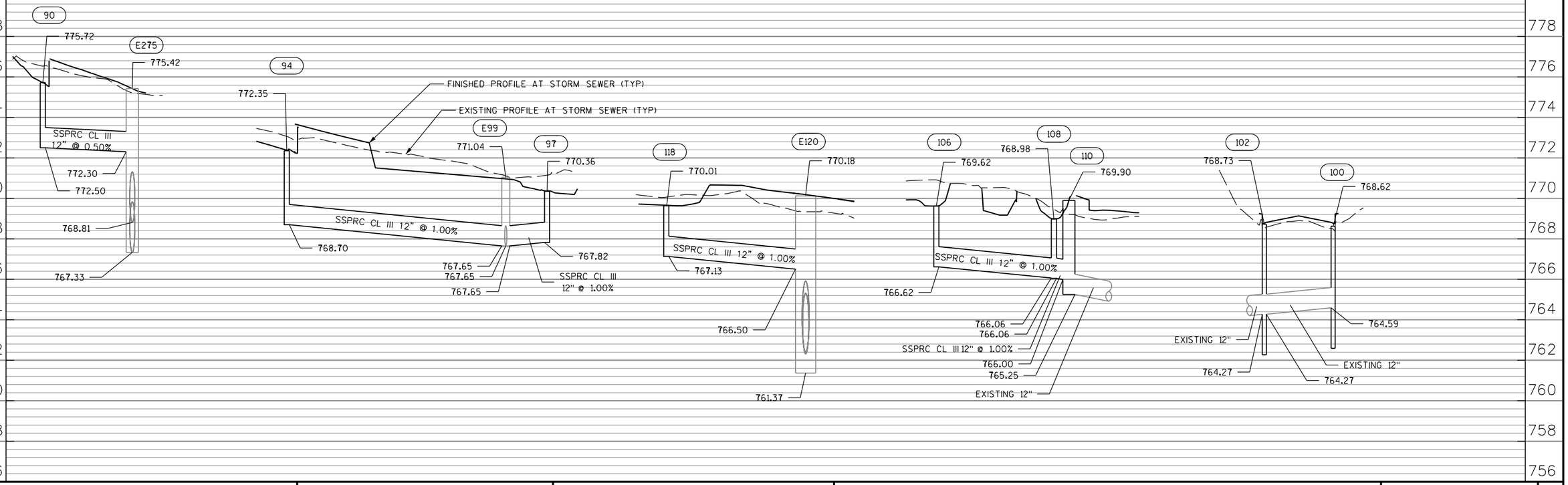
SECTION VIEW ALONG DITCH SWALE BOTTOM



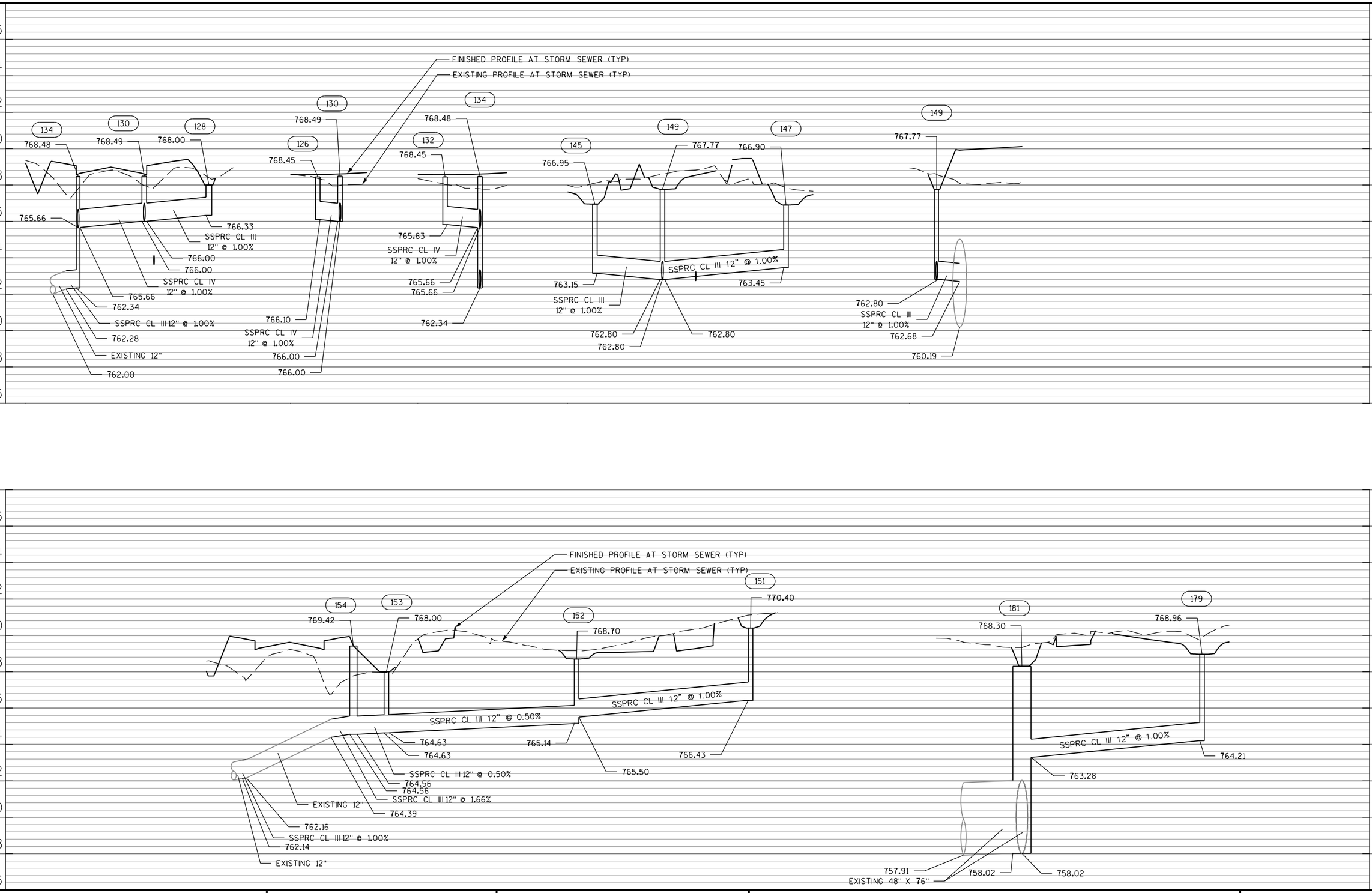
STA 150+50 CURB CUT SWALE LT & RT

SECTION VIEW ALONG DITCH SWALE BOTTOM

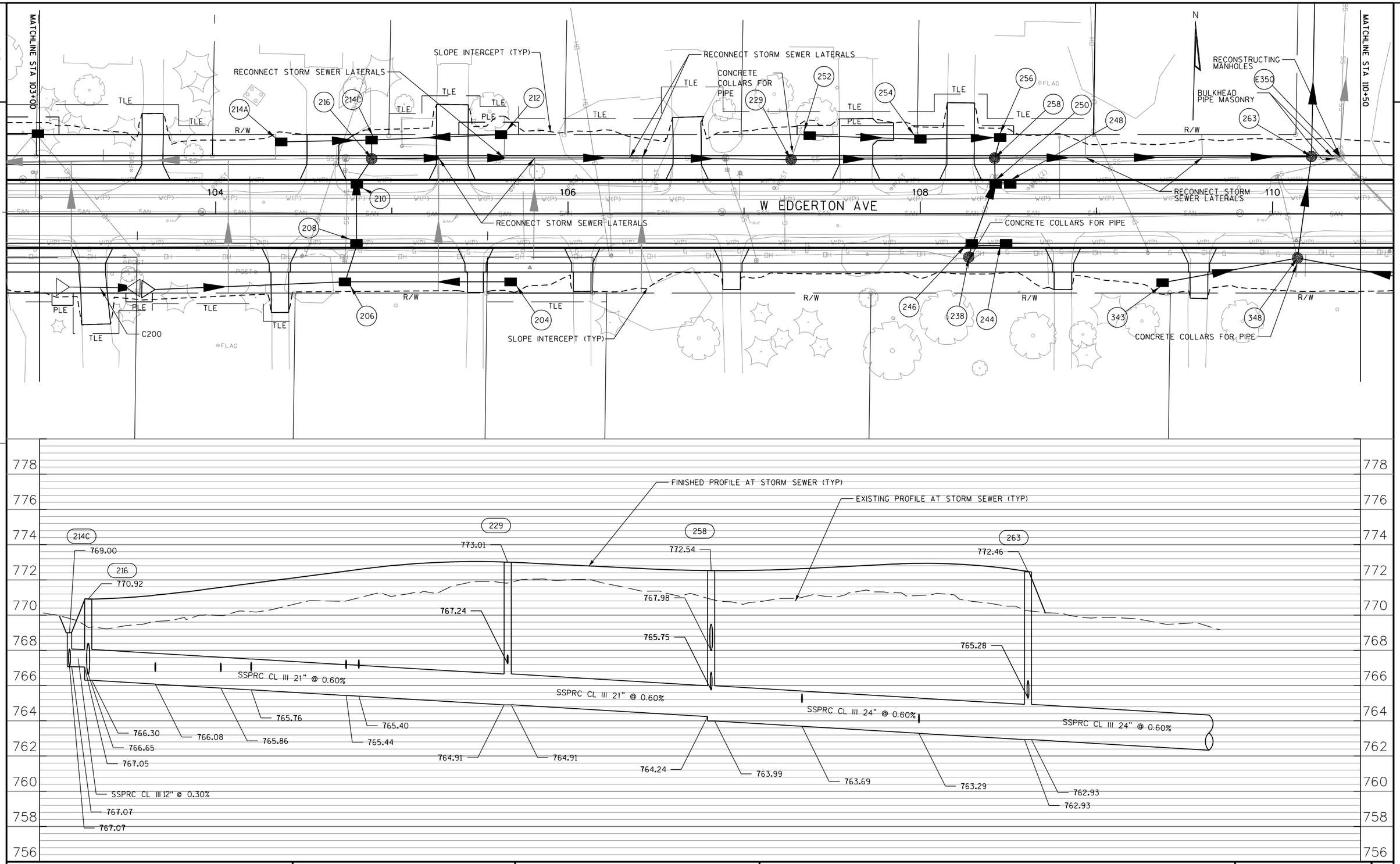




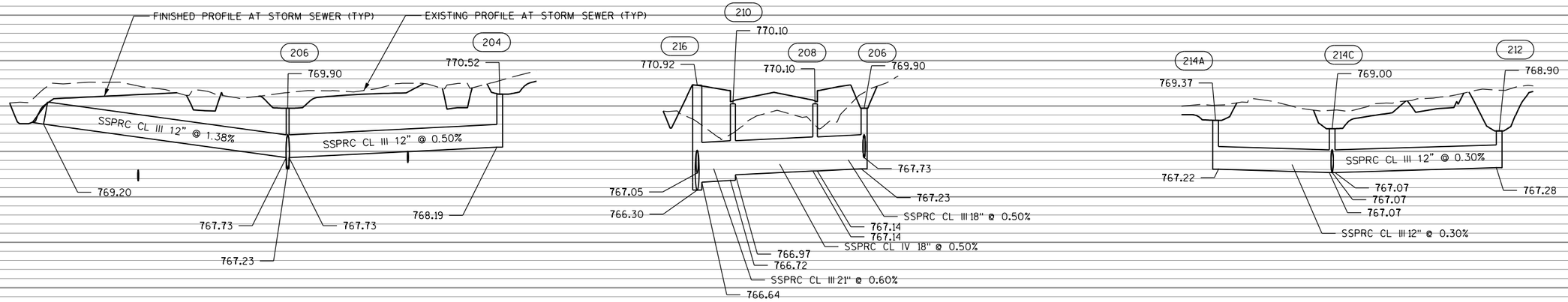
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 97	E

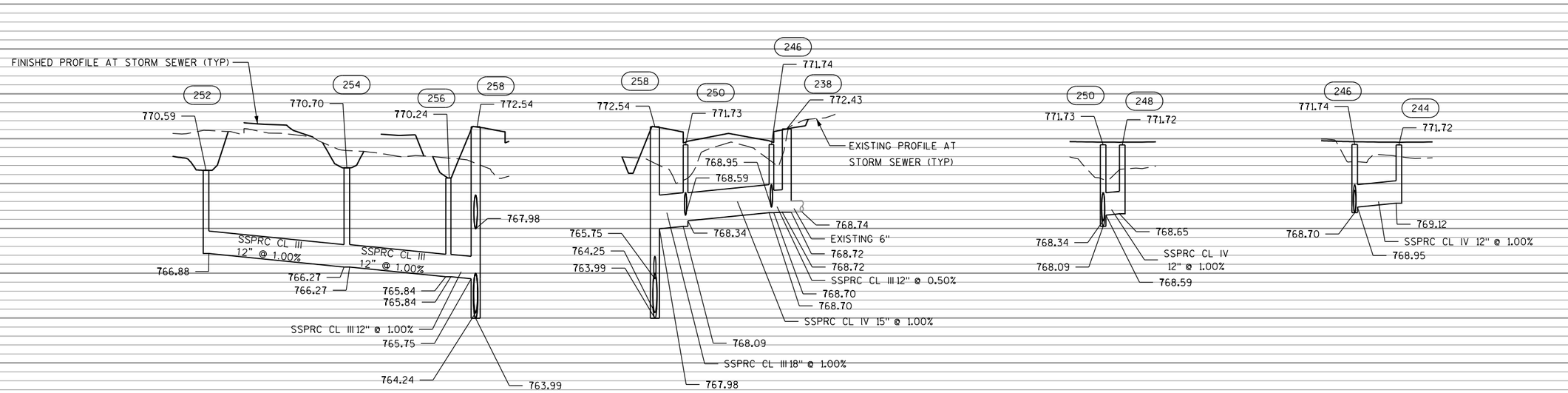


PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE LATERALS	SHEET 98	E



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 99	E

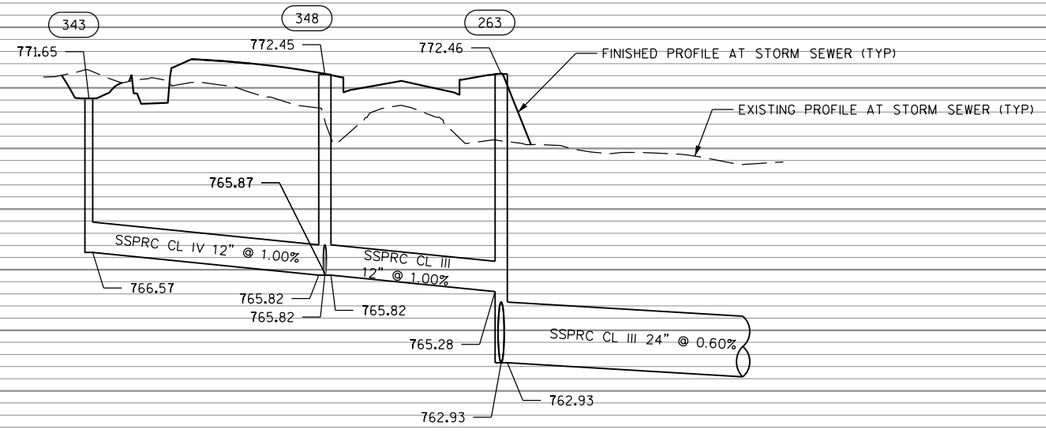


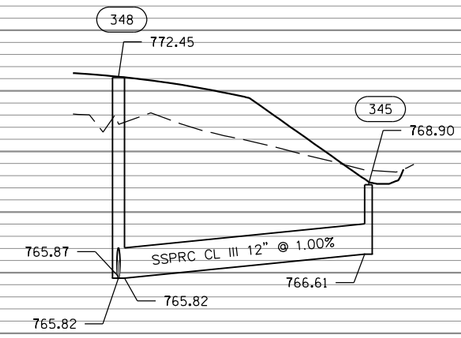


PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE LATERALS	SHEET 100	E

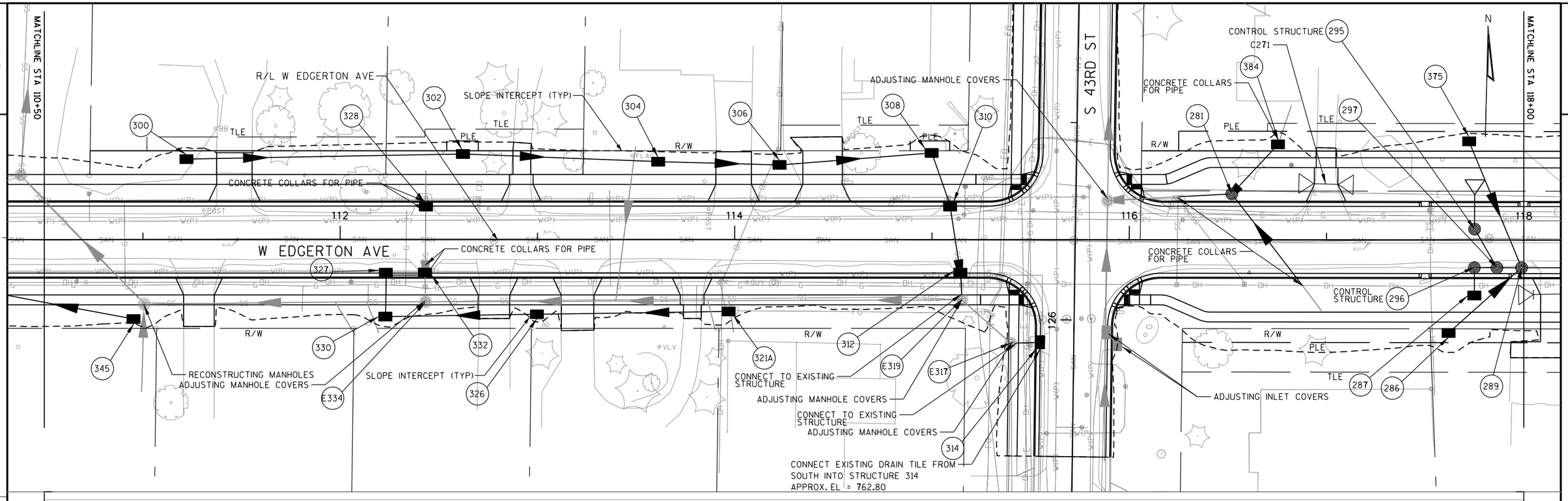
FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022502A_SS.dgn PLOT DATE : 10/31/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

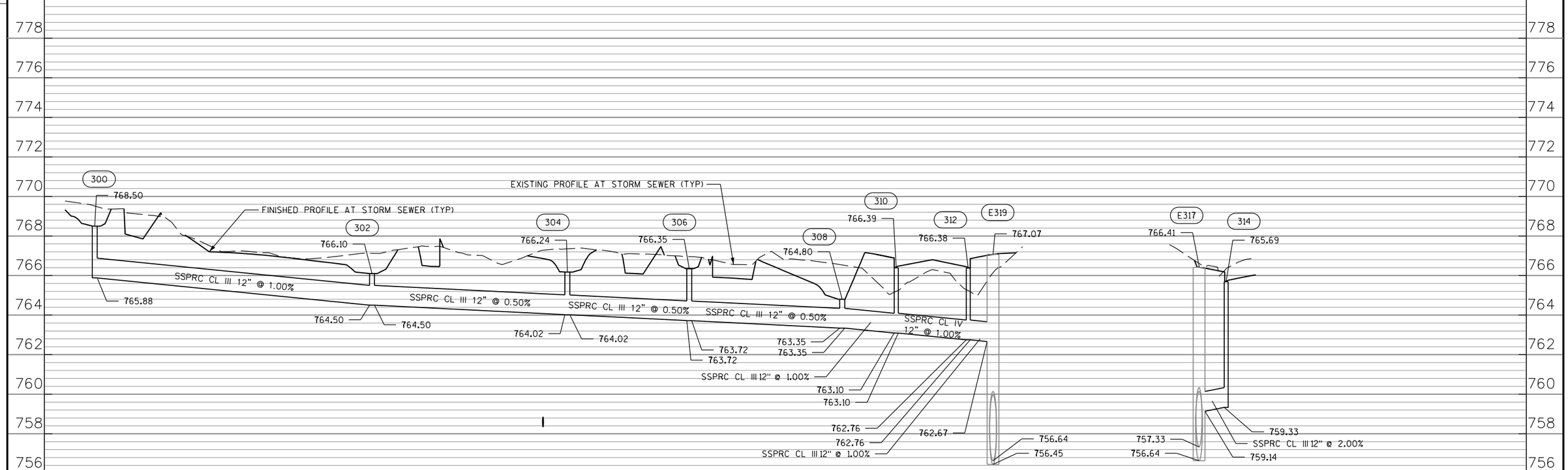
WISDOT/CADDS SHEET 41



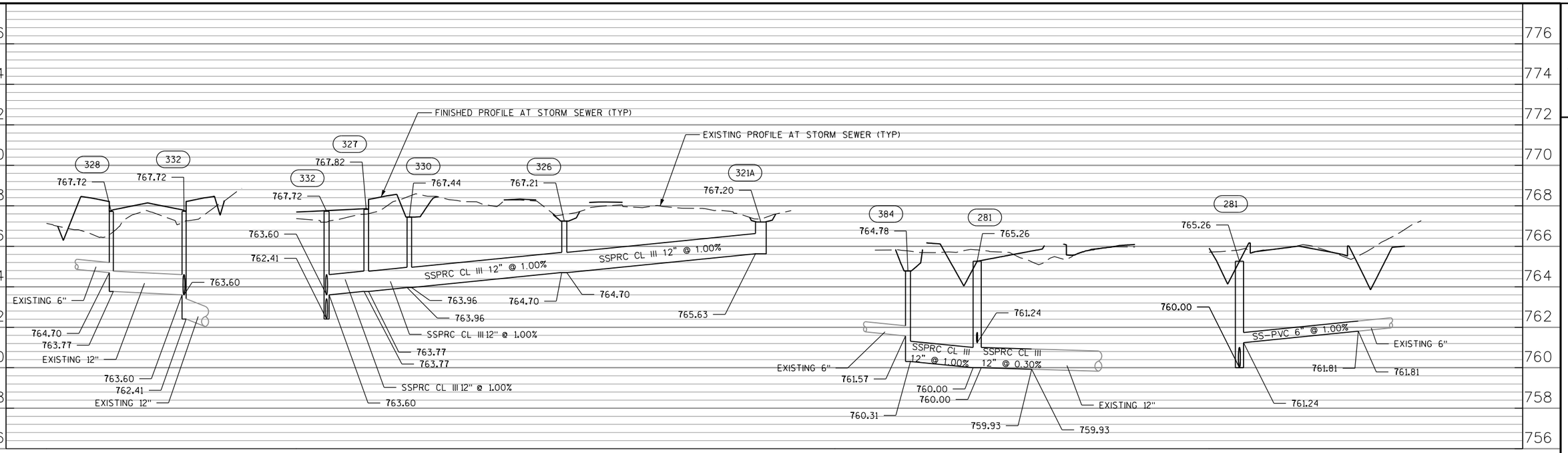


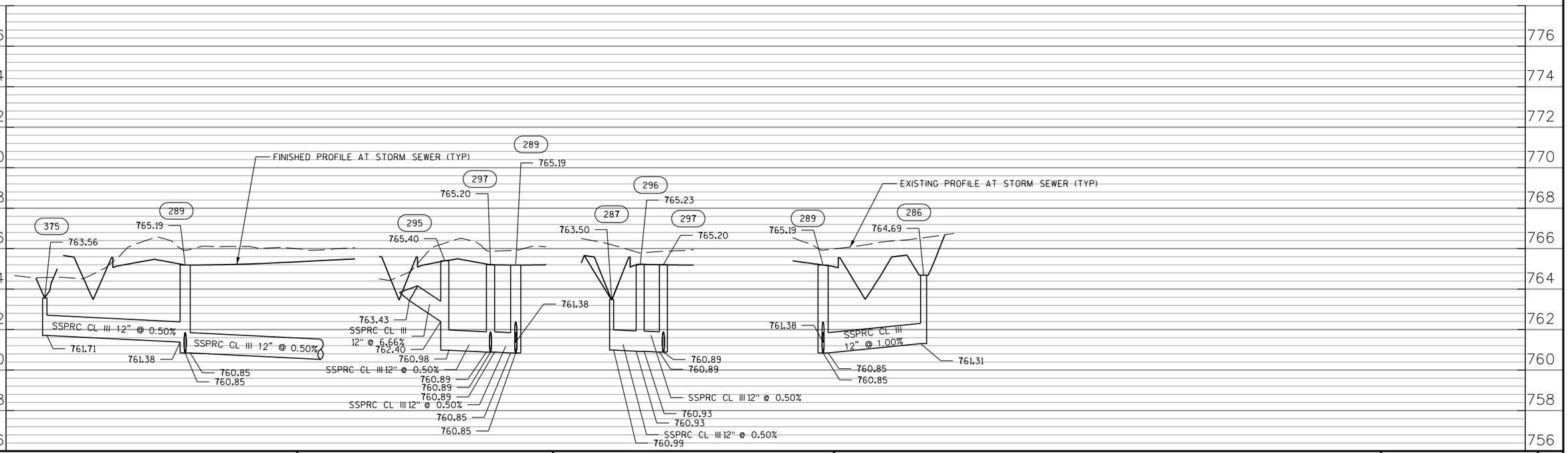
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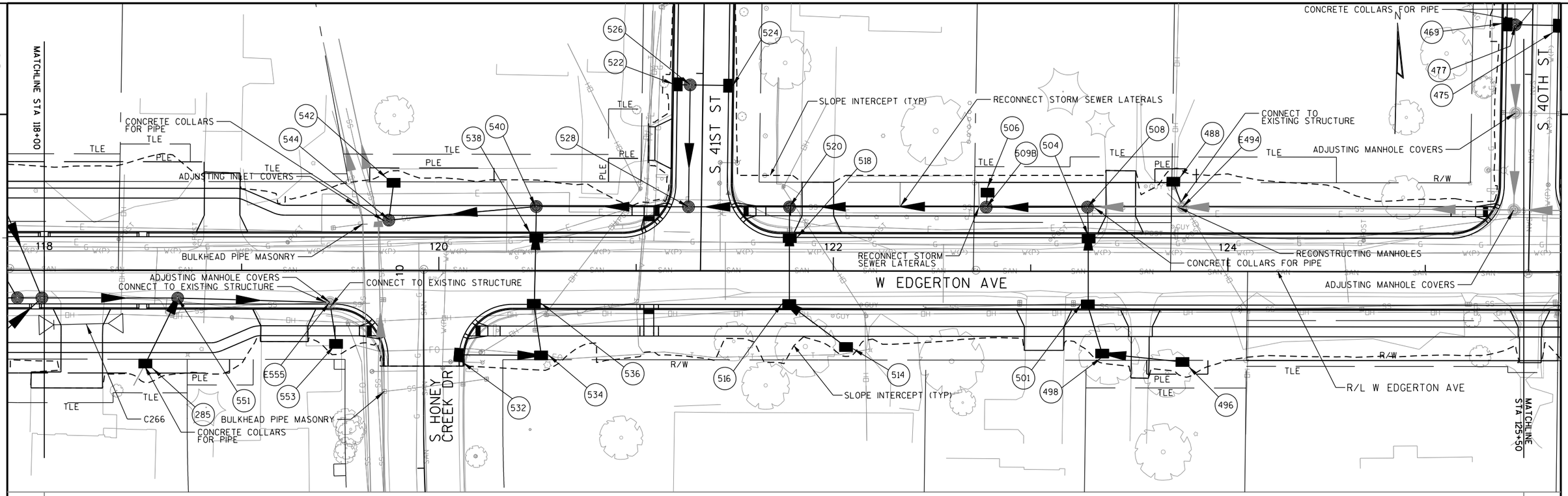


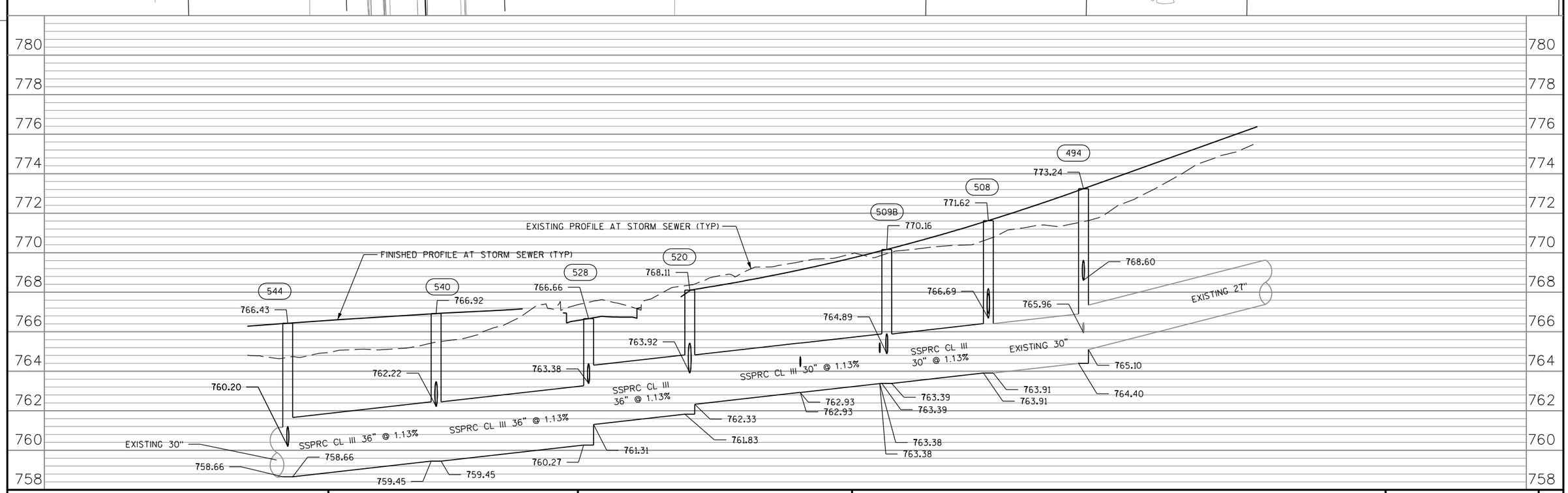
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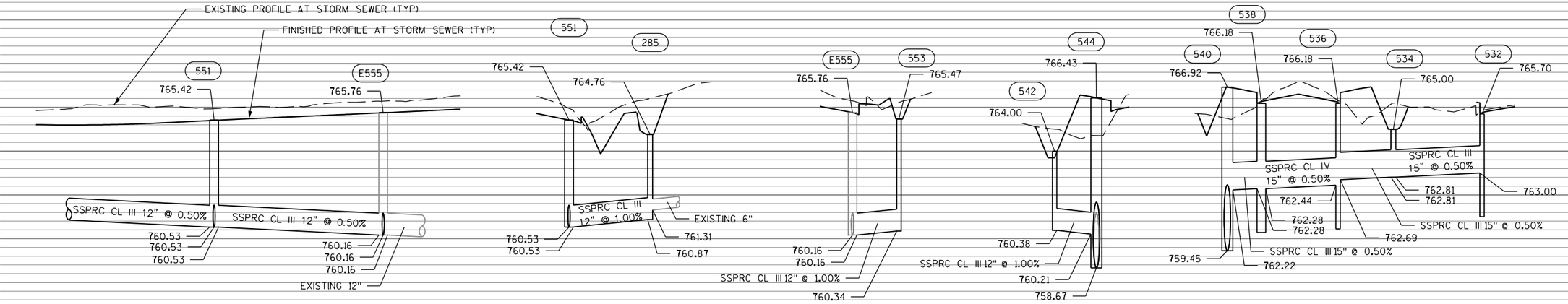


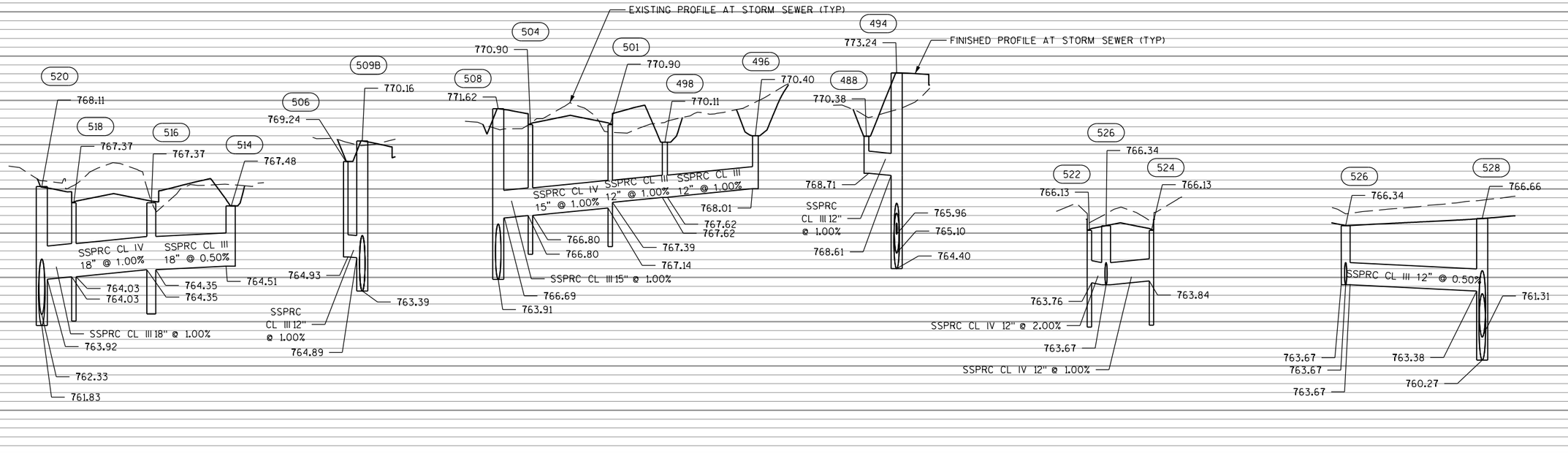
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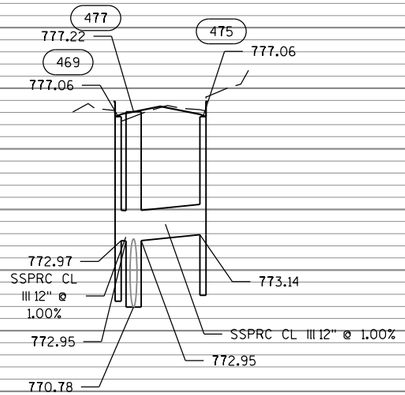
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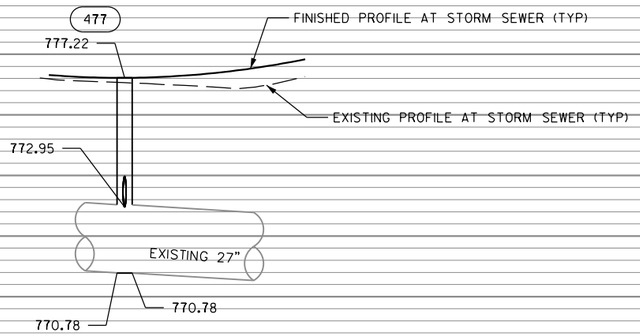




PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE LATERALS	SHEET 105	E

780
778
776
774
772
770
768
766
764
762
760

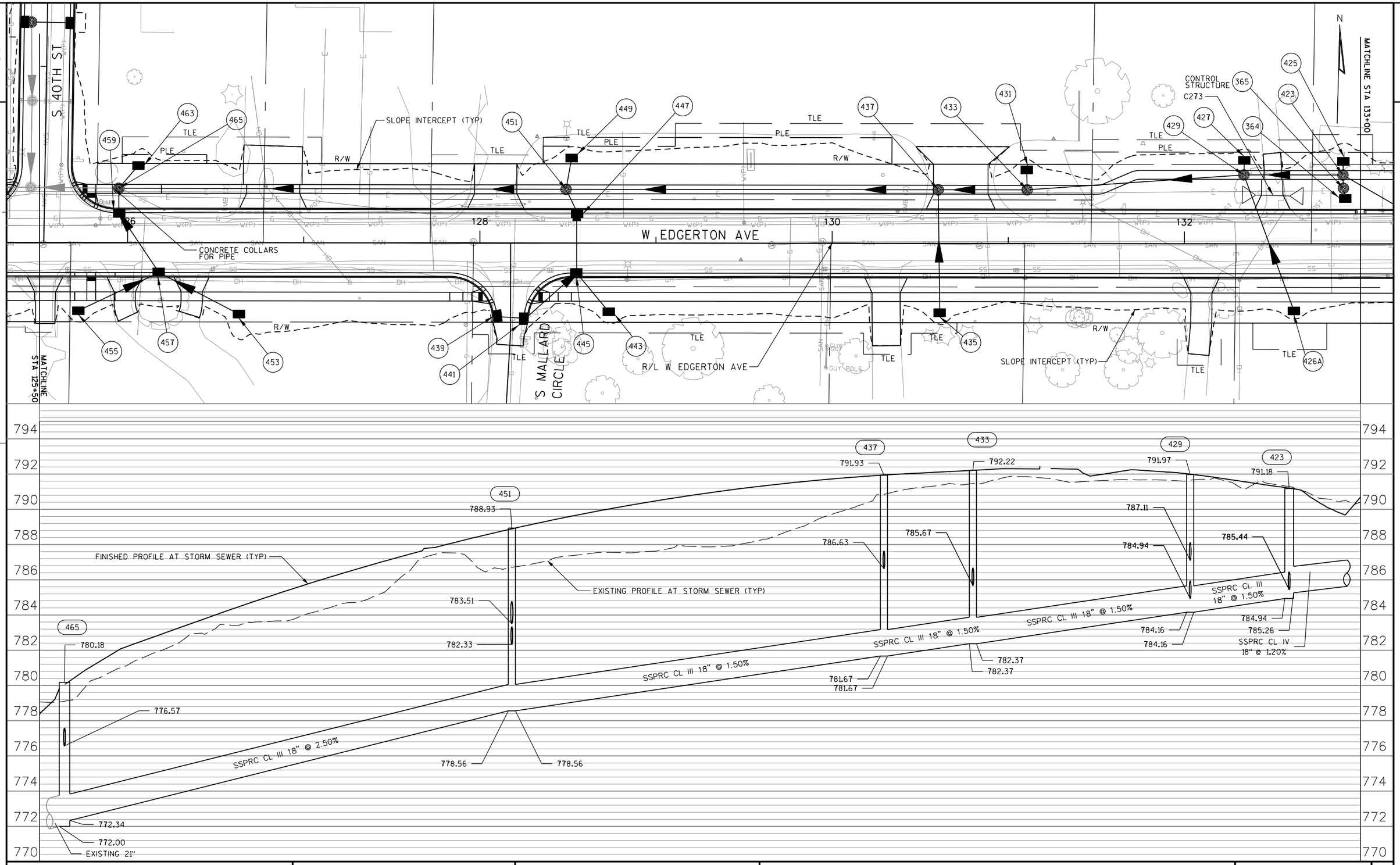




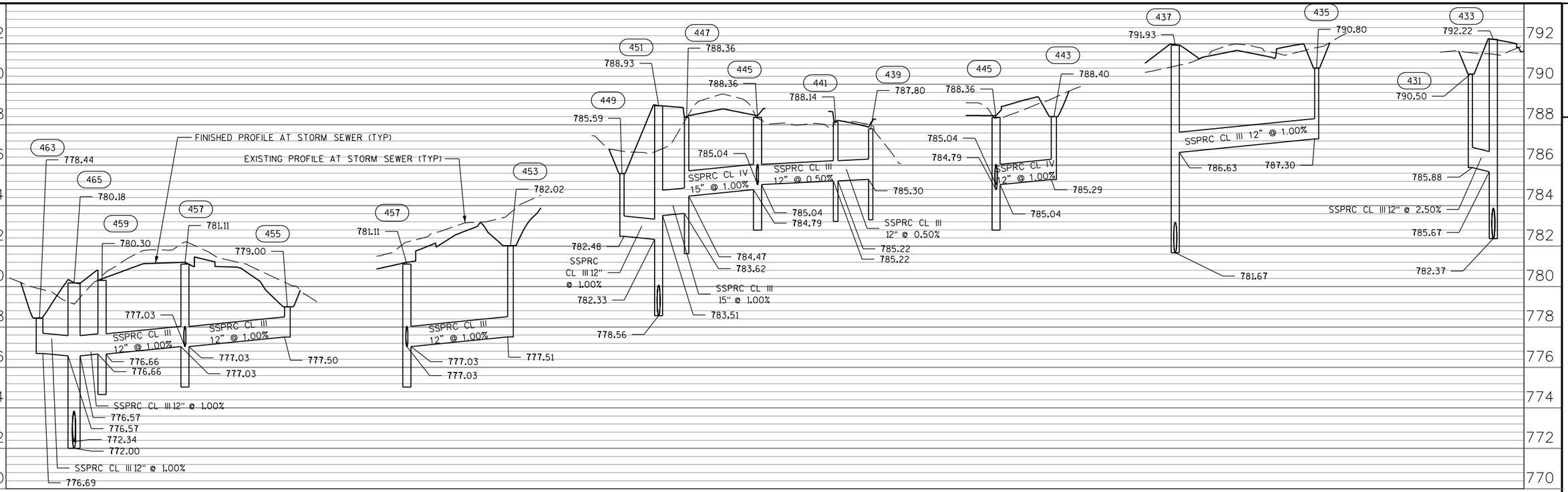
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778
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762
760

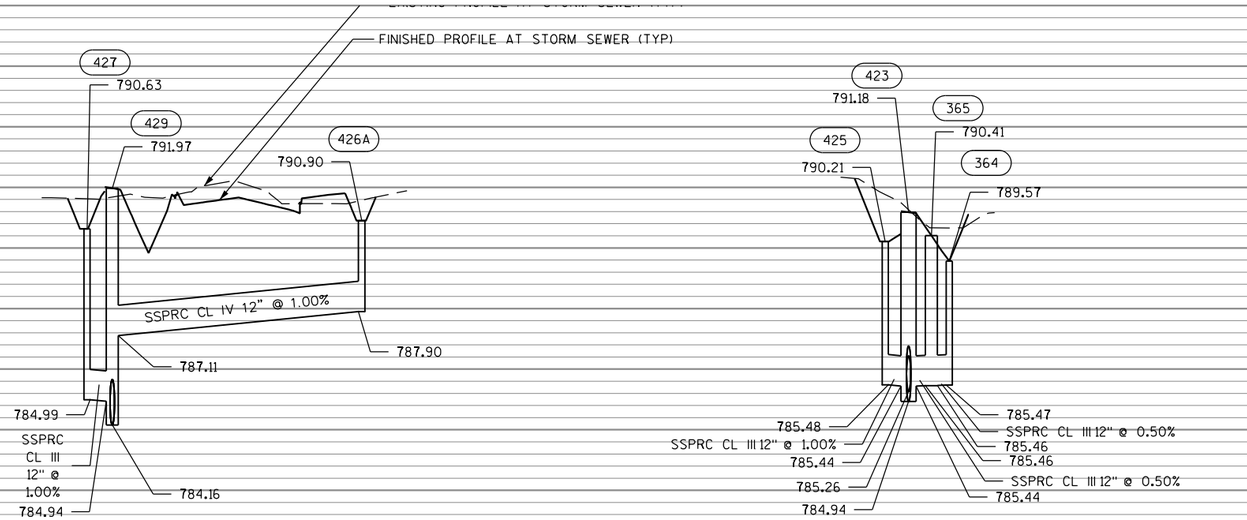
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE LATERALS	SHEET 106	E



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 107	E





PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE LATERALS	SHEET 108	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022505A_SS.dgn PLOT DATE : 10/31/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

MATCHLINE STA 133+00

MATCHLINE STA 140+50

2

N

ADJUSTING MANHOLE COVERS

CONCRETE COLLARS FOR PIPE

CONCRETE COLLARS FOR PIPE

S 37TH ST

S 36TH ST

R/L W EDGERTON AVE

W EDGERTON AVE

SLOPE INTERCEPT (TYP)

SLOPE INTERCEPT (TYP)

TLE

PLE

R/W

134

136

138

140

E579

575

577

415

423

403

400

600

602

604

609

419

417

412

410

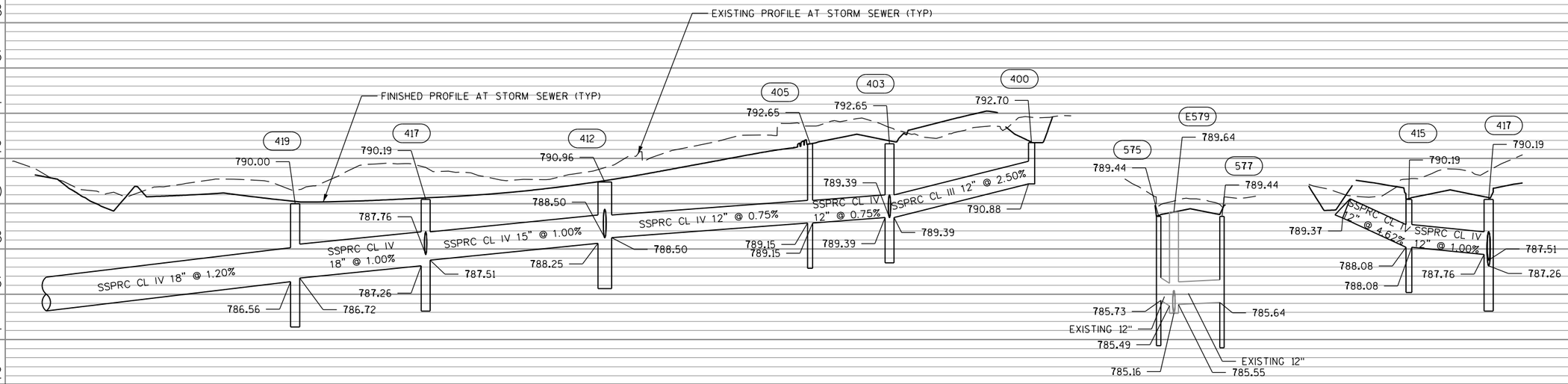
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606

611

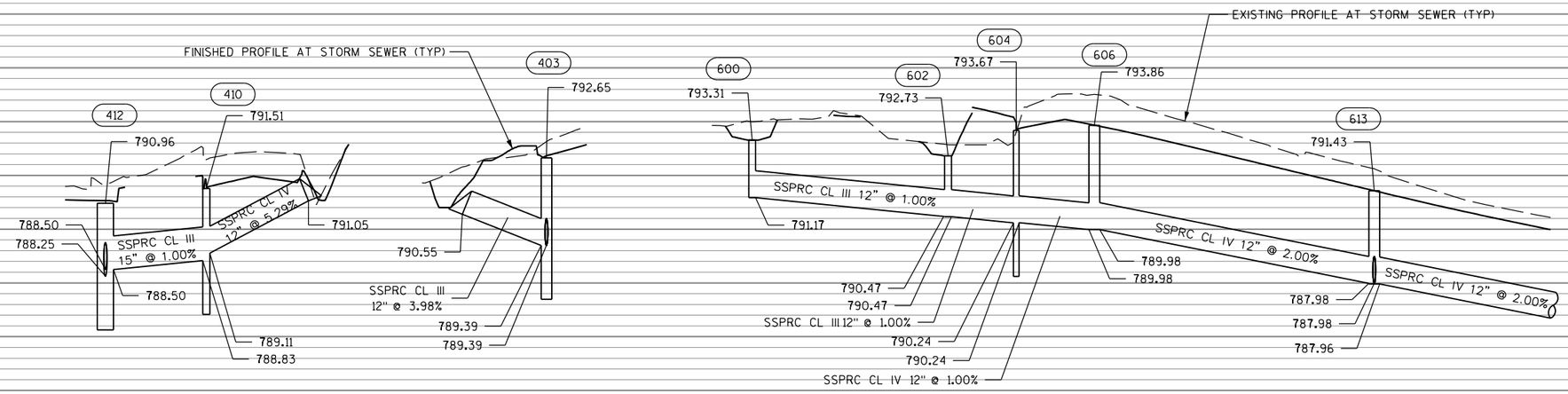
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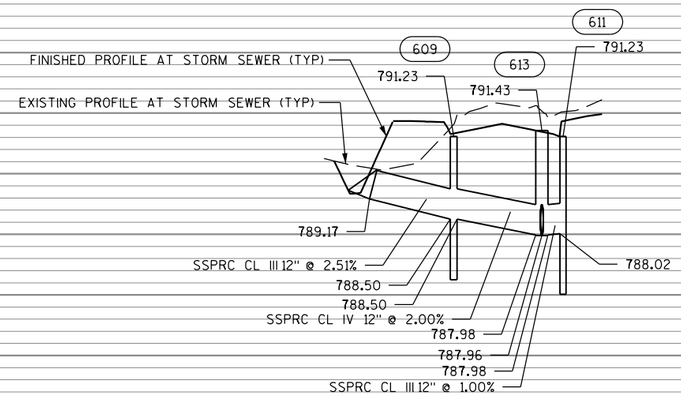
S 37TH ST



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PLOT	SHEET 109	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022506_SS.dgn PLOT DATE : 10/31/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50





PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE LATERALS	SHEET 110	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022506A_SS.dgn PLOT DATE : 10/31/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

MATCHLINE STA 140+50

MATCHLINE STA 148+00

2

N

S 35TH ST

S 34TH ST

S HIDDEN DR

TUCKAWAY BLVD

R/L W EDGERTON AVE

W EDGERTON AVE

C321

DRAINAGE DEPRESSIONAL AREA

SLOPE INTERCEPT (TYP)

ADJUSTING MANHOLE COVERS

CONCRETE COLLARS FOR PIPE

RECONSTRUCTING MANHOLE COVERS

ADJUSTING MANHOLE COVERS STA 8+55.64 LT

CONNECT TO EXISTING STRUCTURE

TLE

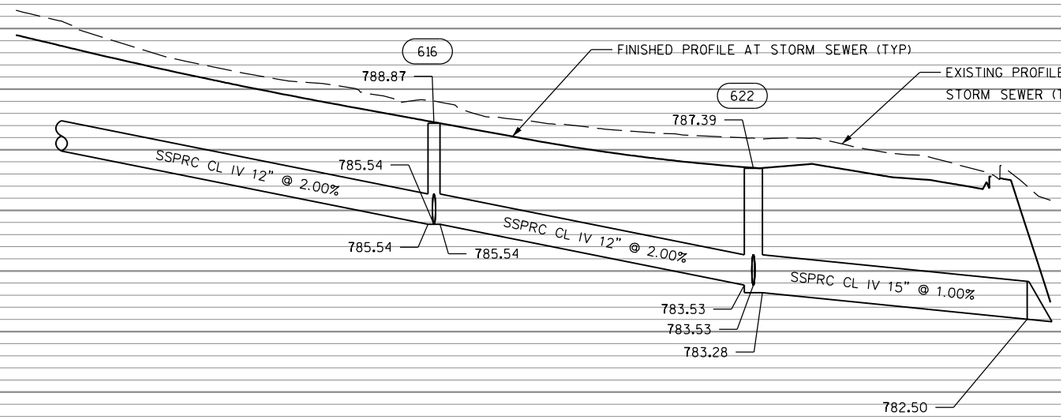
R/W

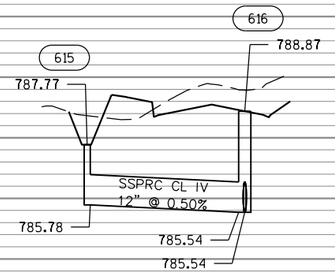
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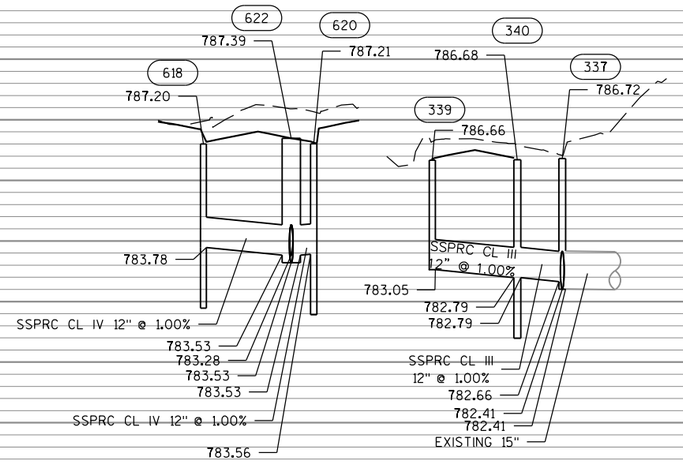
GUY POLE

615 618 616 622 620 339 340 337 784 786 790 788 795 797 801 807 805 811 809 815 813 803

142 144 146 148

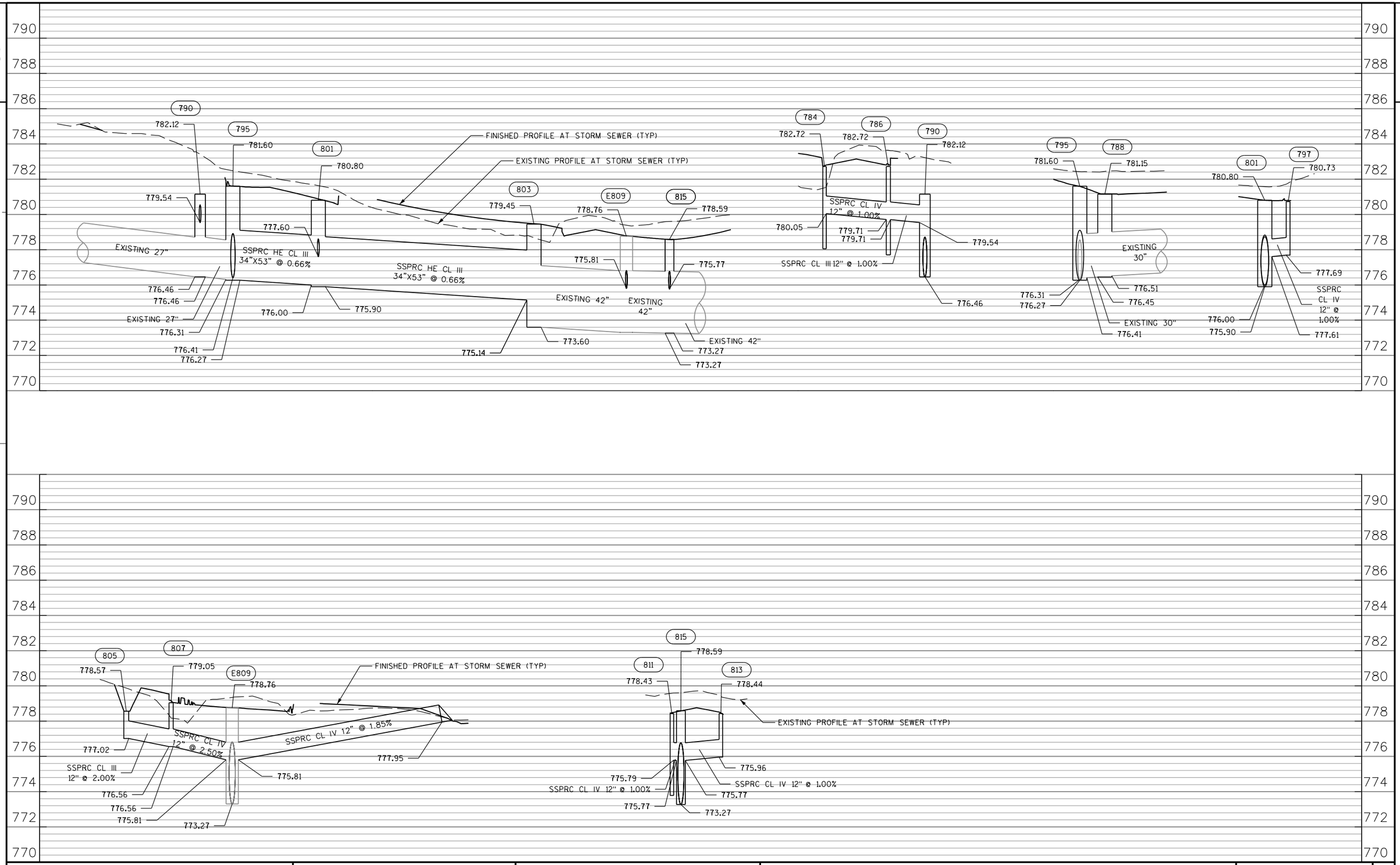






792 790 788 786 784 782 780 778 776 774 772 770

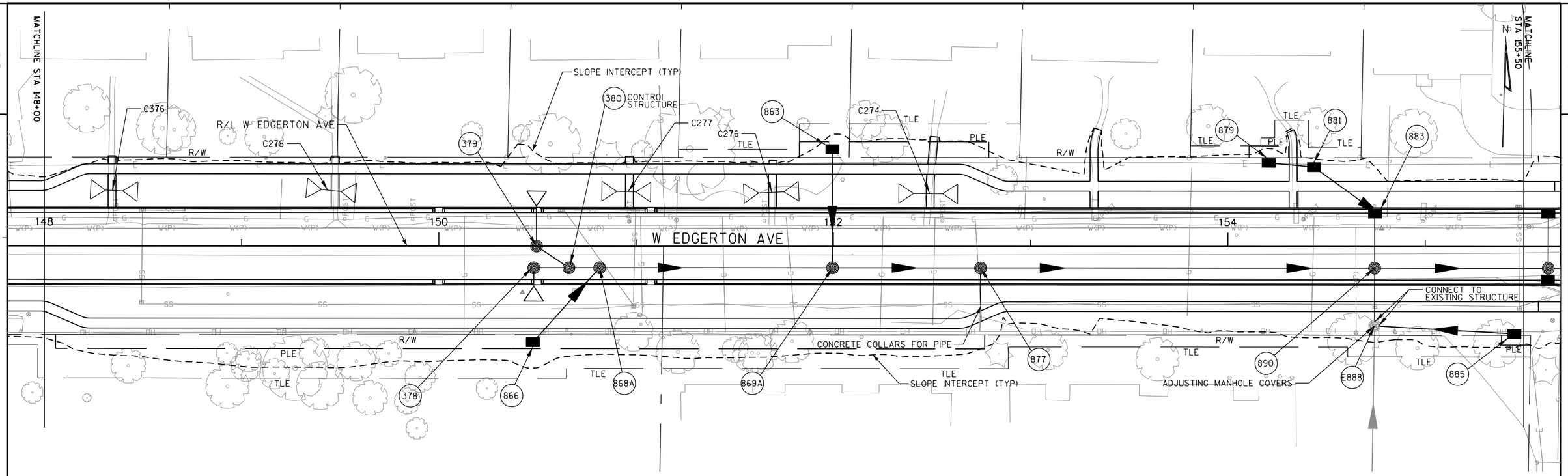
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 111	E

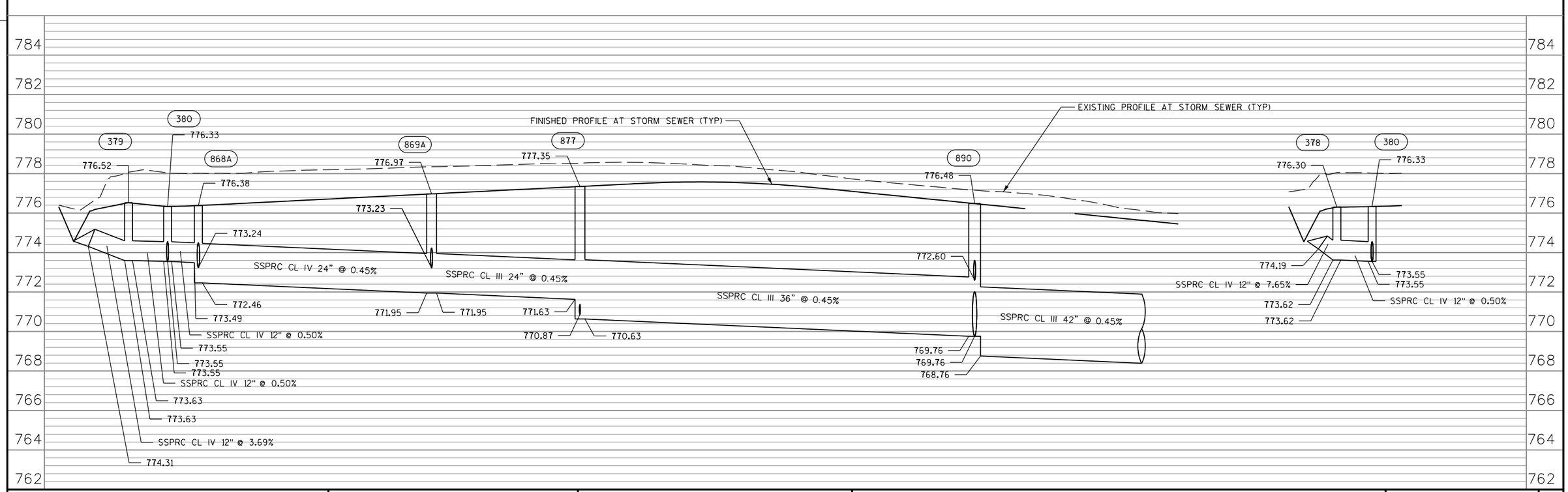


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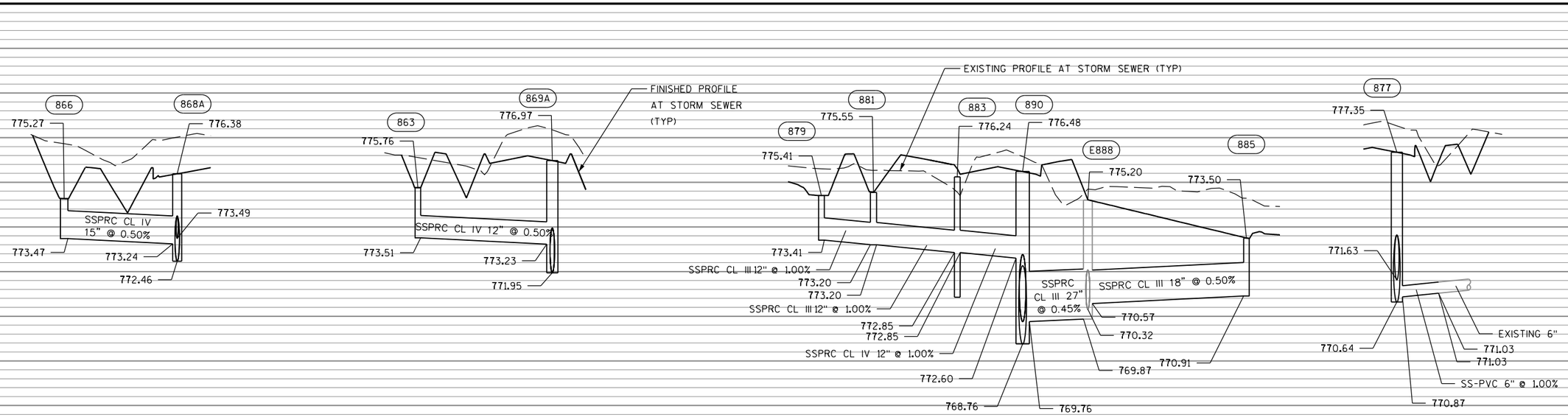
FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\Sheets0ther\Storm Sewer and Lighting\022507A_SS.dgn PLOT DATE : 10/31/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41





PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 113	E



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE LATERALS	SHEET 114	E

MATCHLINE STA 155+50

S 31ST ST

CONCRETE COLLARS FOR PIPE

892 902 900

R/W

C950

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

CONNECT TO EXISTING STRUCTURE

E950 945 924 944B

TLE PLE R/W

S 30TH ST

ADJUSTING INLET COVERS

CONNECT TO EXISTING STRUCTURE

947

CONNECT TO EXISTING STRUCTURE

933

R/W

C369 TLE TLE TLE

N

MATCHLINE STA 163+00

156 158 160 162

W EDGERTON AVE

CONCRETE COLLARS FOR PIPE

CONCRETE COLLARS FOR PIPE

940 942

913 894 896 909 911

R/W

SLOPE INTERCEPT (TYP)

920 916 926 922 956

R/W

CONCRETE COLLARS FOR PIPE

952 938 954

R/W

935 PLE TLE 930 TLE PLE TLE

NWS POST

780 778 776 774 772 770 768 766 764 762 760 758

896 775.60

913 775.39

772.25 771.39

771.32 771.04

SSPRC CL III 42" @ 0.45%

SSPRC CL III 42" @ 0.45%

768.32 768.32

768.39 768.39

FINISHED PROFILE AT STORM SEWER (TYP)

SSPRC CL IV 42" @ 0.45%

920 772.60 770.06 769.78

767.03 767.03

EXISTING PROFILE AT STORM SEWER (TYP)

926 772.04 769.56

SSPRC CL IV 42" @ 0.45%

952 771.88

SSPRC CL IV 42" @ 0.45%

768.47

942 771.81

SSPRC CL IV 15" @ 0.50%

768.00 767.54

768.47 768.22

766.56 766.56

766.45 766.45

930 773.72

935 773.92

770.98

SSPRC CL III 12" @ 2.77%

770.92 772.95

770.94 770.94

SSPRC CL IV 12" @ 1.00%

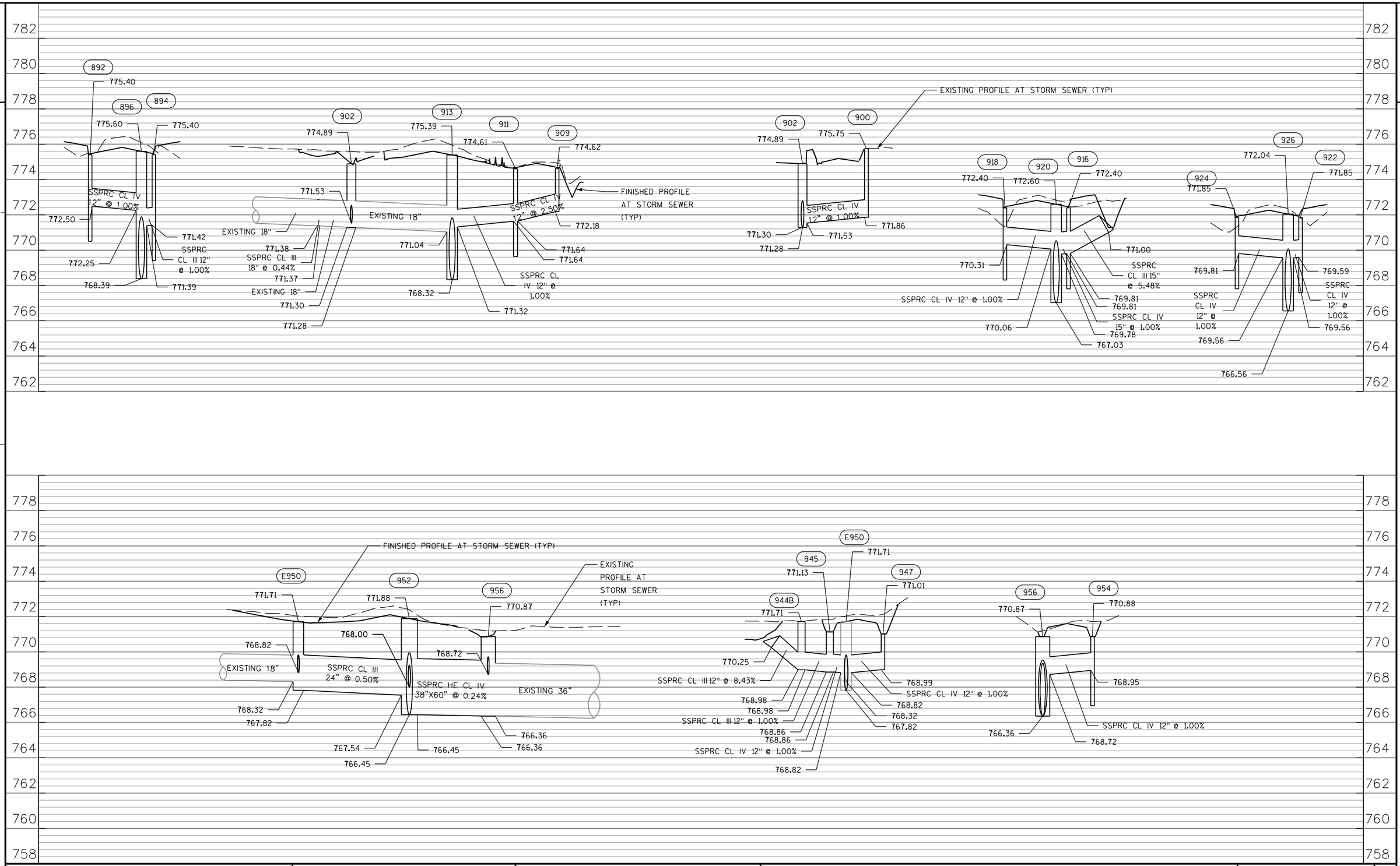
769.72 770.92

SSPRC CL III 12" @ 1.00%

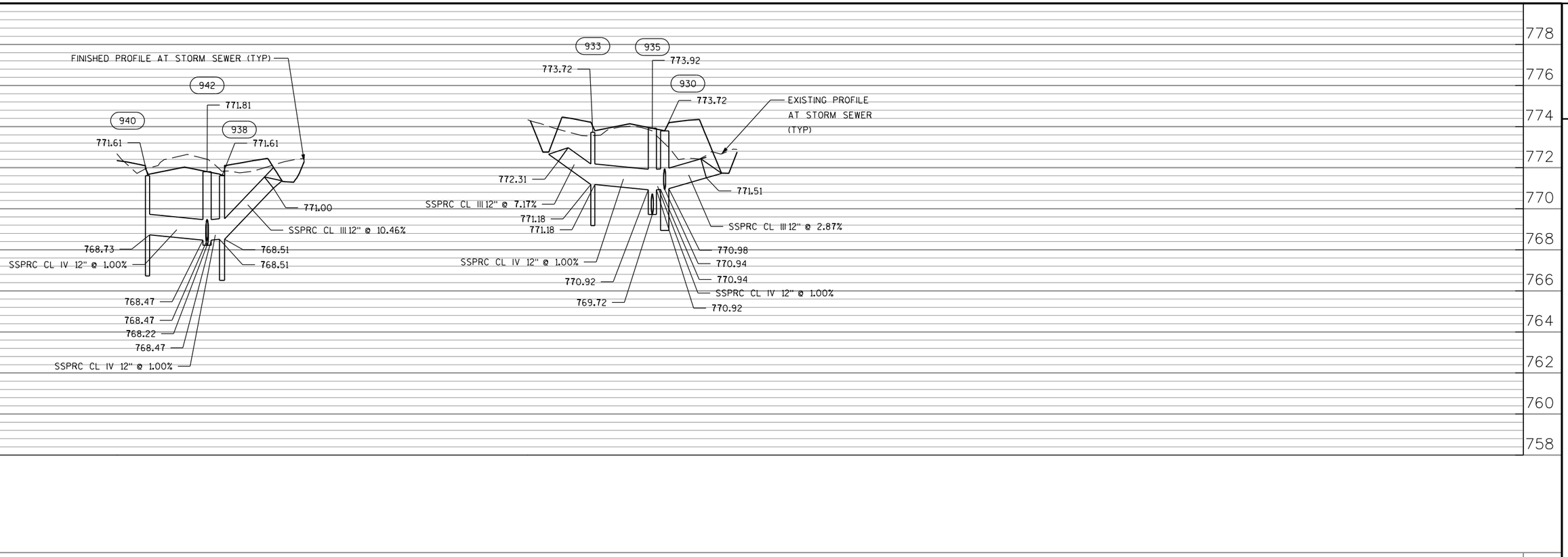
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 115	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022509_SS.dgn PLOT DATE : 10/31/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

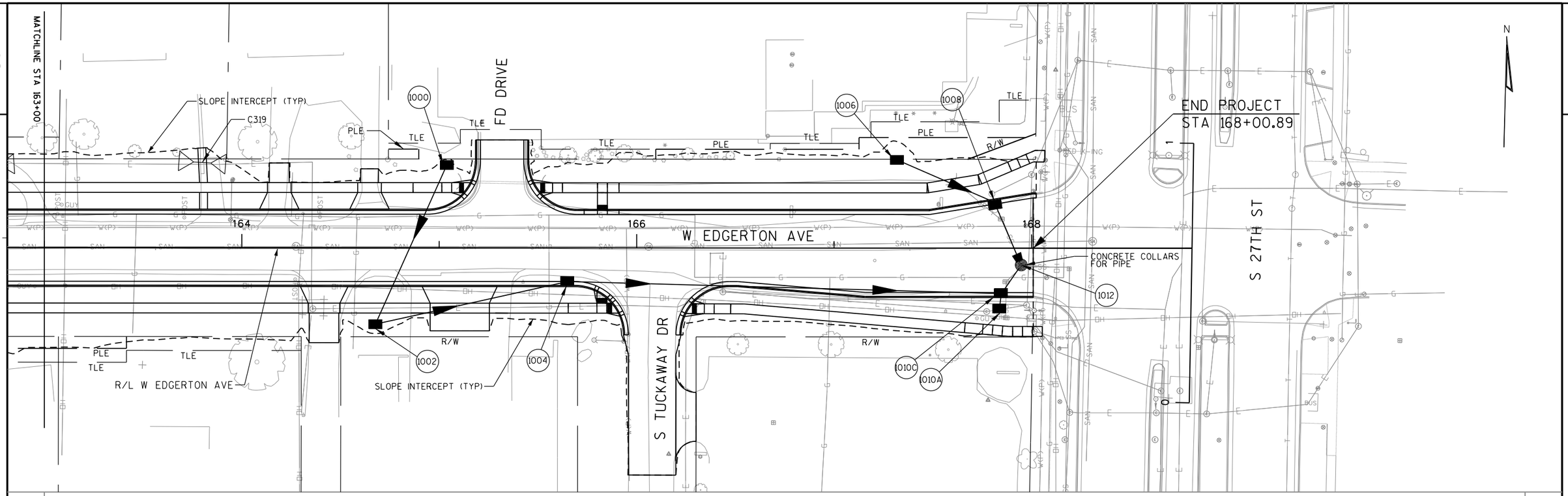


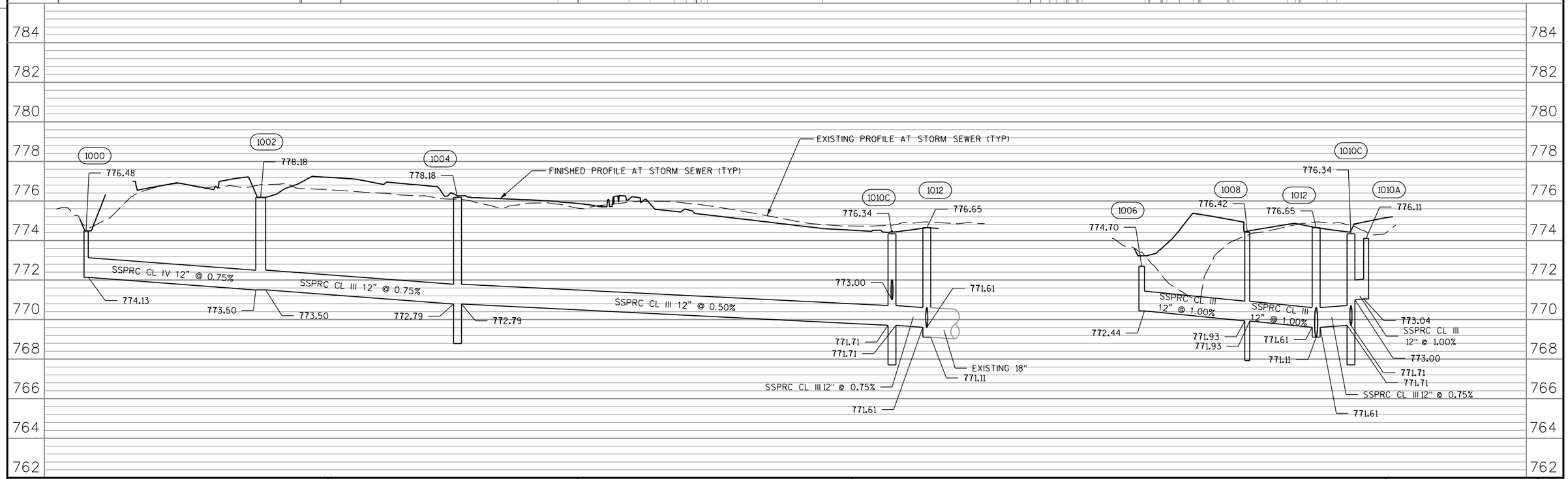
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE LATERALS	SHEET 116	E



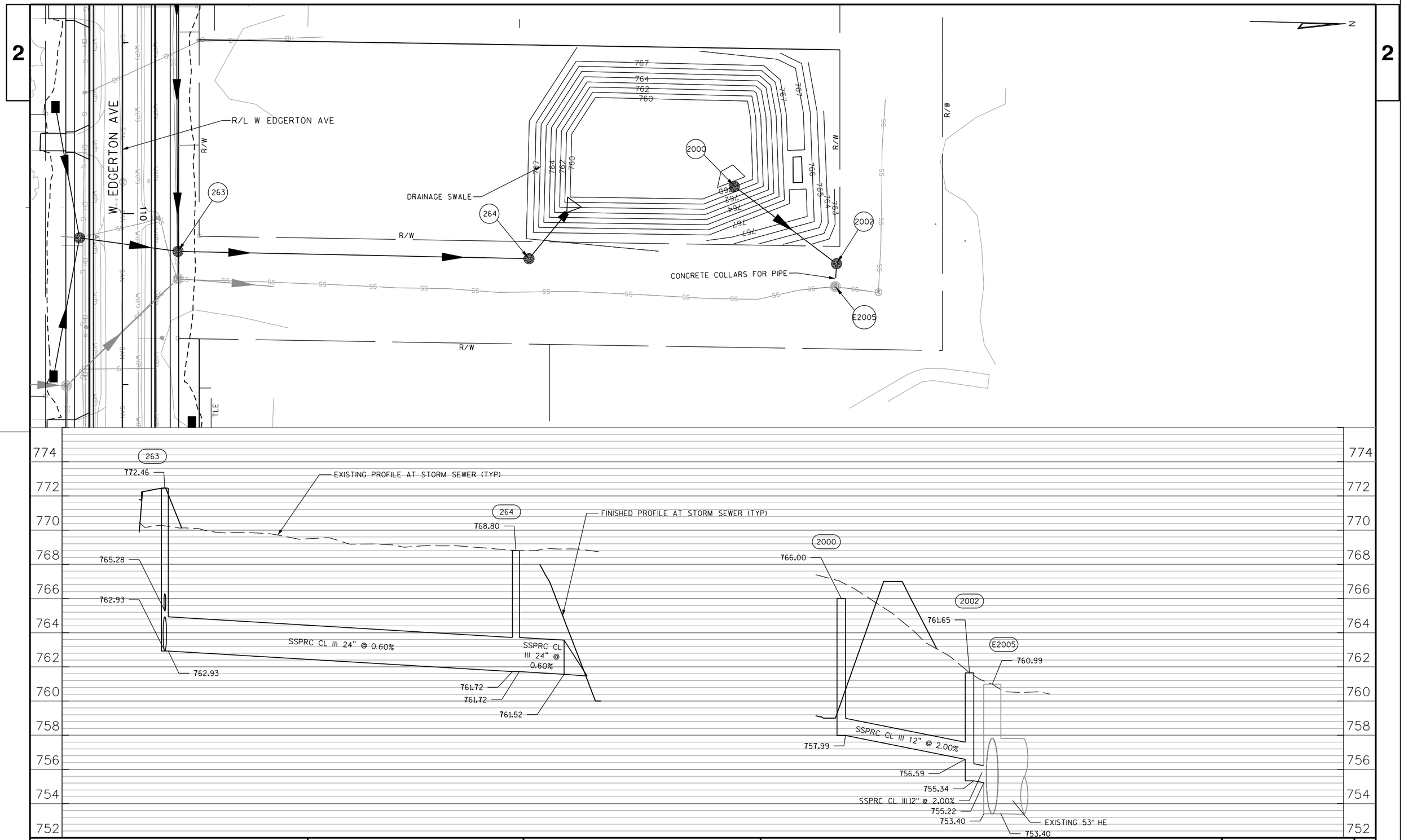
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE LATERALS	SHEET 117	E





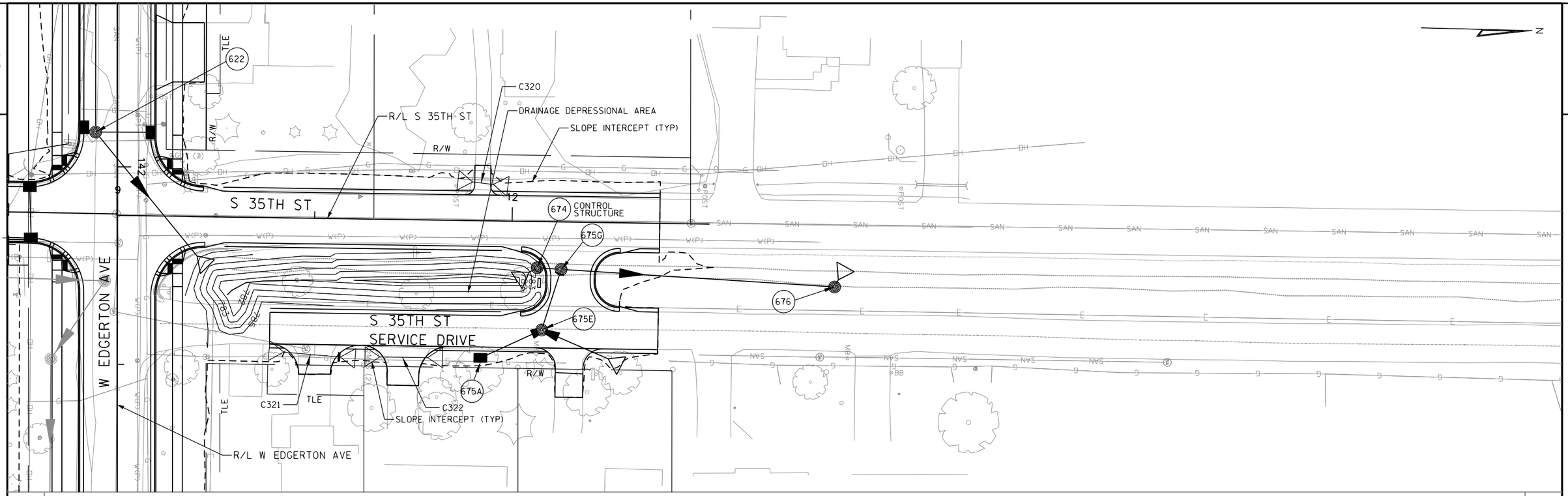
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 118	E



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 119	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\022511_SS.dgn PLOT DATE : 10/31/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	STORM SEWER PLAN AND PROFILE	SHEET 120	E

2

2

101+45.00 MATCH LINE

SIGNING LEGEND

- (PXXX) PROPOSED SIGN
- (MXXX) EXISTING SIGN TO BE MOVED
- (RXXX) EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN
- EXISTING SIGN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (SOLID YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (12.5' LINE, 37.5' SKIP) (YELLOW)
3. PAVEMENT MARKING EPOXY 4-INCH (SOLID WHITE)
4. PAVEMENT MARKING EPOXY 4-INCH (3' LINE, 9' SKIP) (WHITE)
5. PAVEMENT MARKING CROSSWALK EPOXY 6-INCH (SOLID WHITE)
6. PAVEMENT MARKING EPOXY 8-INCH (SOLID WHITE)
7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE)
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING EPOXY ARROWS TYPE 2
10. PAVEMENT MARKING EPOXY ARROWS TYPE 3
11. PAVEMENT MARKING WORDS BIKE LANE EPOXY

N

GUY POLE

P300 SPEED LIMIT 25 R2-1 18"X24"

R200 SPEED LIMIT 25 REMOVE

P376 BIKE LANE R3-17 30"X24"

P377 ENDS R3-17-B 30"X12"

95

100

BEGIN PROJECT STA 95+97.59

S 48TH ST

9+00

8+00

M100

M101

P301 STOP R1-1 30"X30"

R201 STOP REMOVE

P302 BIKE LANE R3-17 30"X24"

BIKE LANE

GUY

ASPH CONC

VLV

POST

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024501_PM - 0245(12)_PM
PLOT DATE : 10/4/2016 9:29 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42

2

2

SIGNING LEGEND

- (PXXX) PROPOSED SIGN
- (MXXX) EXISTING SIGN TO BE MOVED
- (RXXX) EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN
- EXISTING SIGN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (SOLID YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (12.5' LINE, 37.5' SKIP) (YELLOW)
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6. PAVEMENT MARKING EPOXY 8-INCH (SOLID WHITE)
7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE)
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING EPOXY ARROWS TYPE 2
10. PAVEMENT MARKING EPOXY ARROWS TYPE 3
11. PAVEMENT MARKING WORDS BIKE LANE EPOXY

N

109+12.00 MATCH LINE

P303 BIKE LANE R3-17 30"X24"

P306 BIKE LANE R3-17 30"X24"

P304 BIKE LANE R3-17 30"X24"

P305 SPEED LIMIT 25 R2-1 24"X30"

R204 SPEED LIMIT 25 REMOVE

105

W EDGERTON AVE

101+45.00 MATCH LINE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET 122	E

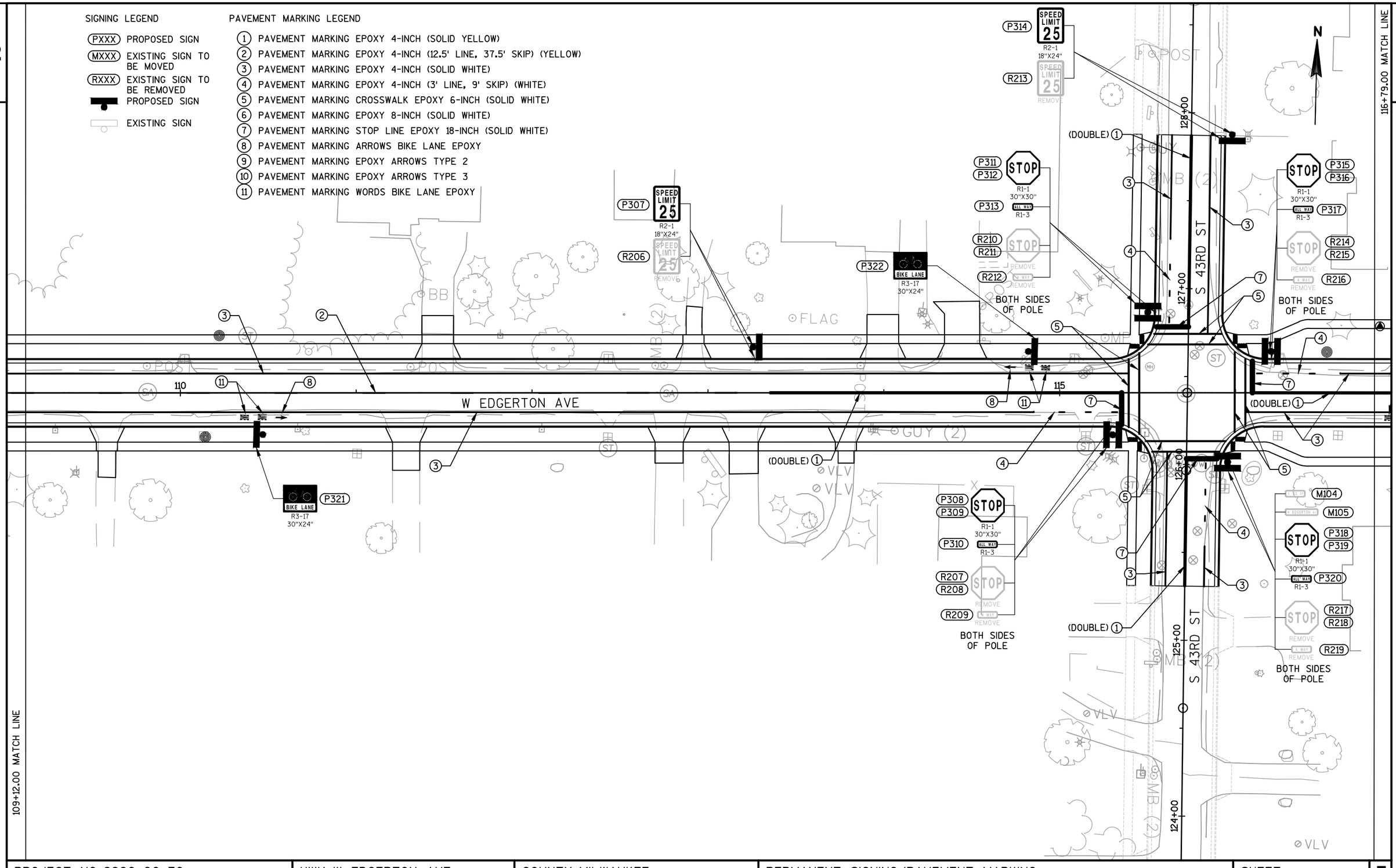
2

SIGNING LEGEND

- (PXXX) PROPOSED SIGN
- (MXXX) EXISTING SIGN TO BE MOVED
- (RXXX) EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN
- EXISTING SIGN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (SOLID YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (12.5' LINE, 37.5' SKIP) (YELLOW)
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6. PAVEMENT MARKING EPOXY 8-INCH (SOLID WHITE)
7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE)
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING EPOXY ARROWS TYPE 2
10. PAVEMENT MARKING EPOXY ARROWS TYPE 3
11. PAVEMENT MARKING WORDS BIKE LANE EPOXY



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET 123	E

2

N

124+46.00 MATCH LINE

116+79.00 MATCH LINE

W EDGERTON AVE

S 41ST ST

S HONEY CREEK DR

12+00

11+00

10+00

9+00

8+00

120

M110

M111

P325 STOP R1-1 30"X30"

R224 STOP REMOVE

P329 BIKE LANE R3-17 30"X24"

P326 SPEED LIMIT 25 R2-1 18"X24"

R225 SPEED LIMIT 25 REMOVE

P327 BIKE LANE R3-17 30"X24"

P323 SPEED LIMIT 25 R2-1 18"X24"

R222 SPEED LIMIT 25 REMOVE

M108

M109

P324 STOP R1-1 30"X30"

R223 STOP REMOVE

P328 BIKE LANE R3-17 30"X24"

POST

GUY

TV

SIGNING LEGEND

- (PXXX) PROPOSED SIGN
- (MXXX) EXISTING SIGN TO BE MOVED
- (RXXX) EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN
- EXISTING SIGN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (SOLID YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (12.5' LINE, 37.5' SKIP) (YELLOW)
3. PAVEMENT MARKING EPOXY 4-INCH (SOLID WHITE)
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6. PAVEMENT MARKING EPOXY 8-INCH (SOLID WHITE)
7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE)
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING EPOXY ARROWS TYPE 2
10. PAVEMENT MARKING EPOXY ARROWS TYPE 3
11. PAVEMENT MARKING WORDS BIKE LANE EPOXY

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET 124	E

SIGNING LEGEND

- (PXXX) PROPOSED SIGN
- (MXXX) EXISTING SIGN TO BE MOVED
- (RXXX) EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN
- EXISTING SIGN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (SOLID YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (12.5' LINE, 37.5' SKIP) (YELLOW)
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4. PAVEMENT MARKING EPOXY 4-INCH (3' LINE, 9' SKIP) (WHITE)
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6. PAVEMENT MARKING EPOXY 8-INCH (SOLID WHITE)
7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE)
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING EPOXY ARROWS TYPE 2
10. PAVEMENT MARKING EPOXY ARROWS TYPE 3
11. PAVEMENT MARKING WORDS BIKE LANE EPOXY

N

132+13.00 MATCH LINE

124+46.00 MATCH LINE

W EDGERTON AVE

S 40TH ST

S MALLARD CIRCLE

12+00

11+00

9+00

8+00

125

130

M114 M115 P330 STOP R1-1 30"X30" R228 STOP REMOVE

M116 M117

P334 BIKE LANE R3-17 30"X24"

P335 SPEED LIMIT 25 R2-1 18"X24" R231 SPEED LIMIT 25 REMOVE

P331 SPEED LIMIT 25 R2-1 18"X24" R229 SPEED LIMIT 25 REMOVE

M118 M119 M120 P332 STOP R1-1 30"X30" R230 STOP REMOVE

P333 BIKE LANE R3-17 30"X24"

M121 PRIVATE ROAD

M122 NO OUTLET

M123

(DOUBLE) 1

GUY POLE

VLV

FLAG POST

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET 125	E

SIGNING LEGEND

- (PXXX) PROPOSED SIGN
- (MXXX) EXISTING SIGN TO BE MOVED
- (RXXX) EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN
- EXISTING SIGN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (SOLID YELLOW)
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6. PAVEMENT MARKING EPOXY 8-INCH (SOLID WHITE)
7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE)
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING EPOXY ARROWS TYPE 2
10. PAVEMENT MARKING EPOXY ARROWS TYPE 3
11. PAVEMENT MARKING WORDS BIKE LANE EPOXY

2

2

N

139+80.00 MATCH LINE

132+13.00 MATCH LINE

S 37TH ST

S 36TH ST

W EDGERTON AVE

11+00

12+00

9+00

135

M126 M127 P336 STOP R1-1 30"X30" R234 STOP REMOVE

(DOUBLE)1

P341 BIKE LANE R3-17 30"X24"

M130 M131 P338 STOP R1-1 30"X30" R236 STOP REMOVE

P339 NO OUTLET W14-2 24"X24"

P340 BIKE LANE R3-17 30"X24"

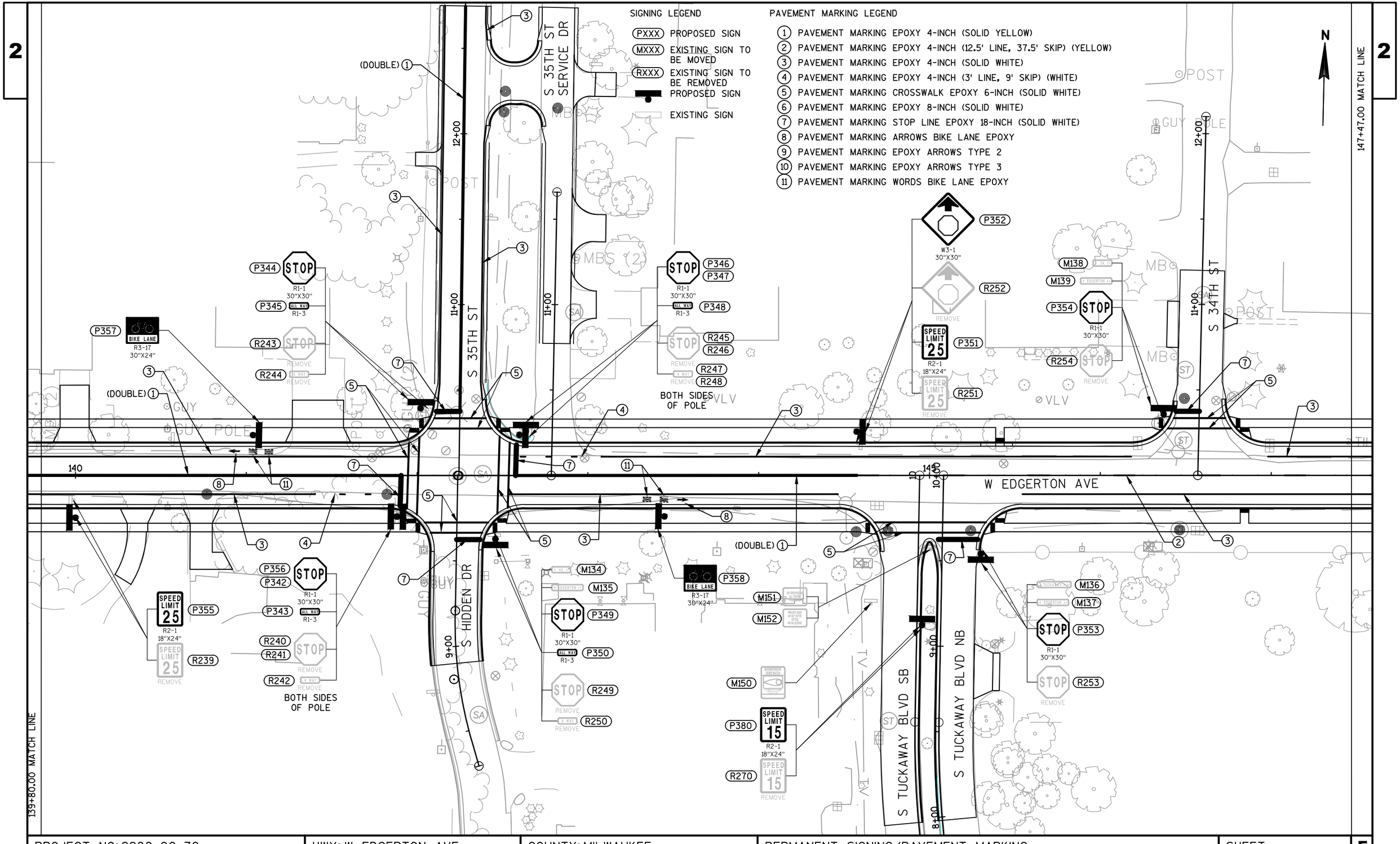
R237 NO OUTLET REMOVE

M128 M129 STOP P337 R1-1 30"X30" STOP R235 REMOVE

POST GUY POLE SA

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\024501_PM.DWG
LAYOUT NAME - 024501_PM - 0245(17)_PM
PLOT DATE : 10/4/2016 9:30 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 42



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET 127	E

SIGNING LEGEND

- (PXXX) PROPOSED SIGN
- (MXXX) EXISTING SIGN TO BE MOVED
- (RXXX) EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN
- EXISTING SIGN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (SOLID YELLOW)
2. PAVEMENT MARKING EPOXY 4-INCH (12.5' LINE, 37.5' SKIP) (YELLOW)
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6. PAVEMENT MARKING EPOXY 8-INCH (SOLID WHITE)
7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE)
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING EPOXY ARROWS TYPE 2
10. PAVEMENT MARKING EPOXY ARROWS TYPE 3
11. PAVEMENT MARKING WORDS BIKE LANE EPOXY

N

2

2

155+14.00 MATCH LINE

147+47.00 MATCH LINE

W EDGERTON AVE

150

155

P359 BIKE LANE R3-17 30"X24"

P360 BIKE LANE R3-17 30"X24"

P361 SPEED LIMIT 25 R2-1 18"X24"

R257 SPEED LIMIT 25 REMOVE

P362 SPEED LIMIT 25 R2-1 18"X24"

R258 SPEED LIMIT 25 REMOVE

P363 BIKE LANE R3-17 30"X24"

P364 BIKE LANE R3-17 30"X24"

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET 128	E

162+81.00 MATCH LINE

155+14.00 MATCH LINE

N

S 31ST ST

S 30TH ST

W EDGERTON AVE

12+00

11+00

10+00

9+00

8+00

160

STOP P365 R1-1 30"X30"

STOP R261 REMOVE

SPEED LIMIT 25 P367 R2-1 18"X24"

SPEED LIMIT 25 R263 REMOVE

P368 STOP R1-1 30"X30"

STOP R264 REMOVE

P369 BIKE LANE R3-17 30"X24"

M142

M143

STOP P366 R1-1 30"X30"

STOP R262 REMOVE

M144

M145

BIKE LANE P370 R3-17 30"X24"

STOP P371 R1-1 30"X30"

STOP R265 REMOVE

SPEED LIMIT 25 P372 R2-1 18"X24"

SPEED LIMIT 25 R266 REMOVE

SIGNING LEGEND

- (PXXX) PROPOSED SIGN
- (MXXX) EXISTING SIGN TO BE MOVED
- (RXXX) EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN
- EXISTING SIGN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (SOLID YELLOW)
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7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE)
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING EPOXY ARROWS TYPE 2
10. PAVEMENT MARKING EPOXY ARROWS TYPE 3
11. PAVEMENT MARKING WORDS BIKE LANE EPOXY

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET 129	E

2

N

W EDGERTON AVE

S TUCKAWAY DR

S 27TH ST

165

9+00

162+81.00 MATCH LINE

END PROJECT
STA 168+00.89

P374 SPEED LIMIT 25 R2-1 18"X24"

R269 SPEED LIMIT 25 REMOVE

M148

P373 BIKE LANE R3-17 30"X24"

M149 Welcome to Greenfield Pulse of Progress

P382 241 M1-6 24"X24" M6-4 21"X21" J3-1 24"X45"

P381 241 M1-6 24"X24" M6-4 21"X21" J3-1 24"X45"

(DOUBLE) 1

P378 BIKE LANE R3-17 30"X24"

P379 ENDS R3-17-B 30"X12"

P370 ONLY R3-8-A 36"X30"

BIKE LANE ENDS

SIGNING LEGEND

- (PXXX) PROPOSED SIGN
- (MXXX) EXISTING SIGN TO BE MOVED
- (RXXX) EXISTING SIGN TO BE REMOVED
- PROPOSED SIGN
- EXISTING SIGN

PAVEMENT MARKING LEGEND

1. PAVEMENT MARKING EPOXY 4-INCH (SOLID YELLOW)
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7. PAVEMENT MARKING STOP LINE EPOXY 18-INCH (SOLID WHITE)
8. PAVEMENT MARKING ARROWS BIKE LANE EPOXY
9. PAVEMENT MARKING EPOXY ARROWS TYPE 2
10. PAVEMENT MARKING EPOXY ARROWS TYPE 3
11. PAVEMENT MARKING WORDS BIKE LANE EPOXY
12. PAVEMENT MARKING EPOXY 8-INCH (3' LINE, 9' SKIP) (WHITE)

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PERMANENT SIGNING/PAVEMENT MARKING	SHEET 130 E

2

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET
  XX-XX-X-X
  - LUMINAIRE
  - POLE TYPE
  - POLE NUMBER
  - CIRCUIT
  - DISTRIBUTION CENTER

N

MATCHLINE STA 103+00

STA 97+47.22, 25.0'LT
16-C6-5-A

2"C, EMPTY
CAP END

2"C, 4#6,C,N,D,GND
TO PB-16-3

SLOPE INTERCEPT (TYP)

R/L W EDGERTON AVE

STA 99+8.83, 25.0'LT
16-D5-5-A

STA 100+83.73, 23.0'LT
16-C5-5-A

STA 102+57.58, 23.0'LT
16-D4-5-A

R/W

96 98 100 102

W EDGERTON AVE

BEGIN PROJECT
STA 95+97.59

S 48TH ST

SLOPE INTERCEPT (TYP)

ASPH CONC

POST

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 131	E

2

MATCHLINE STA 103+00

MATCHLINE STA 110+50

2

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET XX-XX-X-X
  - LUMINAIRE
  - POLE TYPE
  - POLE NUMBER
  - CIRCUIT
  - DISTRIBUTION CENTER

N

STA 104+32.38, 25.0'LT
16-C4-5-A

2"C, 4#6,C,N,D,GND
FROM PB-16-3
TO 16-C6

STA 106+06.42, 25.0'LT
16-D3-5-A

SLOPE INTERCEPT (TYP)

STA 107+79.43, 25.0'LT
16-C3-5-A

STA 109+50.16, 25.0'LT
16-D2-5-A

R/L W EDGERTON AVE

R/W

104

106

108

110

W EDGERTON AVE

SLOPE INTERCEPT (TYP)

FLAG

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 132	E

2

MATCHLINE STA 110+50

MATCHLINE STA 118+00

2

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET
  XX-XX-X-X
  - LUMINAIRE
  - POLE TYPE
  - POLE NUMBER
  - CIRCUIT
  - DISTRIBUTION CENTER

N

STA 111+18.02, 25.0'LT
16-C2-5-A

STA 113+04.77, 25.0'LT
16-D1-5-A

STA 114+86.11, 25.0'LT
16-C1-5-A

2"C, 4#6,C,N,D,GND
TO 16-C6

STA 117+95.74, 27.5'LT
16-B1-5-A

STA 116+03.46, 35.9'LT
PB-16-3

STA 116+63.64, 27.5'LT
16-A1-5-A

2"C, 4#6,A,N,B,GND
TO 16-B8

SLOPE INTERCEPT (TYP)

R/L W EDGERTON AVE

R/W

S 43RD ST

W EDGERTON AVE

3"C, 8#6,A,N,B,GND;C,N,D,GND
TO #16 LIGHTING CONTROL CABINET

2"C, EMPTY

EXISTING PB-16-1

EXISTING LCC #16
(LCC = LIGHTING CONTROL CABINET)

EXISTING PB-16-2

112 114 116 118 126 128 124

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 133	E

MATCHLINE STA 118+00

MATCHLINE STA 125+50

2

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET XX-XX-X-X
  - L — LUMINAIRE
  - POLE TYPE
  - POLE NUMBER
  - CIRCUIT
  - DISTRIBUTION CENTER

N

STA 119+06.75, 23.0'LT
16-A2-5-A

2"C, 4#6,A,N,B,GND
FROM PB-16-3
TO 16-B8

STA 120+75.60, 23.0'LT
16-B2-5-A

S 41ST ST

SLOPE INTERCEPT (TYP)

STA 122+49.05, 23.0'LT
16-A3-5-A

STA 124+26.03, 23.0'LT
16-B3-5-A

S 40TH ST

R/W

118

120

122

124

W EDGERTON AVE

2"C, EMPTY
STA 119+54.14, 35.6'RT
PB-16-6

2"C, EMPTY

S HONEY CREEK DR

STA 120+21.30, 36.5'RT
PB-16-7

2"C, EMPTY

SLOPE INTERCEPT (TYP)

R/L W EDGERTON AVE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 134	E

2

MATCHLINE STA 125+50

MATCHLINE STA 133+00

2

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET

XX-XX-X-X
- XX — LUMINAIRE
- XX — POLE TYPE
- XX — POLE NUMBER
- X — CIRCUIT
- X — DISTRIBUTION CENTER

N

S. 40TH ST

12

STA 125+98.96, 23.0'LT
16-A4-5-A

2"C, 4#6,A,N,B,GND
FROM PB-16-3
TO 16-B8

SLOPE INTERCEPT (TYP)

STA 127+74.60, 23.0'LT
16-B4-5-A

STA 129+57.21, 23.0'LT
16-A5-5-A

STA 131+30.49, 23.0'LT
16-B5-5-A

R/W

R/W

R/W

126

128

130

132

W EDGERTON AVE

R/W

R/L W EDGERTON AVE

GUY

GUY POLE

R/W

SLOPE INTERCEPT (TYP)

S MALLARD CIRCLE

8

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 135	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\023505_lp.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

2

MATCHLINE STA 133+00

MATCHLINE STA 140+50

2

N

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET
  XX-XX-X-X
  - LUMINAIRE
  - POLE TYPE
  - POLE NUMBER
  - CIRCUIT
  - DISTRIBUTION CENTER

S 37TH ST

S 36TH ST

W EDGERTON AVE

R/L W EDGERTON AVE

STA 133+33.05, 23.0'LT
16-A6-5-A

STA 133+68.80, 23.8'LT
PB-16-4

2"C, EMPTY
CAP END

2"C, 4#6,A,N,B,GND
FROM PB-16-3
TO 16-B8

STA 134+97.29, 23.0'LT
16-B6-5-A

SLOPE INTERCEPT (TYP)

STA 136+76.17, 23.0'LT
16-A7-5-A

STA 138+58.37, 24.3'LT
PB-16-5

2"C, EMPTY
CAP END

STA 138+31.64, 23.0'LT
16-B7-5-A

STA 140+30.49, 23.0'LT
16-A8-5-A

2"C, 4#6,A,N,B,GND
TO 16-B8

R/W

134

136

138

140

2"C, 4#6,A,N,B,GND
FROM PB-16-3

2"C, 4#6,A,N,B,GND
TO 16-B7

2"C, 4#6,A,N,B,GND
2"C, EMPTY
BETWEEN 16-A6 TO PB-16-4
EMPTY CONDUIT FOR FUTURE
SPLICE IN 16-A6 FOR LIGHTING ON 37TH.

SLOPE INTERCEPT (TYP)

2"C, 4#6,A,N,B,GND
2"C, EMPTY
BETWEEN 16-B7 TO PB-16-5.
EMPTY CONDUIT FOR FUTURE
SPLICE IN 16-B7 FOR LIGHTING ON 36TH.

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 136	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\023506_lp.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

2

MATCHLINE STA 140+50

MATCHLINE STA 148+00

2

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET
  XX-XX-X-X
  - L LUMINAIRE
  - POLE TYPE
  - POLE NUMBER
  - CIRCUIT
  - DISTRIBUTION CENTER

N

S 35TH ST

S 34TH ST

W EDGERTON AVE

S HIDDEN DR

TUCKAWAY BLVD

STA 142+40.93, 54.6'LT
PB-30-5

DRAINAGE DEPRESSIONAL AREA

STA 143+27.20, 23.0'LT
30-D4-5-A

SLOPE INTERCEPT (TYP)

2"C, 4#6,C,N,D,GND
TO 30-C1

STA 144+87.58, 23.0'LT
30-C4-5-A
DISCONNECT AND TAPE UP THE "C" CONDUCTOR GOING TO POLE 30-D4. DO NOT REMOVE. CONDUCTOR WILL BE USED IN FUTURE.

STA 146+98.09, 23.0'LT
30-D3-5-A

2"C, EMPTY
CAP END

STA 141+65.67, 24.5'LT
16-B8-5-A

2"C, 4#6,A,N,B,GND
TO PB-16-3

2"C, EMPTY

R/W

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

142

144

146

148

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 137	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\023507_lp.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

2

MATCHLINE STA 148+00

MATCHLINE STA 155+50

2

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET XX-XX-X-X
  - LUMINAIRE
  - POLE TYPE
  - POLE NUMBER
  - CIRCUIT
  - DISTRIBUTION CENTER

N

STA 148+62.53, 23.0'LT
30-C3-5-A

STA 150+35.32, 23.0'LT
30-D2-5-A

2"C, 4#6,C,N,D,GND
30-C1 TO 30-D4

STA 152+09.47, 23.0'LT
30-C2-5-A

STA 153+87.81, 23.0'LT
30-D1-5-A

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

R/W

R/W

148

150

152

154

W EDGERTON AVE

R/W

R/W

SLOPE INTERCEPT (TYP)

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 138	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\023508_lp.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

MATCHLINE STA 155+50

MATCHLINE STA 163+00

2

N

NOTES:

1) 2"C, EMPTY FROM LIGHTING CABINET #30 TO STUB OUTS AT PB-30-1 AND PB-30-2.

2) 3"C,8#6,A,N,B,GND; C,N,D,GND AND 3"C, EMPTY FROM CABINET #30 TO PB-30-4 VIA PB-30-3. ONE SET OF CABLES TO EAST AND ONE TO THE WEST.

3) 2"C,4#6,C,N,D,GND FROM PB-30-4 TO POLE 30-C1.

4) 2"C, EMPTY STUB OUT FROM PB-30-4.

S 31ST ST

S 30TH ST

W EDGERTON AVE

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

R/W

CAP END

2"C, EMPTY TO PB-30-4

STA 155+55.14, 23.0'LT
30-C1-5-A SEE NOTE 3

STA 155+58.94, 22.6'LT
PB-30-4 SEE NOTE 4

2"C, 4#6,A,N,B,GND TO 30-A4

STA 157+31.55, 23.0'LT
30-A1-5-A

STA 159+22.41, 23.0'LT
30-B1-5-A

STA 159+95.5, 23.6'LT
PB-30-6

2"C,EMPTY
CAP END

STA 162+59.22, 23.0'LT
30-B2-5-A

STA 160+97.11, 23.0'LT
30-A2-5-A

156

158

160

162

SEE NOTE 2

STA 156+24.04, 37.3'RT
PB-30-2 SEE NOTE 1

NOTE 1 TO CABINET #30

STA 155+56.68, 23.3'RT
PB-30-3 SEE NOTE 2

STA 155+73.50, 37.7'RT
PB-30-1 SEE NOTE 1

STA 155+61.18, 42.2'RT
LCC #30
(LCC = LIGHTING CONTROL CABINET)

3"C, 8#6,A,N,B,GND; C,N,D,GND
3"C, EMPTY

2"C, 4#6,A,N,B,GND
2"C,EMPTY
BETWEEN 30-B1 AND PB-30-6.
EMPTY CONDUIT FOR FUTURE SPLICE IN 30-B1 FOR LIGHTING ON 30TH.

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET
  XX-XX-X-X
  - LUMINAIRE
  - POLE TYPE
  - POLE NUMBER
  - CIRCUIT
  - DISTRIBUTION CENTER

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 139	E

2

MATCHLINE STA 163+00

2

LEGEND

- PROPOSED CONDUIT
- PROPOSED SINGLE ARM POLE
- PROPOSED PULL BOX 24" X 42"
- PROPOSED LIGHTING CABINET
- CONDUIT STUBOUT
- STATION - OFFSET

XX-XX-X-X
- LUMINAIRE
- POLE TYPE
- POLE NUMBER
- CIRCUIT
- DISTRIBUTION CENTER

N

SLOPE INTERCEPT (TYP)

STA 163+98.17, 23.0'LT
30-A3-5-A

STA 165+69.84, 23.0'LT
30-B3-5-A

FD DRIVE

STA 167+24.00, 23.0'LT
30-A4-5-A

2"C, 4#6,A,N,B,GND
TO 30-A1. DO NOT ENERGIZE "B" CONDUCTOR IN CABLE TO 30-A4. TAPE OFF.

2"C, EMPTY
CAP END

END PROJECT
STA 168+00.89

164

166

168

R/W

W EDGERTON AVE

R/L W EDGERTON AVE

SLOPE INTERCEPT (TYP)

S TUCKAWAY DR

S 27TH ST

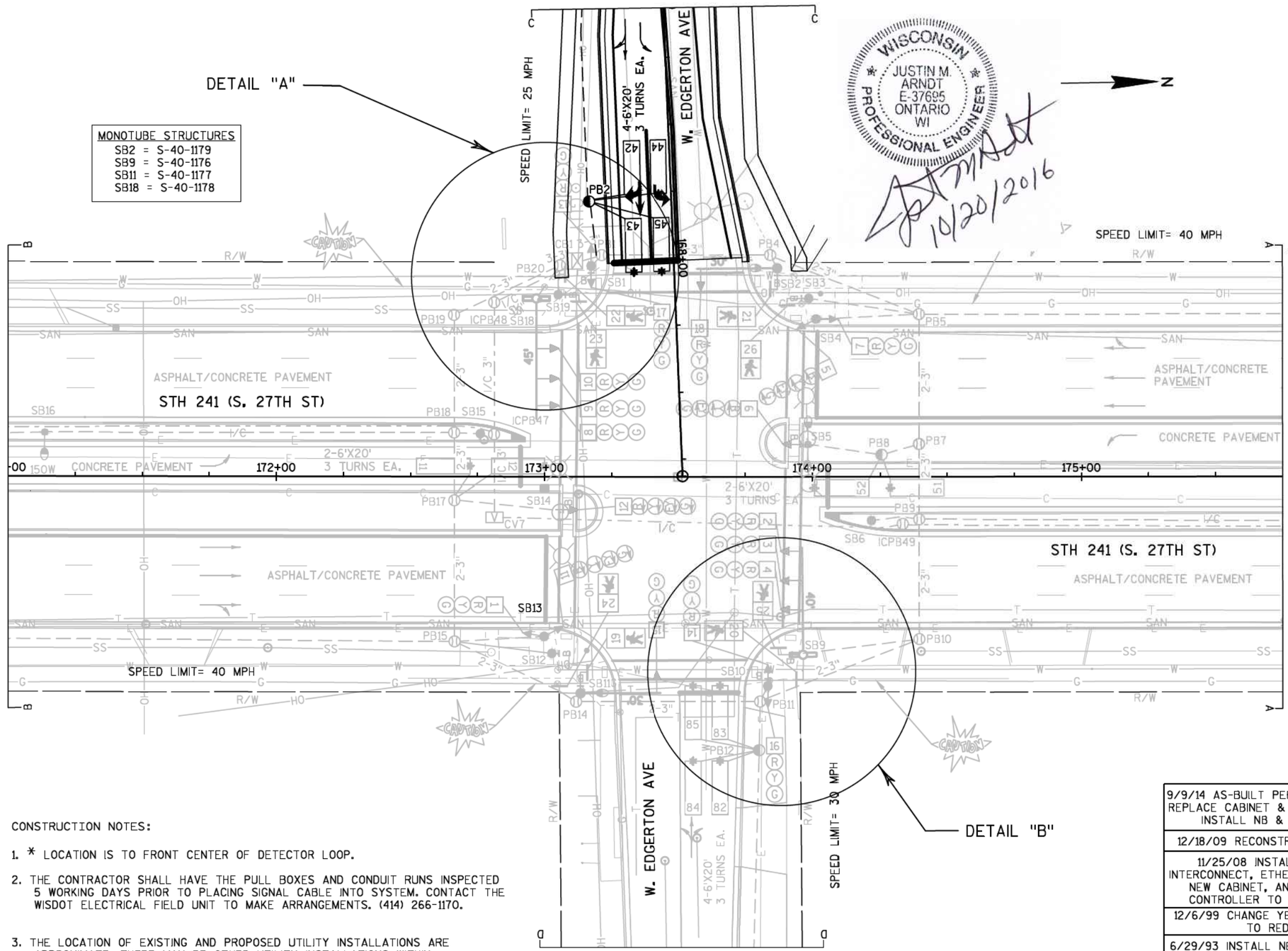
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	LIGHTING PLANS	SHEET 140	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\Storm Sewer and Lighting\023510_lp.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:50

WISDOT/CADDS SHEET 41

DETAIL "A"

MONOTUBE STRUCTURES
SB2 = S-40-1179
SB9 = S-40-1176
SB11 = S-40-1177
SB18 = S-40-1178



DETAIL "B"

WISCONSIN
JUSTIN M. ARNDT
E-37695
ONTARIO WI
PROFESSIONAL ENGINEER
10/20/2016

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- Y YELLOW ARROW
- G GREEN ARROW
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- V COMMUNICATIONS VAULT
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE 250 WATT HPS UNLESS OTHERWISE NOTED.

REVISION				
REV. NO.	REPLACE EB LOOP DETECTORS; REPLACE PB2 AND PB3			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
6	10/20/16	AJO	10/26/16	CAB

9/9/14 AS-BUILT PER 2265-10-70; REPLACE CABINET & CONTROLLER; INSTALL NB & SB FYA
12/18/09 RECONSTRUCT SIGNAL
11/25/08 INSTALL RADIO INTERCONNECT, ETHERNET SWITCH, NEW CABINET, AND CHANGE CONTROLLER TO EPAC M52
12/6/99 CHANGE YELLOW FLASH TO RED
6/29/93 INSTALL NB & SB LEFT TURN ARROWS, LOOP DETECTORS AND NEW CONTROLLER
1973 INITIAL INSTALL

TRAFFIC CONTROL SIGNAL
STH 241 & W. EDGERTON AVENUE
CITIES: GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY
CABINET TYPE: TS2
SIGNAL NO. S40-1152 CONTROLLER TYPE: ECONOLITE

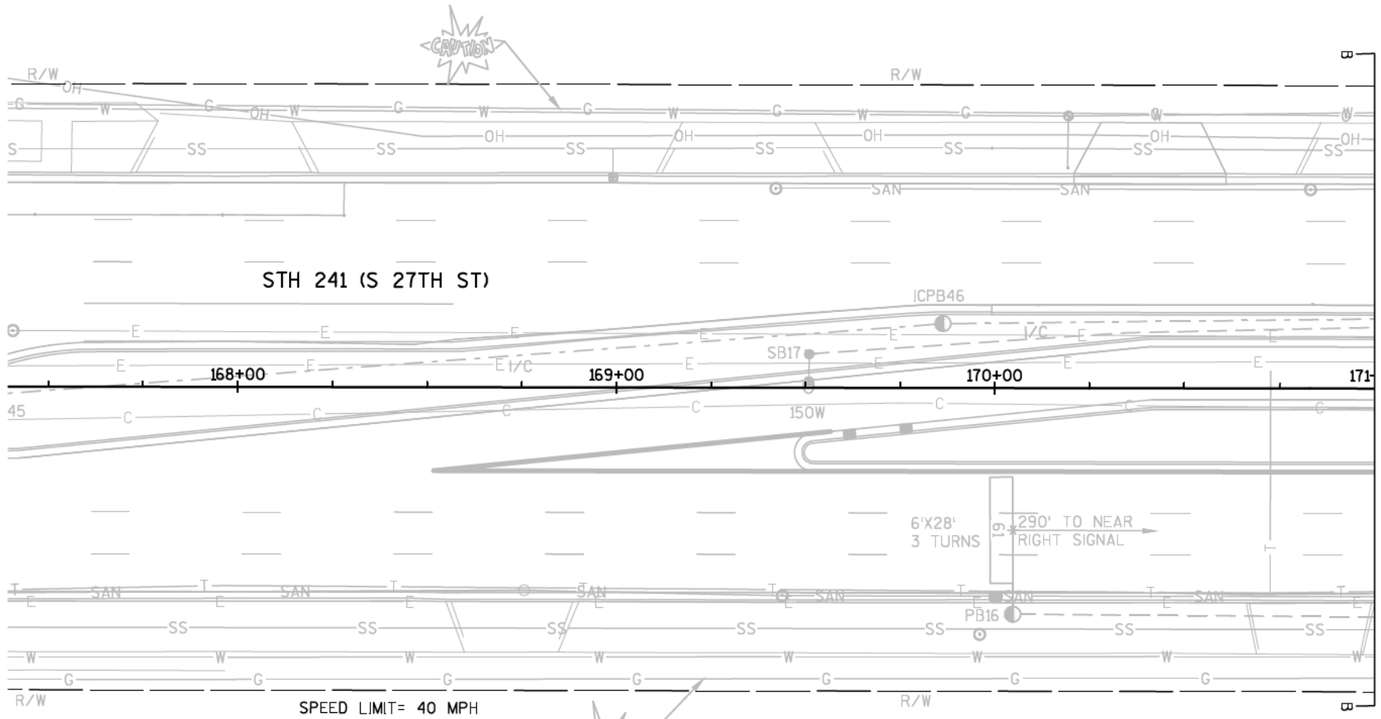
WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED
DATE 9/11/73 ROBERT MOE, REGION TRAFFIC ENGINEER
APPROVED
DATE 9/18/73 WAYNE VOLK, STATE TRAFFIC ENGINEER

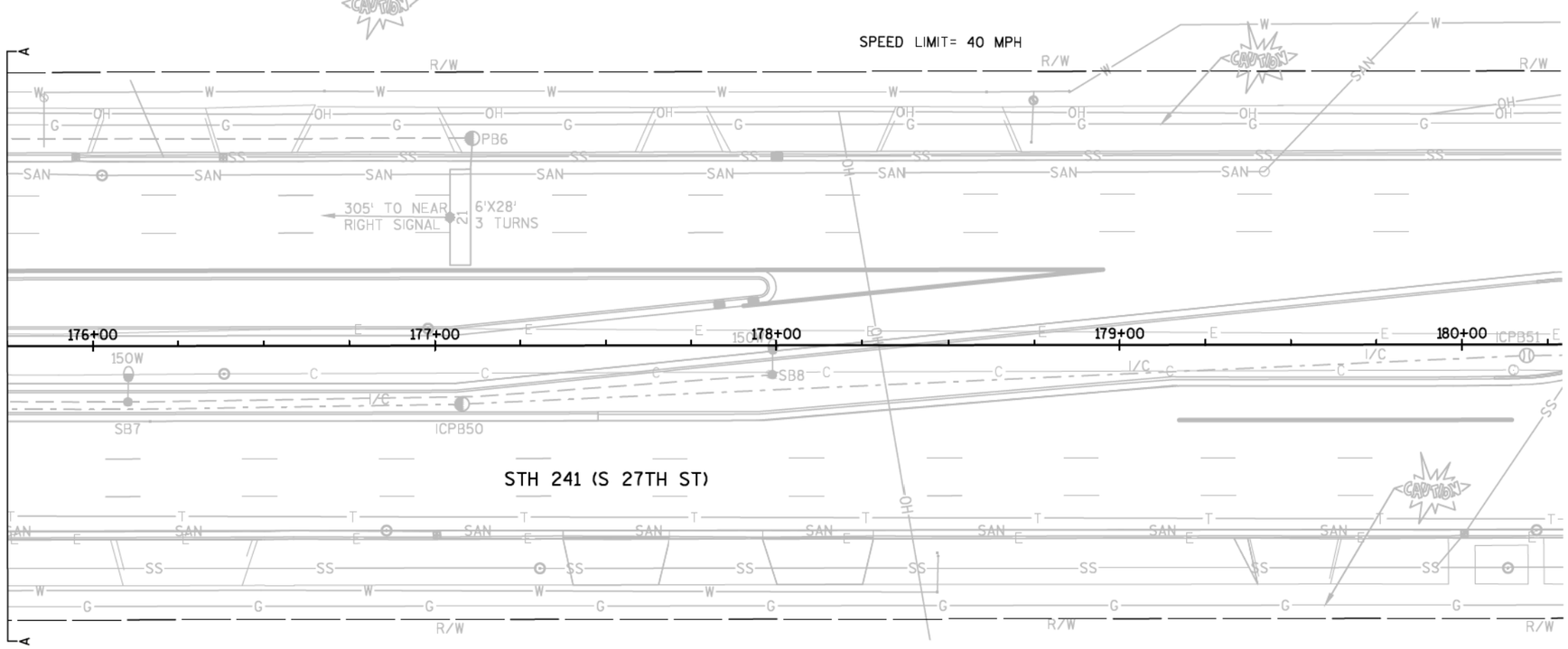
REGION CONTACT: D. DEDRICK
DESIGNED BY:
REVISED BY: KAPUR & ASSOCIATES
PAGE 1 OF 4

PROJECT NO: 2980-00-70	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 141	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSOTHER\STORM SEWER AND LIGHTING\SIGNALS\S40-1152_F.DWG
LAYOUT NAME - S40-1152_E_PG1
PLOT DATE : 10/4/2016 9:31 AM PLOT BY : WALTER A. WOLAK II PLOT NAME :
PLOT SCALE : 1" - 40'_XREF

2





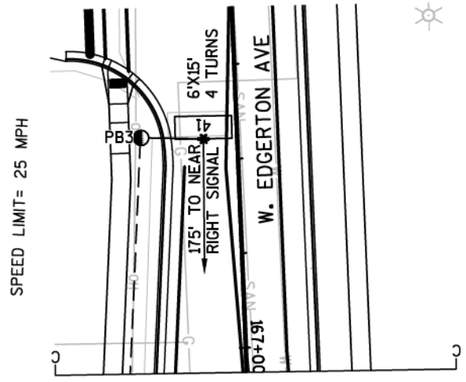
TRAFFIC CONTROL SIGNAL
STH 241 & W. EDGERTON AVENUE
CITIES: GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1152

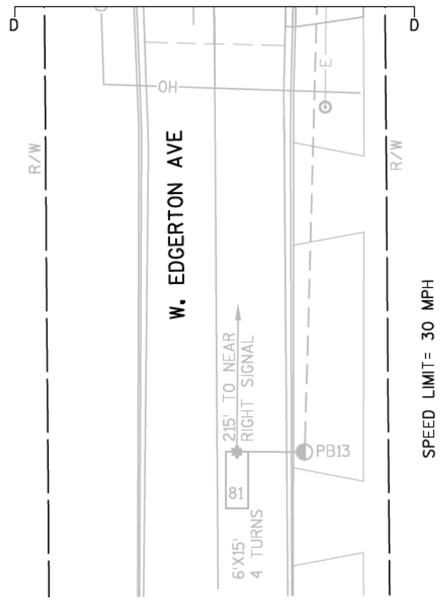
REGION CONTACT: D. DEDRICK
DESIGNED BY:
REVISED BY: KAPUR & ASSOCIATES

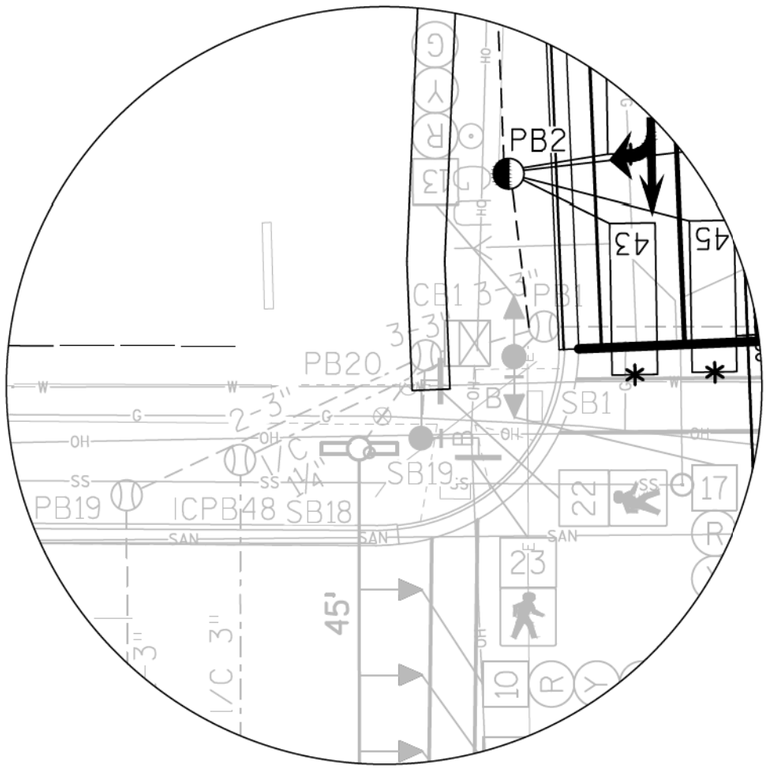
PAGE 2 OF 4

PROJECT NO: 2980-00-70	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 142	E

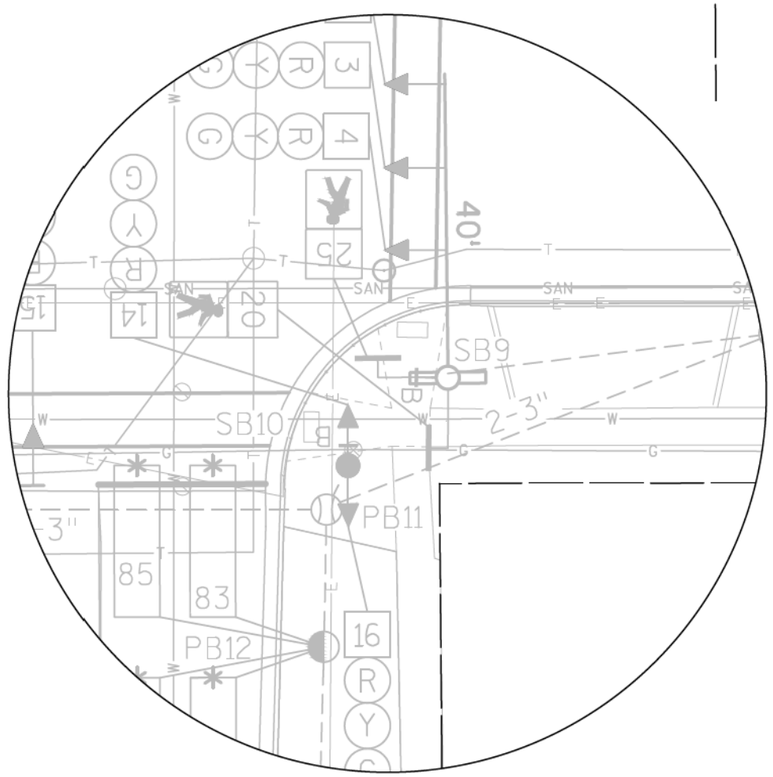


N





DETAIL "A"
SCALE = 1:20



DETAIL "B"
SCALE = 1:20

TRAFFIC CONTROL SIGNAL
STH 241 & W. EDGERTON AVENUE
CITIES: GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1152

REGION CONTACT: D. DEDRICK
DESIGNED BY:
REVISED BY: KAPUR & ASSOCIATES

PAGE 3 OF 4

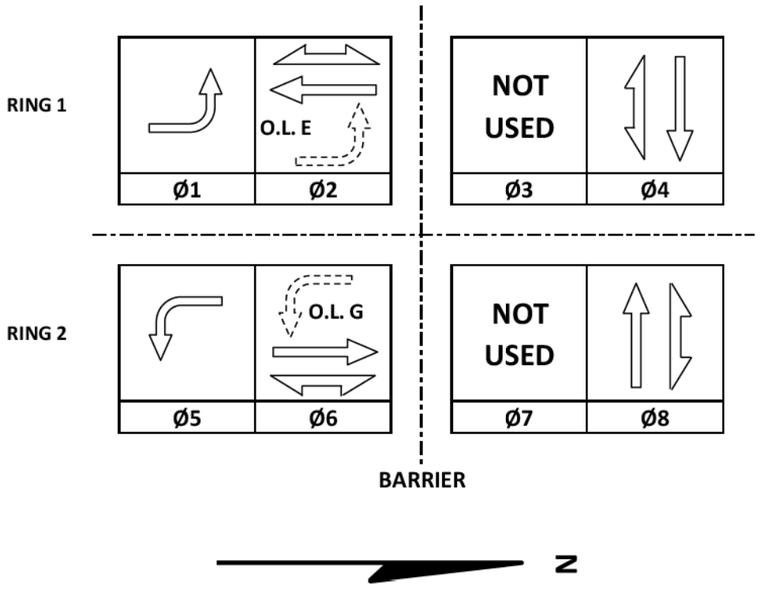
PROJECT NO: 2980-00-70	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL PLAN	SHEET 143	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSOTHER\STORM SEWER AND LIGHTING\SIGNALS\S40-1152_F.DWG
LAYOUT NAME - S40-1152_E_PG3

PLOT DATE : 10/4/2016 9:32 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" - 40'_XREF

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	5,6	R ←
Ø2	7,8,9,10	R
Ø3		
Ø4	13,14,15	R
Ø5	11,12	R ←
Ø6	1,2,3,4	R
Ø7		
Ø8	16,17,18	R
Ø2P	21,22	
Ø4P	23,24	
Ø6P	19,20	
Ø8P	25,26	
OLE	5,6	-
OLF		
OLG	11,12	-
OLH		



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3				
4		8		X
5		2		X
6	X	2	MIN	X
7				
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	X
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS- 00-63

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	X
RAILROAD	
EMERGENCY VEHICLE	
GTT	
TOMAR	
HARDWIRE	
OTHER	
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	41	11,12	51,52	44	84	81		
CALLED PHASE	4	1	5	4	8	8		
CALL OPTION		X	X	X	X			
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X		
EXTEND TIME	X					X		
USE ADDED INITIAL								
CROSS SWITCH PHASE		2	6					

19	17	23	21	27	25	31	29	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	42,43	21	61	45	85	82,83		
CALLED PHASE	4	2	6	4	8	8		
CALL OPTION	X	X	X	X	X	X		
DELAY TIME				X	X	X		
EXTENTION OPTION	X	X	X	X	X	X		
EXTEND TIME								
USE ADDED INITIAL		X	X					
CROSS SWITCH PHASE								

20	18	24	22	28	26	32	30	DETECTOR INPUT
								PLAN LOOP DETECTOR*(S)
								CALLED PHASE
								CALL OPTION
								DELAY TIME
								EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

STH 241 & W. EDGERTON AVENUE
CITIES: GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO: S40-1152 CABINET TYPE: TS2
CONTROLLER TYPE: ECONOLITE
DATE: 8/16 PAGE NO. 4 OF 4

2

DETAIL "A"

MONOTUBE STRUCTURES
SB2 = S-40-1179
SB9 = S-40-1176
SB11 = S-40-1177
SB18 = S-40-1178

SPEED LIMIT= 25 MPH

W. EDGERTON AVE

ABANDON

SPEED LIMIT= 40 MPH

ASPHALT/CONCRETE PAVEMENT

STH 241 (S. 27TH ST)

CONCRETE PAVEMENT

2-6'X20' 3 TURNS EA.

4-6'X20' 3 TURNS EA.

CAUTION

172+00 173+00 174+00 175+00

198+00

SPEED LIMIT= 30 MPH

DETAIL "B"

WISCONSIN
JUSTIN M. ARNDT
E-37695
ONTARIO
WI
PROFESSIONAL ENGINEER
10/20/2016

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- R RED ARROW
- FY YELLOW ARROW
- G GREEN ARROW
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- V COMMUNICATIONS VAULT
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

CONSTRUCTION NOTES:

1. THE LOCATIONS OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

2. EXISTING CONSUID RUNS NO LONGER USED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY EXISTING TRAFFIC SIGNAL CABLE AND TRAFFIC SIGNAL WIRE NO LONGER USED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION.

3. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRES AND LEAD-IN CABLE TO BE REMOVED BY CONTRACTOR.

TRAFFIC CONTROL SIGNAL
STH 241 & W. EDGERTON AVENUE
CITIES: GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1152

REGION CONTACT: D. DEDRICK
DESIGNED BY:
REVISED BY: KAPUR & ASSOCIATES

PAGE 1 of 2

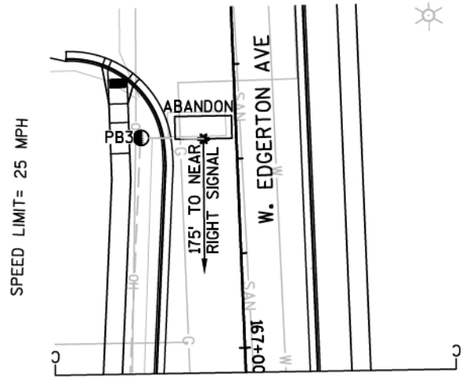
PROJECT NO: 2980-00-70	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 145	E

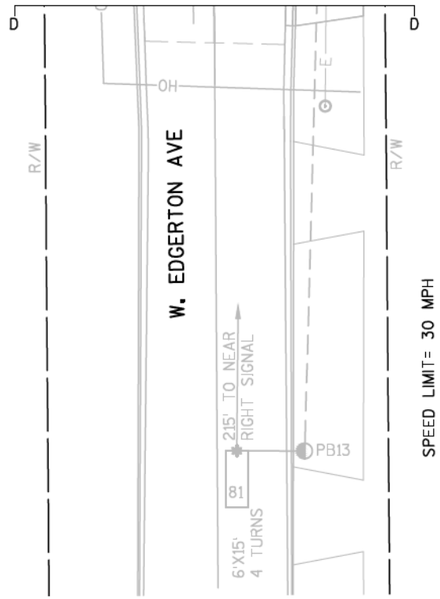
CONSTRUCTION NOTES:

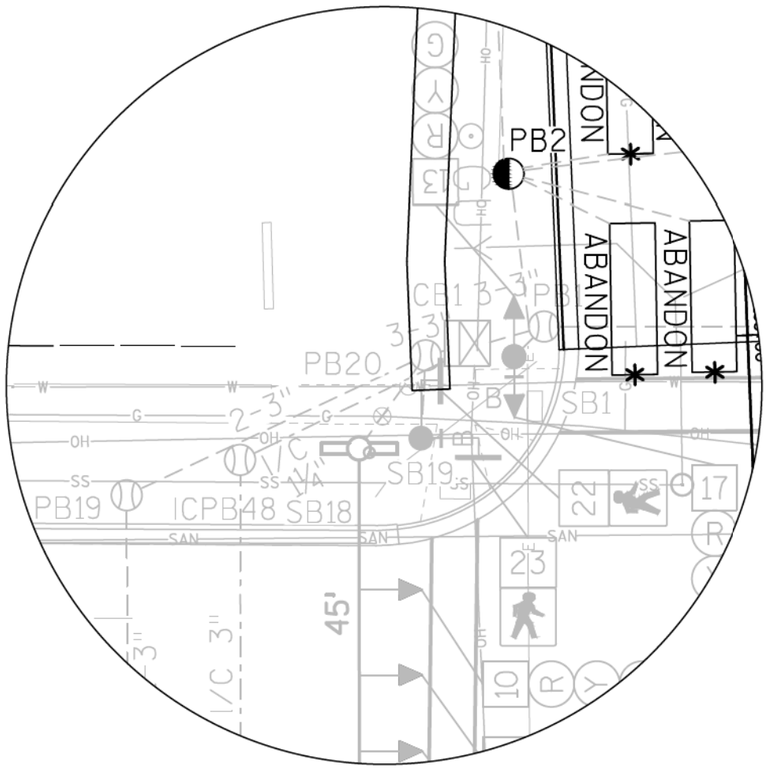
1. THE LOCATIONS OF THE EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

2. EXISTING CONSUID RUNS NO LONGER USED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY EXISTING TRAFFIC SIGNAL CABLE AND TRAFFIC SIGNAL WIRE NO LONGER USED FOR THE PROPOSED TRAFFIC SIGNAL INSTALLATION.

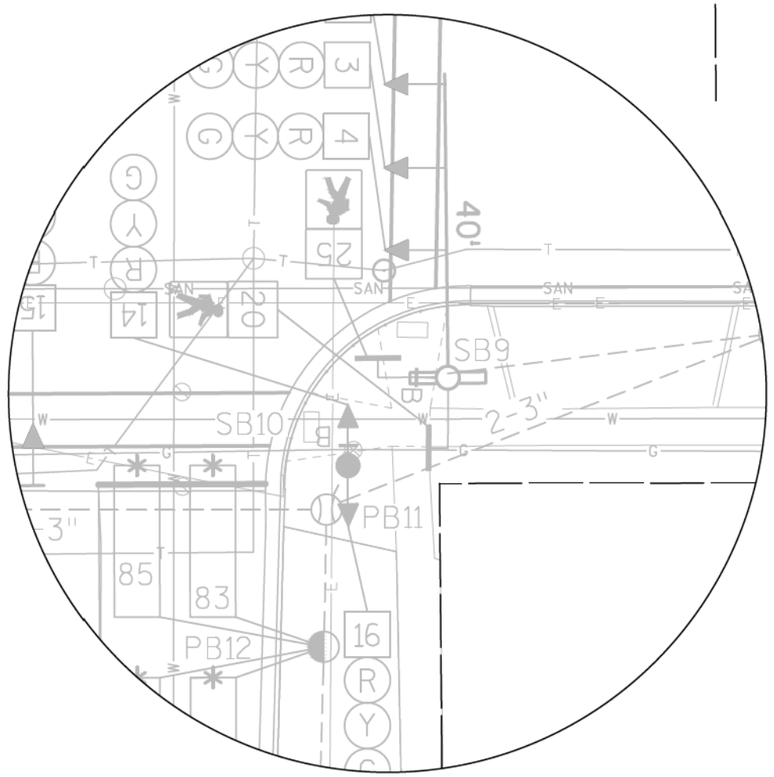
3. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRES AND LEAD-IN CABLE TO BE REMOVED BY CONTRACTOR.







DETAIL "A"
SCALE = 1:20



DETAIL "B"
SCALE = 1:20

TRAFFIC CONTROL SIGNAL
STH 241 & W. EDGERTON AVENUE
CITIES: GREENFIELD/MILWAUKEE
MILWAUKEE COUNTY

SIGNAL NO. S40-1152

REGION CONTACT: D. DEDRICK
DESIGNED BY:
REVISED BY: KAPUR & ASSOCIATES

PAGE 2 of 2

PROJECT NO: 2980-00-70	HWY: STH 241	COUNTY: MILWAUKEE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 146	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSOTHER\STORM SEWER AND LIGHTING\SIGNALS\S40-1152_REMOVALS.DWG
LAYOUT NAME - S40-1152_E_PG3

PLOT DATE : 10/4/2016 9:33 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" - 40'_XREF

NOTES:

1) EDGERTON AVE CLOSED TO THRU TRAFFIC. MAINTAIN ACCESS TO ALL RESIDENTS THROUGHOUT CONSTRUCTION. SEE SDD BARRICADES AND SIGNS FOR MAINLINE CLOSURES FOR TRAFFIC CONTROL LAYOUT.

2) 43RD STREET MAY BE CLOSED TO THRU TRAFFIC FOR 28 DAYS. OTHERWISE 43RD STREET TO REMAIN OPEN FOR THE REMAINDER OF CONSTRUCTION.

3) LOCAL STREET CLOSED TO THRU TRAFFIC. SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 4 FOR TRAFFIC CONTROL LAYOUT.

4) ONLY ACCESS TO RESIDENTS IS FROM EDGERTON AVENUE. ACCESS MUST BE MAINTAINED AT ALL TIMES. SEE SDD BARRICADES AND SIGNS FOR SIDEROAD CLOSURES DETAIL 4 FOR TRAFFIC CONTROL LAYOUT.

LEGEND

WORKZONE

2

2

N

W LOOMIS RD

W EDGERTON AVE

S 48TH ST

S 43RD ST

S 41ST ST

S 40TH ST

S 37TH ST

S 36TH ST

S 35TH ST

S 34TH ST

S 31ST ST

S 30TH ST

S 27TH ST

S HONEY CREEK DR

S MALLARD CIRCLE

S HIDDEN DR

TUCKAWAY BLVD

S TUCKAWAY DR

SEE NOTE 1

SEE NOTES 2 & 3

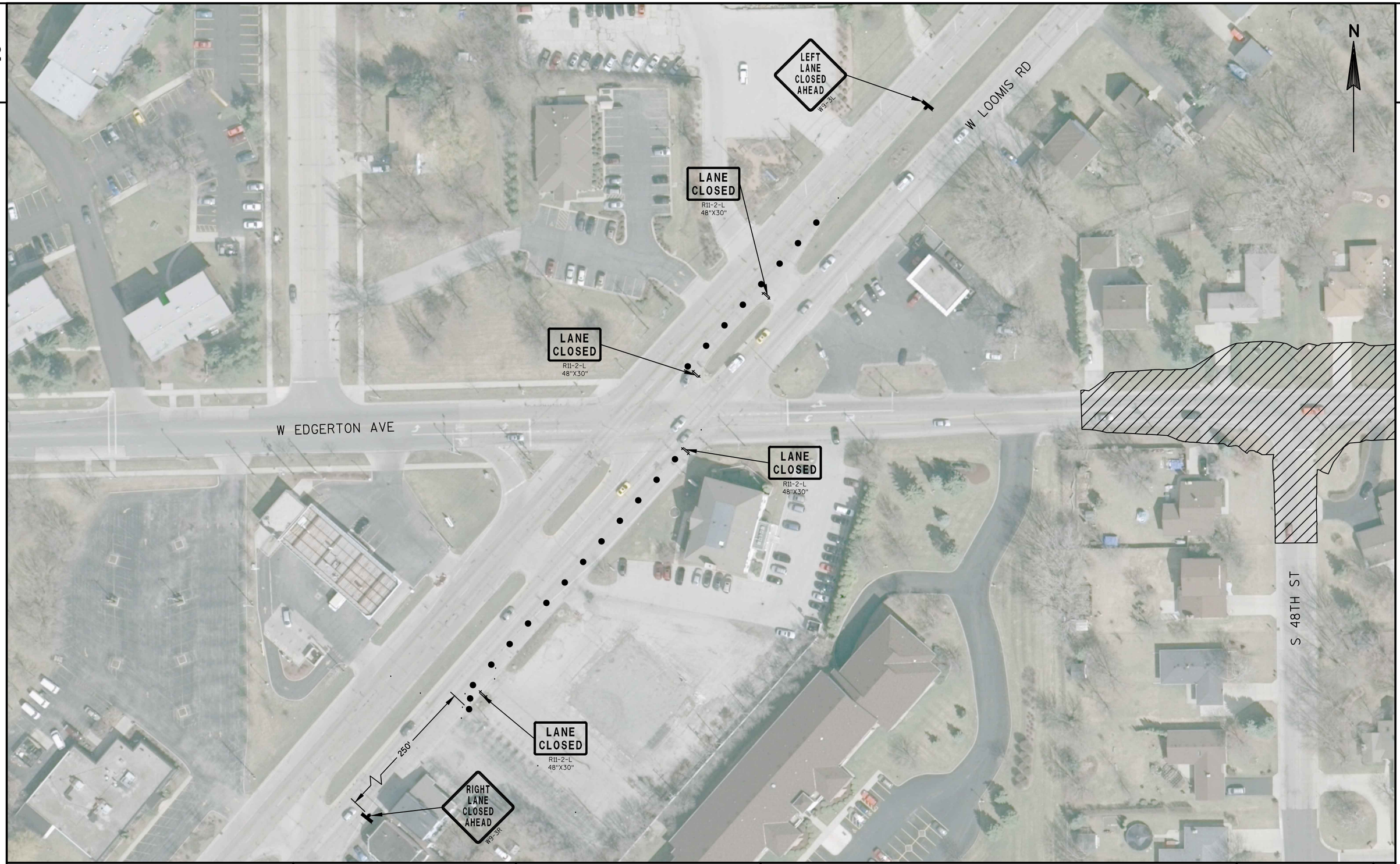
SEE NOTE 3

SEE NOTE 4

SEE TRAFFIC CONTROL W LOOMIS RD FOR MORE DETAIL

SEE TRAFFIC CONTROL S 27TH STREET FOR MORE DETAIL

PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TRAFFIC CONTROL PLAN	SHEET 147 E



PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TRAFFIC CONTROL W LOOMIS RD	SHEET 148 E

2

2

N

LANE CLOSED
R11-2-L
48"X30"

S 27TH ST

250'

LEFT LANE CLOSED AHEAD
W9-3L

LANE CLOSED
R11-2-L
48"X30"

W EDGERTON AVE

PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	TRAFFIC CONTROL S 27TH ST	SHEET 149 E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\025003_TC.DWG PLOT DATE : 10/4/2016 11:43 AM PLOT BY : WALTER A. WOLAK II PLOT NAME :

WISDOT/CADDS SHEET 42

2

LEGEND

WORKZONE

DETOUR ROUTE

1 — DETOUR AHEAD — W20-2-A — 48" X 48"

2 — DETOUR — M4-8 — 24"X12"

3 — W. EDGERTON AVE — FMS — 54" X 12"

4 — END DETOUR — M4-8A — 24"X18"

5 — M06-1 — 21"X21"

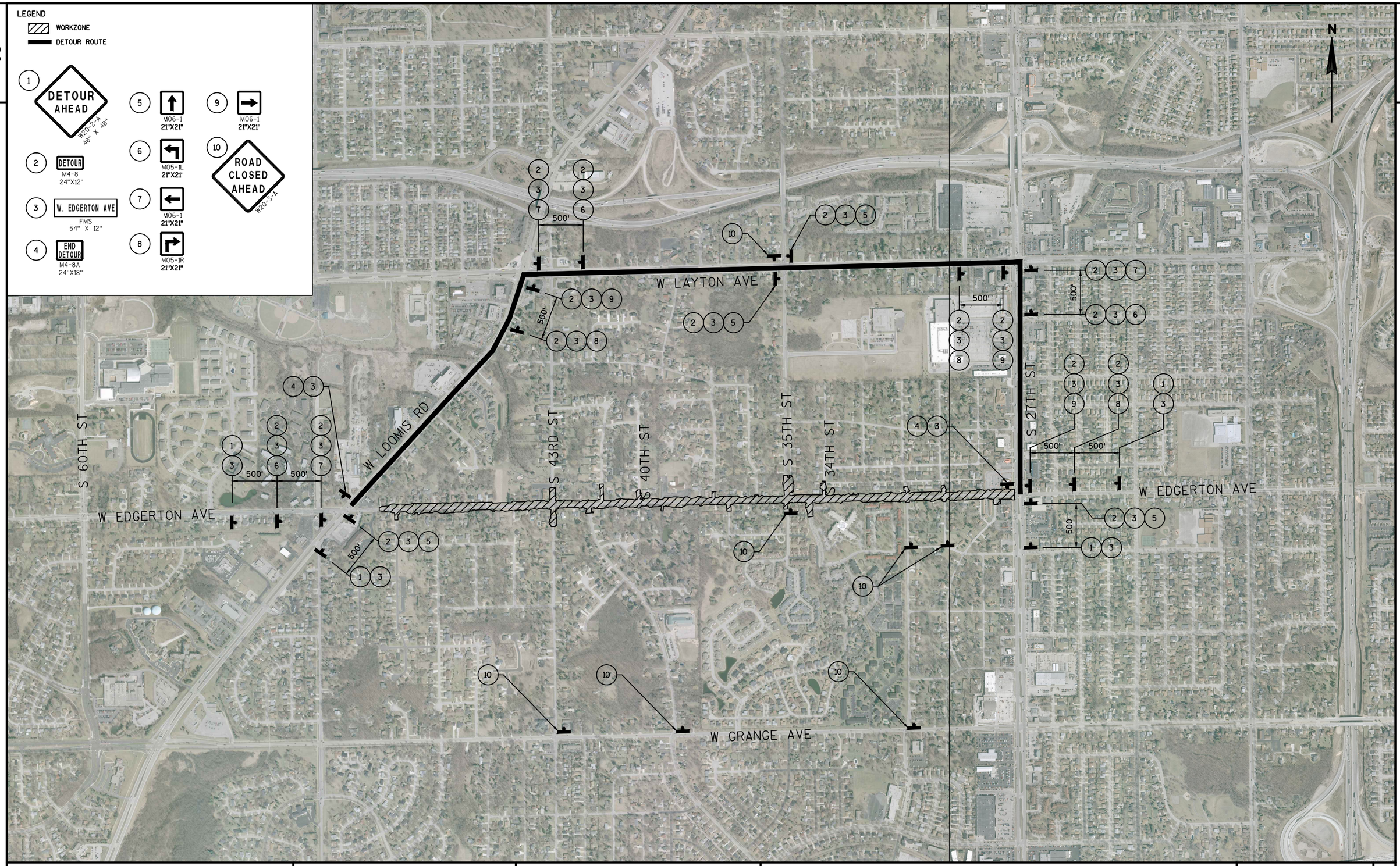
6 — M05-1L — 21"X21"

7 — M06-1 — 21"X21"

8 — M05-1R — 21"X21"

9 — M06-1 — 21"X21"

10 — ROAD CLOSED AHEAD — W20-3-A



2

PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	DETOUR PLAN	SHEET 150	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\026001_CS.DWG PLOT DATE : 11/15/2016 8:59 AM PLOT BY : WALTER A. WOLAK II PLOT NAME :

WISDOT/CADDS SHEET 42

NOTES:

1) SIGNS ON THIS SHEET TO BE PAID UNDER THE ITEM "TRAFFIC CONTROL SIGNS AND FIXED MESSAGE".

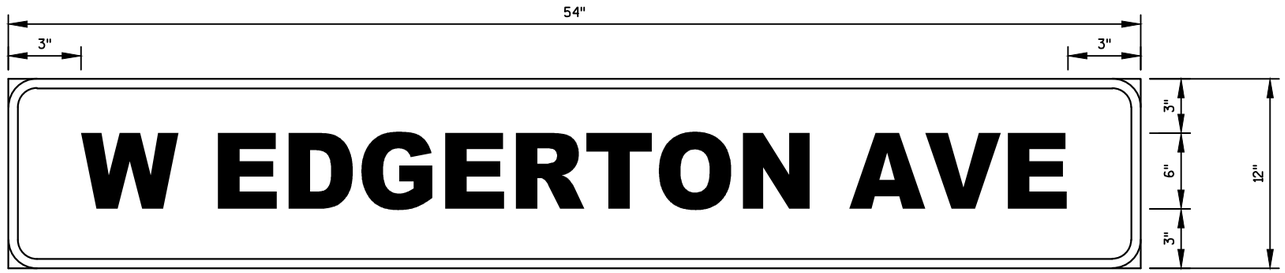
2) SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON ORANGE REFLECTIVE BACKGROUND PER STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS UNLESS OTHERWISE NOTED.

3) ALL SIGNS SHALL HAVE CAPITAL LETTERS AND NUMERALS" 6" CAPS SHALL BE SERIES "C".

4) CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO MANUFACTURING.

5) SIGN BASE MATERIAL SHALL BE ACCORDING TO SECTION 637.2.1.2 AND 643.2.9.3.

6) DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



3

PROJECT NO: 2980-00-70	HWY: W. EDGERTON AVE	COUNTY: MILWAUKEE	DETOUR PLAN FIXED MESSAGE SIGN	SHEET 151	E

2

2

N

96+90.00 MATCH LINE

PI: 89+04.05

R/L EDGERTON AVE

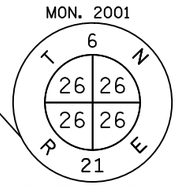
N88° 34' 32"E
2668.50'

82+00 83+00 84+00 85+00 86+00 87+00 88+00 89+00 90+00 91+00 92+00 93+00 94+00 95+00 96+00 97+00

W EDGERTON AVE

N88° 35' 49"E
2669.57'

MON. 2001



CONCRETE MON.
W/ BRASS CAP
Y = 353574.41
X = 2541135.58
PI STA 89+04.05

BEGIN PROJECT
STA 95+97.59
X = 2541828.898
Y = 353591.649

96+90.00 MATCH LINE

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	ALIGNMENT	SHEET	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\ADML- EDGERTON 76 TO 27 - (1) - (3).DWG
LAYOUT NAME - 027201_AD (5)

PLOT DATE : 10/4/2016 9:33 AM PLOT BY : WALTER A. WOLAK II PLOT NAME :

PLOT SCALE : 1" = 100'_XREF

WISDOT/CADDS SHEET 42

2

N

111+65.00 MATCH LINE

N88° 34' 32"E
2668.50'

EP: 10+00.00

R/L W EDGERTON AVE

97+00 98+00 99+00 100+00 101+00 102+00 103+00 104+00 105+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00

W EDGERTON AVE

N88° 34' 32"E
2668.50'

STA 97+91.17 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 48TH ST

N0° 40' 40"W
225.00'

9+00

R/L S 48TH ST

S 48TH ST

8+00

BP: 7+75.00

96+90.00 MATCH LINE

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	ALIGNMENT	SHEET 153	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\ADML- EDGERTON 76 TO 27 - (1) - (3).DWG
LAYOUT NAME - 027201_AD (6)

PLOT DATE : 10/4/2016 9:33 AM PLOT BY : WALTER A. WOLAK II PLOT NAME :

PLOT SCALE : 1" = 100'_XREF

WISDOT/CADDS SHEET 42

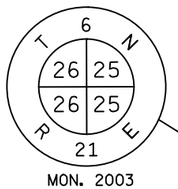
2

PI: 131+01.58

130+00

PI: 129+51.56

NOTCHES IN
MANHOLE RIM
W/ BRASS CAP
Y = 353640.74
X = 2543803.26
PI STA 115+72.55



MON. 2003

128+00

S 43RD ST

PI: 115+72.55

N0° 32' 04"W
355.07'

N88° 34' 32"E
2668.50'

N88° 38' 17"E
2651.30'

R/L W EDGERTON AVE

STA 119+92.35 R/L W EDGERTON AVE=
STA 10+00.00 R/L S HONEY CREEK DR

EP: 12+50.00

R/L S 41ST ST

12+00

N0° 38' 20"W
250.00'

11+00

S 41ST ST

EP: 12+00.02

12+00

N0° 29' 53"W
200.02'

R/L S 40TH ST

11+00

S 40TH ST

BP: 10+00.00

BP: 10+00.00

112+00 113+00 114+00 115+00 116+00 117+00 118+00 119+00 120+00 121+00 122+00 123+00 124+00 125+00 126+00

W EDGERTON AVE

10+00

PI: 115+72.55

PI: 125+96.49

EP: 10+00.00

N1° 21' 43"W
73.34'

STA 115+72.65 R/L W EDGERTON AVE=
STA 126+40.77 R/L S 43RD ST

STA 121+32.61 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 41ST ST

PT: 9+26.67

126+00

N0° 40' 07"W
135.06'

R/L S 43RD ST

9+00

R/L S HONEY CREEK DR

STA 125+52.42 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 40TH ST

PI: 124+61.43

S HONEY CREEK DR

8+00

124+00

7+00

PI: 123+38.93

NOTE:
SEE ALIGNMENT DIAGRAM - S HONEY CREEK DRIVE
FOR ALIGNMENT INFORMATION.

6+00

PI: 122+28.93

122+00

PI: 5+77.28

111+65.00 MATCH LINE

126+40.00 MATCH LINE

N

2

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	ALIGNMENT	SHEET 154	E

2

2

N

141+15.00 MATCH LINE

126+40.00 MATCH LINE

6+00 127+00 128+00 129+00 130+00 131+00 132+00 133+00 134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00

W EDGERTON AVE

STA 128+17.45
R/L W EDGERTON AVE=
STA 10+00.00
R/L S MALLARD CIRCLE

EP: 10+00.00

N1° 21' 43"W
51.60'

PI: 9+48.39

R/L S MALLARD CIRCLE

9+00

S MALLARD CIRCLE

N2° 03' 51"E
168.39'

8+00

BP: 7+80.00

EP: 12+00.00

R/L S 37TH ST

11+00

S 37TH ST

N0° 32' 22"W
200.00'

BP: 10+00.00

STA 134+01.98 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 37TH ST

STA 135+69.35 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 37TH ST

EP: 10+00.00

R/L W EDGERTON AVE

N88° 38' 17"E
2651.30'

N1° 28' 00"W
162.53'

R/L S 37TH ST

9+00

S 37TH ST

BP: 8+37.47

EP: 12+50.00

12+00

S 36TH ST

N0° 02' 51"E
250.00'

11+00

R/L S 36TH ST

BP: 10+00.00

STA 138+89.81 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 36TH ST

PI: 9+20.81

PT: 9+18.21

PI: 8+81.21

PC: 8+43.6

BP: 8+28.

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	ALIGNMENT	SHEET 155	E

NOTES:

1) STA 10+00.00 R/L S 35TH STREET SERVICE DRIVE BREED= STA 12+29.98 R/L S 35TH ST
2) STA 10+54.47 R/L S 35TH STREET SERVICE DRIVE BREED= STA 10+00.00 R/L S 35TH ST SERVICE DRIVE NORTH
3) STA 10+55.97 R/L S 35TH STREET SERVICE DRIVE BREED= STA 10+00.00 R/L S 35TH ST SERVICE DRIVE SOUTH

N

155+64.11 MATCH LINE

N88° 38' 17"E
2651.30'

BP: 10+00.00
SEE NOTE 1

EP: 13+00.00
R/L S 35TH ST
N0° 34' 47"W
300.00'

EP: 10+70.02
R/L S 35TH ST
SERVICE DRIVE BREED
N0° 34' 47"W
70.02'

R/L S 35TH ST
SERVICE DRIVE NORTH

EP: 11+02.69

EP: 10+00.00
SEE NOTE 3

BP: 10+00.00
SEE NOTE 2

N89° 25' 13"E
102.69'

N0° 34' 47"W
180.50'

R/L S 35TH ST
SERVICE DRIVE SOUTH

BP: 8+19.50

PI STA 142+23.85
MANHOLE COVER
Y = 353703.76
X = 2546453.81

T 6 N
R 21 E
25 25
25 25
MON. 2006

PI: 142+23.85

S 35TH ST SERVICE DR

STA 142+24.53 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 35TH ST

EP: 12+10.00
R/L S 34TH ST
N0° 04' 11"W
210.00'

S 34TH ST

STA 146+57.07 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 34TH ST

N88° 36' 26"E
2657.45'

R/L W EDGERTON AVE

141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00 153+00 154+00 155+00 156+00

W EDGERTON AVE

EP: 10+00.00
BP: 10+00.00

EP: 10+00.00
STA 145+08.25 R/L W EDGERTON AVE=
STA 10+00.00 R/L S TUCKAWAY BLVD NB

STA 144+94.25 R/L W EDGERTON AVE=
STA 10+00.00 R/L S TUCKAWAY BLVD SB

N0° 16' 35"W
144.60'

PT: 8+55.40

PI: 9+20.81

PT: 9+18.21

PI: 8+81.21

PC: 8+43.66

BP: 8+28.48

S HIDDEN DR

STA 142+23.85 R/L W EDGERTON AVE=
STA 10+00.00 R/L S HIDDEN DR

CURVE 1
R/L S HIDDEN DR

S TUCKAWAY BLVD SB

N0° 16' 35"W
144.33'

PT: 8+55.67

PI: 8+02.88

PI: 8+01.74

CURVE 2

CURVE 3

S TUCKAWAY BLVD NB

PC: 7+49.99

PC: 7+47.44

BP: 7+22.69

R/L S TUCKAWAY BLVD SB

BP: 7+25.24

R/L S TUCKAWAY BLVD NB

CURVE 1
PI STA = 8+81.21
Y = 353584.420
X = 2546454.535
DELTA = 17°05'13"
D = 22°55'06"
T = 37.56'
L = 74.56'
R = 250.00'
PC STA = 8+43.66
PT STA = 9+18.21

CURVE 2
PI STA = 8+01.74
Y = 353511.707
X = 2546725.078
DELTA = 11°32'52"
D = 10°40'11"
T = 54.30'
L = 108.23'
R = 537.00'
PC STA = 7+47.44
PT STA = 8+55.67

CURVE 3
PI STA = 8+02.88
Y = 353513.190
X = 2546739.071
DELTA = 11°32'52"
D = 10°57'19"
T = 52.88'
L = 105.41'
R = 523.00'
PC STA = 7+49.99
PT STA = 8+55.40

141+15.00 MATCH LINE

S 31ST ST

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	ALIGNMENT	SHEET 156	E

2

N

EP: 11+95.32

N14° 30' 33"W
101.55'

PT: 10+93.77

CURVE 4

PI: 10+57.16

R/L S 31ST ST

PC: 10+20.18

CURVE 4
PI STA = 10+57.16
Y = 353794.470
X = 2547833.188
DELTA = 14°03'19"
D = 19°05'55"
T = 36.98'
L = 73.59'
R = 300.00'
PC STA = 10+20.18
PT STA = 10+93.77

EP: 12+31.25

N13° 37' 32"W
89.76'

PT: 11+41.49

CURVE 5

PI: 10+97.70

R/L S 30TH ST

PC: 10+53.73

CURVE 5
PI STA = 10+97.70
Y = 353844.974
X = 2548249.662
DELTA = 8°49'17"
D = 10°03'07"
T = 43.97'
L = 87.76'
R = 570.00'
PC STA = 10+53.73
PT STA = 11+41.49

STA 160+28.43 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 30TH ST

R/L W EDGERTON AVE

STA 166+07.91 R/L W EDGERTON AVE=
STA 10+00.00 R/L S TUCKAWAY DR

EP: 6+00.00

R/L FD DR

N86° 50' 20"E
50.02'

N88° 36' 26"E
48.73'

R/L EA CROWN AT 27TH

BP: 167+02.18

PI: 167+52.20

EP: 168+00.93

EP: 168+81.30

S 27TH ST

S 31ST ST

S 30TH ST

S TUCKAWAY DR

W EDGERTON AVE

PI: 10+00.00

N88° 36' 26"E
2657.45'

STA 165+31.88 R/L W EDGERTON AVE=
STA 5+00.00 R/L FD DRIVE

BP: 5+00.00

EP: 10+00.00

END PROJECT
STA 168+00.89

MON. 2008

T 6 N
25 30
25 30
R 21 E R 22 E

CONCRETE MON.
W/ BRASS CAP
Y = 353768.35
X = 2549110.48
PI STA 168+81.30

STA 156+04.10 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 31ST ST

N0° 25' 59"W
225.87'

BP: 7+74.13

N0° 27' 14"W
375.58'

BP: 6+44.60

R/L S TUCKAWAY DR

N1° 23' 34"W
200.00'

BP: 8+00.00

STA 166+09.28 R/L W EDGERTON AVE=
STA 166+09.28 R/L EA CROWN AT 27TH

155+64.11 MATCH LINE

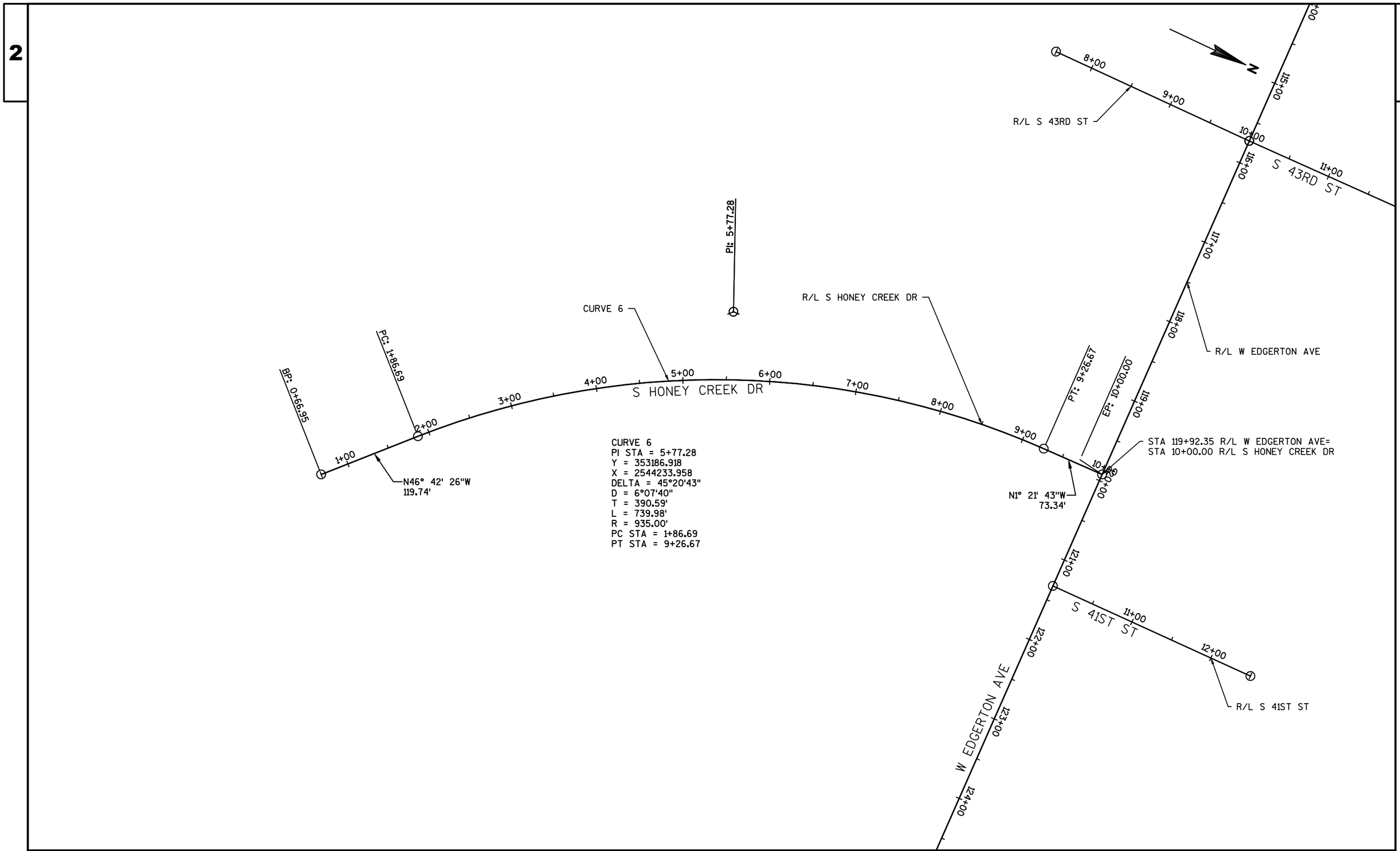
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	ALIGNMENT	SHEET 157	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\ADML- EDGERTON 76 TO 27 - (1) - (3).DWG
LAYOUT NAME - 027201_AD (10)

PLOT DATE : 10/4/2016 9:33 AM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1" = 100'_XREF

WISDOT/CADDS SHEET 42

2



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	ALIGNMENT - S HONEY CREEK DRIVE	SHEET 158	E

2980-00-70

Line	Item	Item Description	Unit	Total	Qty
0010	201.0105	Clearing	STA	64.000	64.000
0020	201.0205	Grubbing	STA	64.000	64.000
0030	203.0100	Removing Small Pipe Culverts	EACH	3.000	3.000
0040	204.0100	Removing Pavement	SY	1,897.000	1,897.000
0050	204.0150	Removing Curb & Gutter	LF	1,749.000	1,749.000
0060	204.0155	Removing Concrete Sidewalk	SY	107.000	107.000
0070	204.0170	Removing Fence	LF	1,047.000	1,047.000
0080	204.0210	Removing Manholes	EACH	7.000	7.000
0090	204.0220	Removing Inlets	EACH	79.000	79.000
0100	204.0245	Removing Storm Sewer (size) 01. 12-Inch	LF	3,330.000	3,330.000
0110	204.0245	Removing Storm Sewer (size) 02. 15-Inch	LF	626.000	626.000
0120	204.0245	Removing Storm Sewer (size) 03. 18-Inch	LF	385.000	385.000
0130	204.0245	Removing Storm Sewer (size) 04. 21-Inch	LF	59.000	59.000
0140	204.0245	Removing Storm Sewer (size) 05. 24-Inch	LF	125.000	125.000
0150	204.0245	Removing Storm Sewer (size) 06. 27-Inch	LF	155.000	155.000
0160	204.0245	Removing Storm Sewer (size) 07. 30-Inch	LF	639.000	639.000
0170	204.0245	Removing Storm Sewer (size) 08. 36-Inch	LF	203.000	203.000
0180	204.0280	Sealing Pipes	EACH	7.000	7.000
0190	205.0100	Excavation Common	CY	39,226.000	39,226.000
0200	305.0110	Base Aggregate Dense 3/4-Inch	TON	35.000	35.000
0210	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	33,097.000	33,097.000
0220	310.0110	Base Aggregate Open-Graded	TON	94.000	94.000
0230	311.0110	Breaker Run	TON	42,416.000	42,416.000
0240	415.6000.S	Rout and Seal	LF	15,966.000	15,966.000
0250	416.0170	Concrete Driveway 7-Inch	SY	858.000	858.000
0260	416.0610	Drilled Tie Bars	EACH	66.000	66.000
0270	450.4000	HMA Cold Weather Paving	TON	925.000	925.000
0280	455.0605	Tack Coat	GAL	1,099.000	1,099.000
0290	460.2000	Incentive Density HMA Pavement	DOL	6,750.000	6,750.000
0300	460.5223	HMA Pavement 3 LT 58-28 S	TON	6,852.000	6,852.000
0310	460.5224	HMA Pavement 4 LT 58-28 S	TON	3,691.000	3,691.000
0320	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	359.000	359.000
0330	465.0125	Asphaltic Surface Temporary	TON	34.000	34.000
0340	520.8000	Concrete Collars for Pipe	EACH	47.000	47.000
0350	522.0112	Culvert Pipe Reinforced Concrete Class III 12-Inch	LF	247.000	247.000
0360	522.1012	Apron Endwalls for Culvert Pipe Reinforced Concrete 12-Inch	EACH	48.000	48.000
0370	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	1.000	1.000
0380	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete	EACH	1.000	1.000

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Line	Item	Item Description	Unit	Total	Qty
		24-Inch			
0390	601.0331	Concrete Curb & Gutter 31-Inch	LF	15,966.000	15,966.000
0400	602.0405	Concrete Sidewalk 4-Inch	SF	1,087.000	1,087.000
0410	602.0410	Concrete Sidewalk 5-Inch	SF	62,452.000	62,452.000
0420	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	740.000	740.000
0430	606.0100	Riprap Light	CY	17.000	17.000
0440	606.0200	Riprap Medium	CY	29.000	29.000
0450	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	4,143.000	4,143.000
0460	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	172.000	172.000
0470	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	853.000	853.000
0480	608.0321	Storm Sewer Pipe Reinforced Concrete Class III 21-Inch	LF	369.000	369.000
0490	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	558.000	558.000
0500	608.0327	Storm Sewer Pipe Reinforced Concrete Class III 27-Inch	LF	29.000	29.000
0510	608.0330	Storm Sewer Pipe Reinforced Concrete Class III 30-Inch	LF	151.000	151.000
0520	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	403.000	403.000
0530	608.0342	Storm Sewer Pipe Reinforced Concrete Class III 42-Inch	LF	109.000	109.000
0540	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	2,260.000	2,260.000
0550	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	413.000	413.000
0560	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	242.000	242.000
0570	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	118.000	118.000
0580	608.0442	Storm Sewer Pipe Reinforced Concrete Class IV 42-Inch	LF	435.000	435.000
0590	610.0434	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 34x53-Inch	LF	170.000	170.000
0600	611.0420	Reconstructing Manholes	EACH	7.000	7.000
0610	611.0555	Manhole Covers Type Q	EACH	61.000	61.000
0620	611.0642	Inlet Covers Type MS	EACH	26.000	26.000
0630	611.0651	Inlet Covers Type S	EACH	60.000	60.000
0640	611.0657	Inlet Covers Type W	EACH	69.000	69.000
0650	611.1004	Catch Basins 4-FT Diameter	EACH	11.000	11.000

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Line	Item	Item Description	Unit	Total	Qty
0660	611.1006	Catch Basins 6-FT Diameter	EACH	1.000	1.000
0670	611.2004	Manholes 4-FT Diameter	EACH	29.000	29.000
0680	611.2005	Manholes 5-FT Diameter	EACH	17.000	17.000
0690	611.2006	Manholes 6-FT Diameter	EACH	9.000	9.000
0700	611.2008	Manholes 8-FT Diameter	EACH	5.000	5.000
0710	611.3225	Inlets 2x2.5-FT	EACH	70.000	70.000
0720	611.3901	Inlets Median 1 Grate	EACH	22.000	22.000
0730	611.3902	Inlets Median 2 Grate	EACH	2.000	2.000
0740	611.8110	Adjusting Manhole Covers	EACH	47.000	47.000
0750	611.8115	Adjusting Inlet Covers	EACH	4.000	4.000
0760	611.9800.S	Pipe Grates	EACH	1.000	1.000
0770	612.0106	Pipe Underdrain 6-Inch	LF	1,247.000	1,247.000
0780	612.0406	Pipe Underdrain Wrapped 6-Inch	LF	1,950.000	1,950.000
0790	612.0700	Drain Tile Exploration	LF	200.000	200.000
0800	616.0700.S	Fence Safety	LF	500.000	500.000
0810	619.1000	Mobilization	EACH	1.000	1.000
0820	621.0100	Landmark Reference Monuments	EACH	2.000	2.000
0830	623.0200	Dust Control Surface Treatment	SY	96,173.000	96,173.000
0840	624.0100	Water	MGAL	165.000	165.000
0850	625.0100	Topsoil	SY	11,426.000	11,426.000
0860	625.0500	Salvaged Topsoil	SY	22,856.000	22,856.000
0870	628.1504	Silt Fence	LF	1,160.000	1,160.000
0880	628.1520	Silt Fence Maintenance	LF	1,160.000	1,160.000
0890	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0900	628.1910	Mobilizations Emergency Erosion Control	EACH	6.000	6.000
0910	628.2006	Erosion Mat Urban Class I Type A	SY	37,745.000	37,745.000
0920	628.7005	Inlet Protection Type A	EACH	199.000	199.000
0930	628.7010	Inlet Protection Type B	EACH	5.000	5.000
0940	628.7015	Inlet Protection Type C	EACH	85.000	85.000
0950	628.7020	Inlet Protection Type D	EACH	4.000	4.000
0960	628.7504	Temporary Ditch Checks	LF	638.000	638.000
0970	628.7555	Culvert Pipe Checks	EACH	35.000	35.000
0980	628.7570	Rock Bags	EACH	50.000	50.000
0990	629.0210	Fertilizer Type B	CWT	23.200	23.200
1000	630.0140	Seeding Mixture No. 40	LB	629.000	629.000
1010	630.0200	Seeding Temporary	LB	475.000	475.000
1020	631.0300	Sod Water	MGAL	1.900	1.900
1030	631.1100	Sod Erosion Control	SY	84.000	84.000
1040	633.5200	Markers Culvert End	EACH	1.000	1.000
1050	634.0814	Posts Tubular Steel 2x2-Inch X 14-FT	EACH	61.000	61.000

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Line	Item	Item Description	Unit	Total	Qty
1060	634.0816	Posts Tubular Steel 2x2-Inch X 16-FT	EACH	5.000	5.000
1070	637.2210	Signs Type II Reflective H	SF	354.790	354.790
1080	637.2230	Signs Type II Reflective F	SF	10.250	10.250
1090	638.2102	Moving Signs Type II	EACH	39.000	39.000
1100	638.2602	Removing Signs Type II	EACH	55.000	55.000
1110	638.3000	Removing Small Sign Supports	EACH	40.000	40.000
1120	642.5201	Field Office Type C	EACH	1.000	1.000
1130	643.0100	Traffic Control (project) 01. 2980-00-70	EACH	1.000	1.000
1140	643.0300	Traffic Control Drums	DAY	6,303.000	6,303.000
1150	643.0420	Traffic Control Barricades Type III	DAY	9,741.000	9,741.000
1160	643.0705	Traffic Control Warning Lights Type A	DAY	16,808.000	16,808.000
1170	643.0900	Traffic Control Signs	DAY	13,370.000	13,370.000
1180	643.1000	Traffic Control Signs Fixed Message	SF	66.000	66.000
1190	643.2000	Traffic Control Detour (project) 01. 2980-00-70	EACH	1.000	1.000
1200	643.3000	Traffic Control Detour Signs	DAY	7,640.000	7,640.000
1210	645.0111	Geotextile Type DF Schedule A	SY	696.000	696.000
1220	645.0120	Geotextile Type HR	SY	75.000	75.000
1230	645.0130	Geotextile Type R	SY	65.000	65.000
1240	645.0140	Geotextile Type SAS	SY	204.000	204.000
1250	646.0106	Pavement Marking Epoxy 4-Inch	LF	19,973.000	19,973.000
1260	646.0126	Pavement Marking Epoxy 8-Inch	LF	75.000	75.000
1270	647.0166	Pavement Marking Arrows Epoxy Type 2	EACH	1.000	1.000
1280	647.0176	Pavement Marking Arrows Epoxy Type 3	EACH	1.000	1.000
1290	647.0206	Pavement Marking Arrows Bike Lane Epoxy	EACH	22.000	22.000
1300	647.0406	Pavement Marking Words Bike Lane Epoxy	EACH	50.000	50.000
1310	647.0566	Pavement Marking Stop Line Epoxy 18-Inch	LF	387.000	387.000
1320	647.0766	Pavement Marking Crosswalk Epoxy 6-Inch	LF	1,763.000	1,763.000
1330	650.4000	Construction Staking Storm Sewer	EACH	216.000	216.000
1340	650.4500	Construction Staking Subgrade	LF	9,567.000	9,567.000
1350	650.5000	Construction Staking Base	LF	9,567.000	9,567.000
1360	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	16,529.000	16,529.000
1370	650.6000	Construction Staking Pipe Culverts	EACH	15.000	15.000
1380	650.8500	Construction Staking Electrical Installations (project) 01. 2980-00-70	LS	1.000	1.000
1390	650.9910	Construction Staking Supplemental Control (project) 01. 2980-00-70	LS	1.000	1.000
1400	650.9920	Construction Staking Slope Stakes	LF	9,567.000	9,567.000
1410	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	8,607.000	8,607.000
1420	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	285.000	285.000
1430	652.0800	Conduit Loop Detector	LF	404.000	404.000

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Line	Item	Item Description	Unit	Total	Qty
1440	653.0105	Pull Boxes Steel 12x24-Inch	EACH	2.000	2.000
1450	653.0905	Removing Pull Boxes	EACH	2.000	2.000
1460	654.0105	Concrete Bases Type 5	EACH	42.000	42.000
1470	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000	1.000
1480	655.0610	Electrical Wire Lighting 12 AWG	LF	5,040.000	5,040.000
1490	655.0625	Electrical Wire Lighting 6 AWG	LF	32,780.000	32,780.000
1500	655.0700	Loop Detector Lead In Cable	LF	359.000	359.000
1510	655.0800	Loop Detector Wire	LF	1,282.000	1,282.000
1520	656.0200	Electrical Service Meter Breaker Pedestal (location) 01. Sta 155+61.18, 42.2' Rt	LS	1.000	1.000
1530	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	42.000	42.000
1540	659.2230	Lighting Control Cabinets 240/480 30-Inch	EACH	1.000	1.000
1550	690.0150	Sawing Asphalt	LF	1,486.000	1,486.000
1560	690.0250	Sawing Concrete	LF	622.000	622.000
1570	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	1,800.000	1,800.000
1580	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	3,000.000	3,000.000
1590	SPV.0035	Special 01. Engineered Soil	CY	889.000	889.000
1600	SPV.0035	Special 02. Curb Cut Stone	CY	296.000	296.000
1610	SPV.0060	Special 01. Control Structure 4-Ft Diameter	EACH	5.000	5.000
1620	SPV.0060	Special 02. Lot 20 Outlet Control Structure 5-Ft Diameter	EACH	1.000	1.000
1630	SPV.0060	Special 03. Reconnect Storm Sewer Laterals	EACH	19.000	19.000
1640	SPV.0060	Special 04. Manholes 9-Ft Special	EACH	1.000	1.000
1650	SPV.0060	Special 05. Manholes 10-Ft Special	EACH	1.000	1.000
1660	SPV.0060	Special 06. Pipe Connection to Existing Structure	EACH	17.000	17.000
1670	SPV.0060	Special 07. Catch Basins 2x2.5-Ft	EACH	41.000	41.000
1680	SPV.0060	Special 21. Luminaires Type A	EACH	42.000	42.000
1690	SPV.0060	Special 22. Poles Type 5 - Aluminum Black	EACH	42.000	42.000
1700	SPV.0060	Special 23. Polymer Concrete Pull Boxes	EACH	11.000	11.000
1710	SPV.0060	Special 52. Sanitary Manhole Seal - External Special	EACH	28.000	28.000
1720	SPV.0060	Special 53. Adjust Water Service Boxes	EACH	106.000	106.000
1730	SPV.0060	Special 54. Adjust Water Valve Boxes	EACH	66.000	66.000
1740	SPV.0060	Special 55. Water Service Pothole	EACH	106.000	106.000
1750	SPV.0060	Special 56. Water Service Insulation	EACH	10.000	10.000
1760	SPV.0060	Special 57. Water Service Alteration Replacement 1-Inch Through 2-Inch	EACH	10.000	10.000
1770	SPV.0060	Special 58. Water Service Alteration Lowering 1-Inch Through 2-Inch	EACH	10.000	10.000
1780	SPV.0060	Special 59. Adjusting Water Manholes	EACH	6.000	6.000
1790	SPV.0060	Special 60. Water Main Protection	EACH	5.000	5.000
1800	SPV.0090	Special 01. Storm Sewer Pipe Reinforced Concrete	LF	45.000	45.000

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Line	Item	Item Description	Unit	Total	Qty
		Horizontal Elliptical Class HE-IV 38x60			
1810	SPV.0090	Special 02. PVC Storm Sewer 6-Inch	LF	78.000	78.000
1820	SPV.0090	Special 51. Copper Water Service 1-Inch Special	LF	400.000	400.000
1830	SPV.0105	Special 01. Remove Loop Detector Wire and Lead-in Cable	LS	1.000	1.000
1840	SPV.0105	Special 02. Construction Staking Curb Ramp & Sidewalk	LS	1.000	1.000
1850	SPV.0105	Special 03. Construction Staking Drainage Ponds	LS	1.000	1.000
1860	SPV.0170	Special 01. Test Rolling	STA	100.000	100.000

CLEARING AND GRUBBING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	201.0105 CLEARING STA	201.0205 GRUBBING STA
0010	W. EDGERTON AVENUE						
		97+00	-	108+00	LT/RT	11	11
		109+00	-	121+00	LT/RT	12	12
		122+00	-	128+00	LT/RT	6	6
		130+00	-	135+00	LT/RT	5	5
		136+00	-	146+00	LT/RT	10	10
		148+00	-	157+00	LT/RT	9	9
		158+00	-	159+00	LT/RT	1	1
		160+00	-	161+00	LT/RT	1	1
		162+00	-	167+00	LT/RT	5	5
	S. 35TH STREET						
		10+00	-	13+00	RT	3	3
	S. TUCKAWAY BOULEVARD						
		9+00	-	10+00	RT	1	1
	TOTALS					64	64

REMOVING PAVEMENT

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	204.0100 REMOVING PAVEMENT SY
0010	W. EDGERTON AVENUE					
				98+35	LT	32
				99+39	RT	41
				102+27	LT	107
				106+67	LT	39
				107+64	LT	60
				111+26	RT	56
				111+46	LT	26
				112+80	RT	54
				118+19	RT	48
				123+07	RT	60
				123+46	LT	11
				125+50	RT	--
				125+97	RT	46
				126+38	RT	47
				132+50	LT	12
				134+29	RT	73
				137+26	LT	45
				137+96	RT	84
				159+00	RT	35
				161+50	RT	39
				162+52	RT	60
	S. 48TH STREET					
		8+75	-	9+58	LT/RT	357
	S. 40TH STREET					
		10+18	-	11+50	LT/RT	491
	S. 35TH STREET SERVICE DRIVE					
				8+70	RT	29
				10+00	RT	19
	S. 31ST STREET					
				10+60	LT	26
	TOTALS					1,897

REMOVING CURB & GUTTER

CATEGORY	ROADWAY	FROM STATION	FROM OFFSET	TO STATION	TO OFFSET	204.0150 REMOVING CURB & GUTTER LF
0010	W. EDGERTON AVENUE					
		168+03	29' LT	168+04	43' LT	1
		168+00	25' RT	168+01	25' RT	1
	S. 48TH STREET					
		9+58	16' LT	9+82	43' LT	40
		9+59	16' RT	9+84	43' RT	40
	S. HONEY CREEK ROAD					
		9+51.67	20' LT	9+77.94	50' LT	43
		9+51.67	21' RT	9+77.81	48' RT	41
	S. 41ST STREET					
		10+23	43' LT	12+25.00	15' LT	219
		10+22	46' RT	12+25.00	15' RT	223
	S. 37TH STREET					
		9+49	17' LT	9+88	52' LT	61
		9+53	17' RT	9+88	43' RT	48
		10+23	43' LT	11+10	15' LT	101
		10+24	46' RT	11+10	15' RT	103
	S. 35TH STREET					
		8+90	14' LT	9+78	35' LT	100
		8+90	15' RT	9+79	34' RT	97
		10+14	46' LT	10+46	14' LT	49
		10+23	42' RT	10+66	16' RT	51
	TUCKAWAY BOULEVARD					
		7+98	2' LT	9+60	2' LT	165
		7+98	2' RT	9+60	2' RT	165
	S. 31ST STREET					
		9+52	13' RT	9+84	51' RT	58
		9+52	16' LT	9+80	59' LT	58
	FE DRIVE					
		5+20	27' LT	5+55	12' LT	43
		5+21	26' RT	5+55	12' RT	42
	TOTALS					1,749

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REMOVING CONCRETE SIDEWALK

CATEGORY	ROADWAY	STATION		TO STATION	OFFSET	204.0155 REMOVING CONCRETE SIDEWALK SY
0010	W. EDGERTON AVENUE					
		148+33	-	148+34	LT	11
		149+47	-	149+48	LT	9
		150+97	-	150+97	LT	16
		151+69	-	151+69	LT	11
		152+47	-	152+51	LT	15
		153+33	-	153+34	LT	16
		154+32	-	154+35	LT	13
		157+58	-	157+59	LT	11
		162+68	-	162+68	LT	3
		163+80	-	163+80	LT	2
TOTALS						**107**

REMOVING FENCE

CATEGORY	ROADWAY	STATION	OFFSET	TO STATION	OFFSET	204.0170 REMOVING FENCE LF
0010	W. EDGERTON AVENUE					
		140+65	21' RT	- 140+66	58' RT	37
		140+83	25' RT	- 140+94	56' RT	33
		145+33	45' RT	- 155+10	45' RT	977
TOTALS						**1,047**

REMOVING MANHOLES

CATEGORY	ROADWAY	STATION	OFFSET	204.0210 REMOVING MANHOLES EACH
0010	W. EDGERTON AVENUE			
		104+74	32' LT	1
		106+89	32' LT	1
		107+27	31' LT	1
		108+42	32' LT	1
		120+49	33' LT	1
		121+78	32' LT	1
		146+46	32' RT	1
TOTALS				**7**

REMOVING INLETS

CATEGORY	ROADWAY	STATION	OFFSET	204.0220 REMOVING INLETS EACH
0010	W. EDGERTON AVENUE			
		97+47	21' RT	1
		97+97	24' LT	1
		98+88	25' LT	1
		98+90	27' RT	1
		99+97	24' RT	1
		99+98	25' LT	1
		100+92	21' RT	1
		102+46	25' LT	1
		102+47	22' RT	1
		104+73	27' RT	1
		104+74	25' LT	1
		106+91	25' LT	1
		107+07	26' RT	1
		108+28	23' RT	1
		108+43	21' LT	1
		110+03	21' LT	1
		110+13	23' RT	1
		112+43	21' LT	1
		112+43	24' RT	1
		115+08	21' LT	1
		115+15	23' RT	1
		116+24	23' RT	1
		116+25	22' LT	1
		116+58	23' RT	1
		118+65	23' RT	1
		119+46	22' LT	1
		119+75	26' LT	1
		120+48	21' RT	1
		120+49	30' RT	1
		121+78	21' LT	1
		122+94	17' RT	1
		123+22	16' RT	1
		124+68	18' RT	1
		125+22	16' RT	1
		125+66	15' RT	1
		125+95	31' LT	1
		126+49	15' RT	1
		128+40	16' RT	1
		129+96	15' RT	1
		131+05	15' RT	1
		133+91	14' RT	1
		134+74	16' RT	1
		143+87	19' RT	1
		144+69	18' RT	1
		146+22	19' LT	1
		146+57	32' RT	1
		146+99	17' LT	1
		148+49	29' RT	1
		148+50	18' LT	1

REMOVING INLETS (CONTINUED)

CATEGORY	ROADWAY	STATION	OFFSET	204.0220 REMOVING INLETS EACH
0010	W. EDGERTON AVENUE			
		150+62	18' LT	1
		150+99	30' RT	1
		151+00	18' LT	1
		155+47	20' LT	1
		155+48	30' RT	1
		155+83	20' RT	1
		158+12	19' LT	1
		158+12	20' RT	1
		159+84	19' LT	1
		159+86	21' RT	1
		160+18	21' RT	1
		160+47	21' RT	1
		160+64	21' RT	1
		160+65	21' LT	1
		161+92	18' RT	1
		167+85	15' LT	1
		167+87	17' RT	1
		167+87	35' RT	1
		167+95	9' RT	1
	S. 43RD STREET			
		125+87	22' LT	1
	S. 37TH STREET			
		10+61	14' LT	1
		10+61	14' RT	1
	S. 31ST STREET			
		9+49	19' LT	1
		9+49	19' RT	1
		10+64	5' RT	1
		10+68	16' LT	1
		10+68	21' LT	1
	S. 30TH STREET			
		9+44	14' LT	1
		10+50	14' RT	1
		10+53	16' LT	1
TOTALS				**79**

REMOVING STORM SEWER & SMALL PIPE CULVERTS

CATEGORY	ROADWAY	STATION	OFFSET	TO	STATION	OFFSET	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0245.01 REMOVING STORM SEWER 12-INCH LF	204.0245.02 REMOVING STORM SEWER 15-INCH LF	204.0245.03 REMOVING STORM SEWER 18-INCH LF	204.0245.04 REMOVING STORM SEWER 21-INCH LF	204.0245.05 REMOVING STORM SEWER 24-INCH LF	204.0245.06 REMOVING STORM SEWER 27-INCH LF	204.0245.07 REMOVING STORM SEWER 30-INCH LF	204.0245.08 REMOVING STORM SEWER 36-INCH LF
0010	W. EDGERTON AVENUE														
		97+97	25' LT	-	97+97	32' LT	--	7	--	--	--	--	--	--	--
		98+90	27' RT	-	98+90	18' RT	--	9	--	--	--	--	--	--	--
		99+97	24' RT	-	99+98	25' LT	--	49	--	--	--	--	--	--	--
		99+98	25' LT	-	99+98	31' LT	--	6	--	--	--	--	--	--	--
		102+46	29' LT	-	102+46	25' LT	--	5	--	--	--	--	--	--	--
		102+46	25' LT	-	102+47	22' RT	--	47	--	--	--	--	--	--	--
		104+73	27' RT	-	104+74	25' LT	--	--	--	--	52	--	--	--	--
		104+74	25' LT	-	104+74	32' LT	--	--	--	--	7	--	--	--	--
		104+74	32' LT	-	106+90	32' LT	--	--	--	216	--	--	--	--	--
		106+89	32' LT	-	106+91	25' LT	--	7	--	--	--	--	--	--	--
		106+91	25' LT	-	107+07	26' RT	--	54	--	--	--	--	--	--	--
		107+27	31' LT	-	108+42	32' LT	--	116	--	--	--	--	--	--	--
		108+28	23' RT	-	108+43	21' LT	--	46	--	--	--	--	--	--	--
		108+42	32' LT	-	108+43	21' LT	--	11	--	--	--	--	--	--	--
		108+42	32' LT	-	110+38	32' LT	--	196	--	--	--	--	--	--	--
		110+03	21' LT	-	110+13	23' RT	--	45	--	--	--	--	--	--	--
		110+38	32' LT	-	110+03	21' LT	--	37	--	--	--	--	--	--	--
		115+08	21' LT	-	115+15	23' RT	--	45	--	--	--	--	--	--	--
		115+15	23' RT	-	115+15	31' RT	--	7	--	--	--	--	--	--	--
		115+08	21' LT	-	115+15	23' RT	--	45	--	--	--	--	--	--	--
		115+15	23' RT	-	115+15	31' RT	--	7	--	--	--	--	--	--	--
		116+24	23' RT	-	116+25	22' LT	--	45	--	--	--	--	--	--	--
		116+25	22' LT	-	116+58	23' RT	--	56	--	--	--	--	--	--	--
		118+65	23' RT	-	119+45	16' RT	--	80	--	--	--	--	--	--	--
		119+46	22' LT	-	119+61	24' LT	--	15	--	--	--	--	--	--	--
		119+75	26' LT	-	120+49	33' LT	--	--	--	--	--	--	--	75	--
		120+49	33' LT	-	121+78	32' LT	--	--	--	--	--	--	--	128	--
		121+78	32' LT	-	123+33	33' LT	--	--	--	--	--	--	155	--	--
		122+47	18' RT	-	122+95	17' RT	--	--	48	--	--	--	--	--	--
		122+95	17' RT	-	123+22	16' RT	--	--	27	--	--	--	--	--	--
		123+22	16' RT	-	123+66	20' RT	--	--	44	--	--	--	--	--	--
		150+98	30' RT	-	155+48	30' RT	--	--	449	--	--	--	--	--	--
		124+08	19' RT	-	124+68	18' RT	--	60	--	--	--	--	--	--	--
		124+68	18' RT	-	125+22	16' RT	--	54	--	--	--	--	--	--	--
		125+22	16' RT	-	125+66	15' RT	--	44	--	--	--	--	--	--	--
		125+66	15' RT	-	126+49	15' RT	--	83	--	--	--	--	--	--	--
		126+49	15' RT	-	128+40	16' RT	--	192	--	--	--	--	--	--	--
		126+58	17' LT	-	126+98	17' LT	1	--	--	--	--	--	--	--	--
		127+90	21' LT	-	128+26	22' LT	1	--	--	--	--	--	--	--	--
		128+40	16' RT	-	129+96	15' RT	--	156	--	--	--	--	--	--	--
		129+96	15' RT	-	131+05	15' RT	--	109	--	--	--	--	--	--	--
		131+05	15' RT	-	133+91	14' RT	--	286	--	--	--	--	--	--	--
		133+91	14' RT	-	134+74	16' RT	--	83	--	--	--	--	--	--	--
		134+74	16' RT	-	135+37	16' RT	--	63	--	--	--	--	--	--	--
		135+37	16' RT	-	136+13	17' RT	--	76	--	--	--	--	--	--	--
		143+87	19' RT	-	143+88	34' RT	--	15	--	--	--	--	--	--	--

REMOVING STORM SEWER & SMALL PIPE CULVERTS (CONTINUED)

CATEGORY	ROADWAY	STATION	OFFSET	TO	STATION	OFFSET	203.0100 REMOVING SMALL PIPE CULVERTS EACH	204.0245.01 REMOVING STORM SEWER 12-INCH LF	204.0245.02 REMOVING STORM SEWER 15-INCH LF	204.0245.03 REMOVING STORM SEWER 18-INCH LF	204.0245.04 REMOVING STORM SEWER 21-INCH LF	204.0245.05 REMOVING STORM SEWER 24-INCH LF	204.0245.06 REMOVING STORM SEWER 27-INCH LF	204.0245.07 REMOVING STORM SEWER 30-INCH LF	204.0245.08 REMOVING STORM SEWER 36-INCH LF
0010	W. EDGERTON AVENUE														
		143+88	34' RT	-	144+76	33' RT	--	--	--	--	--	88	--	--	--
		144+69	18' RT	-	144+76	33' RT	--	16	--	--	--	--	--	--	--
		144+76	33' RT	-	146+46	32' RT	--	--	--	--	--	--	--	--	171
		146+46	32' RT	-	146+57	32' RT	--	--	--	11	--	--	--	--	--
		146+22	19' LT	-	146+49	21' LT	--	27	--	--	--	--	--	--	--
		146+49	21' LT	-	146+99	17' LT	--	51	--	--	--	--	--	--	--
		148+49	29' RT	-	148+50	18' LT	--	47	--	--	--	--	--	--	--
		148+49	29' RT	-	150+99	30' RT	--	249	--	--	--	--	--	--	--
		148+50	18' LT	-	148+71	18' LT	--	21	--	--	--	--	--	--	--
		150+62	18' LT	-	150+99	30' RT	--	61	--	--	--	--	--	--	--
		150+99	30' RT	-	151+00	18' LT	--	48	--	--	--	--	--	--	--
		152+77	30' RT	-	154+73	30' RT	--	196	--	--	--	--	--	--	--
		155+48	19' LT	-	155+48	30' RT	--	49	--	--	--	--	--	--	--
		155+48	37' RT	-	155+83	21' RT	--	--	--	--	--	37	--	--	--
		155+83	21' RT	-	158+18	21' RT	--	--	--	--	--	--	--	235	--
		155+86	65' LT	-	155+83	21' RT	--	--	--	86	--	--	--	--	--
		158+12	20' RT	-	158+12	19' LT	--	39	--	--	--	--	--	--	--
		158+18	21' RT	-	159+86	21' RT	--	--	--	--	--	--	--	169	--
		159+84	19' LT	-	159+86	21' RT	--	40	--	--	--	--	--	--	--
		159+86	21' RT	-	160+18	20' RT	--	--	--	--	--	--	--	--	32
		160+18	20' RT	-	160+19	52' LT	--	--	--	72	--	--	--	--	--
		160+47	20' RT	-	160+64	20' RT	--	16	--	--	--	--	--	--	--
		160+64	20' RT	-	160+65	19' LT	--	40	--	--	--	--	--	--	--
		165+11	34' LT	-	165+52	33' LT	1	--	--	--	--	--	--	--	--
		167+61	35' LT	-	167+85	15' LT	--	31	--	--	--	--	--	--	--
		167+85	15' LT	-	167+95	9' RT	--	25	--	--	--	--	--	--	--
		167+87	17' RT	-	167+87	35' RT	--	18	--	--	--	--	--	--	--
		167+87	17' RT	-	167+95	9' RT	--	11	--	--	--	--	--	--	--
	S. 37TH STREET														
		9+44	20' RT	-	9+84	32' LT	--	66	--	--	--	--	--	--	--
		10+42	29' LT	-	10+61	14' LT	--	24	--	--	--	--	--	--	--
		10+42	29' RT	-	10+61	14' RT	--	24	--	--	--	--	--	--	--
	S. 31ST STREET														
		9+49	18' RT	-	9+49	18' LT	--	36	--	--	--	--	--	--	--
		10+64	5' RT	-	10+68	16' LT	--	22	--	--	--	--	--	--	--
		9+50	19' LT	-	9+79	21' LT	--	--	29	--	--	--	--	--	--
	S. 30TH STREET														
		10+50	13' RT	-	10+52	6' LT	--	19	--	--	--	--	--	--	--
		10+52	6' LT	-	10+53	15' LT	--	9	--	--	--	--	--	--	--
		9+79	10' LT	-	9+48	13' LT	--	--	--	--	--	--	--	32	--
		9+79	10' LT	-	9+80	19' RT	--	--	29	--	--	--	--	--	--
	FE DRIVE														
		5+33	20' RT	-	5+34	21' LT	--	41	--	--	--	--	--	--	--
TOTALS							**3**	**3330**	**626**	**385**	**59**	**125**	**155**	**639**	**203**

EARTHWORK SUMMARY

Division	From/To Station	Location	Excavation Common (1)	item 205.0100	Salvaged/ Unusable Pavement Material (2)	Available Material (4)	Reduced EBS in Fill (5)	Expanded EBS Backfill (6)	Unexpanded Fill	Expanded Fill (7)	Mass Ordinate +/- (8)	Waste	Borrow	Comment:
			Cut (2)	EBS Excavation (3)			Factor 0.80	Factor 1.30		Factor 1.20			item 208.0100	
	95+98 TO 168+27	W EDGERTON AVE	28,899	0	0	28,899	0	0	5,636	6,764	22,135	22,135	0	
	8+75 to 9+55	S. 48TH STREET	159	0	0	159	0	0	11	13	146	146	0	
	7+56 to 12+00	S. 43RD STREET	1,372	0	0	1,372	0	0	20	25	1,347	1,347	0	
	7+50 to 9+56	HONEY CREEK DRIVE	515	0	0	515	0	0	13	15	500	500	0	
	10+44 to 12+25	S. 41ST STREET	455	0	0	455	0	0	5	6	449	449	0	
	10+44 to 11+25	S. 40TH STREET	146	0	0	146	0	0	2	2	144	144	0	
	8+00 to 9+56	MALLARD CIRCLE	345	0	0	345	0	0	0	0	345	345	0	
	10+43 to 11+40	S. 37TH STREET NORTH	205	0	0	205	0	0	0	0	205	205	0	
	8+38 to 9+56	S. 37TH STREET SOUTH	607	0	0	607	0	0	3	4	603	603	0	
	10+43 to 10+60	S. 36TH STREET	70	0	0	70	0	0	10	12	58	58	0	
	10+43 to 12+75	S 35TH STREET	923	0	0	923	0	0	65	78	845	845	0	
	9+92 to 12+75	S 35TH SERVICE DR	328	0	0	328	0	0	47	57	272	272	0	
	8+50 to 9+55	HIDDEN DRIVE	241	0	0	241	0	0	23	28	213	213	0	
	7+97 to 9+55	SB TUCKAWAY BLVD	276	0	0	276	0	0	3	3	273	273	0	
	7+98 to 9+56	NB TUCKAWAY BLVD	342	0	0	342	0	0	0	0	342	342	0	
	10+43 to 12+00	S 34TH STREET	372	0	0	372	0	0	1	1	370	370	0	
	8+90 to 11+58	S 31ST STREET	218	0	0	218	0	0	25	30	188	188	0	
	8+85 to 12+25	S 30TH STREET	1,103	0	0	1,103	0	0	7	9	1,094	1,094	0	
	5+44 to 5+55	FD DRIVE	74	0	0	74	0	0	2	2	73	73	0	
	9+00 to 9+45	TUCKAWAY DRIVE	33	0	0	33	0	0	14	17	16	16	0	
		REMOVALS	708	0	708	0	0	0	0	0	0	0	0	
		UNDISTRIBUTED	0	1,834	0	0	1,467	2,384	0	0	-2,384	0	2,384	
Grand Total			37,392	1,834	708	36,683	1,467	2,384	5,887	7,064	27,235	29,619	0	
		Total Common Exc	39,226											

NOTES:

1) Common Excavation is the sum of the Cut and EBS Excavation columns. Item number 205.0100
2) Salvaged/Unsuable Pavement Material is included in Cut.
3) EBS Excavation to be backfilled with Breaker Run.
4) Available Material = Cut - Salvaged/Unusuable Pavement Material
5) Reduced EBS in Fill - Excavated EBS material is usuable in Fills outside the 1:1 slope. EBS in Fill Reduction factor = 0.8
6) Expanded EBS Backfill - This is to be filled with Breaker Run. EBS Backfill Factor = 1.3.
7) Expanded Fill. Factor = 1.20. Expanded Fill = (Unexpanded Fill - Reduced EBS) * Fill Factor.Remaining volume or reduced EBS is considered waste.
8) The Mass Ordinate + or - Qty calculated for the Division. Plus quantity indicates an excess of material within the Division. Minus indicates a shortage of material within the Division.

AGGREGATE ITEMS

CATEGORY	ROADWAY	STATION	-	STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1-1/4-INCH TON	311.0110 BREAKER RUN TON
0010	W. EDGERTON AVENUE						
		93+27	-	107+25	--	4336	5131
		107+25	-	118+00	14	4223	5304
		118+00	-	127+25	21	3742	4722
		127+25	-	133+00	--	2240	2778
		133+00	-	138+25	--	2183	2698
		138+25	-	144+00	--	2417	3041
		144+00	-	155+00	--	4218	5578
		155+00	-	163+25	--	3202	4177
		163+25	-	168+01	--	2059	2666
	S 48TH STREET						
		8+74	-	9+55	--	366	527
	S 43RD STREET						
		125+31	-	125+96	--	209	304
		126+84	-	127+87	--	331	478
	S HONEY CREEK DRIVE						
		9+00	-	9+56	--	--	--
	S 41ST STREET						
		10+45	-	12+25	--	478	681
	S 40TH STREET						
		10+45	-	11+50	--	274	398
	S MALLARD CIRCLE						
		9+42	-	9+54	--	16	23
	S 37TH STREET						
		10+45	-	11+10	--	170	246
		8+83	-	9+56	--	184	267
	S 36TH STREET						
		10+45	-	10+60	--	39	58
	S HIDDEN DRIVE						
		8+90	-	9+55	--	168	246

AGGREGATE ITEMS (CONTINUED)

CATEGORY	ROADWAY	STATION	-	STATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1-1/4-INCH TON	311.0110 BREAKER RUN TON
0010	S 35TH STREET						
		10+45	-	12+75	--	552	794
	S 35TH STREET SERVICE DRIVE						
		9+82	-	12+75	--	386	488
	S TUCKAWAY BLVD - SB						
		7+97	-	9+39	--	276	400
	S TUCKAWAY BLVD - NB						
		7+98	-	9+39	--	285	391
	S 34TH STREET						
		10+45	-	12+00	--	175	242
	S 31ST STREET						
		9+33	-	9+55	--	48	71
		10+47	-	11+18	--	232	311
	S 30TH STREET						
		9+33	-	9+55	--	44	64
		10+46	-	11+18	--	83	120
	FE DRIVE						
		5+17	-	5+55	--	25	35
	S TUCKAWAY DRIVE						
		8+85	-	9+45	--	136	177
	TOTALS				**35**	**33,097**	**42,416**

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DRILLED BAR ITEMS

CATEGORY	ROADWAY	STATION	OFFSET	416.0610 DRILLED TIE BARS EACH
0010	W. EDGERTON AVENUE			6
		168+00.89	LT/RT	
	S. 48TH STREET			6
		8+75.00	LT/RT	
	S. 43RD STREET			6
		125+30.75	LT/RT	
	S. 43RD STREET			6
		127+87.23	LT/RT	
	S. HONEY CREEK DRIVE			6
		9+51.66	LT/RT	
	S. 41ST STREET			6
		12+25.00	LT/RT	
	S. 40TH STREET			6
		11+50.00	LT/RT	
	S. 37TH STREET			6
		11+10.00	LT/RT	
	S. HIDDEN DRIVE			6
		8+83.00	LT/RT	
	S. TUCKAWAY BOULEVARD - SB			3
		7+96.74	RT	
	S. TUCKAWAY BOULEVARD - NB			3
		7+98.00	LT	
	FE DRIVE			6
		5+54.73	LT/RT	
TOTALS				**66**

3

DRIVEWAYS

CATEGORY	ROADWAY	STATION	-	STATION	416.0170 CONCRETE DRIVEWAY 7-INCH SY
0010	W. EDGERTON AVENUE				
		93+27	-	107+25	214
		107+25	-	118+00	143
		118+00	-	127+25	147
		127+25	-	133+00	60
		133+00	-	138+25	111
		138+25	-	144+00	50
		155+00	-	163+25	57
		163+25		168+01	42
	S 48TH STREET				
		8+74		9+55.44	5
	S 41ST STREET				
		10+44.51	-	12+25	7
	S TUCKAWAY BLVD - NB				
		7+98	-	9+38.82	15
	S 34TH STREET				
		10+44.93	-	12+00	7
TOTALS					**858**

PAVEMENT ITEMS

CATEGORY	ROADWAY	STATION	-	STATION	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	455.0605 TACK COAT GAL
0010	W. EDGERTON AVENUE								
		93+27	-	107+25	862	464	132	34	139
		107+25	-	118+00	852	459	39	--	137
		118+00	-	127+25	758	408	27	--	122
		127+25	-	133+00	442	238	39	--	71
		133+00	-	138+25	433	233	23	--	69
		138+25	-	144+00	498	268	34	--	80
		144+00	-	155+00	891	480	--	--	143
		155+00	-	163+25	693	374	--	--	111
		163+25	-	168+01	415	224	23	--	66
	S. 48TH STREET								
		8+74	-	9+55.44	56	30	--	--	9
	S. 43RD STREET								
		125+31	-	125+96	49	26	--	--	8
		126+84	-	127+87	76	41	--	--	13
	S. HONEY CREEK DRIVE								
		9+52	-	9+56	3	2	--	--	1
	S. 41ST STREET								
		10+44.51	-	12+25	102	55	1	--	17
	S. 40TH STREET								
		10+44.61	-	11+50	60	33	--	--	9
	S. MALLARD CIRCLE								
		9+42	-	9+54.38	4	2	--	--	1
	S. 37TH STREET								
		10+44.58	-	11+10	37	20	--	--	6
		8+83	-	9+55.92	48	26	--	--	7
	S. 36TH STREET								
		10+45	-	10+60	9	5	--	--	1
	S. HIDDEN DRIVE								
		8+90	-	9+55.29	37	20	--	--	6
	S. 35TH STREET								
		10+44.57	-	12+74.80	139	75	3	--	22
	S. 35TH STREET SERVICE ROAD								
		9+82	-	12+75	82	44	23	--	13
	S. TUCKAWAY BLVD - SB								
		7+96.74	-	9+39.09	63	34	--	--	11
	S. TUCKAWAY BLVD - NB								
		7+98	-	9+38.82	61	33	--	--	9

PAVEMENT ITEMS (CONTINUED)

CATEGORY	ROADWAY	STATION	-	STATION	460.5223 HMA PAVEMENT 3 LT 58-28 S TON	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	455.0605 TACK COAT GAL
0010									
	S. 34TH STREET								
		10+44.93	-	12+00	43	23	--	--	7
	S. 31ST STREET								
		9+33	-	9+55.37	13	7	--	--	2
		10+46.76	-	11+18	55	29	9	--	8
	S. 30TH STREET								
		9+33	-	9+55.36	12	6	--	--	2
		10+46.35	-	11+20	22	12	--	--	3
	FE DRIVE								
		5+17	-	5+55	5	3	--	--	1
	S. TUCKAWAY DRIVE								
		8+85	-	9+45	32	17	6	--	5
	TOTALS				**6,852**	**3,691**	**359**	**34**	**1,099**

HMA COLD WEATHER PAVING

CATEGORY	DESCRIPTION	450.4000 HMA COLD WEATHER PAVING TON
0010	UNDISTRIBUTED	925
TOTALS		**925**

SEALING PIPES

ROADWAY	STATION	OFFSET	204.0280 SEALING PIPES EACH
W. EDGERTON AVENUE			
	97+97.24	30'LT	1
	100+93.05	30'LT	1
	102+46.26	29'LT	1
	110+34.23	32'LT	1
	110+35.39	31'LT	1
	119+60.90	24'LT	1
	119+72.46	61'RT	1
TOTAL			7

APRON ENDWALLS

ROADWAY	PIPE ID	STATION	OFFSET	ENDWALL SIZE	522.1012* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1015 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 15-INCH EACH	522.1024 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH EACH	611.9800.S PIPE GRATES EACH	633.5200 MARKERS CULVERT END EACH
W. EDGERTON AVENUE									
	203	103+63.72	41.96	12	1	--	--	--	--
	264A	109+99.37	-260.15	24	--	--	1	1	1
	355	117+73.85	-24.87	12	1	--	--	--	--
	414	134+68.17	-36.63	12	1	--	--	--	--
	407	135+91.48	52.12	12	1	--	--	--	--
	402	135+92.31	-38.25	12	1	--	--	--	--
	608	139+66.17	-39.51	12	1	--	--	--	--
	623	142+45.14	-40.41	15	--	1	--	--	--
	673	142+53.26	-208.59	12	1	--	--	--	--
	676A	142+57.00	-365.21	12	1	--	--	--	--
	675D	142+97.04	-248.62	12	1	--	--	--	--
	391	147+67.70	-34.66	12	1	--	--	--	
	387	150+48.17	20.33	12	1	--	--	--	--
	385	150+49.43	-20.35	12	1	--	--	--	--
	915	158+77.04	36.09	15	1	--	--	--	--
	944	159+82.00	-42.93	12	1	--	--	--	--
	937	160+87.58	34.84	12	1	--	--	--	--
	928	161+91.49	36.22	12	1	--	--	--	--
	932	161+98.03	-34.77	12	1	--	--	--	--
	929	162+68.60	40.84	12	1	--	--	--	--
TOTALS					18	1	1	1	1

* QUANTITIES LISTED ELSEWHERE

ALL ITEMS CATEGORY 0010

DRIVEWAY CULVERTS & APRON ENDWALLS

ROADWAY	PIPE ID	PIPE END STATION UPSTREAM	PIPE END OFFSET UPSTREAM	PIPE INVERT UPSTREAM	PIPE END STATION DOWNSTREAM	PIPE END OFFSET DOWNSTREAM	PIPE INVERT DOWNSTREAM	522.0112 CULVERT PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	522.1012* APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH
W. EDGERTON AVENUE									
	200	103+17.00	41.6	769.90	103+49.55	41.96	769.25	33	2
	271	116+93.44	-28.41	763.87	117+06.01	-28.12	763.79	13	2
	266	118+32.41	26.92	763.78	118+04.88	27.59	763.65	28	2
	273	132+40.42	-27.66	789.98	132+59.78	-27.20	789.88	19	2
	320	142+07.49	-180	783.64	142+08.69	-190.39	783.59	10	2
	321	142+93.75	-84.35	785.42	142+96.26	-113.01	784.41	29	2
	322	142+96.13	-132.97	783.95	142+96.47	-157.25	783.61	24	2
	376	148+30.97	-28.29	775.84	148+39.75	-27.89	775.80	9	2
	278	149+40.49	-28.62	775.18	149+50.43	-27.60	775.13	10	2
	277	150+99.88	-27.54	774.97	150+90.15	-27.71	774.92	10	2
	276	151+74.90	-27.53	775.23	151+62.13	-27.01	775.17	13	2
	274	152+55.44	-26.63	776.00	152+40.62	-26.74	775.93	15	2
	950	157+52.06	-39.51	773.03	157+67.36	-39.83	772.87	15	2
	369	162+77.16	-41.9	775.47	162+65.64	-41.10	775.36	12	2
	319	163+84.30	-42.86	776.01	163+75.65	-43.46	775.60	9	2
TOTALS								247	30

* QUANTITIES LISTED ELSEWHERE

CONCRETE COLLARS FOR PIPE

ROADWAY	STATION	OFFSET	520.8000 CONCRETE COLLARS FOR PIPE EACH
W. EDGERTON AVENUE			
	97+50.34	21'RT	1
	97+72.52	50'RT	1
	97+74.52	50'RT	1
	98+06.49	51'RT	1
	98+88.17	25'LT	1
	99+97.48	23'RT	1
	99+97.84	24'LT	1
	99+97.86	26'LT	1
	101+99.93	41'LT	1
	102+00.10	51'LT	1
	107+27.92	34' LT	1
	108+27.43	27'RT	1
	110+37.92	417' LT	1
	112+43.09	15'LT	1
	112+43.13	19'RT	1
	112+43.18	13'RT	1
	112+43.33	19'LT	1
	116+25.01	22'LT	1
	116+75.76	49'LT	1
	116+87.87	23' RT	1
	118+50.79	48'RT	1
	119+72.15	25'LT	1
	123+31.29	33' LT	1
	125+45.36	128'LT	1
	125+45.40	123'LT	1
	125+91.96	31'LT	1
	133+89.87	61'LT	1
	134+15.86	61'LT	1
	142+33.52	59' RT	1
	142+37.81	59' RT	1
	144+54.14	33'RT	1
	144+60.12	33'RT	1
	144+72.72	33'RT	1
	144+75.46	52'RT	1
	144+75.52	43'RT	1

CONCRETE COLLARS FOR PIPE (CONT'D)

ROADWAY	STATION	OFFSET	520.8000 CONCRETE COLLARS FOR PIPE EACH
	144+75.68	36'RT	1
	146+46.59	28'RT	1
	146+49.16	42'LT	1
	146+49.27	47'LT	1
	152+74.63	30' RT	1
	155+83.37	8'RT	1
	155+84.77	50'LT	1
	155+84.88	44'LT	1
	155+85.19	64'LT	1
	155+85.35	66'LT	1
	160+13.69	59'RT	1
	167+96.80	9'RT	1
TOTAL			47

ALL ITEMS CATEGORY 0010

ADJUSTING STRUCTURES

LOCATION	STATION	OFFSET FT	EXISTING RIM ELEVATION	TO	PROPOSED RIM ELEVATION	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH
W. EDGERTON AVENUE							
	94+03.32	31'LT	775.42		775.22	1	--
	95+77.84	25'LT	771.12		771.04	1	--
	97+67.04	33'LT	769.34		770.18	1	--
	112+43.26	32'RT	767.81		768.44	1	--
	115+15.14	31'RT	766.14		767.07	1	--
	115+40.05	53'RT	766.61		766.24	1	--
	115+88.46	48'RT	765.87		765.69	1	--
	115+89.09	21'LT	765.90		765.94	1	--
	115+93.82	54'RT	765.16		765.55	--	1
	119+44.84	16'RT	766.30		765.76	1	--
	119+57.63	33'LT	766.45		765.91	--	1
	125+44.89	31'LT	778.26		778.31	1	--
	125+45.74	81'LT	776.94		777.57	1	--
	133+95.63	61'LT	790.12		789.64	1	--
	142+57.67	6'RT	787.73		786.99	1	--
	142+97.10	33'RT	786.83		786.82	1	--
	144+76.09	144'RT	782.48		781.87	1	--
	146+48.68	21'LT	779.34		778.76	1	--
	154+74.37	40'RT	775.70		775.20	1	--
	160+19.15	52'LT	772.03		771.71	--	1
	146+46.43	32'RT	778.58		779.46	1	--
	146+48.68	21'LT	779.34		778.76	1	--
	154+74.37	40'RT	775.70		775.20	1	--
	160+19.15	52'LT	772.03		771.71	--	1
TOTAL						20	4

RECONSTRUCTING STRUCTURES

LOCATION	STATION	OFFSET FT	EXISTING RIM ELEVATION	TO	PROPOSED RIM ELEVATION	611.0420 RECONSTRUCTING MANHOLES EACH
W. EDGERTON AVE.						
	101+99.72	28.6' LT	768.18		771.09	1
	110+38.11	32.7' LT	769.96		772.19	1
	111+00.61	32.4' RT	769.04		770.66	1
	111+00.64	32.7' RT	769.17		770.65	1
	123+77.05	32.7' LT	771.15		773.24	1
	143+87.74	35.3' RT	786.09		784.74	1
TOTALS						6

DRAIN TILE EXPLORATION

ROADWAY	STATION	OFFSET	612.0700 DRAIN TILE EXPLORATION LF
W. EDGERTON AVENUE			
	UNDISTRIBUTED (10 LOCATIONS @ 20 LF EACH)		200
TOTAL			200

ALL ITEMS CATEGORY 0010

3

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	90	93+60.34	21.4	LT	775.72	INLETS 2X2.5-FT	S	3.22		P91	90	E275	772.50	772.30	0.50	40	44	III	12	
EDGERTON AVE	94	94+69.73	21.9	LT	772.35	INLETS 2X2.5-FT	S	3.65		P95	94	E99	768.70	767.65	1.00	105	108	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE96	---	E99	---	---	---	---	---	---	12	
EDGERTON AVE	97	95+98.05	21.9	LT	770.36	INLETS 2X2.5-FT	S	2.54		P98	97	E99	767.82	767.65	1.00	17	20	III	12	
EDGERTON AVE	E99	95+77.84	24.7	LT	771.04	---	---	---		PE99A	E99	---	---	---	---	---	---	---	12	
EDGERTON AVE	100	98+08.49	51.0	RT	768.62	CATCH BASINS 2X2.5-FT	W	4.03	DEPRESSED 1"	PE101	100	102	764.59	764.27	---	---	---	---	12	
EDGERTON AVE	102	97+72.52	49.7	RT	768.73	CATCH BASINS 2X2.5-FT	W	4.46		PE103	102	PE105	764.27	764.21	---	---	---	---	12	
EDGERTON AVE	106	96+81.84	21.4	RT	769.62	INLETS 2X2.5-FT	S	3.00		P107	106	108	766.62	766.06	1.00	56	58	III	12	
EDGERTON AVE	108	97+39.80	23.6	RT	768.98	INLETS 2X2.5-FT	S	2.92		P109	108	110	766.06	766.00	2.00	3	7	III	12	
EDGERTON AVE	110	97+46.76	21.0	RT	760.90	MANHOLES 6-FT DIAMETER	Q	-4.35		PE111	110	PE112	765.25	764.91	---	---	---	---	12	
EDGERTON AVE	118	96+98.66	25.7	LT	770.01	INLETS 2X2.5-FT	S	2.88		P119	118	E120	767.13	766.50	1.00	63	69	III	12	
EDGERTON AVE	E120	97+67.04	33.3	LT	770.18	---	---	---		PE121	E120	PE123	---	761.35	---	---	---	---	58x91	
EDGERTON AVE	126	98+77.60	19.0	RT	768.45	INLETS 2X2.5-FT	W	2.35	DEPRESSED 1"	P127	126	130	766.10	766.00	1.00	10	12	IV	12	
EDGERTON AVE	128	99+17.86	40.3	RT	768.00	INLETS MEDIAN 1 GRATE	MS	1.67		P129	128	130	766.33	766.00	1.00	33	36	III	12	
EDGERTON AVE	130	98+89.80	19.0	RT	768.49	INLETS 2X2.5-FT	W	2.49	DEPRESSED 1"	P131	130	134	766.00	765.66	1.00	34	36	IV	12	
EDGERTON AVE	132	98+69.23	19.0	LT	768.45	INLETS 2X2.5-FT	W	2.62	DEPRESSED 1"	P133	132	134	765.83	765.66	1.00	17	19	IV	12	
EDGERTON AVE	134	98+88.44	19.0	LT	768.48	INLETS 2X2.5-FT	W	6.14	DEPRESSED 1"	P135	134	PE135A	762.34	762.28	1.00	6	7	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE135A	P135	E135B	762.28	---	---	---	---	---	12	
EDGERTON AVE	145	99+62.24	45.2	LT	766.95	INLETS 2X2.5-FT	S	3.80		P146	145	149	763.15	762.80	1.00	35	37	III	12	
EDGERTON AVE	147	100+67.06	48.0	LT	766.90	INLETS 2X2.5-FT	S	3.45		P148	147	149	763.45	762.80	1.00	65	68	III	12	
EDGERTON AVE	149	99+99.33	43.4	LT	767.77	INLETS 2X2.5-FT	S	4.97		P150	149	E157	762.80	762.68	1.00	12	13	III	12	

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION. CATCH BASINS DEPTH SHOWN DOES NOT INCLUDE 2-FT SUMP.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.
[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	151	102+13.29	37.8	RT	770.40	INLETS 2X2.5-FT	S	3.97		P151A	151	152	766.43	765.50	1.00	93	96	III	12	
EDGERTON AVE	152	101+17.74	42.3	RT	768.70	INLETS 2X2.5-FT	S	3.56		P152A	152	153	765.14	764.63	0.50	102	104	III	12	
EDGERTON AVE	153	100+13.27	42.6	RT	768.00	INLETS 2X2.5-FT	S	3.37		P153A	153	154	764.63	764.56	0.50	15	18	III	12	
EDGERTON AVE	154	99+96.68	35.1	RT	769.42	MANHOLES 4-FT DIAMETER	Q	4.86		P154A	154	PE154B	764.56	764.39	1.66	10	12	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE154B	P154A	P154C	764.39	762.16	---	---	---	---	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P154C	PE154B	PE154D	762.16	762.14	1.00	2	2	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE154D	P154C	E157	762.14	---	---	---	---	---	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		---	---	---	--	---	---	---	---	---	---	
EDGERTON AVE	E177	101+99.72	28.6	LT	771.09	---	---	---		PE178	E177	181	---	758.02	---	---	---	---	48x76	
EDGERTON AVE	179	102+99.10	45.5	LT	768.96	INLETS 2X2.5-FT	S	4.75		P180	179	181	764.21	763.28	1.00	93	99	III	12	
EDGERTON AVE	181	102+00.01	45.7	LT	768.30	MANHOLES 10-FT DIAMETER	S	10.28		PE182	181	---	758.02	---	---	---	---	---	48x76	
EDGERTON AVE	---	---	---	---	---	---	---	--		P203	ENDWALL	206	769.20	767.73	1.38	107	108	III	12	
EDGERTON AVE	204	105+67.37	38.6	RT	770.52	INLETS MEDIAN 1 GRATE	MS	2.33		P205	204	206	768.19	767.73	0.50	91	94	III	12	
EDGERTON AVE	206	104+73.52	38.6	RT	769.90	INLETS MEDIAN 1 GRATE	MS	2.67		P207	206	208	767.23	767.14	0.50	19	22	III	18	
EDGERTON AVE	208	104+80.01	19.0	RT	770.10	INLETS 2X2.5-FT	W	2.96	DEPRESSED 1"	P209	208	210	767.14	766.97	0.50	34	36	IV	18	
EDGERTON AVE	210	104+79.90	19.0	LT	770.10	INLETS 2X2.5-FT	W	3.38	DEPRESSED 1"	P211	210	216	766.72	766.64	0.60	13	16	III	21	
EDGERTON AVE	212	105+61.95	45.0	LT	768.90	INLETS MEDIAN 1 GRATE	MS	1.62		P213	212	214C	767.28	767.07	0.30	71	73	III	12	
EDGERTON AVE	214A	104+37.29	40.9	LT	769.37	INLETS MEDIAN 1 GRATE	MS	2.15		P214B	214A	214C	767.22	767.07	0.30	49	51	III	12	
EDGERTON AVE	214C	104+88.57	41.9	LT	769.00	INLETS MEDIAN 1 GRATE	MS	1.93		P215	214C	216	767.07	767.05	0.30	7	11	III	12	
EDGERTON AVE	216	104+88.57	31.3	LT	770.92	MANHOLES 4-FT DIAMETER	Q	4.62		P217	216	P219	766.30	766.08	0.60	36	38	III	21	
EDGERTON AVE	---	---	---	---	---	---	---	--		P219	P217	P221	766.08	765.86	0.60	37	37	III	21	
EDGERTON AVE	---	---	---	---	---	---	---	--		P221	P219	P223	765.86	765.76	0.60	17	17	III	21	
EDGERTON AVE	---	---	---	---	---	---	---	--		P223	P221	P225	765.76	765.44	0.60	54	54	III	21	
EDGERTON AVE	---	---	---	---	---	---	---	--		P225	P223	227	765.44	765.40	0.60	7	7	III	21	
EDGERTON AVE	---	---	---	---	---	---	---	--		P227	P225	229	765.40	764.91	0.60	82	84	III	21	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE228	---	229	---	767.24	---	---	---	---	6	
EDGERTON AVE	229	107+26.70	30.8	LT	773.01	MANHOLES 4-FT DIAMETER	Q	8.10		P230	229	258	764.91	764.24	0.60	112	116	III	21	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE231	---	238	---	768.72	---	---	---	---	6	
EDGERTON AVE	238	108+27.54	24.6	RT	772.43	MANHOLES 4-FT DIAMETER	Q	3.71		P243	238	246	768.72	768.70	0.50	4	7	III	12	
EDGERTON AVE	244	108+49.08	19.0	RT	771.72	INLETS 2X2.5-FT	W	2.60	DEPRESSED 1"	P245	244	246	769.12	768.95	1.00	17	20	IV	12	

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION. CATCH BASINS DEPTH SHOWN DOES NOT INCLUDE 2-FT SUMP.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.
[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES									
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	246	108+29.34	19.1	RT	771.74	INLETS 2X2.5-FT	W	3.04	DEPRESSED 1"	P247	246	250	768.70	768.34	1.00	36	38	IV	15	
EDGERTON AVE	248	108+51.06	19.0	LT	771.72	INLETS 2X2.5-FT	W	3.07	DEPRESSED 1"	P249	248	250	768.65	768.59	1.00	6	9	IV	12	
EDGERTON AVE	250	108+42.54	19.0	LT	771.73	INLETS 2X2.5-FT	W	3.64	DEPRESSED 1"	P251	250	258	768.09	767.98	1.00	11	14	III	18	
EDGERTON AVE	252	107+37.21	44.4	LT	770.59	INLETS 2X2.5-FT	S	3.71		P253	252	254	766.88	766.27	1.00	60	63	III	12	
EDGERTON AVE	254	108+00.00	42.4	LT	770.70	INLETS 2X2.5-FT	S	4.43		P255	254	256	766.27	765.84	1.00	43	45	III	12	
EDGERTON AVE	256	108+45.45	43.3	LT	770.24	INLETS 2X2.5-FT	S	4.40		P257	256	258	765.84	765.75	1.00	9	12	III	12	
EDGERTON AVE	258	108+42.22	31.7	LT	772.54	MANHOLES 4-FT DIAMETER	Q	8.55		P259	258	P261	763.99	763.69	0.60	50	52	III	24	
EDGERTON AVE	---	---	---	---	---	---	---	--		P261	P259	P262	763.69	763.29	0.60	66	66	III	24	
EDGERTON AVE	---	---	---	---	---	---	---	--		P262	P261	263	763.29	762.93	0.60	60	62	III	24	
EDGERTON AVE	263	110+22.12	32.6	LT	772.46	MANHOLES 4-FT DIAMETER	Q	9.53		P263A	263	264	762.93	761.72	0.60	201	205	III	24	
EDGERTON AVE	264	110+26.39	238.0	LT	768.80	MANHOLES 4-FT DIAMETER	Q	7.08		P264A	264	ENDWALL	761.72	761.52	0.60	33	35	III	24	
EDGERTON AVE	E275	94+03.32	31.5	LT	775.42	---	---	---		PE93	E275	---	---	---	---	---	---	---	30	
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EDGERTON AVE	---	---	---	---	---	---	---	--		PE280	---	384	---	761.57	---	---	---	---	6	
EDGERTON AVE	281	116+51.93	23.3	LT	765.26	MANHOLES 4-FT DIAMETER	Q	5.26		P282	281	PE279	760.00	759.93	0.30	25	27	III	12	
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EDGERTON AVE	---	---	---	---	---	---	---	--		PE290	---	285	---	761.31	---	---	---	---	6	
EDGERTON AVE	285	118+51.33	47.2	RT	764.73	INLETS 2X2.5-FT	S	3.86		P291	285	551	760.87	760.53	1.00	34	37	III	12	
EDGERTON AVE	286	117+61.85	47.1	RT	764.69	INLETS 2X2.5-FT	S	3.38		P293	286	289	761.31	760.85	1.00	46	50	III	12	
EDGERTON AVE	287	117+75.00	28.1	RT	763.50	INLETS 2X2.5-FT	S	2.51		P353	287	296	760.99	760.93	0.50	11	14	III	12	
EDGERTON AVE	289	117+98.85	14.0	RT	765.19	MANHOLES 5-FT DIAMETER	Q	4.34		P292	289	551	760.85	760.53	0.50	64	69	III	12	
EDGERTON AVE	295	117+75.03	5.5	LT	765.40	MANHOLES 4-FT DIAMETER	Q	4.42	CONTROL STRUCTURE	P354	295	297	760.98	760.89	0.50	19	23	III	12	
EDGERTON AVE	296	117+74.92	14.0	RT	765.23	MANHOLES 4-FT DIAMETER	Q	4.30	CONTROL STRUCTURE	P299	296	297	760.93	760.89	0.50	7	11	III	12	
EDGERTON AVE	297	117+86.37	14.0	RT	765.20	MANHOLES 4-FT DIAMETER	Q	4.31		P298	297	289	760.89	760.85	0.50	8	12	III	12	
EDGERTON AVE	300	111+22.01	40.8	LT	768.50	INLETS MEDIAN 1 GRATE	MS	2.62		P301	300	302	765.88	764.50	1.00	138	140	III	12	
EDGERTON AVE	302	112+62.34	43.4	LT	766.10	INLETS MEDIAN 1 GRATE	MS	1.60		P303	302	304	764.50	764.02	0.50	96	99	III	12	
EDGERTON AVE	304	113+61.10	39.5	LT	766.24	INLETS MEDIAN 1 GRATE	MS	2.22		P305	304	306	764.02	763.72	0.50	59	62	III	12	
EDGERTON AVE	306	114+22.76	37.8	LT	766.35	INLETS MEDIAN 1 GRATE	MS	2.63		P307	306	308	763.72	763.35	0.50	75	77	III	12	
EDGERTON AVE	308	114+99.91	43.9	LT	764.80	INLETS MEDIAN 1 GRATE	MS	1.45		P309	308	310	763.35	763.10	1.00	25	27	III	12	

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[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	310	115+08.96	19.0	LT	766.39	INLETS 2X2.5-FT	W	3.29		P311	310	312	763.10	762.76	1.00	34	36	IV	12	
EDGERTON AVE	312	115+14.53	19.0	RT	766.38	INLETS 2X2.5-FT	W	3.62		P313	312	E319	762.76	762.67	1.00	9	13	III	12	
EDGERTON AVE	314	115+52.57	52.1	RT	765.69	INLETS 2X2.5-FT	W	6.36		P315	314	E317	759.33	759.14	2.00	10	14	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE316	---	E317	---	---	---	---	---	---	36	
EDGERTON AVE	E317	115+39.86	52.5	RT	766.41	---	---	---		---	---	---	--	---	---	---	---	---	---	
EDGERTON AVE	E319	115+15.14	30.5	RT	767.07	---	---	---		PE320	E319	PE322	---	756.07	---	---	---	---	42	
EDGERTON AVE	321A	113+96.94	36.4	RT	767.20	INLETS MEDIAN 2 GRATE	MS	1.57		P329	321A	326	765.63	764.70	1.00	93	97	III	12	
EDGERTON AVE	326	112+99.76	37.8	RT	767.21	INLETS 2X2.5-FT	S	2.51		P331	326	330	764.70	763.96	1.00	74	77	III	12	
EDGERTON AVE	327	112+23.36	19.0	RT	767.82	INLETS 2X2.5-FT	W	4.05		P334	327	332	763.77	763.60	1.00	17	20	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE327	---	328	---	764.70	---	---	---	---	6	
EDGERTON AVE	328	112+43.38	19.0	LT	767.72	INLETS 2X2.5-FT	W	3.95		PE329	328	332	763.77	763.60	---	---	---	---	12	
EDGERTON AVE	330	112+23.02	39.0	RT	767.44	INLETS 2X2.5-FT	S	3.48		P333	330	327	763.96	763.77	1.00	19	21	III	12	
EDGERTON AVE	332	112+43.10	19.0	RT	767.72	INLETS 2X2.5-FT	W	5.31		PE333	332	E334	762.41	---	---	---	---	---	12	
EDGERTON AVE	E334	112+43.26	31.5	RT	768.44	---	---	---		PE335	E334	---	---	755.46	---	---	---	---	42	
EDGERTON AVE	337	142+37.74	58.7	RT	786.72	CATCH BASINS 2X2.5-FT	W	4.31		PE341A	337	E780	782.41	---	---	---	---	---	15	
EDGERTON AVE	339	142+08.07	44.4	RT	786.66	CATCH BASINS 2X2.5-FT	W	3.61		P377	339	340	783.05	782.79	1.00	26	28	III	12	
EDGERTON AVE	340	142+37.99	43.5	RT	786.68	CATCH BASINS 2X2.5-FT	W	3.89		P351	340	337	782.79	782.66	1.00	13	15	III	12	
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EDGERTON AVE	---	---	---	---	---	---	---	--		PE342A	---	337	---	782.41	---	---	---	---	15	
EDGERTON AVE	343	109+37.58	39.1	RT	771.65	INLETS 2X2.5-FT	S	5.08		P344	343	348	766.57	765.82	1.00	75	78	IV	12	

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[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	345	110+95.31	40.2	RT	768.90	INLETS 2X2.5-FT	S	2.29		P346	345	348	766.61	765.82	1.00	79	83	III	12	
EDGERTON AVE	348	110+14.20	25.1	RT	772.45	MANHOLES 4-FT DIAMETER	Q	6.63		P349	348	263	765.82	765.28	1.00	54	58	III	12	
EDGERTON AVE	E350	110+38.11	32.7	LT	772.19	---	---	---		---	---	---	--	---	---	---	---	---	---	
EDGERTON AVE	---	---	---	---	---	---	---	--		P355	ENDWALL	295	763.43	762.40	6.66	15	17	III	12	
EDGERTON AVE	364	132+91.30	25.8	LT	789.57	INLETS 2X2.5-FT	S	4.10		P367	364	365	785.47	785.46	0.50	3	6	III	12	
EDGERTON AVE	365	132+90.21	31.6	LT	790.41	MANHOLES 4-FT DIAMETER	Q	4.95	CONTROL STRUCTURE	P366	365	423	785.46	785.44	0.50	3	8	III	12	
EDGERTON AVE	375	117+72.15	50.0	LT	763.56	INLETS 2X2.5-FT	S	1.85		P294	375	289	761.71	761.38	0.50	66	69	III	12	
EDGERTON AVE	378	150+48.14	11.0	RT	776.30	MANHOLES 4-FT DIAMETER	Q	2.68		P386	378	380	773.62	773.55	0.50	14	18	IV	12	
EDGERTON AVE	379	150+49.54	0.0	RT	776.52	MANHOLES 4-FT DIAMETER	Q	2.89		P383	379	380	773.63	773.55	0.50	16	20	IV	12	
EDGERTON AVE	380	150+65.96	11.0	RT	776.33	MANHOLES 4-FT DIAMETER	Q	2.78	CONTROL STRUCTURE	P382	380	868A	773.55	773.49	0.50	12	16	IV	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P283	PE381	281	761.81	761.24	1.00	57	59	PVC	6	
EDGERTON AVE	384	116+75.42	48.4	LT	764.78	INLETS 2X2.5-FT	S	4.47		P284	384	281	760.31	760.00	1.00	31	34	III	12	
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EDGERTON AVE	---	---	---	---	---	---	---	--		PE381	---	P283	---	761.81	---	---	---	---	6	
EDGERTON AVE	---	---	---	---	---	---	---	--		P387	ENDWALL	378	774.19	773.62	7.65	7	9	IV	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P391	ENDWALL	E809	777.95	775.81	1.85	116	119	IV	12	
EDGERTON AVE	400	136+72.89	41.9	LT	792.70	INLETS 2X2.5-FT	S	1.82		P401	400	403	790.88	789.39	2.50	59	63	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P402	ENDWALL	403	790.55	789.39	3.98	29	31	III	12	
EDGERTON AVE	403	136+15.26	19.0	LT	792.65	CATCH BASIN 4-FT DIAMETER	W	3.26		P404	403	405	789.39	789.15	0.75	32	35	IV	12	
EDGERTON AVE	405	136+15.26	19.0	RT	792.65	CATCH BASINS 2X2.5-FT	W	3.50		P406	405	412	789.15	788.50	0.75	87	91	IV	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P409	ENDWALL	410	791.05	789.11	5.29	37	38	IV	12	
EDGERTON AVE	410	135+52.19	40.6	RT	791.51	CATCH BASINS 2X2.5-FT	W	2.68		P411	410	412	788.83	788.50	1.00	33	38	III	15	
EDGERTON AVE	412	135+24.41	19.0	RT	790.96	CATCH BASIN 6-FT DIAMETER	W	2.71		P413	412	417	788.25	787.51	1.00	74	79	IV	15	
EDGERTON AVE	---	---	---	---	---	---	---	--		P414	ENDWALL	415	789.37	788.08	4.62	28	30	IV	12	
EDGERTON AVE	415	134+45.24	19.0	LT	790.19	CATCH BASINS 2X2.5-FT	W	2.11		P416	415	417	788.08	787.76	1.00	32	35	IV	12	
EDGERTON AVE	417	134+45.24	19.0	RT	790.19	CATCH BASIN 4-FT DIAMETER	W	2.93		P418	417	419	787.26	786.72	1.00	54	58	IV	18	
EDGERTON AVE	419	133+87.53	19.0	RT	790.00	CATCH BASIN 4-FT DIAMETER	W	3.44		P420	419	423	786.56	785.26	1.20	108	113	IV	18	
EDGERTON AVE	423	132+89.95	39.1	LT	791.18	MANHOLES 5-FT DIAMETER	Q	6.24		P424	423	429	784.94	784.16	1.50	52	56	III	18	
EDGERTON AVE	425	132+90.14	46.8	LT	790.21	INLETS 2X2.5-FT	S	4.73		P368	425	423	785.48	785.44	1.00	4	8	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P1385	ENDWALL	379	774.31	773.63	3.69	18	20	IV	12	
EDGERTON AVE	426A	132+62.26	38.1	RT	790.90	INLETS 2X2.5-FT	S	3.00		P426B	426A	429	787.90	787.11	1.00	79	82	IV	12	
EDGERTON AVE	427	132+33.92	47.4	LT	790.63	INLETS 2X2.5-FT	S	5.64		P363	427	429	784.99	784.94	1.00	5	8	III	12	
EDGERTON AVE	429	132+33.73	39.1	LT	791.97	MANHOLES 4-FT DIAMETER	Q	7.81		P430	429	433	784.16	782.37	1.50	119	123	III	18	

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[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.
[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	431	131+10.36	41.8	LT	790.50	INLETS 2X2.5-FT	S	4.62		P432	431	433	785.88	785.67	2.50	8	11	III	12	
EDGERTON AVE	433	131+10.69	30.5	LT	792.22	MANHOLES 4-FT DIAMETER	Q	9.85		P434	433	437	782.37	781.67	1.50	47	51	III	18	
EDGERTON AVE	435	130+61.12	39.3	RT	790.80	INLETS 2X2.5-FT	S	3.50		P436	435	437	787.30	786.63	1.00	67	70	III	12	
EDGERTON AVE	437	130+60.19	30.5	LT	791.93	MANHOLES 4-FT DIAMETER	Q	10.26		P438	437	451	781.67	778.56	1.50	207	211	III	18	
EDGERTON AVE	439	128+07.86	41.9	RT	787.80	CATCH BASINS 2X2.5-FT	W	2.50		P440	439	441	785.30	785.22	0.50	15	17	III	12	
EDGERTON AVE	441	128+26.99	42.7	RT	788.14	CATCH BASINS 2X2.5-FT	W	2.92		P442	441	445	785.22	785.04	0.50	35	39	III	12	
EDGERTON AVE	443	128+73.17	39.0	RT	788.40	INLETS 2X2.5-FT	S	3.11		P444	443	445	785.29	785.04	1.00	25	29	IV	12	
EDGERTON AVE	445	128+54.95	19.0	RT	788.36	CATCH BASIN 4-FT DIAMETER	W	3.57		P446	445	447	784.79	784.47	1.00	32	35	IV	15	
EDGERTON AVE	447	128+54.95	19.0	LT	788.36	CATCH BASINS 2X2.5-FT	W	4.74		P448	447	451	783.62	783.51	1.00	11	14	III	15	
EDGERTON AVE	449	128+52.06	48.3	LT	785.59	INLETS 2X2.5-FT	S	3.11		P450	449	451	782.48	782.33	1.00	15	18	III	12	
EDGERTON AVE	451	128+48.90	30.5	LT	788.93	MANHOLES 4-FT DIAMETER	Q	10.37		P452	451	465	778.56	772.34	2.50	249	254	III	18	
EDGERTON AVE	453	126+63.26	40.5	RT	782.02	INLETS 2X2.5-FT	S	4.51		P454	453	457	777.51	777.03	1.00	48	51	III	12	
EDGERTON AVE	455	125+72.08	38.7	RT	779.00	INLETS MEDIAN 1 GRATE	MS	1.50		P456	455	457	777.50	777.03	1.00	47	51	III	12	
EDGERTON AVE	457	126+17.80	19.0	RT	781.11	CATCH BASIN 4-FT DIAMETER	W	4.08		P458	457	459	777.03	776.66	1.00	37	41	III	12	
EDGERTON AVE	459	125+94.96	19.0	LT	780.30	CATCH BASIN 4-FT DIAMETER	W	3.64		P460	459	465	776.66	776.57	1.00	9	14	III	12	
EDGERTON AVE	463	126+06.08	43.7	LT	778.44	INLETS MEDIAN 1 GRATE	MS	1.75		P464	463	465	776.69	776.57	1.00	12	17	III	12	
EDGERTON AVE	465	125+94.96	30.8	LT	780.18	MANHOLES 6-FT DIAMETER	Q	8.18		PE466	465	PE484	772.00	770.83	---	---	---	---	21	
EDGERTON AVE	469	125+39.31	125.2	LT	777.06	CATCH BASINS 2X2.5-FT	W	4.09		P471	469	477	772.97	772.95	1.00	2	5	III	12	
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EDGERTON AVE	---	---	---	---	---	---	---	--		PE474	PE472	477	770.85	770.78	---	---	---	---	27	
EDGERTON AVE	475	125+69.30	124.8	LT	777.06	CATCH BASINS 2X2.5-FT	W	3.92		P476	475	477	773.14	772.95	1.00	19	23	III	12	
EDGERTON AVE	477	125+45.38	125.1	LT	777.22	MANHOLES 5-FT DIAMETER	Q	6.44		PE478	477	---	770.78	770.53	---	---	---	---	27	
EDGERTON AVE	488	123+72.29	45.5	LT	770.38	INLETS 2X2.5-FT	S	1.67		P489	488	E494	768.71	768.61	1.00	10	14	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE493	---	E494	---	---	---	---	---	---	6	
EDGERTON AVE	E494	123+76.93	32.6	LT	773.24	---	---	---		PE495	E494	508	---	763.91	---	---	---	---	30	
EDGERTON AVE	496	123+77.04	45.8	RT	770.40	INLETS 2X2.5-FT	S	2.39		P497	496	498	768.01	767.62	1.00	38	41	III	12	
EDGERTON AVE	498	123+36.26	41.6	RT	770.11	INLETS 2X2.5-FT	S	2.49		P500	498	501	767.62	767.39	1.00	23	25	III	12	
EDGERTON AVE	501	123+29.22	19.0	RT	770.90	CATCH BASINS 2X2.5-FT	W	3.76		P503	501	504	767.14	766.80	1.00	34	36	IV	15	
EDGERTON AVE	504	123+29.22	19.0	LT	770.90	CATCH BASINS 2X2.5-FT	W	4.10		P505	504	508	766.80	766.69	1.00	11	15	III	15	

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION. CATCH BASINS DEPTH SHOWN DOES NOT INCLUDE 2-FT SUMP.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.
[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	506	122+78.06	39.9	LT	769.24	INLETS 2X2.5-FT	S	4.31		P1507	506	509B	764.93	764.89	1.00	4	7	III	12	
EDGERTON AVE	508	123+28.79	32.6	LT	771.62	MANHOLES 5-FT DIAMETER	Q	7.71		P509A	508	509B	763.91	763.39	1.13	46	51	III	30	
EDGERTON AVE	509B	122+77.43	32.4	LT	770.16	MANHOLES 5-FT DIAMETER	Q	6.77		P509C	509B	P511	763.39	763.38	1.13	1	4	III	30	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE510	---	P511	---	764.94	---	---	---	---	6	
EDGERTON AVE	---	---	---	---	---	---	---	--		P511	509B	513	763.38	762.93	1.13	40	40	III	30	
EDGERTON AVE	---	---	---	---	---	---	---	--		P513	P511	520	762.93	762.33	1.13	53	56	III	30	
EDGERTON AVE	514	122+06.47	38.4	RT	767.48	INLETS MEDIAN 2 GRATE	MS	2.97		P515	514	516	764.51	764.35	0.50	32	36	III	18	
EDGERTON AVE	516	121+77.71	19.0	RT	767.37	CATCH BASIN 4-FT DIAMETER	W	3.02		P517	516	518	764.35	764.03	1.00	32	35	IV	18	
EDGERTON AVE	518	121+77.71	19.0	LT	767.37	CATCH BASINS 2X2.5-FT	W	3.34		P519	518	520	764.03	763.92	1.00	11	14	III	18	
EDGERTON AVE	520	121+77.71	32.5	LT	768.11	MANHOLES 5-FT DIAMETER	Q	6.28		P521	520	528	761.83	761.31	1.13	46	51	III	36	
EDGERTON AVE	522	121+18.80	94.3	LT	766.13	CATCH BASINS 2X2.5-FT	W	2.37		P523	522	526	763.76	763.67	2.00	5	8	IV	12	
EDGERTON AVE	524	121+48.79	93.9	LT	766.13	CATCH BASINS 2X2.5-FT	W	2.29		P525	524	526	763.84	763.67	1.00	18	21	IV	12	
EDGERTON AVE	526	121+27.30	94.2	LT	766.34	MANHOLES 4-FT DIAMETER	Q	2.67		P527	526	528	763.67	763.38	0.50	57	62	III	12	
EDGERTON AVE	528	121+26.52	32.5	LT	766.66	MANHOLES 5-FT DIAMETER	Q	6.39		P529	528	540	760.27	759.45	1.13	72	77	III	36	
EDGERTON AVE	532	120+12.38	42.7	RT	765.70	CATCH BASINS 2X2.5-FT	W	2.70		P533	532	534	763.00	762.81	0.50	38	41	III	15	
EDGERTON AVE	534	120+52.00	42.9	RT	765.00	INLETS 2X2.5-FT	S	2.19		P535	534	536	762.81	762.69	0.50	23	25	III	15	
EDGERTON AVE	536	120+48.41	19.0	RT	766.18	CATCH BASINS 2X2.5-FT	W	3.74		P537	536	538	762.44	762.28	0.50	32	35	IV	15	
EDGERTON AVE	538	120+49.15	19.0	LT	766.18	CATCH BASIN 4-FT DIAMETER	W	3.90		P539	538	540	762.28	762.22	0.50	11	16	III	15	
EDGERTON AVE	540	120+49.38	32.6	LT	766.92	MANHOLES 5-FT DIAMETER	Q	7.47		P541	540	544	759.45	758.66	1.13	70	75	III	36	
EDGERTON AVE	542	119+77.09	44.5	LT	764.00	INLETS 2X2.5-FT	S	3.62		P543	542	544	760.38	760.21	1.00	16	19	III	12	
EDGERTON AVE	544	119+74.63	25.6	LT	766.43	MANHOLES 5-FT DIAMETER	Q	7.77		PE545	544	---	758.66	758.64	---	---	---	---	30	
EDGERTON AVE	---	---	---	---	---	---	---	--		---	---	---	--	---	---	---	---	---	---	
EDGERTON AVE	551	118+67.65	14.0	RT	765.42	MANHOLES 4-FT DIAMETER	Q	4.89		P552	551	E555	760.53	760.16	0.50	73	77	III	12	
EDGERTON AVE	553	119+47.99	37.1	RT	765.47	INLETS 2X2.5-FT	S	5.13		P554	553	E555	760.34	760.16	1.00	18	21	III	12	
EDGERTON AVE	E555	119+44.84	16.2	RT	765.76	---	---	---		PE556	E555	---	---	760.08	---	---	---	---	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		---	---	---	--	---	---	---	---	---	---	
EDGERTON AVE	575	133+87.87	61.2	LT	789.44	CATCH BASINS 2X2.5-FT	W	3.71		PE576	575	E579	785.73	---	---	---	---	---	12	
EDGERTON AVE	577	134+17.86	61.0	LT	789.44	CATCH BASINS 2X2.5-FT	W	3.80		PE578	577	E579	785.64	---	---	---	---	---	12	
EDGERTON AVE	E579	133+95.63	61.2	LT	789.64	---	---	---		---	---	---	--	---	---	---	---	---	---	
EDGERTON AVE	600	137+64.68	36.9	LT	793.31	INLETS MEDIAN 1 GRATE	MS	2.14		P601	600	602	791.17	790.47	1.00	70	73	III	12	

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION. CATCH BASINS DEPTH SHOWN DOES NOT INCLUDE 2-FT SUMP.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	602	138+37.34	41.2	LT	792.73	INLETS MEDIAN 1 GRATE	MS	2.26		P603	602	604	790.47	790.24	1.00	23	25	III	12	
EDGERTON AVE	604	138+47.88	19.0	LT	793.67	CATCH BASINS 2X2.5-FT	W	3.43		P605	604	606	790.24	789.98	1.00	26	29	IV	12	
EDGERTON AVE	606	138+47.88	11.0	RT	793.86	MANHOLES 4-FT DIAMETER	Q	3.88		P607	606	613	789.98	787.98	2.00	100	104	IV	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P608	ENDWALL	609	789.17	788.50	2.51	27	28	III	12	
EDGERTON AVE	609	139+52.00	19.0	LT	791.23	CATCH BASINS 2X2.5-FT	W	2.73		P610	609	613	788.50	787.98	2.00	26	29	IV	12	
EDGERTON AVE	611	139+52.00	19.0	RT	791.29	CATCH BASINS 2X2.5-FT	W	3.27		P612	611	613	788.02	787.98	1.00	4	7	III	12	
EDGERTON AVE	613	139+52.00	11.0	RT	791.43	MANHOLES 4-FT DIAMETER	Q	3.47		P614	613	616	787.96	785.54	2.00	121	125	IV	12	
EDGERTON AVE	615	140+76.95	41.0	LT	787.77	INLETS 2X2.5-FT	S	1.99		P615A	615	616	785.78	785.54	0.50	49	52	IV	12	
EDGERTON AVE	616	140+77.00	11.0	RT	788.87	MANHOLES 4-FT DIAMETER	Q	3.33		P617	616	622	785.54	783.53	2.00	100	105	IV	12	
EDGERTON AVE	618	141+82.42	19.0	LT	787.20	CATCH BASINS 2X2.5-FT	W	3.42		P619	618	622	783.78	783.53	1.00	25	29	IV	12	
EDGERTON AVE	620	141+80.07	19.0	RT	787.21	CATCH BASINS 2X2.5-FT	W	3.65		P621	620	622	783.56	783.53	1.00	3	7	IV	12	
EDGERTON AVE	622	141+82.42	11.0	RT	787.39	MANHOLES 6-FT DIAMETER	Q	4.11		P623	622	ENDWALL	783.28	782.50	1.00	78	81	IV	15	
EDGERTON AVE	---	---	---	---	---	---	---	--		P673	ENDWALL	674	780.50	780.48	0.75	3	5	IV	12	
EDGERTON AVE	674	142+50.96	212.7	LT	784.00	MANHOLES 4-FT DIAMETER	Q	3.60	CONTROL STRUCTURE	P675	674	675G	780.40	780.34	0.75	8	12	IV	12	
EDGERTON AVE	675A	142+96.63	184.0	LT	783.09	INLETS 2X2.5-FT	S	2.46		P675B	675A	675E	780.63	780.48	0.50	31	34	IV	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P675D	ENDWALL	675E	781.65	780.65	2.72	35	37	IV	12	
EDGERTON AVE	675E	142+82.48	214.9	LT	783.32	MANHOLES 4-FT DIAMETER	Q	2.84		P675F	675E	675G	780.48	780.34	0.50	28	32	IV	12	
EDGERTON AVE	675G	142+51.78	224.8	LT	783.38	MANHOLES 4-FT DIAMETER	Q	3.04		P675H	675G	676	780.34	779.33	0.75	135	139	IV	12	
EDGERTON AVE	676	142+60.63	363.3	LT	781.50	MANHOLES 4-FT DIAMETER	Q	2.17		P676A	676	ENDWALL	779.33	779.31	0.75	2	4	IV	12	
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EDGERTON AVE	784	144+42.43	19.0	LT	782.72	CATCH BASINS 2X2.5-FT	W	2.67		P785	784	786	780.05	779.71	1.00	34	36	IV	12	
EDGERTON AVE	786	144+42.43	19.0	RT	782.72	CATCH BASINS 2X2.5-FT	W	3.01		P787	786	790	779.71	779.54	1.00	17	21	III	12	
EDGERTON AVE	788	144+75.28	46.8	RT	781.15	MANHOLES 8-FT DIAMETER	S	4.70		PE794B	788	795	776.45	776.41	---	---	---	---	30	
EDGERTON AVE	790	144+57.05	33.0	RT	782.12	MANHOLES 6-FT DIAMETER	Q	5.66		PE791	790	795	776.46	776.31	---	---	---	---	27	
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EDGERTON AVE	795	144+75.67	32.6	RT	781.60	MANHOLES 8-FT DIAMETER	Q	5.33		P796	795	801	776.27	776.00	0.66	40	48	HE-III	34x53	
EDGERTON AVE	797	145+28.61	44.9	RT	780.73	INLETS 2X2.5-FT	S	3.04		P798	797	801	777.69	777.61	1.00	8	13	IV	12	
EDGERTON AVE	801	145+24.12	32.4	RT	780.80	MANHOLES 8-FT DIAMETER	Q	4.90		P802	801	803	775.90	775.14	0.66	114	122	HE-III	34x53	
EDGERTON AVE	803	146+46.43	31.9	RT	779.45	MANHOLES 8-FT DIAMETER	Q	5.85		PE804	803	E809	773.60	---	---	---	---	---	42	

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION. CATCH BASINS DEPTH SHOWN DOES NOT INCLUDE 2-FT SUMP.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.
[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES										
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	805	146+02.22	40.4	LT	778.57	INLETS MEDIAN 1 GRATE	MS	1.55		P806	805	807	777.02	776.56	2.00	23	25	III	12	
EDGERTON AVE	807	146+14.08	19.0	LT	779.05	CATCH BASINS 2X2.5-FT	W	2.49		P808	807	E809	776.56	775.81	2.50	30	35	IV	12	
EDGERTON AVE	E809	146+48.68	20.5	LT	778.76	---	---	---		PE810	E809	815	---	773.27	---	---	---	---	42	
EDGERTON AVE	811	146+44.09	45.3	LT	778.43	INLETS 2X2.5-FT	S	2.64		P812	811	815	775.79	775.77	1.00	2	5	IV	12	
EDGERTON AVE	813	146+71.89	46.2	LT	778.44	INLETS 2X2.5-FT	S	2.48		P814	813	815	775.96	775.77	1.00	19	23	IV	12	
EDGERTON AVE	815	146+49.22	45.0	LT	778.59	MANHOLES 5-FT DIAMETER	Q	5.32		PE816	815	---	773.27	---	---	---	---	---	42	
EDGERTON AVE	863	151+99.45	49.2	LT	775.76	INLETS MEDIAN 1 GRATE	MS	2.25		P864	863	869A	773.51	773.23	0.50	56	60	IV	12	
EDGERTON AVE	866	150+47.71	48.7	RT	775.27	INLETS MEDIAN 1 GRATE	MS	1.80		P867	866	868A	773.47	773.24	0.50	47	51	IV	15	
EDGERTON AVE	868A	150+81.52	11.0	RT	776.38	MANHOLES 4-FT DIAMETER	Q	3.92		P868B	868A	869A	772.46	771.95	0.45	114	118	IV	24	
EDGERTON AVE	869A	151+99.57	11.0	RT	776.97	MANHOLES 5-FT DIAMETER	Q	5.02		P869B	869A	877	771.95	771.63	0.45	70	75	III	24	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE874	---	P876	---	771.03	---	---	---	---	6	
EDGERTON AVE	---	---	---	---	---	---	---	--		P876	PE874	877	771.03	770.87	1.00	16	19	PVC	6	
EDGERTON AVE	877	152+74.63	11.0	RT	777.35	MANHOLES 5-FT DIAMETER	Q	6.72		P878	877	890	770.63	769.76	0.45	194	200	III	36	
EDGERTON AVE	879	154+20.54	42.4	LT	775.41	INLETS MEDIAN 1 GRATE	MS	2.00		P880	879	881	773.41	773.20	1.00	21	23	III	12	
EDGERTON AVE	881	154+43.59	40.2	LT	775.55	INLETS MEDIAN 1 GRATE	MS	2.35		P882	881	883	773.20	772.85	1.00	35	38	III	12	
EDGERTON AVE	883	154+74.37	19.0	LT	776.24	CATCH BASINS 2X2.5-FT	W	3.39		P884	883	890	772.85	772.60	1.00	25	29	IV	12	
EDGERTON AVE	885	155+45.27	44.3	RT	773.50	INLETS MEDIAN 1 GRATE	MS	2.59		P886	885	E888	770.91	770.57	0.50	68	71	III	18	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE887	---	E888	---	---	---	---	---	---	21	
EDGERTON AVE	E888	154+74.37	40.2	RT	775.20	---	---	---		P889	E888	890	769.87	769.76	0.45	24	29	III	27	
EDGERTON AVE	890	154+74.37	11.0	RT	776.48	MANHOLES 6-FT DIAMETER	Q	7.72		P891	890	896	768.76	768.39	0.45	82	88	III	42	
EDGERTON AVE	892	155+62.37	19.0	LT	775.40	CATCH BASINS 2X2.5-FT	W	2.90		P893	892	896	772.50	772.25	1.00	25	29	IV	12	
EDGERTON AVE	894	155+62.37	19.0	RT	775.40	CATCH BASINS 2X2.5-FT	W	3.98		P895	894	896	771.42	771.39	1.00	3	7	III	12	
EDGERTON AVE	896	155+62.37	11.0	RT	775.60	MANHOLES 6-FT DIAMETER	Q	7.21		P897	896	913	768.39	768.32	0.45	15	21	III	42	
EDGERTON AVE	900	156+17.41	61.5	LT	775.75	INLETS 2X2.5-FT	S	3.89		P901	900	902	771.86	771.53	1.00	33	36	IV	12	
EDGERTON AVE	902	155+84.72	46.0	LT	774.89	MANHOLES 5-FT DIAMETER	S	3.61		PE902A	902	913	771.28	771.04	---	---	---	---	18	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE906	---	P907	---	771.38	---	---	---	---	18	
EDGERTON AVE	---	---	---	---	---	---	---	--		P907	PE906	PE908	771.38	771.37	0.44	1	1	III	18	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE908	P907	902	771.37	771.30	---	---	---	---	18	
EDGERTON AVE	909	156+14.90	46.5	RT	774.62	INLETS 2X2.5-FT	S	2.44		P910	909	911	772.18	771.64	2.50	21	23	IV	12	
EDGERTON AVE	911	155+91.49	46.1	RT	774.61	INLETS 2X2.5-FT	S	2.97		P912	911	913	771.64	771.32	1.00	32	36	IV	12	

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION. CATCH BASINS DEPTH SHOWN DOES NOT INCLUDE 2-FT SUMP.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.
[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

STORM SEWER STRUCTURES										STORM SEWER PIPES									
ROADWAY	STRUCTURE NO.	STATION	OFFSET (FT)	LOCATION	RIM OR FLOW ELEV	STRUCTURE TYPE	INLET/MANHOLE COVERS TYPE	DEPTH[1] (FT)	STRUCTURE COMMENTS	PIPE ID	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE[A] %	PIPE LENGTH[B] (FT)	PLAN LENGTH[C] (FT)	PIPE CLASS	PIPE SIZE (INCH)	PIPE COMMENTS
EDGERTON AVE	913	155+83.29	11.0	RT	775.39	MANHOLES 6-FT DIAMETER	Q	7.07		P914	913	920	768.32	767.03	0.45	288	294	IV	42	
EDGERTON AVE	---	---	---	---	---	---	---	--		P915	ENDWALL	916	771.00	769.81	5.48	22	23	III	15	
EDGERTON AVE	916	158+77.00	19.0	RT	772.40	CATCH BASINS 2X2.5-FT	W	2.59		P917	916	920	769.81	769.78	1.00	3	7	IV	15	
EDGERTON AVE	918	158+77.00	19.0	LT	772.40	CATCH BASINS 2X2.5-FT	W	2.09		P919	918	920	770.31	770.06	1.00	25	29	IV	12	
EDGERTON AVE	920	158+77.00	11.0	RT	772.60	MANHOLES 6-FT DIAMETER	Q	5.57		P921	920	926	767.03	766.56	0.45	104	110	IV	42	
EDGERTON AVE	922	159+86.74	19.0	RT	771.85	CATCH BASINS 2X2.5-FT	W	2.26		P923	922	926	769.59	769.56	1.00	3	7	IV	12	
EDGERTON AVE	924	159+86.68	19.0	LT	771.85	CATCH BASINS 2X2.5-FT	W	2.04		P925	924	926	769.81	769.56	1.00	25	29	IV	12	
EDGERTON AVE	926	159+86.68	11.0	RT	772.04	MANHOLES 6-FT DIAMETER	Q	5.48		P927	926	952	766.56	766.45	0.45	24	31	IV	42	
EDGERTON AVE	---	---	---	---	---	---	---	--		P928	ENDWALL	930	771.51	770.98	2.87	18	20	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P929	ENDWALL	930	772.95	770.94	2.77	73	75	III	12	
EDGERTON AVE	930	161+98.00	19.0	RT	773.72	CATCH BASIN 4-FT DIAMETER	W	2.78		P931	930	935	770.94	770.92	1.00	2	6	IV	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P932	ENDWALL	933	772.31	771.18	7.17	16	17	III	12	
EDGERTON AVE	933	161+98.00	19.0	LT	773.72	CATCH BASINS 2X2.5-FT	W	2.54		P934	933	935	771.18	770.92	1.00	26	29	IV	12	
EDGERTON AVE	935	161+98.00	11.0	RT	773.92	MANHOLES 4-FT DIAMETER	Q	4.20		P936	935	942	769.72	768.47	1.00	125	129	IV	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		P937	ENDWALL	938	771.00	768.51	10.46	24	25	III	12	
EDGERTON AVE	938	160+68.69	19.0	RT	771.61	CATCH BASINS 2X2.5-FT	W	3.10		P939	938	942	768.51	768.47	1.00	4	7	IV	12	
EDGERTON AVE	940	160+68.69	19.0	LT	771.61	CATCH BASINS 2X2.5-FT	W	2.88		P941	940	942	768.73	768.47	1.00	26	29	IV	12	
EDGERTON AVE	942	160+68.69	11.0	RT	771.81	MANHOLES 4-FT DIAMETER	Q	3.59		P943	942	952	768.22	768.00	0.50	44	51	IV	15	
EDGERTON AVE	---	---	---	---	---	---	---	--		P944A	ENDWALL	944B	770.25	768.98	8.43	15	17	III	12	
EDGERTON AVE	944B	160+04.22	39.4	LT	771.71	MANHOLES 4-FT DIAMETER	Q	2.73		P944C	944B	945	768.98	768.86	1.00	12	16	III	12	
EDGERTON AVE	945	160+10.30	54.3	LT	771.13	MANHOLES 5-FT DIAMETER	S	2.27		P946	945	E950	768.86	768.82	1.00	4	9	IV	12	
EDGERTON AVE	947	160+39.70	55.5	LT	771.01	INLETS 2X2.5-FT	S	2.02		P948	947	E950	768.99	768.82	1.00	17	21	IV	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE949	---	E950	---	---	---	---	---	---	18	
EDGERTON AVE	E950	160+19.16	51.8	LT	771.71	---	---	---		P951	E950	952	767.82	767.54	0.50	55	63	III	24	
EDGERTON AVE	952	160+18.18	11.0	RT	771.88	MANHOLES 9-FT DIAMETER	Q	5.43		P953	952	956	766.45	766.36	0.24	36	45	HE-IV	38x60	
EDGERTON AVE	954	160+41.86	54.0	RT	770.88	INLETS 2X2.5-FT	S	1.93		P955	954	956	768.95	768.72	1.00	23	28	IV	12	
EDGERTON AVE	956	160+13.72	55.4	RT	770.87	MANHOLES 8-FT DIAMETER	S	4.51		PE957	956	---	766.36	---	---	---	---	---	36	
EDGERTON AVE	1000	165+03.85	42.0	LT	776.48	INLETS 2X2.5-FT	S	2.35		P1001	1000	1002	774.13	773.50	0.75	85	88	IV	12	
EDGERTON AVE	1002	164+67.75	38.6	RT	778.18	MANHOLES 5-FT DIAMETER	S	4.68		P1003	1002	1004	773.50	772.79	0.75	95	100	III	12	
EDGERTON AVE	1004	165+65.01	19.0	RT	778.18	CATCH BASIN 4-FT DIAMETER	W	5.39		P1005	1004	1010C	772.79	771.71	0.50	216	220	III	12	
EDGERTON AVE	1006	167+31.89	44.7	LT	774.70	INLETS 2X2.5-FT	S	2.26		P1007	1006	1008	772.44	771.93	1.00	51	54	III	12	
EDGERTON AVE	1008	167+80.97	24.3	LT	776.42	CATCH BASINS 2X2.5-FT	W	4.49		P1009	1008	1012	771.93	771.61	1.00	32	35	III	12	
EDGERTON AVE	1010A	167+83.76	30.6	RT	776.11	INLETS MEDIAN 1 GRATE	MS	3.07		P1010B	1010A	1010C	773.04	773.00	1.00	4	8	III	12	
EDGERTON AVE	1010C	167+84.77	25.0	RT	776.34	CATCH BASIN 4-FT DIAMETER	W	4.63		P1011	1010C	1012	771.71	771.61	0.75	14	18	III	12	
EDGERTON AVE	1012	167+94.80	8.5	RT	776.65	MANHOLES 4-FT DIAMETER	Q	5.54		PE1013	1012	---	771.11	---	---	---	---	---	18	
EDGERTON AVE	2000	109+84.08	358.1	LT	766.00	MANHOLES 5-FT DIAMETER	Q	8.01	LOT 20 CONTROL STRUCTURE	P2001	2000	2002	757.99	756.59	2.00	70	75	III	12	
EDGERTON AVE	2002	110+29.34	418.0	LT	761.65	MANHOLES 5-FT DIAMETER	Q	6.31		P2003	2002	E2005	755.34	755.22	2.00	6	13	III	12	
EDGERTON AVE	---	---	---	---	---	---	---	--		PE2004	---	E2005	---	---	---	---	---	---	53x83	
EDGERTON AVE	E2005	110+42.63	417.2	LT	760.99	---	---	---		PE2006	E2005	---	---	---	---	---	---	---	53x83	

[1]DEPTH = RIM OR FLOW ELEV - LOWEST PIPE INVERT ELEVATION. CATCH BASINS DEPTH SHOWN DOES NOT INCLUDE 2-FT SUMP.

[A] SLOPE CALCULATED BASED ON PIPE LENGTH. PIPE LENGTH REPRESENTS LENGTH OF PIPE MEASURED FROM INSIDE FACE OF STRUCTURE TO INSIDE FACE OF STRUCTURE

[B]PIPE LENGTH SHOWN FOR SLOPE CALCULATION ONLY. NOT INTENDED FOR PAY QUANTITY.

[C]PLAN LENGTH SHOWN FOR PAY QUANTITY.

ALL ITEMS CATEGORY 0010

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STORM SEWER STRUCTURE SUMMARY

611.1004 CATCH BASINS 4-FT DIAMETER EACH	611.1006 CATCH BASINS 6-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3225 INLETS 2x2.5-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	SPV.0060.04 MANHOLES 9-FT SPECIAL EACH	SPV.0060.05 MANHOLES 10-FT SPECIAL EACH	SPV.0060.07 CATCH BASINS 2x2.5-FT EACH	611.0555 MANHOLE COVERS TYPE Q EACH	611.0642 INLET COVERS TYPE MS EACH	611.0651 INLET COVERS TYPE S EACH	611.0657 INLET COVERS TYPE W EACH
11	1	29	17	9	5	70	22	2	1	1	41	61	26	60	69

STORM SEWER PIPE SUMMARY

608.0312 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0321 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 21-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0327 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 27-INCH LF	608.0330 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0342 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 42-INCH LF	608.0412 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0442 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 42-INCH LF	610.0434 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 34X53-INCH LF	SPV.0090.01 STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 38X60-INCH LF	SPV.0090.02 PVC STORM SEWER 6-INCH LF
4143	172	853	369	558	29	151	403	109	2260	413	242	118	435	170	45	78

ALL ITEMS CATEGORY 0010

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CURB CUT SECTIONS

ROADWAY	LOCATION	SPV.0035.01 ENGINEERED SOIL CY	SPV.0035.02 CURB CUT STONE CY	612.0406 PIPE UNDERDRAIN WRAPPED 6-INCH LF
W. EDGERTON AVE.				
	118+00 LT & RT	278	93	550
	133+50 LT	111	37	400
	150+50 LT & RT	500	167	1,000
TOTAL		889	296	1,950

CONTROL STRUCTURES

ROADWAY	STR NO.	SPV.0060.01 CONTROL STRUCTURE 4-FT DIAMETER EACH	SPV.0060.02 LOT 20 OUTLET CONTROL STRUCTURE 5-FT DIAMETER EACH
W. EDGERTON AVE.			
	295	1	
	296	1	
	365	1	
	380	1	
	674	1	
	LOT 20 OUTLET CONTROL STRUCTURE		1
TOTAL		5	1

RECONNECT STORM SEWER LATERALS

ROADWAY	STATION	OFFSET	SPV.0060.03 RECONNECT STORM SEWER LATERALS EACH
W. EDGERTON AVENUE			
	105+26.67	32' LT	1
	105+63.84	32' LT	1
	105+81.11	32' LT	1
	106+35.00	32' LT	1
	106+42.22	32' LT	1
	108+93.79	32' LT	1
	109+60.20	32' LT	1
	122+33.69	33' LT	1
	122+73.87	33' LT	1
UNDISTRIBUTED			10
TOTAL			19

PIPE CONNECTION TO EXISTING STRUCTURE

ROADWAY	STATION	OFFSET	SPV.0060.06 PIPE CONNECTION TO EXISTING STRUCTURE EACH
W. EDGERTON AVENUE			
	94+00.40	31'LT	1
	95+75.84	25'LT	1
	95+79.82	24'LT	1
	97+67.04	33'LT	1
	99+98.30	34'LT	1
	115+15.00	28'RT	1
	115+42.86	52'RT	1
	119+42.84	16'RT	1
	119+45.13	18'RT	1
	123+76.08	35'LT	1
	146+45.19	20'LT	1
	146+52.16	21'LT	1
	154+74.37	38'RT	1
	154+76.37	40'RT	1
	160+16.27	53'LT	1
	160+19.12	49'LT	1
	160+22.11	52'LT	1
TOTAL			17

ALL ITEMS CATEGORY 0010

CONCRETE CURB AND GUTTER

ROADWAY	STATION	-	STATION	CATEGORY 0010 601.0331 CONCRETE CURB & GUTTER 31-INCH LF	CATEGORY 0020 415.6000.S ROUTE & SEAL LF
W. EDGERTON AVENUE					
	96+00	-	107+25	1954	1954
	107+25	-	118+00	2144	2144
	118+00	-	127+25	1858	1858
	127+25	-	133+00	1167	1167
	133+00	-	138+25	1057	1057
	138+25	-	144+00	1167	1167
	144+00	-	155+00	2164	2164
	155+00	-	163+25	1685	1685
	163+25	-	168+01	970	970
S 48TH STREET					
	8+74	-	9+55	162	162
S 43RD STREET					
	125+31	-	125+97	132	132
	126+85	-	127+87	205	205
S HONEY CREEK DRIVE					
	9+00	-	9+56	8	8
S 41ST STREET					
	10+45	-	12+25	361	361
S 40TH STREET					
	10+45	-	11+50	211	211
S 37TH STREET					
	10+45	-	11+10	131	131
S HIDDEN DRIVE					
	8+90	-	9+55	131	131
S 35TH STREET					
	12+04	-	12+54	47	47
S 35TH STREET SERVICE DRIVE					
	9+82	-	12+75	54	54
S TUCKAWAY BLVD - SB					
	7+97	-	9+39	169	169
S TUCKAWAY BLVD - NB					
	7+98	-	9+39	168	168
FE DRIVE					
	5+44		5+55	21	21
TOTALS				**15,966**	**15,966**

CURB RAMP DETECTABLE WARNING FIELD YELLOW

CATEGORY	ROADWAY	STATION	OFFSET	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF
0010	W. EDGERTON AVENUE			
		97+61	RT	10
		97+62	LT	10
		115+41	RT	10
		115+42	LT	10
		116+02	RT	10
		116+03	LT	10
		121+06	LT	10
		121+06	RT	10
		125+79	LT	10
		125+79	RT	10
		133+75	LT	10
		133+75	RT	10
		135+97	LT	10
		135+97	RT	10
		139+17	LT	10
		139+17	RT	10
		141+96	RT	10
		141+98	LT	10
		142+49	RT	10
		142+51	LT	10
		145+41	LT	10
		145+41	RT	10
		146+84	LT	10
		146+84	RT	10
		155+79	LT	10
		155+79	RT	10
		155+79	LT	10
		155+79	RT	10
		156+28	LT	10
		156+28	RT	10
		160+01	LT	10
		160+03	RT	10
		160+51	LT	10
		160+52	RT	10
		165+82	LT	10
		165+82	RT	10
	S. 48TH STREET			
		9+69	LT	10
		9+69	RT	10
	S. 43RD STREET			
		126+09	LT	10
		126+10	RT	10
		126+70	LT	10
		126+71	RT	10
	S. HONEY CREEK DRIVE			
		9+69	LT	10
		9+69	RT	10
	S. 41ST STREET			
		10+30	LT	10
		10+30	RT	10

CURB RAMP DETECTABLE WARNING FIELD YELLOW (CONTINUED)

CATEGORY	ROADWAY	STATION	OFFSET	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF
0010	S. 40TH STREET			
		10+30	LT	10
		10+30	RT	10
	S. MALLARD CIRCLE			
		9+69	LT	10
		9+69	RT	10
	S. 37TH STREET			
		9+69	LT	10
		9+69	RT	10
		10+30	LT	10
		10+30	RT	10
	S. 36TH STREET			
		10+29	LT	10
		10+31	RT	10
	S. HIDDEN DRIVE			
		9+69	LT	10
		9+69	RT	10
	S. 35TH STREET			
		10+30	LT	10
		10+30	RT	10
	S TUCKAWAY BLVD - SB			
		9+68	LT	10
	S TUCKAWAY BLVD - NB			
		9+70	RT	10
	S. 34TH STREET			
		10+30	LT	10
		10+31	RT	10
	S. 31ST STREET			
		9+69	LT	10
		9+69	RT	10
		10+30	LT	10
		10+30	RT	10
	S. 30TH STREET			
		9+69	LT	10
		9+69	RT	10
		10+29	RT	10
		10+31	LT	10
	FE DRIVE			
		5+30	LT	10
		5+30	RT	10
	S TUCKAWAY DRIVE			
		9+69	LT	10
		9+69	RT	10
TOTALS				**740**

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SIDEWALK

CATEGORY	ROADWAY	STATION		STATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0405 CONCRETE SIDEWALK 4-INCH SF
0010	W. EDGERTON AVENUE					
		96+00	-	107+25	8,153	--
		107+25	-	118+00	9,495	--
		118+00	-	127+25	7,860	--
		127+25	-	133+00	5,173	--
		133+00	-	138+25	4,359	--
		138+25	-	144+00	4,946	--
		144+00	-	155+00	10,670	728
		155+00	-	163+25	7,520	211
		163+25	-	168+01	4,276	104
	S. 43RD STREET					
		10+85	-	1,094	--	44
	TOTALS				**62,452**	**1,087**

RIPRAP AND GEOTEXTILE

CATEGORY	ROADWAY	STATION	OFFSET	Q25 FPS	WIDTH FT	LENGTH FT	606.0100 RIPRAP LIGHT CY	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE TYPE HR SY	645.0130 GEOTEXTILE TYPE R SY
0010	W. EDGERTON AVENUE									
		109+99	260' LT	22	18	29	--	29	75	--
		142+50	45' LT	6	14	20	10	--	--	39
		142+57	365.2' LT	4	11	16	7	--	--	26
	TOTALS						**17**	**29**	**75**	**65**

3

PIPE UNDERDRAIN 6-INCH

CATEGORY	ROADWAY	CONNECTING STORM SEWER STRUCTURE NUMBER	310.0110 BASE AGGREGATE OPEN-GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE TYPE DF SCHEDULE A SY
0010	W. EDGERTON AVENUE				
		132	4	50	28
		134	4	50	28
		126	4	50	28
		130	4	50	28
		208	7	100	56
		210	7	100	56
		244	4	50	28
		246	4	50	28
		248	4	50	28
		250	4	50	28
		287	7	100	56
		295	8	110	61
		378	8	102	57
		379	12	160	89
		938	6	87	48
		940	7	88	49
	TOTALS		**94**	**1,247**	**696**

LANDMARK REFERENCE MONUMENT

CATEGORY	DESCRIPTION	621.0100 LANDMARK REFERENCE MONUMENT EACH
0010	NOTCHES IN MANHOLE RIM - WEST 1/4 CORNER OF SECTION 26, TOWNSHIP 6 NORTH, RANGE 21 EAST	1
	CONCRETE MONUMENT - CENTER OF SECTION 25, TOWNSHIP 6 NORTH, RANGE 21 EAST	1
TOTALS		**2**

FENCE SAFETY

CATEGORY	DESCRIPTION	616.0700.S FENCE SAFETY LF
0010	UNDISTRIBUTED	500
TOTALS		**500**

MOBILIZATION

CATEGORY	DESCRIPTION	619.1000 MOBILIZATION EACH
0010	W. EDGERTON AVE	1
TOTALS		**1**

DUST CONTROL SURFACE TREATMENT

CATEGORY	ROADWAY	DUST CONTROL SURFACE TREATMENT 623.0200 SY
0010	PROJECT	96,173
TOTALS		**96,173**

WATER

CATEGORY	ROADWAY	624.0100 MGAL
0010	PROJECT-BASE AGGREGATE	8
	PROJECT- EXCAVATION	157
TOTALS		**165**

RESTORATION ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	625.0100 TOPSOIL SY	625.0500 SALVAGED TOPSOIL SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	631.0300 SOD WATER MGAL	631.1100 SOD EROSION CONTROL SY
0010	W. EDGERTON AVENUE										
		93+27	-	107+75	1404	2,807	2.7	76	57	--	--
		107+75	-	115+75	862	1,724	1.7	47	35	.2	9
		115+75	-	125+50	1235	2,470	2.4	67	51	.2	9
		125+50	-	135+60	1879	3,759	3.6	102	77	.1	4
		135+60	-	142+25	428	857	.9	24	18	.1	4
		142+25	-	150+00	1496	2,993	2.9	81	61	.5	23
		150+00	-	160+25	1549	3,098	3.0	84	63	.4	18
		160+25	-	168+01	833	1,667	1.6	46	34	.2	9
	S. 48th STREET										
		8+75	-	9+66	7	14	.1	1	1	--	--
	S. 43RD STREET										
		125+30	-	126+07	18	36	.1	1	1	--	--
		126+75	-	127+87	13	25	.1	1	1	--	--
	S. 41ST STREET										
		10+34	-	12+25	38	76	.1	3	2	--	--
	S. 40TH STREET										
		10+34	-	11+50	34	67	.1	2	2	--	--
	S. 37TH STREET										
		10+34	-	11+10	7	14	.1	1	1	--	--
		8+83	-	9+66	47	94	.1	3	2	--	--
	S. HIDDEN DRIVE										
		8+90	-	9+65	12	24	.1	1	1	--	--
	S. 35TH STREET										
		10+36	-	12+75	326	653	.7	18	14	--	--
	S 35TH STREET SERVICE ROAD										
		8+83	-	10+45	22	43	.1	2	1	--	--
	S TUCKAWAY BLVD - SB										
		7+97	-	9+50	95	191	.2	6	4	--	--
	S TUCKAWAY BLVD - NB										
		7+98	-	9+57	18	36	.1	1	1	--	--
	S. 34TH STREET										
		10+35	-	11+20	14	27	.1	1	1	--	--
	S. 31ST STREET										
		10+35	-	11+60	13	27	.1	1	1	--	--
	S. 30TH STREET										
		9+33	-	9+65	7	15	.1	1	1	--	--
		10+42	-	10+90	30	61	.1	2	2	--	--
	SUBTOTALS				10,387	20,778	21.1	572	432	1.7	76
	UNDISTRIBUTED				1,039	2,078	2.1	57	43	.2	8
	TOTALS				**11,426**	**22,856**	**23.2**	**629**	**475**	**1.9**	**84**

EROSION CONTROL ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	OFFSET	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2006 EROSION MAT CLASS I URBAN TYPE A SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7570 ROCK BAGS EACH
0010	W. EDGERTON AVENUE												
		93+27	-	107+75	LT/RT	198	198	--	--	4,211	170	--	--
		107+75	-	115+75	LT/RT	--	--	--	--	2,586	40	--	--
		115+75	-	125+50	LT/RT	--	--	--	--	3,705	90	2	--
		125+50	-	135+60	LT/RT	126	126	--	--	5,638	50	2	--
		135+60	-	142+25	LT/RT	72	72	--	--	1,285	--	2	--
		142+25	-	150+00	LT/RT	--	--	--	--	4,489	50	2	--
		150+00	-	160+25	LT/RT	--	--	--	--	4,647	60	8	--
		160+25	-	168+01	LT/RT	374	374	--	--	2,500	20	6	--
	S. 48th STREET												
		8+75	-	9+66	LT/RT	--	--	--	--	--	--	--	--
	S. 43RD STREET												
		125+30	-	126+07	LT/RT	--	--	--	--	--	--	--	--
		126+75	-	127+87	LT/RT	--	--	--	--	--	--	--	--
	S. 41ST STREET												
		10+34	-	12+25	LT/RT	--	--	--	--	--	--	--	--
	S. 40TH STREET												
		10+34	-	11+50	LT/RT	--	--	--	--	--	--	--	--
	S. 37TH STREET												
		10+34	-	11+10	LT/RT	--	--	--	--	--	--	--	--
		8+83	-	9+66	LT/RT	--	--	--	--	--	--	1	--
	S. HIDDEN DRIVE												
		8+90	-	9+65	LT/RT	--	--	--	--	--	--	--	--
	S. 35TH STREET												
		10+36	-	12+75	LT/RT	158	158	--	--	979	30	2	--
	S 35TH STREET SERVICE ROAD												
		8+83	-	10+45	RT	--	--	--	--	65	--	3	--
	S TUCKAWAY BLVD - SB												
		7+97	-	9+50	LT	--	--	--	--	--	--	--	--
	S TUCKAWAY BLVD - NB												
		7+98	-	9+57	RT	--	--	--	--	--	--	--	--
	S. 34TH STREET												
		10+35	-	11+20	LT/RT	--	--	--	--	--	--	--	--
	S. 31ST STREET												
		10+35	-	11+60	LT/RT	--	--	--	--	--	--	--	--
	S. 30TH STREET												
		9+33	-	9+65	LT/RT	--	--	--	--	--	--	--	--
		10+42	-	10+90	LT/RT	--	--	--	--	91	--	--	--
SUBTOTAL						928	928	--	--	30,196	510	28	--
UNDISTRIBUTED						232	232	4	6	7,549	128	7	50
TOTALS						**1,160**	**1,160**	**4**	**6**	**37,745**	**638**	**35**	**50**

INLET PROTECTION

CATEGORY	ROADWAY	STATION	TO	STATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH
0010	W. EDGERTON AVENUE							
		93+27	-	107+75	36	--	5	4
		107+75	-	115+75	27	--	10	--
		115+75	-	125+50	27	--	8	--
		125+50	-	135+60	23	--	9	--
		135+60	-	142+25	11	--	7	--
		142+25	-	150+00	12	--	4	--
		150+00	-	160+25	18	--	7	--
		160+25	-	168+01	11	4	8	--
	S. 48th STREET							
		9+45	-	9+55	4	--	2	--
	S. 43rd STREET							
		125+31	-	126+23	4	--	2	--
	S. HONEY CREEK DRIVE							
		9+34	-	9+62	2	--	3	--
	S. 41ST STREET							
		10+34	-	12+25	2	--	2	--
	S. 40TH STREET							
		10+75	-	11+30	2	--	4	--
	S. MALLARD CIRCLE							
		9+53	-	9+63	2	--	2	--
	S. 37TH STREET							
		9+54	-	9+64	2	--	2	--
		10+56	-	10+65	2	--	2	--
	S. HIDDEN DRIVE							
		9+36	-	9+45	--	--	2	--
	S 35TH STREET SERVICE ROAD							
		9+50	-	9+60	1	--	--	--
	S TUCKAWAY BLVD - SB							
		9+45	-	9+57	2	--	2	--
	S TUCKAWAY BLVD - NB							
		9+50	-	9+60	1	--	1	--
	S. 34TH STREET							
		10+40	-	10+50	2	--	2	--
	S. 31ST STREET							
		10+44	-	10+65	2	--	1	--
	S. 30TH STREET							
		9+33	-	9+65	2	--	--	--
		10+42	-	10+90	4	1	--	--
TOTALS					**199**	**5**	**85**	**4**

PERMANENT SIGNING ITEMS

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0814 POSTS TUBULAR STEEL 2x2-INCH x 14-FT EACH	634.0816 POSTS TUBULAR STEEL 2x2-INCH x 16-FT EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	P300	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P301	R1-1	30 X 30	5.18	--	--	1	M100, M101	STOP
	P302	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P303	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P304	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P305	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P306	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P307	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P308	R1-1	30 X 30	5.18	--	1	--	P309, P310	STOP
	P309	R1-1	30 X 30	5.18	--	--	--	P308, P310	STOP
	P310	R1-3	18 X 6	0.75	--	--	--	P308, P309	ALL WAY
	P311	R1-1	30 X 30	5.18	--	1	--	P312, P313	STOP
	P312	R1-1	30 X 30	5.18	--	--	--	P311, P313	STOP
	P313	R1-3	18 X 6	0.75	--	--	--	P311, P312	ALL WAY
	P314	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P315	R1-1	30 X 30	5.18	--	1	--	P316, P317	STOP
	P316	R1-1	30 X 30	5.18	--	--	--	P315, P317	STOP
	P317	R1-3	18 X 6	0.75	--	--	--	P315, P316	ALL WAY
	P318	R1-1	30 X 30	5.18	--	--	1	P319, P320, M104, M105	STOP
	P319	R1-1	30 X 30	5.18	--	--	--	P318, P320, M104, M105	STOP
	P320	R1-3	18 X 6	0.75	--	--	--	P318, P319, M104, M105	ALL WAY
	P321	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P322	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P323	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P324	R1-1	30 X 30	5.18	--	1	--	M108, M109	STOP
	P325	R1-1	30 X 30	5.18	--	1	--	M110, M111	STOP
	P326	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P327	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P328	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P329	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P330	R1-1	30 X 30	5.18	--	1	--	M114, M115	STOP
	P331	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P332	R1-1	30 X 30	5.18	--	1	--	M118, M119, M120	STOP
	P333	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P334	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P335	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P336	R1-1	30 X 30	5.18	--	1	--	M126, M127	STOP
	P337	R1-1	30 X 30	5.18	--	1	--	M128, M129	STOP
	P338	R1-1	30 X 30	5.18	--	1	--	M130, M131	STOP
	P339	W14-2	24 X 24	--	4.00	1	--	--	NO OUTLET
	P340	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P341	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P342	R1-1	30 X 30	5.18	--	--	--	P343, P356	STOP
	P343	R1-3	18 X 6	0.75	--	--	--	P342, P356	ALL WAY
	P344	R1-1	30 X 30	5.18	--	1	--	P345	STOP
	P345	R1-3	18 X 6	0.75	--	--	--	P344	ALL WAY
	P346	R1-1	30 X 30	5.18	--	1	--	P347, P348	STOP
	P347	R1-1	30 X 30	5.18	--	--	--	P346, P348	STOP
	P348	R1-3	36 X 36	9.00	--	--	--	P346, P347	ALL WAY
	P349	R1-1	30 X 30	5.18	--	1	--	P350, M134, M135	STOP
	P350	R1-3	18 X 6	0.75	--	--	--	P349, M134, M135	ALL WAY
	P351	R2-1	18 X 24	3.00	--	--	--	P352	SPEED LIMIT 25

PERMANENT SIGNING ITEMS (CONTINUED)

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0814 POSTS TUBULAR STEEL 2x2-INCH x 14-FT EACH	634.0816 POSTS TUBULAR STEEL 2x2-INCH x 16-FT EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	P352	W3-1	30 X 30	--	6.25	--	1	P351	STOP AHEAD
	P353	R1-1	30 X 30	5.18	--	1	--	M136, M137	STOP
	P354	R1-1	30 X 30	5.18	--	1	--	M138, M139	STOP
	P355	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P356	R1-1	30 X 30	5.18	--	1	--	P342, P343	STOP
	P357	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P358	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P359	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P360	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P361	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P362	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P363	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P364	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P365	R1-1	30 X 30	5.18	--	1	--	--	STOP
	P366	R1-1	30 X 30	5.18	--	1	--	M142, M143	STOP
	P367	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P368	R1-1	30 X 30	5.18	--	1	--	--	STOP
	P369	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P370	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P371	R1-1	30 X 30	5.18	--	1	--	M144, M145	STOP
	P372	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 25
	P373	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P374	R2-1	18 X 24	3.00	--	1	--	M148	SPEED LIMIT 25
	P375	R3-8A	36 X 30	7.50	--	1	--	--	ONLY
	P376	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P377	R3-17B	30 X 12	2.50	--	--	--	--	ENDS
	P378	R3-17	30 X 24	5.00	--	1	--	--	BIKE LANE
	P379	R3-17B	30 X 12	2.50	--	--	--	--	ENDS
	P380	R2-1	18 X 24	3.00	--	1	--	--	SPEED LIMIT 15
	P381	J3-1	24 X 45	7.50	--	--	1	--	STH 241; DOUBLE ARROW
	P382	J3-1	24 X 45	7.50	--	--	1	--	STH 241; DOUBLE ARROW
TOTALS				**354.79**	**10.25**	**61**	**5**		

MOVING SIGNS ITEMS

CATEGORY	SIGN #	638.2102 MOVING SIGNS TYPE II EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	M100	1	M101, P301	STREET NAME
	M101	1	M100, P301	STREET NAME
	M104	1	M105, P318, P319, P320	STREET NAME
	M105	1	M104, P318, P319, P320	STREET NAME
	M108	1	M109, P324	STREET NAME
	M109	1	M108, P324	STREET NAME
	M110	1	M111, P325	STREET NAME
	M111	1	M110, P325	STREET NAME
	M114	1	M115, P330	STREET NAME
	M115	1	M114, P330	STREET NAME
	M116	1	M117	NEIGHBORHOOD WATCH
	M117	1	M116	SLOW CHILDREN AT PLAY
	M118	1	M119, M120, P332	NO OUTLET
	M119	1	M118, M120, P332	STREET NAME
	M120	1	M118, M119, P332	STREET NAME
	M121	1	M122, M123	PRIVATE ROAD
	M122	1	M121, M123	NO OUTLET
	M123	1	M121, M122	NEIGHBORHOOD WATCH
	M126	1	M127, P336	STREET NAME
	M127	1	M126, P336	STREET NAME
	M128	1	M129, P337	STREET NAME
	M129	1	M128, P337	STREET NAME
	M130	1	M131, P338	STREET NAME
	M131	1	M130, P338	STREET NAME
	M134	1	M135, P349, P350	STREET NAME
	M135	1	M134, P349, P350	STREET NAME
	M136	1	M137, P353	STREET NAME
	M137	1	M136, P353	STREET NAME
	M138	1	M139, P354	STREET NAME
	M139	1	M138, P354	STREET NAME
	M142	1	M143, P366	STREET NAME
	M143	1	M142, P366	STREET NAME
	M144	1	M145, P371	STREET NAME
	M145	1	M144, P371	STREET NAME
	M148	1	--	NEIGHBORHOOD WATCH
	M149	1	--	CITY OF GREENFIELD
	M150	1	--	NEIGHBORHOOD WATCH
	M151	1	--	NO TRESSPASSING
	M152	1	M151	PRIVATE ROAD
TOTALS		**39**		

REMOVING SIGNS ITEMS

CATEGORY	SIGN #	SIGN CODE	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	SIGN MOUNTED ON SAME POST AS	REMARKS
0010	R200	R2-1	1	1	--	SPEED LIMIT 25
	R201	R1-1	1	1	M100, M101	STOP
	R204	R2-1	1	1	--	SPEED LIMIT 25
	R206	R2-1	1	1	--	SPEED LIMIT 25
	R207	R1-1	1	1	R208, R209	STOP
	R208	R1-1	1	--	R207, R209	STOP
	R209	R1-3 (MOD)	1	--	R207, R208	4 WAY
	R210	R1-1	1	1	R211, R212	STOP
	R211	R1-1	1	--	R210, R212	STOP
	R212	R1-3 (MOD)	1	--	R210, R211	4 WAY
	R213	R2-1	1	1	--	SPEED LIMIT 25
	R214	R1-1	1	1	R215, R216	STOP
	R215	R1-1	1	--	R214, R216	STOP
	R216	R1-3 (MOD)	1	--	R214, R215	4 WAY
	R217	R1-1	1	1	R218, R219, M104, M105	STOP
	R218	R1-1	1	--	R217, R219, M104, M105	STOP
	R219	R1-3 (MOD)	1	--	R217, R218, M104, M105	4 WAY
	R222	R2-1	1	1	--	SPEED LIMIT 25
	R223	R1-1	1	1	M108, M109	STOP
	R224	R1-1	1	1	M110, M111	STOP
	R225	R2-1	1	1	--	SPEED LIMIT 25
	R228	R2-1	1	1	M114, M115	STOP
	R229	R1-1	1	1	--	SPEED LIMIT 25
	R230	R1-1	1	1	M118, M119, M120	STOP
	R231	R2-1	1	1	--	SPEED LIMIT 25
	R234	R1-1	1	1	M126, M127	STOP
	R235	R1-1	1	1	M128, M129	STOP
	R236	R1-1	1	1	M130, M131	STOP
	R237	W14-2	1	1	--	NO OUTLET
	R239	R2-1	1	1	--	SPEED LIMIT 25
	R240	R1-1	1	1	R241, R242	STOP
	R241	R1-1	1	--	R240, R242	STOP
	R242	R1-3 (MOD)	1	--	R240, R241	4 WAY
	R243	R1-1	1	1	R244	STOP
	R244	R1-3 (MOD)	1	--	R243	4 WAY
	R245	R1-1	1	1	R247	STOP
	R246	R1-1	1	1	R248	STOP
	R247	R1-3 (MOD)	1	--	R245	4 WAY
	R248	R1-3 (MOD)	1	--	R246	4 WAY
	R249	R1-1	1	1	R250, M134, M135	STOP
	R250	R1-3 (MOD)	1	--	R249, M134, M135	4 WAY
	R251	R2-1	1	1	R252	SPEED LIMIT 25
	R252	W3-1	1	--	R251	STOP AHEAD
	R253	R1-1	1	1	M136, M137	STOP
	R254	R1-1	1	1	M138, M139	STOP
	R257	R2-1	1	1	--	SPEED LIMIT 25
	R258	R2-1	1	1	--	SPEED LIMIT 25
	R261	R1-1	1	1	--	STOP
	R262	R1-1	1	1	M142, M143	STOP
	R263	R2-1	1	1	--	SPEED LIMIT 25
	R264	R1-1	1	1	--	STOP
	R265	R1-1	1	1	M144, M145	STOP
	R266	R2-1	1	1	--	SPEED LIMIT 25
	R269	R2-1	1	1	M148	SPEED LIMIT 25
	R270	R2-1	1	1	--	SPEED LIMIT 15
TOTALS			**55**	**40**		

3

TRAFFIC CONTROL ITEMS

CATEGORY	ROADWAY	PROJECT DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAYS	643.1000 TRAFFIC CONTROL SIGNS FIXED MESSAGE SF	643.3000 TRAFFIC CONTROL DETOUR SIGNS EACH	643.3000 TRAFFIC CONTROL DETOUR SIGNS DAYS
0010	W. LOOMIS ROAD	191	22	4,202	4	764	--	--	6	1,146	--	--	--
	S. 27TH STREET	191	11	2,101	3	573		--	3	573	--	--	--
	W. EDGERTON AVENUE - WEST	191	--	--	4	764	8	1,528	2	382	9	6	1,146
	S. 48TH STREET	191	--	--	2	382	4	764	3	573	--	--	--
	S. 43RD STREET	191	--	--	4	764	8	1,528	6	1,146	--	--	--
	S. HONEY CREEK DRIVE	191	--	--	2	382	4	764	3	573	--	--	--
	S. 41ST STREET	191	--	--	2	382	4	764	3	573	--	--	--
	S. 40TH STREET	191	--	--	2	382	4	764	3	573	--	--	--
	S. MALLARD CIRCLE	191	--	--	2	382	4	764	3	573	--	--	--
	S. 37TH STREET - NORTH	191	--	--	2	382	4	764	3	573	--	--	--
	S. 37TH STREET - SOUTH	191	--	--	2	382	4	764	3	573	--	--	--
	S. 36TH STREET	191	--	--	2	382	4	764	3	573	--	--	--
	S. 35TH STREET	191	--	--	2	382	4	764	3	573	--	--	--
	S. HIDDEN DRIVE	191	--	--	2	382	4	764	3	573	--	--	--
	S. TUCKAWAY BOULEVARD	191	--	--	2	382	4	764	3	573	--	--	--
	S. 34th STREET	191	--	--	2	382	4	764	3	573	--	--	--
	S. 31ST STREET	191	--	--	4	764	8	1,528	6	1,146	--	--	--
	S. 30TH STREET	191	--	--	4	764	8	1,528	6	1,146	--	--	--
	S. TUCKAWAY DRIVE	191	--	--	2	382	4	764	3	573	--	--	--
	W. EDGERTON AVENUE - EAST	191	--	--	2	382	4	764	2	382	9	6	1,146
	DETOUR	191	--	--	--	--		--	--	--	48	28	5,348
TOTALS				**6,303**		**9,741**		**16,808**		**13,370**	**66**		**7,640**

FIELD OFFICE

CATEGORY	PROJECT ID	DESCRIPTION	642.5201 FIELD OFFICE TYPE C EACH
0010	2980-00-70	W. EDGERTON AVE	1
TOTALS			**1**

TRAFFIC CONTROL

CATEGORY	ROADWAY	643.0100 TRAFFIC CONTROL (2980-00-70) EACH	643.2000 TRAFFIC CONTROL DETOUR (2980-00-70) EACH
0010	W. EDGERTON AVENUE	1	1
TOTALS		**1**	**1**

GEOTEXTILE FABRIC TYPE SAS

CATEGORY	PROJECT ID	ROADWAY	645.0140 GEOTEXTILE FABRIC TYPE SAS SY
0010	2980-00-70	UNDISTRIBUTED	204
TOTALS			**204**

PAVEMENT MARKING ITEMS

CATEGORY	ROADWAY	STATION	TO	STATION	646.0106 PAVEMENT MARKING EPOXY 4-INCH WHITE LF	646.0106 PAVEMENT MARKING EPOXY 4-INCH YELLOW LF	646.0126 PAVEMENT MARKING EPOXY 8-INCH WHITE LF	647.0166 PAVEMENT MARKING ARROWS EPOXY TYPE 2 WHITE EACH	647.0176 PAVEMENT MARKING ARROWS EPOXY TYPE 3 WHITE EACH	647.0206 PAVEMENT MARKING ARROWS BIKE LANE EPOXY WHITE EACH	647.0406 PAVEMENT MARKING WORDS BIKE LANE EPOXY WHITE EACH	647.0566 PAVEMENT MARKING STOP LINE EPOXY 18-INCH WHITE LF	647.0766 PAVEMENT MARKING CROSSWALK EPOXY 6-INCH WHITE EACH
0010	W. EDGERTON AVENUE												
		95+97	-	115+45	3,756	825	--	--	--	6	15	18	85
		115+99	-	142+00	4,534	3,582	--	--	--	8	16	36	170
		142+47	-	168+01	4,405	1,324	75	1	1	8	19	42	85
	S. 48TH STREET												
		9+62	-	9+72	--	--	--	--	--	--	--	17	81
	S. 43RD STREET												
		125+30	-	127+87	296	363	--	--	--	--	--	36	168
	S. HONEY CREEK DRIVE												
		9+62	-	9+72	--	--	--	--	--	--	--	19	88
	S. 41ST STREET												
		10+27	-	10+37	--	--	--	--	--	--	--	14	68
	S. 40TH STREET												
		10+27	-	10+37	--	--	--	--	--	--	--	14	68
	S. MALLARD CIRCLE												
		9+62	-	9+72	--	--	--	--	--	--	--	9	46
	S. 37TH STREET												
		9+62	-	9+72	--	--	--	--	--	--	--	16	76
		10+27	-	10+37	--	--	--	--	--	--	--	14	68
	S. 36TH STREET												
		10+27	-	10+37	--	--	--	--	--	--	--	14	68
	S. HIDDEN DRIVE												
		9+62	-	9+72	--	--	--	--	--	--	--	14	68
	S. 35TH STREET												
		10+27	-	12+74	413	475	--	--	--	--	--	14	68
	S. TUCKAWAY BOULEVARD												
		9+62	-	9+72	--	--	--	--	--	--	--	23	124
	S. 34TH STREET												
		10+27	-	10+37	--	--	--	--	--	--	--	14	68
	S. 31ST STREET												
		9+62	-	10+37	--	--	--	--	--	--	--	24	120
	S. 30TH STREET												
		9+62	-	10+37	--	--	--	--	--	--	--	24	120
	FE DRIVE												
					--	--	--	--	--	--	--	12	60
	S. TUCKAWAY DRIVE												
		9+62	-	9+72	--	--	--	--	--	--	--	13	64
	SUBTOTAL				13,404	6,569	75	1	1	22	50	387	1,763
	TOTALS				**19,973**		**75**	**1**	**1**	**22**	**50**	**387**	**1,763**

CONSTRUCTION STAKING

CATEGORY	STATION	-	STATION	ROADWAY	LENGTH LF	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.4500 CONSTRUCTION STAKING SUBGRADE LF	650.5000 CONSTRUCTION STAKING BASE LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	650.9920 CONSTRUCTION STAKING SLOPE STAKES LF
0010	95+77	-	168+01	W. EDGERTON AVENUE	7,224	216	7,224	7,224	14,431	15	7,224
	8+75	-	9+83	S. 48TH STREET	108	--	108	108	162	--	108
	125+31	-	126+58	S. 43RD STREET	127	--	127	127	130	--	127
	126+24	-	127+87	S. 43RD STREET	163	--	163	163	204	--	163
	9+52	-	9+83	S. HONEY CREEK DRIVE	31	--	31	31	7	--	31
	10+17	-	12+25	S. 41ST STREET	208	--	208	208	360	--	208
	10+17	-	11+50	S. 40TH STREET	133	--	133	133	210	--	133
	9+42	-	9+83	S. MALLARD CIRCLE	41	--	41	41	--	--	41
	8+83	-	9+83	S. 37TH STREET	100	--	100	100	130	--	100
	10+17	-	11+10	S. 37TH STREET	93	--	93	93	130	--	93
	10+17	-	10+60	S. 36TH STREET	43	--	43	43	30	--	43
	8+83	-	9+83	S. HIDDEN DRIVE	100	--	100	100	131	--	100
	10+17	-	12+75	S. 35TH STREET	258	--	258	258	--	--	258
	8+48	-	10+45	S. 35TH STREET SERVICE DRIVE	197	--	197	197	55	--	197
	7+97	-	9+83	S. TUCKAWAY BOULEVARD	186	--	186	186	336	--	186
	10+17	-	11+20	S. 34TH STREET	103	--	103	103	131	--	103
	9+33	-	9+83	S. 31ST STREET	50	--	50	50	--	--	50
	10+17	-	11+60	S. 31ST STREET	143	--	143	143	--	--	143
	9+33		9+83	S. 30TH STREET	50	--	50	50	--	--	50
	10+17	-	10+90	S. 30TH STREET	73	--	73	73	--	--	73
	5+17	-	5+55	FE DRIVE	38	--	38	38	22	--	38
	8+85	-	9+83	S. TUCKAWAY DRIVE	98	--	98	98	60	--	98
TOTALS						**216**	**9,567**	**9,567**	**16,529**	**15**	**9,567**

CONSTRUCTION STAKING

CATEGORY	PROJECT ID	DESCRIPTION	650.8500 CONSTRUCTION STAKING ELECTRICAL INSTALLATIONS (2980-00-70) LS	650.9910 CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (2980-00-70) LS	SPV.0105.02 CONSTRUCTION STAKING CURB RAMPS & SIDEWALK LS	SPV.0105.03 CONSTRUCTION STAKING DRAINAGE PONDS LS	NOTE
0010	2980-00-70	EDGERTON AVE	1	-	-	-	
		EDGERTON AVE	-	1	-	-	
		EDGERTON AVE	-	-	1	-	49 CURB RAMPS & 63,539 SF SIDEWALK
		EDGERTON AVE	-	-	-	1	DRAINAGE SWALE (LOT 20) & DRAINAGE DEPRESSIONAL AREA (35TH STREET)
	TOTALS		**1**	**1**	**1**	**1**	

TEST ROLLING

CATEGORY	STATION	-	STATION	ROADWAY	SPV.0170.01 TEST ROLLING STA
0010	96+00	-	168+00	W. EDGERTON AVENUE	72
	9+00	-	10+00	S. 48TH STREET	1
	125+00	-	128+00	S. 43RD STREET	3
	10+00	-	12+00	S. 41ST STREET	2
	10+00	-	12+00	S. 40TH STREET	2
	9+00	-	10+00	S. 37TH STREET	1
	10+00	-	11+00	S. 37TH STREET	1
	10+00	-	11+00	S. 36TH STREET	1
	9+00	-	10+00	S. HIDDEN DRIVE	1
	10+00	-	12+75	S. 35TH STREET	3
	8+00	-	11+00	S. 35TH STREET SERVICE DRIVE	3
	8+00	-	10+00	S TUCKAWAY BLVD - SB	2
	8+00	-	10+00	S TUCKAWAY BLVD - NB	2
	10+00	-	11+00	S. 34TH STREET	1
	10+00	-	12+00	S. 31ST STREET	2
	9+00		10+00	S. 30TH STREET	1
	10+00	-	11+00	S. 30TH STREET	1
	9+00	-	10+00	S. TUCKAWAY DRIVE	1
TOTALS					**100**

LIGHTING AND MISCELLANEOUS

CATEGORY	DESCRIPTION	LOCATION	SPV.0060.23 POLYMER CONCRETE PULLBOXES EACH	654.0105 CONCRETE BASES TYPE 5 EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF	656.0200 ELECTRIC SERVICE METER BREAKER PEDESTAL EACH	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	SPV.0060.22 POLES TYPE 5-ALUMINUM BLACK NOTE 1 EACH	659.2230 LIGHTING CONTROL CABINETS 240/480 30-INCH EACH	SPV.0060.21 LUMINAIRES TYPE A NOTE 1 EACH	REMARKS
0010	16-C6	STA 97+47.22, 25.0'LT	--	1	--	120	--	1	1	--	1	
	16-D5	STA 99+08.83, 25.0'LT	--	1	--	120	--	1	1	--	1	
	16-C5	STA 100+83.73, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-D4	STA 102+57.58, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-C4	STA 104+32.38, 25.0'LT	--	1	--	120	--	1	1	--	1	
	16-D3	STA 106+06.42, 25.0'LT	--	1	--	120	--	1	1	--	1	
	16-C3	STA 107+79.43, 25.0'LT	--	1	--	120	--	1	1	--	1	
	16-D2	STA 109+50.16, 25.0'LT	--	1	--	120	--	1	1	--	1	
	16-C2	STA 111+18.02, 25.0'LT	--	1	--	120	--	1	1	--	1	
	16-D1	STA 113+04.77, 25.0'LT	--	1	--	120	--	1	1	--	1	
	16-C1	STA 114+86.11, 25.0'LT	--	1	--	120	--	1	1	--	1	
	PB-16-3	STA 116+03.46, 35.9'LT	1	--	--	--	--	--	--	--	--	
	16-A1	STA 116+63.64, 27.5'LT	--	1	--	120	--	1	1	--	1	
	16-B1	STA 117+95.74, 27.5'LT	--	1	--	120	--	1	1	--	1	
	16-A2	STA 119+06.75, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-B2	STA 120+75.60, 23.0'LT	--	1	--	120	--	1	1	--	1	
	PB-16-6	STA. 119+54.14, 35.6' RT	1	--	--	--	--	--	--	--	--	
	PB-16-7	STA. 120+21.30, 36.5' RT	1	--	--	--	--	--	--	--	--	
	16-A3	STA 122+49.05, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-B3	STA 124+26.03, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-A4	STA 125+98.96, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-B4	STA 127+74.60, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-A5	STA 129+57.21, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-B5	STA 131+30.49, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-A6	STA 133+33.05, 23.0'LT	--	1	--	120	--	1	1	--	1	
	PB-16-4	STA 133+68.80, 23.8'LT	1	--	--	--	--	--	--	--	--	
	16-B6	STA 134+97.29, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-A7	STA 136+76.17, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-B7	STA 138+31.64, 23.0'LT	--	1	--	120	--	1	1	--	1	
	PB-16-5	STA 138+58.37, 24.3'LT	1	--	--	--	--	--	--	--	--	
	16-A8	STA 140+30.49, 23.0'LT	--	1	--	120	--	1	1	--	1	
	16-B8	STA 141+65.67, 24.5'LT	--	1	--	120	--	1	1	--	1	
	PB-30-5	STA 142+40.93, 54.6'LT	1	--	--	--	--	--	--	--	--	
	30-D4	STA 143+27.20, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-C4	STA 144+87.58, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-D3	STA 146+98.09, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-C3	STA 148+62.53, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-D2	STA 150+35.32, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-C2	STA 152+09.47, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-D1	STA 153+87.81, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-C1	STA 155+55.14, 23.0'LT	--	1	--	120	--	1	1	--	1	
	PB-30-3	STA 155+56.68, 23.3'RT	1	--	--	--	--	--	--	--	--	
	PB-30-4	STA 155+58.94, 22.61'LT	1	--	--	--	--	--	--	--	--	
	LCC #30	STA 155+61.18, 42.2'RT	--	--	1	--	1	--	--	1	--	
	PB-30-1	STA 155+73.50, 37.7'RT	1	--	--	--	--	--	--	--	--	
	PB-30-2	STA 156+24.04, 37.3'RT	1	--	--	--	--	--	--	--	--	
	30-A1	STA 157+31.55, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-B1	STA 159+22.41, 23.0'LT	--	1	--	120	--	1	1	--	1	
	PB-30-6	STA 159+95.50, 23.6'LT	1	--	--	--	--	--	--	--	--	
	30-A2	STA 160+97.11, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-B2	STA 162+59.22, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-A3	STA 163+98.17, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-B3	STA 165+69.84, 23.0'LT	--	1	--	120	--	1	1	--	1	
	30-A4	STA 167+24.00, 23.0'LT	--	1	--	120	--	1	1	--	1	
	TOTALS		**11**	**42**	**1**	**5040**	**1**	**42**	**42**	**1**	**42**	

NOTE 1: POLES, ARMS AND LUMINAIRES SHALL BE BLACK

LIGHTING - WIRE AND CONDUIT

CATEGORY	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
0010	STUB	16-C6	42	--	--	EMPTY, CAP END
	16-C6	16-D5	170	--	708	
	16-D5	16-C5	187	--	776	
	16-C5	16-D4	188	--	780	
	16-D4	16-C4	188	--	780	
	16-C4	16-D3	184	--	764	
	16-D3	16-C3	184	--	764	
	16-C3	16-D2	183	--	760	
	16-D2	16-C2	178	--	740	
	16-C2	16-D1	197	--	816	
	16-D1	16-C1	191	--	792	
	16-C1	PB-16-3	127	--	536	
	PB-16-3	PB-16-1	--	79	688	
	PB-16-1	LCC #16	EXISTING	--	256	
	PB-16-3	16-A1	80	--	348	
	16-A1	16-B1	150	--	628	
	16-B1	16-A2	180	--	748	
	16-A2	16-B2	180	--	748	
	16-B2	16-A3	185	--	768	
	16-A3	16-B3	190	--	788	
	16-B3	16-A4	186	--	772	
	16-A4	16-B4	187	--	776	
	16-B4	16-A5	194	--	804	
	16-A5	16-B5	184	--	764	
	16-B5	16-A6	214	--	884	
	16-A6	PB-16-4	45	--	208	
	16-A6	PB-16-4	45	--	--	EMPTY
	PB-16-4	STUB	10	--	--	EMPTY
	PB-16-4	16-B6	137	--	576	
	16-B6	16-A7	191	--	792	
	16-A7	16-B7	167	--	696	
	16-B7	PB-16-5	37	--	176	
	16-B7	PB-16-5	37	--	--	EMPTY
	PB-16-5	STUB	32	--	--	EMPTY
	PB-16-5	16-A8	181	--	752	
	16-A8	16-B8	147	--	616	
	16-B8	STUB	56	--	--	EMPTY, CAP END
	PB-16-1	PB-16-6	364	--	--	EMPTY
	PB-16-6	STUB	30	--	--	EMPTY, CAP END
	PB-16-6	PB-16-7	72	--	--	EMPTY

LIGHTING - WIRE AND CONDUIT (CONTINUED)

CATEGORY	FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF	655.0625 ELECTRICAL WIRE LIGHTING 6 AWG LF	REMARKS
0010	PB-16-7	STUB	20	--	--	EMPTY, CAP END
	PB-30-5	STUB	13	--	--	EMPTY
	PB-30-5	30-D4	118	--	--	EMPTY
	30-D4	30-C4	173	--	720	
	30-C4	30-D3	225	--	928	
	30-D3	30-C3	177	--	736	
	30-C3	30-D2	186	--	772	
	30-D2	30-C2	187	--	776	
	30-C2	30-D1	192	--	796	
	30-D1	30-C1	181	--	752	
	30-C1	PB-30-4	15	--	88	
	PB-30-4	STUB	50	--	--	EMPTY, CAP END
	PB-30-4	PB-30-3	--	68	600	
	PB-30-4	PB-30-3	--	68	--	EMPTY
	PB-30-3	LCC #30	--	35	336	LCC = LIGHTING CONTROL CABINET
	PB-30-3	LCC #30	--	35	--	EMPTY
	LCC #30	PB-30-1	23	--	--	EMPTY
	PB-30-1	STUB	15	--	--	EMPTY, CAP END
	PB-30-1	PB-30-2	55	--	--	EMPTY
	PB-30-2	STUB	15	--	--	EMPTY, CAP END
	PB-30-4	30-A1	183	--	760	
	30-A1	30-B1	203	--	840	
	30-B1	PB-30-6	85	--	368	
	PB-30-6	STUB	20	--	--	
	PB-30-6	30-A2	114	--	484	
	30-A2	30-B2	175	--	728	
	30-B2	30-A3	152	--	636	
	30-A3	30-B3	183	--	760	
	30-B3	30-A4	167	--	696	
	30-A4	STUB	15	--	--	EMPTY, CAP END
		TOTALS	**8442**	**285**	**32780**	

3

LOOP DETECTORS

CATEGORY	INTERSECTION	LOOP NO.	NO. OF TURNS	652.0800 CONDUIT LOOP DETECTOR LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF	SIZE FT' X FT'	SDD INSTALLATION REFERENCE
0010	W. EDGERTON AVENUE & S. 27TH STREET							
		41	4	70	179	280	6' X 15'	9F15-4A (OPTION 1)
		42	3	73	45	219	6' X 20'	9F15-4A (OPTION 1)
		43	3	76	45	228	6' X 20'	9F15-4A (OPTION 1)
		44	3	92	45	276	6' X 20'	9F15-4B (OPTION 2)
		45	3	93	45	279	6' X 20'	9F15-4B (OPTION 2)
	TOTALS			**404**	**359**	**1,282**		

NOTE: FINAL LOCATION TO BE DETERMINED BY ENGINEER IN THE FIELD

PULL BOXES

CATEGORY	INTERSECTION	PULL BOX	LOCATION	653.0105 STEEL 12X24-INCH EACH
0010	W. EDGERTON AVENUE & S. 27TH STREET			
		PB2	167+77.55 30.7' RT	1
		PB3	166+43.54 25.1' RT	1
	TOTALS			**2**

NOTE: FINAL LOCATION TO BE DETERMINED BY ENGINEER IN THE FIELD

WISCONSIN
JUSTIN M. ARNDT
E-37695
ONTARIO
WI
PROFESSIONAL ENGINEER

10/20/2016

CONDUIT RIGID NONMETALLIC SCHEDULE 40

CATEGORY	INTERSECTION	FROM	-	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF
0010	W. EDGERTON AVENUE & S. 27TH STREET				
		PB1	-	PB2	25
		PB2	-	PB3	140
	TOTALS				**165**

REMOVING PULL BOXES

CATEGORY	INTERSECTION	PULL BOX NUMBER	653.0905 REMOVING PULL BOXES EACH
0010	W. EDGERTON AVENUE & S. 27TH STREET		
		EXISTING PB2	1
		EXISTING PB3	1
	TOTALS		**2**

REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE

CATEGORY	LOCATION	SPV.0105.01 REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE LS
0010	W. EDGERTON AVENUE & S. 27TH STREET	1
	TOTALS	**1**

SAWCUTS

CATEGORY	ROADWAY	STATION	OFFSET		STATION	OFFSET		690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	W. EDGERTON AVENUE								
		93+63.6	33'	LT	93+96.18	33'	LT	33	--
		94+73.73	34'	LT -	95+10.42	34'	LT	37	--
		95+97.59	12'	LT -	9597.59	12'	RT	24	--
		96+01.4	35'	LT -	96+18.23	36'	LT	--	16
		97+04.74	31'	RT -	97+20.73	32'	RT	--	32
		97+20.2	38'	LT -	9735.57	38'	LT	15	--
		98+27.22	38'	LT -	9843.72	38'	LT	--	17
		98+57.43	43'	RT -	9869.43	43'	RT	12	--
		99+34.11	50'	RT -	99+43.11	50'	RT	--	9
		99+76.49	62'	LT -	9986.5	62'	LT	10	--
		100+33.21	49'	RT -	10050.21	49'	RT	17	--
		100+38.27	65'	LT	100+49.27	65'	LT	11	--
		101+69.23	65'	LT -	101+85.23	65'	LT	16	--
		101+72.68	43'	RT -	10192.68	43'	RT	20	--
		102+19.28	61'	LT -	102+38.28	61'	LT	--	19
		103+24.03	63'	RT -	10340.38	62'	RT	16	--
		103+58.23	57'	LT -	10370.23	57'	LT	12	--
		104+31.52	56'	RT -	10441.52	56'	RT	10	--
		104+51.94	45'	LT -	10478.83	45'	LT	27	--
		105+25.5	62'	LT -	105+43.5	62'	LT	18	--
		105+42.96	45'	RT -	10551.96	45'	RT	9	--
		106+03.09	44'	RT -	10613.09	44'	RT	10	--
		106+59.4	55'	LT -	106+77.16	55'	LT	--	25
		106+87.81	43'	RT -	10697.88	43'	RT	10	--
		107+54.1	48'	LT -	10784.89	48'	LT	--	31
		108+15.4	63'	LT -	10830.9	63'	LT	16	--
		108+76.	43'	RT -	10886	43'	RT	10	--
		109+53.17	48'	RT -	10963.16	48'	RT	10	--
		111+20.61	44'	RT -	111+36.11	44'	RT	--	16
		111+37.35	46'	LT -	111+55.3	47'	LT	--	18
		112+69.86	40'	RT -	112+85.86	40'	RT	--	16
		112+87.92	49'	LT -	11296.9	49'	LT	9	--
		113+12.11	46'	RT -	11328.61	46'	RT	17	--
		113+73.99	40'	RT -	11382.99	40'	RT	9	--
		113+90.49	49'	LT -	11408.49	49'	LT	18	--
		114+28.17	52'	LT -	11454.44	52'	LT	26	--
		116+94.79	47'	LT -	11704.79	47'	LT	10	--
		117+93.48	52'	RT -	11829.55	60'	RT	--	36
		118+81.24	50'	LT -	11899.24	49'	LT	18	--
		119+09.64	36'	RT -	11933.64	36'	RT	24	--
		121+84.07	45'	LT -	12200.07	45'	LT	16	--
		122+96.77	40'	RT -	123+16.77	40'	RT	--	20
		123+37.98	51'	LT -	123+53.21	51'	LT	--	15
		123+50.85	54'	RT -	12359.85	54'	RT	9	--
		125+47.08	46'	RT -	125+58.83	46'	RT	--	11
		125+94.85	45'	RT -	126+05.68	39'	RT	--	12
		126+29.3	39'	RT -	126+40.87	42'	RT	--	12
		126+66.06	55'	LT -	12699.35	55'	LT	33	--
		127+96.96	45'	LT -	12820.96	45'	LT	24	--
		130+22.84	58'	RT -	13038.85	58'	RT	16	--
		130+47.48	55'	LT -	13100.67	55'	LT	53	--
		132+02.05	62'	RT -	13214.01	63'	RT	12	--
		132+44.56	51'	LT -	13254.52	52'	LT	10	--
		133+32.31	43'	RT -	13342.31	43'	RT	10	--

SAWCUTS (CONTINUED)

CATEGORY	ROADWAY	STATION	OFFSET		STATION	OFFSET		690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	W. EDGERTON AVENUE								
		134+14.77	63'	RT -	134+33.77	64'	RT	--	19
		135+55.63	44'	LT -	13571.63	44'	LT	16	--
		136+42.03	48'	LT -	13657.03	48'	LT	15	--
		136+88.19	43'	RT -	13700.19	43'	RT	12	--
		137+17.57	43'	LT -	137+35.57	43'	LT	--	18
		137+86.19	71'	RT -	138+03.19	71'	RT	--	17
		137+94.85	43'	LT -	13804.88	43'	LT	10	--
		138+36.24	74'	RT -	13846.25	74'	RT	10	--
		139+41.86	59'	RT -	13951.44	54'	RT	11	--
		139+90.98	53'	LT -	14007.98	53'	LT	17	--
		140+23.21	58'	RT -	14032.53	64'	RT	11	--
		140+67.07	55'	RT -	14086.63	45'	RT	37	--
		141+26.96	44'	LT -	14156.96	44'	LT	30	--
		148+32.33	46'	LT -	148+36.33	46'	LT	--	4
		149+45.42	46'	LT -	149+49.42	46'	LT	--	4
		150+94.56	46'	LT -	150+98.56	46'	LT	--	4
		151+67.4	44'	LT -	151+71.4	44'	LT	--	4
		152+49.05	56'	LT -	152+53.03	55'	LT	--	4
		153+32.23	60'	LT -	153+36.03	59'	LT	--	4
		154+29.76	58'	LT -	154+33.37	59'	LT	--	4
		157+56.82	50'	LT -	157+60.82	50'	LT	--	4
		158+92.3	50'	RT -	159+08.3	50'	RT	--	16
		161+41.32	43'	RT -	161+58.34	43'	RT	--	17
		162+49.26	56'	RT -	162+64.15	54'	RT	--	15
		162+66.22	52'	LT -	162+70.22	53'	LT	--	4
		163+77.72	50'	LT -	163+81.71	51'	LT	--	4
		164+34.2	48'	RT -	164+49.2	48'	RT	15	--
		164+95.42	42'	RT -	165+25.42	42'	RT	49	--
		168+01 25' RT						--	1
		168+04 28' LT						--	1
	S. 48TH STREET								
		8+75.	16'	LT -	8+75.	16'	RT	--	38
	S. 43RD STREET								
		125+30.77	17'	LT -	12530.77	17'	RT	34	6
		127+87.23	17'	LT -	12787.23	17'	RT	34	6
	S. HONEY CREEK DRIVE								
		9+51.67	18'	RT -	951.67	18'	LT	36	--
	S. 41ST STREET								
		10+55.68	27'	LT -	1072.69	27'	LT	--	17
		12+25.	13'	LT -	1225	13'	RT	26	6
	S. 40TH STREET								
		11+50.	15'	LT -	11+50.	15'	RT	--	30
	S. MALLARD CIRCLE								
		9+42.	7'	LT -	942.21	7'	RT	15	--
	S. 37TH STREET								
		8+83.	15'	LT -	883	15'	RT	30	--
		11+10.	16'	LT -	1110	16'	RT	26	6

SAWCUTS (CONTINUED)

CATEGORY	ROADWAY	STATION	OFFSET		STATION	OFFSET		690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
0010	S. 36TH STREET								
		10+60.	13'	RT -	1060	13'	LT	26	--
	S. HIDDEN DRIVE								
		8+90.	16'	RT -	890	16'	LT	26	6
	S. 35TH STREET								
		11+80.81	20'	LT -	1188.81	20'	LT	8	--
		12+74.8	13'	LT -	1274.8	13'	RT	26	--
	S. 35TH STREET SERVICE DR								
		8+62.97	23'	RT -	8790.04	23'	RT	--	16
		9+07.85	28'	RT -	923.85	28'	RT	16	--
		9+93.	33'	RT -	1007	34'	RT	14	--
		10+44.72	9'	LT -	1044.6	9'	RT	19	--
	S. TUCKAWAY BOULEVARD - SB								
		7+96.74	0'	RT -	796.74	20'	LT	20	3
	S. TUCKAWAY BOULEVARD - NB								
		7+98.	0'	RT -	798	20'	RT	20	3
	S. 34TH STREET								
		10+74.53	20'	LT -	1101.53	20'	LT	27	--
		11+20.	13'	RT -	1120	13'	LT	26	--
	S. 31ST STREET								
		9+33.	13'	LT -	933	13'	RT	26	--
		10+56.	46'	LT -	1076	33'	LT	--	30
		11+60.	11'	RT -	1160	11'	LT	26	--
	S. 30TH STREET								
		9+33.	11'	LT -	933	11'	RT	22	--
		10+90.	11'	RT -	1090	11'	LT	22	--
	FE DRIVE								
		5+54.73	11'	LT -	554.73	11'	RT	22	6
	S. TUCKAWAY DRIVE								
		9+02.15	22'	RT -	926.88	22'	RT	24	--
		8+85.	12'	RT -	885	12'	LT	25	--
TOTALS								**1,486**	**622**

WATER ADJUSTMENTS

CATEGORY	LOCATION	SPV.0060.53 ADJUST WATER SERVICE BOXES EACH	SPV.0060.54 ADJUST WATER VALVE BOXES EACH	SPV.0060.55 WATER SERVICE POTHOLE EACH	SPV.0060.56 WATER SERVICE INSULATION EACH	SPV.0060.57 WATER SERVICE ALTERATION REPLACEMENT 1-INCH THROUGH 2-INCH EACH	SPV.0060.58 WATER SERVICE ALTERATION LOWERING1-INCH THROUGH 2-INCH EACH	SPV.0060.59 ADJUSTING WATER MANHOLES EACH	SPV.0090.51 COPPER WATER SERVICE 1.0-INCH SPECIAL EACH
0020	UNDISTRIBUTED	106	66	106	10	10	10	6	400
	TOTALS	106	66	106	10	10	10	6	400

SANITARY MANHOLE ITEMS

CATEGORY	ROADWAY	STATION	OFFSET		611.0420 RECONSTRUCTING MANHOLES EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	SPV.0060.52 SANITARY MANHOLE SEAL - EXTERNAL SPECIAL EACH
0020	W. EDGERTON AVENUE						
		97+90	0.83	LT	--	1	1
		100+96	0.83	LT	--	1	1
		103+92	1.09	LT	--	1	1
		106+87	1.10	LT	--	1	1
		109+81	0.41	LT	--	1	1
		112+78	0.20	RT	--	1	1
		115+72	0.41	RT	--	1	1
		117+83	0.82	LT	--	1	1
		119+92	0.57	LT	--	1	1
		122+72	0.54	LT	1	--	1
		125+52	0.93	RT	--	1	1
		127+96	0.45	LT	--	1	1
		129+66	0.98	RT	--	1	1
		129+94	0.83	LT	--	1	1
		130+84	0.97	RT	--	1	1
		133+84	0.77	RT	--	1	1
		136+68	0.57	RT	--	1	1
		138+98	0.72	RT	--	1	1
		142+24	0.01	RT	--	1	1
		142+38	0.78	LT	--	1	1
		142+73	1.75	RT	--	1	1
		156+04	0.82	LT	--	1	1
		158+66	0.84	LT	--	1	1
		161+26	0.33	LT	--	1	1
		164+28	0.72	LT	--	1	1
		166+06	0.69	LT	--	1	1
	S 34TH STREET						
		11+06	0.72	RT	--	1	1
	S 35TH STREET SERVICE						
		10+96	11.54	RT	--	1	1
	TOTALS				**1**	**27**	**28**

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE BASED ON THE WISCONSIN PLANE COORDINATE SYSTEM GRID, SOUTH ZONE (NAD-27) IN U.S. SURVEY FEET. ALL PLAT DISTANCES ARE GROUND LENGTH AND MAY BE CONVERTED TO GRID LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR OF 0.99992514.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1"X24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: CSM 1062, CSM 3034, CSM 2090, CSM 4298, CSM 4248, CSM 2130, CSM 1349, EDGERTON ESTATES SUBDIVISION PLAT, AND DEEDS OR RECORD.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNERS RIGHT 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 TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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

TRANSPORTATION PROJECT PLAT NO: 2980-00-20 - 4.01

W. EDGERTON AVENUE (LOCAL ROAD)
W. LOOMIS ROAD - S. 27TH STREET

PART OF PARCEL 3, OF CSM NO. 4249, IN AND INCLUDING LANDS LOCATED IN THE SW ¼ OF THE NE ¼ AND THE NW ¼ OF THE SE ¼, OF SECTION 26, TOWNSHIP 6 NORTH, RANGE 21 EAST, SITUATED IN THE CITY OF GREENFIELD, MILWAUKEE COUNTY, WISCONSIN.

RELOCATION ORDER W. EDGERTON AVENUE, MILWAUKEE COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 62.22, WISCONSIN STATUTES, THE THE CITY OF GREENFIELD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF GREENFIELD FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE THE CITY OF GREENFIELD, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

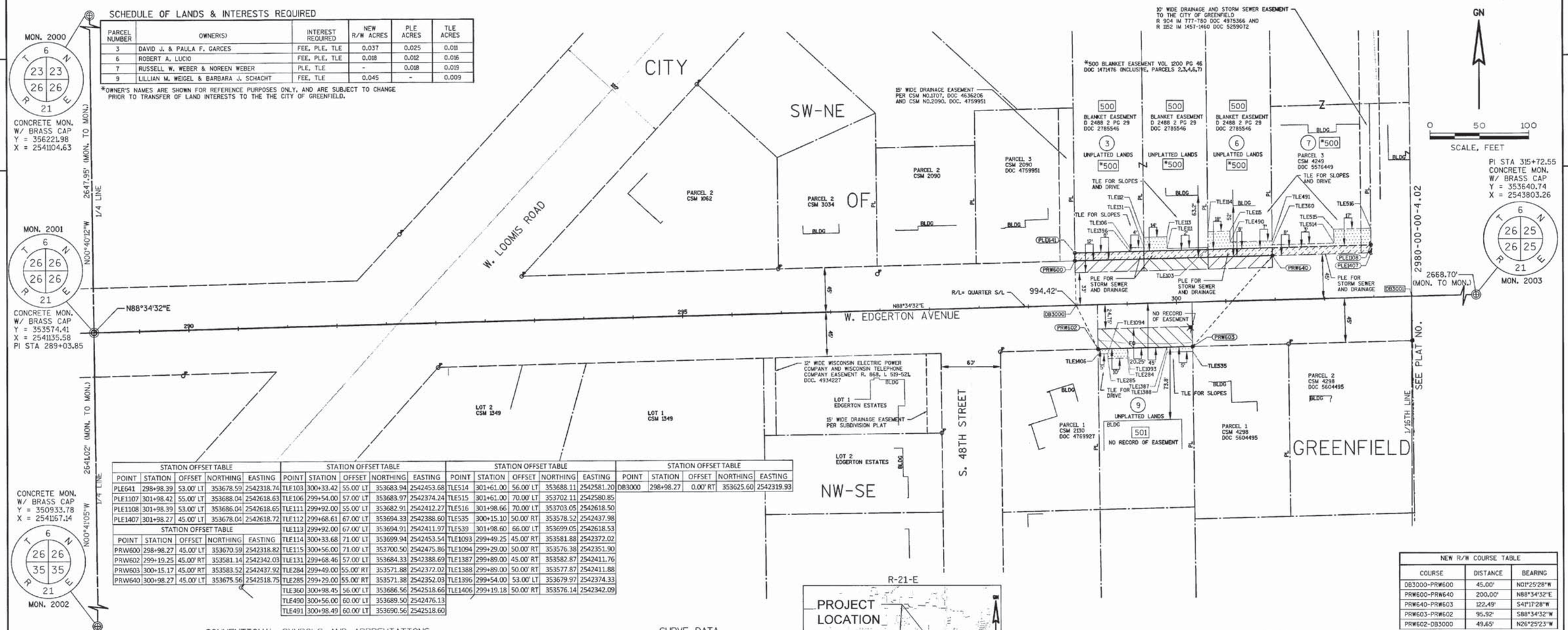
DOC.# 10553743
Reel # 3862
RECORDED 04/08/2016 08:33AM
JOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: 25.00
FEE EXEMPT #:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER _____
AMENDMENT NO:___

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	PLE ACRES	TLE ACRES
3	DAVID J. & PAULA F. GARCES	FEE, PLE, TLE	0.037	0.025	0.011
6	ROBERT A. LUCIO	FEE, PLE, TLE	0.018	0.012	0.016
7	RUSSELL W. WEBER & NOREEN WEBER	PLE, TLE	-	0.018	0.019
9	LILLIAN M. WEIGEL & BARBARA J. SCHACHT	FEE, TLE	0.045	-	0.009

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



STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE641	298+98.39	53.00' LT	353678.59	2542318.74
PLE1107	301+98.42	55.00' LT	353688.04	2542618.63
PLE1108	301+98.39	53.00' LT	353686.04	2542618.65
PLE1407	301+98.27	45.00' LT	353678.04	2542618.72

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PRW600	298+98.27	45.00' LT	353670.59	2542318.82
PRW602	299+19.25	45.00' RT	353581.14	2542342.03
PRW603	300+15.17	45.00' RT	353583.52	2542437.92
PRW640	300+98.27	45.00' LT	353675.56	2542518.75

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE103	300+33.42	55.00' LT	353683.94	2542453.68
TLE106	299+54.00	57.00' LT	353683.97	2542374.24
TLE111	299+92.00	55.00' LT	353682.91	2542412.27
TLE112	299+68.61	67.00' LT	353694.33	2542388.60
TLE113	299+92.00	67.00' LT	353694.91	2542411.97
TLE114	300+33.68	71.00' LT	353699.94	2542453.54
TLE115	300+56.00	71.00' LT	353700.50	2542475.86
TLE131	299+68.46	57.00' LT	353684.33	2542388.69
TLE284	299+49.00	55.00' RT	353571.88	2542372.02
TLE285	299+29.00	55.00' RT	353571.38	2542352.03
TLE360	300+98.45	56.00' LT	353686.56	2542518.66
TLE490	300+56.00	60.00' LT	353689.50	2542476.13
TLE491	300+98.49	60.00' LT	353690.56	2542518.60

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE514	301+61.00	56.00' LT	353688.11	2542581.20
TLE515	301+61.00	70.00' LT	353702.11	2542580.85
TLE516	301+98.66	70.00' LT	353703.05	2542618.50
TLE535	300+15.10	50.00' RT	353578.52	2542437.98
TLE539	301+98.60	66.00' LT	353699.05	2542618.53
TLE1093	299+49.25	45.00' RT	353581.88	2542372.02
TLE1094	299+29.00	50.00' RT	353576.38	2542351.90
TLE1387	299+89.00	45.00' RT	353582.87	2542411.76
TLE1388	299+89.00	50.00' RT	353577.87	2542411.88
TLE1396	299+54.00	53.00' LT	353679.97	2542374.33
TLE1406	299+19.18	50.00' RT	353576.14	2542342.09

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
DB3000	298+98.27	0.00' RT	353625.60	2542319.93

NEW R/W COURSE TABLE		
COURSE	DISTANCE	BEARING
DB3000-PRW600	45.00'	N01°25'28"W
PRW600-PRW640	200.00'	N88°34'32"E
PRW640-PRW603	122.49'	S41°17'28"W
PRW603-PRW602	95.92'	S88°34'32"W
PRW602-DB3000	49.65'	N26°25'23"W

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
PROPOSED REFERENCE LINE
PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
EASEMENT LINE
CORPORATE LIMITS
EXISTING CENTERLINE
LOT & TIE LINES
UTILITIES FO (TYPE) (TELEPHONE,GAS,ELECTRIC,CABLE TV,FIBER OPTIC)

ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)
ACCESS RESTRICTED (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
PARCEL NUMBER
UTILITY PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING
FOUND IRON PIPE/PIN

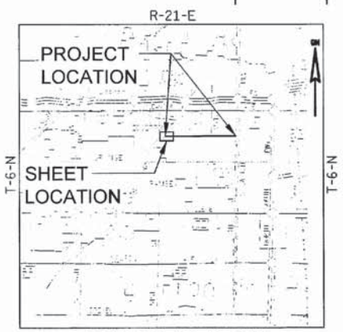
R/W MONUMENT ▫ (SET)
R/W STANDARD ▵ (SET)
SIGN ISIGN
SECTION CORNER SYMBOL N.T.S.
ACCESS POINT/ DRIVEWAY CONNECTION AP
ACCESS RIGHTS AR
ACRES AC.
AND OTHERS ET.AL.
CENTERLINE C/L
CERTIFIED SURVEY MAP CSM
DOCUMENT DOC.
HIGHWAY EASEMENT H.E.

LAND CONTRACT	LC
MONUMENT	MON.
PAGE	P.
PERMANENT LIMITED EASEMENT	PLE
PROPERTY LINE	PL
RECORDED AS	(100')
REFERENCE LINE	R/L
REMAINING	REM.
RIGHT-OF-WAY	R/W
SECTION	SEC.
SECTION LINE	S/L
SQUARE FEET	SQ.FT.
STATION	STA.
TEMPORARY LIMITED EASEMENT	TLE
VOLUME	V.

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE	⏚	⏚
TELEPHONE POLE	⌀	⌀
TELEPHONE PEDESTAL	⌶	⌶



LOCATION MAP NOT TO SCALE

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
500	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
501	AT&T	RELEASE OF RIGHTS

CITY OF GREENFIELD

I, ERIK A. GUSTAFSON, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF GREENFIELD, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 3/23/16
PRINT NAME: ERIK A. GUSTAFSON
REGISTRATION NUMBER: S-2329

WISCONSIN ERIK A. GUSTAFSON S-2329 HOWARDS GROVE, WISCONSIN LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF GREENFIELD

SIGNATURE: _____ DATE: 4-7-16
PRINT NAME: JEFF KATZ

TRANSPORTATION PROJECT PLAT NO: 2980-00-20 - 4.02

W. EDGERTON AVENUE (LOCAL ROAD)
W. LOOMIS ROAD - S. 27TH STREET

PART OF PARCEL 4, OF CSM NO. 4249, A PART OF LOTS 1 AND 2, OF CSM NO. 2223, A PART OF LOTS 3 AND 4, OF CSM NO. 2360, A PART OF PARCEL 2, OF CSM NO. 1747, AND A PART OF PARCEL 1, OF CSM NO. 2286, ALL IN AND INCLUDING LANDS LOCATED IN THE SW ¼ OF THE NE ¼, THE SE ¼ OF THE NE ¼ AND THE NE ¼ OF THE SE ¼, OF SECTION 26, TOWNSHIP 6 NORTH, RANGE 21 EAST, SITUATED IN THE CITY OF GREENFIELD, MILWAUKEE COUNTY, WISCONSIN

RELOCATION ORDER W. EDGERTON AVENUE, MILWAUKEE COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 62.22, WISCONSIN STATUTES, THE THE CITY OF GREENFIELD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF GREENFIELD FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE THE CITY OF GREENFIELD, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

DOC.# 10553744
Reel # 5803
RECORDED 04/06/2016 08:33AM
JOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: 25.00
FEE EXEMPT #:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER ----------
AMENDMENT NO:---

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	PLE ACRES	TLE ACRES
13	SALVADOR MURILLO & CIRENIA MURILLO	PLE, TLE	-	0.023	0.020
14	SUSAN R. WILHELM	FEE, PLE, TLE	0.028	0.003	0.031
16	SHARON E. ANDERSON	PLE, TLE	-	0.005	0.030
17	JANIS H. MILLER & MARK G. MILLER	TLE	-	-	0.036
18	GLENN R. MICHAUD SR. & SANDRA A. MICHAUD	PLE, TLE	-	0.008	0.022
19	MICHAEL H. REINKE	PLE, TLE	-	0.006	0.025
20	GUIDANCE, INC.	FEE	0.990	-	-
21	JAMES J. SHAW	FEE, TLE	0.041	-	0.019
22	GUIDANCE, INC.	FEE, PLE, TLE	0.028	0.002	0.022
24	GUIDANCE, INC. D/B/A MASJID AL-HUDA	PLE, TLE	-	0.002	0.026
25	TIMOTHY E. ABBEY	FEE, PLE, TLE	0.055	0.003	0.019
26	DAVID M. BROWN & LORI L. BROWN	PLE, TLE	-	0.001	0.016
28	MICHAEL W. & MICHELLE K. RAETZ	FEE, TLE	0.028	-	0.008

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

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE BASED ON THE WISCONSIN PLANE COORDINATE SYSTEM GRID, SOUTH ZONE (NAD-27) IN U.S. SURVEY FEET. ALL PLAT DISTANCES ARE GROUND LENGTH AND MAY BE CONVERTED TO GRID LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR OF 0.9992514.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1"X24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: CSM 4249, CSM 2223, CSM 2360, CSM 1747, CSM 1286, CSM 1689, CSM 3032, CSM 1368, CSM 1968, CSM 2286 AND DEEDS OR RECORD.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNERS RIGHT 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 TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

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

STATION OFFSET TABLE					STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING	POINT	STATION	OFFSET	NORTHING	EASTING
PRW185	303+55.06	45.00' RT	353591.97	2542777.71	DB3001	302+38.13	0.00' RT	353634.05	2542659.70
PRW605	303+98.27	45.00' LT	353683.01	2542818.66	ERW4000	310+19.19	419.94' LT	354073.28	2543430.07
PRW606	302+37.54	45.00' RT	353589.05	2542660.22	ERW4001	310+13.26	45.00' LT	353698.30	2543433.46
PRW608	305+53.96	45.00' RT	353596.91	2542976.55	ERW4002	312+96.96	45.00' RT	353615.38	2543719.31
PRW609	306+13.96	45.00' RT	353598.40	2543036.53					
PRW610	310+73.27	45.00' LT	353699.79	2543493.45					
PRW611	313+23.27	45.00' LT	353706.01	2543743.38					
PRW657	302+98.27	45.00' LT	353680.53	2542718.69					
PRW1348	308+98.26	45.00' LT	353695.44	2543318.50					
PRW1349	309+04.19	419.94' LT	354070.42	2543315.11					

STATION OFFSET TABLE					STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING	POINT	STATION	OFFSET	NORTHING	EASTING
PLE933	312+70.00	45.00' LT	353704.68	2543690.13	PLE1114	305+72.00	45.00' LT	353687.33	2542992.34
PLE934	312+54.00	45.00' LT	353704.29	2543674.13	PLE1115	307+30.00	45.00' LT	353691.26	2543150.29
PLE937	312+54.00	50.00' LT	353709.28	2543674.01	PLE1116	307+30.00	50.00' LT	353696.26	2543150.17
PLE938	312+70.00	50.00' LT	353709.68	2543690.00	PLE1117	308+53.00	50.00' LT	353699.32	2543273.13
PLE1107	301+98.42	55.00' LT	353688.04	2542618.63	PLE1118	308+53.00	45.00' LT	353694.32	2543273.26
PLE1109	303+11.00	55.00' LT	353690.84	2542731.17	PLE1158	314+89.00	50.00' LT	353715.13	2543908.93
PLE1110	303+11.00	45.00' LT	353680.85	2542731.42	PLE1159	314+89.00	45.00' LT	353710.13	2543909.06
PLE1111	305+38.00	52.00' LT	353693.49	2542958.18	PLE1160	315+09.00	50.00' LT	353715.62	2543928.93
PLE1112	305+38.00	45.00' LT	353686.49	2542958.35	PLE1161	315+09.00	45.00' LT	353710.62	2543929.05
PLE1113	305+72.00	52.00' LT	353694.33	2542992.17	PLE1297	303+64.00	45.00' RT	353592.19	2542786.64

STATION OFFSET TABLE					STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING	POINT	STATION	OFFSET	NORTHING	EASTING
TLE109	303+98.34	50.00' LT	353688.01	2542818.62	TLE148	312+43.00	52.00' LT	353711.01	2543662.96
TLE120	304+98.46	57.00' LT	353697.50	2542918.52	TLE154	315+18.46	58.00' LT	353723.86	2543938.19
TLE123	305+17.00	57.00' LT	353697.96	2542937.06	TLE301	304+44.85	61.00' RT	353578.21	2542867.87
TLE125	306+53.00	54.00' LT	353698.34	2543073.09	TLE538	302+44.00	66.00' LT	353700.17	2542663.92
TLE126	306+53.00	72.00' LT	353716.34	2543072.65	TLE548	302+44.00	62.00' LT	353696.18	2542664.02
TLE127	306+88.00	72.00' LT	353717.21	2543107.64	TLE550	303+79.00	50.00' LT	353687.53	2542799.28
TLE128	306+88.00	58.00' LT	353703.21	2543107.98	TLE564	305+72.00	54.00' LT	353696.33	2542992.12
TLE130	306+98.27	45.00' LT	353690.47	2543118.57	TLE565	305+95.00	50.00' LT	353585.48	2542717.79
TLE141	311+02.00	52.00' LT	353707.51	2543522.00	TLE566	305+50.00	61.00' LT	353702.78	2542969.95
TLE144	311+02.00	45.00' LT	353700.51	2543522.18	TLE567	305+50.00	67.00' LT	353708.78	2542969.80
TLE147	312+43.00	56.00' LT	353715.01	2543662.86	TLE568	305+17.00	67.00' LT	353707.96	2542936.81

STATION OFFSET TABLE					STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING	POINT	STATION	OFFSET	NORTHING	EASTING
TLE584	308+08.00	58.00' LT	353706.20	2543227.95	TLE685	303+45.00	68.00' RT	353568.73	2542768.22
TLE585	308+08.00	68.00' LT	353716.19	2543227.70	TLE686	303+45.00	55.00' RT	353581.72	2542767.90
TLE586	308+38.00	68.00' LT	353716.94	2543257.69	TLE687	303+64.00	51.00' RT	353586.19	2542786.79
TLE589	303+79.00	62.00' LT	353699.53	2542798.98	TLE1120	314+23.47	58.00' LT	353721.49	2543843.23
TLE590	308+98.4	54.00' LT	353704.44	2543318.42	TLE1121	303+64.00	55.00' RT	353582.19	2542786.89
TLE656	303+07.00	50.00' RT	353585.78	2542729.79	TLE1122	304+27.00	51.00' RT	353587.76	2542849.77
TLE661	304+27.00	61.00' RT	353577.76	2542850.02	TLE1408	304+98.27	45.00' LT	353685.50	2542918.63
TLE681	302+73.00	45.00' RT	353589.93	2542695.67	TLE1409	313+23.44	56.00' LT	353717.01	2543743.28
TLE682	302+73.00	54.00' RT	353584.93	2542695.80	TLE1410	314+23.27	45.00' LT	353708.49	2543843.34
TLE684	303+19.00	68.00' RT	353568.08	2542742.23	TLE1411	306+21.96	45.00' RT	353598.60	2543044.52
					TLE1412	306+21.90	50.00' RT	353593.60	2543044.58
					TLE1413	305+53.89	50.00' RT	353591.91	2542976.60
					TLE1414	304+45.06	45.00' RT	353594.21	2542867.68

NEW R/W COURSE TABLE		
COURSE	DISTANCE	BEARING
DB3001-PRW657	75.11'	N51°45'58"E
PRW657-PRW605	100.00'	N88°34'32"E
PRW605-PRW1348	500.00'	N88°34'32"E
PRW1348-PRW1349	374.99'	N00°31'05"W
PRW1349-PRW4000	115.00'	N88°34'32"E
PRW4000-PRW4001	374.99'	S00°31'05"E
PRW4001-PRW610	60.01'	N88°34'32"E
PRW610-PRW611	250.00'	N88°34'32"E
PRW611-ERW4002	93.77'	S14°52'15"W
ERW4002-PRW609	683.00'	S88°34'32"W
PRW609-PRW608	60.00'	S88°34'32"W
PRW608-PRW185	198.90'	S88°34'32"W
PRW185-PRW606	117.52'	S88°34'32"W
PRW606-DB3001	45.00'	N00°40'30"W

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
PROPOSED REFERENCE LINE
PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
EASEMENT LINE
CORPORATE LIMITS
EXISTING CENTERLINE
LOT & TIE LINES
UTILITIES (TELEPHONE,GAS,ELECTRIC,CABLE TV,FIBER OPTIC)

ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)
ACCESS RESTRICTED (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
PARCEL NUMBER (102)
UTILITY PARCEL NUMBER 92
SIGN NUMBER (OFF PREMISE) 21-1
BUILDING
FOUND IRON PIPE/PIN (IP UNLESS NOTED)

R/W MONUMENT
R/W STANDARD SIGN
SECTION CORNER SYMBOL
ACCESS POINT/ DRIVEWAY CONNECTION
ACCESS RIGHTS
ACRES
AND OTHERS
CENTERLINE
CERTIFIED SURVEY MAP
DOCUMENT
HIGHWAY EASEMENT

∘ =(SET)	LAND CONTRACT	LC	
▲ =(SET)	MONUMENT	MON.	
ISIGN	PAGE	P.	
N.T.S.	PERMANENT LIMITED EASEMENT	PLE	
AP	PROPERTY LINE	PL	
	RECORDED AS	(100')	
	REFERENCE LINE	R/L	
AR	REMAINING	REM.	
AC.	RIGHT-OF-WAY	R/W	
ET.AL.	SECTION	SEC.	
C/L	SECTION LINE	S/L	
CSM	SQUARE FEET	SQ.FT.	
DOC.	STATION	STA.	
H.E.	TEMPORARY LIMITED EASEMENT	TLE	
	VOLUME	V.	

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE	⌀	●
TELEPHONE POLE	⌀	○
TELEPHONE PEDESTAL	⌧	✕

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
500	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
501	AT&T	RELEASE OF RIGHTS

R-21-E
T-6-N
PROJECT LOCATION
SHEET LOCATION
LOCATION MAP NOT TO SCALE

CITY OF GREENFIELD

I, ERIK A. GUSTAFSON, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF GREENFIELD, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Erik A. Gustafson DATE: 3/23/16
PRINT NAME: ERIK A. GUSTAFSON
REGISTRATION NUMBER: S-2329
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF GREENFIELD
SIGNATURE: Jeff Katz DATE: 4-7-16
PRINT NAME: JEFF KATZ

WISCONSIN ERIK A. GUSTAFSON S-2329 HOWARDS GROVE, WISCONSIN LAND SURVEYOR

SEE PLAT NO. 2980-00-4.01
SEE PLAT NO. 2980-00-4.03
S. 44TH ST. (AS PLATTED)
S. 43RD ST.
W. EDGERTON AVENUE
SW-NE
SE-NE
NE-SE
CITY OF GREENFIELD
N88°34'32"E 1334.28'
S00°31'05"E SECTION LINE 2644.73' (MON. TO MON.)
S00°40'10"E SECTION LINE 2640.36' (MON. TO MON.)
2668.70' (MON. TO MON.)
MON. 2001 CONCRETE MON. W/ BRASS CAP Y = 353574.41 X = 2541135.58 PI STA 289+03.85
CONCRETE MON. W/ BRASS CAP Y = 356285.17 X = 2543779.35 MON. 2004
NOTCHES IN MANHOLE RIM W/ BRASS CAP Y = 353640.74 X = 2543803.26 PI STA 315+72.55 MON. 2003
CONCRETE MON. W/ BRASS CAP Y = 351000.16 X = 2543834.12 MON. 2005
GN
0 50 100 SCALE, FEET

NOT TO SCALE

TRANSPORTATION PROJECT PLAT NO: 2980-00-20 - 4.03 AMENDMENT NO:1 AMENDS PARCEL NO: 36,44,46,47,49 & 51 OF TRANSPORTATION PLAT 2980-00-23-4.03 RECORDED AS DOCUMENT NO:10553745

Reel # 9035
DOC. # 10632170
RECORDED:
12/14/2016 2:05 PM
JOHN LA FAVE
REGISTER OF DEEDS
MILWAUKEE COUNTY, WI
AMOUNT: 25.00

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER ----------
AMENDMENT NO:---

W. EDGERTON AVENUE (LOCAL ROAD)
W. LOOMIS ROAD - S. 27TH STREET

PART OF PARCEL 2, CSM NO. 4709, A PART OF PARCELS A AND B, OF CSM NO. 863, A PART OF PARCEL 4, OF CSM NO. 2591, AND A PART OF PARCEL 2, OF CSM NO. 3250, ALL IN AND INCLUDING LANDS LOCATED IN THE SW ¼ OF THE NW ¼, THE NW ¼ OF THE SW ¼, AND THE NE ¼ OF THE SW ¼ OF SECTION 25, TOWNSHIP 6 NORTH, RANGE 21 EAST, SITUATED IN THE CITY OF GREENFIELD, MILWAUKEE COUNTY, WISCONSIN.

RELOCATION ORDER W. EDGERTON AVENUE, MILWAUKEE COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 62.22, WISCONSIN STATUTES, THE THE CITY OF GREENFIELD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF GREENFIELD FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE THE CITY OF GREENFIELD, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE BASED ON THE WISCONSIN PLANE COORDINATE SYSTEM GRID, SOUTH ZONE (NAD-27) IN U.S. SURVEY FEET. ALL PLAT DISTANCES ARE GROUND LENGTH AND MAY BE CONVERTED TO GRID LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR OF 0.9999251M.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1"X24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: CSM 4709, CSM 863, CSM 2591, CSM 3250, AND DEEDS OF RECORD.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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

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

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE647	326+45.00	50.00' LT	353742.69	2545064.66
PLE648	326+45.00	45.00' LT	353737.70	2545064.78
PLE649	325+97.00	50.00' LT	353741.55	2545016.67
PLE650	323+90.00	45.00' RT	353641.66	2544811.99
PLE651	329+11.00	55.00' LT	353754.02	2545330.47
PLE652	329+11.00	60.00' LT	353759.01	2545330.35
PLE655	328+36.00	55.00' LT	353752.23	2545255.49
PLE679	318+94.00	45.00' RT	353629.87	2544316.13
PLE757	316+26.93	52.00' RT	353616.52	2544049.31
PLE763	318+94.00	52.00' RT	353622.87	2544316.30
PLE798	323+59.00	52.00' RT	353633.93	2544781.17
PLE799	323+59.00	45.00' RT	353640.92	2544781.00
PLE800	323+90.00	52.00' RT	353634.66	2544812.16
PLE803	328+36.00	45.00' LT	353742.24	2545255.73
PLE805	325+97.00	45.00' LT	353736.56	2545016.79

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE1162	316+25.00	45.00' LT	353713.45	2544045.07
PLE1163	316+25.00	55.00' LT	353723.45	2544044.83
PLE1164	318+81.00	55.00' LT	353729.53	2544300.76
PLE1165	318+81.00	45.00' LT	353719.54	2544300.99
PLE1167	319+65.00	45.00' LT	353721.53	2544384.97
PLE1168	319+65.00	52.00' LT	353728.53	2544384.80
PLE1169	320+28.00	52.00' LT	353730.03	2544447.79
PLE1170	320+28.00	45.00' LT	353723.03	2544447.95
PLE1171	320+86.00	45.00' LT	353724.41	2544505.94
PLE1172	320+86.00	57.00' LT	353736.41	2544505.65
PLE1173	321+02.55	57.00' LT	353736.80	2544522.19
PLE1179	323+63.00	45.00' LT	353730.59	2544782.86
PLE1180	323+63.00	52.00' LT	353737.99	2544782.69
PLE1181	323+84.00	52.00' LT	353738.49	2544803.69
PLE1182	323+84.00	45.00' LT	353731.49	2544803.85

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PRW226	318+38.22	45.00' LT	353718.52	2544258.22
PRW527	323+71.58	45.00' LT	353731.20	2544791.44
PRW612	316+06.22	45.00' LT	353713.00	2544026.29
PRW614	322+71.58	45.00' LT	353728.82	2544691.47
PRW616	324+09.51	45.00' RT	353642.12	2544831.49
PRW617	325+67.36	45.00' RT	353645.88	2544989.30
PRW620	327+95.99	45.00' RT	353651.31	2545217.86
PRW737	325+82.96	45.00' LT	353736.22	2545002.75
PRW756	327+72.50	45.00' LT	353740.73	2545192.24
PRW899	329+98.91	45.00' RT	353656.13	2545420.73

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
DB3002	316+05.56	0.00' RT	353668.00	2544026.70
DB3003	327+71.85	0.00' RT	353695.72	2545192.66
DB3004	329+99.45	0.00' RT	353701.13	2545420.20
ERW4003	321+02.37	45.00' LT	353724.80	2544522.30
ERW4004	321+62.37	45.00' LT	353726.22	2544582.29
ERW4005	325+22.95	45.00' LT	353734.79	2544942.76
ERW4006	320+32.56	45.00' RT	353633.16	2544454.65
ERW4007	319+52.56	45.00' RT	353631.26	2544374.68
ERW4008	316+27.02	45.00' RT	353623.52	2544049.22

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE132	323+20.00	53.00' LT	353737.97	2544739.68
TLE133	323+20.00	58.00' LT	353742.97	2544739.56
TLE134	322+71.69	53.00' LT	353736.82	2544691.39
TLE161	318+74.00	64.00' LT	353738.36	2544293.55
TLE162	318+74.00	55.00' LT	353729.37	2544293.76
TLE163	318+38.5	64.00' LT	353737.52	2544258.05
TLE183	329+11.00	68.00' LT	353767.01	2545330.16
TLE283	318+81.00	49.00' LT	353723.54	2544300.90
TLE309	328+36.00	50.00' LT	353747.23	2545255.61
TLE310	328+36.00	60.00' LT	353757.23	2545255.37
TLE335	325+67.29	51.00' RT	353639.88	2544989.37
TLE336	325+42.00	51.00' RT	353639.28	2544964.09
TLE346	328+05.00	52.00' RT	353644.53	2545227.04
TLE347	328+31.00	51.00' RT	353646.14	2545253.01
TLE348	328+31.00	63.00' RT	353634.15	2545253.29

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE349	328+05.00	63.00' RT	353633.53	2545227.30
TLE354	325+42.00	48.00' RT	353642.27	2544964.02
TLE356	329+98.84	51.00' RT	353650.13	2545420.80
TLE467	319+46.84	98.00' RT	353578.14	2544370.21
TLE468	319+52.83	97.86' RT	353578.42	2544376.20
TLE469	319+47.00	104.00' RT	353572.15	2544370.51
TLE470	319+52.99	103.82' RT	353572.47	2544376.51
TLE557	319+47.00	45.00' RT	353631.13	2544369.12
TLE558	320+86.00	59.00' LT	353738.41	2544505.60
TLE698	318+38.42	59.00' LT	353732.52	2544258.10
TLE699	316+70.00	55.00' LT	353724.52	2544089.82

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE700	316+70.00	59.00' LT	353728.52	2544089.72
TLE713	319+51.61	59.00' LT	353735.21	2544371.25
TLE719	320+86.00	82.00' LT	353761.40	2544505.06
TLE720	321+02.91	82.00' LT	353761.80	2544521.97
TLE733	324+55.00	58.00' LT	353746.18	2544874.52
TLE734	324+55.00	45.00' LT	353733.18	2544874.83
TLE746	325+97.00	60.00' LT	353751.55	2545016.44
TLE748	319+47.00	50.00' RT	353626.13	2544369.23
TLE752	324+09.47	48.00' RT	353639.12	2544831.53
TLE754	327+10.00	60.00' LT	353754.24	2545129.40
TLE755	327+10.00	45.00' LT	353739.24	2545129.76
TLE764	316+26.75	67.00' RT	353601.52	2544049.48
TLE768	318+35.00	67.00' RT	353606.47	2544257.67
TLE769	318+35.00	62.00' RT	353611.47	2544257.55

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE772	318+72.56	62.00' RT	353612.37	2544295.10
TLE773	318+72.56	57.00' RT	353617.36	2544294.99
TLE774	319+06.00	58.00' RT	353617.16	2544328.44
TLE775	319+06.00	45.00' RT	353630.16	2544328.13
TLE790	323+28.09	59.00' RT	353626.19	2544750.43
TLE795	324+09.34	59.00' RT	353628.12	2544831.66
TLE845	319+53.47	49.00' LT	353725.26	2544373.35
TLE971	319+52.56	50.00' RT	353626.26	2544374.80
TLE1415	323+28.26	45.00' RT	353640.19	2544750.27
TLE1416	327+95.90	52.00' RT	353644.31	2545217.95

*500 BLANKET EASEMENT VOL. 1200 PG 602 DOC. 2190923 (INCLUSIVE PARCELS 44,46,47,49,51)

NEW R/W COURSE TABLE		
COURSE	DISTANCE	BEARING
DB3002-PRW612	45.01'	N00°31'05"W
PRW612-PRW226	232.00'	N88°38'17"E
PRW226-ERW4003	264.15'	N88°38'17"E
ERW4003-ERW4004	60.01'	N88°38'17"E
ERW4004-PRW614	109.21'	N88°38'17"E
PRW614-PRW527	100.00'	N88°38'17"E
PRW527-ERW4005	151.37'	N88°38'17"E
ERW4005-PRW737	60.01'	N88°38'17"E
PRW737-PRW756	189.55'	N88°38'17"E
PRW756-DB3003	45.00'	S00°31'53"E
DB3003-DB3004	227.60'	N88°38'17"E
DB3004-PRW899	45.00'	S00°40'10"E
PRW899-PRW620	202.92'	S88°38'17"W
PRW620-PRW617	228.63'	S88°38'17"W
PRW617-PRW616	157.85'	S88°38'17"W
PRW616-ERW4006	376.95'	S88°38'17"W
ERW4006-ERW4007	80.00'	S88°38'17"W
ERW4007-ERW4008	325.55'	S88°38'17"W
ERW4008-DB3002	49.86'	N26°51'31"W

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	PLE ACRES	TLE ACRES
36	JOHN J. & DEBORA M. LEMBACH	FEE, PLE, TLE	0.108	0.049	0.015
37	RICHARD J. PAULICK	PLE, TLE	-	0.010	0.014
38	CHOHAN SAKHIN AHMAD	PLE, TLE	-	0.015	0.042
40	CHARLES S. & QIONG Y. MELCHING	FEE, PLE, TLE	0.046	0.001	0.023
41	STEVEN BULSKI & TARI A. BULSKI	PLE, TLE	-	0.002	0.023
42	BARTOLO & MARIA VISCUSO	FEE, PLE, TLE	0.026	0.006	0.022
43	LYLE J. & MERRY SUE CLARK	FEE, TLE	0.026	-	0.011
44	MICHAEL B. & SHANNON M. ROSANDICH	PLE, TLE	-	0.020	0.043
46	DARRYL J. & ROSE HENK	PLE, TLE	-	0.019	0.037
47	STEVEN M. BARAN & BEVERLY J. BARAN	PLE, TLE	-	0.003	0.008
49	JANET M. GRAHEK	PLE, TLE	-	0.005	0.021
51	JOHN R. JR. & DENISE STEVENS	FEE, TLE	0.073	-	0.013
53	MICHAEL & SUSAN DELONGE	FEE, TLE	0.094	-	0.035

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

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
500	WE ENERGIES - ELECTRICAL	RELEASE OF RIGHTS
501	AT&T	RELEASE OF RIGHTS
502	WE ENERGIES - GAS	RELEASE OF RIGHTS

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE		ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)		R/W MONUMENT	● •(SET)	LAND CONTRACT	LC
SECTION LINE		ACCESS RESTRICTED (BY ADJUSTION)	|||||||	R/W STANDARD	▲ ▲(SET)	MONUMENT	MON.
QUARTER LINE		NO ACCESS (BY STATUTORY AUTHORITY)	●●●●●●●	SIGN	ISIGN	PAGE	P.
SIXTEENTH LINE		FEE (HATCH VARIES)		SECTION CORNER SYMBOL		PERMANENT LIMITED EASEMENT	PLE
PROPOSED REFERENCE LINE		TEMPORARY LIMITED EASEMENT			N.T.S.	PROPERTY LINE	PL
PROPOSED R/W LINE		PERMANENT LIMITED EASEMENT		ACCESS POINT/ DRIVEWAY CONNECTION	AP	RECORDED AS	(000')
EXISTING H.E. LINE		PARCEL NUMBER	102	ACCESS RIGHTS	AR	REFERENCE LINE	R/L
PROPERTY LINE		UTILITY PARCEL NUMBER	92	ACRES	AC.	REMAINING	REM.
EASEMENT LINE		SIGN NUMBER (OFF PREMISE)	21	AND OTHERS	ET.AL.	RIGHT-OF-WAY	R/W
CORPORATE LIMITS		BUILDING		CENTERLINE	C/L	SECTION	SEC.
EXISTING CENTERLINE		FOUND IRON PIPE/PIN	○IP (IF UNLESS NOTED)	CERTIFIED SURVEY MAP	CSM	SECTION LINE	S/L
LOT & TIE LINES				DOCUMENT	DOC.	SQUARE FEET	SQ.FT.
UTILITIES (TELEPHONE,GAS,ELECTRIC,CABLE TV&FIBER OPTIC)	FO (TYP)			HIGHWAY EASEMENT	H.E.	STATION	STA.
						TEMPORARY LIMITED EASEMENT	TLE
						VOLUME	V.

CURVE DATA

LONG CHORD	LCH		
LONG CHORD BEARING	LCB		
RADIUS	R		
DEGREE OF CURVE	D		
CENTRAL ANGLE OR DELTA	DELTA		
LENGTH OF CURVE	L		
TANGENT	TAN		
	NON COMPENSABLE	COMPENSABLE	
POWER POLE	⏚	●	
TELEPHONE POLE	⌀	○	
TELEPHONE PEDESTAL	⌧	⌧	

LOCATION MAP NOT TO SCALE

CITY OF GREENFIELD

I, ERIK A. GUSTAFSON, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF GREENFIELD, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: _____ DATE: 12/12/16
PRINT NAME: ERIK A. GUSTAFSON
REGISTRATION NUMBER: S-2329

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF GREENFIELD

SIGNATURE: _____ DATE: 12-13-16
PRINT NAME: JEFF KATZ

WISCONSIN ERIK A. GUSTAFSON S-2329 HOWARDS GROVE, WISCONSIN LAND SURVEYOR

CONCRETE MON. W/ BRASS CAP Y = 356285.17 X = 2543779.35

NOTCHES IN MANHOLE RIM W/ BRASS CAP Y = 353640.74 X = 2543803.26 PI STA 315+72.55

CONCRETE MON. W/ BRASS CAP Y = 351000.16 X = 2543834.12

MON. 2004 — MON. 2003 — MON. 2005 — MON. 2006

SOUTH 2980-00-4.02 S00°31'05"E SECTION LINE 2644.73' (MON. TO MON.)

SOUTH 2980-00-4.01 S00°40'10"E SECTION LINE 2640.96' (MON. TO MON.)

2980-00-00-4.04 2651.50' (MON. TO MON.) PI STA 342+24.05 MANHOLE COVER Y = 353703.76 X = 2546453.81

SEE PLAT NO. 2980-00-00-4.04

SEE PLAT NO. 2980-00-00-4.03

S. 41ST STREET — S. 40TH STREET — S. 43RD ST. — S. HONEY CREEK DRIVE — W. EDGERTON AVENUE — W. LOOMIS ROAD — MALLARD CIRCLE (PRIVATE ROAD) — GREENFIELD — SW-NW — NW-SW — NE-SW — OF CITY

PROJECT LOCATION — SHEET LOCATION

NOT TO SCALE 0 50 100 SCALE, FEET

PLOT DATE : 12/12/2016 12:03 PM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : ########## ---------- ----------

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\130016 - EDGERTON AVENUE\SURVEY\PLAT\130016_RP.DWG
APPRAISAL PLAT DATE : ----------

#25.00

NOT TO SCALE

TRANSPORTATION PROJECT PLAT NO: 2980-00-20 - 4.04

W. EDGERTON AVENUE (LOCAL ROAD)
W. LOOMIS ROAD - S. 27TH STREET

PART OF LOT 1, OF GREENFIELD GLEN SUBDIVISIONN, A PART OF PARCEL 2, OF CSM NO. 2053, AND A PART OF PARCEL 1, OF CSM NO. 5129, ALL IN AND INCLUDING LANDS LOCATED IN THE SW ¼ OF THE NW ¼, THE SE ¼ OF THE NW ¼ AND THE NE ¼ OF THE SW ¼, OF SECTION 25, TOWNSHIP 6 NORTH, RANGE 21 EAST, SITUATED IN THE CITY OF GREENFIELD, MILWAUKEE COUNTY, WISCONSIN.

RELOCATION ORDER W. EDGERTON AVENUE, MILWAUKEE COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 62.22, WISCONSIN STATUTES, THE CITY OF GREENFIELD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF GREENFIELD FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE THE CITY OF GREENFIELD, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

DOC.# 10553746
Rec'd # 3862
RECORDED 04/08/2016 08:33AM
JOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: 25.00
FEE EXEMPT #:

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER ----------
AMENDMENT NO:---

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE BASED ON THE WISCONSIN PLANE COORDINATE SYSTEM GRID, SOUTH ZONE (NAD-2227) IN U.S. SURVEY FEET. ALL PLAT DISTANCES ARE GROUND LENGTH AND MAY BE CONVERTED TO GRID LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR OF 0.99992514.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1"X24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: CSM 7073, CSM 3222, CSM 2053, CSM 5129, GREENFIELD SUBDIVISION PLAT, HOAG'S COUNTRY CLUB ESTATES, NO. 2 SUBDIVISION PLAT, AND DEEDS OF RECORD.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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

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

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	PLE ACRES	TLE ACRES
54	ADORATION EVANGELICAL LUTHERAN CHURCH OF GREENFIELD	FEE, PLE, TLE	0.174	0.060	0.085
56	HARVEY E. DAHLKE & GERTRUDE L. DAHLKE	PLE, TLE	-	0.020	0.020
57	HALINA GARCIA	PLE, TLE	-	0.006	0.018
59	COLE & GRACE R. WENGERMARSH	FEE, PLE, TLE	0.037	0.001	0.017
61	ROXANE E. ADAMS	PLE, TLE	0.038	-	0.008
63	TRAVIS BISCHOFF & KATHERINE BISCHOFF	PLE, TLE	-	0.002	0.022
64	JOHN & CATHERINE MARTINEZ	FEE, TLE	0.070	-	0.015
65	NICHOLAS J. SAYOTOVICH	FEE, TLE	0.051	-	0.017
67	RICHARD & NANCY OSHIRO	FEE, TLE	0.056	-	0.014
68	PATRICIA L. DROZEWSKI	FEE, TLE	0.072	-	0.016
71	DANIEL SANDOVAL & ZOEMY M. SAUVE	FEE, TLE	0.035	-	0.026
72	PATRICK H. & CHERYL A. LUETH	FEE, TLE	0.046	-	0.023
73	ROBERT L. THOM & BARBARA J. THOM	TLE	-	-	0.026
74	JAMES R. & LAURA L. WIERZBA	FEE, TLE	0.061	-	0.013

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

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE176	340+41.73	47.00' LT	353772.90	2546461.07
TLE179	333+48.00	45.00' RT	353664.43	2545769.72
TLE180	333+48.00	48.00' RT	353661.43	2545769.79
TLE181	333+26.00	45.00' RT	353663.91	2545747.73
TLE182	333+26.00	48.00' RT	353660.91	2545747.80
TLE183	329+11.00	68.00' LT	353767.01	2545330.16
TLE190	337+45.03	48.00' LT	353766.84	2546164.43
TLE192	339+40.00	58.00' LT	353781.47	2546359.10
TLE193	340+15.00	58.00' LT	353783.26	2546434.08
TLE194	340+15.00	47.00' LT	353772.26	2546434.34
TLE195	339+40.00	45.00' LT	353768.48	2546359.41
TLE196	340+68.00	52.00' LT	353778.52	2546487.21
TLE197	341+63.00	52.00' LT	353780.78	2546582.18
TLE198	341+63.00	45.00' LT	353773.78	2546582.35
TLE199	340+68.00	45.00' LT	353771.52	2546487.38

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE309	328+36.00	50.00' LT	353747.23	2545255.61
TLE310	328+36.00	60.00' LT	353757.23	2545255.37
TLE342	327+72.58	50.00' LT	353745.73	2545192.20
TLE356	329+98.84	51.00' RT	353650.13	2545420.80
TLE359	330+18.00	51.00' RT	353650.59	2545439.96
TLE361	330+71.00	45.00' RT	353657.85	2545492.80
TLE362	330+71.00	51.00' RT	353651.85	2545492.94
TLE364	330+45.00	63.00' RT	353639.23	2545467.23
TLE365	330+18.00	63.00' RT	353638.59	2545440.24
TLE366	331+96.02	45.00' RT	353660.82	2545617.78
TLE367	332+21.02	45.00' RT	353661.41	2545642.77
TLE368	332+21.02	69.00' RT	353637.42	2545643.34
TLE369	331+96.02	69.00' RT	353636.83	2545618.35
TLE370	332+39.00	45.00' RT	353661.84	2545660.75

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE371	332+81.00	45.00' RT	353662.84	2545702.74
TLE372	332+81.00	60.00' RT	353647.84	2545703.10
TLE373	332+39.00	60.00' RT	353646.85	2545661.11
TLE378	337+80.00	45.00' RT	353674.70	2546201.60
TLE380	338+15.85	76.00' RT	353644.56	2546238.18
TLE381	337+80.00	76.00' RT	353643.71	2546202.33
TLE382	338+28.00	45.00' RT	353675.84	2546249.58
TLE383	338+57.00	45.00' RT	353676.53	2546278.58
TLE384	338+57.00	79.00' RT	353642.54	2546279.38
TLE385	338+28.00	79.00' RT	353641.85	2546250.39
TLE386	339+30.00	45.00' RT	353678.27	2546351.56

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE387	339+56.00	45.00' RT	353678.88	2546377.55
TLE388	339+56.00	64.00' RT	353659.89	2546378.00
TLE389	339+30.00	64.00' RT	353659.27	2546352.01
TLE390	340+19.00	45.00' RT	353680.38	2546440.53
TLE391	340+46.00	45.00' RT	353681.02	2546467.52
TLE392	340+46.00	69.00' RT	353657.03	2546468.09
TLE393	340+19.00	69.00' RT	353656.39	2546441.10
TLE395	340+97.02	45.00' RT	353682.24	2546518.52
TLE396	340+97.02	60.00' RT	353667.24	2546518.88
TLE397	340+58.07	60.00' RT	353666.31	2546479.95
TLE811	331+07.00	68.00' LT	353771.67	2545526.10
TLE812	331+07.00	53.00' LT	353756.68	2545526.46
TLE813	331+47.82	53.00' LT	353757.65	2545567.27
TLE814	331+47.91	59.00' LT	353763.65	2545567.21

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE831	332+72.91	59.00' LT	353766.62	2545692.18
TLE833	332+72.95	62.00' LT	353769.62	2545692.15
TLE834	333+07.00	62.00' LT	353770.43	2545726.19
TLE838	333+72.81	52.00' LT	353761.99	2545792.22
TLE888	330+45.00	51.00' RT	353651.23	2545466.95
TLE1369	335+84.15	55.00' LT	353770.02	2546003.42
TLE1370	336+64.31	55.00' LT	353771.92	2546083.56
TLE1371	336+84.00	48.00' LT	353765.39	2546103.41
TLE1372	336+84.00	53.00' LT	353770.39	2546103.30
TLE1373	336+64.28	53.00' LT	353769.92	2546083.58

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE573	339+80.00	50.00' LT	353774.43	2546399.28
PLE574	339+80.00	45.00' LT	353769.43	2546399.40
PLE582	339+62.00	45.00' LT	353769.00	2546381.41
PLE583	339+62.00	50.00' LT	353774.00	2546381.29
PLE651	329+11.00	55.00' LT	353754.02	2545330.47
PLE652	329+11.00	60.00' LT	353759.01	2545330.35
PLE655	328+36.00	55.00' LT	353752.23	2545255.49
PLE801	330+34.00	60.00' LT	353761.94	2545453.31
PLE802	330+34.00	45.00' LT	353746.94	2545453.67
PLE803	328+36.00	45.00' LT	353742.24	2545255.73

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE816	331+47.80	52.00' LT	353756.65	2545567.28
PLE827	333+07.00	52.00' LT	353760.43	2545726.43
PLE828	333+07.00	45.00' LT	353753.43	2545726.59
PLE1316	335+97.00	45.00' LT	353760.32	2546016.51
PLE1317	335+97.00	50.00' LT	353765.32	2546016.39
PLE1417	335+84.07	50.00' LT	353765.02	2546003.47

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PRW621	333+84.82	45.00' RT	353665.31	2545806.53
PRW622	335+84.00	45.00' LT	353760.02	2546003.51
PRW623	337+44.98	45.00' RT	353763.84	2546164.45
PRW624	337+40.85	45.00' RT	353673.77	2546162.46
PRW625	339+15.85	45.00' RT	353677.93	2546337.41
PRW626	340+41.70	45.00' LT	353770.89	2546461.09
PRW627	341+91.70	45.00' LT	353774.46	2546611.04
PRW628	340+58.27	45.00' RT	353681.31	2546479.79
PRW756	327+72.50	45.00' RT	353740.73	2545192.25
PRW815	331+47.70	45.00' LT	353749.65	2545567.34
PRW899	329+98.91	45.00' RT	353656.13	2545420.73
PRW900	341+92.00	45.00' RT	353684.49	2546613.48

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
DB3003	327+71.85	0.00' RT	353695.72	2545192.66
DB3004	329+99.45	0.00' RT	353701.13	2545420.20
ERW4009	333+72.71	45.00' LT	353754.99	2545792.29
ERW4010	334+32.72	45.00' LT	353756.42	2545852.28
ERW4011	338+61.70	45.00' LT	353766.62	2546281.14
ERW4012	339+21.71	45.00' LT	353768.04	2546341.12
ERW4013	335+99.77	45.00' RT	353670.42	2546021.42
ERW4014	335+39.77	75.00' RT	353639.00	2545962.15
ERW4015	333+84.82	75.00' RT	353635.32	2545807.24

NEW R/W COURSE TABLE		
COURSE	DISTANCE	BEARING
DB3003-PRW756	45.00'	N00°31'53"W
PRW756-PRW815	375.20'	N88°38'17"E
PRW815-ERW4009	225.01'	N88°38'17"E
ERW4009-ERW4010	60.00'	N88°38'17"E
ERW4010-PRW622	151.28'	N88°38'17"E
PRW622-PRW623	160.99'	N88°38'17"E
PRW623-ERW4011	116.72'	N88°38'17"E
ERW4011-ERW4012	60.00'	N88°38'17"E
ERW4012-PRW626	120.00'	N88°38'17"E
PRW626-PRW627	150.00'	N88°38'17"E
PRW627-MON2006	55.42'	S37°04'29"E
MON2006-PRW900	55.25'	S34°06'02"W
PRW900-PRW628	133.73'	S88°38'17"W
PRW628-PRW625	142.42'	S88°38'17"W
PRW625-PRW624	175.00'	S88°38'17"W
PRW624-ERW4013	141.08'	S88°38'17"W
ERW4013-ERW4014	67.08'	S62°04'23"W
ERW4014-ERW4015	154.95'	S88°38'17"W
ERW4015-PRW621	30.00'	N01°21'43"W
PRW621-PRW899	385.91'	S88°38'17"W
PRW899-DB3004	45.00'	N00°40'10"W
DB3004-DB3003	227.60'	S88°38'17"W

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
PROPOSED REFERENCE LINE
PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
EASEMENT LINE
CORPORATE LIMITS
EXISTING CENTERLINE
LOT & TIE LINES
UTILITIES (TELEPHONE,GAS,ELECTRIC/CABLE TV,FIBER OPTIC) — TYPE

ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)
ACCESS RESTRICTED (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
PARCEL NUMBER (102)
UTILITY PARCEL NUMBER 92
SIGN NUMBER (OFF PREMISE) (21)
BUILDING
FOUND IRON PIPE/PIN — O IP (IF UNLESS NOTED)

R/W MONUMENT
R/W STANDARD SIGN
SECTION CORNER SYMBOL
N.T.S.
ACCESS POINT/ DRIVEWAY CONNECTION
ACCESS RIGHTS AR
ACRES AC.
AND OTHERS ET.AL.
CENTERLINE C/L
CERTIFIED SURVEY MAP CSM
DOCUMENT DOC.
HIGHWAY EASEMENT H.E.

° ▲(SET)
△ ▲(SET)
ISIGN
PAGE P.
PERMANENT LIMITED EASEMENT PLE
PROPERTY LINE PL
RECORDED AS (100')
REFERENCE LINE R/L
REMAINING REM.
RIGHT-OF-WAY R/W
SECTION SEC.
SECTION LINE S/L
SQUARE FEET SQ.FT.
STATION STA.
TEMPORARY LIMITED EASEMENT TLE
VOLUME V.

LAND CONTRACT LC
MONUMENT MON.
LONG CHORD LCH
LONG CHORD BEARING LCB
RADIUS R
DEGREE OF CURVE D
CENTRAL ANGLE OR DELTA DELTA
LENGTH OF CURVE L
TANGENT TAN

CURVE DATA

	NON COMPENSABLE	COMPENSABLE
POWER POLE	⏚	●
TELEPHONE POLE	⊗	○
TELEPHONE PEDESTAL	⌧	✖

R-21-E
T-6-N
PROJECT LOCATION
SHEET LOCATION
LOCATION MAP NOT TO SCALE

GN
0 50 100
SCALE, FEET

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
500	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
501	AT&T	RELEASE OF RIGHTS

CITY OF GREENFIELD

I, ERIK A. GUSTAFSON, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF GREENFIELD, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN ERIK A. GUSTAFSON S-2329 HOWARDS GROVE, WISCONSIN LAND SURVEYOR

SIGNATURE: Erik A. Gustafson DATE: 3/23/16
PRINT NAME: ERIK A. GUSTAFSON
REGISTRATION NUMBER: S-2329
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF GREENFIELD
SIGNATURE: Jeff Katz DATE: 4-7-16
PRINT NAME: JEFF KATZ

MON. 2007
T6N R21E 24 24 25 25
CONCRETE MON. W/ BRASS CAP Y = 356352.54 X = 2546429.25

PI STA 342+24.05
MANHOLE COVER Y = 353703.76 X = 2546453.81
T6N R21E 25 25 25 25
MON. 2006

SEE PLAT NO. 2980-00-00-4.05
N00°31'53"W 2649.09'
S. 35TH STREET
2651.50' (MON. TO MON.)

SEE PLAT NO. 2980-00-00-4.03
1/16TH LINE
S. 37TH STREET
S. 36TH STREET
W. EDGERTON AVENUE
N88°38'17"E 1199.30' MON. 2003
T6N R21E 26 25 26 25
PI STA 315+72.55 CONCRETE MON. W/ BRASS CAP Y = 353640.74 X = 2543803.26

SW-NW
NE-SW
SE-NW
OF GREENFIELD

4

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\130016 - EDGERTON AVENUE\SURVEY\PLAT\130016_RP.DWG
PLOT DATE : 3/23/2016 12:54 PM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : **********
APPRAISAL PLAT DATE : ----------

---------- ---------- 4.04

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE BASED ON THE WISCONSIN PLANE COORDINATE SYSTEM GRID, SOUTH ZONE (NAD-2227) IN U.S. SURVEY FEET. ALL PLAT DISTANCES ARE GROUND LENGTH AND MAY BE CONVERTED TO GRID LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR OF 0.99992514.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 2"X24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TUCKAWAY ESTATES SUBDIVISION PLAT CSM 5037, CSM 757, AND DEEDS OF RECORD.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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

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

TRANSPORTATION PROJECT PLAT NO: 2980-00-20 - 4.05

W. EDGERTON AVENUE (LOCAL ROAD)
W. LOOMIS ROAD - S. 27TH STREET

PARTS OF LOTS 1 AND 14, OF BLOCK 1, OF TUCKAWAY ESTATES, A PART OF LOTS 6,7 AND 9, OF BLOCK 2, OF TUCKAWAY ESTATES, A PART OF PARCEL 2, OF CSM NO. 5037, AND A PART OF LOT 1, OF CSM NO. 757, ALL IN AND INCLUDING LANDS LOCATED IN THE SW ¼ OF THE NE ¼, THE NE ¼ OF THE SW ¼ AND THE NW ¼ OF THE SE ¼ OF SECTION 25, TOWNSHIP 6 NORTH, RANGE 21 EAST, SITUATED IN THE CITY OF GREENFIELD, MILWAUKEE COUNTY, WISCONSIN.

RELOCATION ORDER W. EDGERTON AVENUE, MILWAUKEE COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 62.22, WISCONSIN STATUTES, THE THE CITY OF GREENFIELD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF GREENFIELD FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE THE CITY OF GREENFIELD, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

DOC.# 10553747
Rec'd 8362
RECORDED 04/08/2016 08:33AM
JOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: 25.00
FEE EXEMPT #:

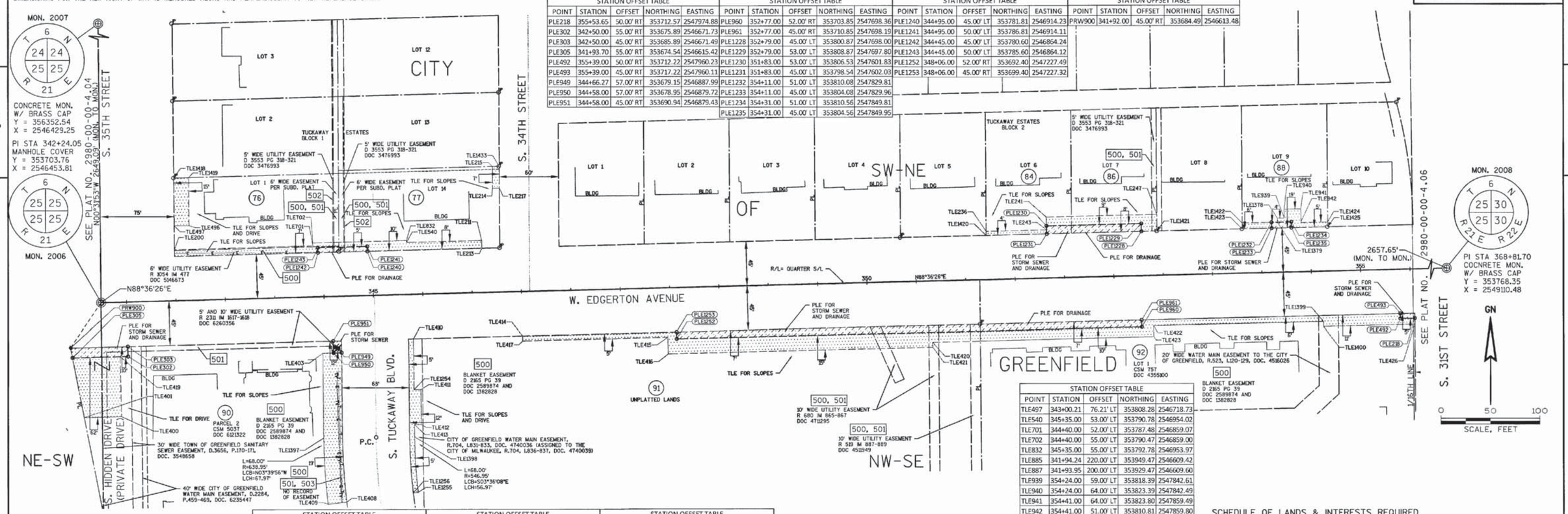
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER
AMENDMENT NO:

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE218	355+53.65	50.00' RT	353712.57	2547974.88
PLE302	342+50.00	55.00' RT	353675.89	2546671.73
PLE303	342+50.00	45.00' RT	353685.89	2546671.49
PLE305	341+93.70	55.00' RT	353674.54	2546615.42
PLE492	355+39.00	50.00' RT	353712.22	2547960.23
PLE493	355+39.00	45.00' RT	353717.22	2547960.11
PLE949	344+66.27	57.00' RT	353679.15	2546887.99
PLE950	344+58.00	57.00' RT	353678.95	2546879.72
PLE951	344+58.00	45.00' RT	353690.94	2546879.43

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE960	352+77.00	52.00' RT	353703.85	2547698.36
PLE961	352+77.00	45.00' RT	353710.85	2547698.19
PLE1228	352+79.00	45.00' LT	353800.87	2547698.00
PLE1229	352+79.00	53.00' LT	353808.87	2547697.80
PLE1230	351+83.00	53.00' LT	353806.53	2547601.83
PLE1231	351+83.00	45.00' LT	353798.54	2547602.03
PLE1232	354+11.00	51.00' LT	353810.08	2547829.81
PLE1233	354+11.00	45.00' LT	353804.08	2547829.96
PLE1234	354+31.00	51.00' LT	353810.56	2547849.81
PLE1235	354+31.00	45.00' LT	353804.56	2547849.95

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE1240	344+95.00	45.00' LT	353781.81	2546914.23
PLE1241	344+95.00	50.00' LT	353786.81	2546914.11
PLE1242	344+45.00	45.00' LT	353780.60	2546864.24
PLE1243	344+45.00	50.00' LT	353785.60	2546864.12
PLE1252	348+06.00	52.00' RT	353692.40	2547227.49
PLE1253	348+06.00	45.00' RT	353699.40	2547227.32

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PRW900	341+92.00	45.00' RT	353684.49	2546613.48



STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE200	342+99.84	52.00' LT	353784.07	2546718.96
TLE211	346+11.00	53.00' LT	353792.63	2547030.00
TLE213	346+11.00	45.00' LT	353784.63	2547030.19
TLE214	346+23.35	105.99' LT	353845.91	2547041.06
TLE215	346+23.78	127.99' LT	353867.90	2547040.95
TLE217	346+30.35	105.86' LT	353845.94	2547048.06
TLE236	351+21.77	49.00' LT	353801.05	2547540.72
TLE241	351+83.00	62.00' LT	353815.53	2547601.61
TLE243	351+83.00	49.00' LT	353802.54	2547601.93
TLE247	352+95.02	62.00' LT	353818.25	2547713.60

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE400	342+42.00	117.00' RT	353613.71	2546665.24
TLE401	342+04.29	117.00' RT	353612.81	2546627.48
TLE403	344+47.27	57.00' RT	353678.68	2546868.99
TLE408	344+67.70	210.42' RT	353525.81	2546893.14
TLE409	344+48.78	212.18' RT	353523.59	2546874.27
TLE410	345+39.44	45.00' RT	353692.92	2546960.84
TLE411	345+45.73	97.09' RT	353641.00	2546968.40
TLE412	345+45.25	133.09' RT	353605.00	2546968.79
TLE413	345+38.25	132.99' RT	353604.93	2546961.79
TLE414	346+50.00	45.00' RT	353695.61	2547071.37

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE415	347+97.00	50.00' RT	353694.18	2547218.45
TLE416	347+97.00	67.00' RT	353677.19	2547218.86
TLE417	346+50.00	50.00' RT	353690.61	2547071.49
TLE419	342+42.00	55.00' RT	353675.69	2546663.73
TLE420	350+65.00	62.00' RT	353688.70	2547486.66
TLE421	350+65.00	67.00' RT	353683.70	2547486.78
TLE422	352+89.00	51.00' RT	353705.14	2547710.33
TLE423	352+89.00	62.00' RT	353694.14	2547710.59
TLE426	355+53.56	56.00' RT	353706.57	2547974.93
TLE496	343+15.20	75.99' LT	353808.42	2546733.73

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE497	343+00.21	76.21' LT	353808.28	2546718.73
TLE540	345+35.00	53.00' LT	353790.78	2546954.02
TLE701	344+40.00	52.00' LT	353787.48	2546859.07
TLE702	344+40.00	55.00' LT	353790.47	2546859.00
TLE832	345+35.00	55.00' LT	353792.78	2546953.97
TLE885	341+94.24	220.00' LT	353949.47	2546609.42
TLE887	341+93.95	200.00' LT	353929.47	2546609.60
TLE939	354+24.00	59.00' LT	353818.39	2547842.61
TLE940	354+24.00	64.00' LT	353823.39	2547842.49
TLE941	354+41.00	64.00' LT	353823.80	2547859.49
TLE942	354+41.00	51.00' LT	353810.81	2547859.80
TLE1254	345+38.73	97.00' RT	353640.92	2546961.40
TLE1255	345+40.27	202.44' RT	353535.55	2546965.50
TLE1256	345+35.29	202.89' RT	353534.97	2546960.54
TLE1378	354+17.00	55.00' LT	353814.22	2547835.71
TLE1379	354+17.00	51.00' LT	353810.22	2547835.81
TLE1397	344+46.08	144.26' RT	353591.42	2546869.93
TLE1398	345+38.08	145.51' RT	353592.41	2546961.92
TLE1399	354+61.00	51.00' RT	353709.32	2547882.28
TLE1400	354+61.00	56.00' RT	353704.32	2547882.40
TLE1418	343+00.94	124.99' LT	353857.06	2546718.28
TLE1419	343+15.94	124.99' LT	353857.42	2546733.28
TLE1420	351+21.70	45.00' LT	353797.05	2547540.74
TLE1421	352+94.70	45.00' LT	353801.25	2547713.69
TLE1422	353+81.31	51.00' LT	353809.35	2547800.13
TLE1423	353+81.20	45.00' LT	353803.35	2547800.16
TLE1424	354+67.79	50.00' LT	353810.46	2547886.61
TLE1425	354+67.70	45.00' LT	353805.46	2547886.64
TLE1433	346+30.78	127.99' LT	353868.08	2547047.95

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	PLE ACRES	TLE ACRES
76	AMER G. ALAM	PLE, TLE	-	0.002	0.043
77	TONY LONGORIA & GUADALUPE LONGORIA	PLE, TLE	-	0.003	0.030
84	STUART J. MALAVSKY	PLE, TLE	-	0.005	0.011
86	LORRAINE MONITA	PLE, TLE	-	0.013	0.021
88	MARY ANN JAZWIECKI TRUST	PLE, TLE	-	0.003	0.014
90	HIDDEN OAKS OF GREENFIELD CONDOMINIUM ASSOC, INC.	PLE, TLE	-	0.015	0.129
91	CLOISTERS OF GREENFIELD UNIT OWNERS ASSOCIATION	PLE, TLE	-	0.049	0.146
92	CAMELOT VILLAGE ASSOCIATION, INC.	PLE, TLE	-	0.028	0.088

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

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
500	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
501	AT&T	RELEASE OF RIGHTS
502	WE ENERGIES - GAS	RELEASE OF RIGHTS
503	TIME WARNER CABLE	RELEASE OF RIGHTS

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
PROPOSED REFERENCE LINE
PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
EASEMENT LINE
CORPORATE LIMITS
EXISTING CENTERLINE
LOT & TIE LINES
UTILITIES (TELEPHONE,GAS,ELECTRIC,CABLE TV,FIBER OPTIC)

ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)
ACCESS RESTRICTED (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
PARCEL NUMBER
UTILITY PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING
FOUND IRON PIPE/PIN

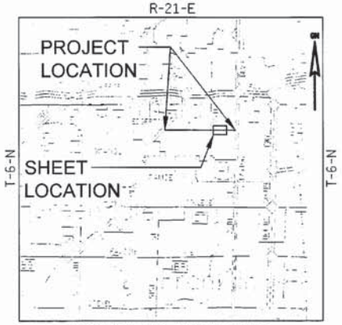
R/W MONUMENT
R/W STANDARD
SIGN
SECTION CORNER SYMBOL
N.T.S.
AP
ACCESS POINT/ DRIVEWAY CONNECTION
AR
ACCESS RIGHTS
AC.
ACRES
ET.AL.
AND OTHERS
C/L
CENTERLINE
CSM
CERTIFIED SURVEY MAP
DOC.
DOCUMENT
H.E.
HIGHWAY EASEMENT

∘ (SET)	LAND CONTRACT	LC	
▲ (SET)	MONUMENT	MON.	
ISIGN	PAGE	P.	
	PERMANENT LIMITED EASEMENT	PLE	
	PROPERTY LINE	PL	
	RECORDED AS	(100')	
	REFERENCE LINE	R/L	
	REMAINING	REM.	
	RIGHT-OF-WAY	R/W	
	SECTION	SEC.	
	SECTION LINE	S/L	
	SQUARE FEET	SQ.FT.	
	STATION	STA.	
	TEMPORARY LIMITED EASEMENT	TLE	
	VOLUME	V.	

CURVE DATA

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

	NON COMPENSABLE	COMPENSABLE
POWER POLE	⏚	●
TELEPHONE POLE	⌀	○
TELEPHONE PEDESTAL	⌑	✕



LOCATION MAP NOT TO SCALE

CITY OF GREENFIELD

I, ERIK A. GUSTAFSON, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF GREENFIELD, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

WISCONSIN ERIK A. GUSTAFSON S-2329 HOWARDS GROVE, WISCONSIN LAND SURVEYOR

SIGNATURE: [signature] DATE: 3/23/16
PRINT NAME: ERIK A. GUSTAFSON
REGISTRATION NUMBER: S-2329
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF GREENFIELD
SIGNATURE: [signature] DATE: 4-7-16
PRINT NAME: JEFF KATZ

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\130016 - EDGERTON AVENUE\SURVEY\PLAT\130016_RP.DWG
PLOT DATE : 3/23/2016 12:54 PM
PLOT BY : WALTER A. WOLAK II
PLOT NAME :
PLOT SCALE : **********
APPRAISAL PLAT DATE : _____

4.05

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE BASED ON THE WISCONSIN PLANE COORDINATE SYSTEM GRID, SOUTH ZONE (NAD-2227) IN U.S. SURVEY FEET. ALL PLAT DISTANCES ARE GROUND LENGTH AND MAY BE CONVERTED TO GRID LENGTH BY MULTIPLYING THE DISTANCE BY THE GRID FACTOR OF 0.99992514.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1"X24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

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

EXISTING RIGHT-OF-WAY WAS RE-ESTABLISHED UNDER PROJECT: TUCKAWAY ESTATES ADDITION SUBDIVISION PLAT, TUCKAWAY MANOR SUBDIVISION PLAT, AND DEEDS OF RECORD.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

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

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

TRANSPORTATION PROJECT PLAT NO: 2980-00-20 - 4.06

W. EDGERTON AVENUE (LOCAL ROAD)
W. LOOMIS ROAD - S. 27TH STREET

PART OF LOT 3, OF BLOCK 7, OF TUCKAWAY ESTATES ADDITION, A PART OF LOT 4, OF BLOCK 8, OF TUCKAWAY ESTATES ADDITION, AND A PART OF LOTS 12 AND 13, OF BLOCK 7, OF TUCKAWAY MANOR, ALL IN AND INCLUDING LANDS LOCATED IN THE SE ¼ OF THE NE ¼ AND THE NE ¼ OF THE SE ¼, OF SECTION 25, TOWNSHIP 6 NORTH, RANGE 21 EAST, SITUATED IN THE CITY OF GREENFIELD, MILWAUKEE COUNTY, WISCONSIN.

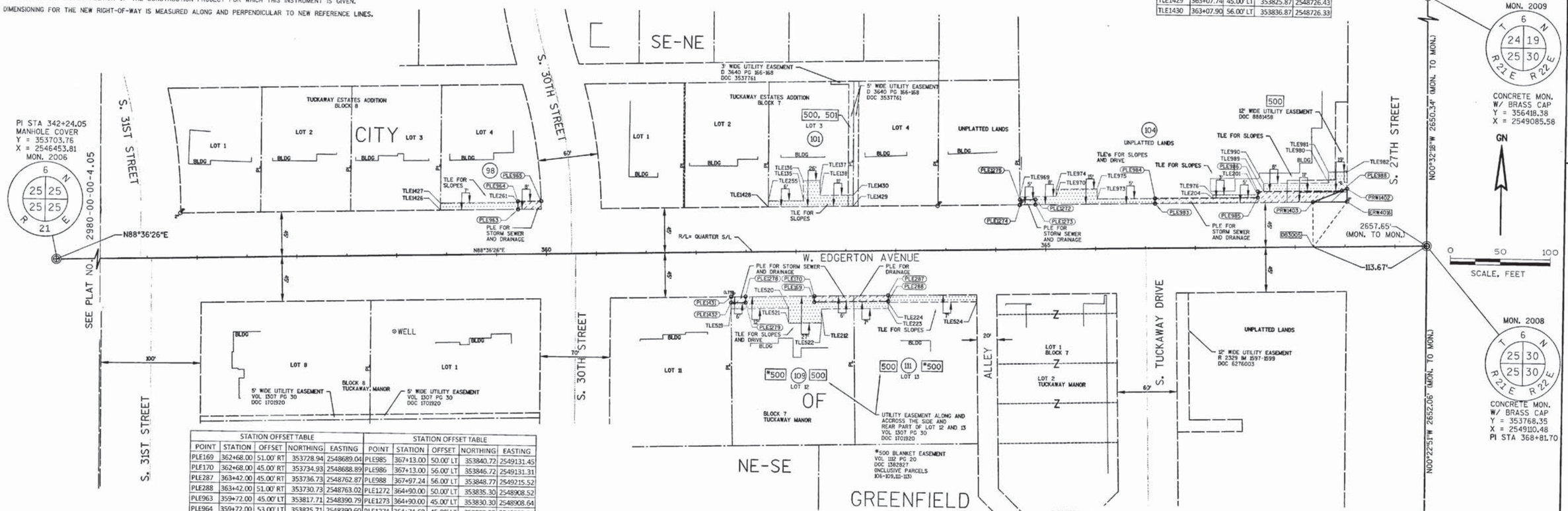
RELOCATION ORDER W. EDGERTON AVENUE, MILWAUKEE COUNTY

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

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SUBSECTION 62.22, WISCONSIN STATUTES, THE THE CITY OF GREENFIELD HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE NAMED PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY OF GREENFIELD FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE THE CITY OF GREENFIELD, PURSUANT TO THE PROVISIONS OF SUBSECTION 62.22, WISCONSIN STATUTES.

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE135	362+58.00	51.00' LT	353830.66	2548676.56
TLE136	362+58.00	71.00' LT	353850.66	2548676.08
TLE137	362+75.00	71.00' LT	353851.07	2548693.07
TLE138	362+75.00	56.00' LT	353836.08	2548693.44
TLE201	367+13.00	53.00' LT	353843.72	2549131.38
TLE204	366+68.00	50.00' LT	353839.63	2549086.47
TLE212	362+75.00	58.00' RT	353722.11	2548696.21
TLE223	363+42.00	58.00' RT	353723.74	2548763.19
TLE224	363+42.00	52.00' RT	353729.74	2548763.04
TLE255	362+22.83	51.00' LT	353829.81	2548641.40
TLE261	359+72.00	52.00' LT	353824.71	2548390.62
TLE519	361+84.50	57.00' RT	353720.91	2548605.71
TLE520	362+42.00	57.00' RT	353722.31	2548663.19
TLE521	362+42.00	72.00' RT	353707.31	2548663.56

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
TLE522	362+75.00	72.00' RT	353708.11	2548696.55
TLE524	364+30.50	52.00' RT	353731.89	2548851.51
TLE969	364+74.60	53.00' LT	353837.93	2548893.05
TLE970	365+11.00	53.00' LT	353838.81	2548929.44
TLE973	365+52.00	50.00' LT	353836.81	2548970.50
TLE974	365+11.00	60.00' LT	353845.81	2548929.27
TLE975	365+52.00	60.00' LT	353846.81	2548970.26
TLE976	366+68.00	53.00' LT	353842.63	2549086.39
TLE980	367+84.00	64.00' LT	353856.44	2549202.09
TLE981	367+84.00	75.00' LT	353867.44	2549201.82
TLE982	368+02.81	75.00' LT	353867.90	2549220.63
TLE989	367+19.00	56.00' LT	353846.87	2549137.30
TLE990	367+19.00	64.00' LT	353854.86	2549137.11
TLE1426	358+94.21	45.00' LT	353815.82	2548313.03
TLE1427	358+94.35	52.00' LT	353822.82	2548312.99
TLE1428	362+22.74	45.00' LT	353823.81	2548641.46
TLE1429	363+07.74	45.00' LT	353825.87	2548726.43
TLE1430	363+07.90	56.00' LT	353836.87	2548726.33



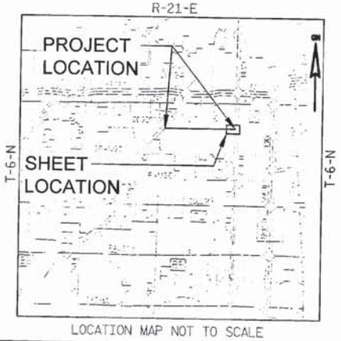
STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE169	362+68.00	51.00' RT	353728.94	2548689.04
PLE170	362+68.00	45.00' RT	353734.93	2548688.89
PLE287	363+42.00	45.00' RT	353736.73	2548762.87
PLE288	363+42.00	51.00' RT	353730.73	2548763.02
PLE963	359+72.00	45.00' LT	353817.71	2548390.79
PLE964	359+72.00	53.00' LT	353825.71	2548390.60
PLE965	359+95.24	53.00' LT	353826.28	2548413.83
PLE983	366+10.00	45.00' LT	353833.22	2549028.60
PLE984	366+10.00	50.00' LT	353838.22	2549028.48

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PRW1402	368+02.56	58.00' LT	353850.90	2549220.79
PRW1403	367+68.00	45.00' LT	353837.06	2549186.56

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
PLE985	367+13.00	50.00' LT	353840.72	2549131.45
PLE986	367+13.00	56.00' LT	353846.72	2549131.31
PLE988	367+97.24	56.00' LT	353848.77	2549215.52
PLE1272	364+90.00	50.00' LT	353835.30	2548908.52
PLE1273	364+90.00	45.00' LT	353830.30	2548908.64
PLE1274	364+74.60	45.00' LT	353829.93	2548893.24
PLE1275	364+74.60	50.00' LT	353834.93	2548893.12
PLE1278	361+99.00	45.00' RT	353733.26	2548619.91
PLE1279	361+99.00	51.00' RT	353727.26	2548620.06
PLE1431	361+84.50	45.00' RT	353732.90	2548605.41
PLE1432	361+84.50	51.00' RT	353726.91	2548605.56

STATION OFFSET TABLE				
POINT	STATION	OFFSET	NORTHING	EASTING
DB3005	367+68.00	0.00' RT	353792.07	2549187.65
ERW4016	368+02.37	45.00' LT	353837.90	2549220.91

R-21-E



LOCATION MAP NOT TO SCALE

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	NEW R/W ACRES	PLE ACRES	TLE ACRES
98	M. ESTELA SANDOVAL	PLE, TLE	-	0.004	0.012
101	JOAN M. SISSON	TLE	-	-	0.023
104	TEAM R N' B WISCONSIN, LLC	FEE, PLE, TLE	0.005	0.031	0.049
109	SANG MAN KIM & SUN HEE KWON	PLE, TLE	-	0.007	0.039
111	CAROL A. REINKE	PLE, TLE	-	0.005	0.020

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

CONVENTIONAL SYMBOLS AND ABBREVIATIONS

STATE, COUNTY, or TOWN LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
PROPOSED REFERENCE LINE
PROPOSED R/W LINE
EXISTING H.E. LINE
PROPERTY LINE
EASEMENT LINE
CORPORATE LIMITS
EXISTING CENTERLINE
LOT & TIE LINES
UTILITIES (TELEPHONE,GAS,ELECTRIC,CABLE TV,FIBER OPTIC)

ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)
ACCESS RESTRICTED (BY ACQUISITION)
NO ACCESS (BY STATUTORY AUTHORITY)
FEE (HATCH VARIES)
TEMPORARY LIMITED EASEMENT
PERMANENT LIMITED EASEMENT
PARCEL NUMBER
UTILITY PARCEL NUMBER
SIGN NUMBER (OFF PREMISE)
BUILDING
FOUND IRON PIPE/PIN
R/W MONUMENT
R/W STANDARD
SIGN
SECTION CORNER SYMBOL
ACCESS POINT/ DRIVEWAY CONNECTION
ACCESS RIGHTS
ACRES
AND OTHERS
CENTERLINE
CERTIFIED SURVEY MAP
DOCUMENT
HIGHWAY EASEMENT
(SET)
(SET)
N.T.S.
AP
AR
AC.
ET.AL.
C/L
CSM
DOC.
H.E.

LAND CONTRACT	LC	PAGE	P.
MONUMENT	MON.	PERMANENT LIMITED EASEMENT	PLE
PROPERTY LINE	PL	RECORDED AS	(100')
REFERENCE LINE	R/L	REMAINING	REM.
RIGHT-OF-WAY	R/W	SECTION	SEC.
SECTION LINE	S/L	SQUARE FEET	SQ.FT.
STATION	STA.	TEMPORARY LIMITED EASEMENT	TLE
VOLUME	V.		

CURVE DATA

LONG CHORD		LCH
LONG CHORD BEARING		LCB
RADIUS		R
DEGREE OF CURVE		D
CENTRAL ANGLE OR DELTA		DELTA
LENGTH OF CURVE		L
TANGENT		TAN
	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		

NEW R/W COURSE TABLE		
COURSE	DISTANCE	BEARING
DB3005-PRW1403	45.00'	N01°23'34"W
PRW1403-PRW1402	36.92'	N67°59'35"E
PRW1402-ERW4016	13.00'	S00°32'18"E
ERW4016-DB3005	56.62'	S35°58'33"W

SCHEDULE OF UTILITIES & INTERESTS REQUIRED

UTILITY NUMBER	OWNER	INTEREST REQUIRED
500	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
501	AT&T	RELEASE OF RIGHTS

CITY OF GREENFIELD

I, ERIK A. GUSTAFSON, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF GREENFIELD, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

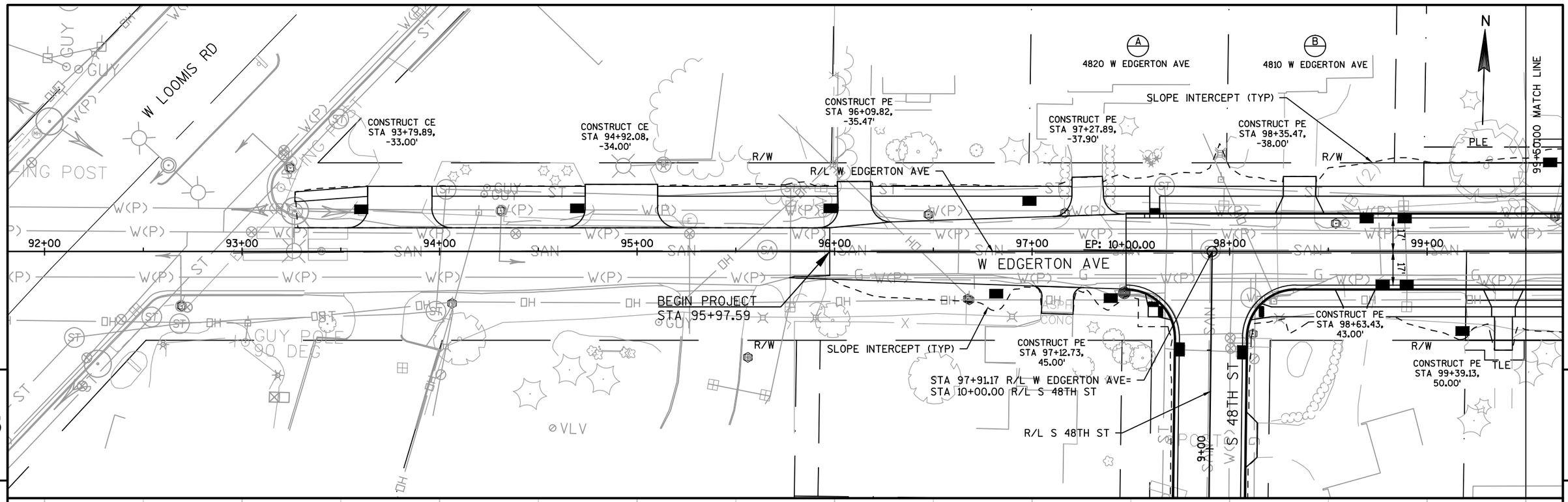
WISCONSIN ERIK A. GUSTAFSON S-2329 HOWARDS GROVE, WISCONSIN LAND SURVEYOR

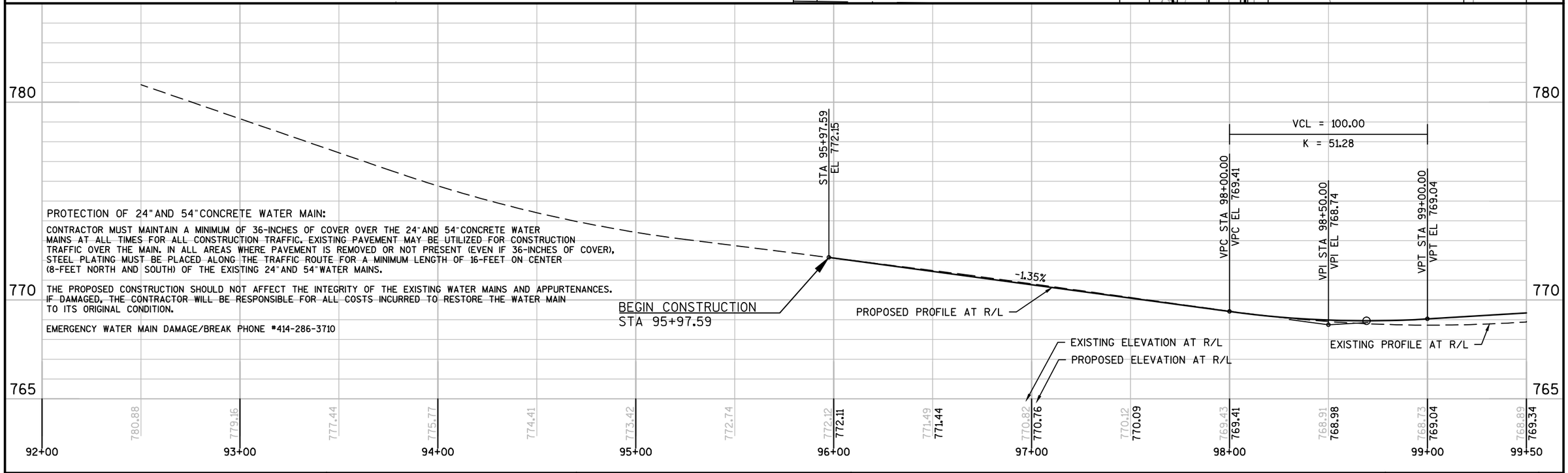
SIGNATURE: _____ DATE: 3/23/16
PRINT NAME: ERIK A. GUSTAFSON
REGISTRATION NUMBER: S-2329
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF GREENFIELD
SIGNATURE: _____ DATE: 4-7-16
PRINT NAME: JEFF KATZ

DOC.# 10553748
RECORDED 04/08/2016 08:33AM
JOHN LA FAVE
REGISTER OF DEEDS
Milwaukee County, WI
AMOUNT: 25.00
FEE EXEMPT #:

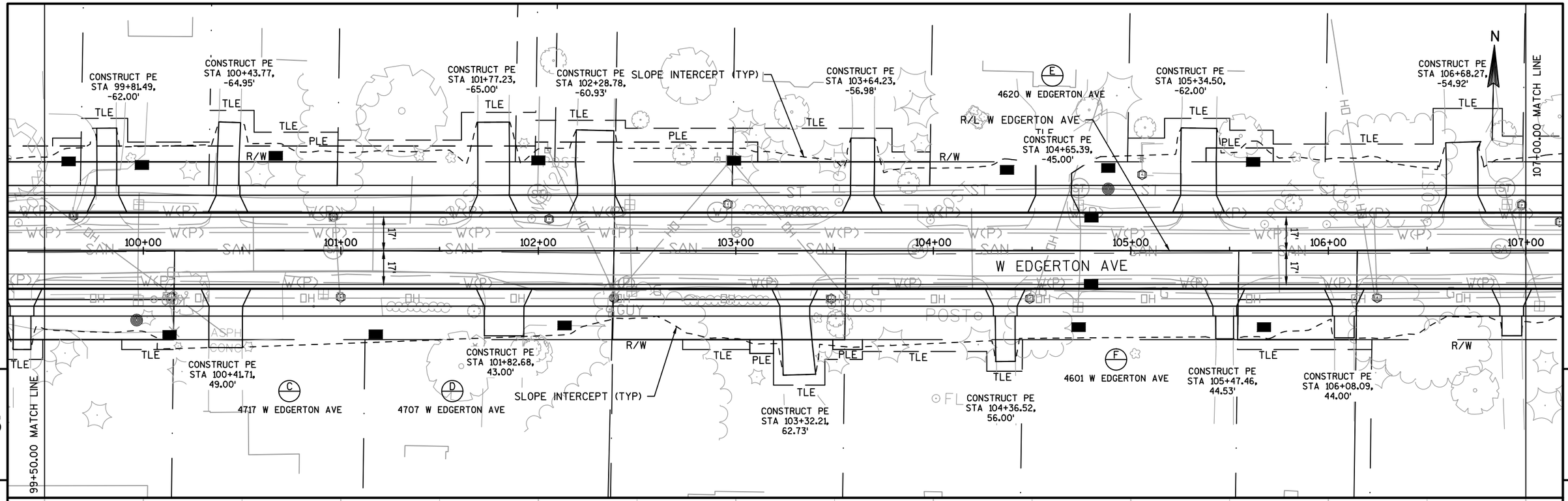
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER ----------
AMENDMENT NO:---

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\130016 - EDGERTON AVENUE\SURVEY\PLAT\130016_RP.DWG
APPRAISAL PLAT DATE : ----------
PLOT DATE : 3/23/2016 12:54 PM
PLOT BY : WALTER A. WOLAK II PLOT NAME :
PLOT SCALE : **********





PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 208	E



5

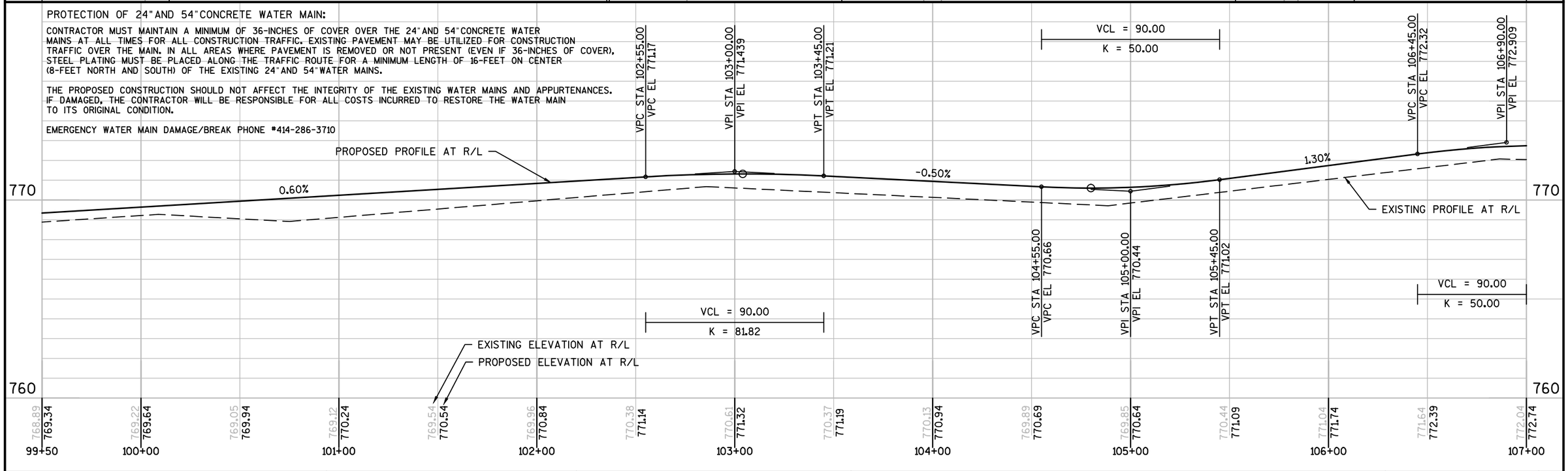
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PROTECTION OF 24"AND 54"CONCRETE WATER MAIN:

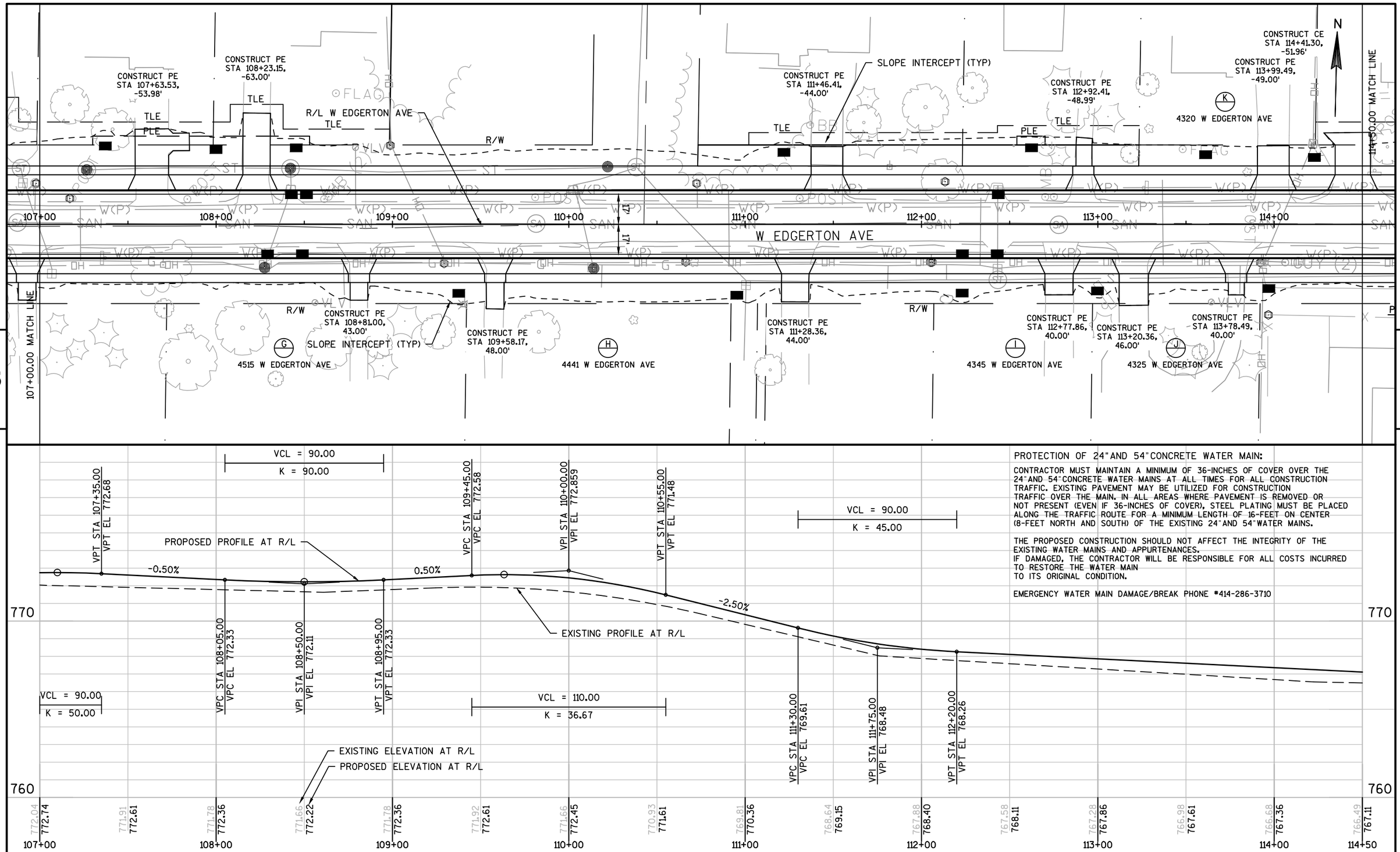
CONTRACTOR MUST MAINTAIN A MINIMUM OF 36-INCHES OF COVER OVER THE 24"AND 54"CONCRETE WATER MAINS AT ALL TIMES FOR ALL CONSTRUCTION TRAFFIC. EXISTING PAVEMENT MAY BE UTILIZED FOR CONSTRUCTION TRAFFIC OVER THE MAIN. IN ALL AREAS WHERE PAVEMENT IS REMOVED OR NOT PRESENT (EVEN IF 36-INCHES OF COVER), STEEL PLATING MUST BE PLACED ALONG THE TRAFFIC ROUTE FOR A MINIMUM LENGTH OF 16-FEET ON CENTER (8-FEET NORTH AND SOUTH) OF THE EXISTING 24"AND 54"WATER MAINS.

THE PROPOSED CONSTRUCTION SHOULD NOT AFFECT THE INTEGRITY OF THE EXISTING WATER MAINS AND APPURTENANCES. IF DAMAGED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS INCURRED TO RESTORE THE WATER MAIN TO ITS ORIGINAL CONDITION.

EMERGENCY WATER MAIN DAMAGE/BREAK PHONE *414-286-3710



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 209	E



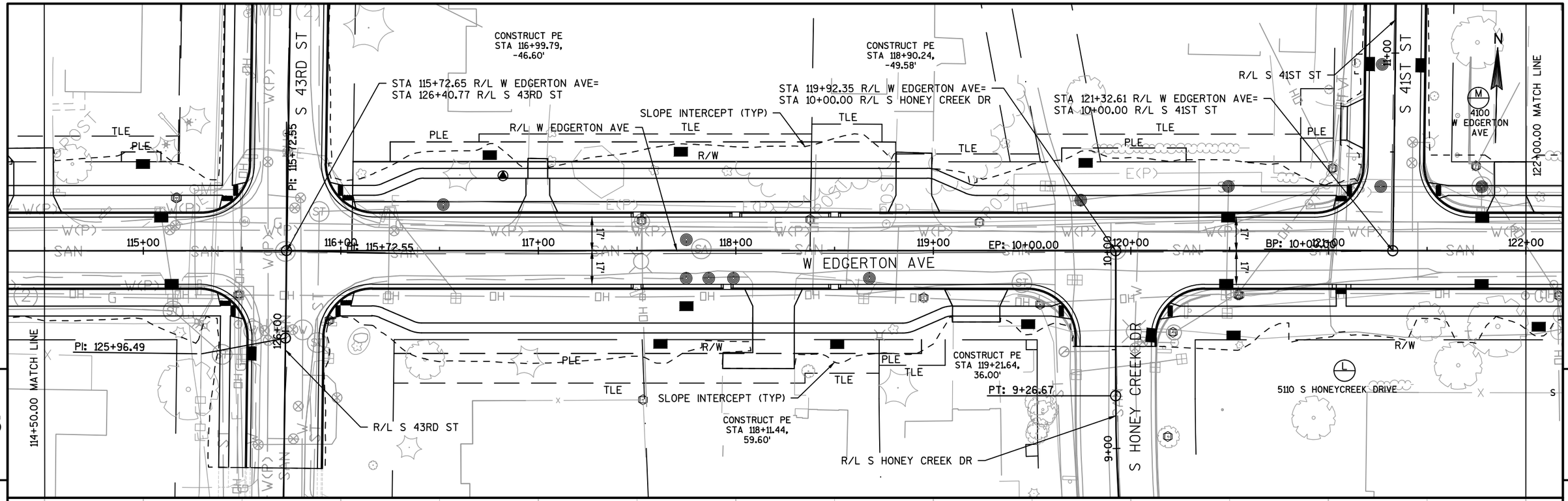
PROTECTION OF 24" AND 54" CONCRETE WATER MAIN:

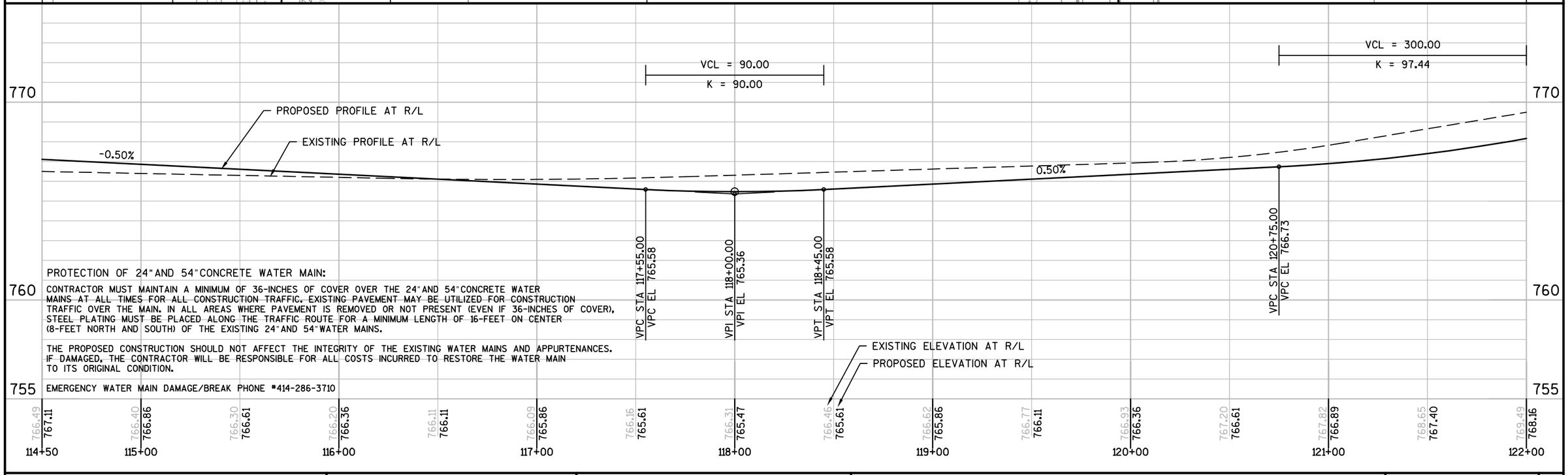
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EMERGENCY WATER MAIN DAMAGE/BREAK PHONE *414-286-3710

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 210	E





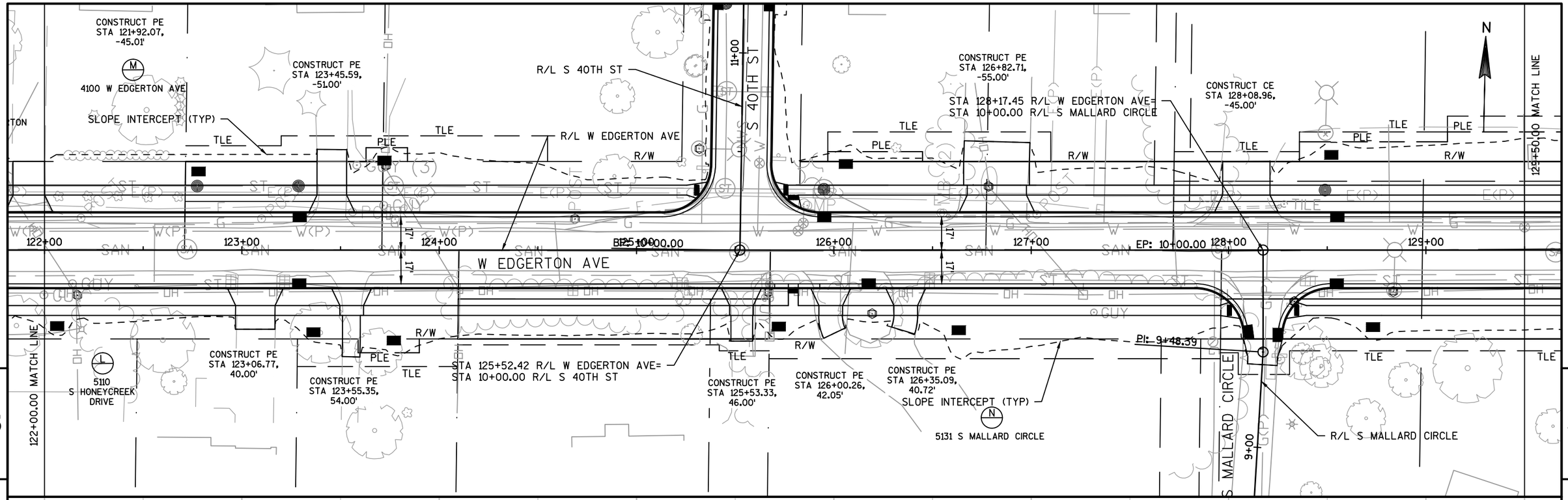
PROTECTION OF 24" AND 54" CONCRETE WATER MAIN:

CONTRACTOR MUST MAINTAIN A MINIMUM OF 36-INCHES OF COVER OVER THE 24" AND 54" CONCRETE WATER MAINS AT ALL TIMES FOR ALL CONSTRUCTION TRAFFIC. EXISTING PAVEMENT MAY BE UTILIZED FOR CONSTRUCTION TRAFFIC OVER THE MAIN. IN ALL AREAS WHERE PAVEMENT IS REMOVED OR NOT PRESENT (EVEN IF 36-INCHES OF COVER), STEEL PLATING MUST BE PLACED ALONG THE TRAFFIC ROUTE FOR A MINIMUM LENGTH OF 16-FEET ON CENTER (8-FEET NORTH AND SOUTH) OF THE EXISTING 24" AND 54" WATER MAINS.

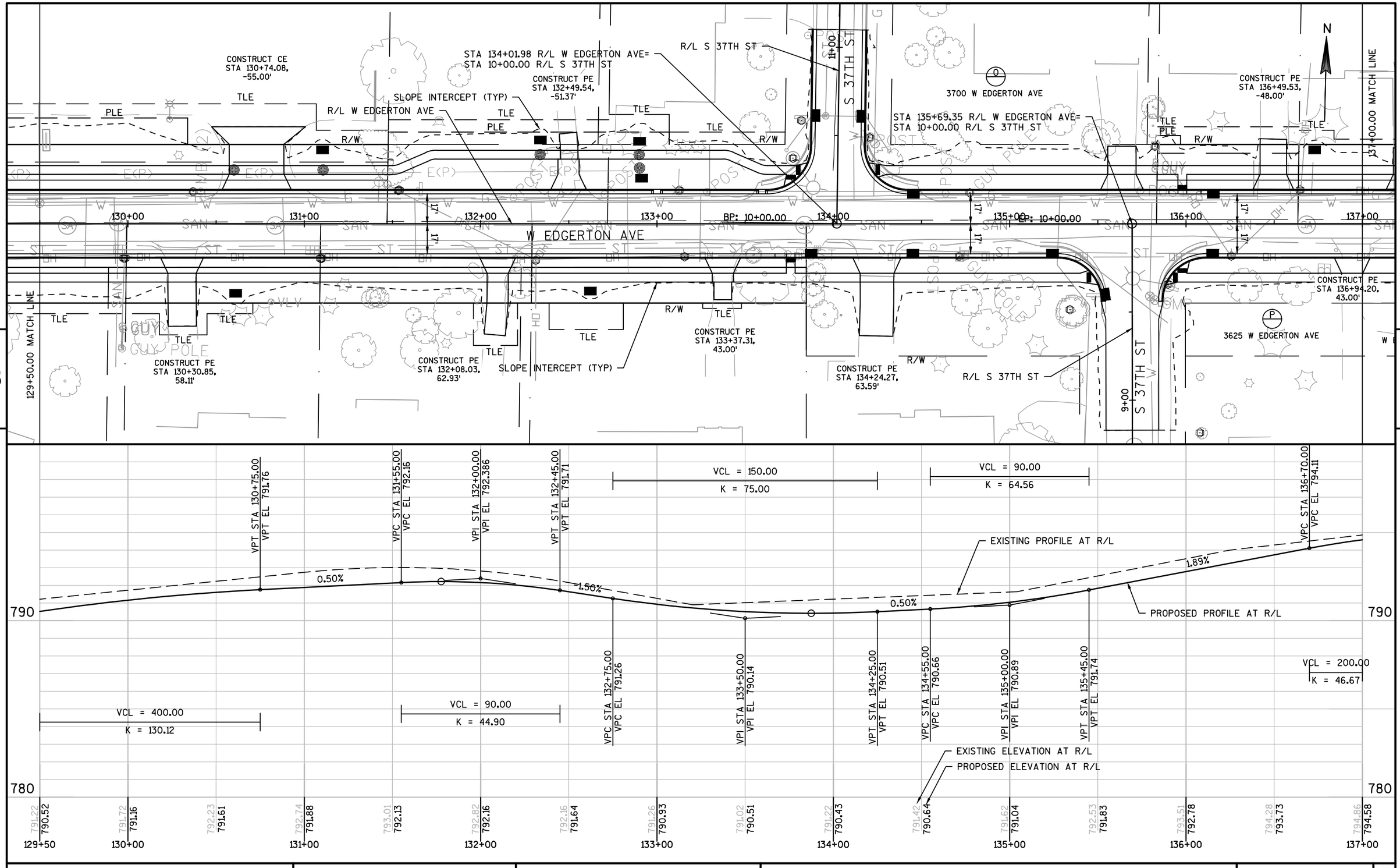
THE PROPOSED CONSTRUCTION SHOULD NOT AFFECT THE INTEGRITY OF THE EXISTING WATER MAINS AND APPURTENANCES. IF DAMAGED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL COSTS INCURRED TO RESTORE THE WATER MAIN TO ITS ORIGINAL CONDITION.

EMERGENCY WATER MAIN DAMAGE/BREAK PHONE *414-286-3710

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 211	E

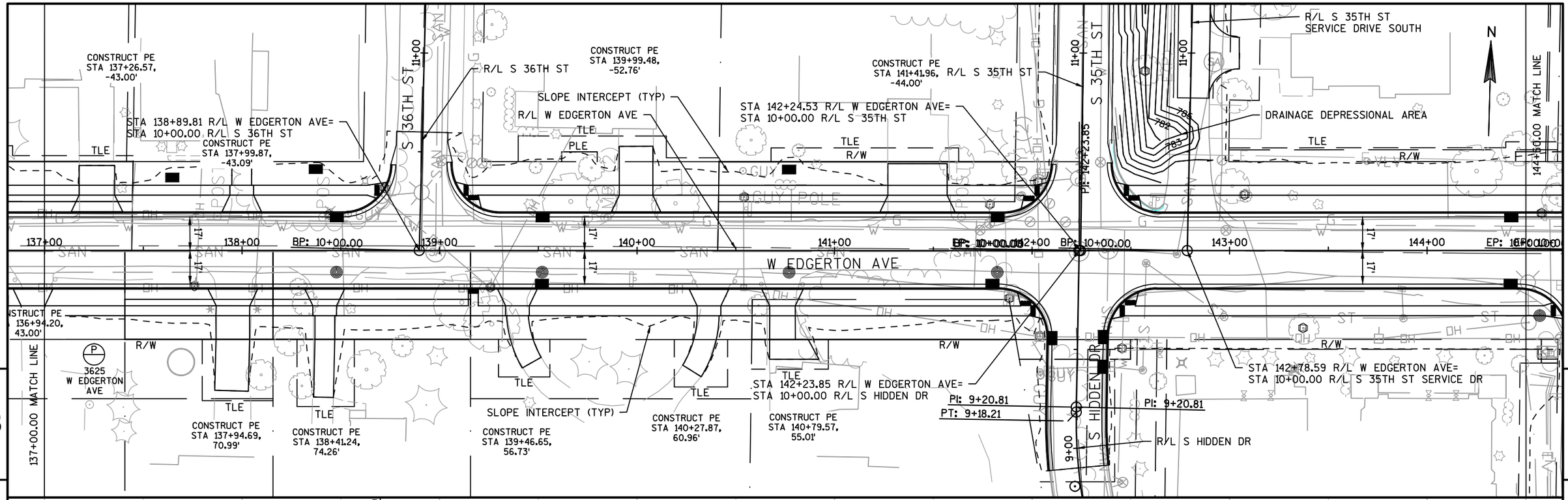


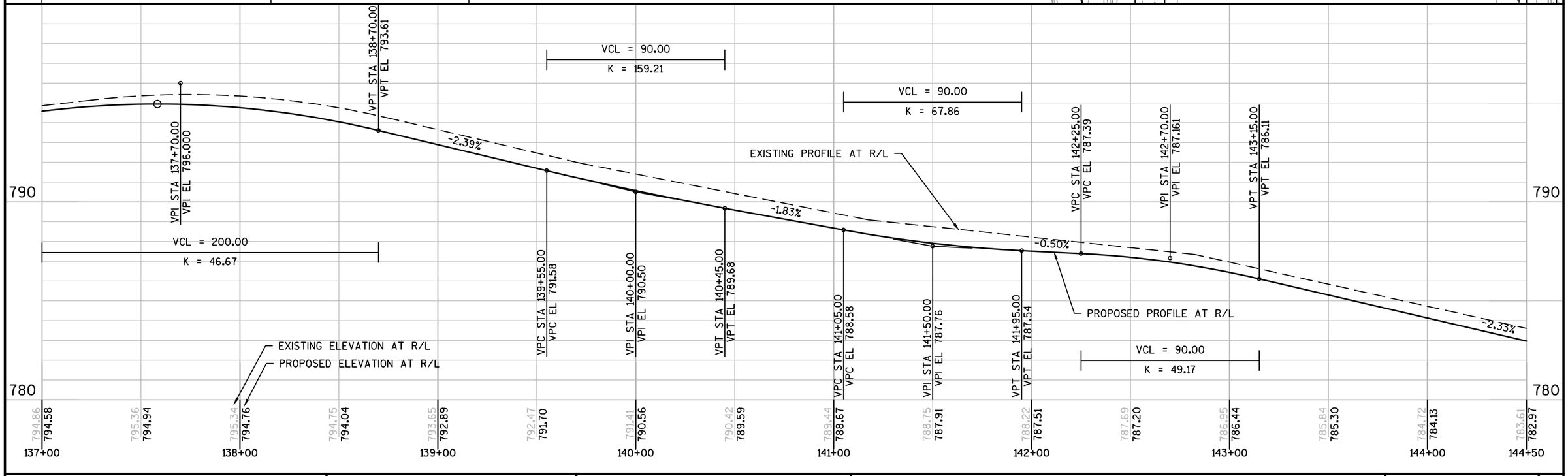
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 212	E



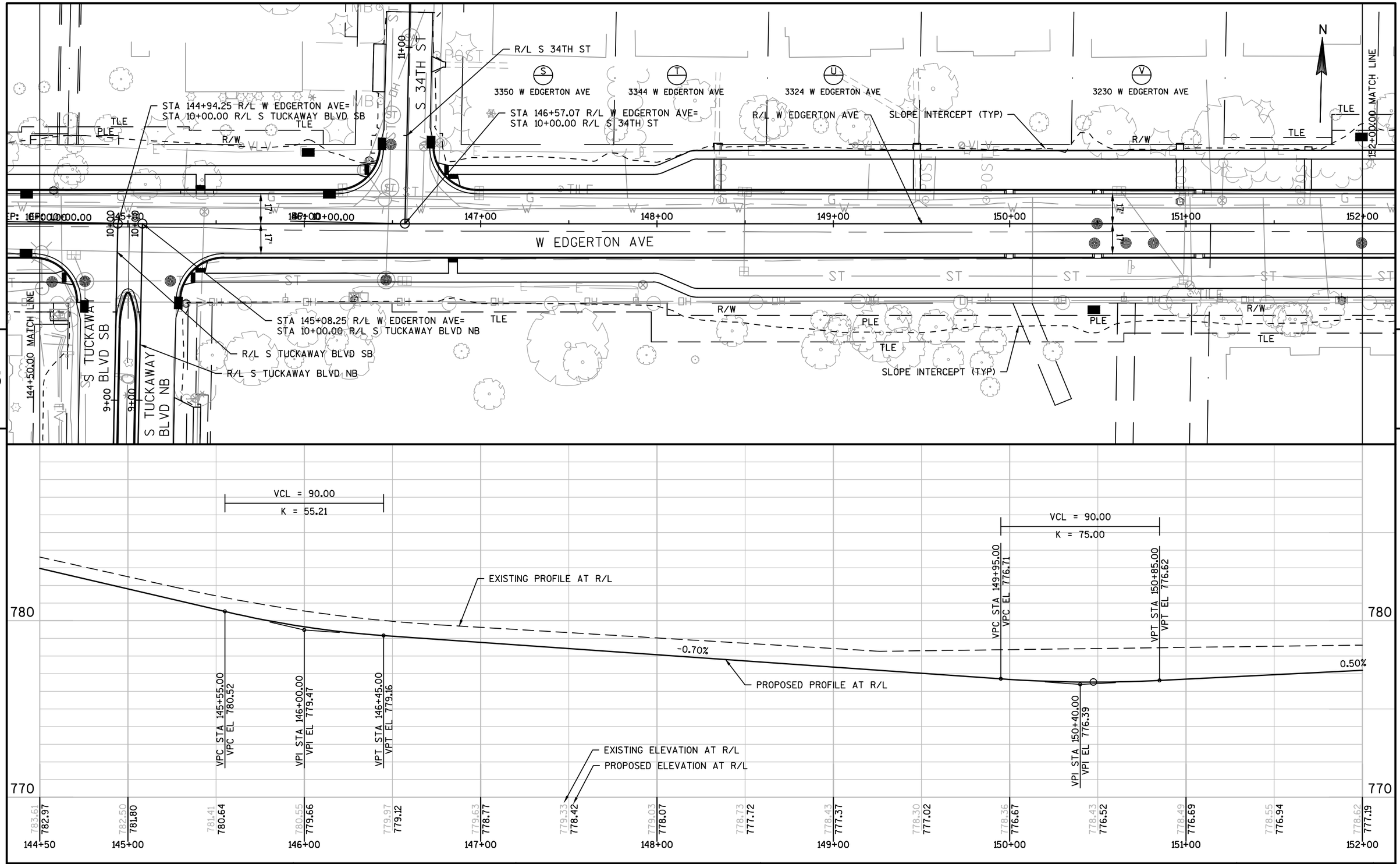
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 213	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050101_PP - 050106_PP
PLOT DATE : 10/28/2016 12:24 PM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1:50_XREF
WISDOT/CADDS SHEET 44





PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 214	E



PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 215	E

BENCHMARK TABLE			
BM #	STATION	ELEVATION	DESCRIPTION
1	156+17.84, 45.45'LT	776.35	SW BOLT OF HYDRANT IN NE QUAD OF 31ST & EDGERTON

N

152+00.00 MATCH LINE

153+50.00 MATCH LINE

PC: 159+50.00

W EDGERTON AVE

3124 W EDGERTON AVE

3020 W EDGERTON AVE

3010 W EDGERTON AVE

3015 W EDGERTON AVE

5104 S 31ST ST

S 31ST ST

R/L S 31ST ST

R/L W EDGERTON AVE

STA 155+97.87 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 31ST ST

STA 156+04.10 R/L W EDGERTON AVE=
STA 10+00.00 R/L S 31ST ST

PT: 10+93.77

PC: 10+20.18

EP: 10+00.00

BM 1

SLOPE INTERCEPT (TYP)

R/W

TLE

17'

152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00

9+00 10+00 11+00

VPC STA 153+05.00
VPC EL 777.72

VPI STA 153+50.00
VPI EL 777.942

VPT STA 153+95.00
VPT EL 777.49

VPC STA 158+05.00
VPC EL 773.39

VPI STA 158+50.00
VPI EL 772.94

VPT STA 158+95.00
VPT EL 772.72

EXISTING PROFILE AT R/L

PROPOSED PROFILE AT R/L

1.00%

VCL = 90.00
K = 60.00

VCL = 90.00
K = 180.00

EXISTING ELEVATION AT R/L

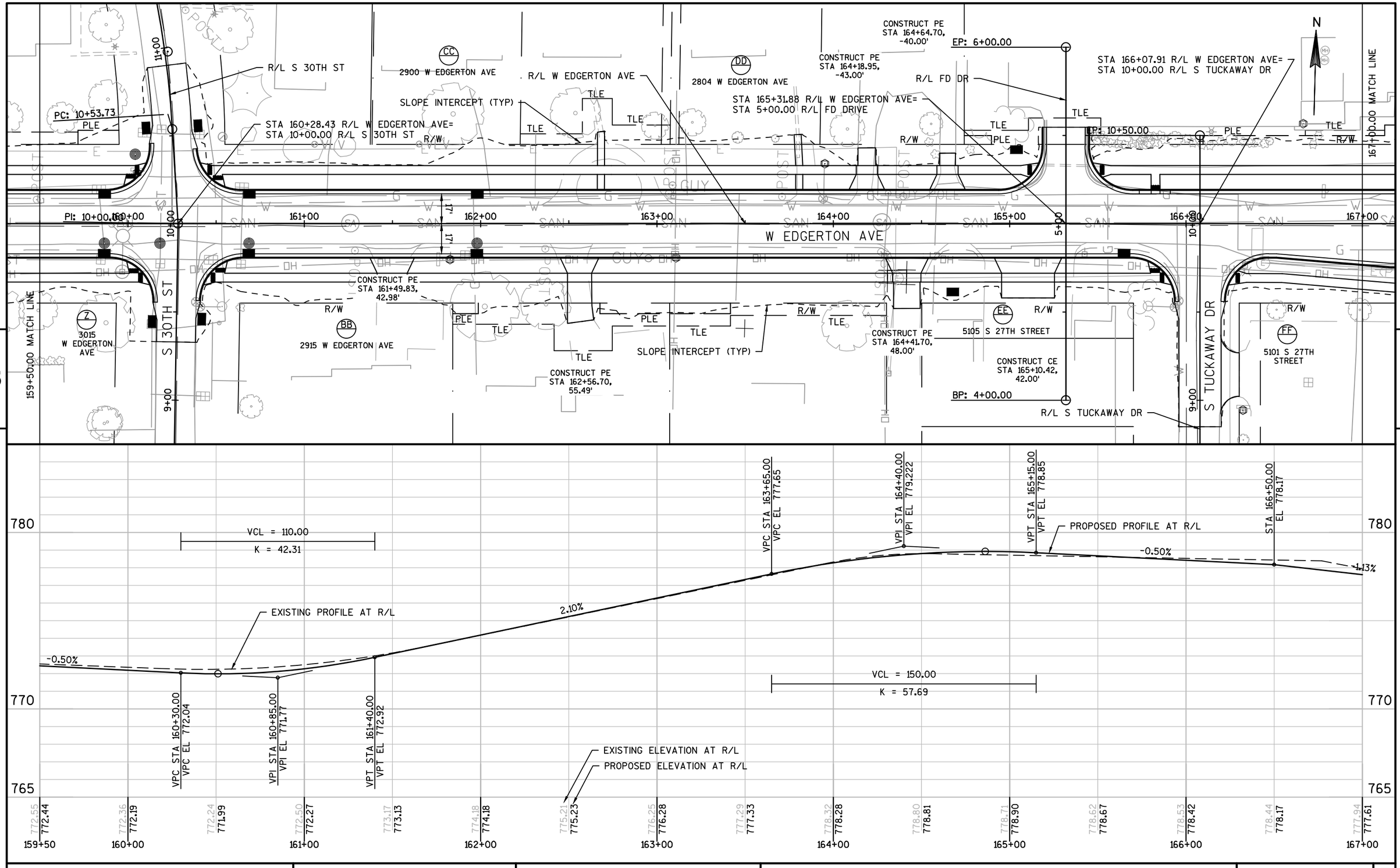
PROPOSED ELEVATION AT R/L

780	770	765

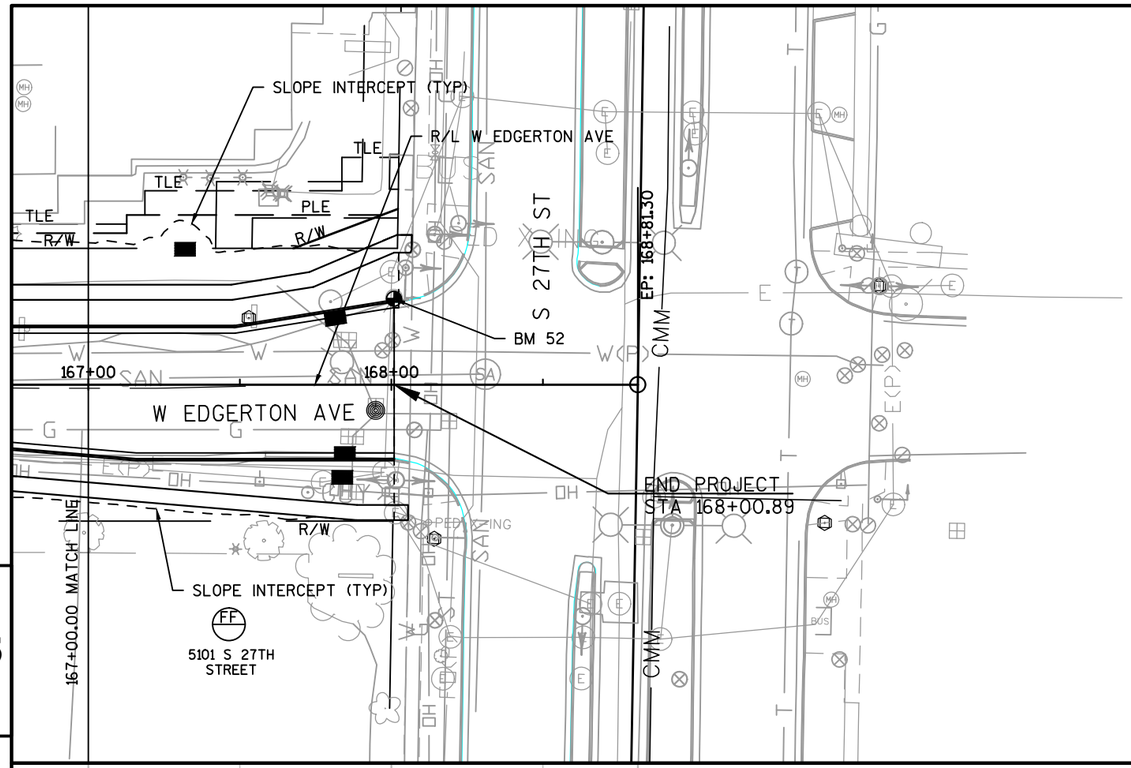
	152+00	153+00	154+00	155+00	156+00	157+00	158+00	159+00	159+50
EXISTING ELEVATION AT R/L	778.62	778.66	778.44	778.01	777.47	776.92	776.38	775.84	775.29	774.75	774.20	773.66	773.12	772.74	772.55
PROPOSED ELEVATION AT R/L	777.19	777.69	777.77	777.44	776.94	776.44	775.94	775.44	774.94	774.44	773.94	773.44	773.00	772.69	772.44

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 216	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\050101_PP.DWG
LAYOUT NAME - 050101_PP - 050109_PP
PLOT DATE : 10/28/2016 12:24 PM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1:50_XREF
WISDOT/CADDS SHEET 44

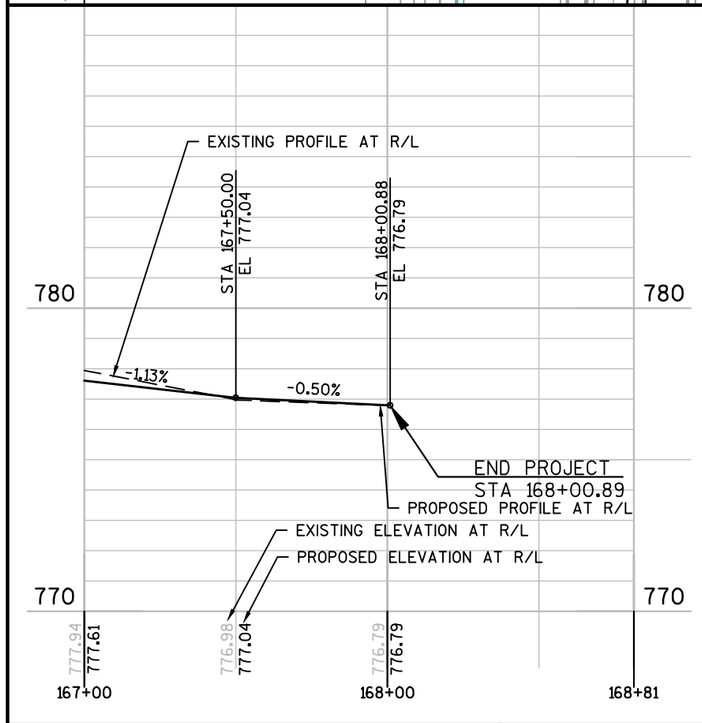


PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: W EDGERTON AVE	SHEET 217	E

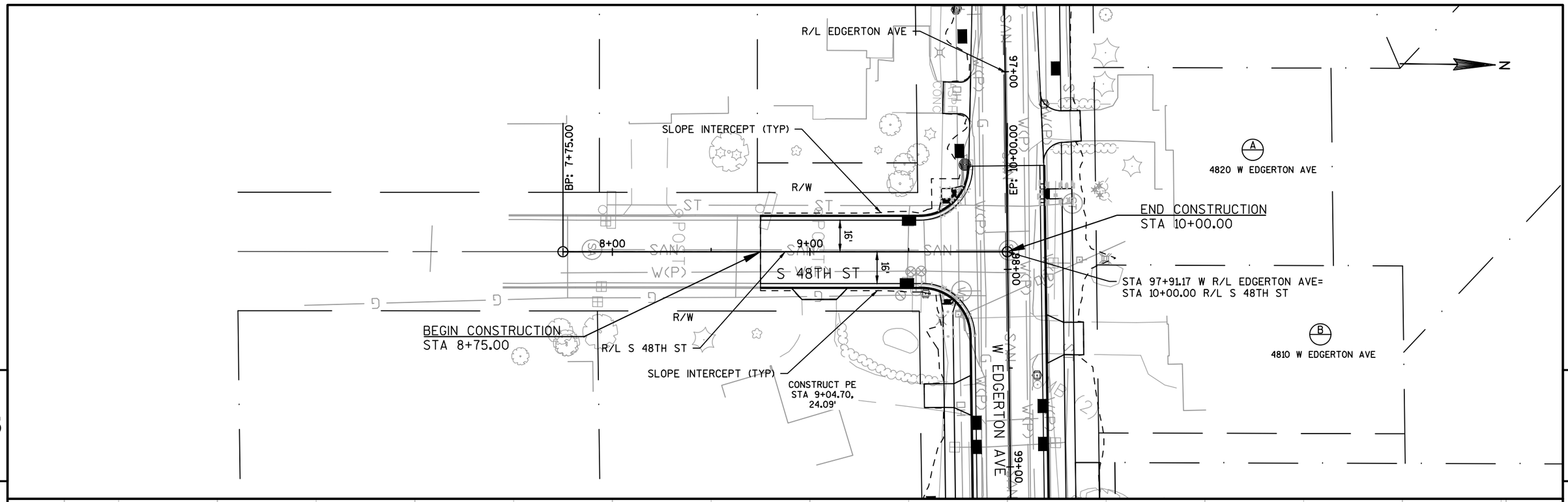


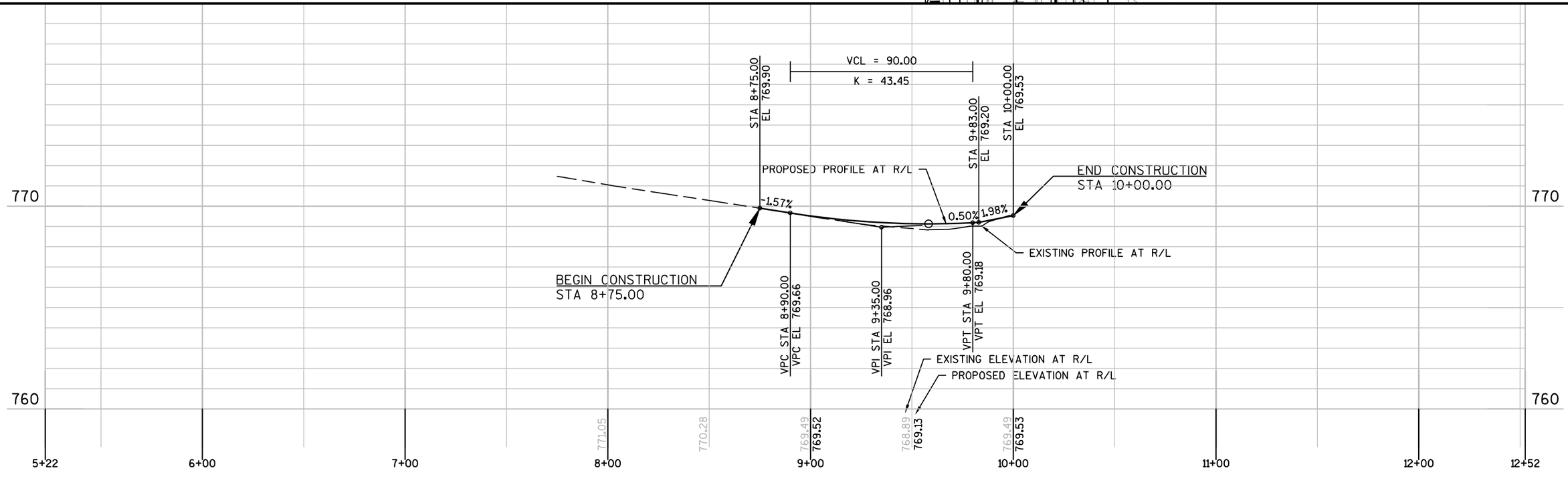
BENCHMARK TABLE			
BM #	STATION	ELEVATION	DESCRIPTION
52	168+00.91, 28.34'LT	777.72	CHZ "X" TOP NOZZLE OF HYDRANT @ NW QUAD OF 27TH & EDGERTON

N

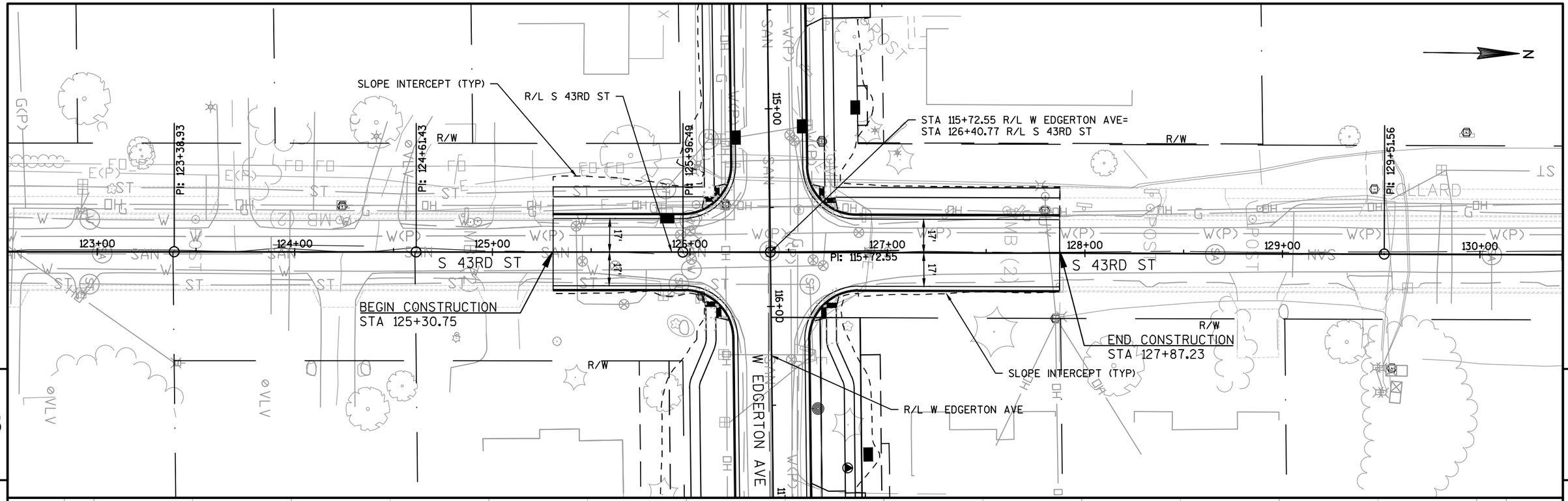


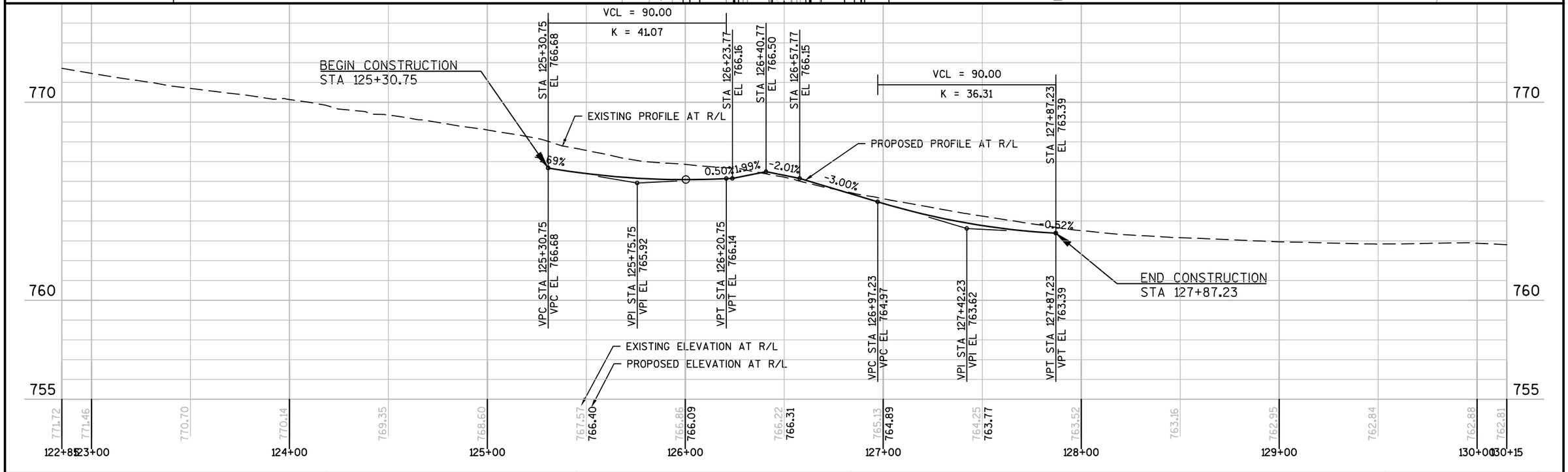
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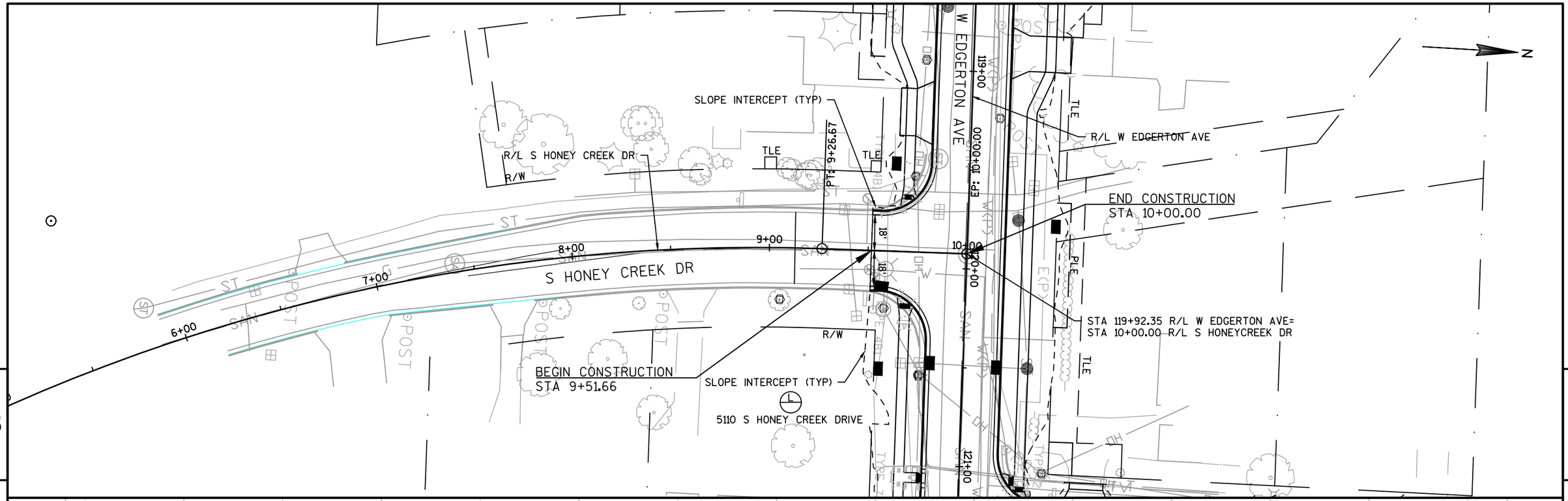
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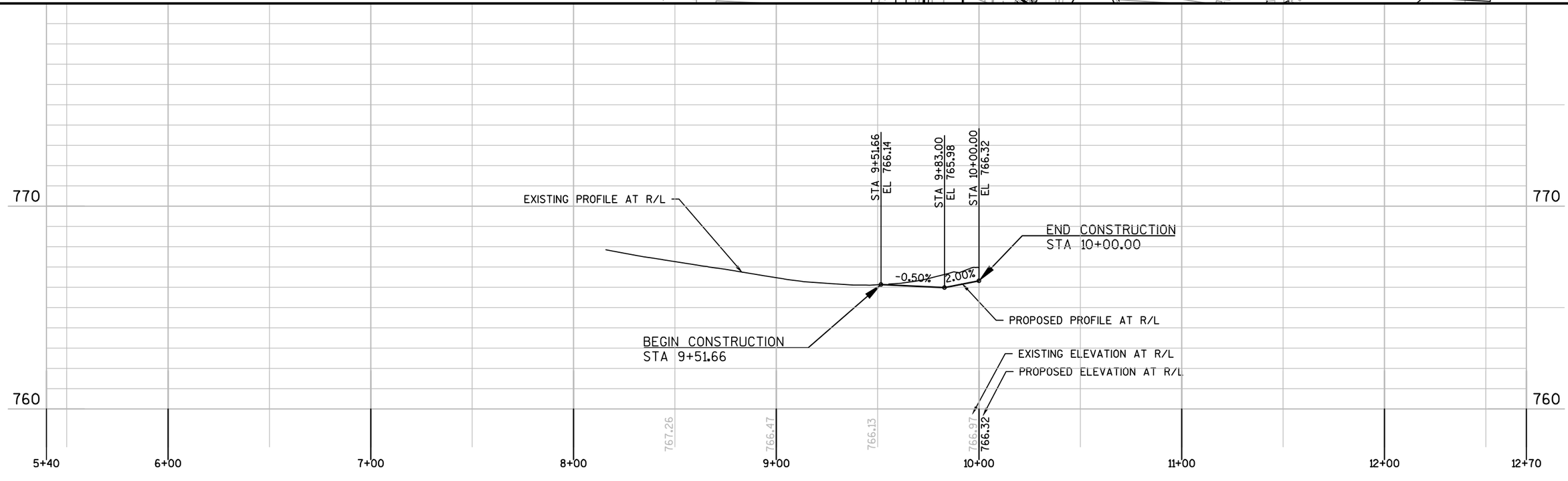




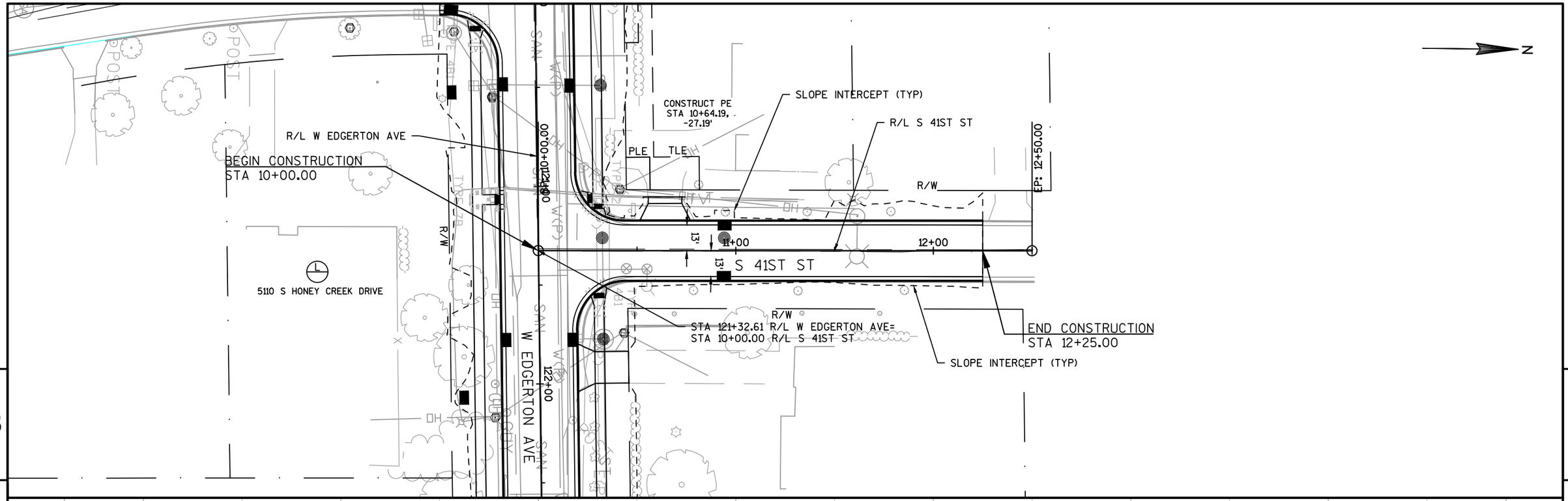
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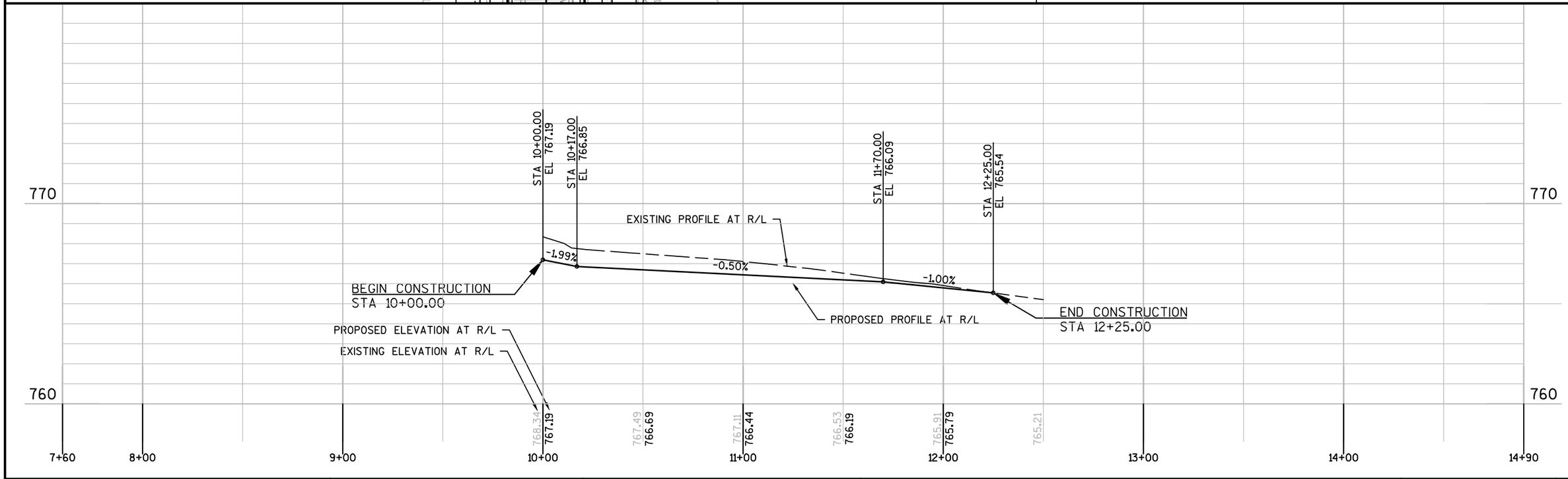
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LAYOUT NAME - 050113_PP - 050113_PP
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WISDOT/CADDS SHEET 44





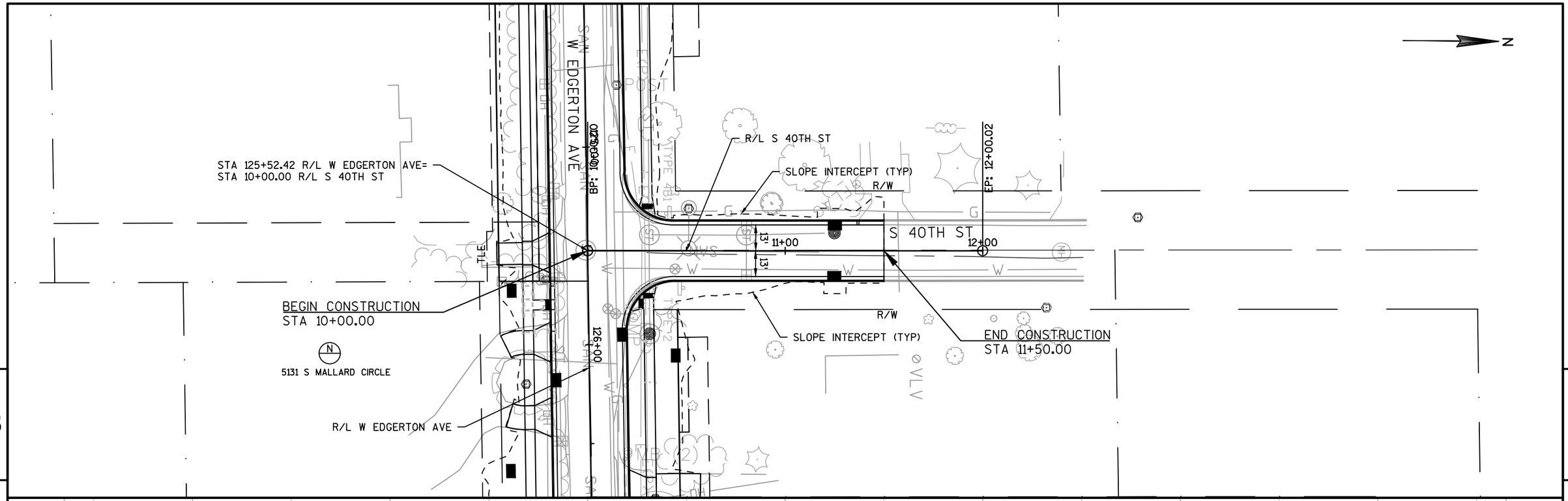
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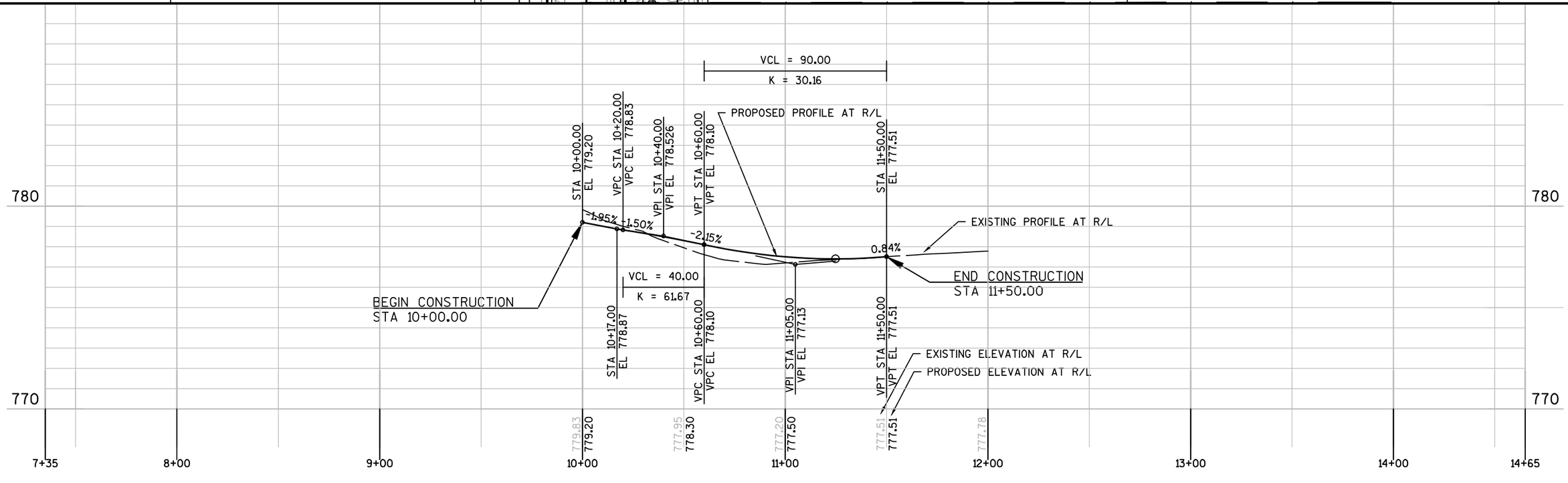




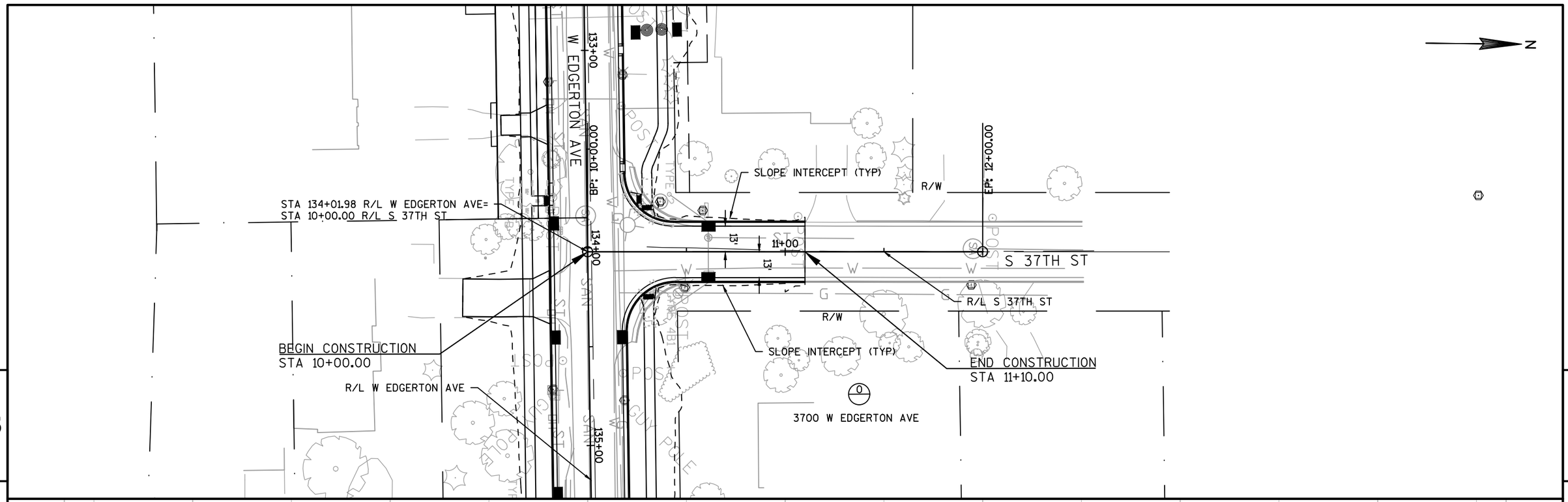
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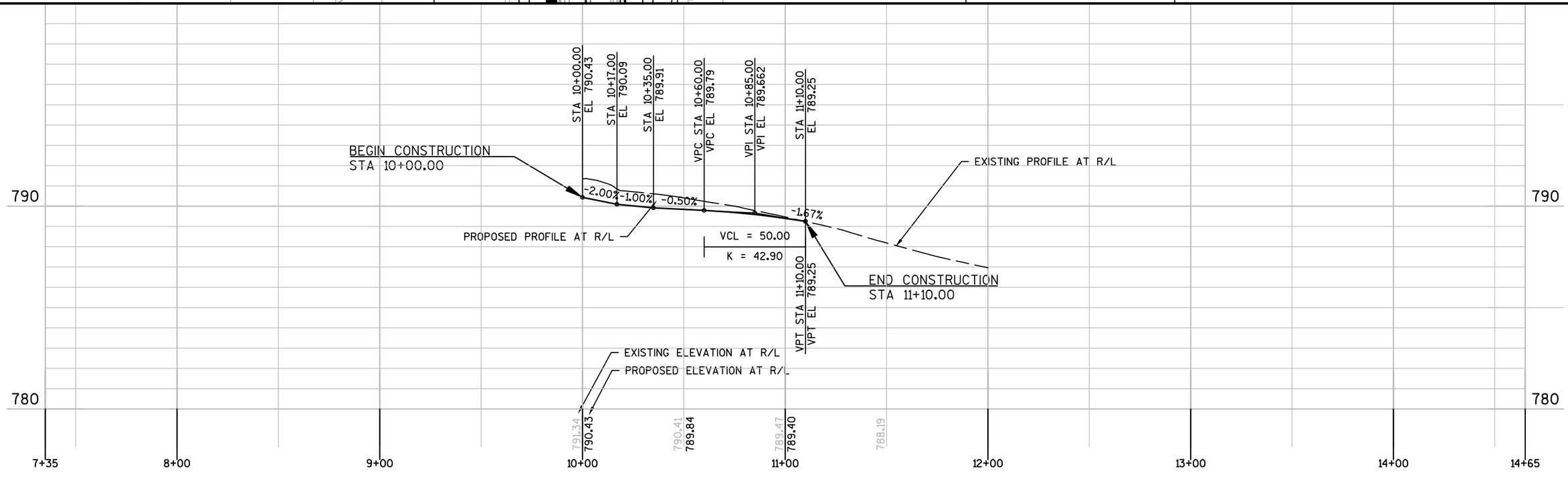
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LAYOUT NAME - 050115_PP - 050115_PP
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WISDOT/CADDS SHEET 44



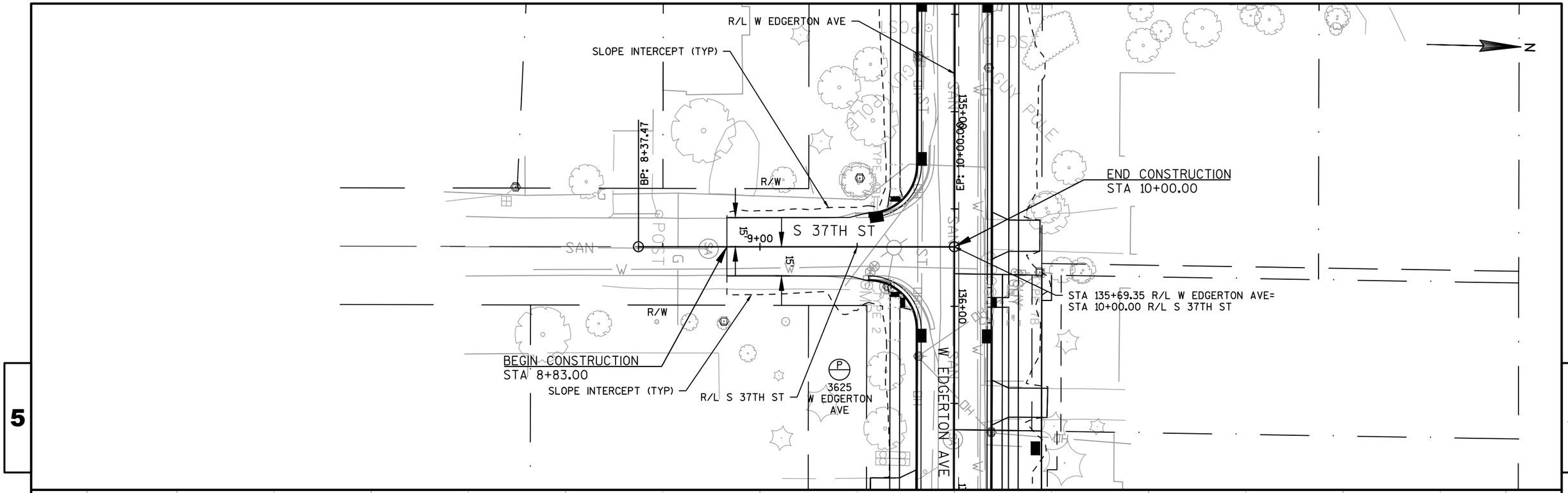


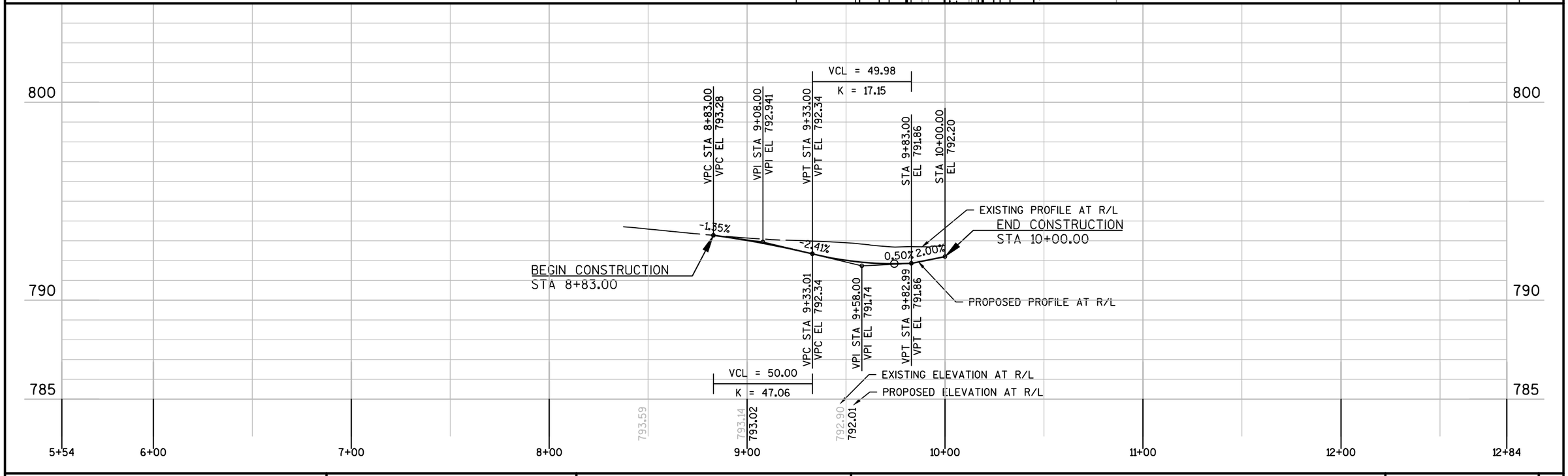
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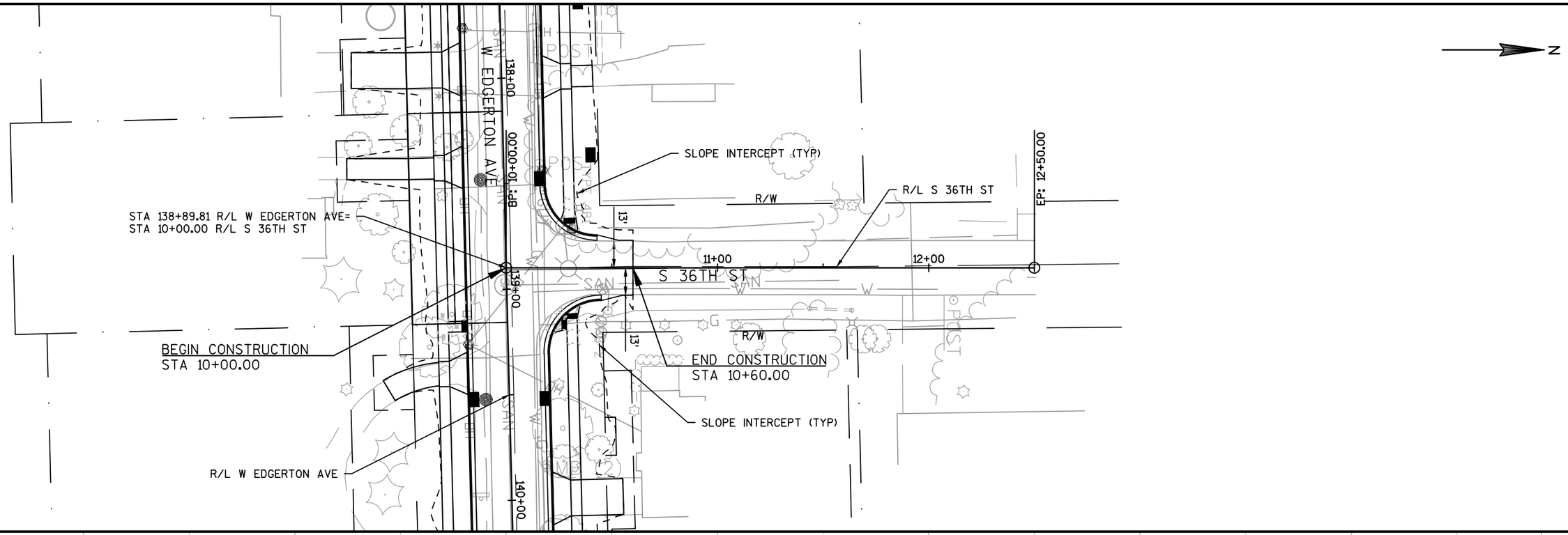


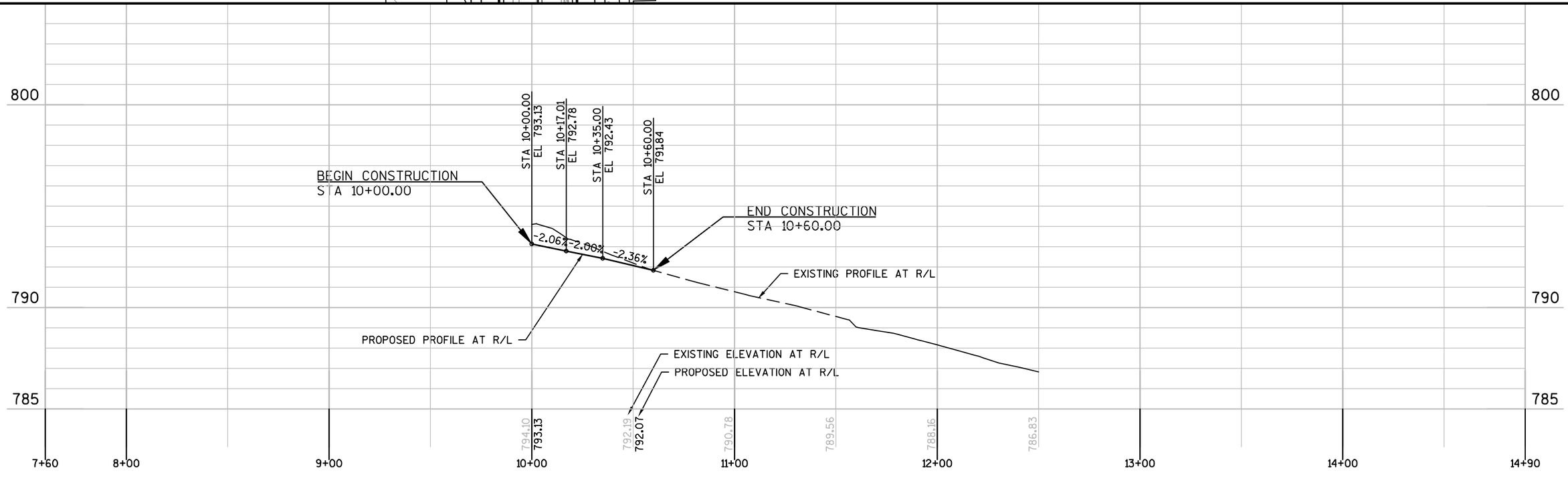
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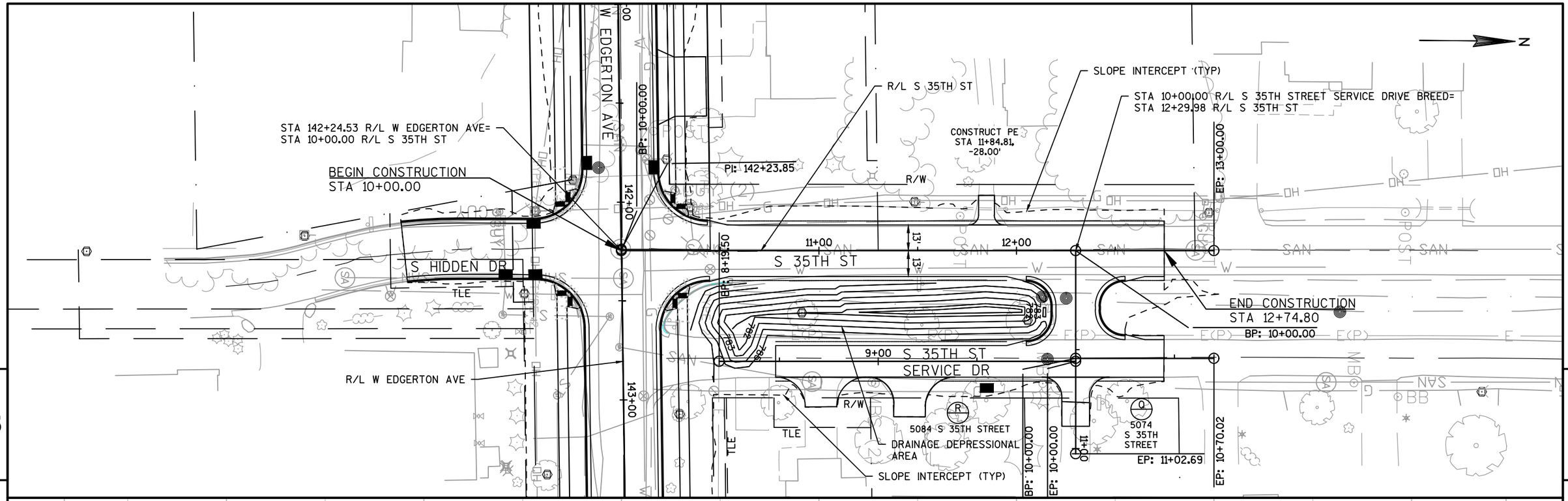
PROJECT NO: 2980-00-00	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S 37TH STREET (SOUTH)	SHEET 225	E

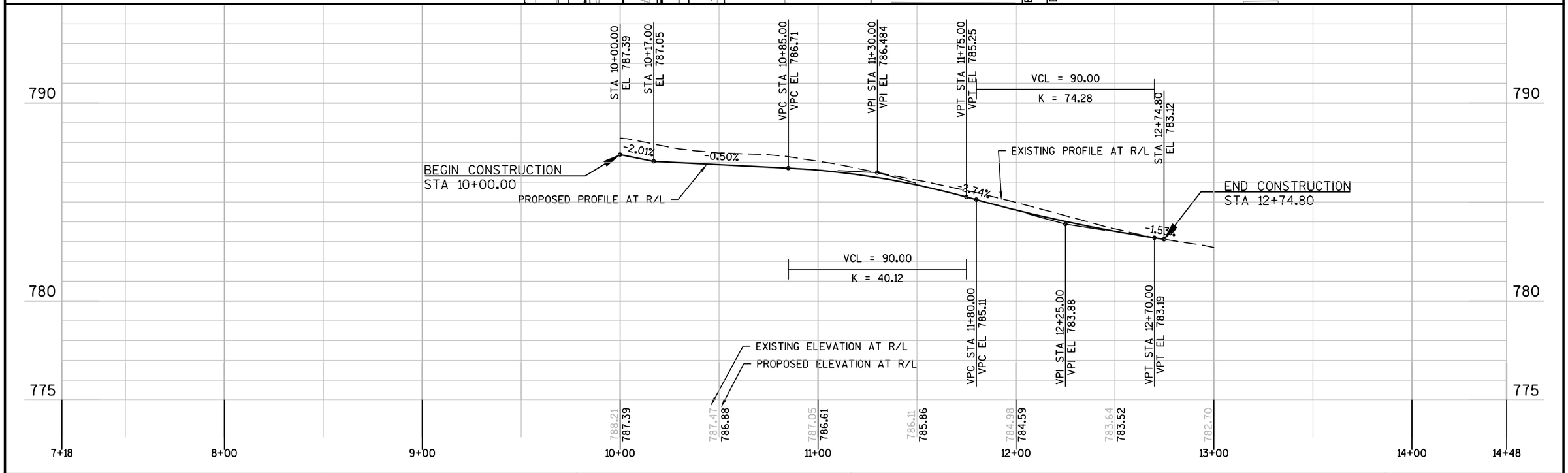




PROJECT NO: 2980-00-00	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S 36TH STREET	SHEET 226	E

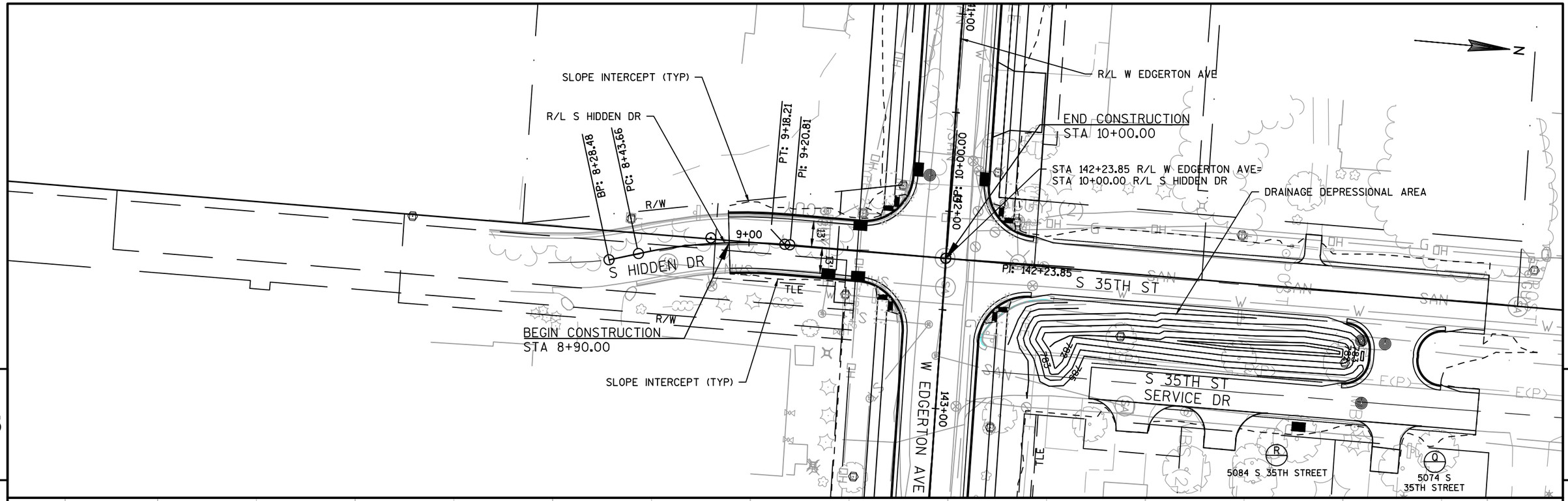
FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\050120_PP.DWG
LAYOUT NAME - 050120_PP - 050120_PP
PLOT DATE : 10/28/2016 12:37 PM PLOT BY : WALTER A. WOLAK II PLOT NAME :
PLOT SCALE : 1" = 50'_XREF
WISDOT/CADDS SHEET 44

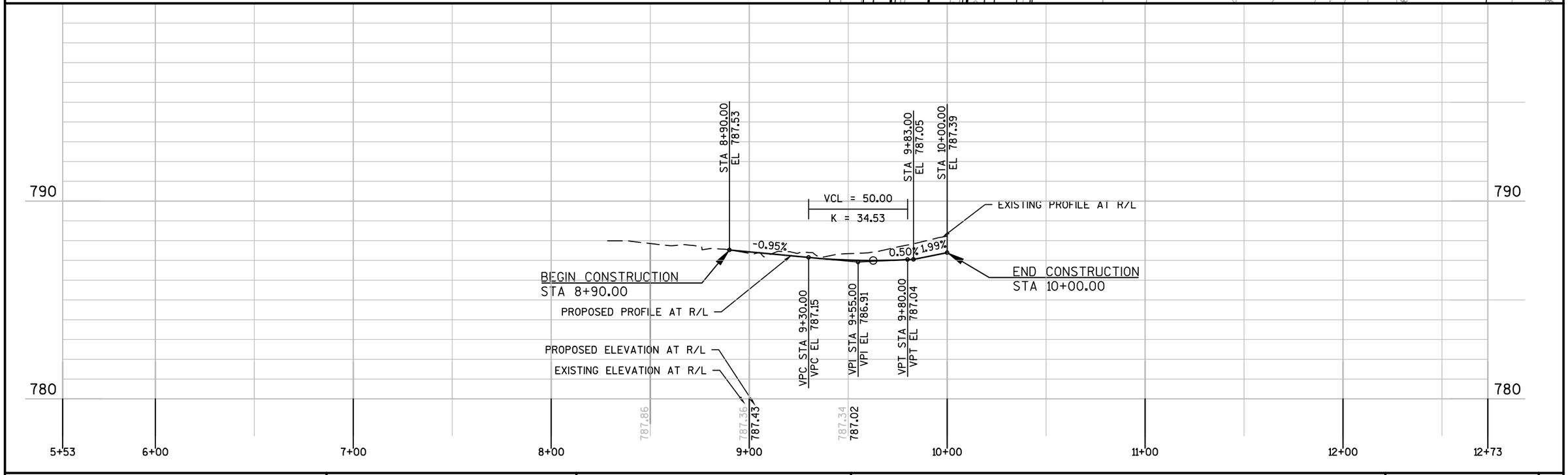




PROJECT NO: 2980-00-00	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S 35TH STREET	SHEET 227	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\050121_PP.DWG
LAYOUT NAME - 050121_PP - 050121_PP
PLOT DATE : 10/28/2016 12:38 PM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1:50_XREF
WISDOT/CADDS SHEET 44





PROJECT NO: 2980-00-00	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S HIDDEN DRIVE	SHEET 228	E

R/L W EDGERTON AVE

DRAINAGE DEPRESSIONAL AREA
SLOPE INTERCEPT (TYP)

S HIDDEN DR

S 35TH ST

SERVICE DR

W EDGERTON AVE

142+00

143+00

144+00

11+00

12+00

9+00

PI: 142+23.85

BP: 10+00.00

EP: 10+70.02

BP: 10+00.00

EP: 13+00.0

BP: 8+19.50

EP: 10+00.00

EP: 11+02.69

END CONSTRUCTION
STA 10+00.00

STA 10+55.97 R/L S 35TH STREET SERVICE DRIVE BREED=
STA 10+00.00 R/L S 35TH ST SERVICE DRIVE SOUTH

5084 S 35TH STREET

5074
S 35TH
STREET

TLE

R/L S 35TH ST
SERVICE DRIVE SOUTH

BEGIN CONSTRUCTION
STA 8+48.05

CONSTRUCT PE
STA 8+71.05,
23.00'

CONSTRUCT PE
STA 9+15.85,
28.00'

SLOPE INTERCEPT (TYP)

N

5

5

790

780

775

STA 8+48.05
EL 785.81

STA 10+00.00
EL 783.45

STA 9+90.00
EL 783.25

BEGIN CONSTRUCTION
STA 8+48.05

EXISTING PROFILE AT R/L

-1.81%

2.00%

END CONSTRUCTION
STA 10+00.00

PROPOSED PROFILE AT R/L

EXISTING ELEVATION AT R/L

PROPOSED ELEVATION AT R/L

785.77
785.78

784.95
784.88

784.06
783.97

5+45

6+00

7+00

8+00

9+00

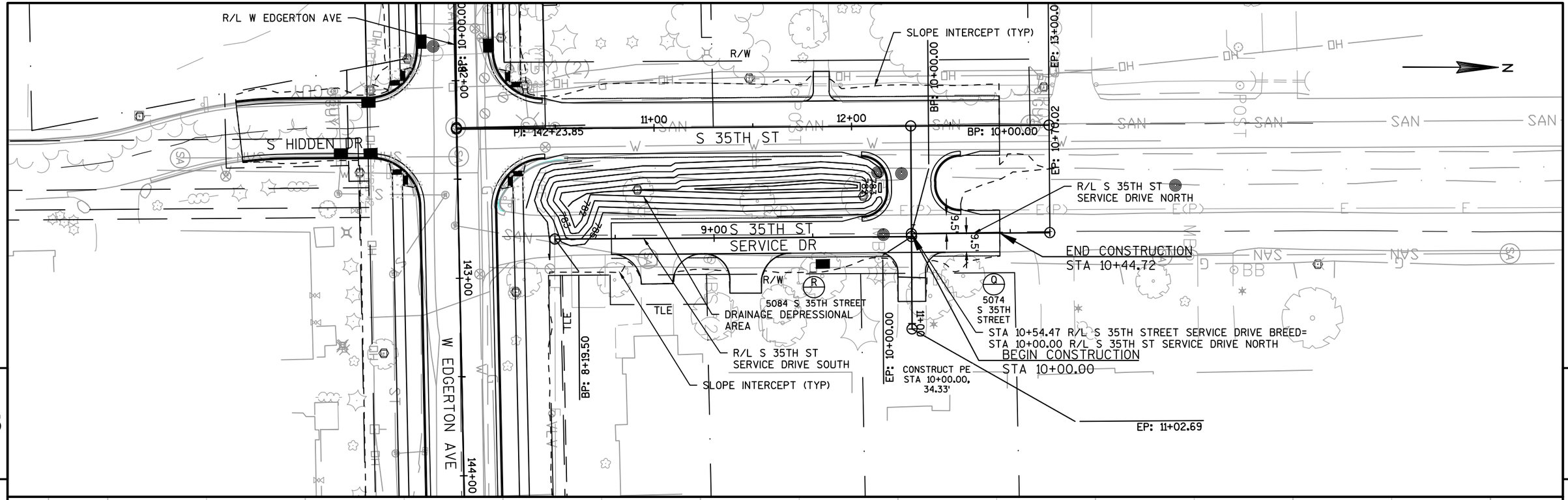
10+00

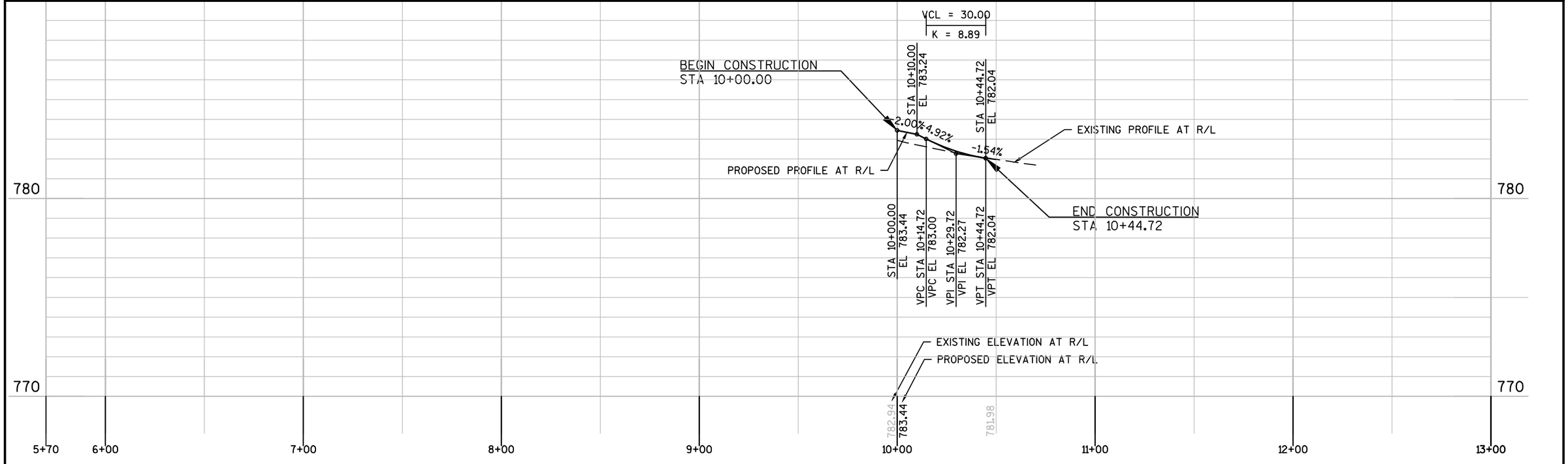
11+00

12+00

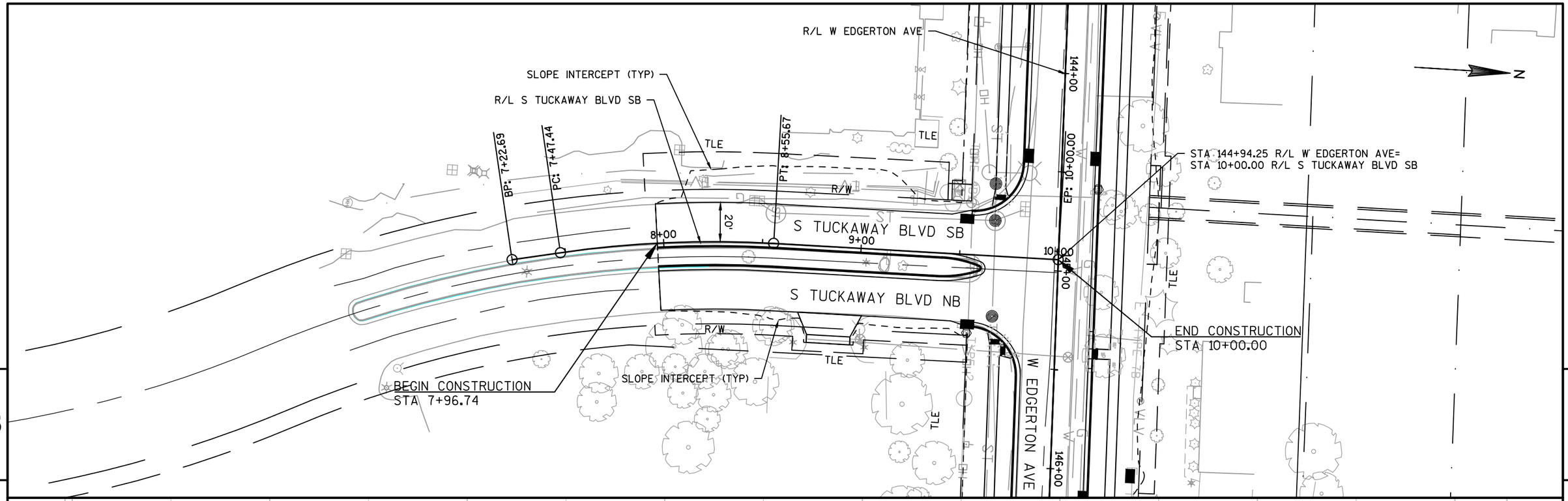
12+75

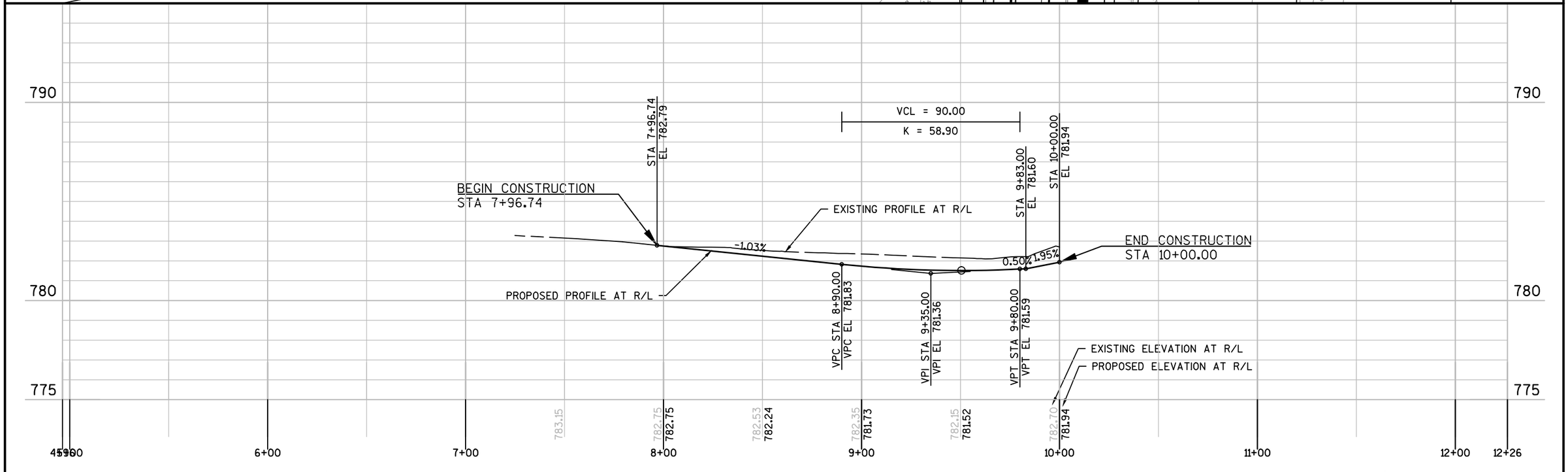
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S 35TH STREET SERVICE DRIVE SOUTH	SHEET 229	E



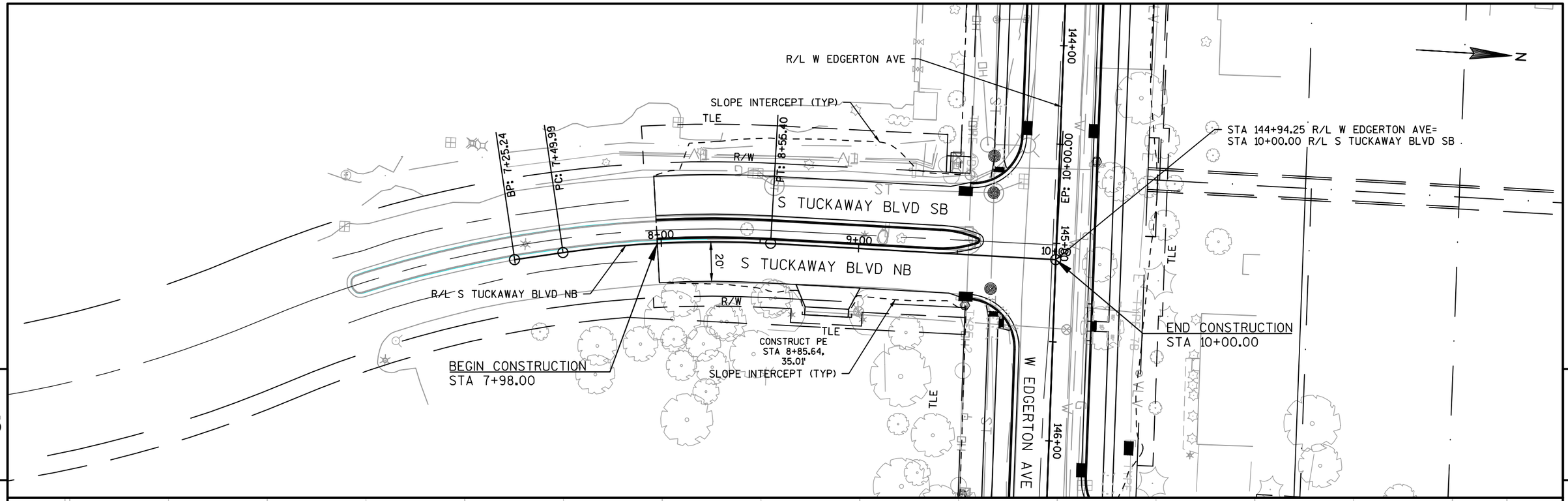


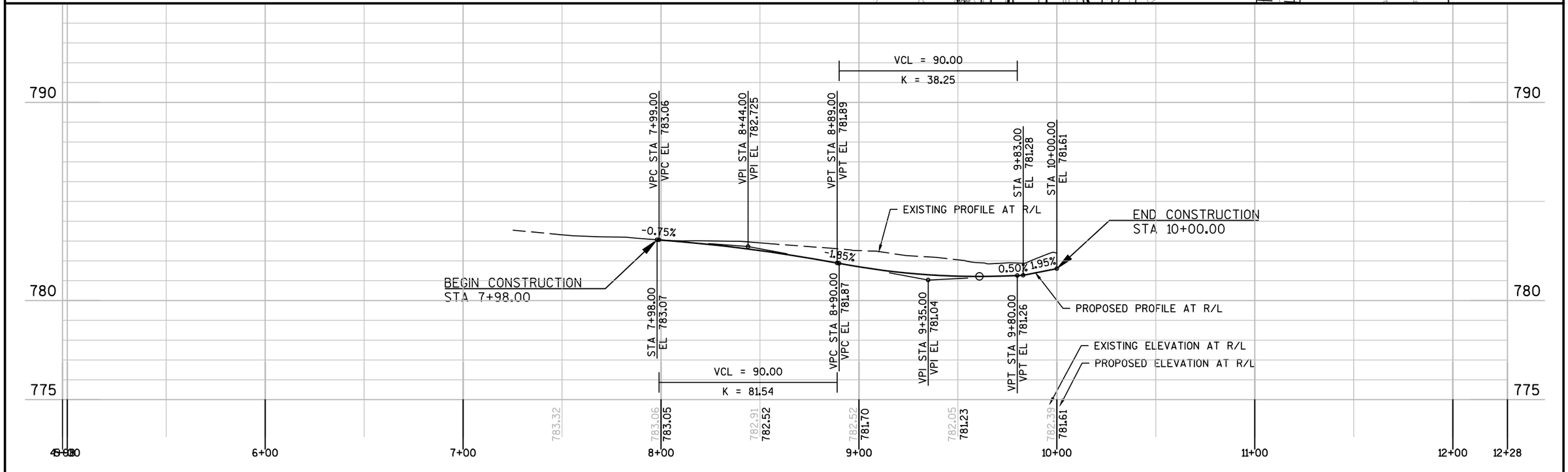
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S 35TH STREET SERVICE DRIVE NORTH	SHEET 230	E



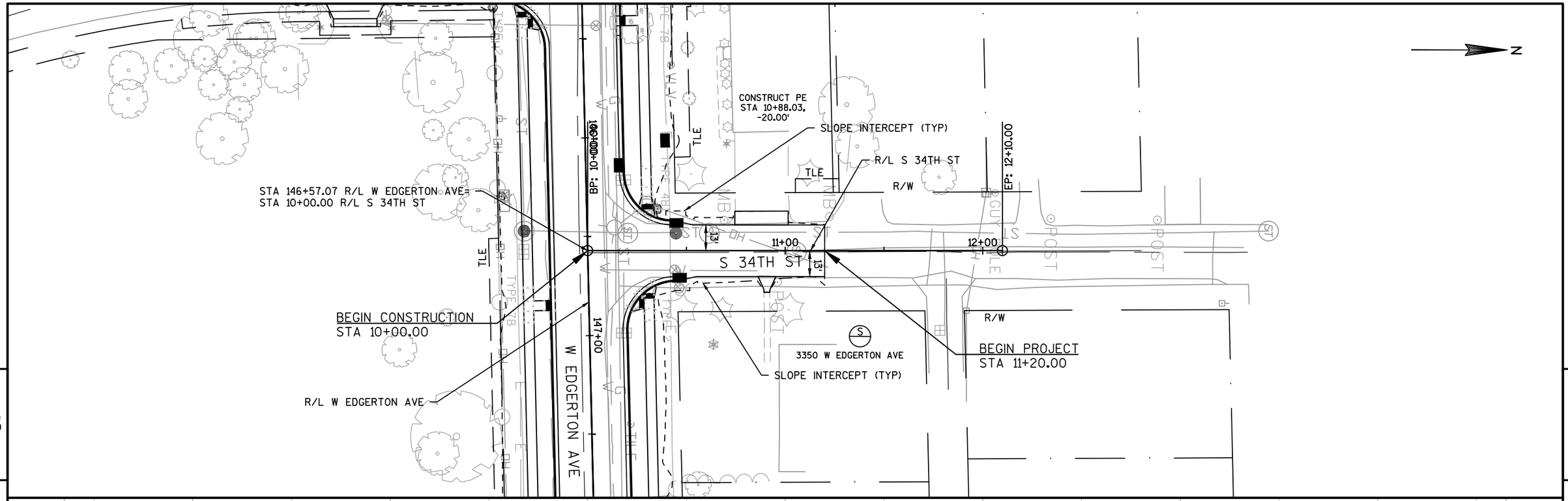


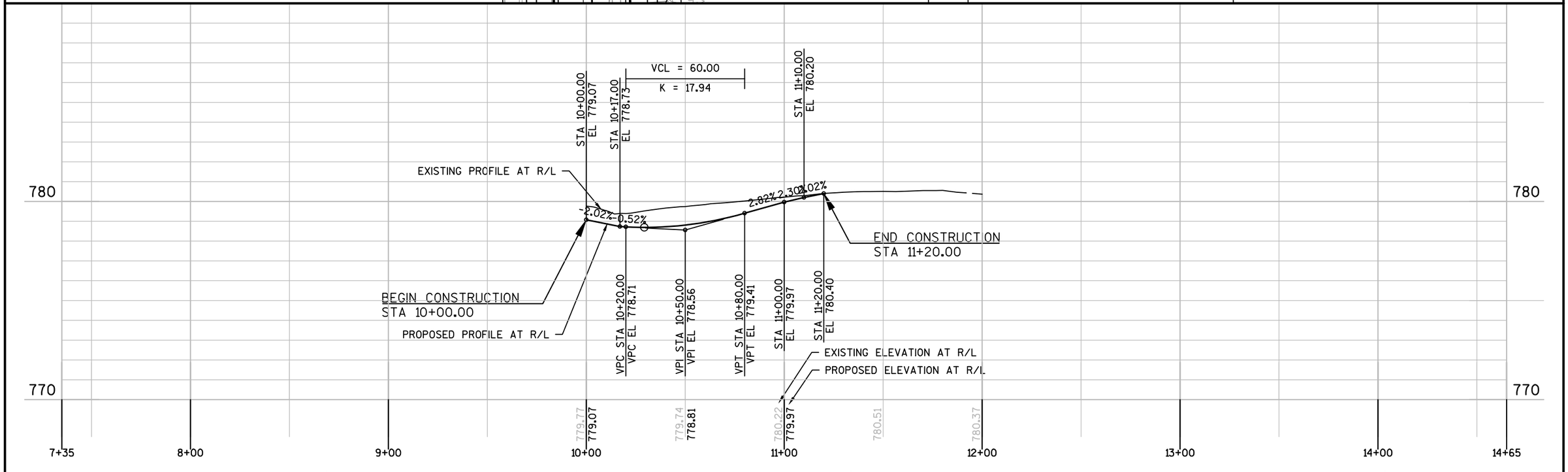
PROJECT NO: 2980-00-00	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S TUCKAWAY BLVD (SB)	SHEET 231	E



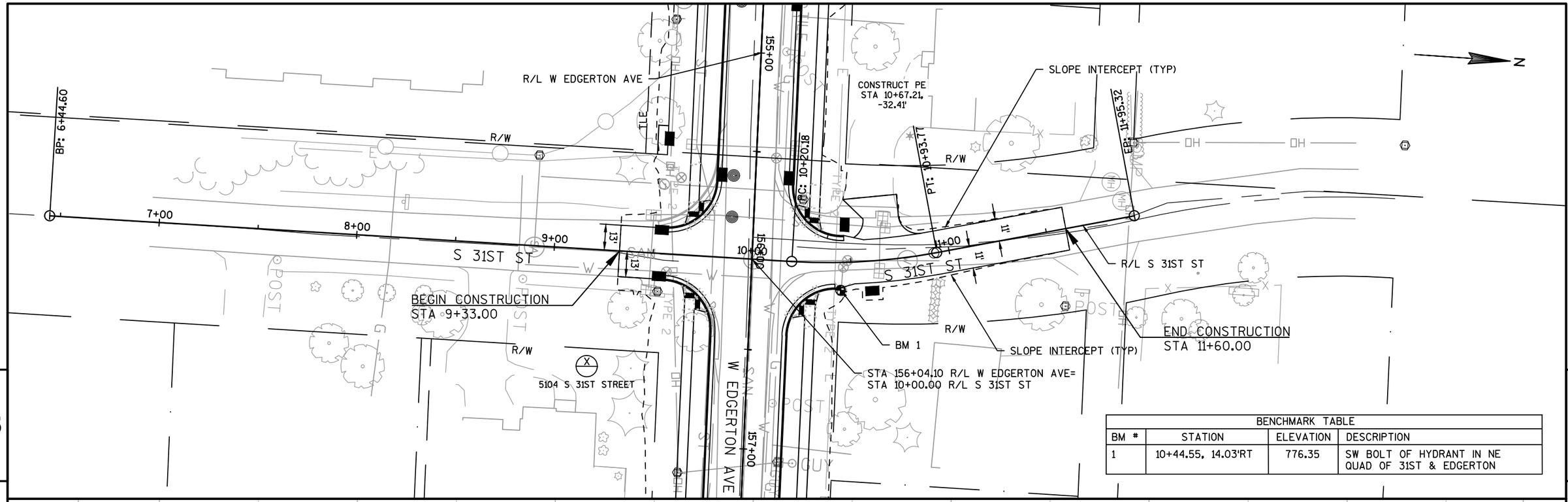


PROJECT NO: 2980-00-00	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S TUCKAWAY BLVD (NB)	SHEET 232	E

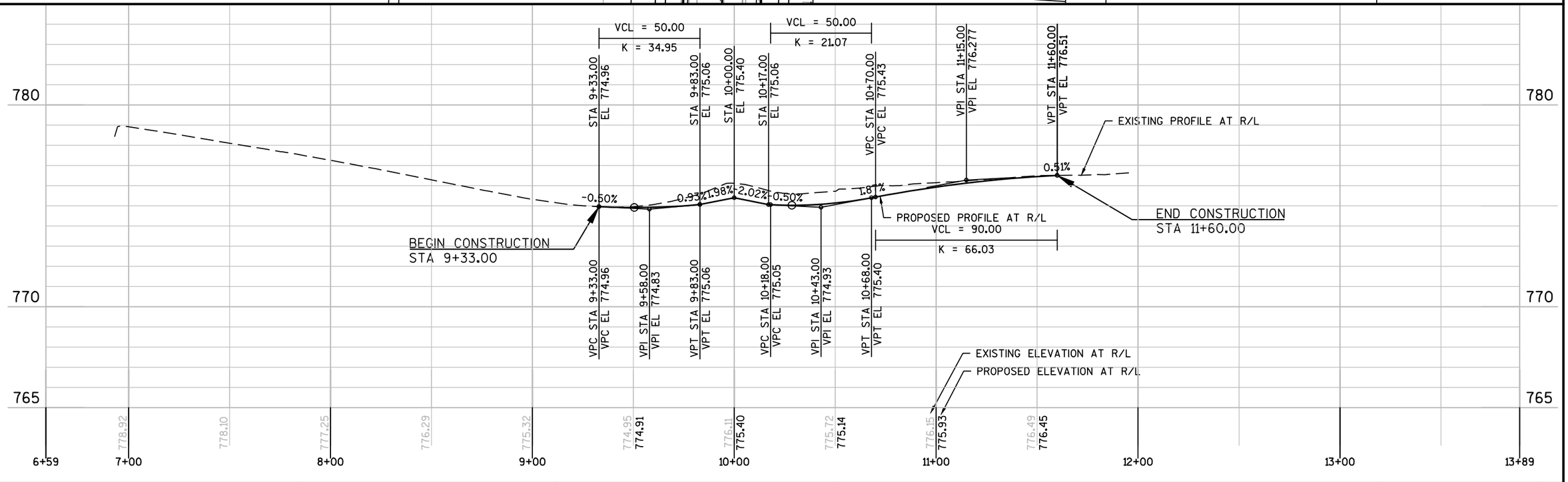




PROJECT NO: 2980-00-00	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S 34TH STREET	SHEET 233	E



BENCHMARK TABLE			
BM #	STATION	ELEVATION	DESCRIPTION
1	10+44.55, 14.03'RT	776.35	SW BOLT OF HYDRANT IN NE QUAD OF 31ST & EDGERTON



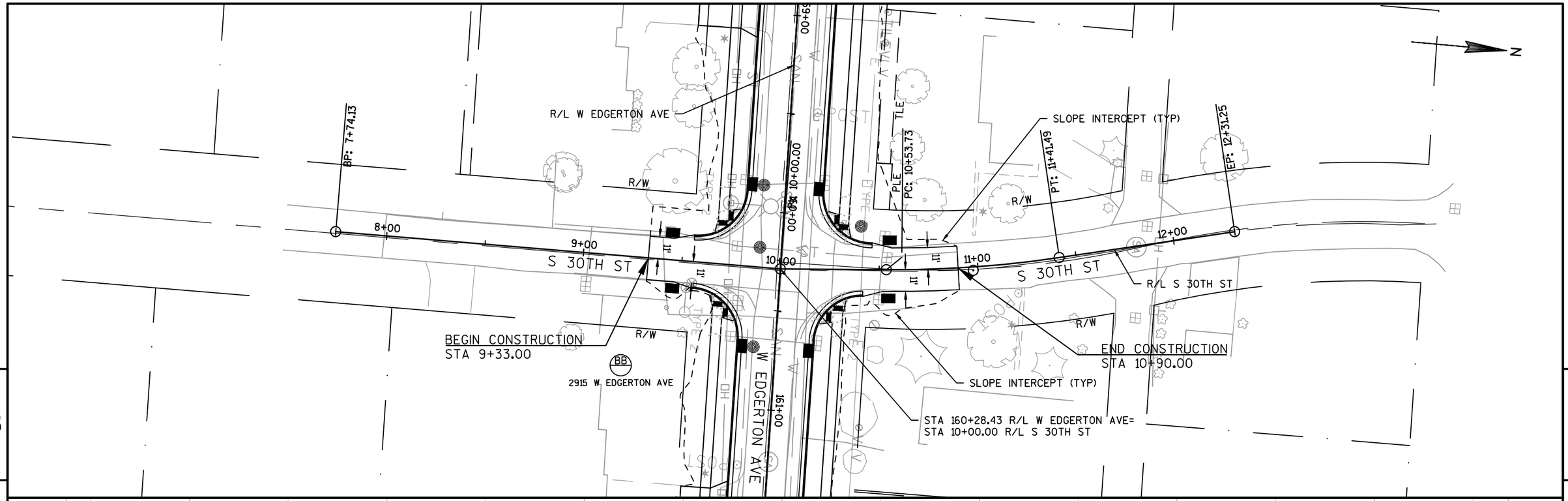
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S 31ST STREET	SHEET 234 E

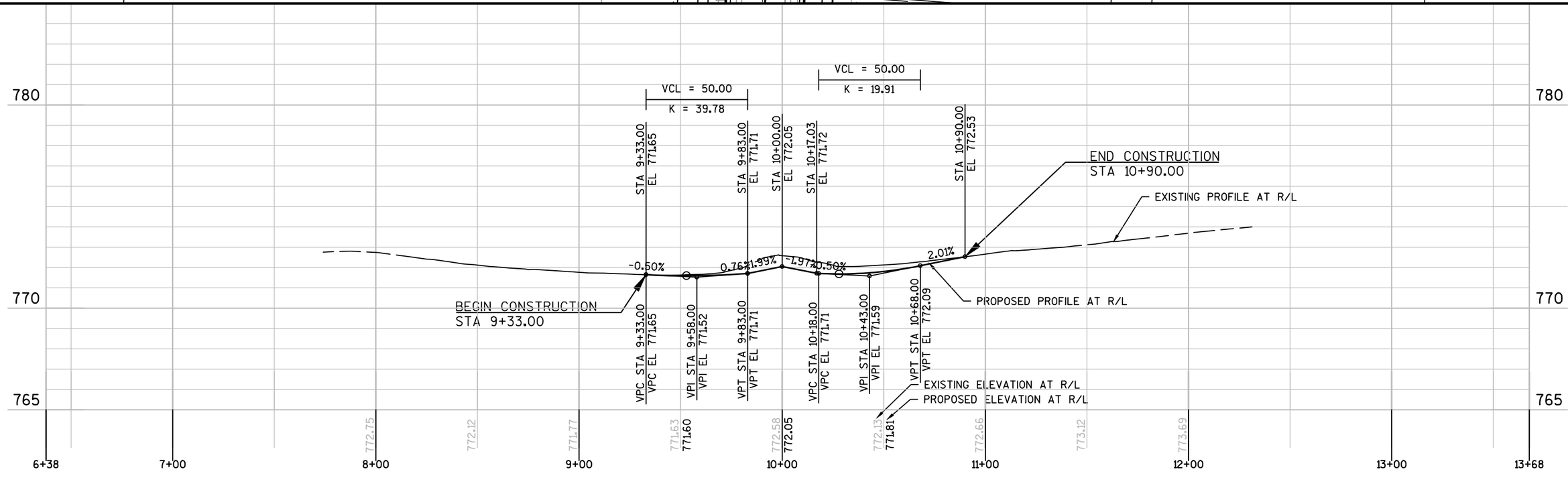
FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\050127_PP.DWG
LAYOUT NAME - 050127_PP

PLOT DATE : 10/28/2016 12:49 PM PLOT BY : WALTER A. WOLAK II PLOT NAME :

PLOT SCALE : 1 IN:50 FT

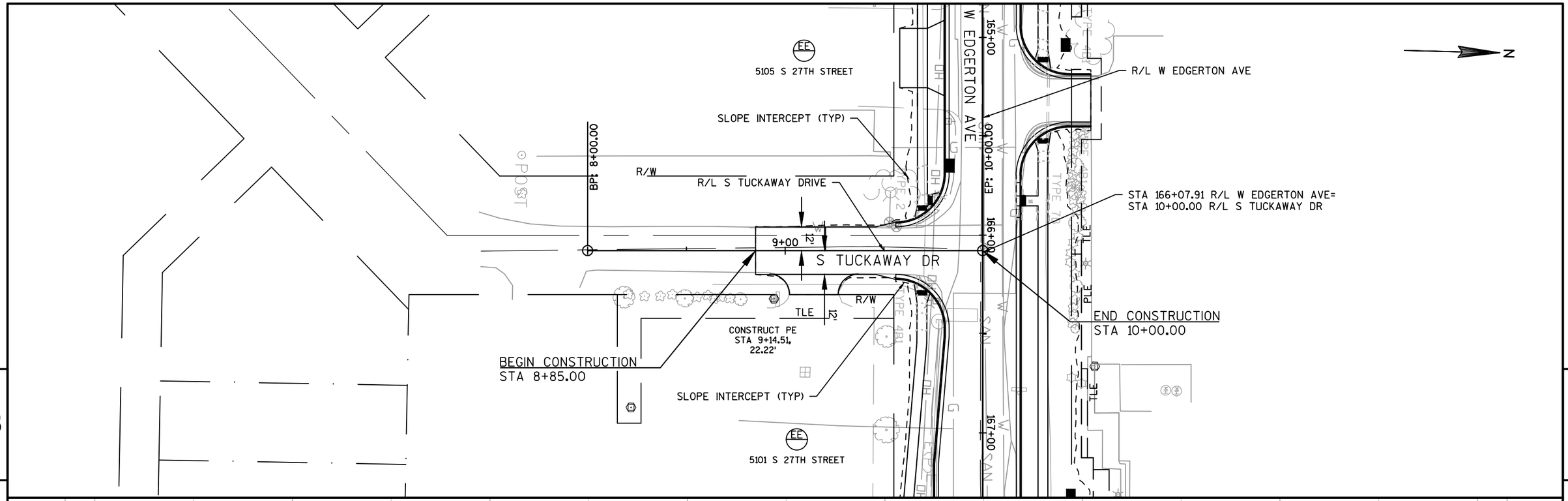
WISDOT/CADDS SHEET 44

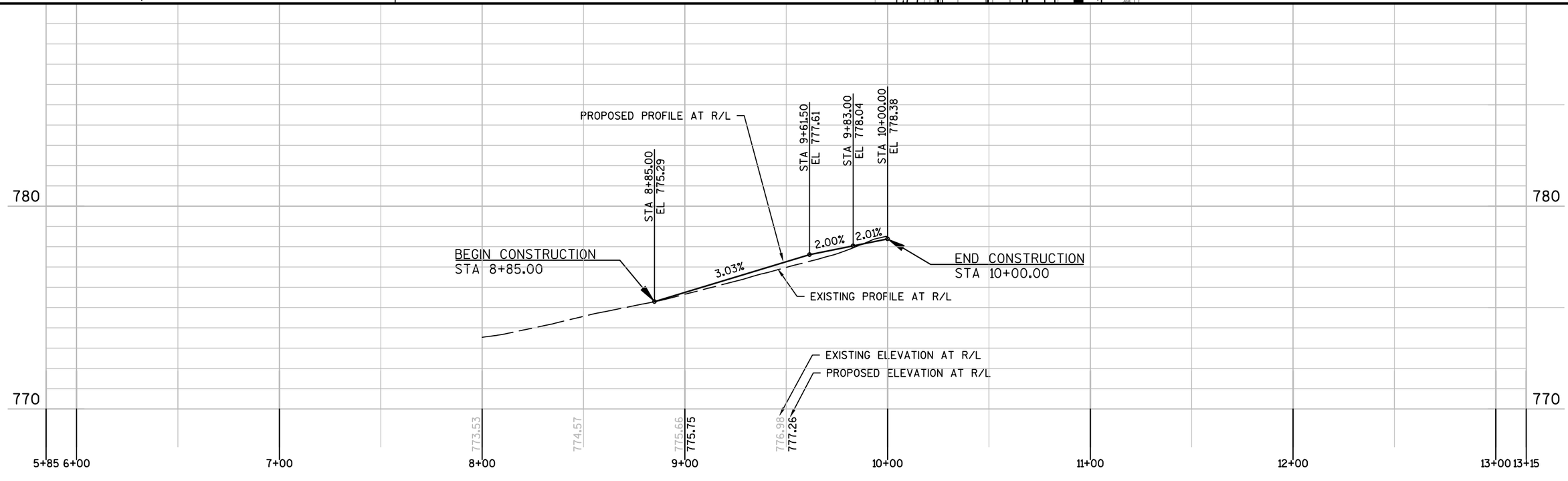




PROJECT NO: 2980-00-00	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S 30TH STREET	SHEET 235	E

FILE NAME : S:\MILW_CO\GREENFIELD\GOV\29800000\SHEETSPLAN\050129_PP.DWG
LAYOUT NAME - 050129_PP - 050129_PP
PLOT DATE : 10/28/2016 12:50 PM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1:50_XREF
WISDOT/CADDS SHEET 44





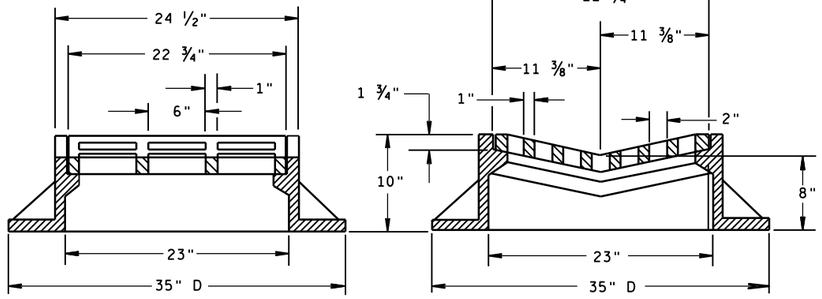
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	PLAN AND PROFILE: S TUCKAWAY DR	SHEET 236	E

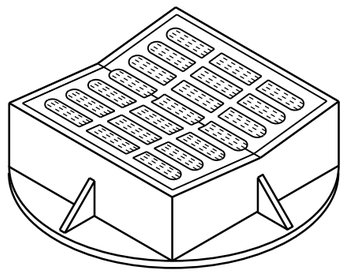
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LAYOUT NAME - 050130 - (1)
PLOT DATE : 10/28/2016 12:52 PM PLOT BY : WALTER A. WOLAK II PLOT NAME : PLOT SCALE : 1 IN:50 FT
WISDOT/CADDS SHEET 44

Standard Detail Drawing List

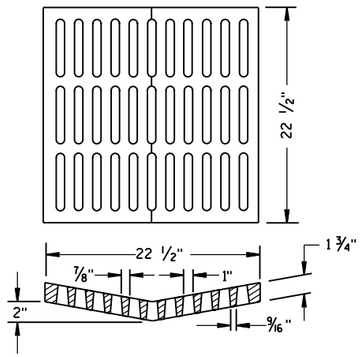
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D05-18A	CURB RAMPS TYPES 1 AND 1-A
08D05-18B	CURB RAMPS TYPES 2 AND 3
08D05-18C	CURB RAMPS TYPES 4A AND 4A1
08D05-18D	CURB RAMPS TYPE 4B AND 4B1
08D05-18E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D16-10	CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES
08D17-06	MANHOLES, MANHOLE & INLET COVERS
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
09B02-09	CONDUIT
09B04-11	PULL BOX
09C02-07	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C14-02	CONCRETE CONTROL CABINET BASE, TYPE L
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D05-01	L30 LIGHTING CONTROL CABINET 240/480 VOLT
09E01-14D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E03-05	NON-FREEWAY LIGHTING UNIT POLE WIRING
09F08-04	LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-06A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-06B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C03-03	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C07-13B	PAVEMENT MARKING WORDS
15C07-13C	PAVEMENT MARKING ARROWS
15C07-13E	PAVEMENT MARKING FOR BIKE LANES
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C29-04A	BICYCLE LANE MARKING
15C33-02	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D38-01A	TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS
15D38-01B	ATTACHMENT OF SIGNS TO POSTS
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

6



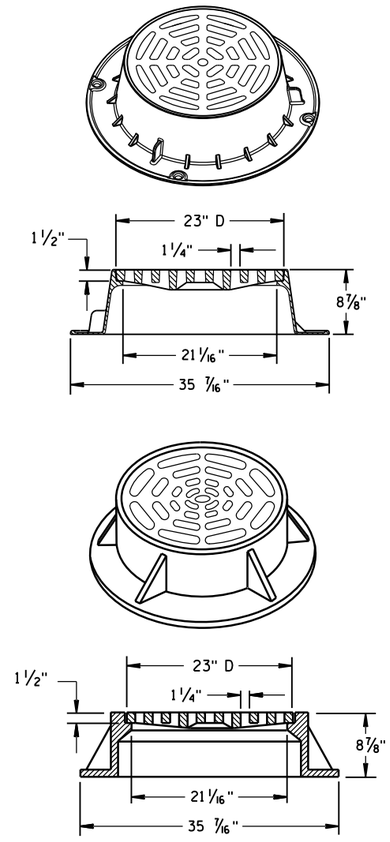


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

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



TYPE "C"

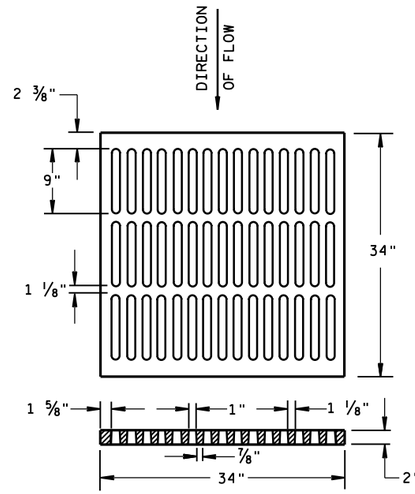
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

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

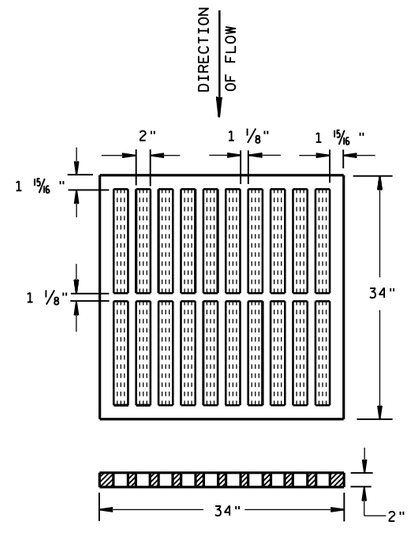
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

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



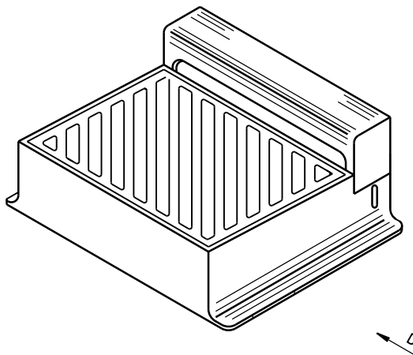
ALTERNATIVE TYPE "MS"

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

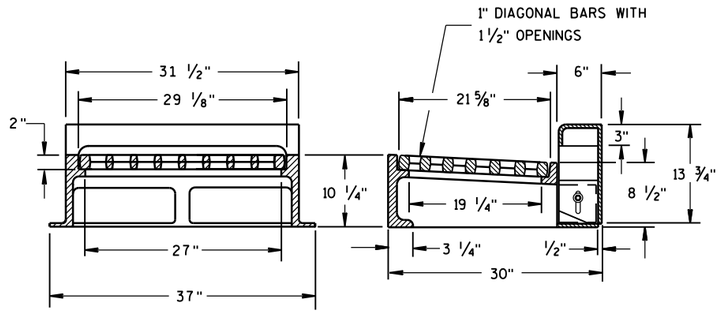


TYPE "MS"

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



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



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

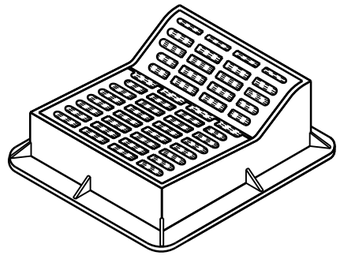
INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM

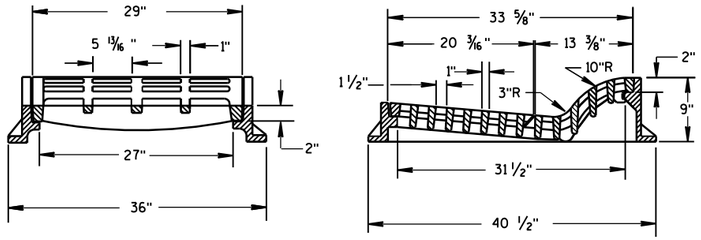
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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

6

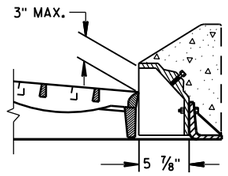
S.D.D. 8 A 5-19b





TYPE "F"

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

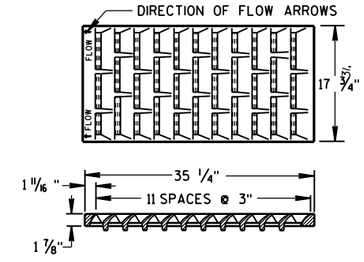
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

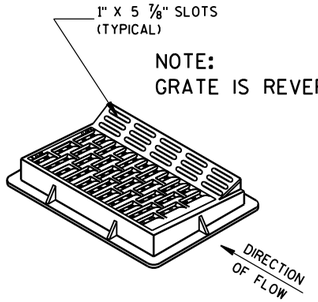
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

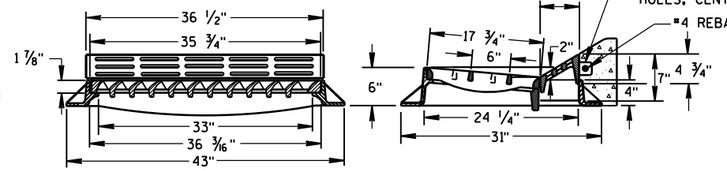
GENERAL NOTES

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

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



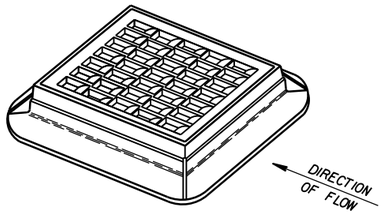


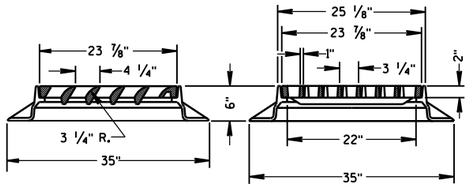


TYPE "HM"

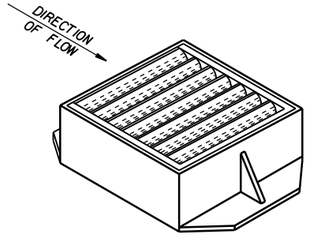
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

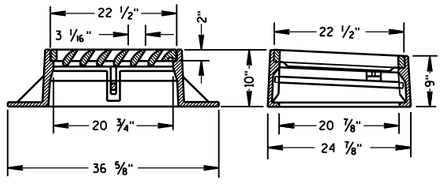
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



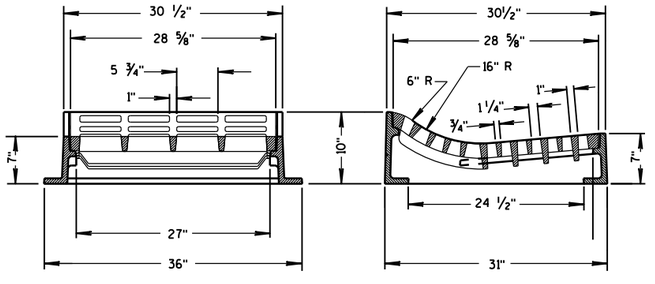


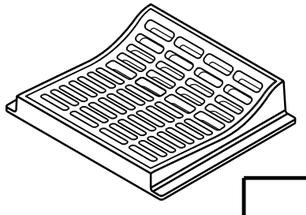
TYPE "S"





TYPE "V"





TYPE "T"

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

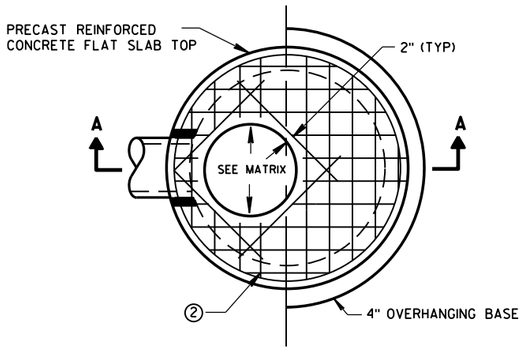
INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

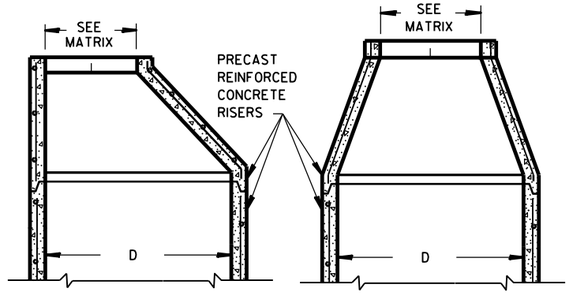
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
FHWA

6

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

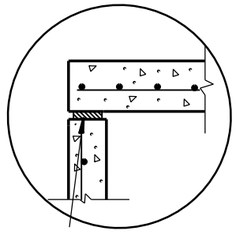


PLAN VIEW CIRCULAR OPENING

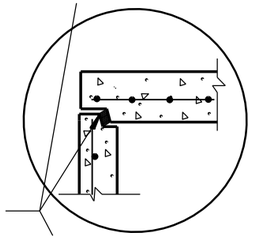


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

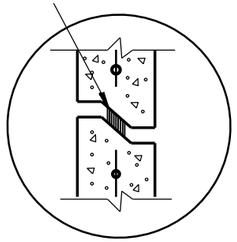
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



TOP WITH PLAIN END JOINT

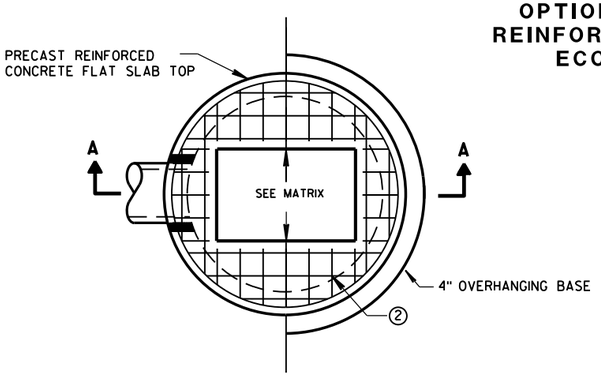


TOP WITH TONGUE AND GROOVE JOINT

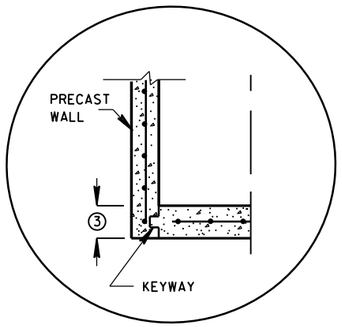


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

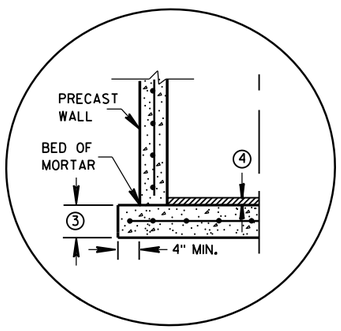


PLAN VIEW RECTANGULAR OPENING



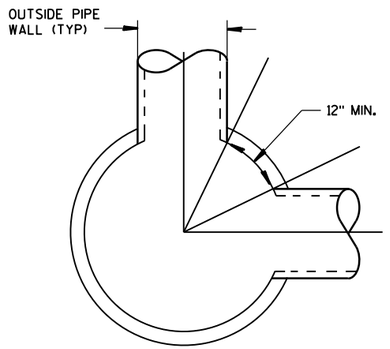
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

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

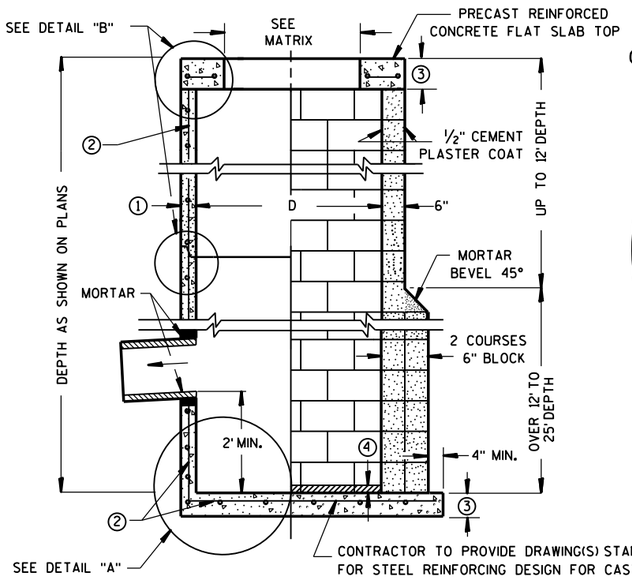


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

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 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

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

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

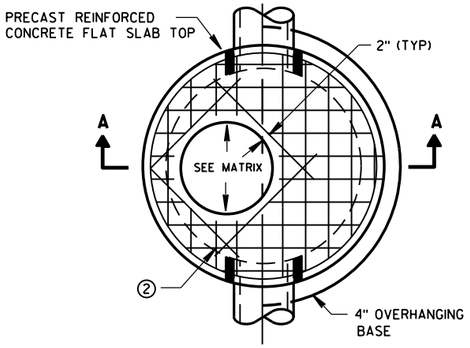
CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

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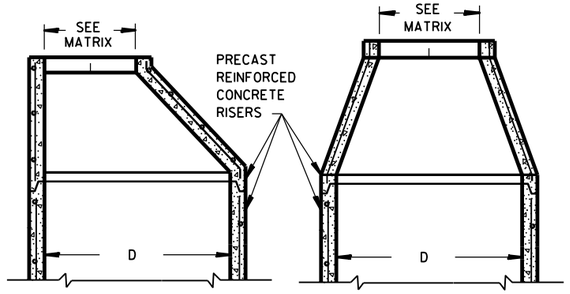
S.D.D. 8 A 8-2

6

S.D.D. 8 A 8-2

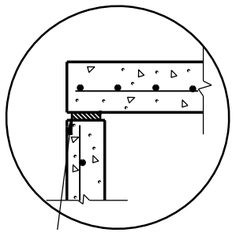


PLAN VIEW CIRCULAR OPENING

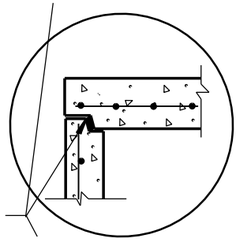


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

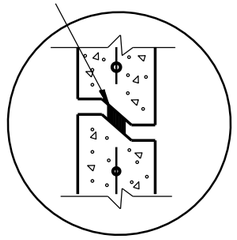


TOP WITH PLAIN END JOINT



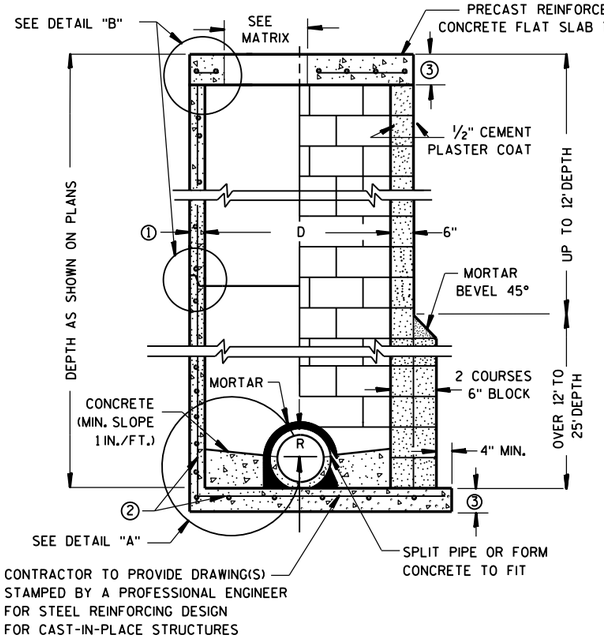
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



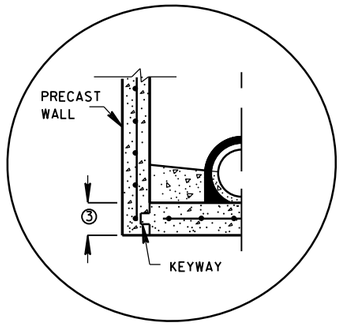
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

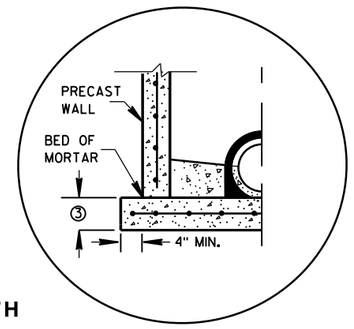


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

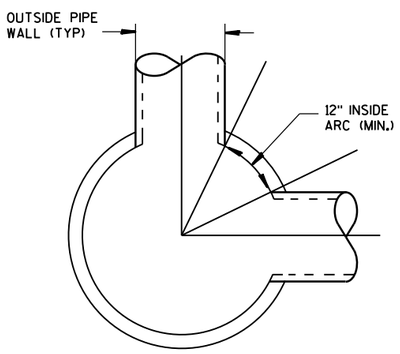


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



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.

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

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

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

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

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

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

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

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

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

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

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

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

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

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

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

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

MANHOLE COVER OPENING MATRIX

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

PIPE MATRIX

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

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

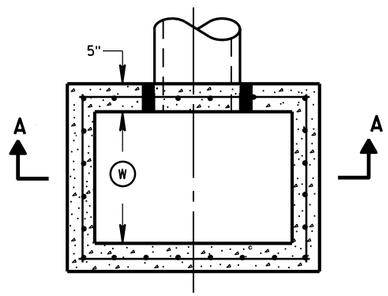
APPROVED

Sept., 2016
DATE

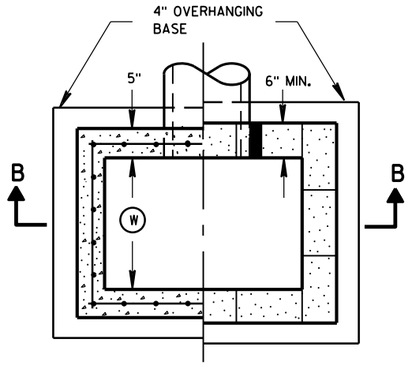
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV

FHWA

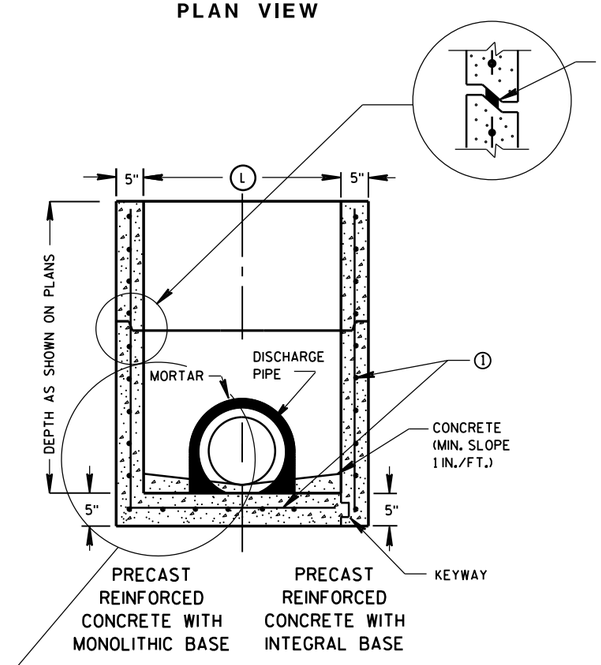
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S.D.D. 8 B 9-2



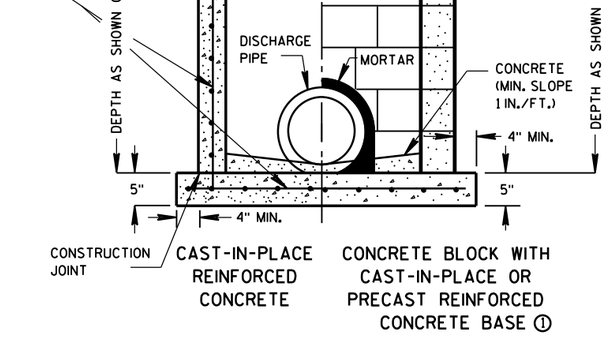
PLAN VIEW



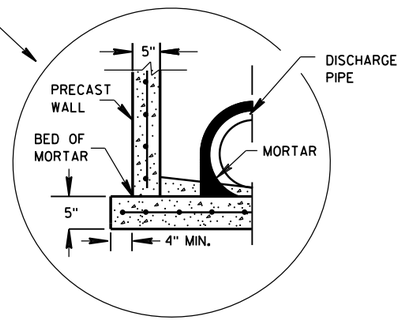
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

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

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

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

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

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

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

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

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

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

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

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

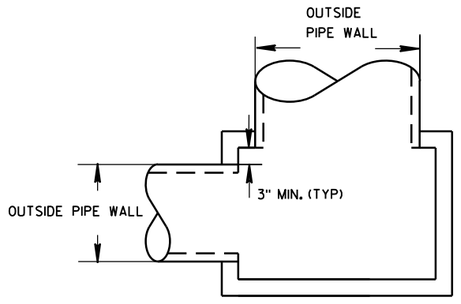
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

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

PIPE MATRIX

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



DETAIL "A"

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT
UNIT SUPERVIS
FHWA

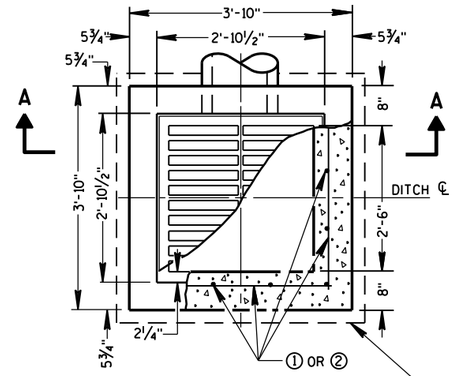
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

6

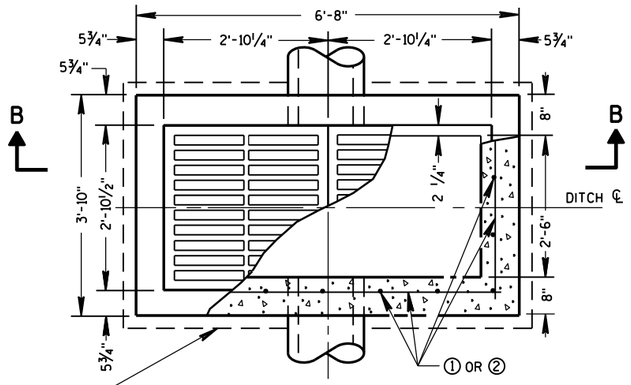
S.D.D. 8 C 7-2

6

S.D.D. 8 C 7-2

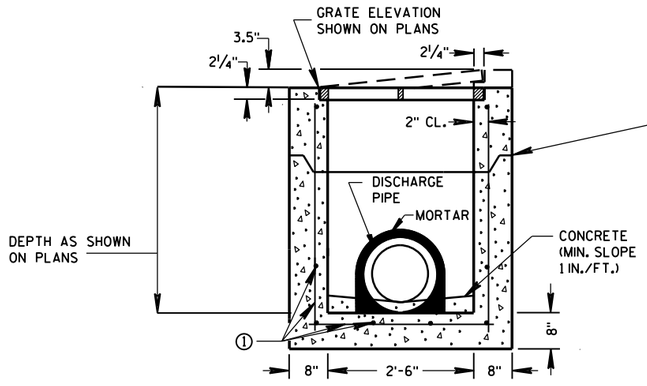


PLAN VIEW

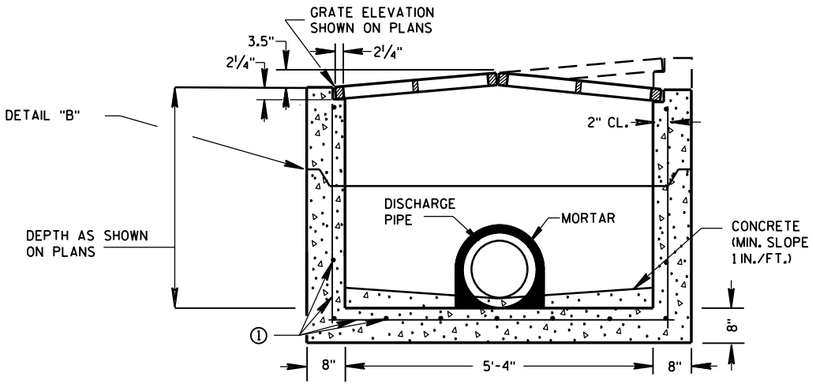


PLAN VIEW

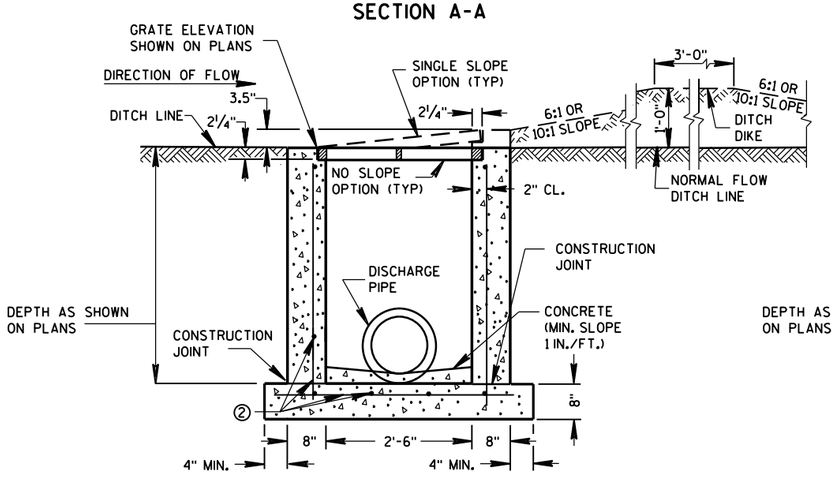
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



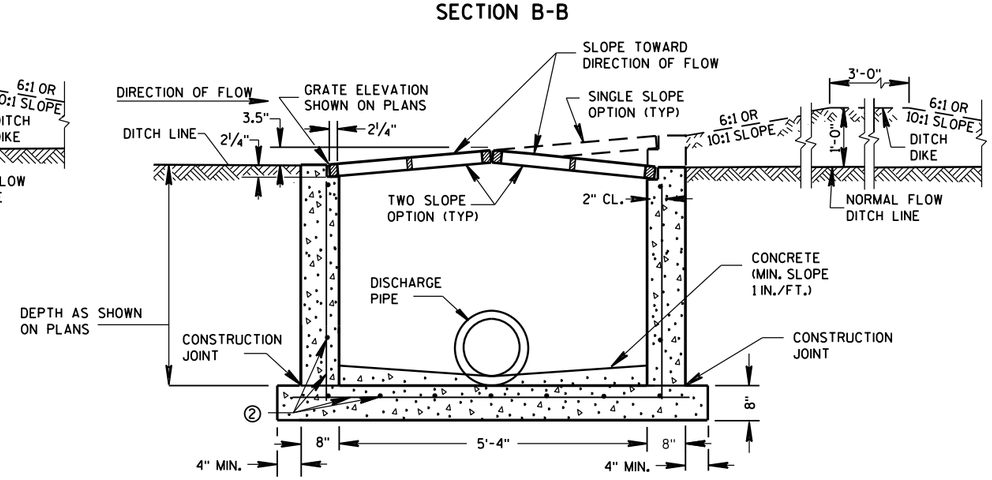
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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

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

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

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

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

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

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

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

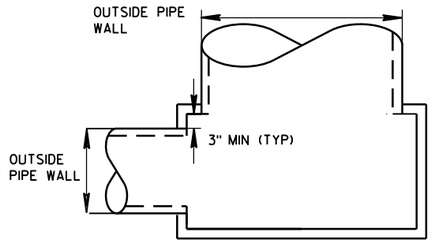
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

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

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

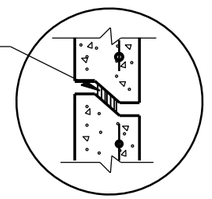
PIPE MATRIX

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



DETAIL "A"

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



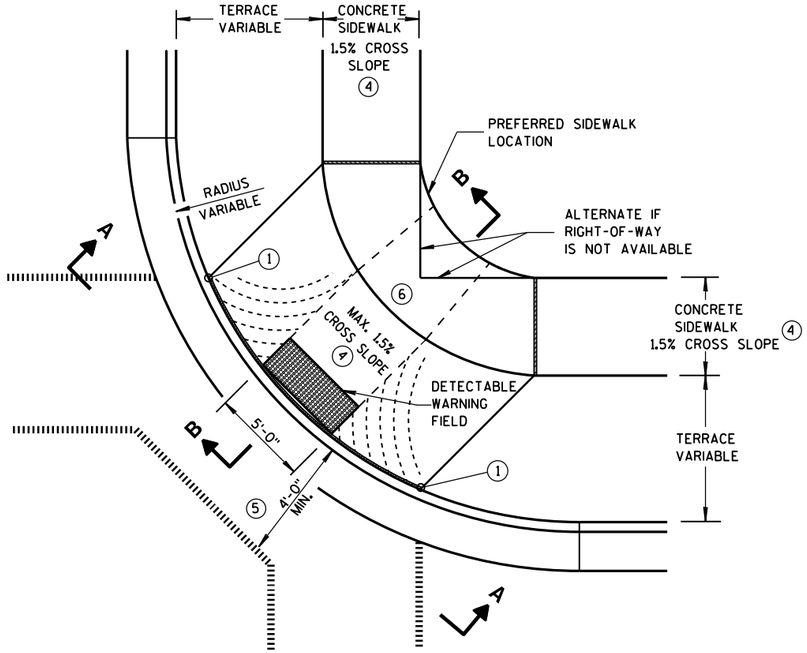
DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

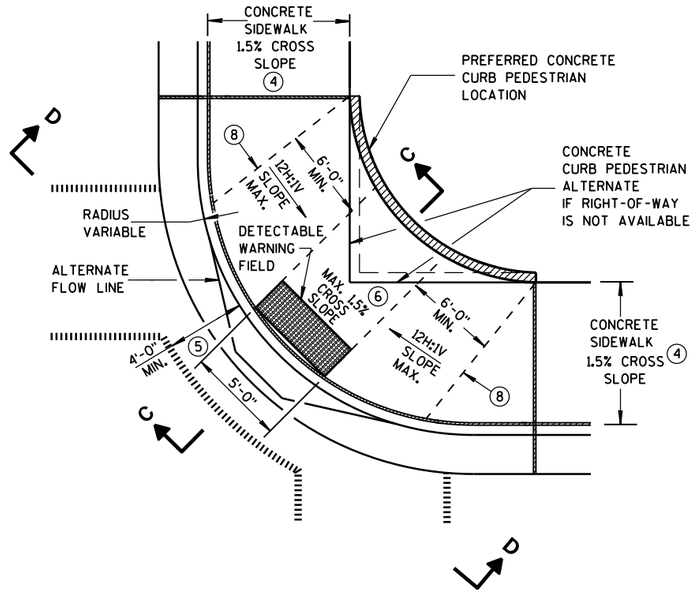
6
S.D.D. 8 C 8-2



PLAN VIEW

TYPE 1 RAMP

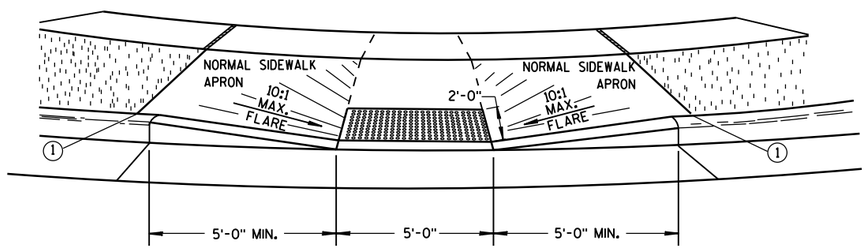
(CENTER OF CORNER RADIUS)



PLAN VIEW

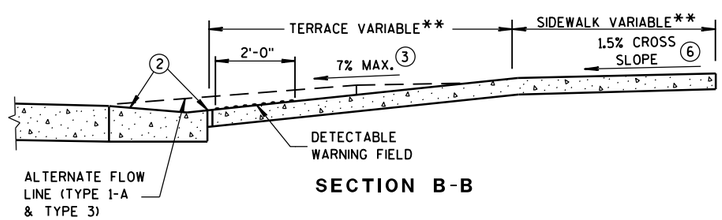
TYPE 1-A RAMP

(NO TERRACE)

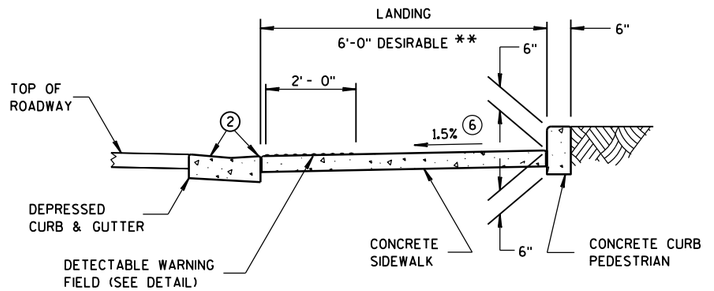


VIEW A-A

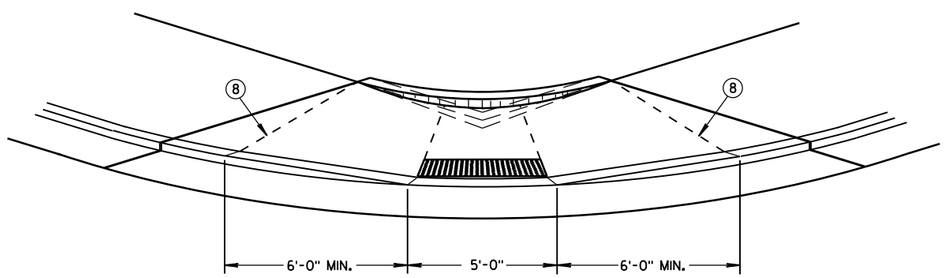
** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B



SECTION C-C



VIEW D-D

GENERAL NOTES

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 NOT EXCEED 7%.

(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

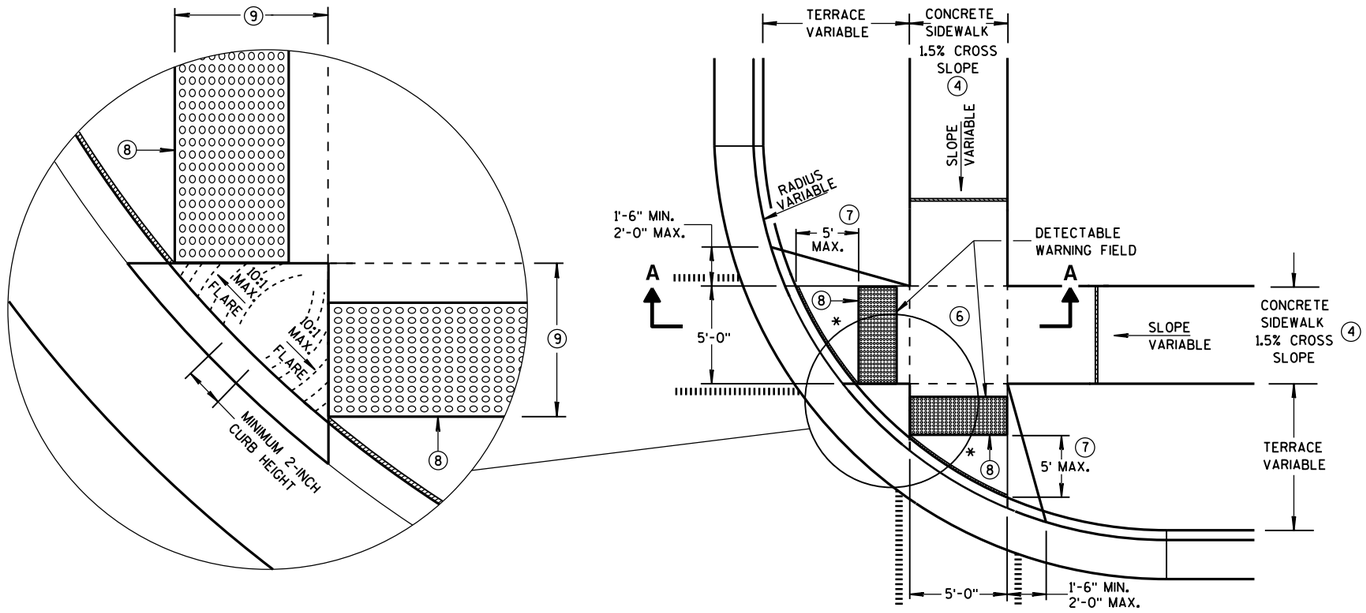
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

CURB RAMPS TYPES 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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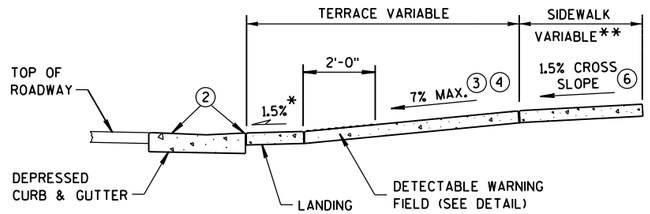


PLAN VIEW

TYPE 2 RAMP

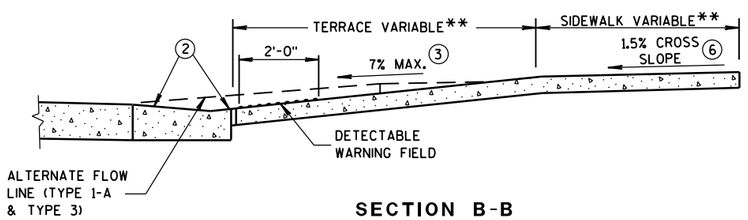
(ON LINE WITH SIDEWALK)

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK



SECTION A-A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

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

(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 NOT EXCEED 7%.

(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.

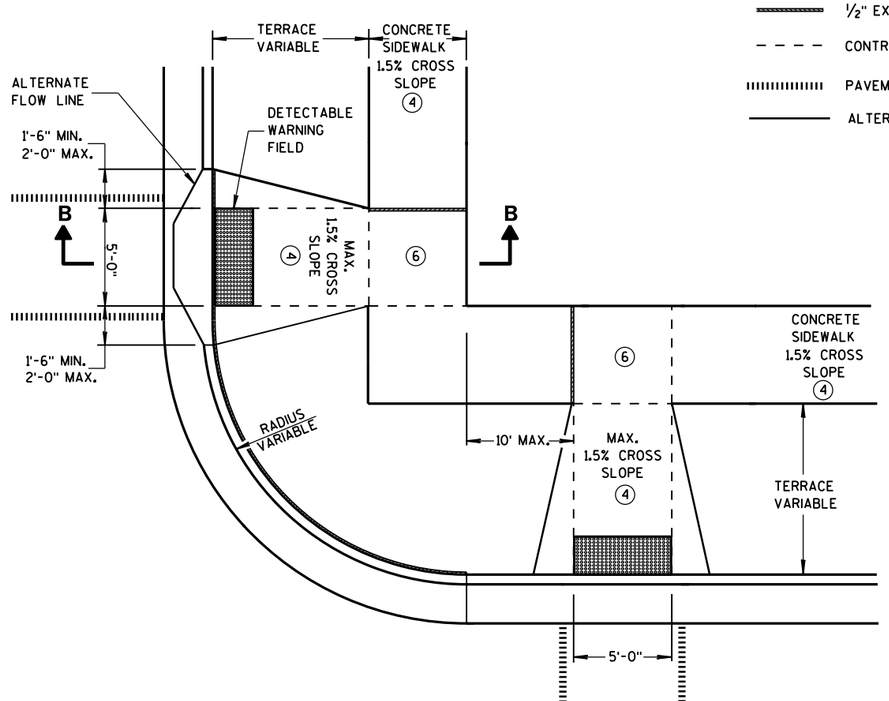
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. USE EQUAL-SIZE PANELS TO DEVELOP OVERLAPPING, STAGGERED ROWS. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(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

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



PLAN VIEW

TYPE 3 RAMP

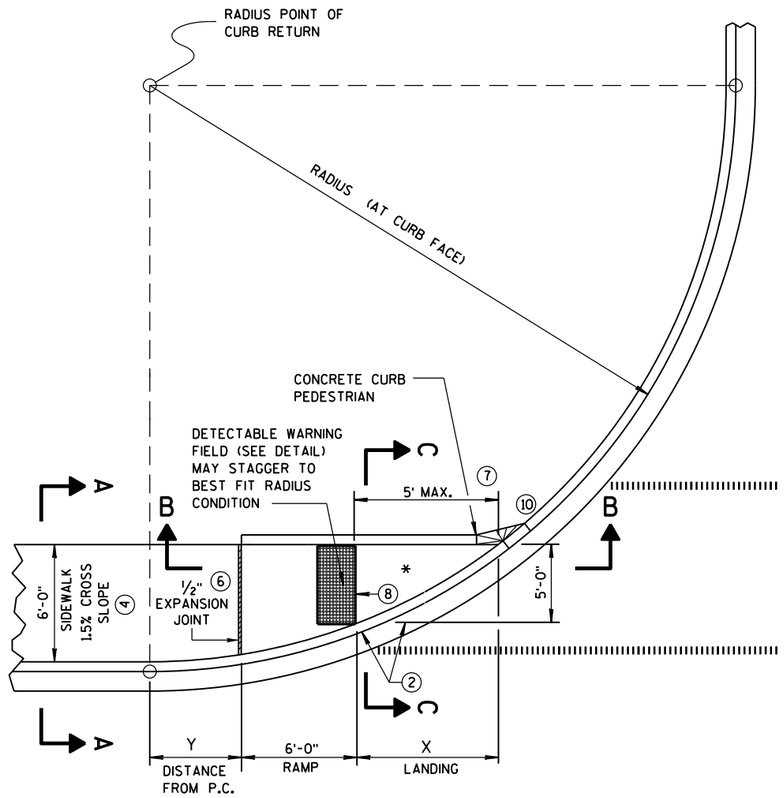
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPO

6

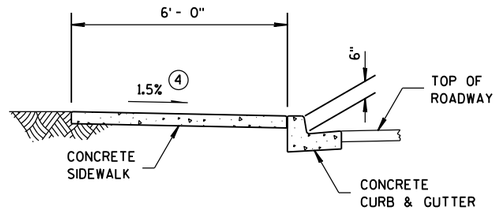
S.D.D. 8 D 5-18b



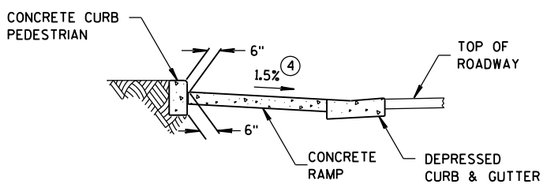
CURB RAMP TYPE 4A
PLAN VIEW

RADIUS (AT CURB FACE)	X	Y
20 FEET	7'-11"	0'-2"
30 FEET	10'-2¾"	1'-7½"
40 FEET	12'-1¼"	2'-10"
50 FEET	13'-8¾"	3'-10¾"
60 FEET	15'-2"	4'-10¼"

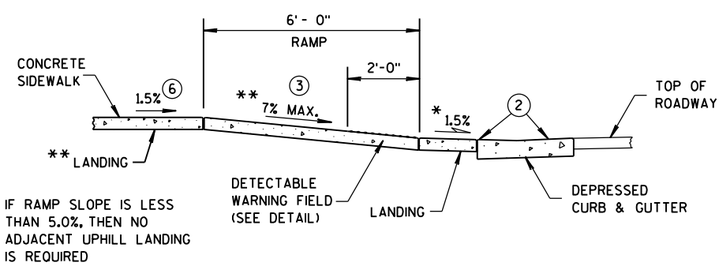
INTERMEDIATE RADII CAN BE INTERPOLATED



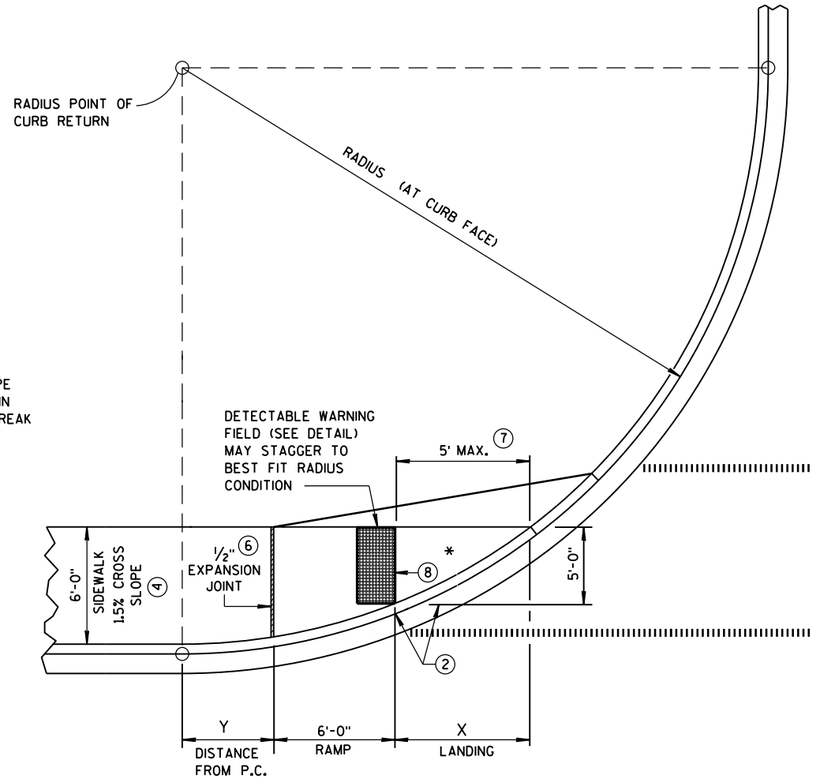
SECTION A-A FOR TYPE 4A



SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW

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 NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

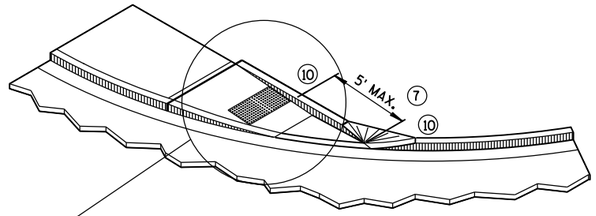
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

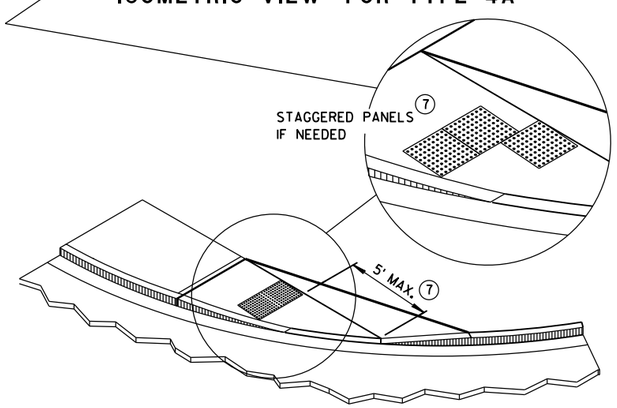
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. USE EQUAL-SIZE PANELS TO DEVELOP OVERLAPPING, STAGGERED ROWS. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(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



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

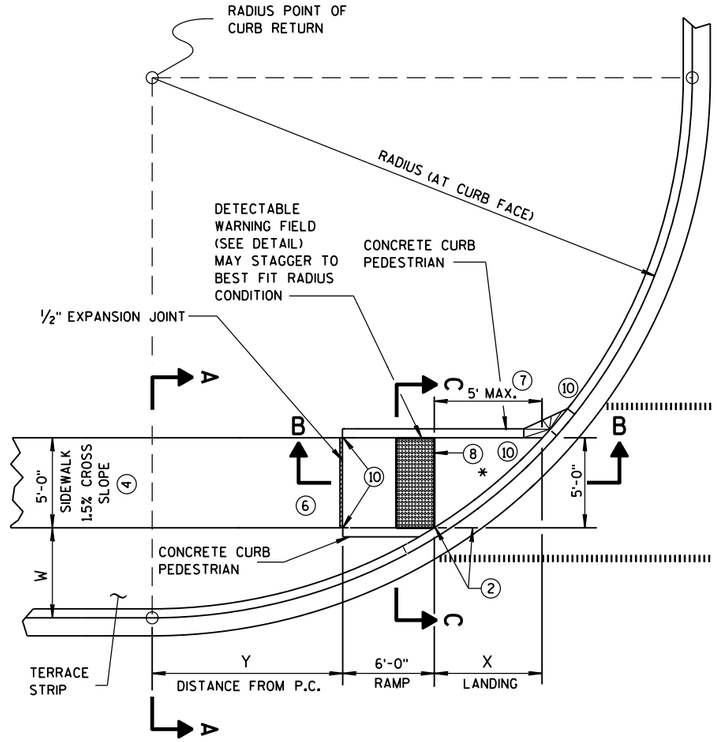
PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPES 4A AND 4A1

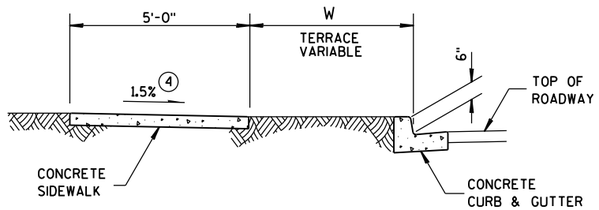
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

6

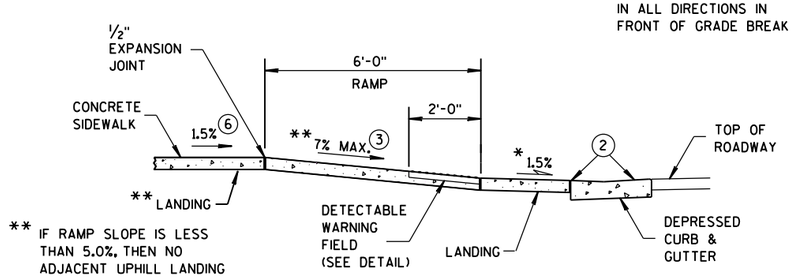
S.D.D. 8 D 5-18c



CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



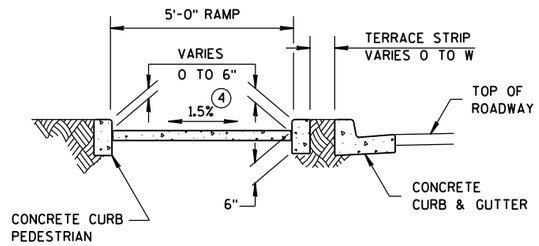
SECTION B-B FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)



SECTION C-C FOR TYPE 4B

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-9¾"	3'-6½"	4'-11½"	5'-1¾"	4'-3¼"	6'-5½"	3'-8¾"	7'-6¾"	3'-3"	8'-6¼"
30 FEET	7'-9¼"	5'-10½"	6'-9½"	7'-11¼"	6'-0¼"	9'-8"	5'-5"	11'-1¾"	4'-10¾"	12'-5¾"
40 FEET	9'-4"	7'-10"	8'-2¾"	10'-3"	7'-4¾"	12'-3¾"	6'-8½"	14'-1¼"	6'-1¾"	15'-8½"
50 FEET	10'-8"	9'-6½"	9'-5½"	12'-3¼"	8'-6½"	14'-7½"	7'-9¾"	16'-8¼"	7'-2½"	18'-6¼"
60 FEET	11'-10¼"	11'-0¾"	10'-6½"	14'-1¼"	9'-6½"	16'-8½"	8'-9¼"	18'-11¾"	8'-1½"	21'-0½"

INTERMEDIATE RADII CAN BE INTERPOLATED

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 NOT EXCEED 7%.

(3) ABSOLUTE MAXIMUM 12H:1V (8.33%) CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

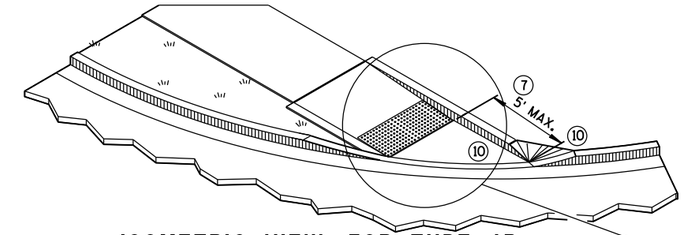
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

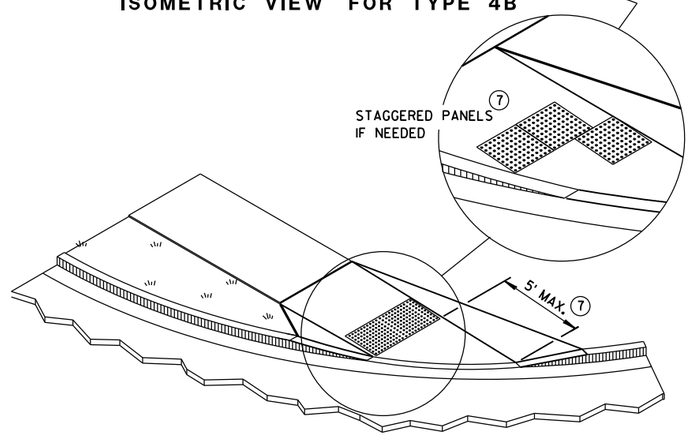
(7) WHEN THIS DISTANCE EXCEEDS 5 FEET, STAGGER ADDITIONAL DETECTABLE WARNING PANEL FORWARD TO REDUCE THIS DISTANCE. PROVIDE MINIMUM 12-INCH ROW OVERLAP TO AVOID SIDESTEP OF DOME DETECTION. USE EQUAL-SIZE PANELS TO DEVELOP OVERLAPPING, STAGGERED ROWS. ALIGN DOMES BETWEEN OVERLAPPING ROWS AND IN DIRECTION OF PEDESTRIAN TRAVEL.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

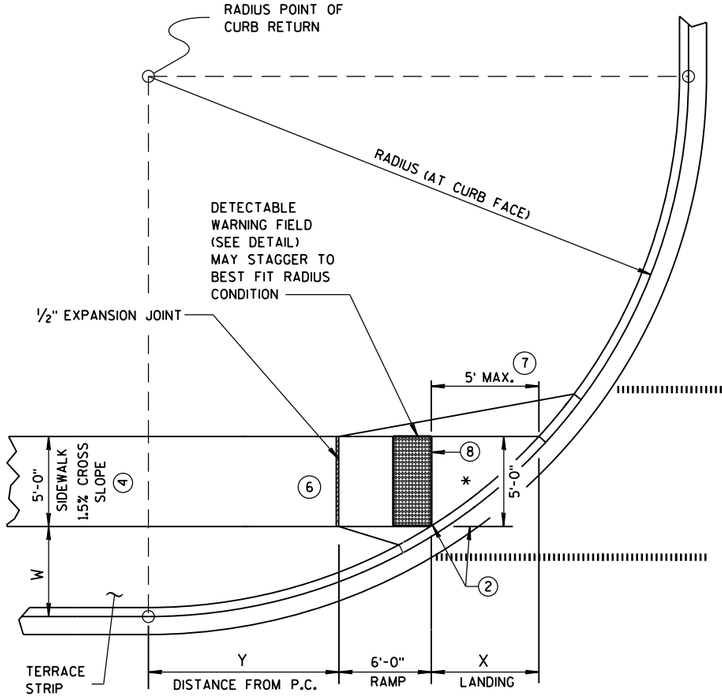
(10) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1



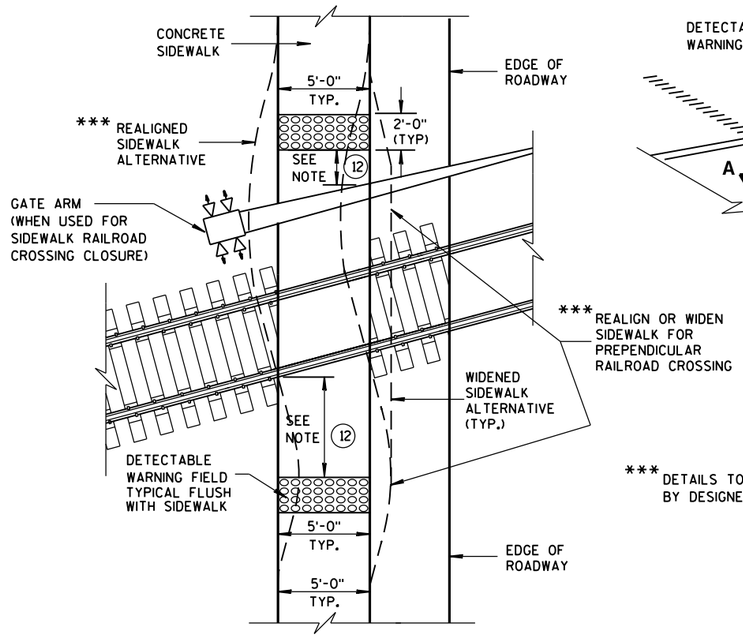
CURB RAMP TYPE 4B1
PLAN VIEW

CURB RAMPS
TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

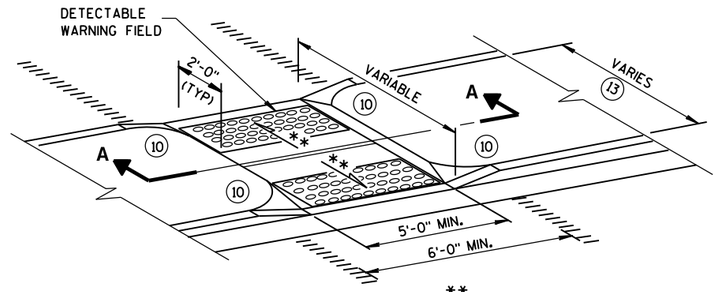
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S.D.D. 8 D 5-18d



*** DETAILS TO BE DETERMINED BY DESIGNER

TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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

(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 NOT EXCEED 7%.

(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.

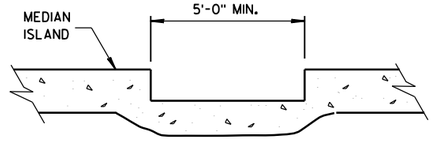
(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET X 5 FEET.

(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.

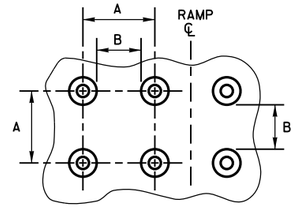
(13) DO NOT INSTALL DETECTABLE WARNING FIELDS IF MEDIAN WIDTH BETWEEN BACK OF CURBS IS LESS THAN 6 FEET.



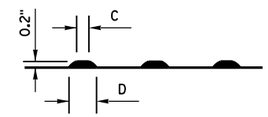
SECTION A-A

	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.

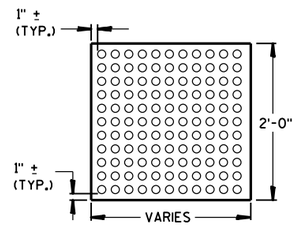


PLAN VIEW



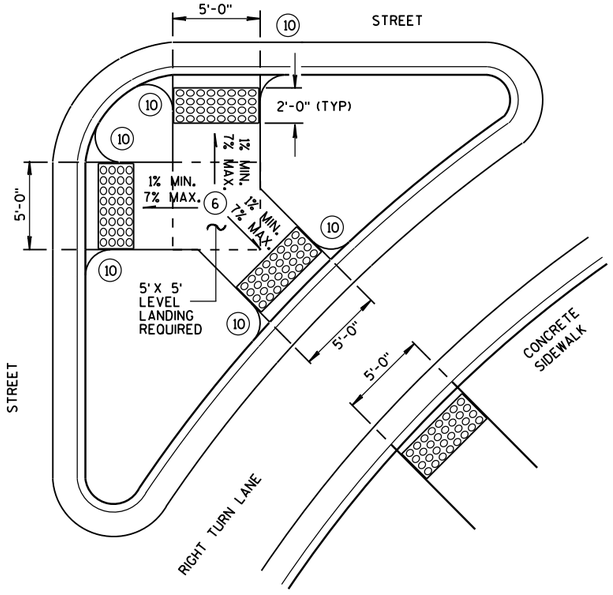
ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

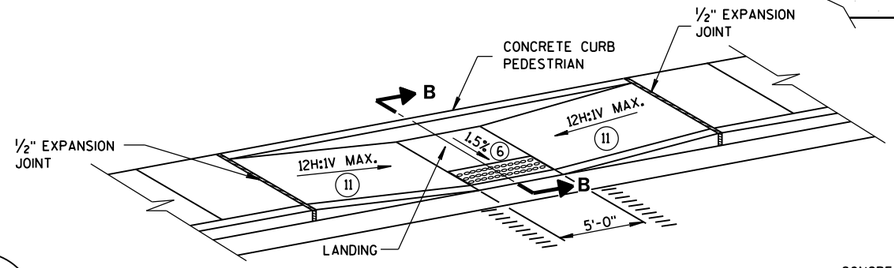


PLAN VIEW
DETECTABLE WARNING FIELD (TYPICAL)

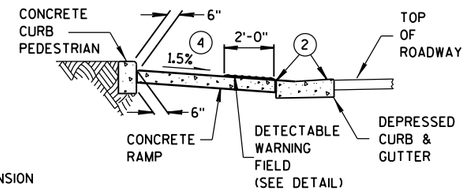
REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



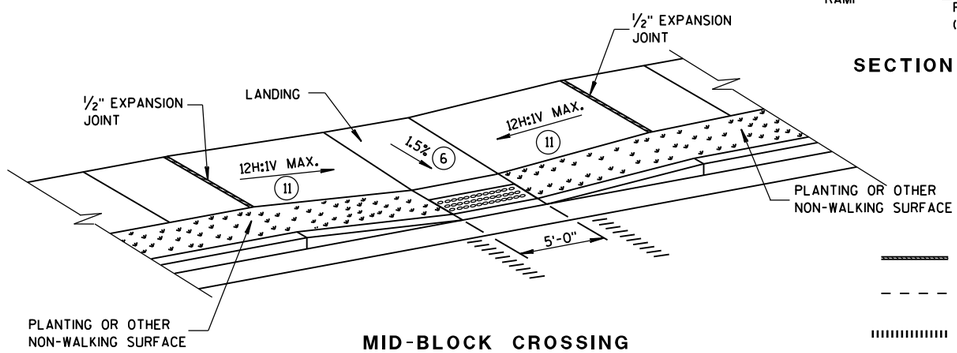
TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7A



SECTION B-B



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

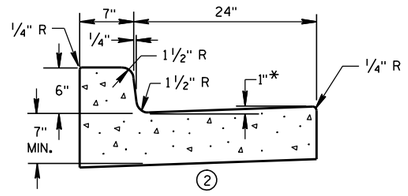
CURB RAMPS
TYPES 5, 6, 7A, 7B & 8

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

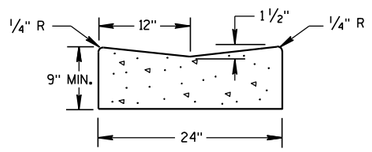
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERV
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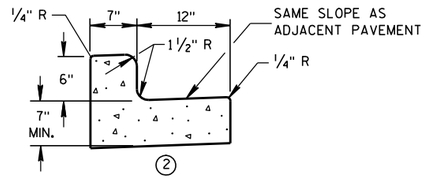
S.D.D. 8 D 5-18e



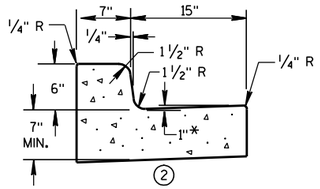
① CONCRETE CURB & GUTTER 31"



① CONCRETE GUTTER 24"

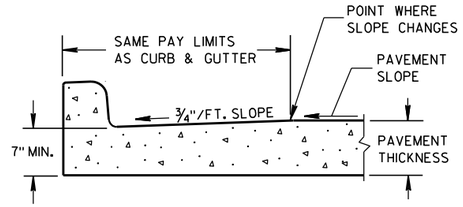


① CONCRETE CURB & GUTTER 19"



① CONCRETE CURB & GUTTER 22"

* TO BE MEASURED TO A MAXIMUM OF 3" WHERE DRAINAGE PROBLEMS EXIST.



PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER

GENERAL NOTES

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

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

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

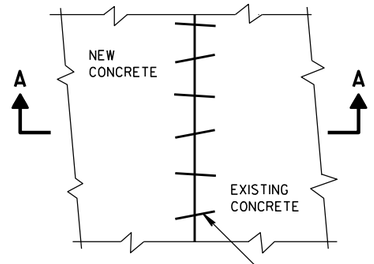
WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE COURSE AND UNCLASSIFIED EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURB.

① WHEN PLACED ADJACENT TO NEW CONCRETE, TIE BARS ARE REQUIRED FOR CURB AND GUTTER 31", 22", 19" AND CONCRETE GUTTER 24".

② THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE COURSE PROVIDED A 7" MIMIMUM GUTTER THICKNESS IS MAINTAINED.

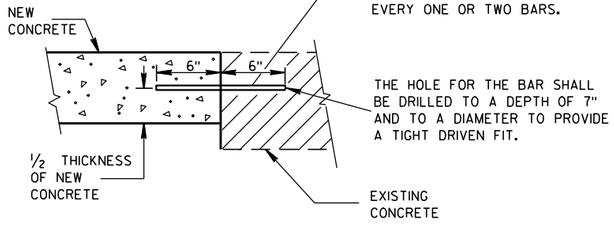
③ WHEN HIGH SIDE CURB SECTION IS REQUIRED, THE LOCATION(S) WILL BE NOTED ON THE PLAN.



PLAN VIEW

EXISTING AND NEW CONCRETE MAY BE CURB & GUTTER, SURFACE DRAIN, PAVEMENT OR OTHER CONCRETE STRUCTURE.

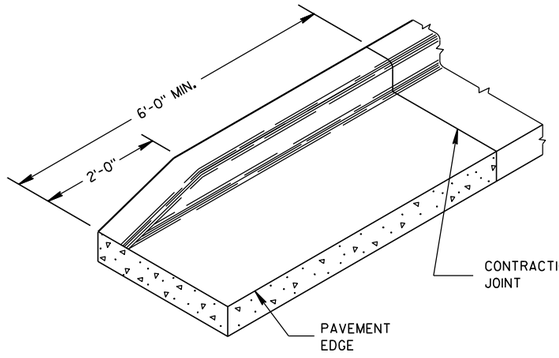
NO. 6 X 12" DEF. BARS SPACED 3'-0" C-C, INSTALLED ON 6:1 SKEW HORIZONTALLY. DIRECTION OF SKEW ALTERNATING AFTER EVERY ONE OR TWO BARS.



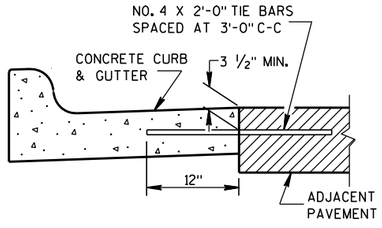
THE HOLE FOR THE BAR SHALL BE DRILLED TO A DEPTH OF 7" AND TO A DIAMETER TO PROVIDE A TIGHT DRIVEN FIT.

SECTION A-A

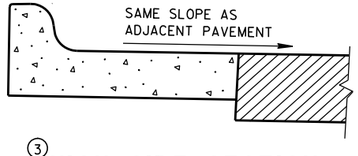
PAVEMENT TIES



END SECTION CURB & GUTTER



① TYPICAL TIE BAR LOCATION



③ HIGH SIDE SECTION

(TYPICAL FOR ALL CURB & GUTTER)

CONCRETE GUTTER, CURB AND GUTTER AND PAVEMENT TIES

(For Optional Use in Milwaukee Co. Only)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/2/2010 — DATE

/S/ Jerry Zoon — ROADWAY STANDARDS ENGINEER

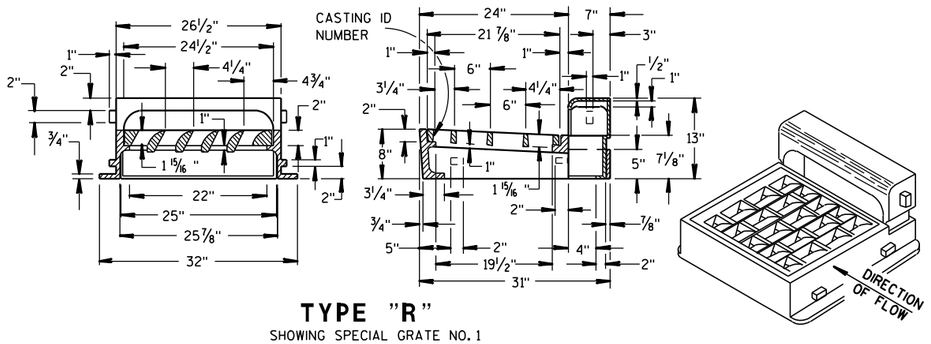
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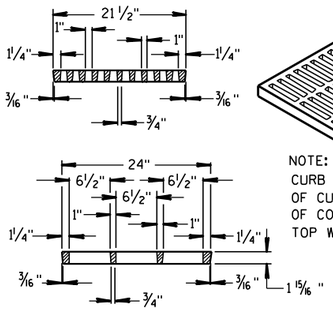
S.D.D. 8 D 16-10

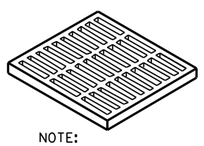
INLET COVERS



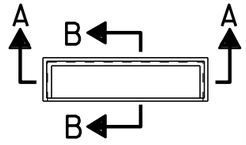
TYPE "R"

SHOWING SPECIAL GRATE NO. 1
(TO BE NOTED AS R-1 IN DRAINAGE TABLE)

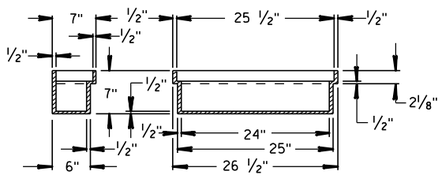




(APPROX. WEIGHT - 510 LBS.)
FRAME..... 245 LBS.
CURB..... 120 LBS.
GRATE..... 145 LBS.



NOTE:
CURB PLUG USED IN PLACE OF CURB BOX IN ABSENCE OF CONC. CURB. FILL TO TOP WITH CONCRETE.



GRATE FOR TYPE "R" INLET COVER

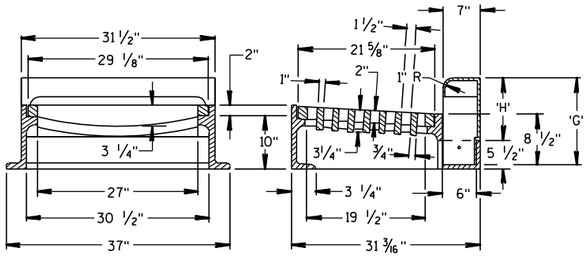
(GRATE..... 150 LBS.)
(TO BE USED UNLESS OTHERWISE NOTED IN DRAINAGE TABLE)

SECTION B-B SECTION A-A

SPECIAL CURB PLUG "P"

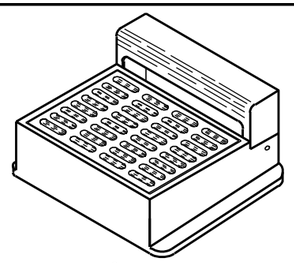
(CURB PLUG..... 85 LBS.)
(TO BE NOTED AS R-P IN DRAINAGE TABLE)

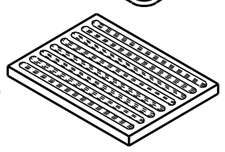
'H' = 9" FOR 6" CURB
'H' = 11" FOR 8" CURB
'G' = 13 3/4" FOR 6" CURB
'G' = 15 3/4" FOR 8" CURB



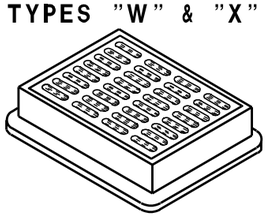
TYPE "W"

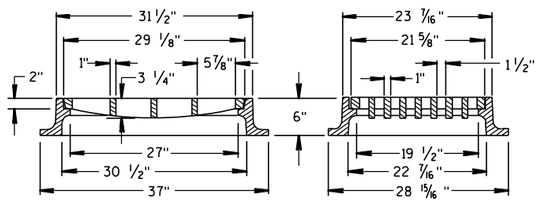
(APPROX. WEIGHT - 670 LBS.)
FRAME..... 350 LBS.
CURB BOX..... 135 LBS.
GRATE..... 185 LBS.





ALTERNATE GRATE
(FOR EXPRESSWAY RAMPS)
TYPES "W" & "X"

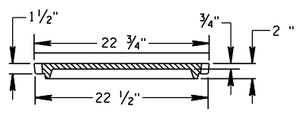




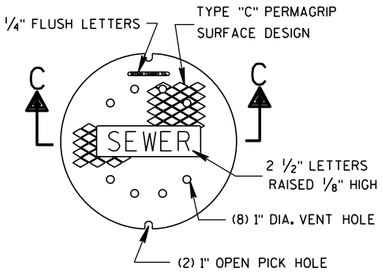
TYPE "X"

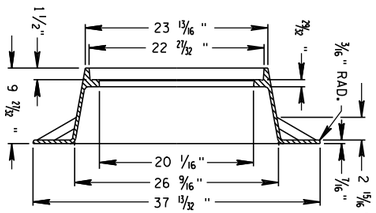
(APPROX. WEIGHT - 470 LBS.)

MANHOLE COVER



SECTION C-C





TYPE "Q"

(APPROX. WEIGHT - 290 LBS.)

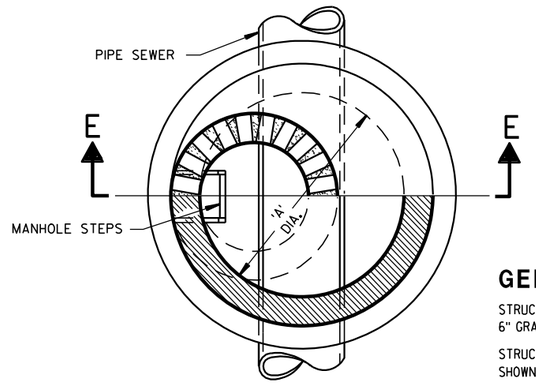
TABLE OF DIMENSIONS

TYPE	'A'	'B'	'C'
11	3'-6"	2'-8"	12" - 36"*
12	4'-0"	3'-8"	12" - 42"**
13	5'-0"	5'-8"	42" - 48"
14	6'-0"	7'-8"	54" - 60"

* 12" - 21" FOR PRECAST MANHOLES
** 12" - 24" FOR PRECAST MANHOLES

THE FIRST STEP SHALL BE PLACED 16" ABOVE THE BENCH.

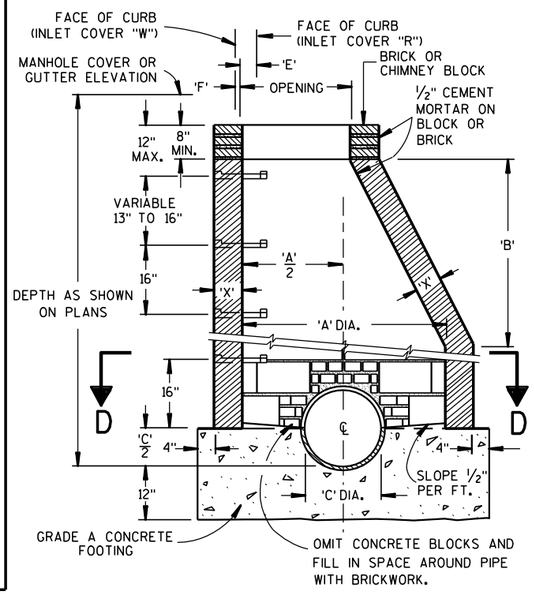
MANHOLE



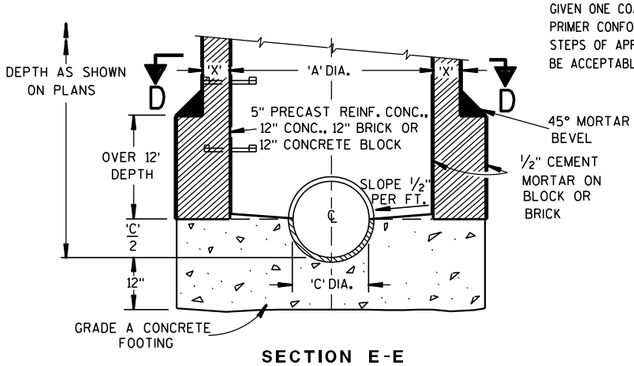
HALF SECTION D-D

TABLE OF OPENING DIMENSIONS

COVER TYPE	COVER DESCRIPTION	OPENING	'E'	'F'
"O"	ROUND	2'-2" DIA.	—	—
"W"	CURB BOX	1'-8" X 2'-6"	—	1"
"X"	INLET	1'-10" X 2'-6"	—	—
"R"	CURB BOX	2'-0" X 2'-1"	4"	—



SECTION E-E



SECTION E-E

TYPES 11, 12, 13 & 14

GENERAL NOTES

STRUCTURE WALL THICKNESS 'X' TO BE 8" BRICK, 6" CONCRETE BLOCK, 6" GRADE A CONCRETE OR 5" PRECAST REINFORCED CONCRETE.

STRUCTURE FOOTINGS ARE TO BE GRADE A CONCRETE OF THE THICKNESS SHOWN IN THE DETAIL OR 5" PRECAST REINFORCED CONCRETE.

REINFORCEMENT FOR 5" PRECAST REINFORCED CONCRETE SHALL BE 6" X 6" W16 X W16 WELDED SREEL WIRE FABRIC AND SHALL BE EMBEDDED 2" CLEAR.

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

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

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

SET FRAME ELEVATION 0.03 FT. LOWER THAN ELEVATION INDICATED ON THE PLANS.

THE CONTRACTOR MAY FORM AND POUR MONOLITHIC CONCRETE INVERT PROVIDED THE PIPE ENDS ARE EXTENDED INTO THE M.H. AND NOT TERMINATED WITHIN THE M.H. WALLS.

MANHOLE STEPS

STEPS MEETING THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH; 16 INCH C-C MAX. SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM WALL EMBEDMENT OF 3 INCHES IN PRECAST MANHOLE AND 6 INCHES IN 8 INCH BRICK OR 6 INCH BLOCK MANHOLE; TREAD OF STEP SHALL HAVE A NON-SKID SURFACE AND BE FLANKED BY CLEATS, WITH A MINIMUM OF 10 INCHES CLEAR BETWEEN CLEATS, TO PREVENT FOOT SLIPPING OFF THE EDGE CLEATS SHALL BE A MINIMUM OF 3/4 INCH HIGH BY 3/4 INCH WIDE HAVING A MINIMUM THICKNESS OF 3/8 INCH. STEPS SHALL BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 300 LBS. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

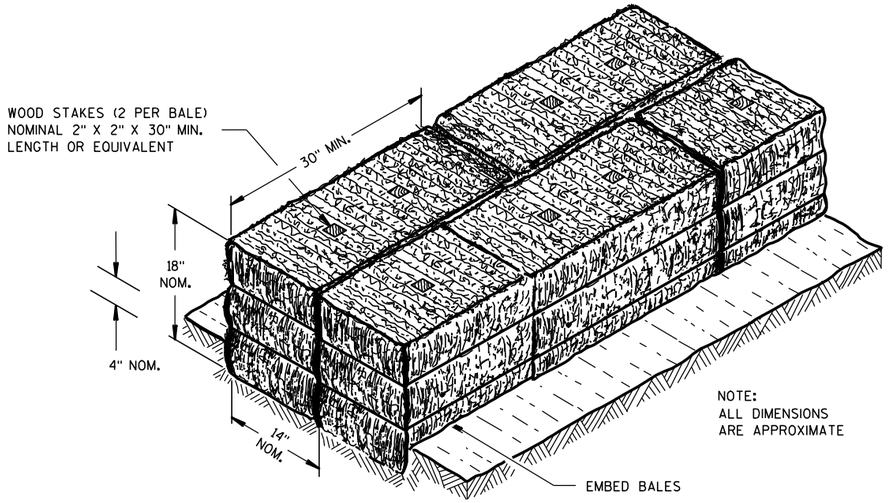
SOLID ALUMINUM STEPS SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 0.75 INCH. ALUMINUM SURFACES TO BE EMBEDDED IN CONCRETE SHALL BE GIVEN ONE COAT OF SUITABLE QUALITY PAINT, SUCH AS ZINC CHROMATE PRIMER CONFORMING TO FEDERAL SPECIFICATION TT-P-645 OR EQUIVALENT. STEPS OF APPROVED POLYPROPYLENE PLASTIC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

MANHOLES, MANHOLE & INLET COVERS

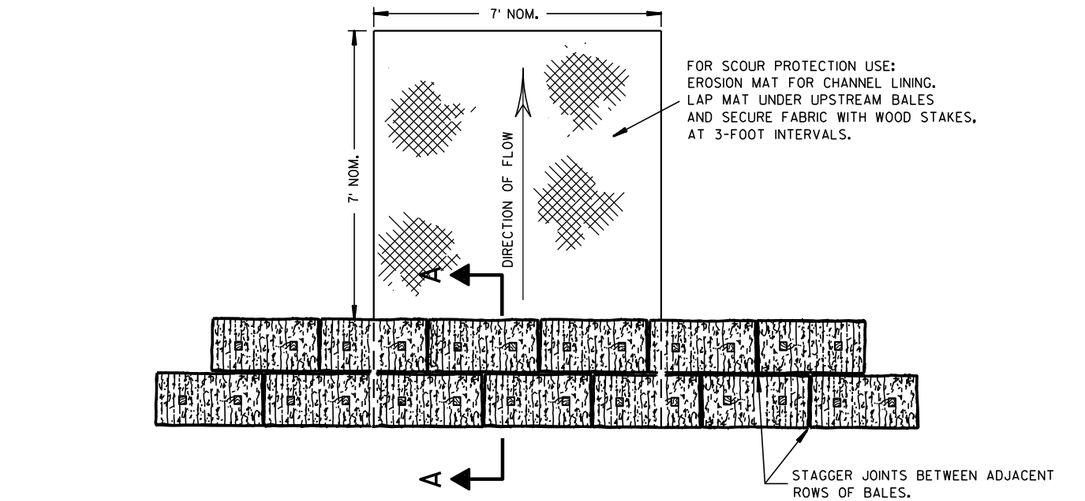
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4/12/2011 — DATE
/S/ Jerry H. Zogg — ROADSIDE STANDARDS ENGINEER
250
FHWA

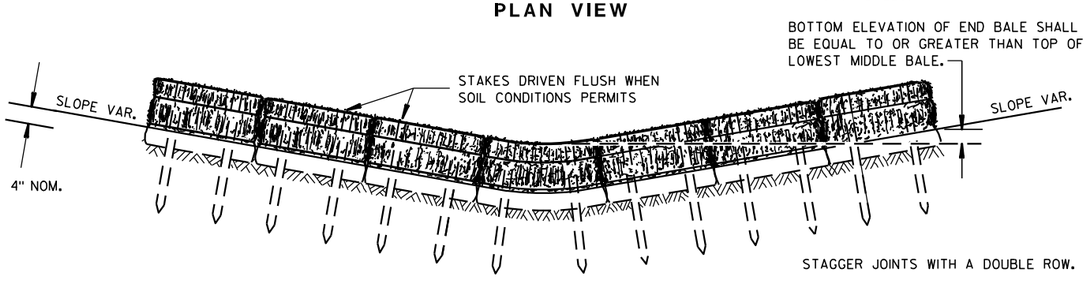
6
S.D.D. 8 D 17-6



SECTION A-A



PLAN VIEW



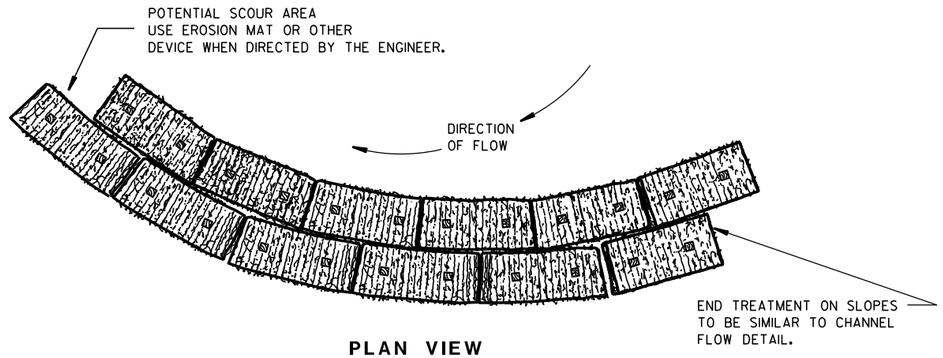
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

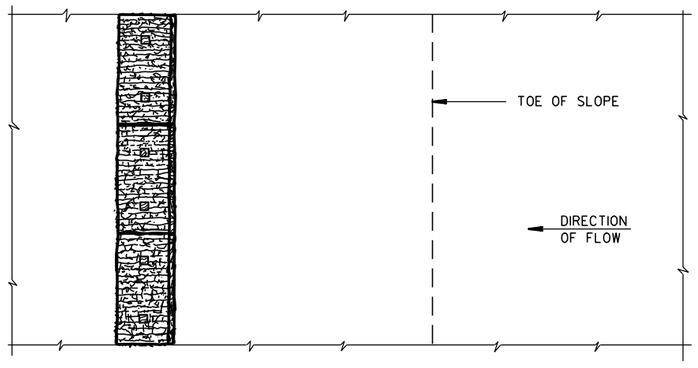
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(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.

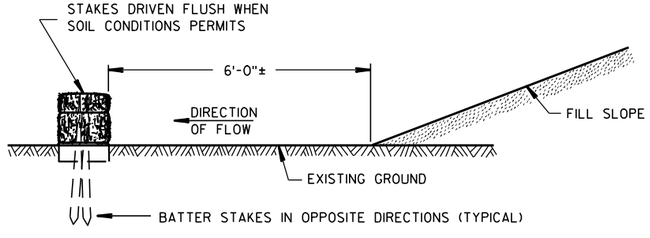


PLAN VIEW

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

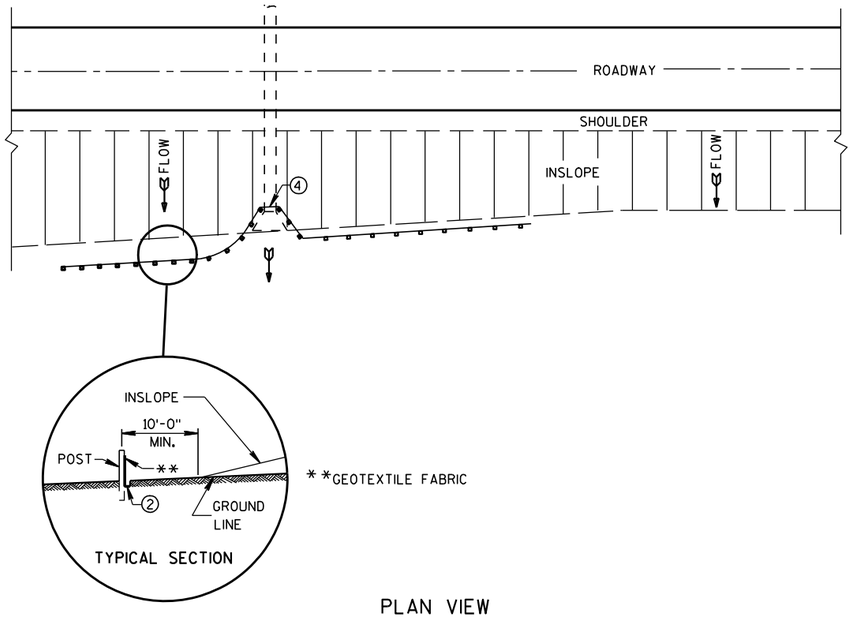
APPROVED

6/04/02 — DATE

/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER

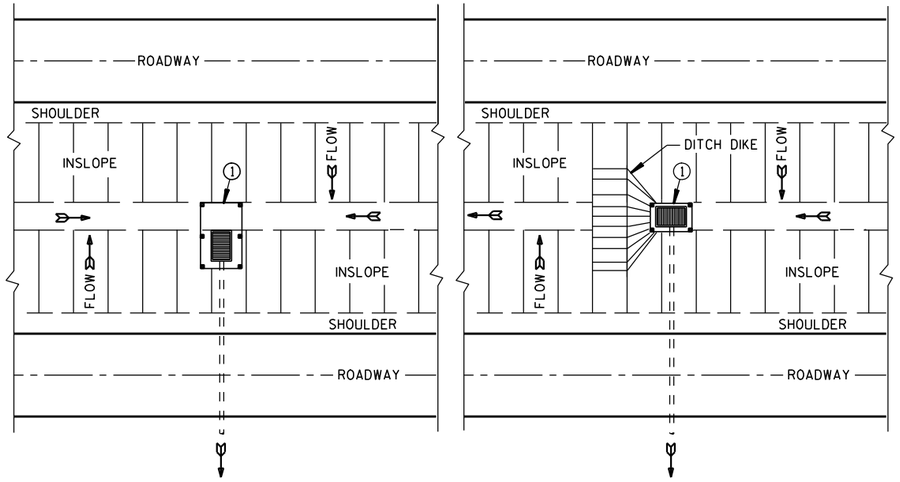
FHWA

6
S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

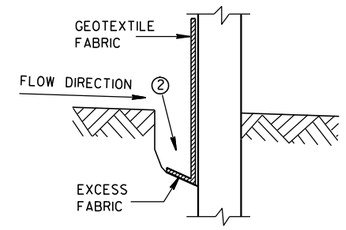
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

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

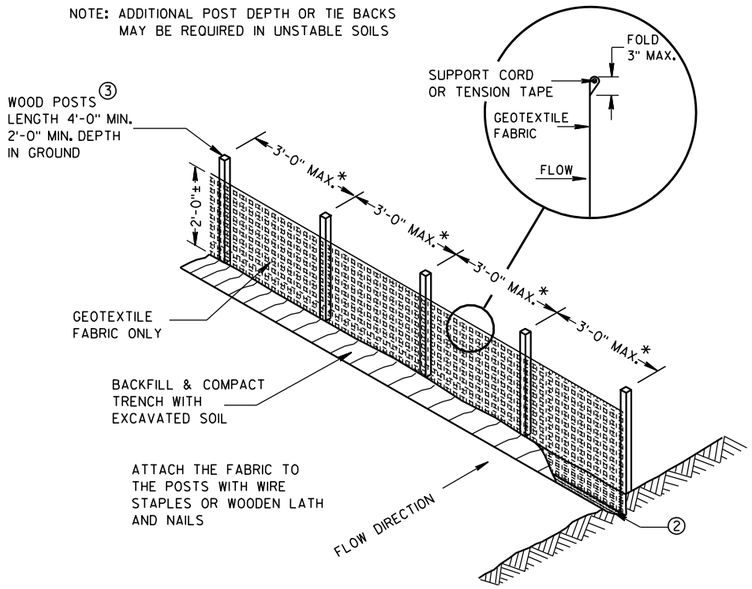
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

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

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

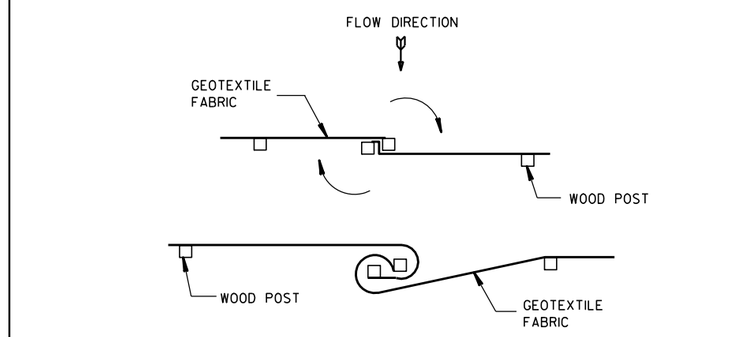


TRENCH DETAIL

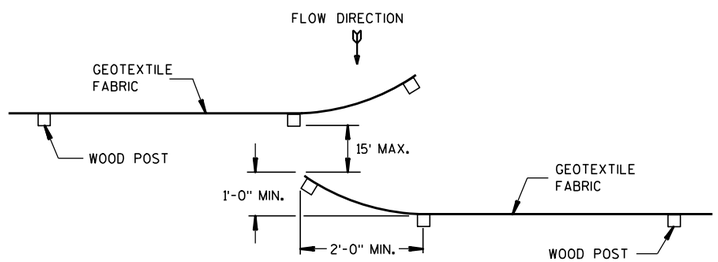


*NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.

SILT FENCE

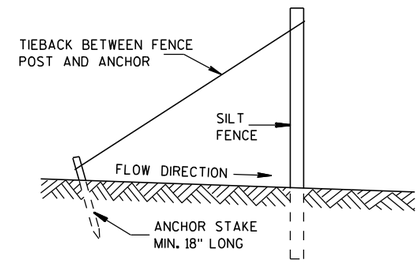


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

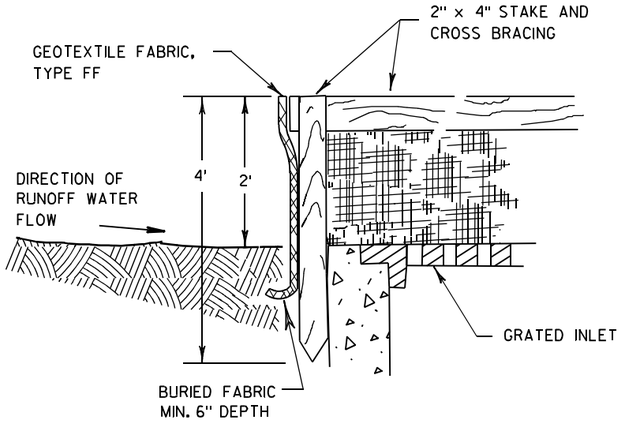
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

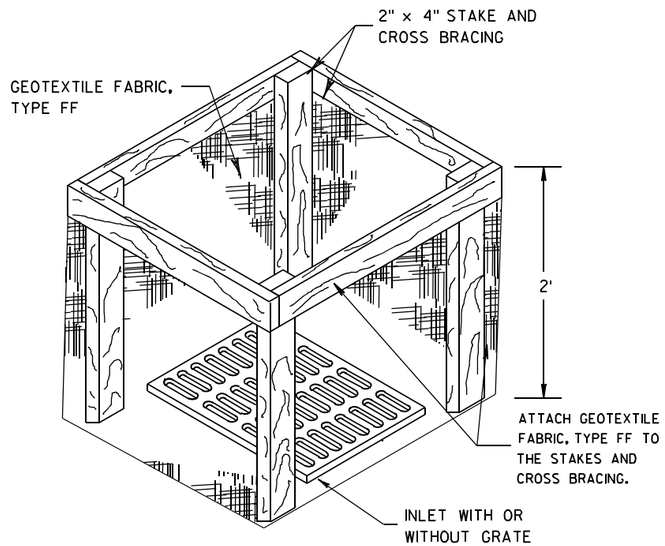
6

S.D.D. 8 E 9-6

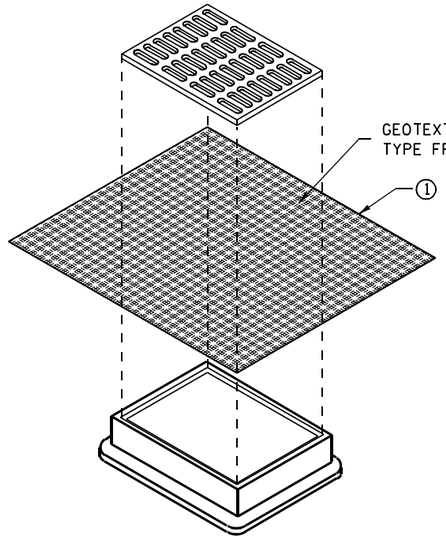
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S.D.D. 8 E 9-6



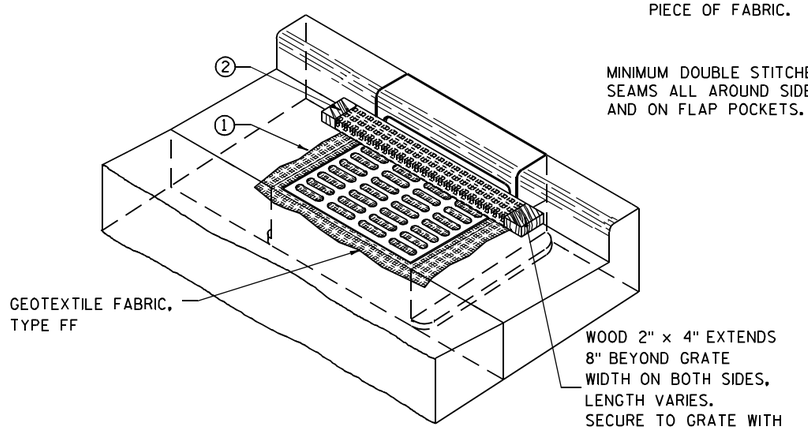


INLET PROTECTION, TYPE A

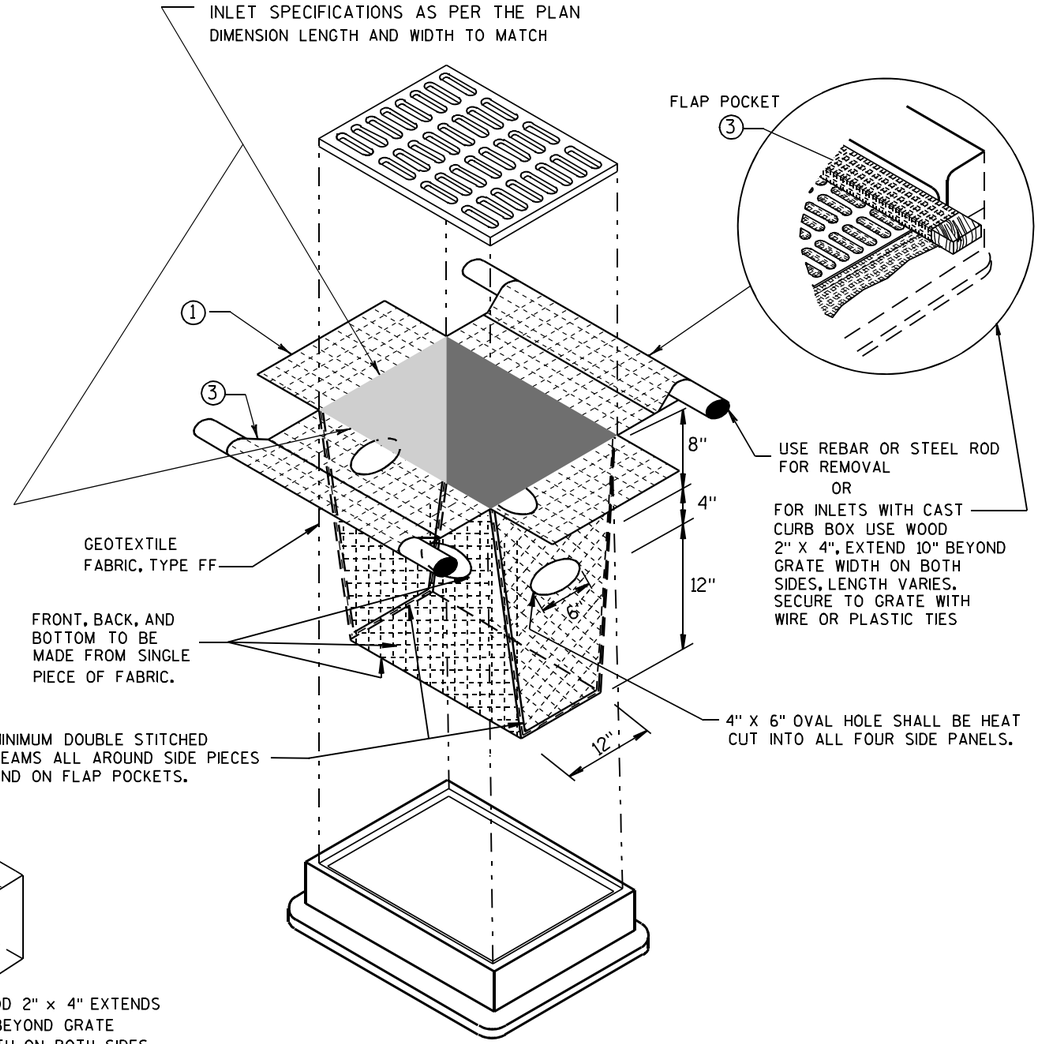


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(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

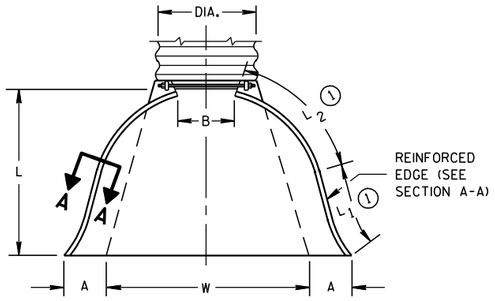
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	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

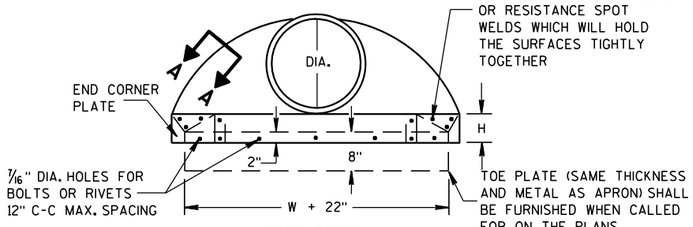
REINFORCED CONCRETE APRON ENDWALLS

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

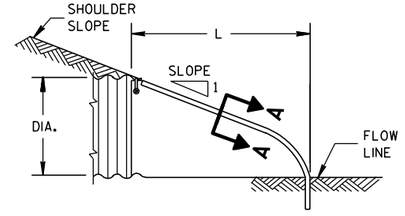
* MINIMUM
** MAXIMUM



PLAN VIEW

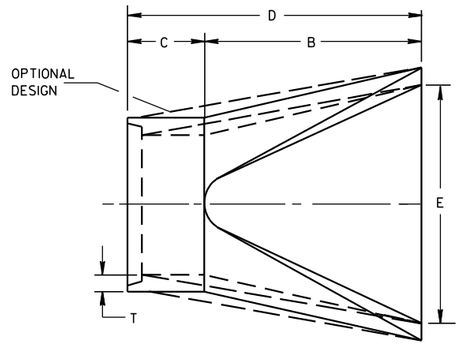


END VIEW

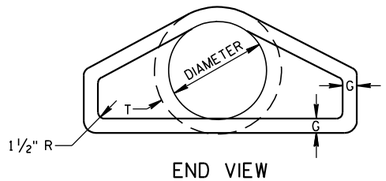


SIDE ELEVATION

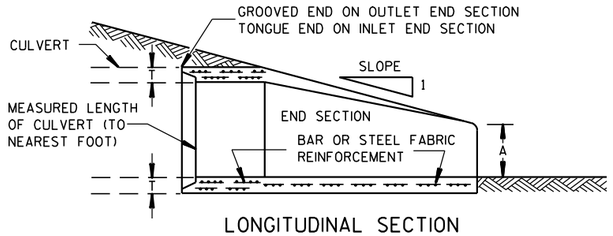
METAL ENDWALLS



PLAN

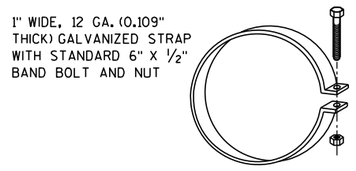


END VIEW



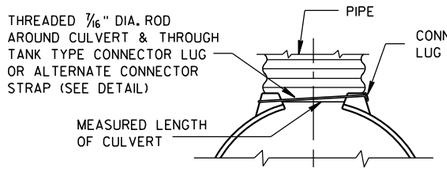
LONGITUDINAL SECTION

CONCRETE ENDWALLS

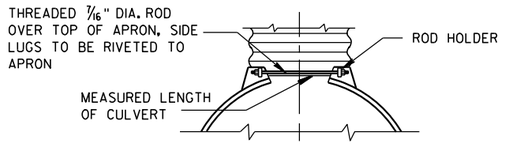


ALTERNATE FOR TYPE 1 CONNECTION

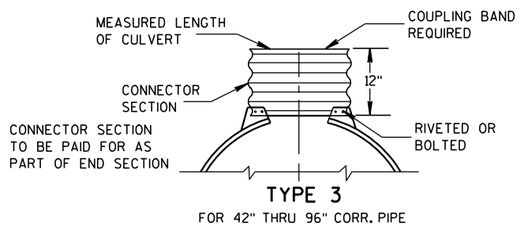
END SECTION CONNECTOR STRAP



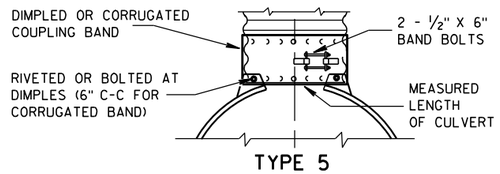
TYPE 1
FOR 12" THRU 24" CORR. PIPE



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

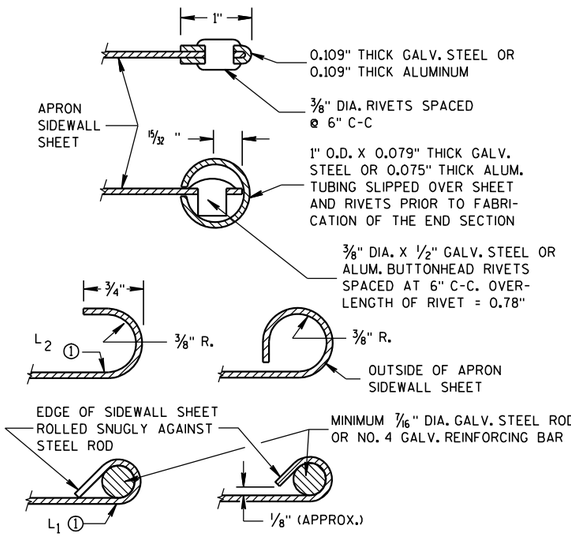
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

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.

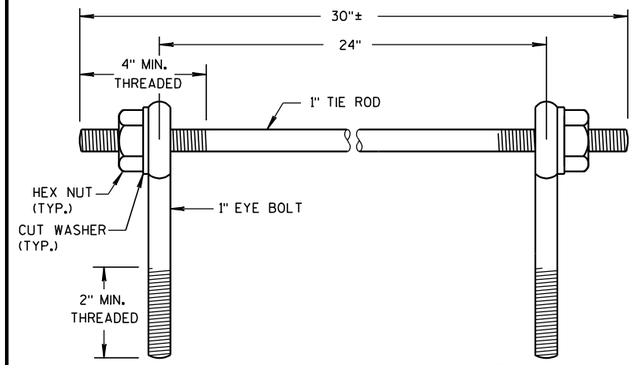
APRON ENDWALLS FOR CULVERT PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

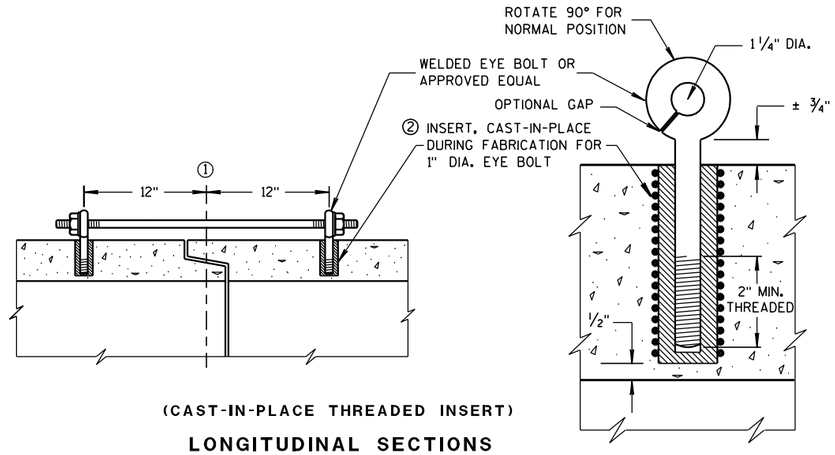
APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOP 254 NEER
FHWA

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.

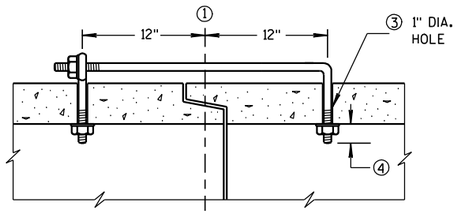
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

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

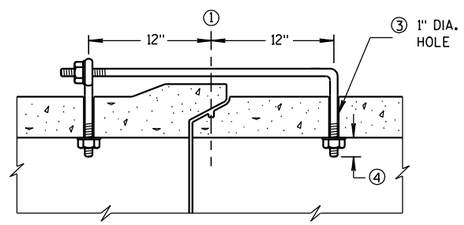
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

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)

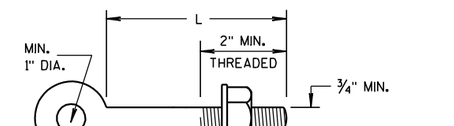


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

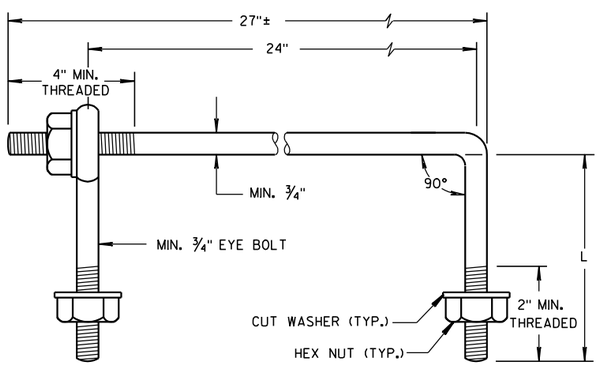
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



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

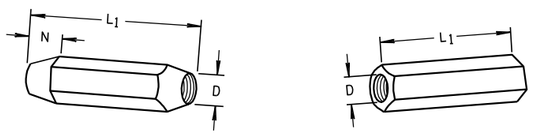
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

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

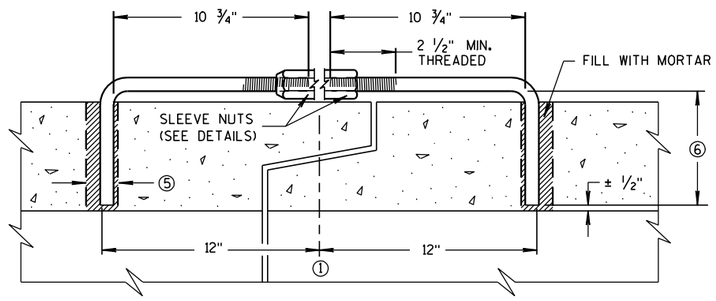
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

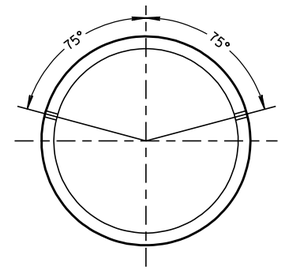
SLEEVE NUTS



LONGITUDINAL SECTION

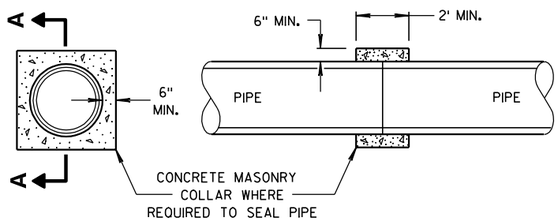
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

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

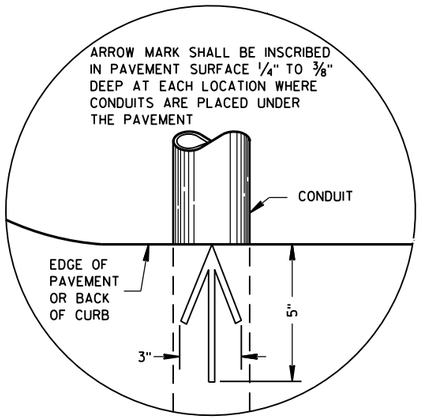
APPROVED
6/5/2012 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
255
FHWA

6

S.D.D. 8 F 4-7

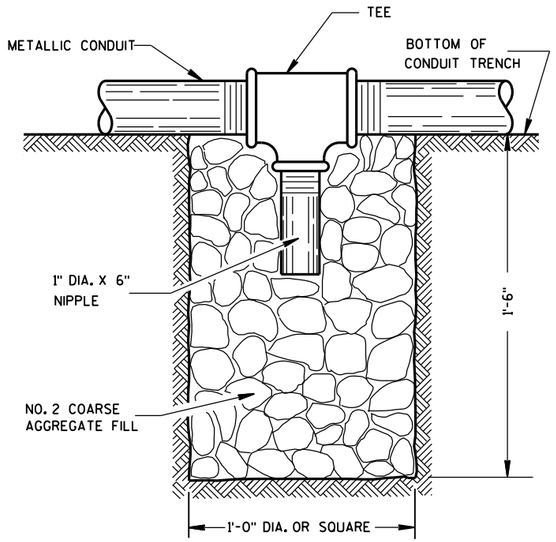
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S.D.D. 8 F 4-7



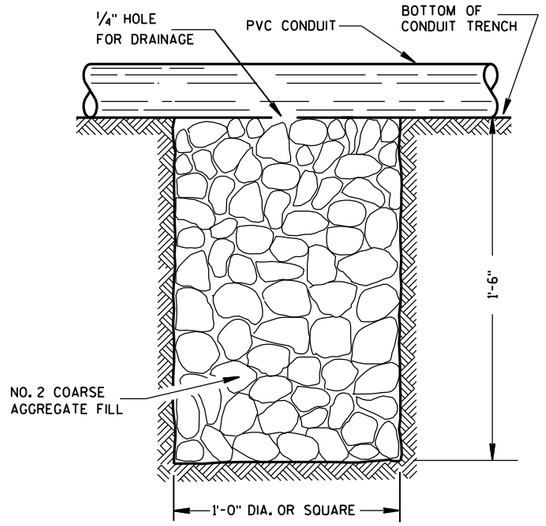
PLAN VIEW

ARROW MARK



NOTE: INSTALL AT LOCATIONS WHERE METALLIC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR METALLIC CONDUIT



NOTE: INSTALL AT LOCATIONS WHERE PVC CONDUITS CANNOT BE PITCHED TO DRAIN INTO A PULL BOX.

DRAIN SUMP FOR PVC CONDUIT

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.

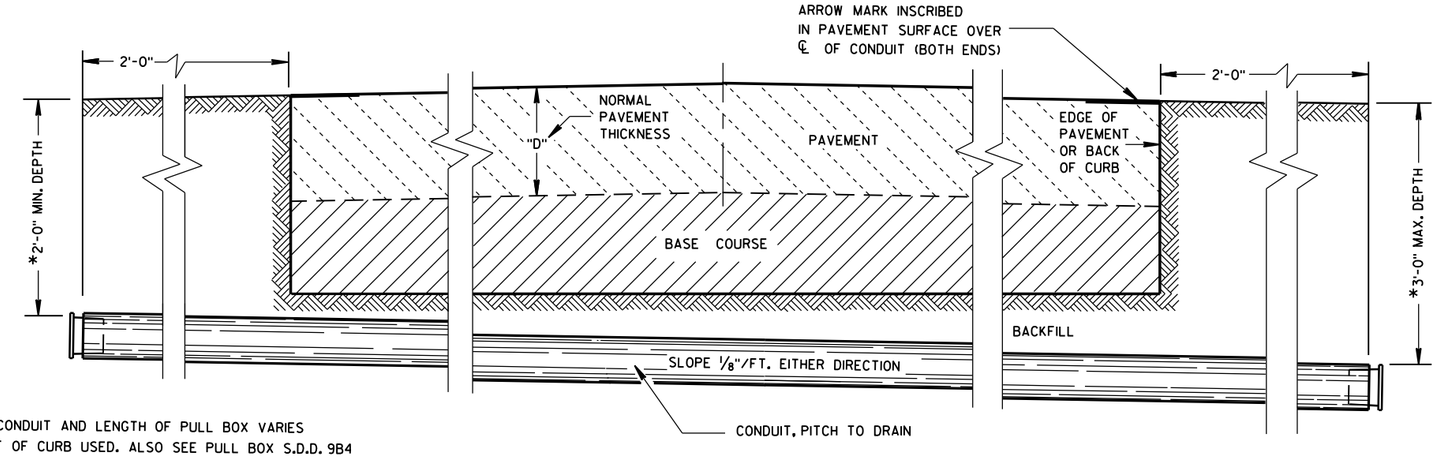
PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

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.



*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

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

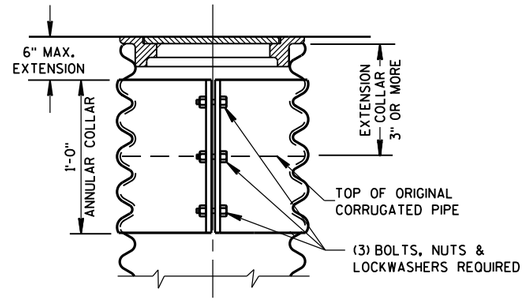
S.D.D. 9 B 2-9

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

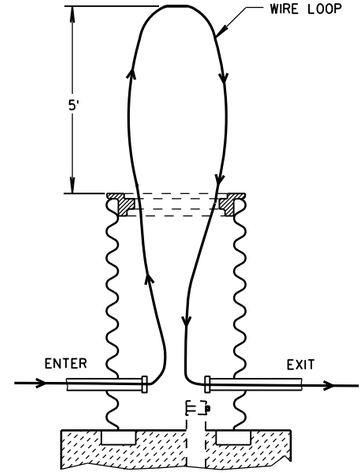
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

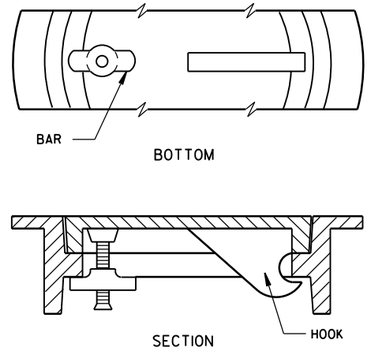
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

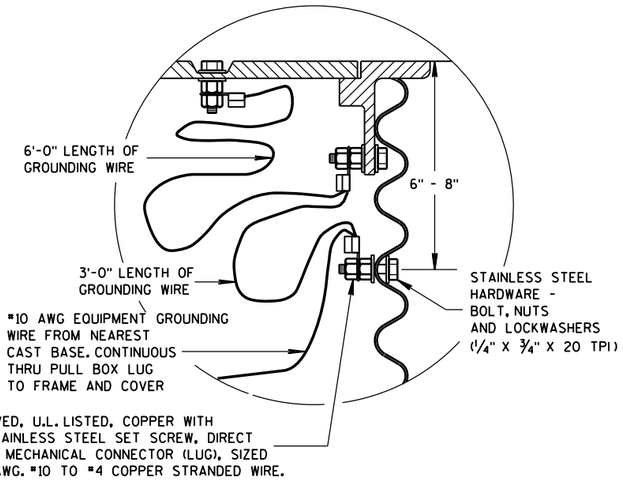


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX

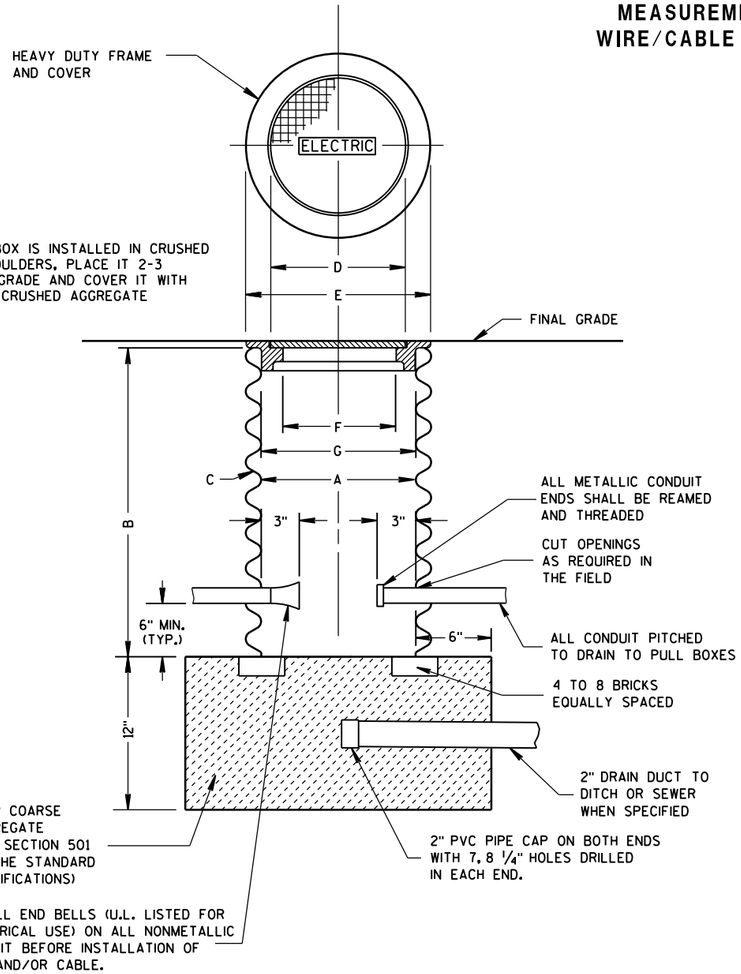


ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES



PULL BOX

GENERAL NOTES

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

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

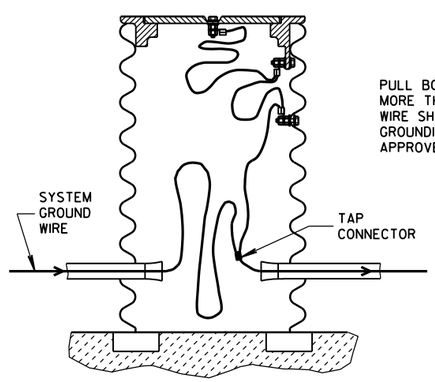
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

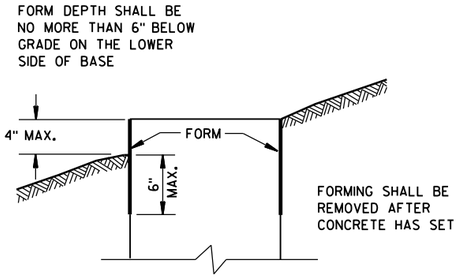
PULL BOX

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 257
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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.

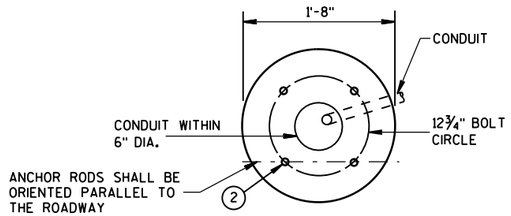
(4) (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

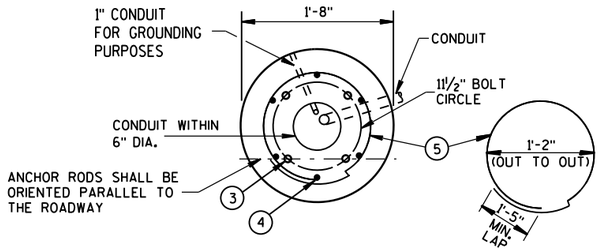
(5) (7) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

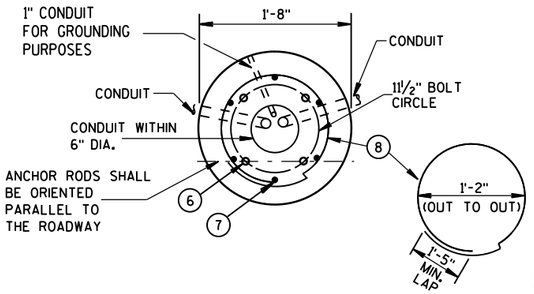
(6) (4) 1" DIA. X 3'-6" ANCHOR RODS.

(7) (6) NO.4 X 4'-8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5'-1" BAR STEEL REINFORCEMENT @ 1'-0" C-C.

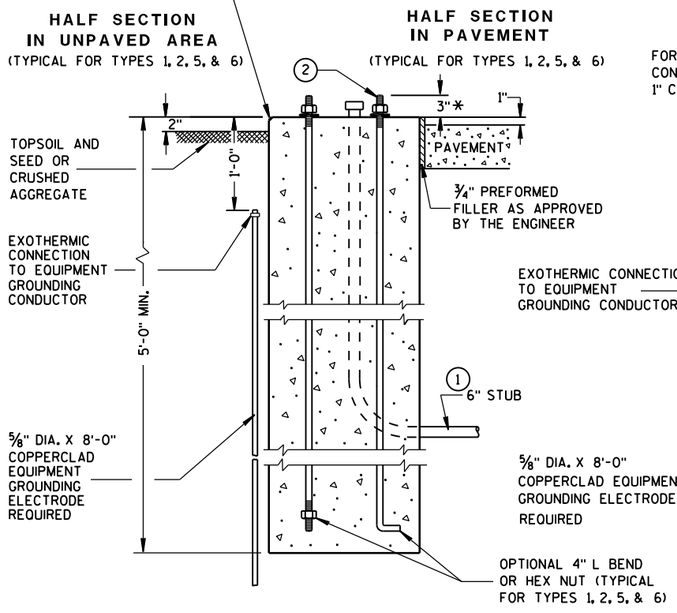


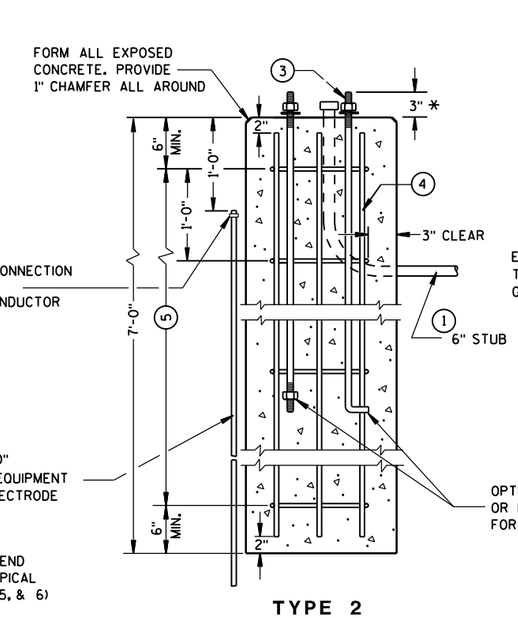




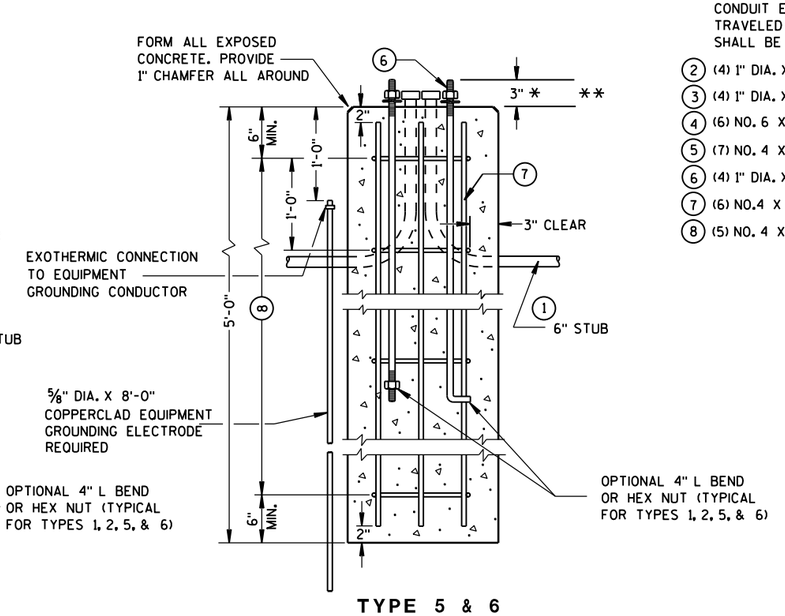
HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5, & 6)

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 258
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GENERAL NOTES

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

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

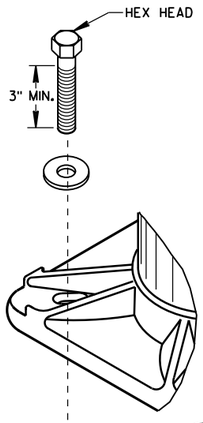
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

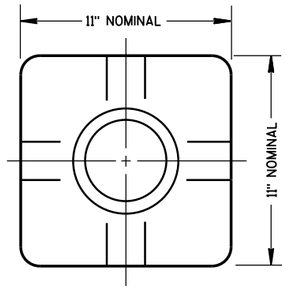
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

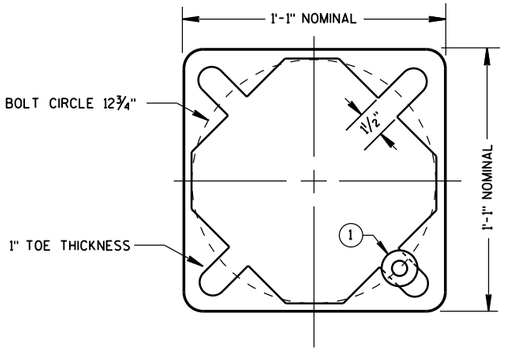
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

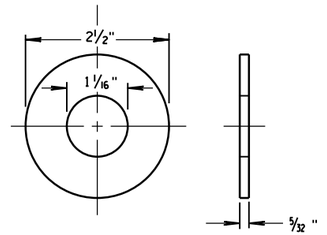




TOP VIEW
(PEDESTAL BASE)

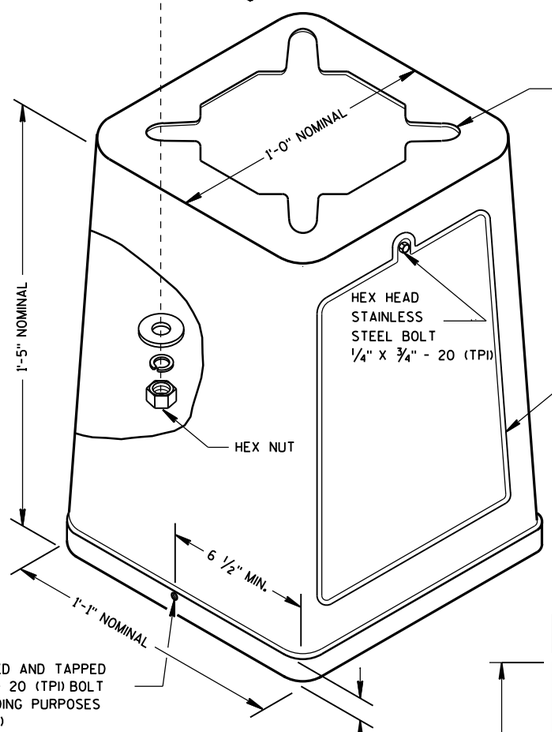


BOTTOM VIEW
(PEDESTAL BASE)

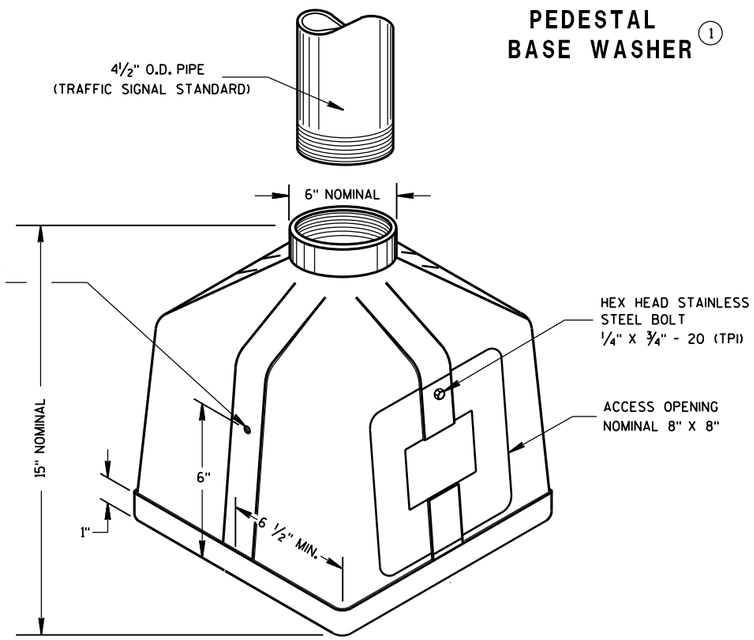


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

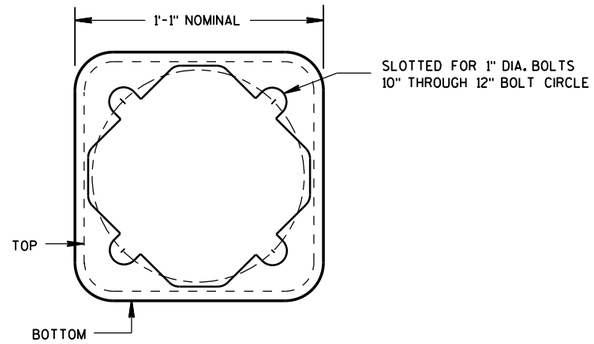
PEDESTAL BASE WASHER (1)



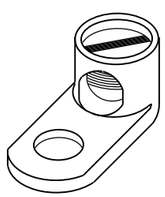
ISOMETRIC VIEW



ISOMETRIC VIEW
PEDESTAL BASE



BOTTOM VIEW
(TRANSFORMER BASE)

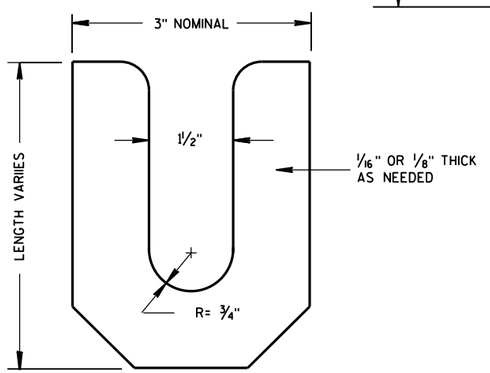


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

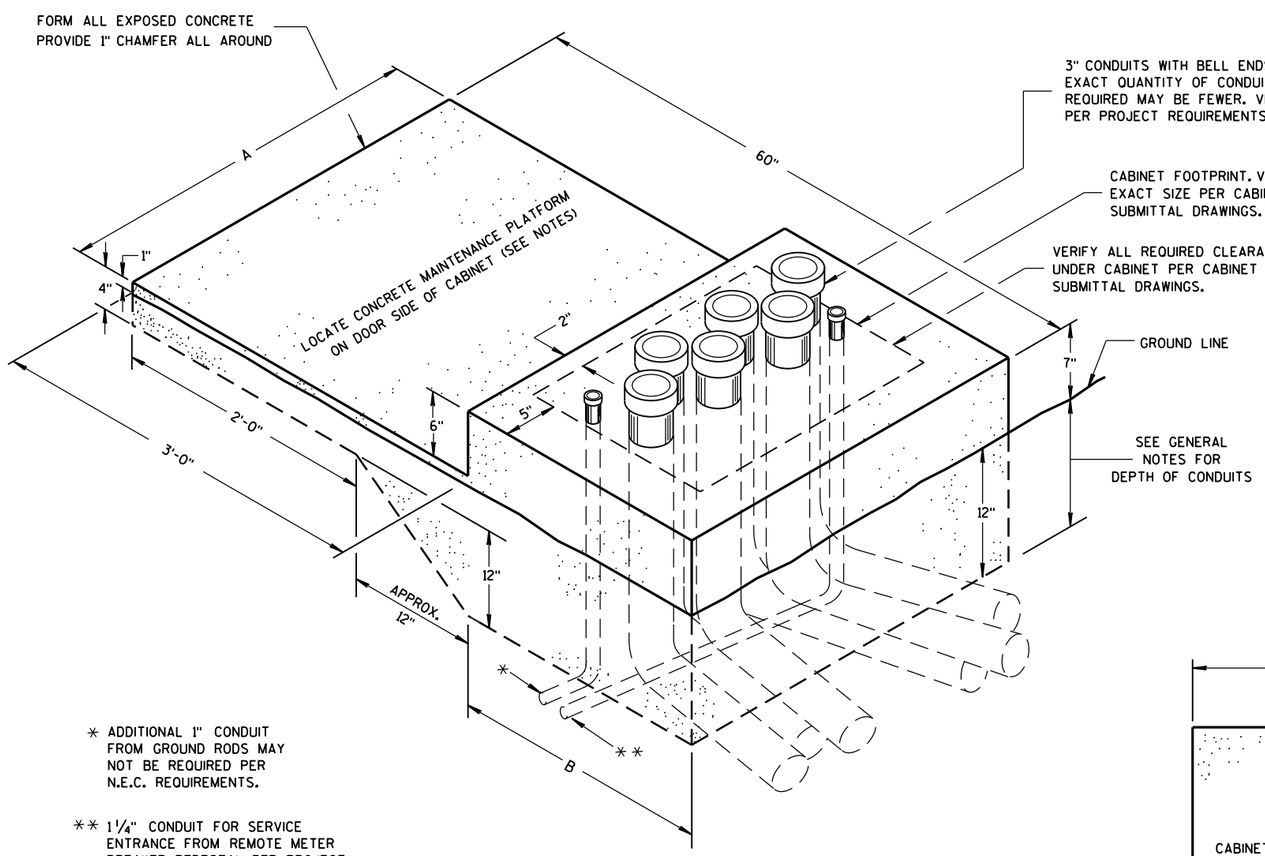
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Sept. 2014 — DATE
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* ADDITIONAL 1" CONDUIT FROM GROUND RODS MAY NOT BE REQUIRED PER N.E.C. REQUIREMENTS.

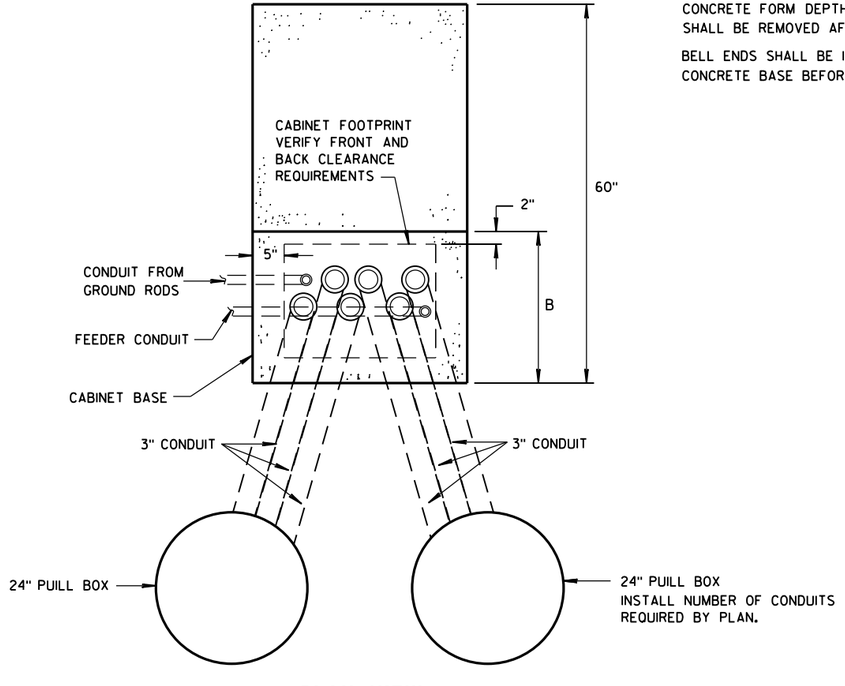
** 1¼" CONDUIT FOR SERVICE ENTRANCE FROM REMOTE METER BREAKER PEDESTAL PER PROJECT REQUIREMENTS. VERIFY LOCATION OF CONDUIT DEPENDENT UPON LOCATION OF INCOMING FEEDER AND FOR EASE OF CONNECTION TO LOAD CENTER.

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.

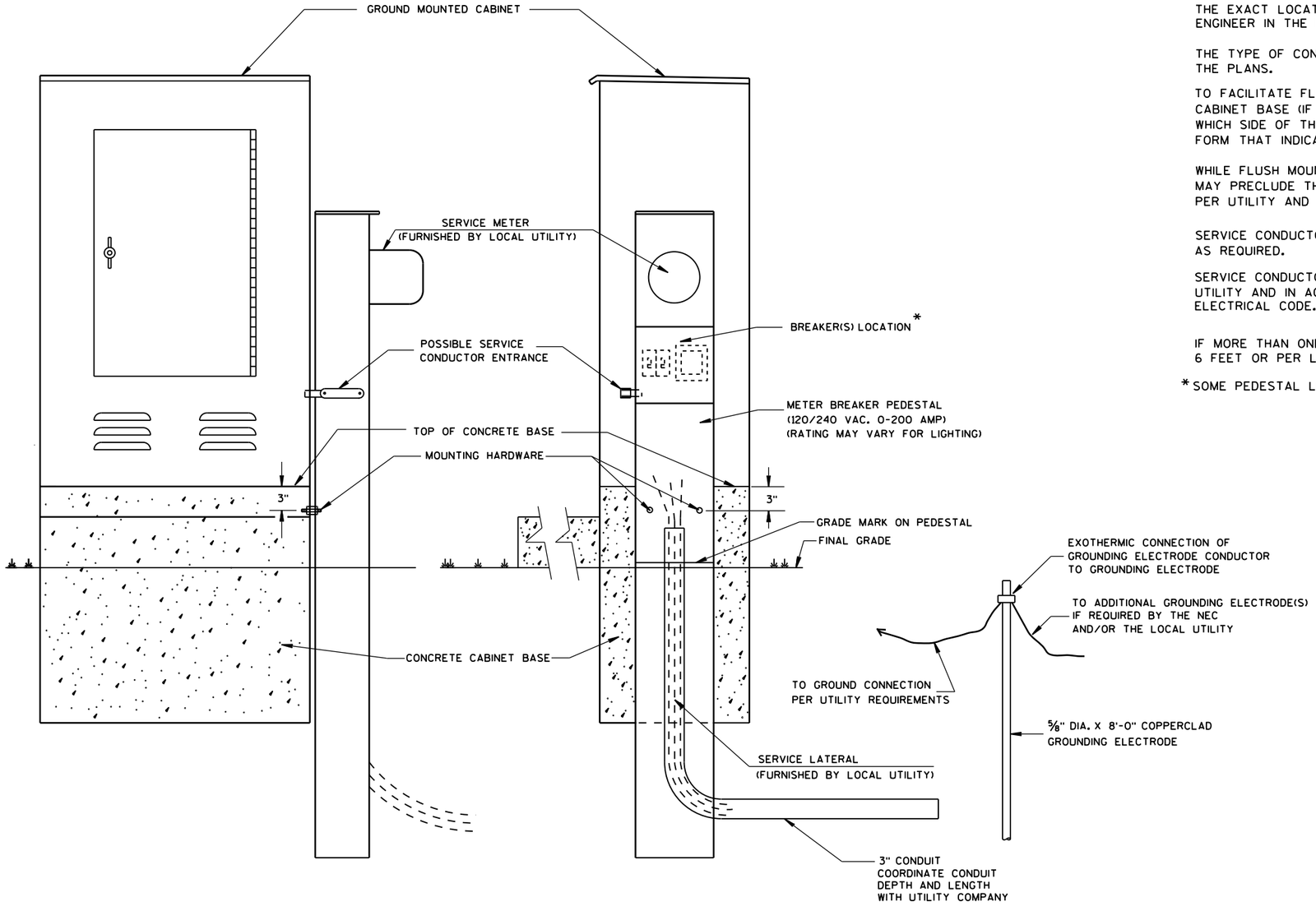
CONCRETE CONTROL CABINET BASE, TYPE L

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Nov. 2014 — DATE
/S/ Thomas Gonring — STATE LIGHTING ENGINE
FHWA

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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
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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.

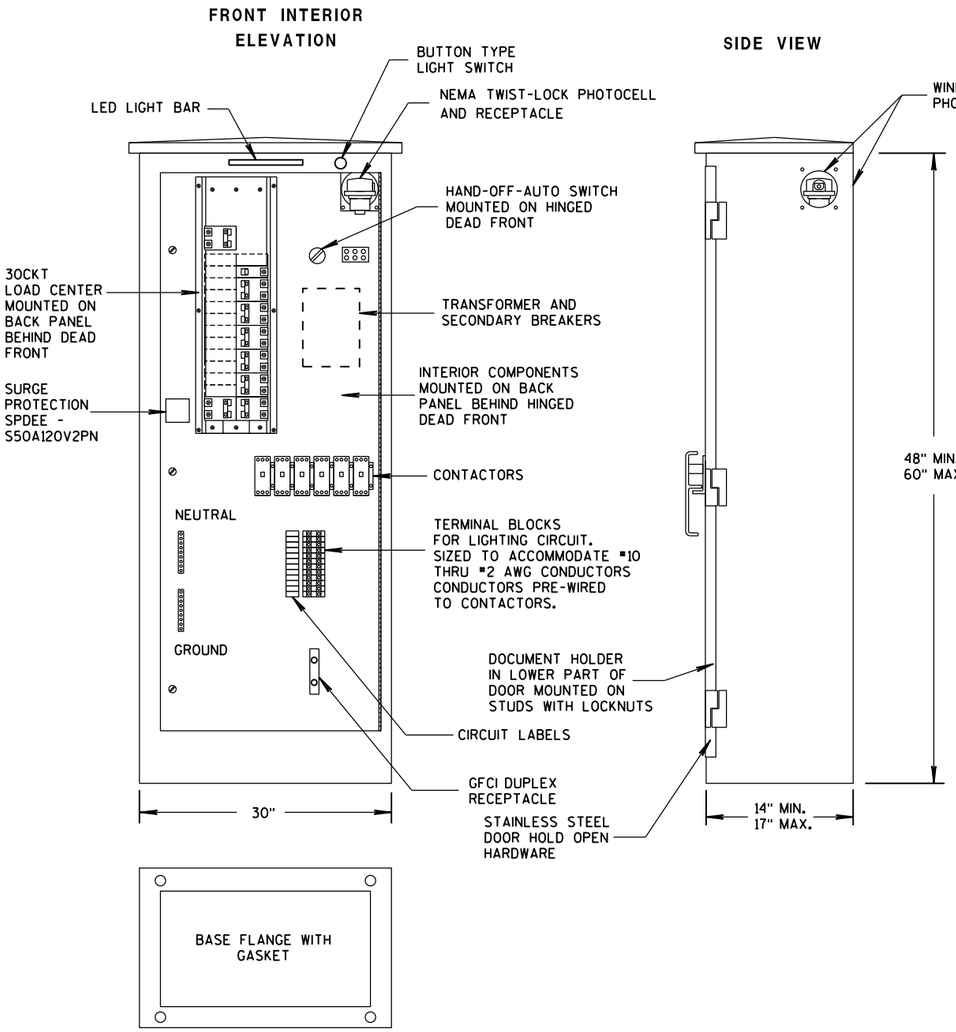
ALL INTERNAL ELECTRICAL COMPONENTS WILL BE PRE-WIRED BY THE CABINET FABRICATOR.

ALL CONDUIT ENTRIES SHALL BE SEALED WITH AN APPROPRIATE DUCT SEALING COMPOUND.

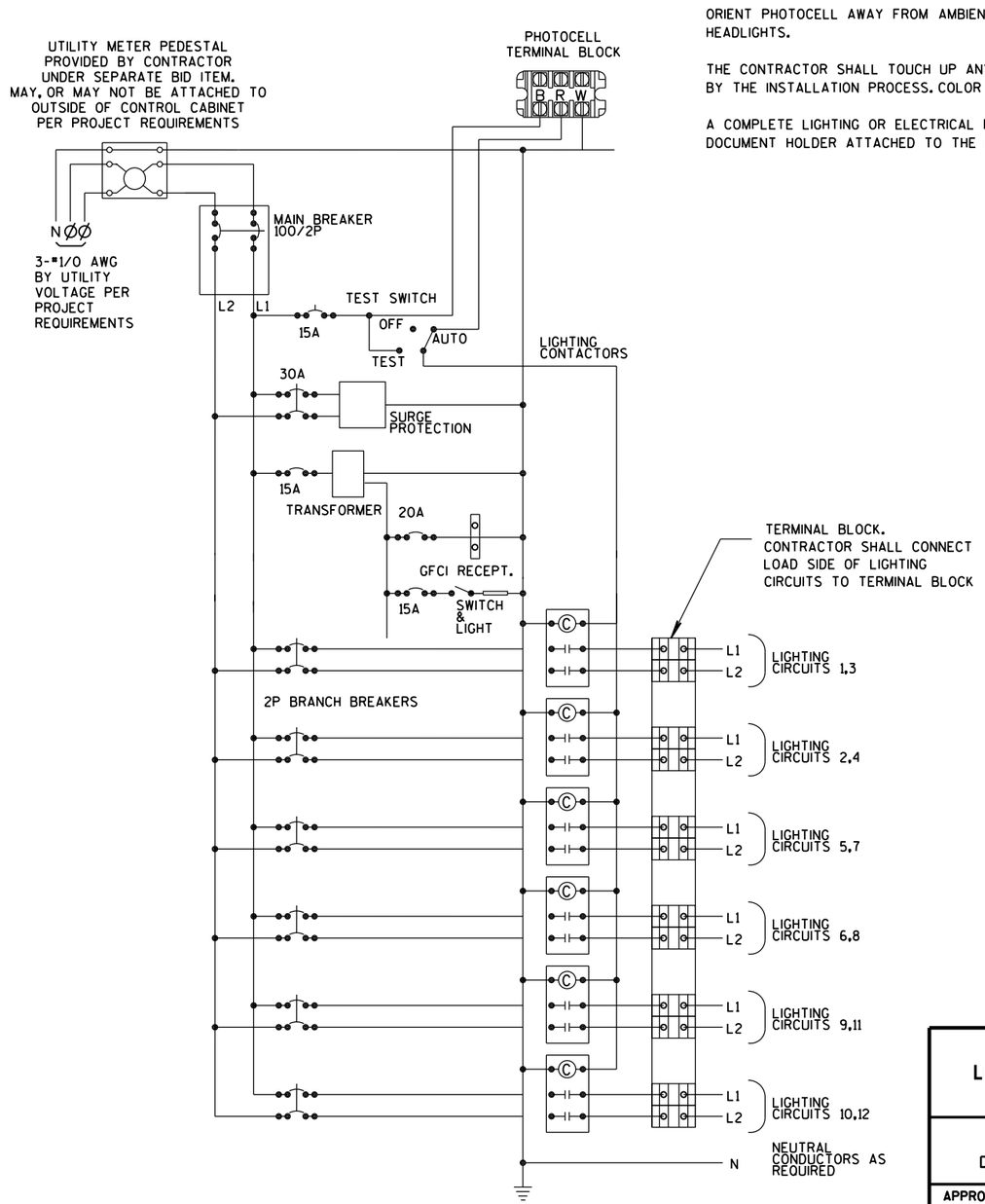
ORIENT PHOTOCELL AWAY FROM AMBIENT LIGHT SOURCES AND ONCOMING TRAFFIC HEADLIGHTS.

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.



LIGHTING CONTROL CABINET



CONTROL CABINET SCHEMATIC

L30
LIGHTING CONTROL CABINET
240/480 VOLT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

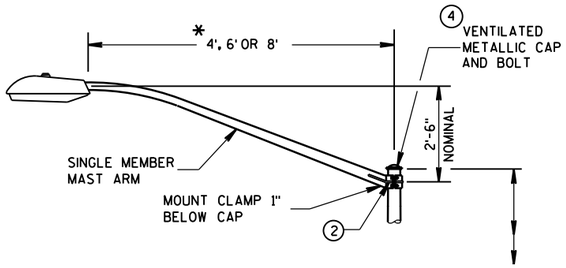
APPROVED

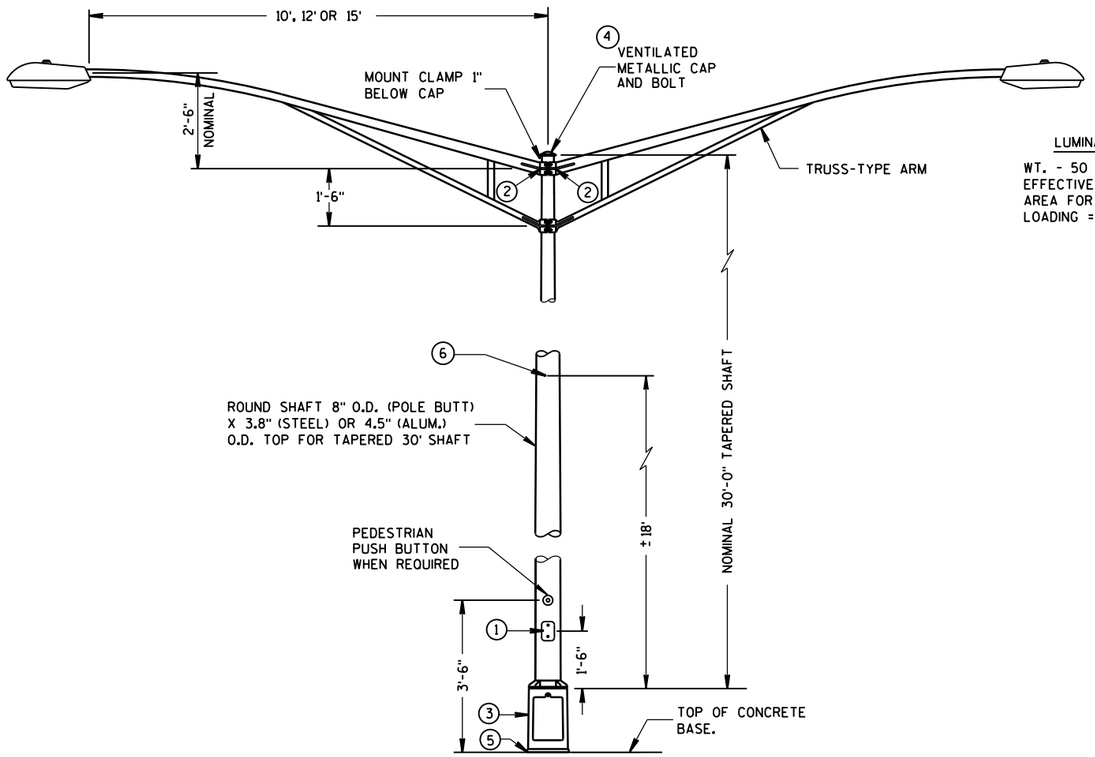
Sept. 2015	/S/ Thomas Gonring	
DATE	STATE LIGHTING ENGINEER	WYS.

FHWA

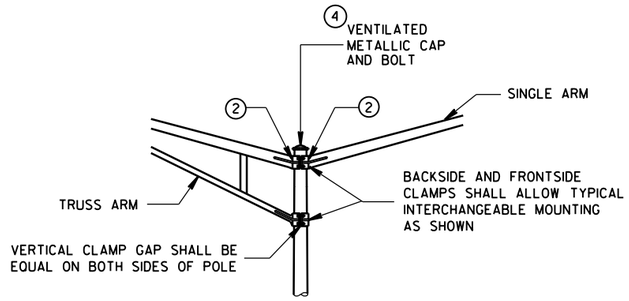
6
S.D.D. 9 D 5-1

*RISE FOR 4' ARM SHALL BE 2'-0".





TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY



INTERCHANGEABLE MOUNTING DETAIL

LUMINAIRE

WT. - 50 LBS.
EFFECTIVE PROJECTED
AREA FOR WIND
LOADING = 1.5 SQ. FT.

GENERAL NOTES

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

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

THE TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.188".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONEECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY WITH 2 (TWO) ¼" X ¾" - 20 TPI HEX HEAD STAINLESS STEEL BOLTS.

(2) GROMMETS, 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND THE TRANSFORMER BASE.

(6) INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.

6

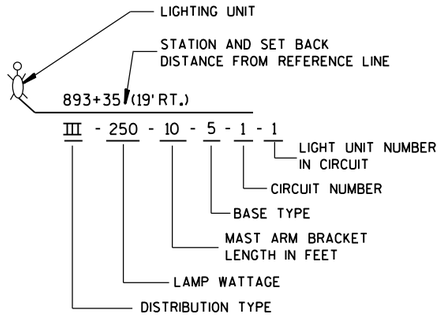
S.D.D. 9 E 1-14d

POLE MONTINGS FOR
LIGHTING UNITS, TYPE 5
(30 FEET)

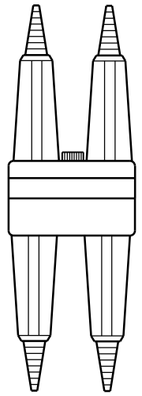
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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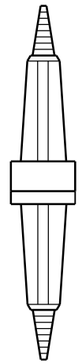
S.D.D. 9 E 1-14d



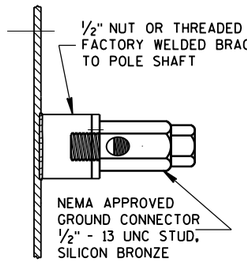
LIGHTING UNIT CODE
(TYPICAL)

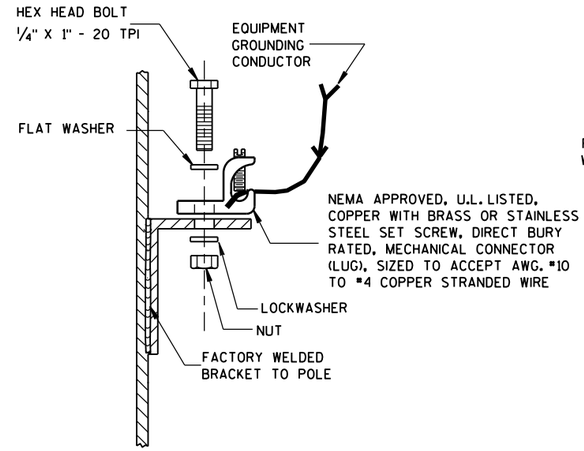


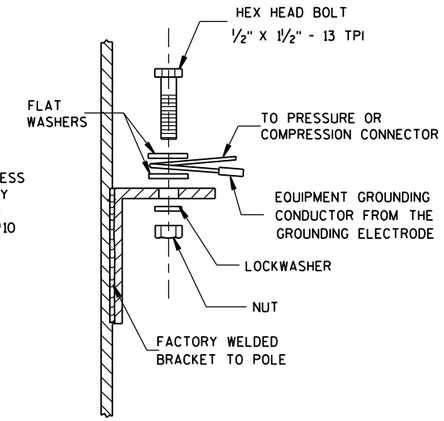
DETAIL "A"
BREAKAWY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



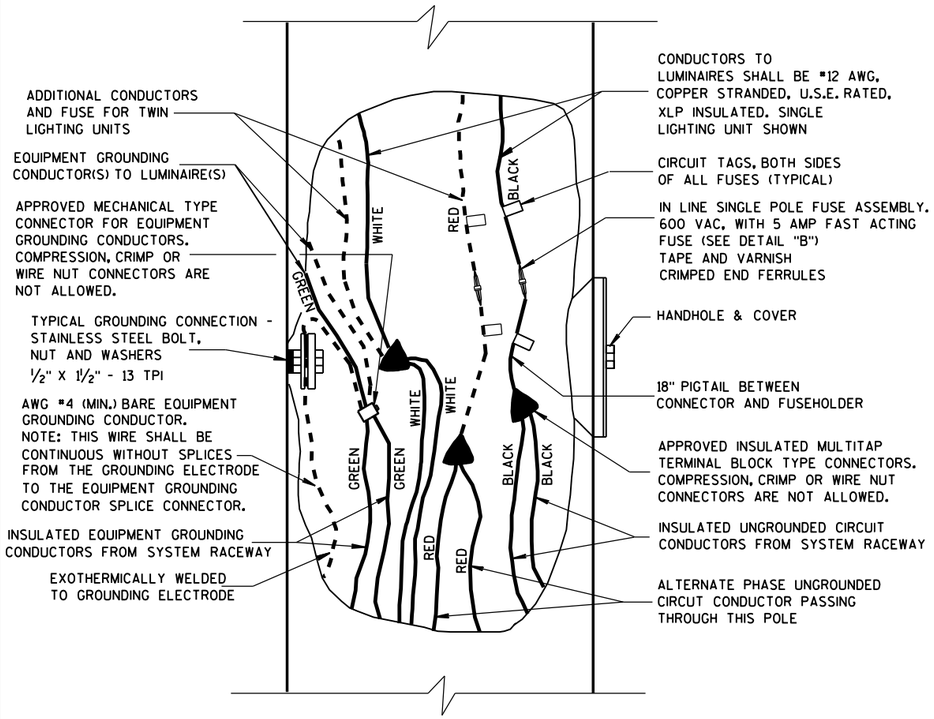
DETAIL "B"
BREAKAWY SINGLE POLE WITH WATERPROOF INSULATING BOOT



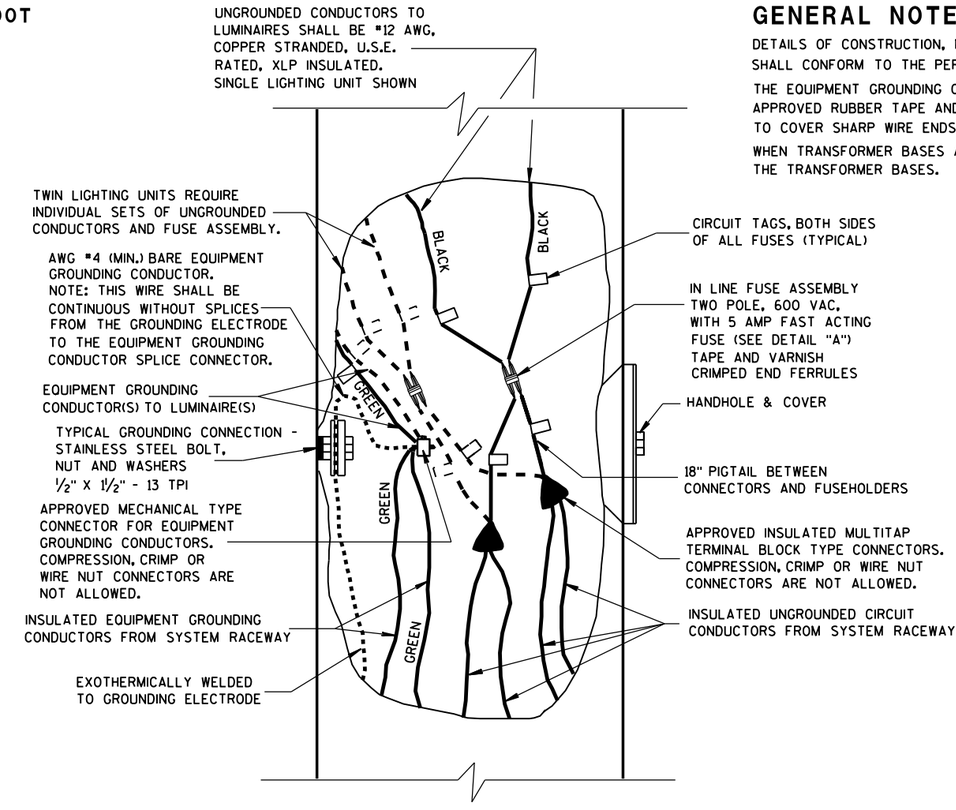




TYPICAL GROUNDING CONNECTIONS
NUT, BOLT, WASHERS AND LOCKWASHERS SHALL BE STAINLESS STEEL



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.

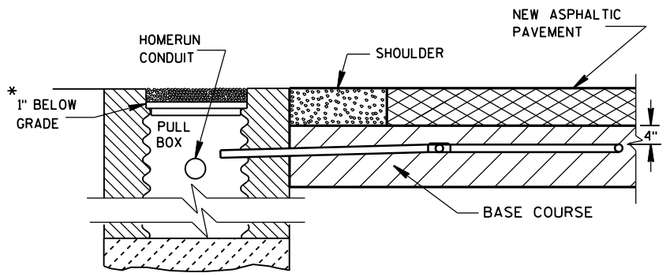
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.

NON-FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

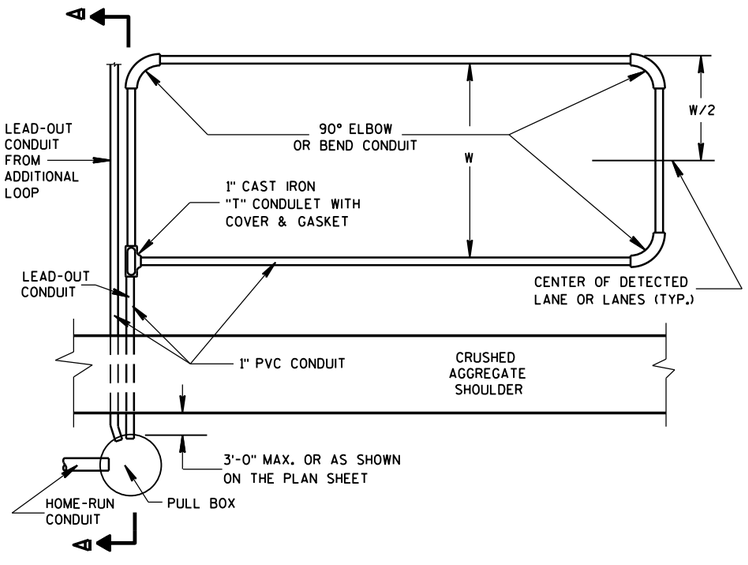
6
S.D.D. 9 E 3-5



SECTION A-A
NO CURB & GUTTER

DETECTOR LOOP INSTALLATION DETAIL

*RECESS PULL BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.



TYPICAL PLAN OF LOOP DETECTOR

GENERAL NOTES

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

LOOP SIZE, LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD-OUT CONDUIT TO DRAIN TO ROADSIDE PULL BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

THE #12 AWG LOOP WIRE FROM THE LOOP TO THE ROADSIDE PULL BOX, SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE INSTALLATION.

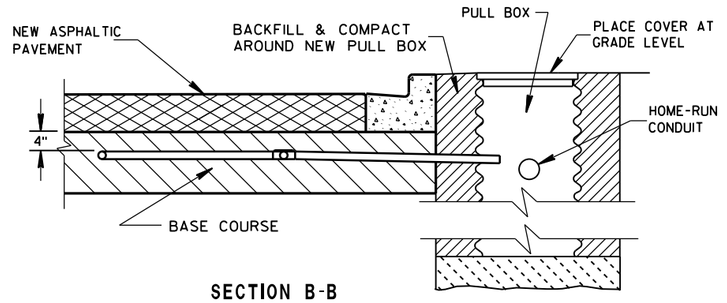
SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL BOX, THROUGH THE LOOP DUCT, BACK TO THE ROADSIDE PULL BOX, AND BE INSTALLED IN ONE, NON-SPLICED, CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT AND CONDULET SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE THE ASPHALTIC PAVEMENT IS PLACED.

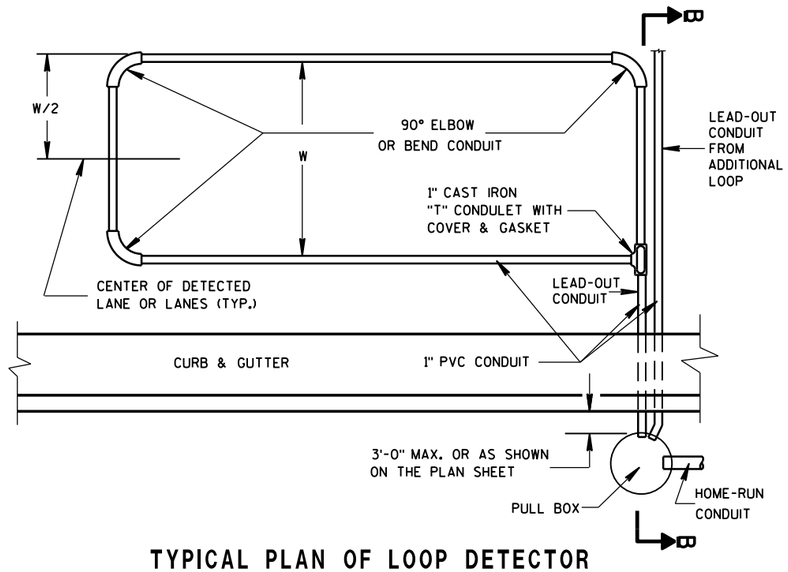
WHEN MULTIPLE LAYERS OF ASPHALTIC PAVEMENT ARE TO BE PLACED, LOOPS MAY BE INSTALLED BY SAWING A TWO INCH WIDE SLOT IN THE FIRST LAYER, DIG OUT THE ASPHALTIC MATERIAL AND BASE COURSE, PLACE THE LOOP, FILL THE SLOT WITH BASE COURSE MATERIAL AND NEW ASPHALTIC MATERIAL AND TAMP THE ASPHALTIC MATERIAL IN PLACE.

SHOULD TRAFFIC BE ALLOWED TO USE THE AREA OF ROADWAY WITH THE NEWLY INSTALLED LOOP BEFORE THE PLACEMENT OF THE NEXT LAYER OF ASPHALTIC PAVEMENT, THE SLOT/PAVEMENT OPENING SHALL BE SEALED WITH HOT POURED ELASTIC TYPE MATERIAL CONFORMING TO THE REQUIREMENTS OF THE "SPECIFICATION FOR JOINT SEALANTS, HOT POURED, FOR CONCRETE AND ASPHALT PAVEMENTS, ASTM DESIGNATION: D3405".



SECTION B-B
CURB & GUTTER

LOOP DETECTOR INSTALLATION DETAIL



TYPICAL PLAN OF LOOP DETECTOR

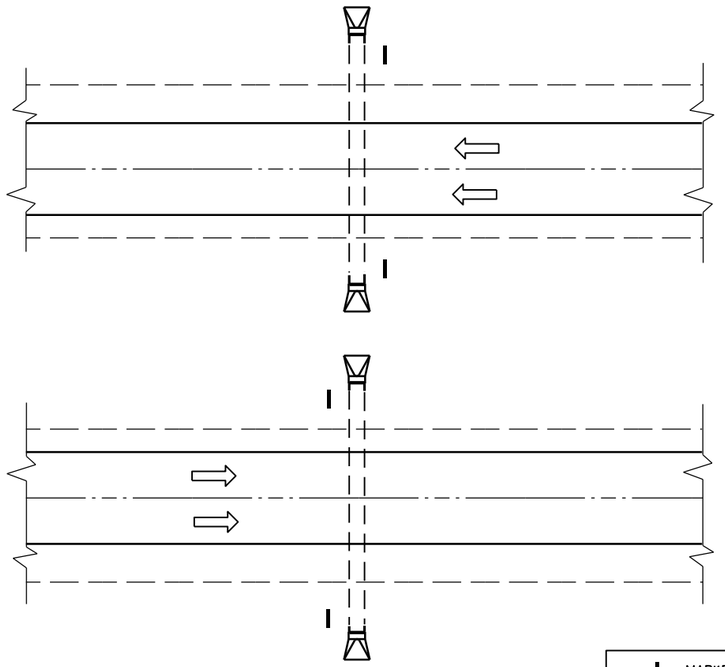
LOOP DETECTOR PLACED IN CRUSHED AGGREGATE BASE (NEW ASPHALTIC PAVEMENT)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

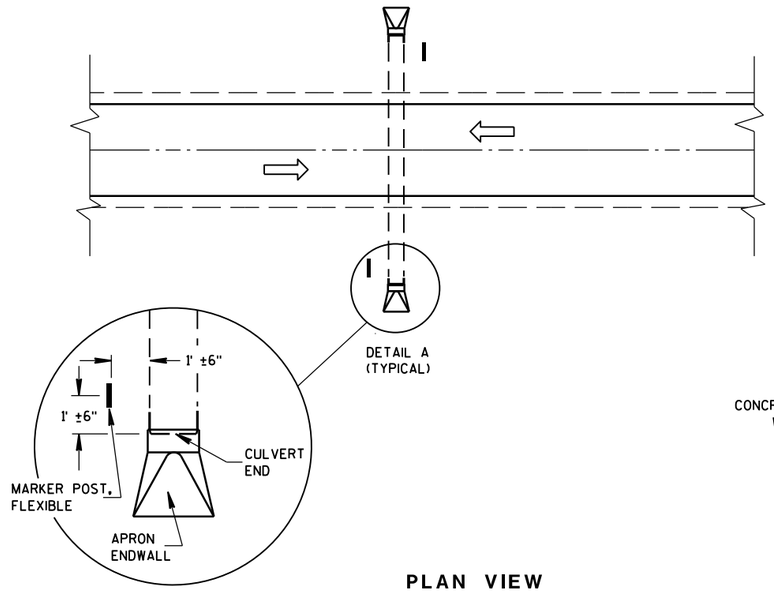
6

S.D.D. 9 F 8-4



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

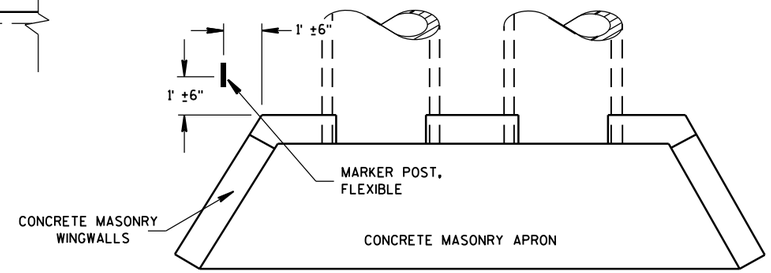
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

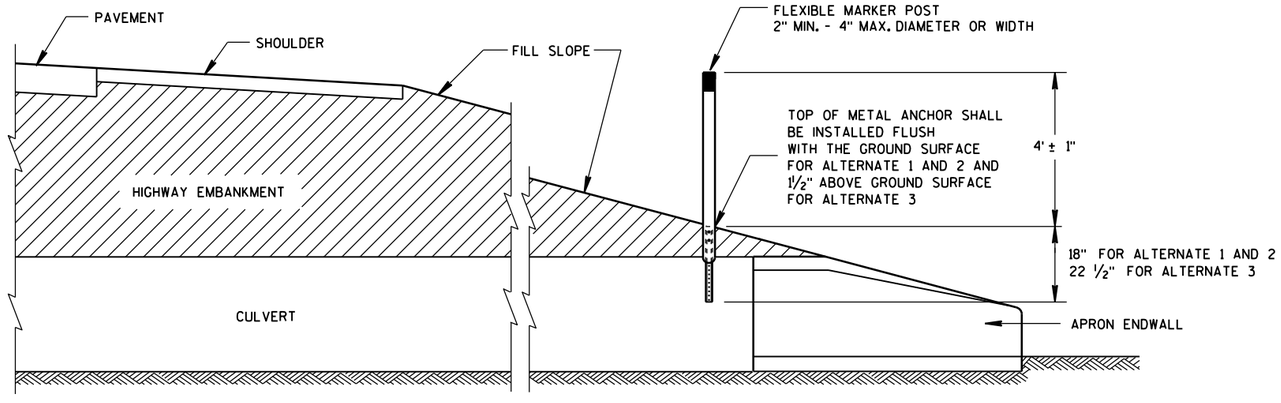
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

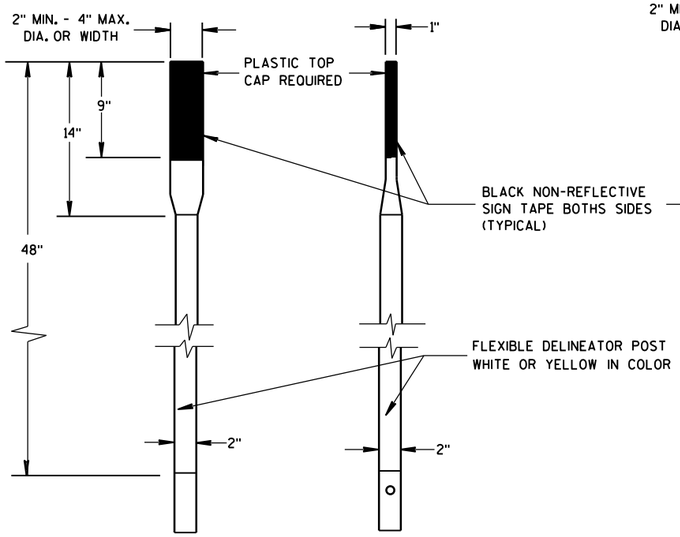
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

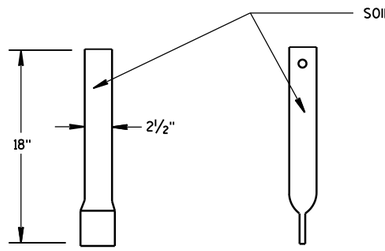
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S.D.D. 15 A 3-2a

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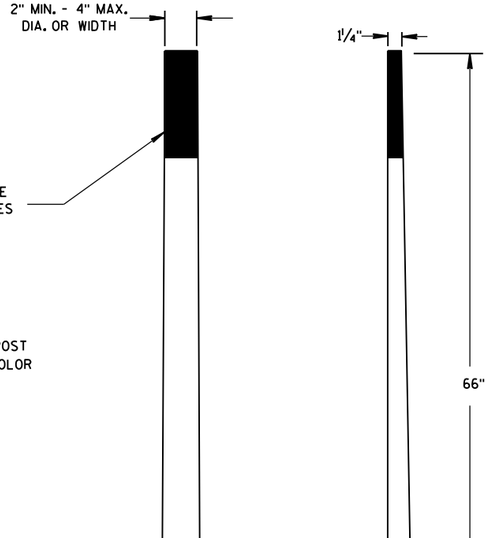
S.D.D. 15 A 3-2a





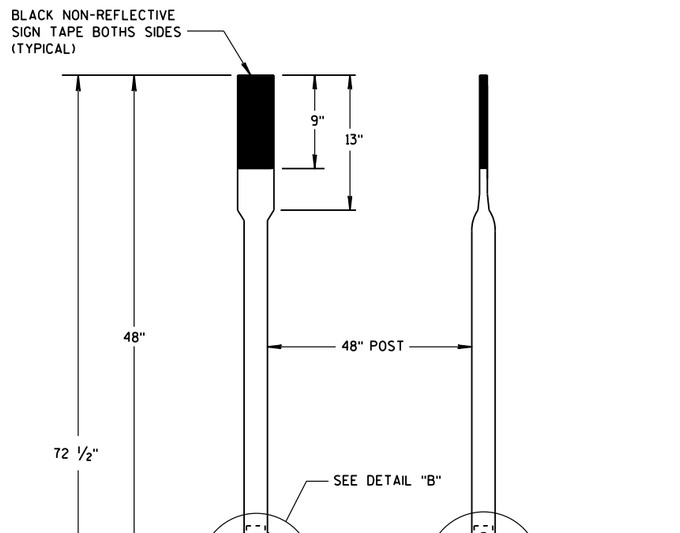
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

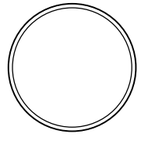
ALTERNATE 2



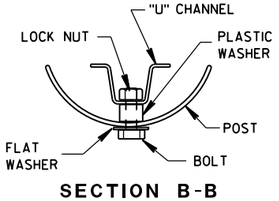
FRONT VIEW SIDE VIEW

ALTERNATE 3

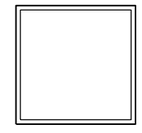
FLEXIBLE MARKER POSTS



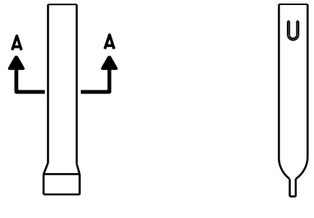
SECTION A-A



SECTION B-B

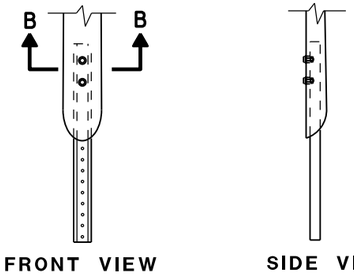


SECTION C-C



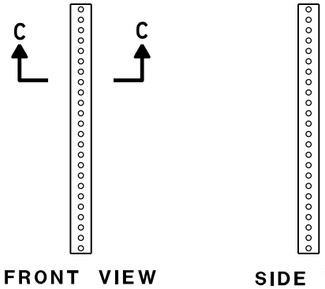
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

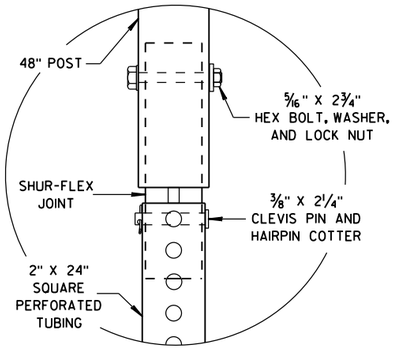
ALTERNATE 2



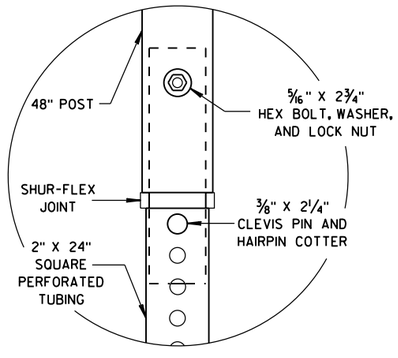
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

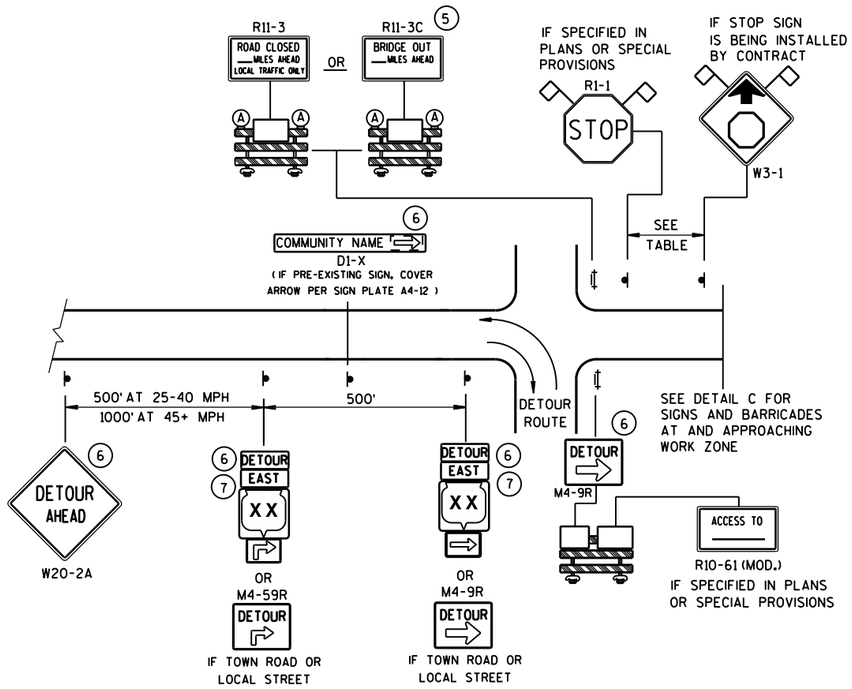
APPROVED
10/1/2012 — DATE
/S/ Travis Feltes — STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 15 A 3-2b

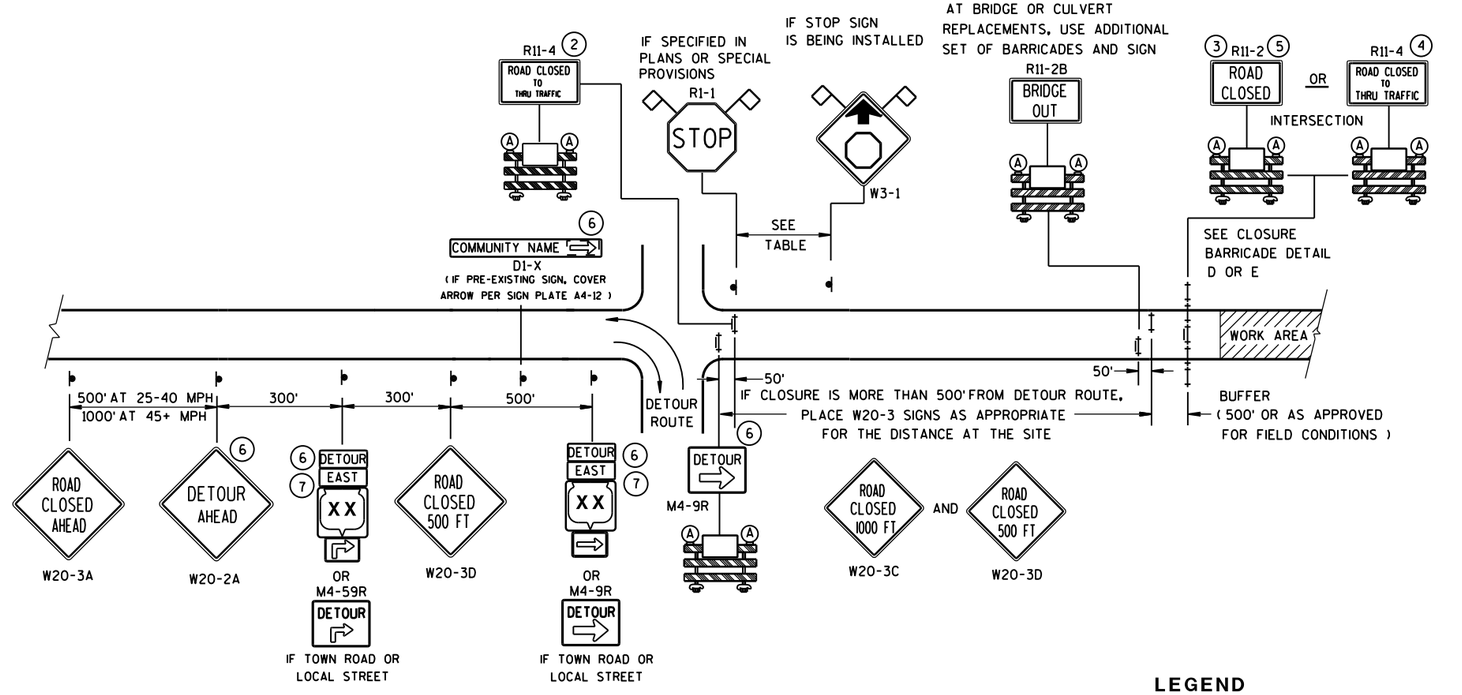
6

S.D.D. 15 A 3-2b



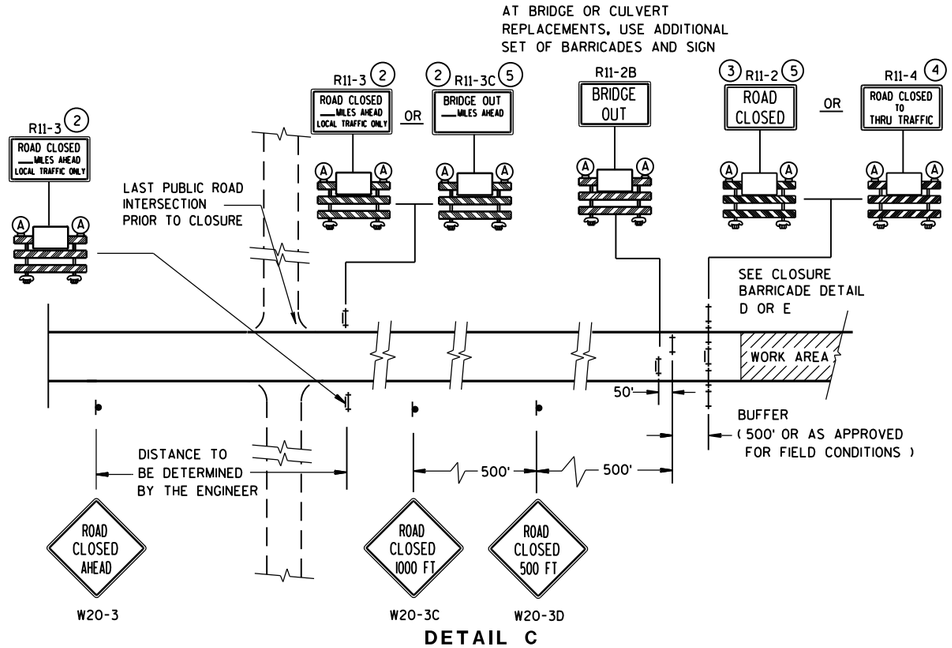
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

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



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

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

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

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

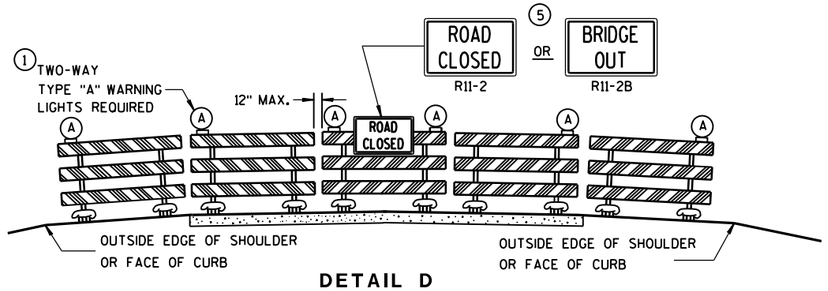
Sept. 2015 — DATE
/S/ Peter Amakobe Atepe
STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER
FHWA

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S.D.D. 15 C 2-6a

6

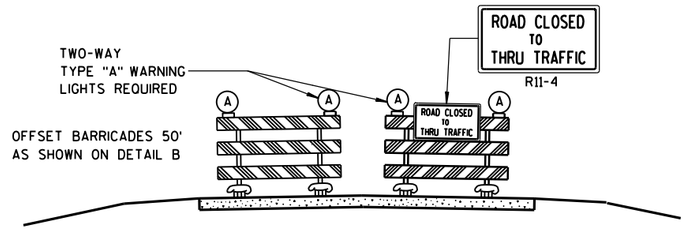
S.D.D. 15 C 2-6a



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

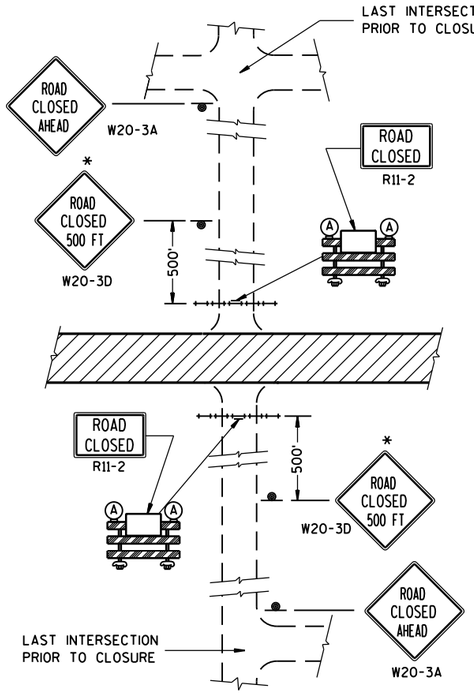
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Sept. 2015 — DATE

/S/ Peter Amakobe Atepe
STATEWIDE WORK ZO SAFETY ENGII — FHWA — FIC

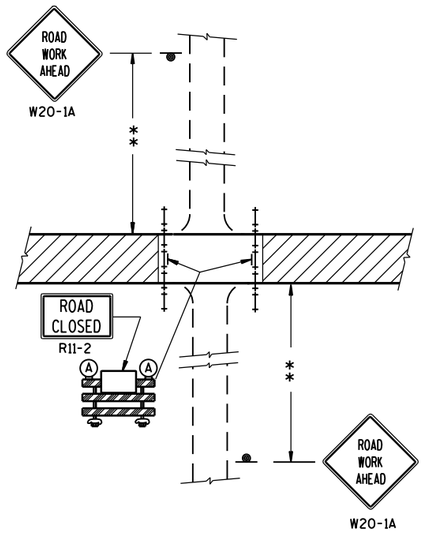
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S.D.D. 15 C 2-6b



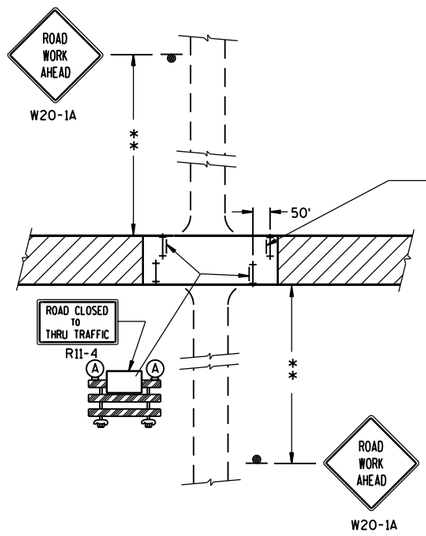
DETAIL 1

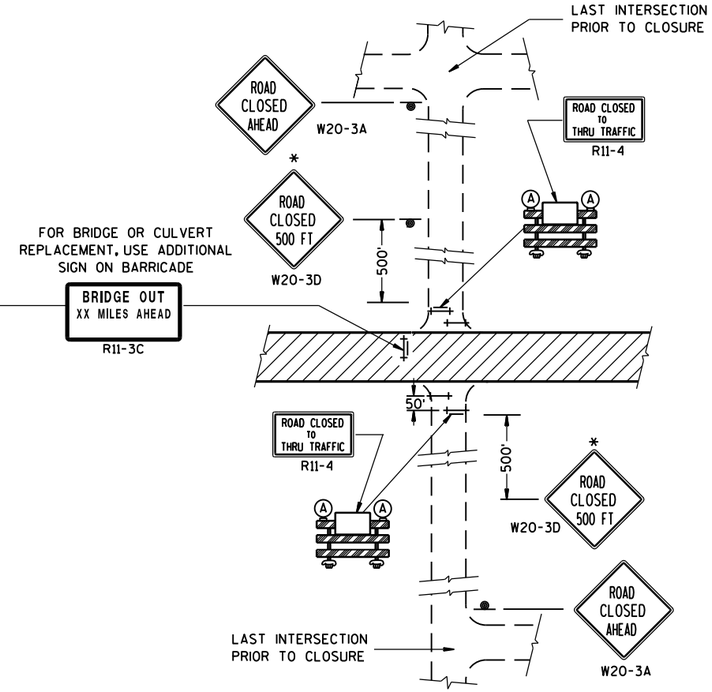
(NO ACCESS TO PROJECT)



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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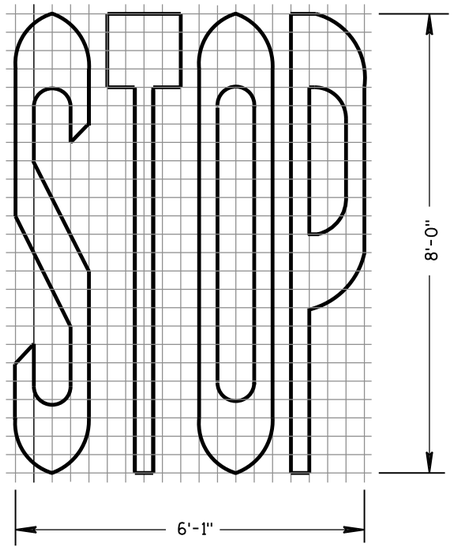
S.D.D. 15 C 3-3

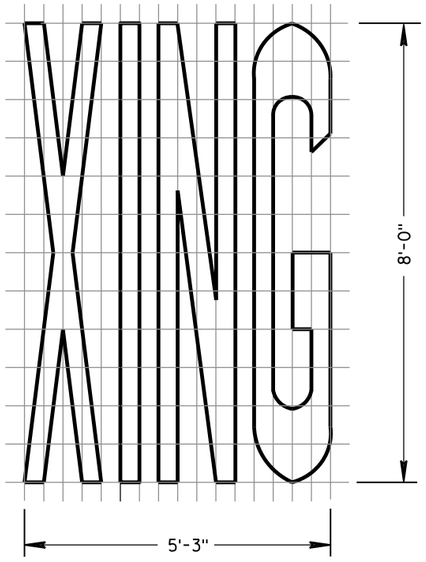
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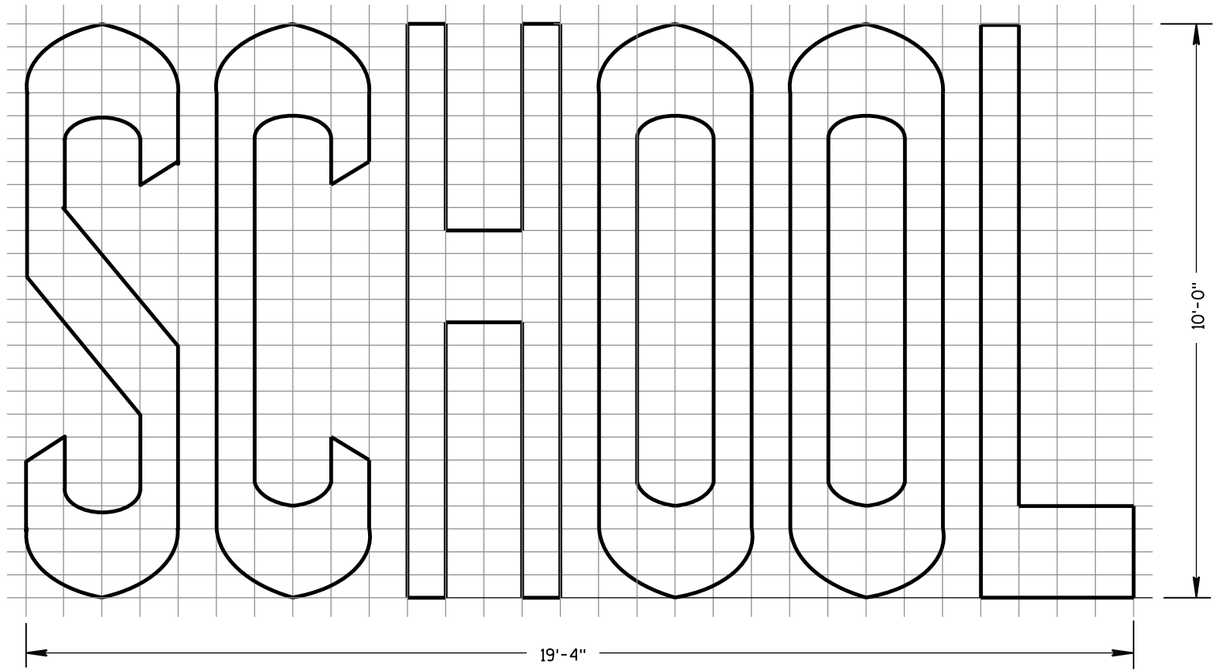
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GENERAL NOTES

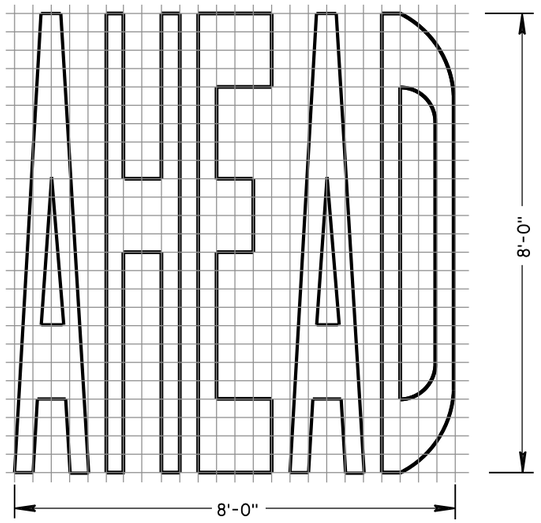
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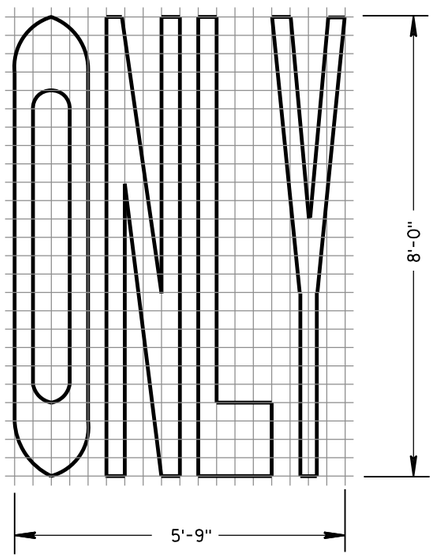


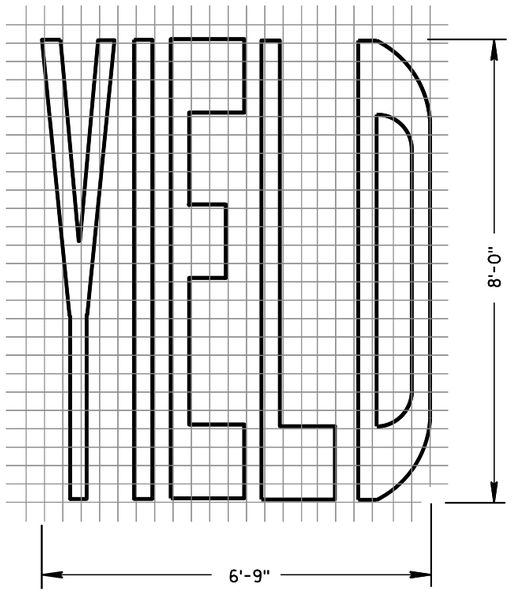


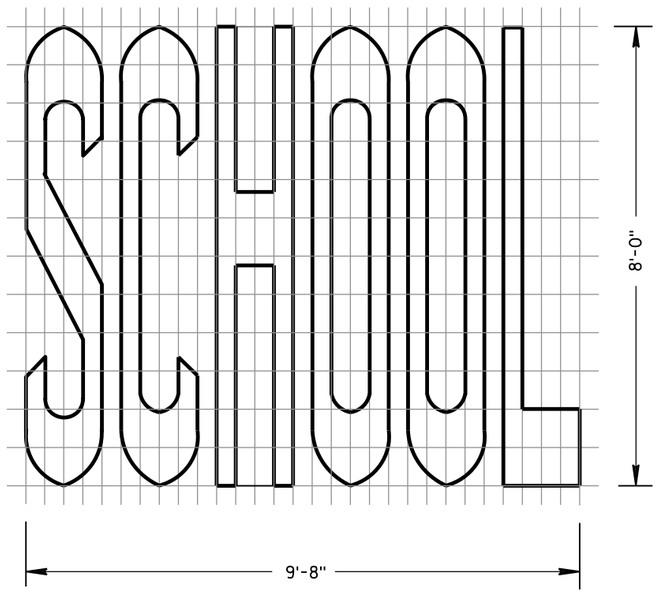


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-16	/S/ Matthew R. Rauch	
DATE	STATE SIGNING AND MARK	EER

FHWA

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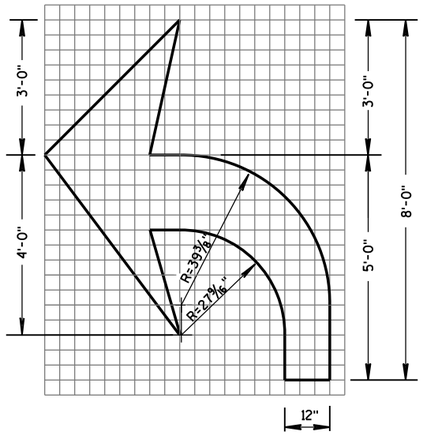
S.D.D. 15 C 7-13b

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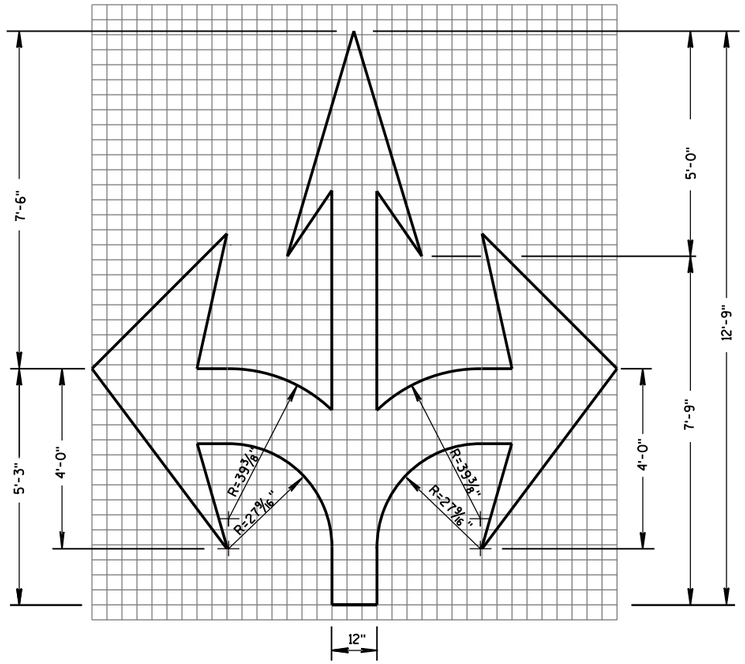
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GENERAL NOTES

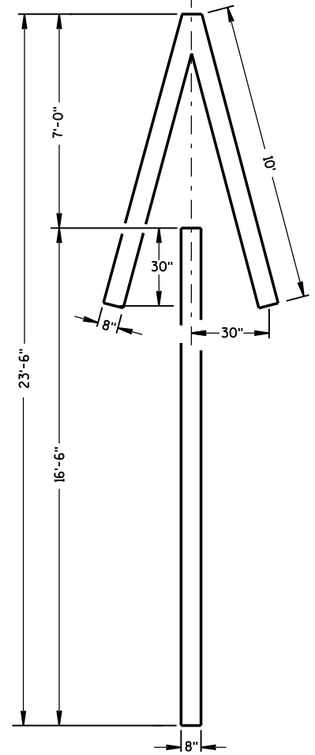
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



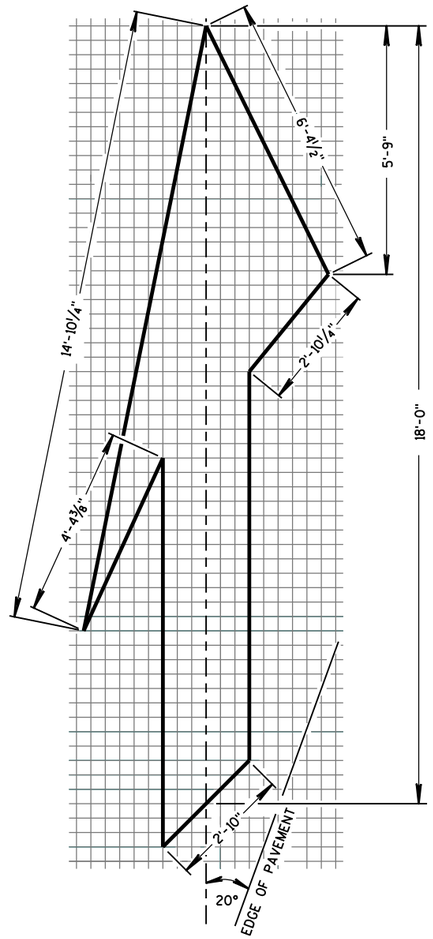
TYPE 2



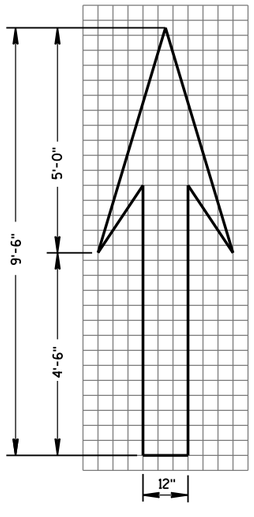
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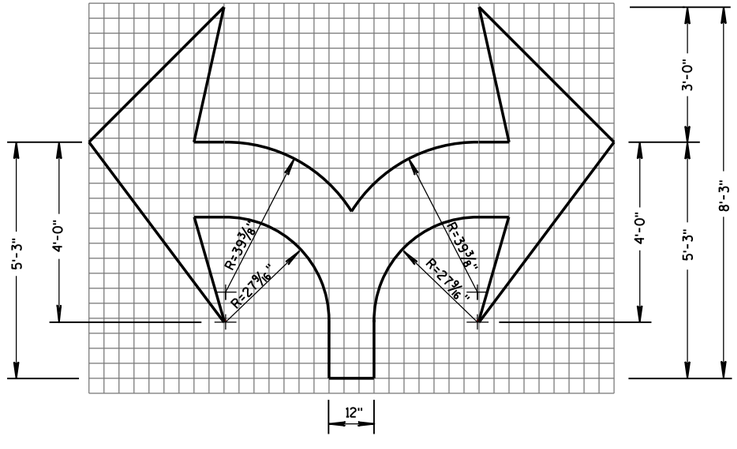
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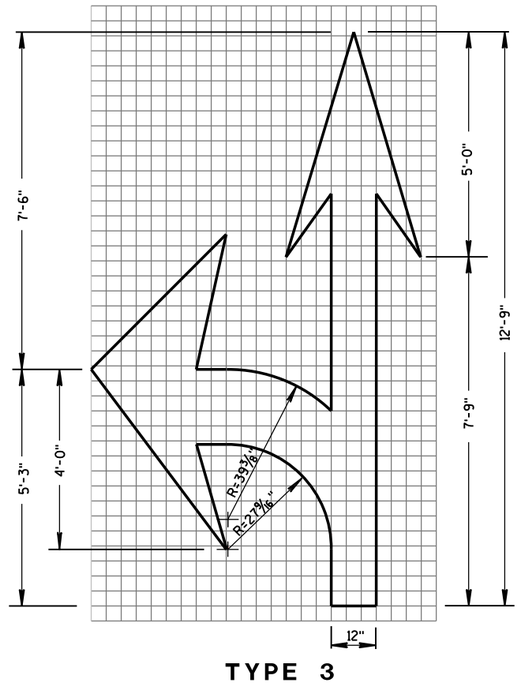
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

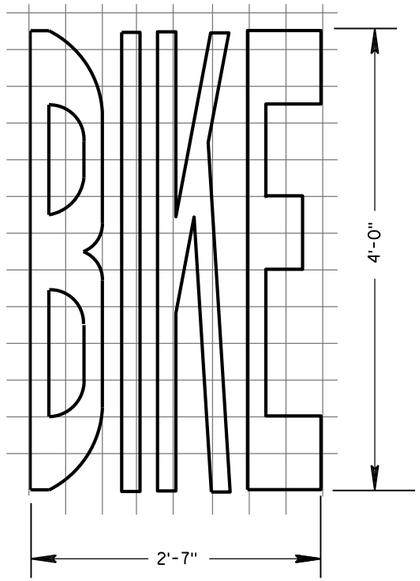
APPROVED
4-18-16 DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAR 272 NEER
FHWA

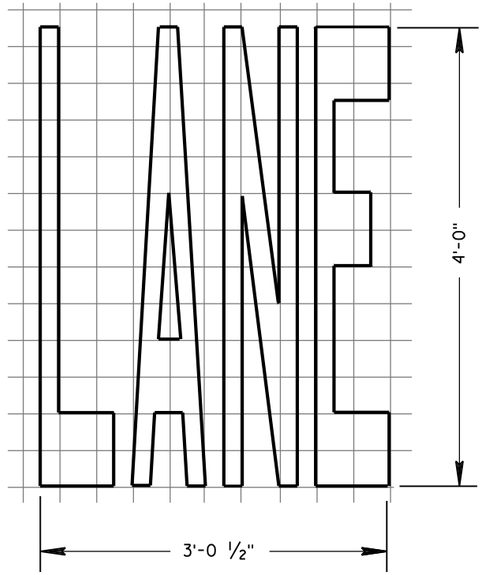
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S.D.D. 15 C 7-13c

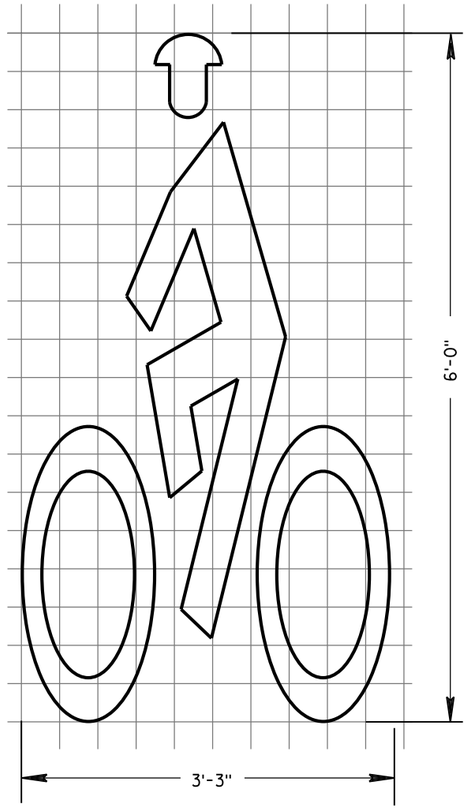
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S.D.D. 15 C 7-13c

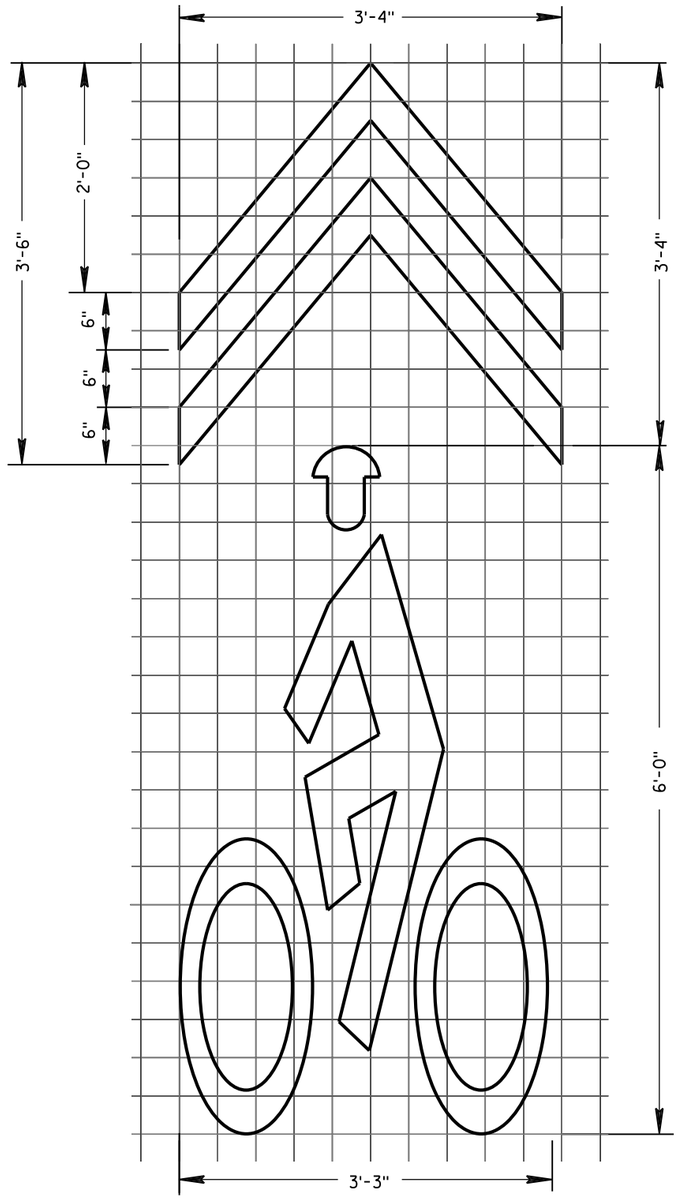




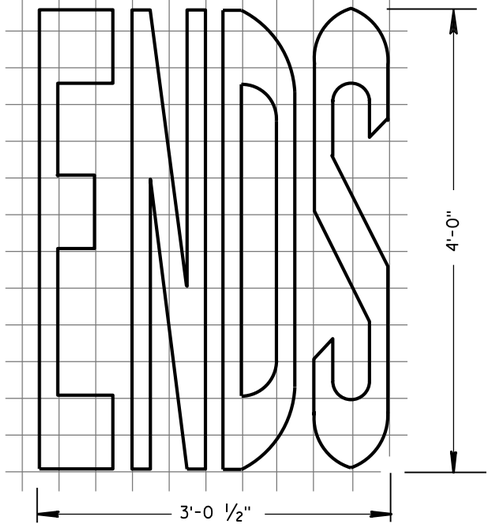
BIKE LANE WORDS



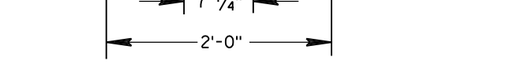
BIKE LANE SYMBOL



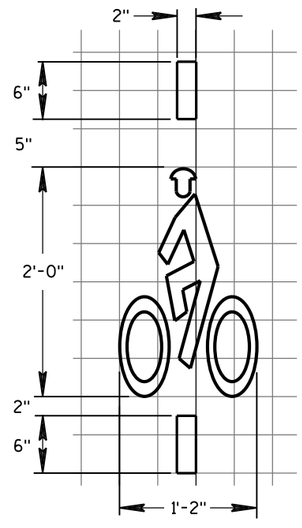
BIKE SYMBOL FOR SHARED LANE



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

4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARK ENGINEER

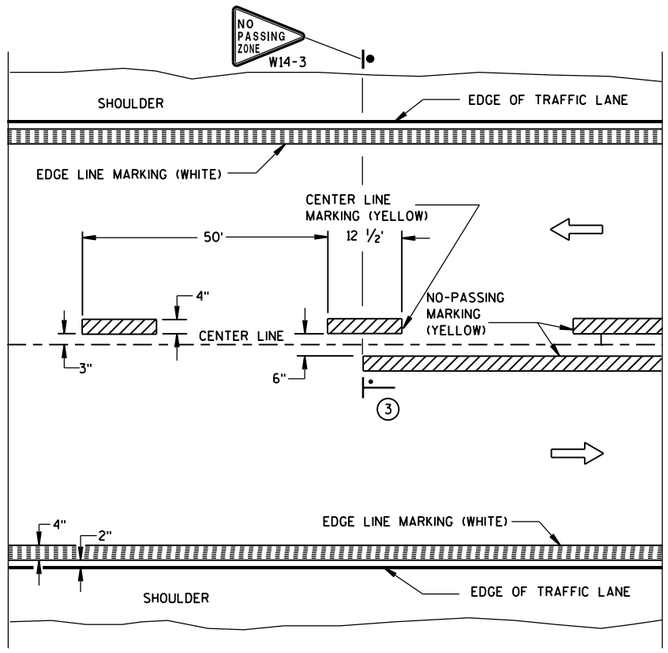
FHWA

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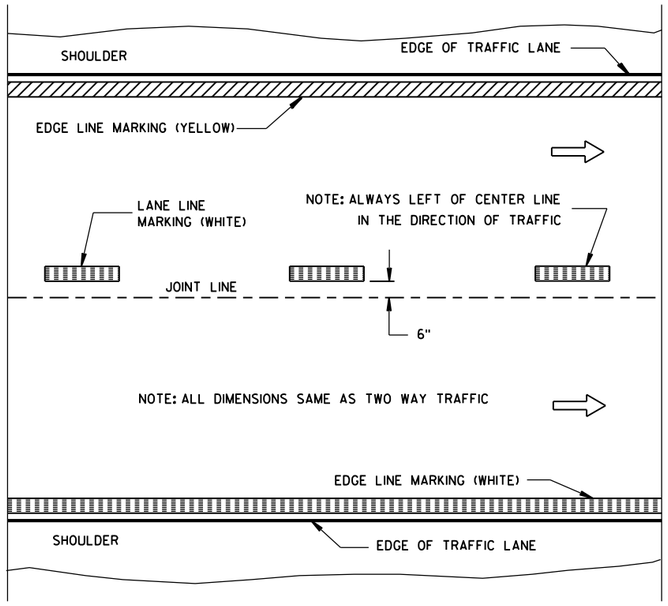
S.D.D. 15 C 7-13e

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S.D.D. 15 C 7-13e

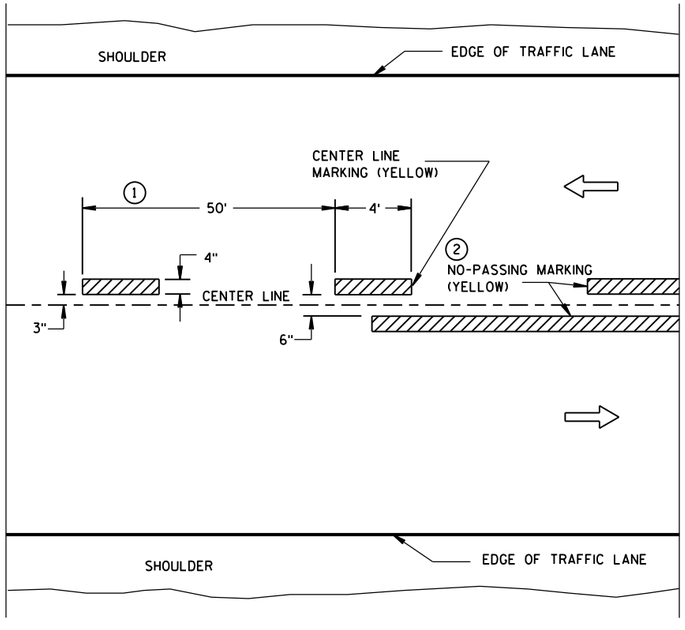


TWO WAY TRAFFIC

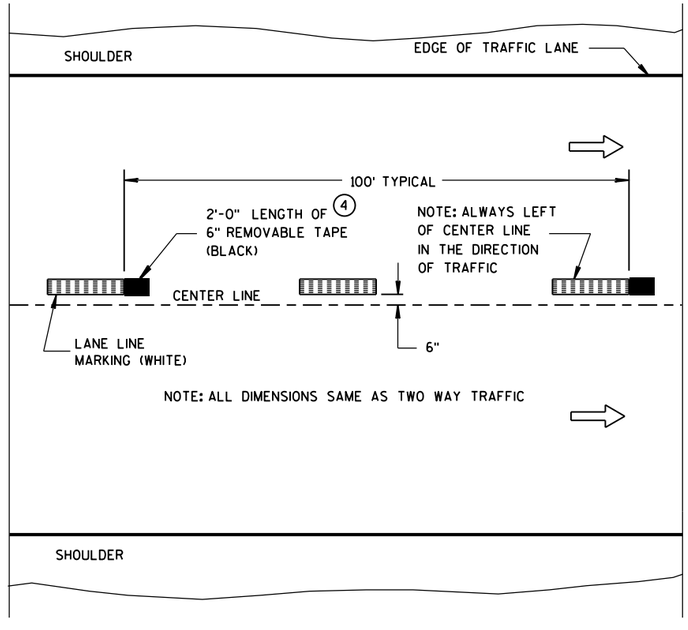


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

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

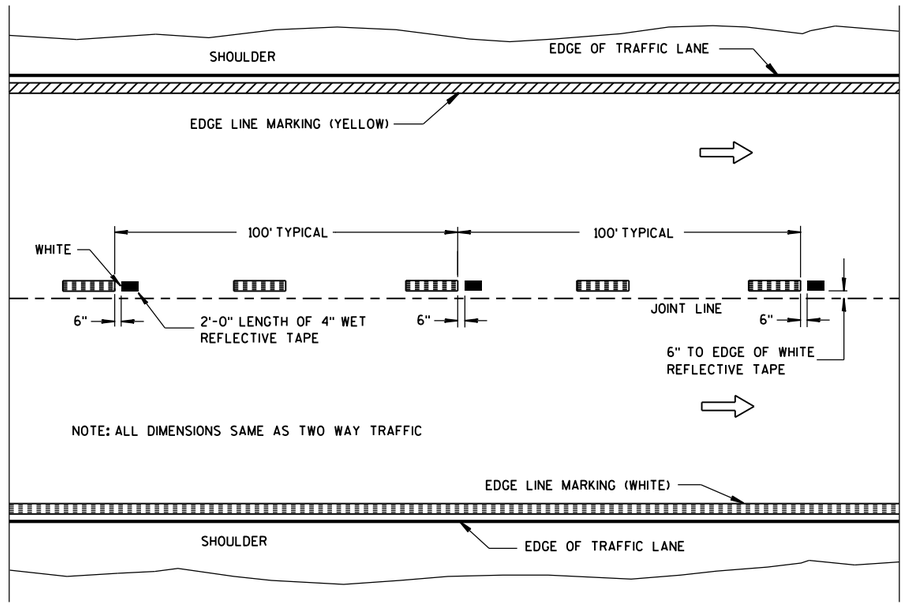
GENERAL NOTES

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

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5-13-2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

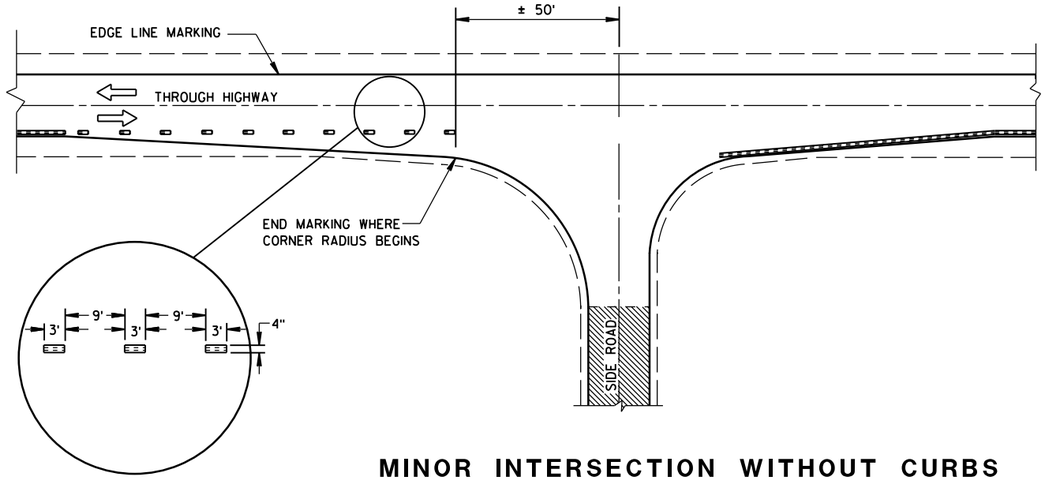
FHWA

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S.D.D. 15 C 8-16a

6

S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED THROUGH DRIVEWAYS.

(1) WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.

(2) WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.

(3) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

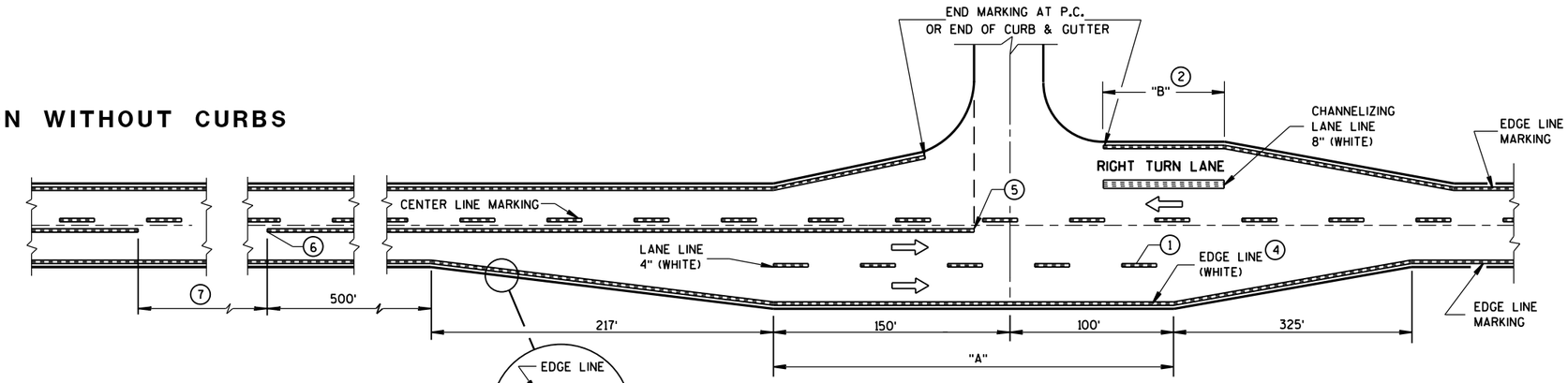
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

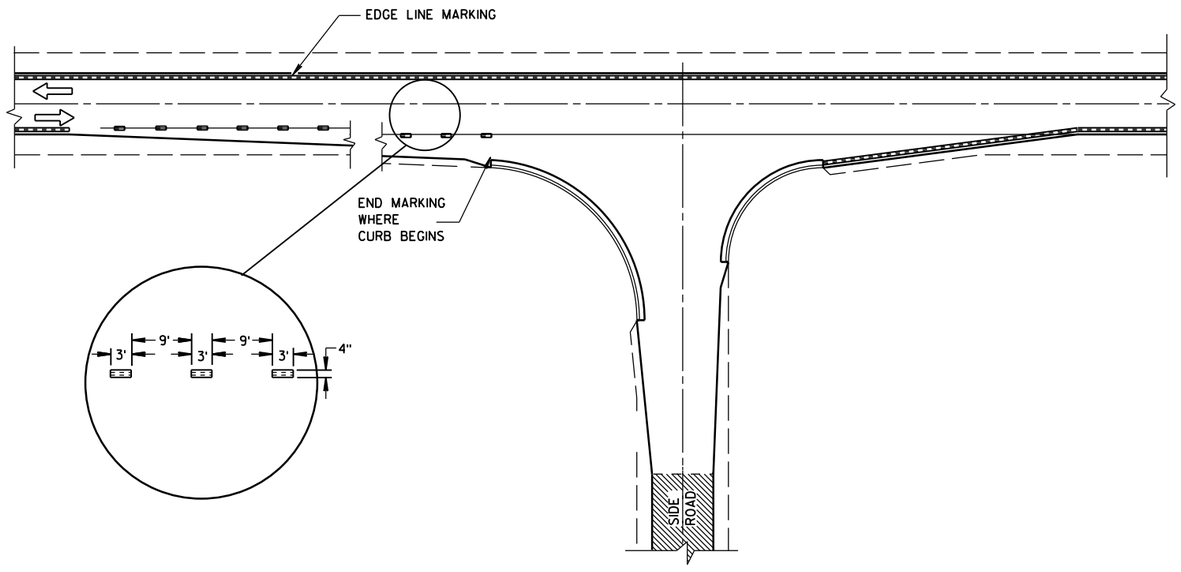
(7)

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



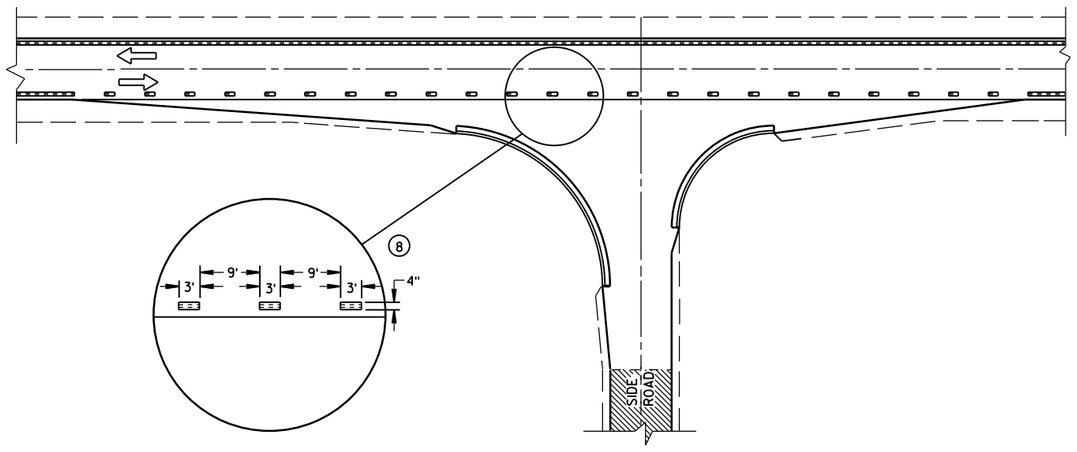
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

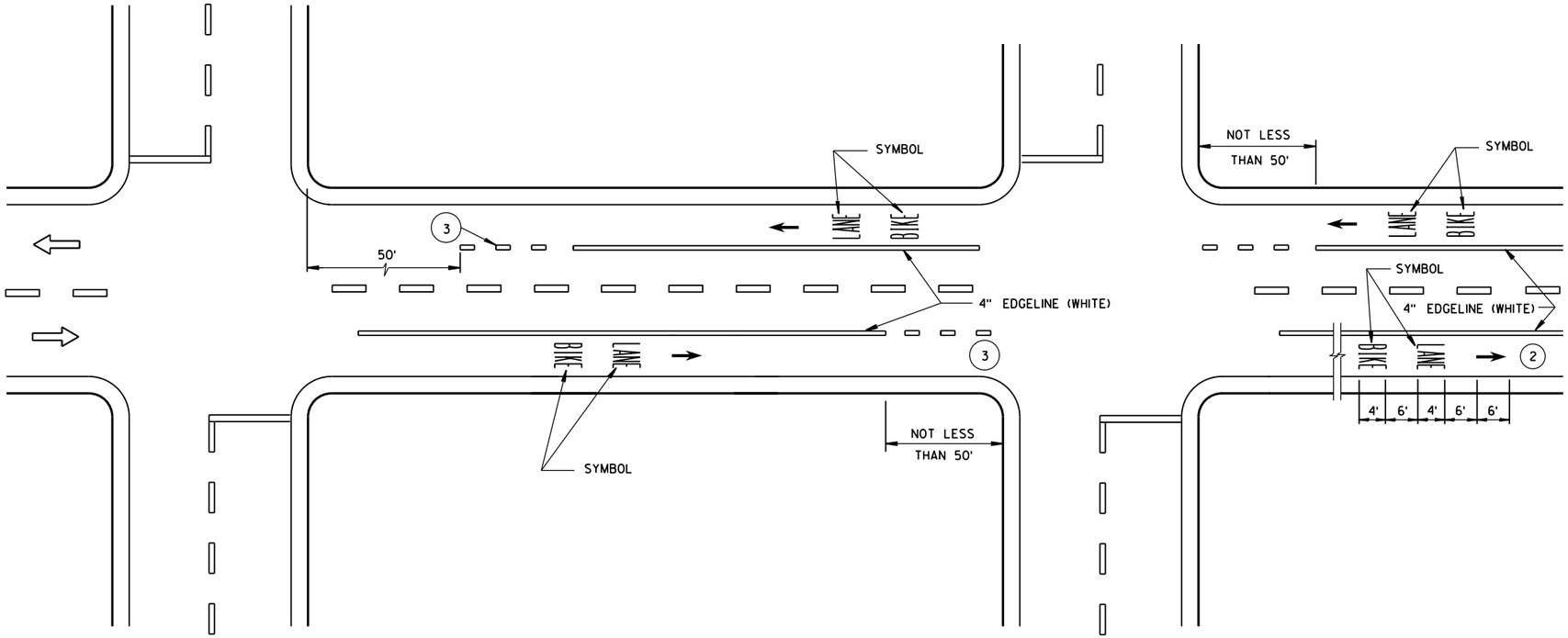
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR 275

6

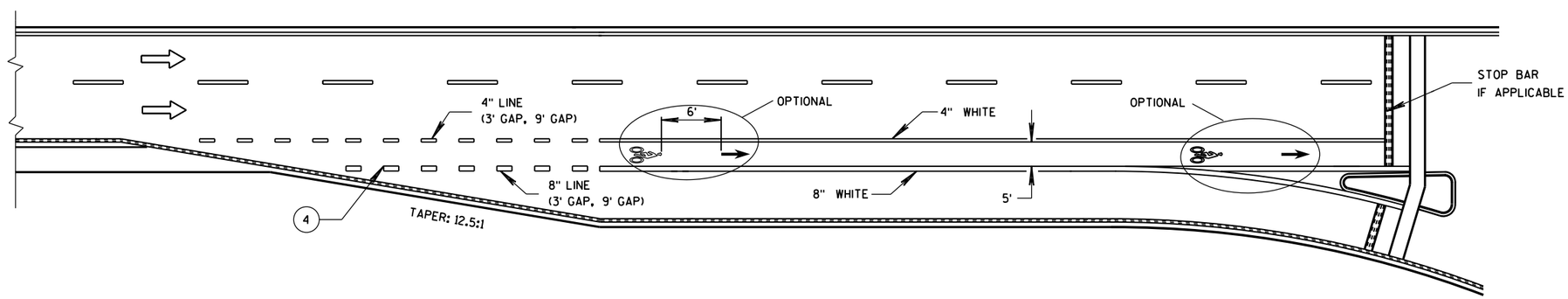
S.D.D. 15 C 8-16b

6

S.D.D. 15 C 8-16b



DESIGNATED BICYCLE LANE
NO PARKING



BIKE LANE - 4-LANE DIVIDED WITH RIGHT TURN LANE

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.

⇨ DIRECTION OF TRAVEL

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

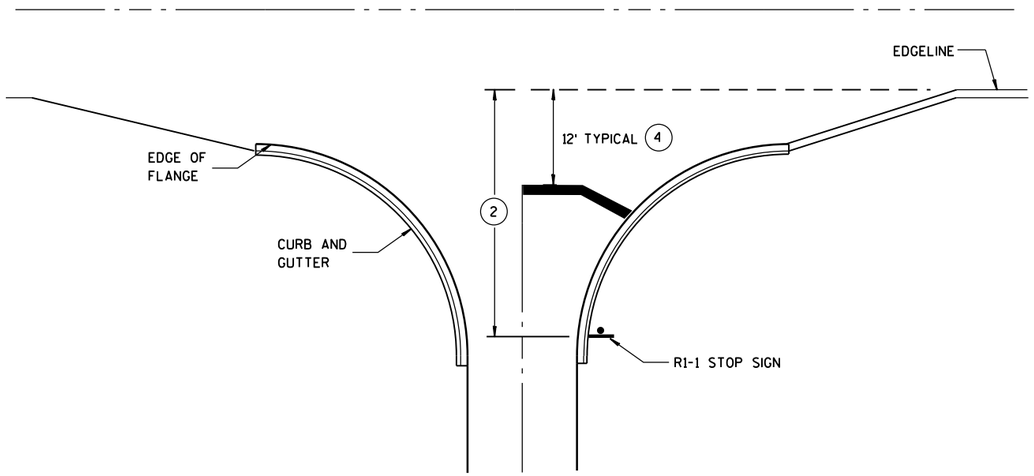
4-18-2016 DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR NEER

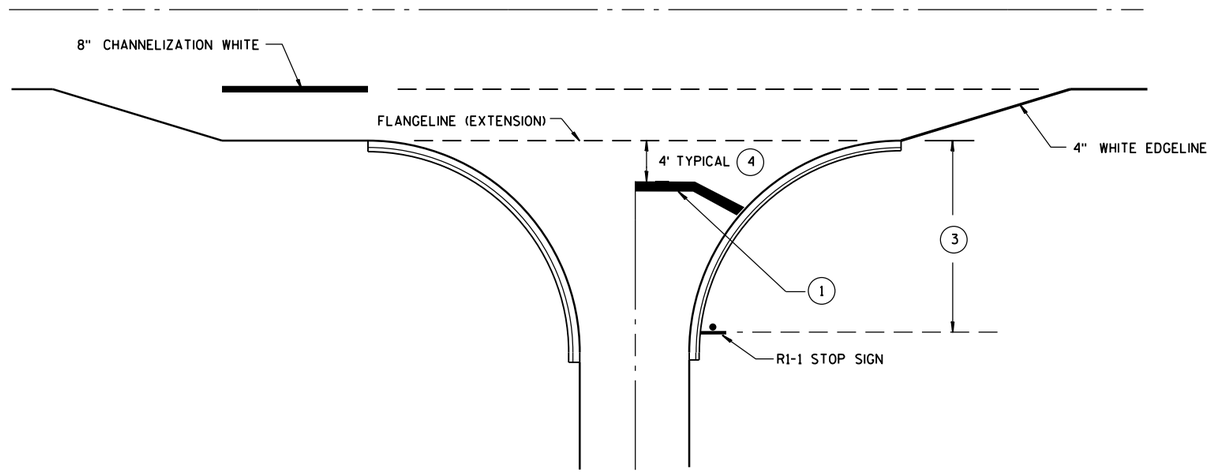
FHWA

6

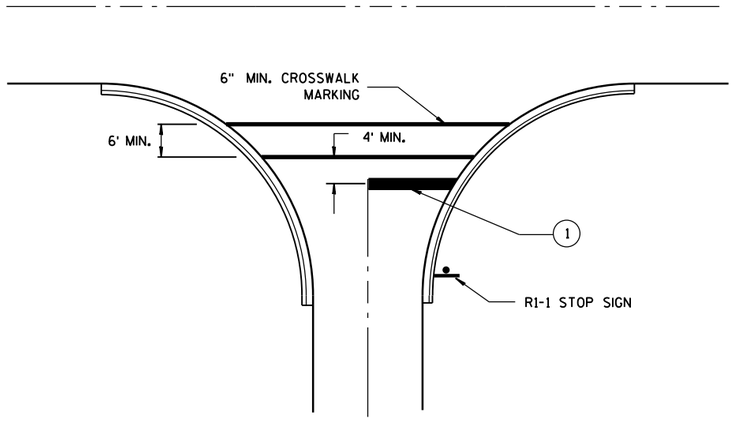
S.D.D. 15 C 29-4a



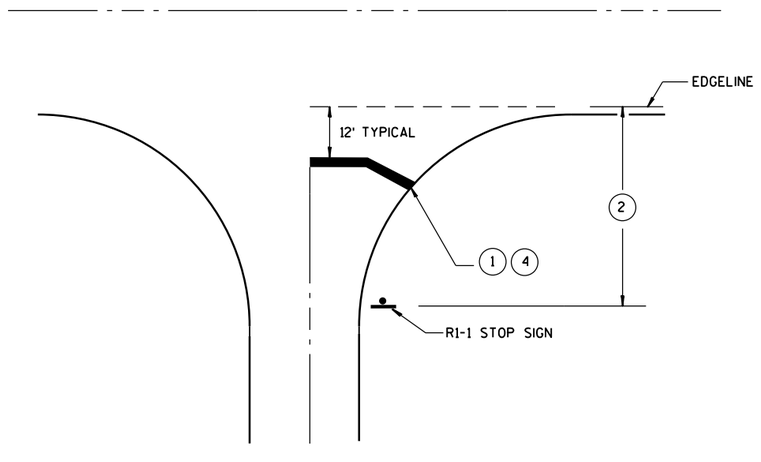
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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

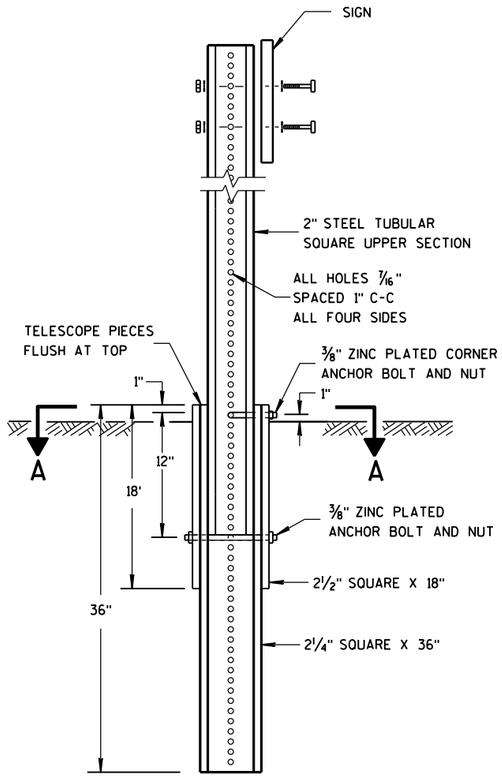
4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 277 NEER

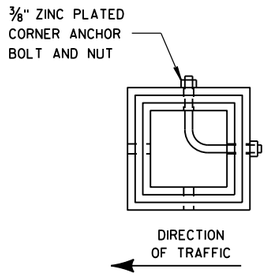
FHWA

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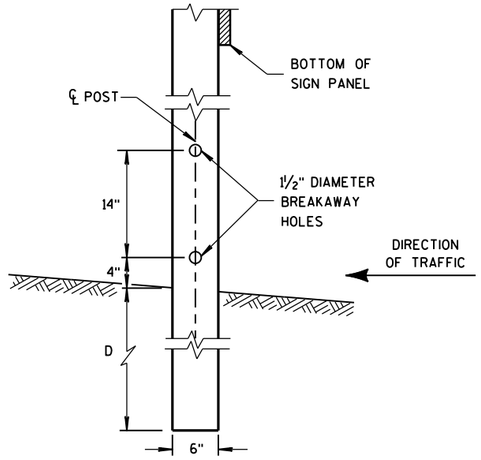
S.D.D. 15 C 33-2



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



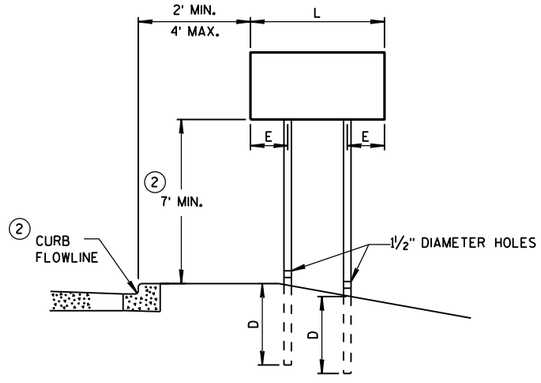
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

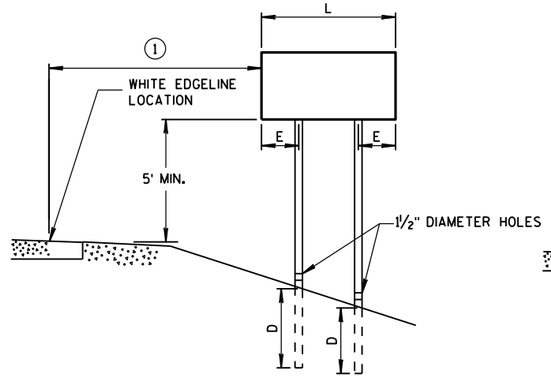
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

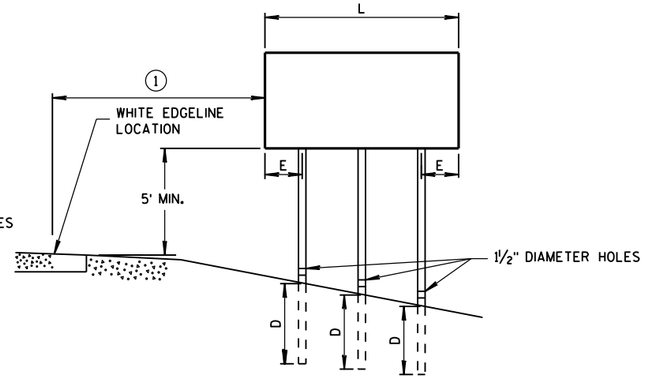
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

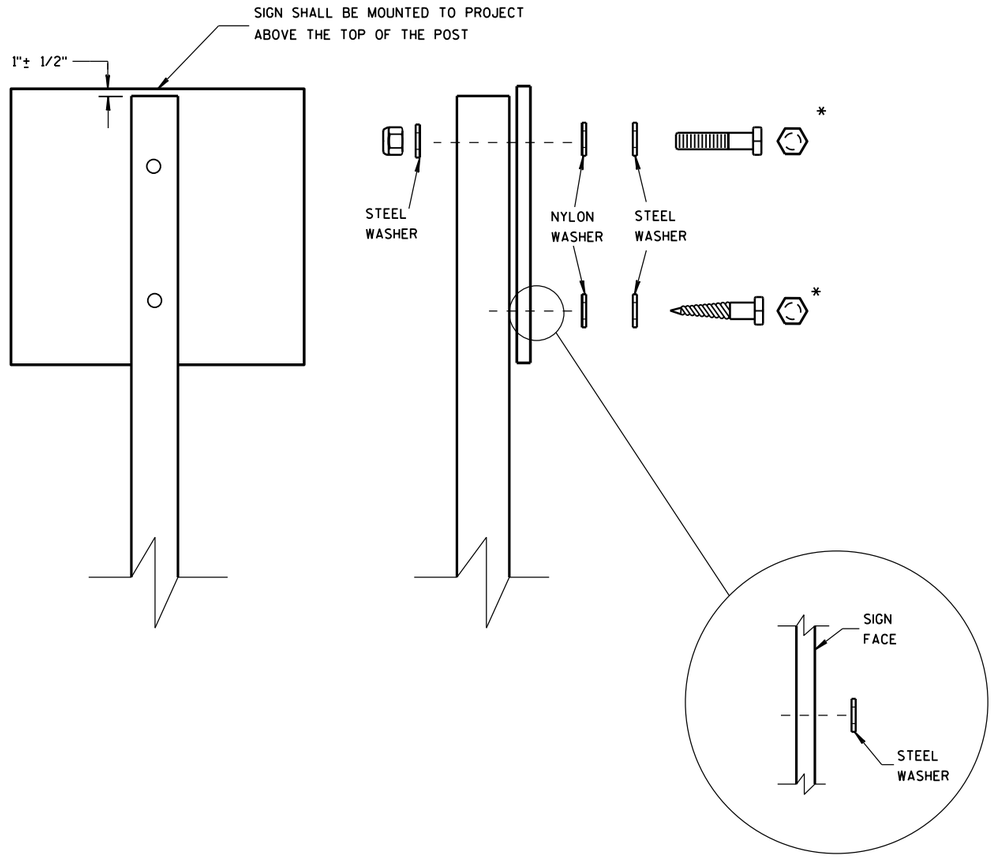
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

STATE OF WISCONSIN DEPARTMENT OF TRANSPO

6

S.D.D. 15 D 38-1a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

6

6

S.D.D. 15 D 38-1b

S.D.D. 15 D 38-1b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

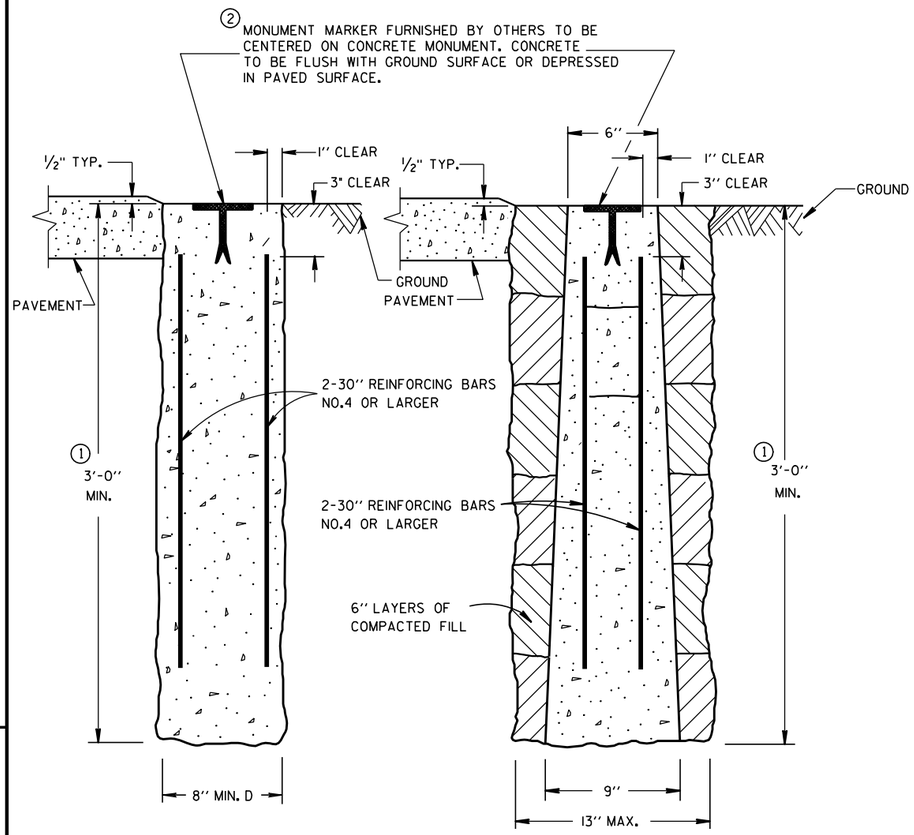
APPROVED

Feb. 2015 — DATE

/S/ Travis Feltes — STATE TRAFFIC ENGINEER

FHWA

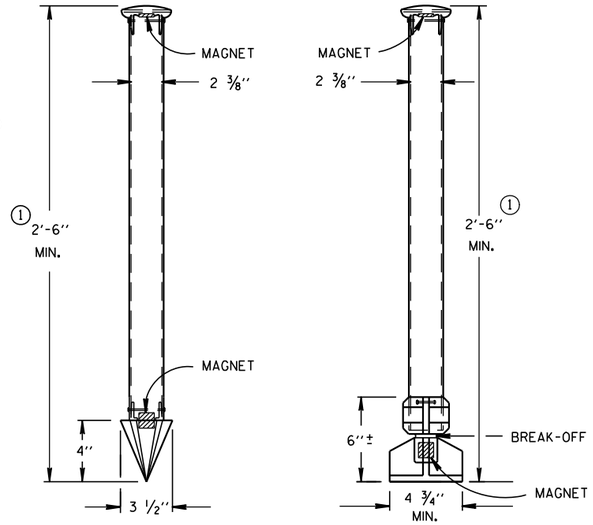
SIGN



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



TYPE C DRIVE-IN MONUMENT

TYPE D BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

GENERAL NOTES

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

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

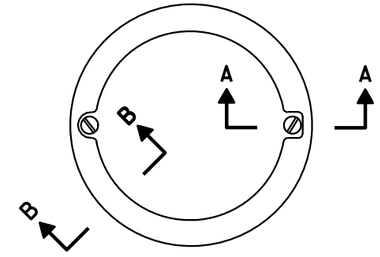
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

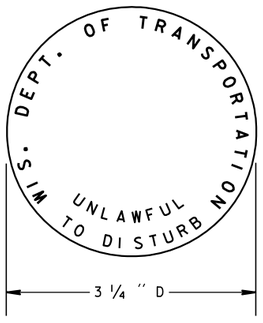
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

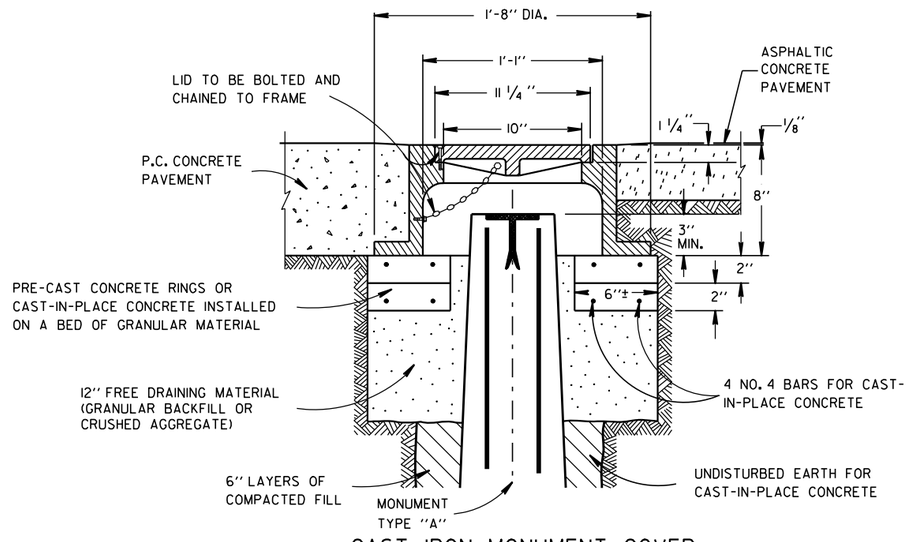
② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW

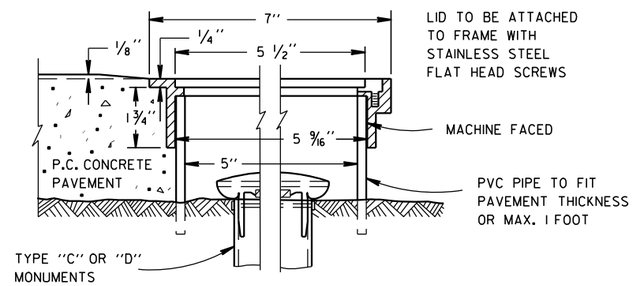


② WIS DOT MONUMENT MARKER LOGO FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)

(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MOUNMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/22/1999 DATE

/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

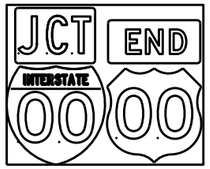
6

S.D.D. 16 A 1-6

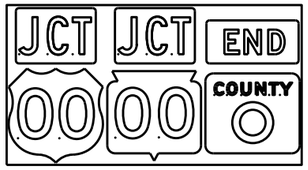
TYPICAL ASSEMBLIES



J1-1



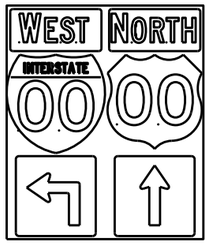
J1-2



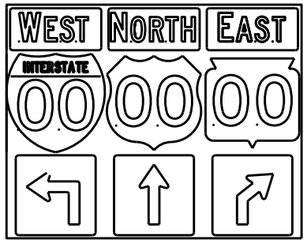
J1-3



J2-1



J2-2

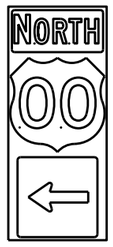


J2-3

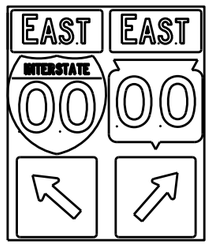


JV

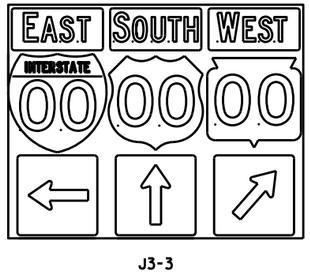
(Typical Vertical J-Assembly
See Note 10 and 11)



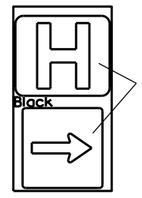
J3-1



J3-2



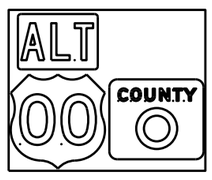
J3-3



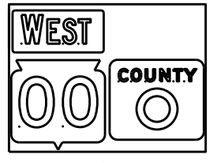
JH-1



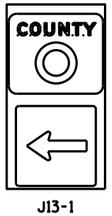
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

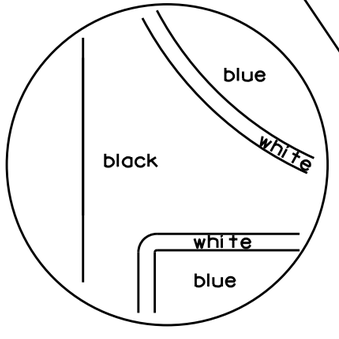


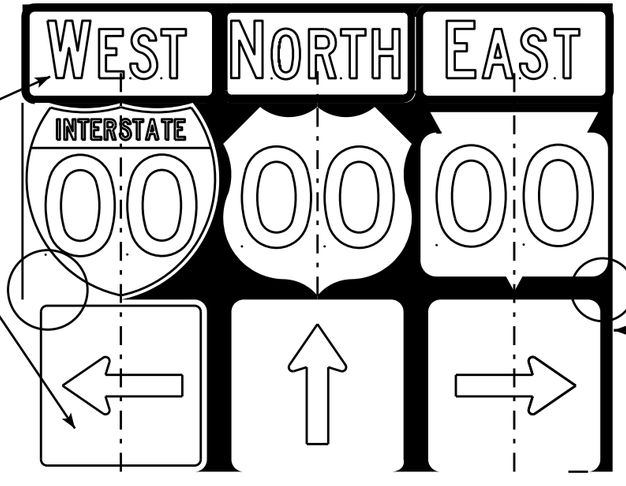
J23-1

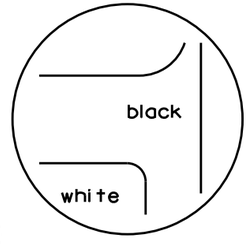


J22-1

[blue background with interstate]







[black background]

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

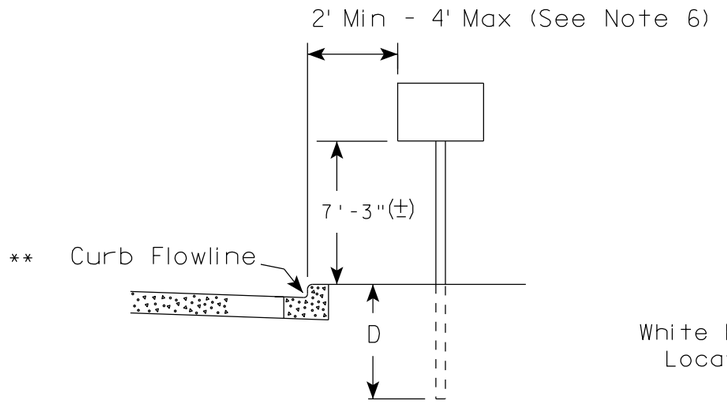
DATE 2/06/14 PL... A2-1S.8

PROJECT NO: | SHEET NO: E

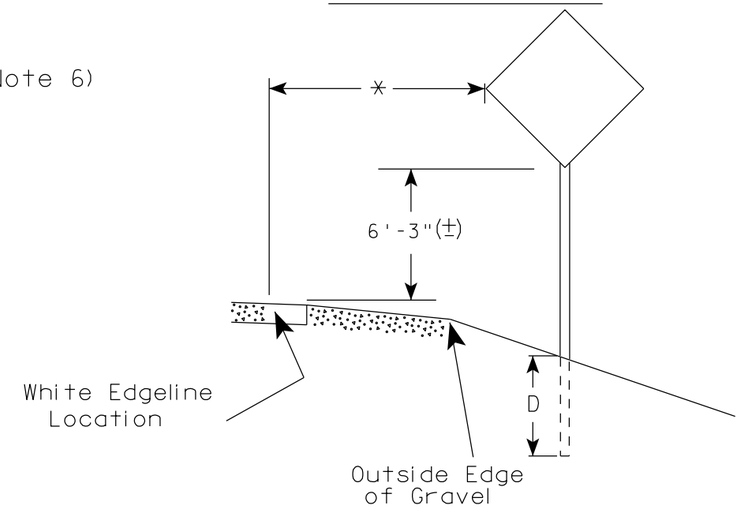
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A21S.DGN PLOT DATE : 06-FEB-2014 14:10 PLOT BY : mscsja PLOT NAME :

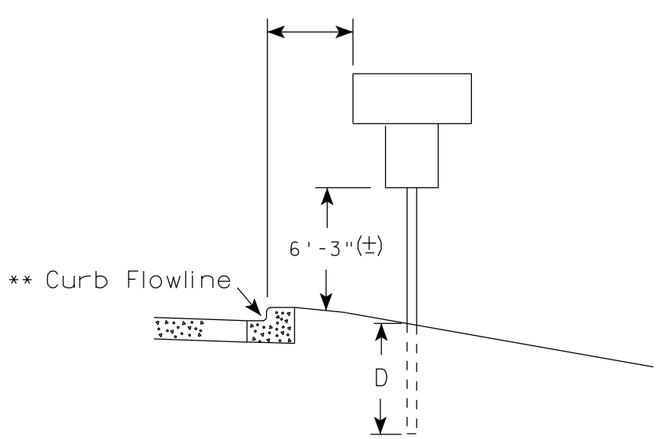
WISDOT/CADDS SHEET 42

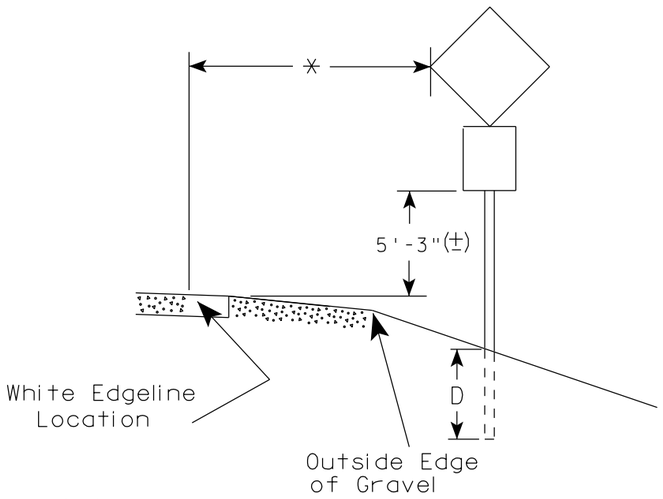
URBAN AREA



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. Minimum mounting height for J assemblies (A2-1S) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

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

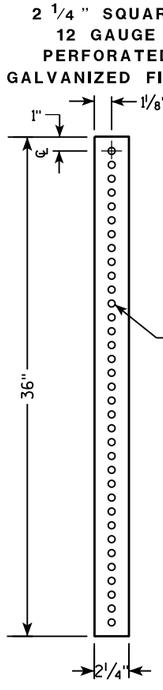
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/23/15 PLATE NO. A4-3.20

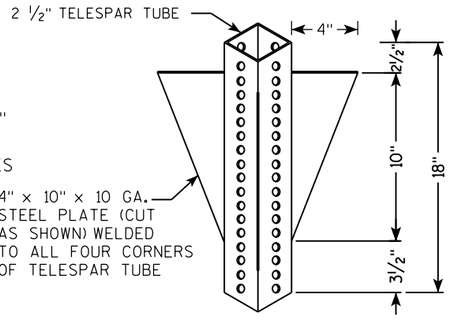
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

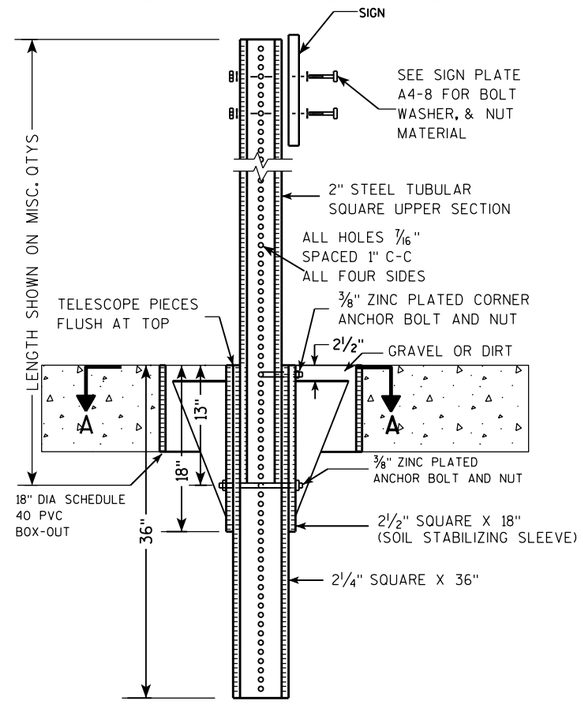
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



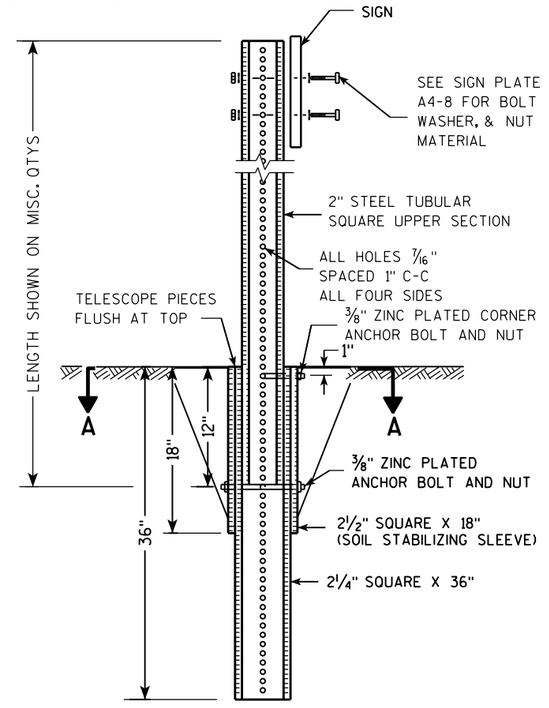
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

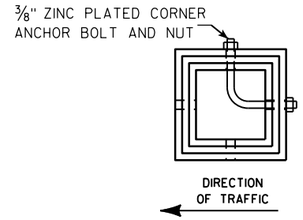


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR 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).

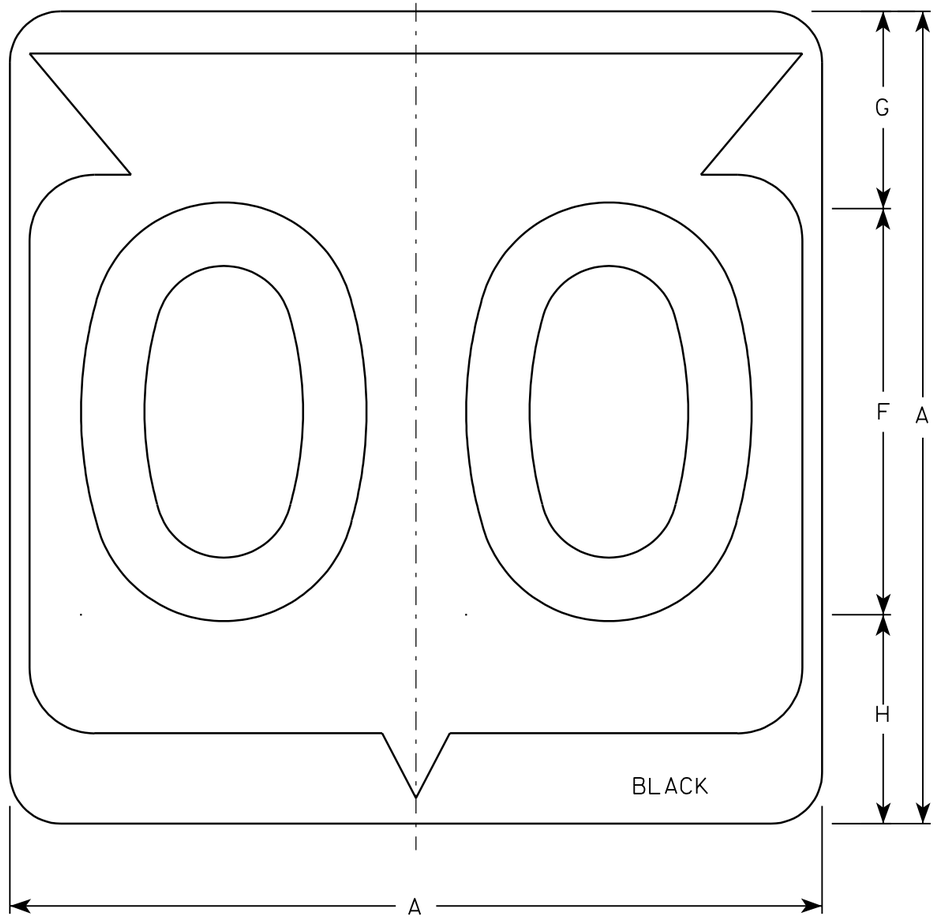
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 283 A4-9.9

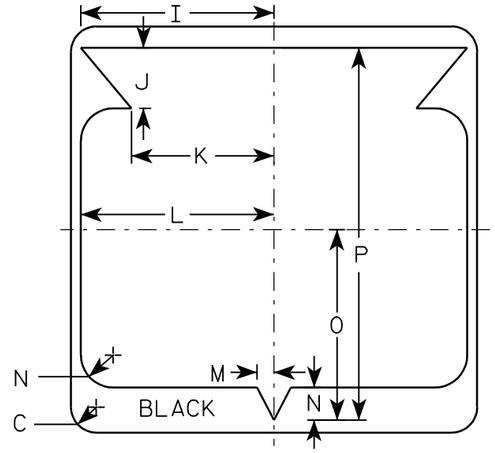
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0	.36
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0	.81

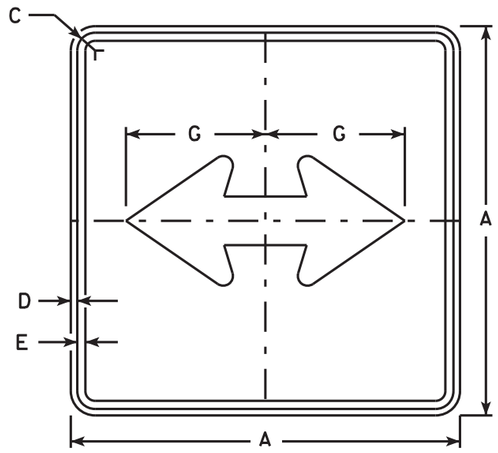
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

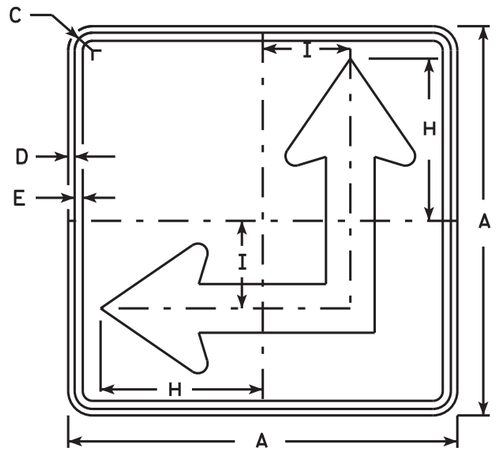
APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

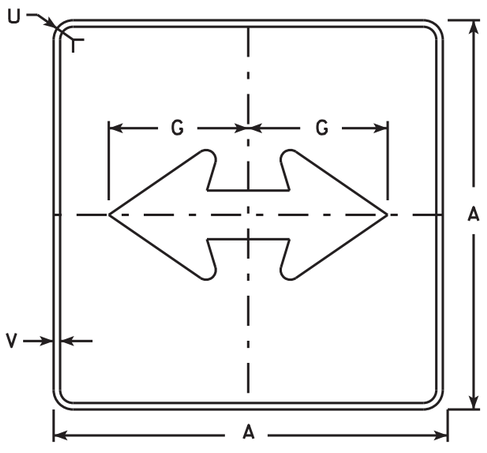
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 284	E



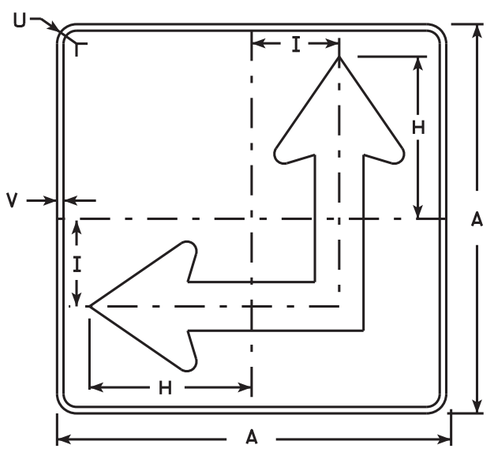
M6-4
MM6-4
MO6-4
MP6-4



M6-6
MM6-6
MO6-6
MP6-6



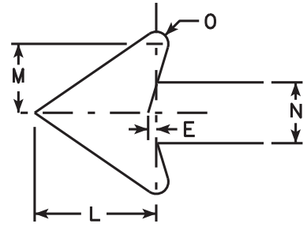
MB6-4
MK6-4
MN6-4
MR6-4



MB6-6
MK6-6
MN6-6
MR6-6

NOTES

1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See Note 4
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-4 and M6-6 Background - White
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White
   MK6-4 and MK6-6 Background - Green
   Message - White
   MM6-4 and MM6-6 Background - White
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow
5. M6-6R same as M6-6L except arrow points ahead and right.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	8 3/4	4 1/4			5 1/4	3	2 5/8	1/2						1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 3/4	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

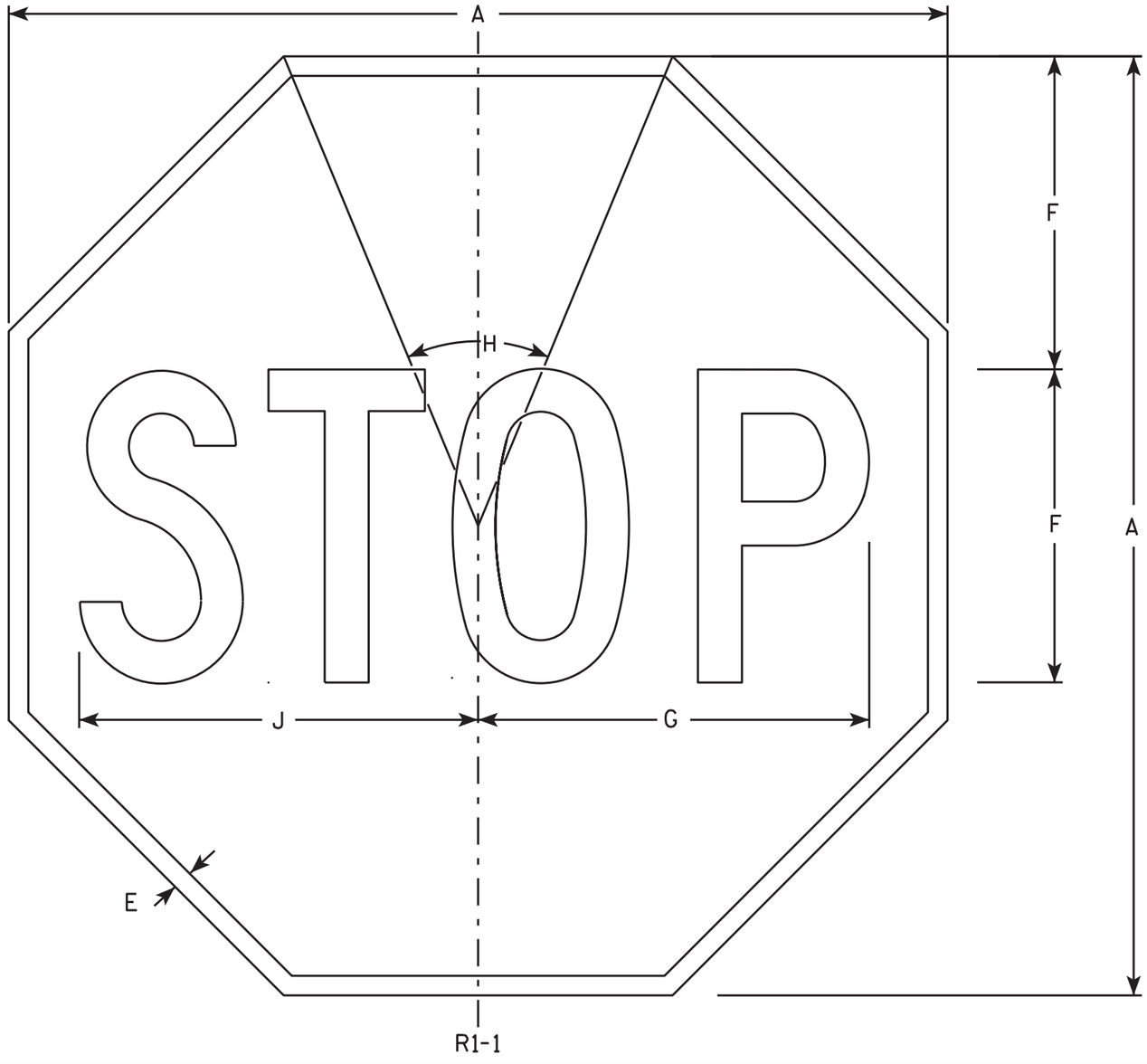
STANDARD SIGN
M6-4 & M6-6
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 10/15/15 PLATE NO. M6-4.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO. 285 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	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

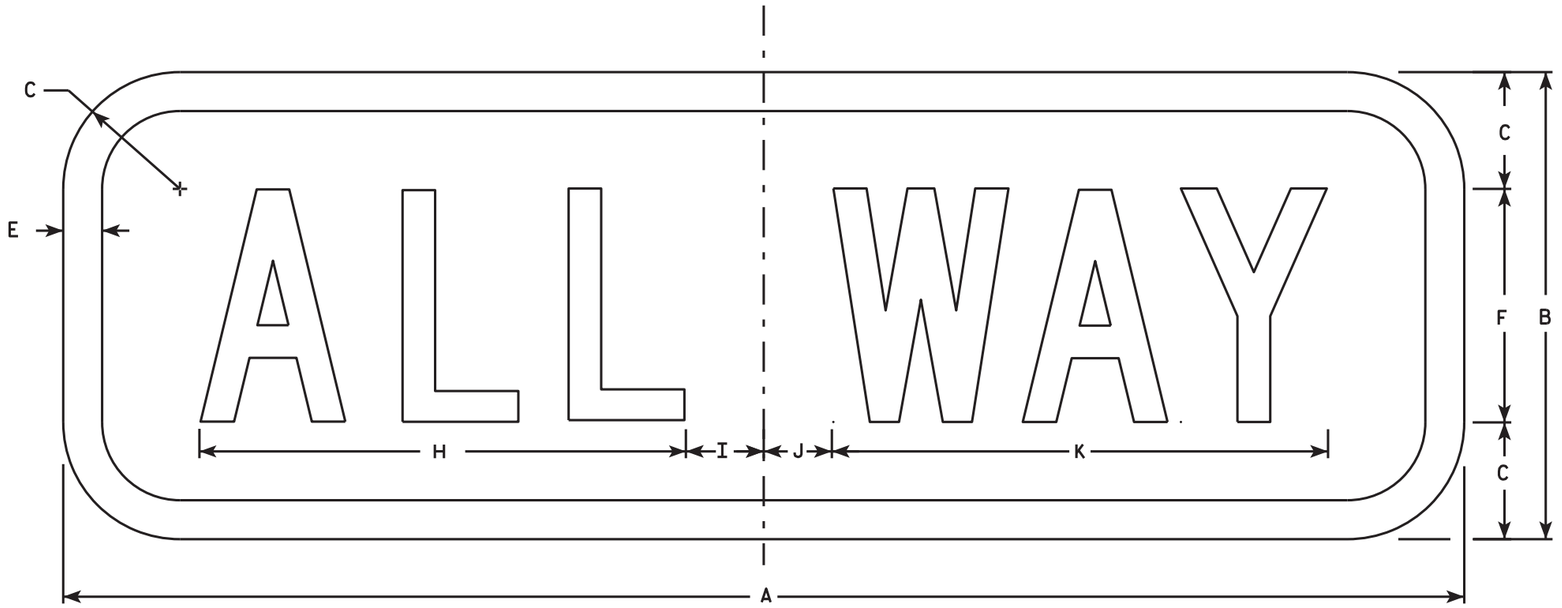
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO.	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\R11.DGN PLOT DATE : 12-NOV-2015 10:32 PLOT BY : ss...plotuser...ss PLOT NAME : PLOT SCALE : 6.977666:1.000000 WISDOT/CADDS SHEET 42



R1-3P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2S	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																1.5
2M	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
3	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
4	30	12	2 1/4		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5
5	30	12	2 1/4		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5

STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/24/15 PLATE NO. R1-3P.2

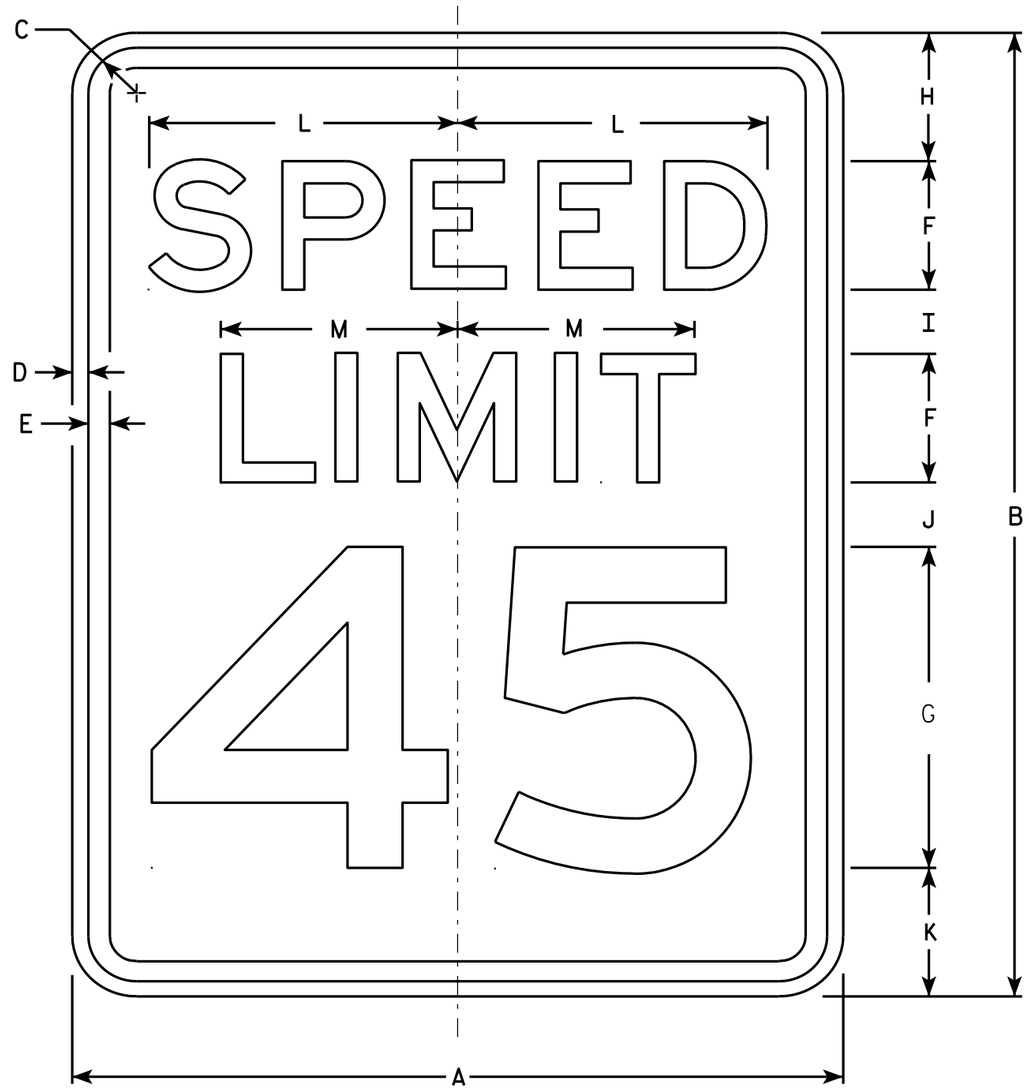
PROJECT NO:	HWY:	COUNTY:		SHEET NO. 287	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplote\R13P.DGN PLOT DATE : 24-SEP-2015 09:19 PLOT BY : ss...plotuser...ss PLOT NAME : PLOT SCALE : 3.101186:1.000000

WISDOT/CADDS SHEET 42

7

7



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

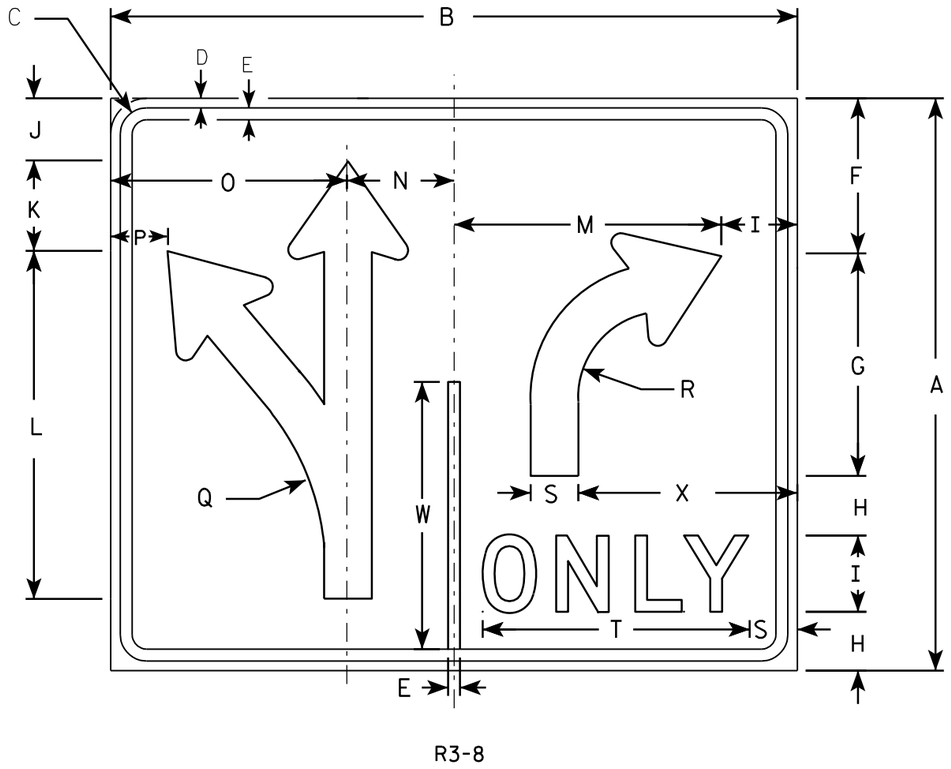
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

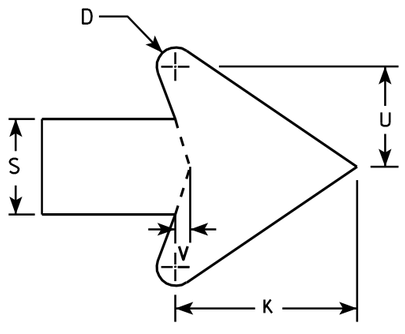
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 288	E



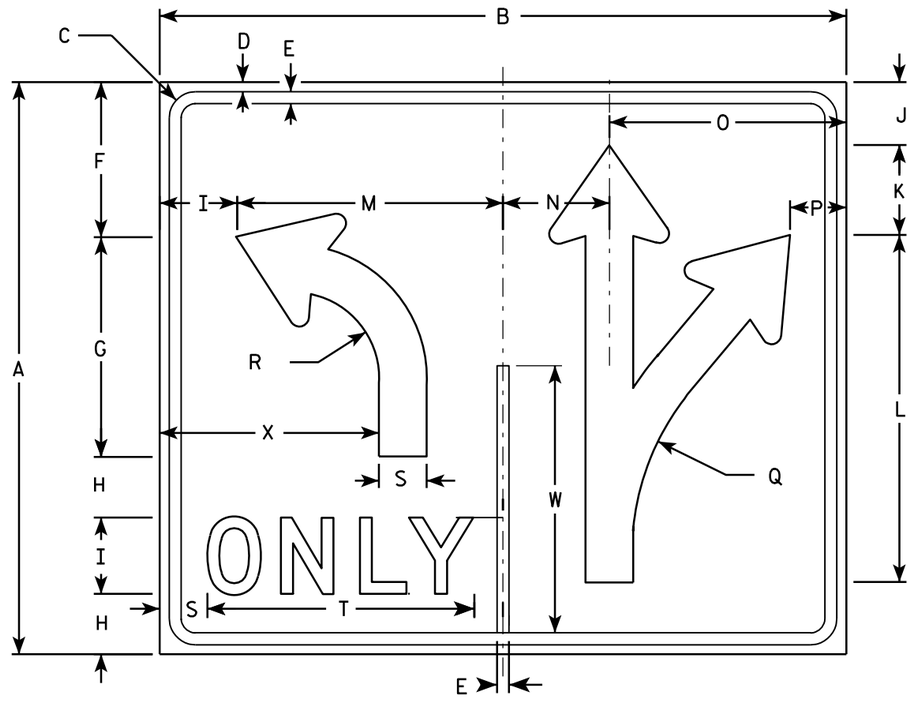
R3-8



ARROW DETAIL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - WHITE
   Message - BLACK
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-8A

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
2M	30	36	1 3/8	1/2	5/8	8 1/8	11 5/8	3 1/8	4	3 1/4	4 3/4	18 1/4	14	5 5/8	12 3/8	3	13 1/4	4 1/2	2 1/2	14	2 5/8	3/8	14	11 1/2			7.5
3																											
4	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0
5	48	54	2 1/4	3/4	1	13 1/4	18 1/2	5 1/8	6	5 1/4	7 1/8	29 1/8	21	8 3/8	18 5/8	4 3/8	21 7/8	7 1/4	3 3/4	20 5/8	4	5/8	22 3/8	17 1/4			18.0

STANDARD SIGN
R3-8 & R3-8A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-8.5

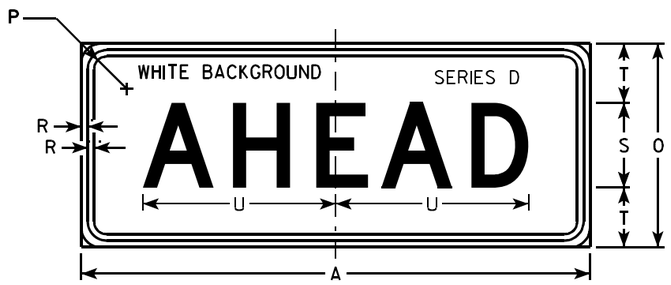
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 289	E



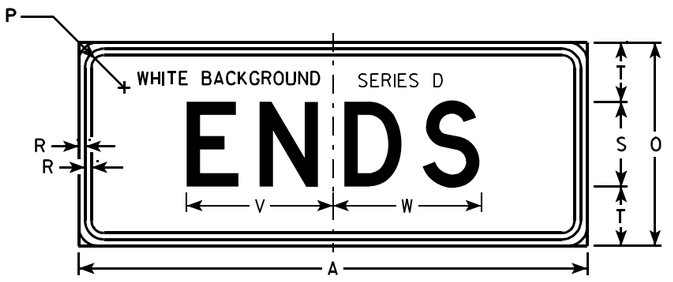
R3-17

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - AS SHOWN
   Message - BLACK
3. Message Series - C or as noted on the Signs.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-17ap



R3-17bp

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	R3-17 Area sq. ft.	R3-17ap Area sq. ft.	R3-17bp Area sq. ft.
1																													
2S	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
2M	30	24	1 1/8	3/8	1/2	2	4	4 1/8	7 7/8	6 3/8	9 1/2	2 5/8	7/8	13	12	1 1/8	3 3/8	3/8	5	3 1/2	11 3/8	8 5/8	8 3/4	2 3/8	15 5/8	8	5.0	2.5	2.5
3																													
4																													
5																													

STANDARD SIGN
R3-17 & R3-17a&bp

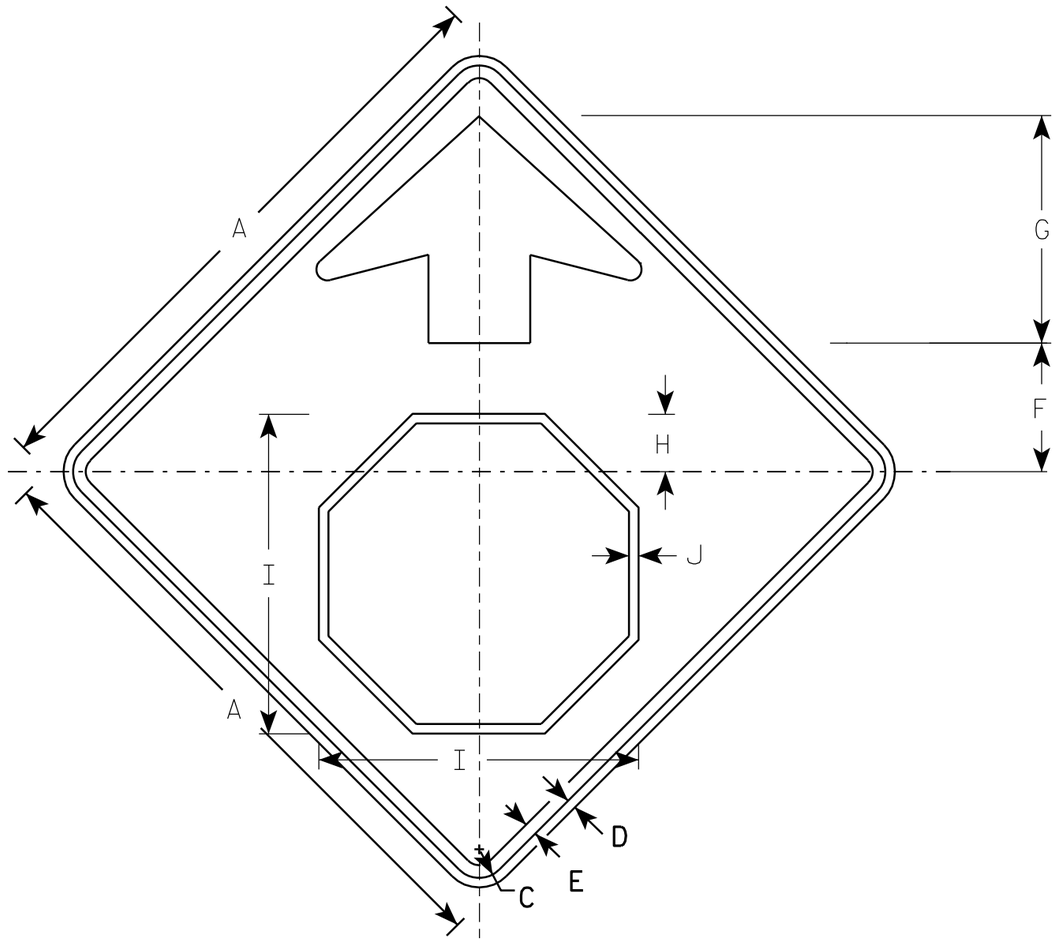
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/12/2011 PLATE NO. R3-17.2

PROJECT NO:

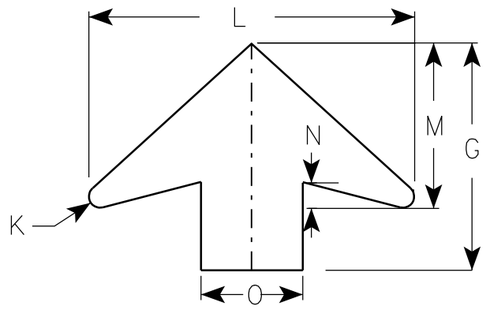
SHEET NO: 290 E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

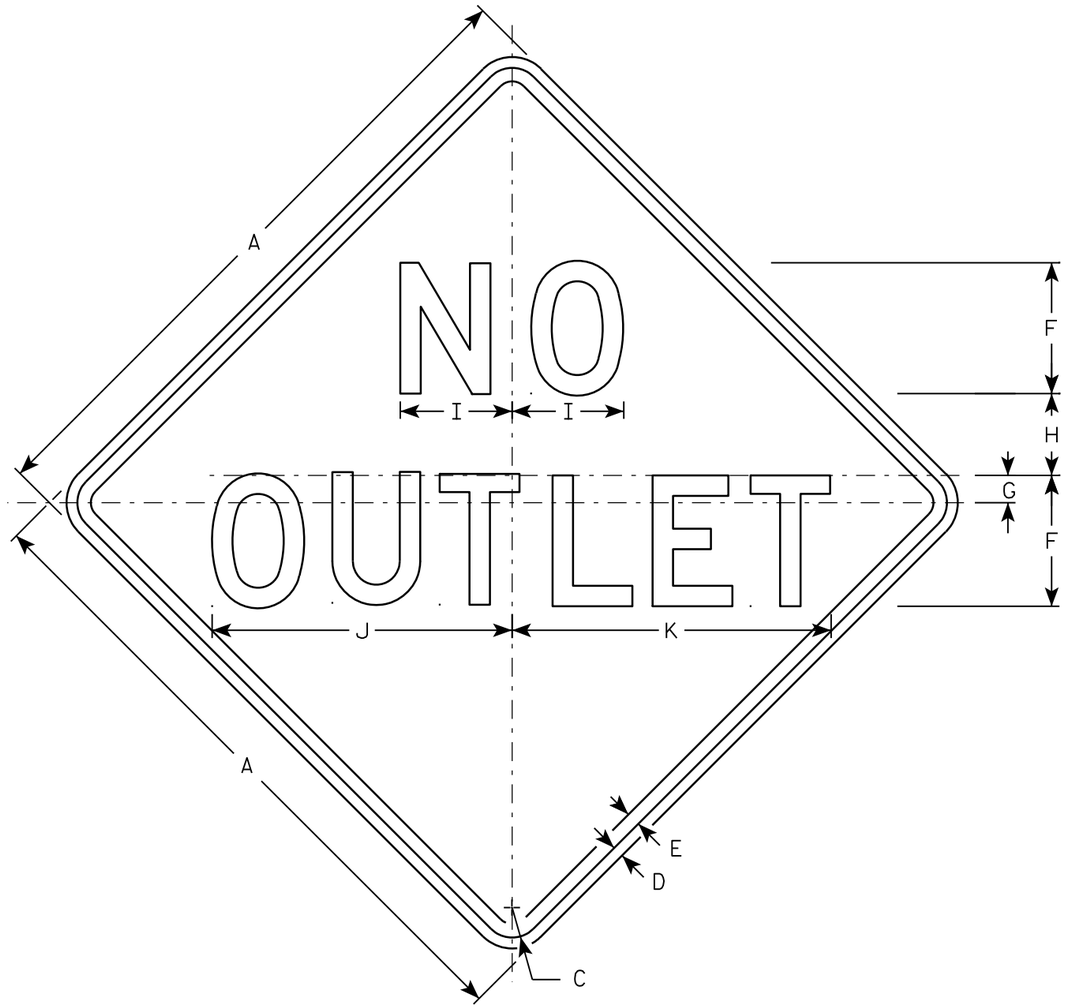
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 291 E



W14-2

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Message - BLACK
3. Message Series - 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	24		1 1/8	3/8	1/2	5	1	2 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		1 5/8	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

STANDARD SIGN
W14-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-2.3

PROJECT NO:

SHEET NO: 292 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W142.DGN PLOT DATE : 13-MAR-2013 13:30 PLOT BY : mscj9h

WISDOT/CADDS SHEET 42

7

7

W EDGERTON AVE

STATION	Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
95+98 AH	0.00	45	0	0	0	0	0	0	0	0	0	0	0	0
96+00	2.40	46	0	0	0	4	0	0	0	4	0	0	0	4
96+50	50.00	76	0	0	0	113	0	0	0	117	0	0	0	117
97+00	50.00	93	0	0	0	156	0	0	0	273	0	0	0	273
97+50	50.00	88	0	11	0	167	0	10	0	440	12	0	0	428
98+00	50.00	99	0	18	0	172	0	27	0	612	44	0	0	567
98+50	50.00	82	0	9	0	167	0	25	0	779	74	0	0	705
99+00	50.00	52	0	29	0	124	0	35	0	903	116	0	0	787
99+50	50.00	63	0	42	0	106	0	66	0	1009	195	0	0	814
100+00	50.00	70	0	69	0	123	0	103	0	1132	318	0	0	814
100+50	50.00	74	0	48	0	134	0	108	0	1266	448	0	0	818
101+00	50.00	21	0	83	0	88	0	122	0	1354	593	0	0	761
101+50	50.00	36	0	50	0	53	0	123	0	1407	742	0	0	666
102+00	50.00	53	0	46	0	82	0	89	0	1490	849	0	0	641
102+50	50.00	47	0	33	0	93	0	73	0	1582	936	0	0	646
103+00	50.00	47	0	33	0	87	0	61	0	1669	1009	0	0	660
103+50	50.00	48	0	44	0	88	0	71	0	1758	1095	0	0	663
104+00	50.00	69	0	33	0	109	0	71	0	1866	1180	0	0	686
104+50	50.00	56	0	34	0	116	0	62	0	1982	1254	0	0	728
105+00	50.00	51	0	34	0	99	0	62	0	2081	1329	0	0	752
105+50	50.00	57	0	28	0	100	0	58	0	2182	1398	0	0	783
106+00	50.00	48	0	28	0	97	0	52	0	2278	1461	0	0	817
106+50	50.00	36	0	28	0	78	0	51	0	2356	1522	0	0	834
107+00	50.00	41	0	23	0	72	0	47	0	2428	1578	0	0	850
107+50	50.00	54	0	13	0	89	0	33	0	2516	1617	0	0	899
108+00	50.00	52	0	18	0	98	0	29	0	2615	1652	0	0	963
108+50	50.00	39	0	29	0	84	0	43	0	2699	1704	0	0	995
109+00	50.00	41	0	27	0	74	0	52	0	2774	1766	0	0	1007
109+50	50.00	36	0	34	0	71	0	57	0	2845	1834	0	0	1011
110+00	50.00	24	0	51	0	56	0	79	0	2901	1929	0	0	972
110+50	50.00	41	0	52	0	60	0	95	0	2961	2043	0	0	918
111+00	50.00	68	0	33	0	100	0	79	0	3061	2138	0	0	924
111+50	50.00	67	0	15	0	125	0	45	0	3186	2192	0	0	995
112+00	50.00	42	0	40	0	101	0	51	0	3287	2253	0	0	1034
112+50	50.00	45	0	34	0	80	0	69	0	3368	2335	0	0	1032
113+00	50.00	50	0	38	0	88	0	67	0	3456	2416	0	0	1040
113+50	50.00	57	0	20	0	100	0	53	0	3556	2480	0	0	1076
114+00	50.00	51	0	18	0	100	0	35	0	3656	2522	0	0	1134
114+50	50.00	52	0	18	0	95	0	33	0	3751	2562	0	0	1189
115+00	50.00	70	0	46	0	112	0	59	0	3863	2632	0	0	1231
115+50	50.00	278	0	31	0	322	0	71	0	4185	2717	0	0	1468
115+73	22.55	516	0	0	0	332	0	13	0	4517	2732	0	0	1785
116+00	27.45	384	0	32	0	458	0	16	0	4975	2752	0	0	2223
116+50	50.00	70	0	10	0	420	0	39	0	5395	2798	0	0	2596
117+00	50.00	88	0	5	0	146	0	14	0	5541	2815	0	0	2725
117+50	50.00	92	0	14	0	167	0	18	0	5707	2837	0	0	2871
118+00	50.00	109	0	6	0	186	0	19	0	5893	2859	0	0	3034

W EDGERTON AVE (CONTINUED)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
		Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	
118+50	50.00	209	0	3	0	294	0	8	0	6187	2869	0	0	3318
119+00	50.00	84	0	8	0	271	0	9	0	6459	2881	0	0	3578
119+50	50.00	87	0	19	0	159	0	25	0	6617	2911	0	0	3707
120+00	50.00	127	0	21	0	199	0	38	0	6816	2956	0	0	3860
120+50	50.00	83	0	31	0	195	0	48	0	7011	3014	0	0	3997
121+00	50.00	117	0	13	0	185	0	40	0	7196	3062	0	0	4134
121+50	50.00	392	0	6	0	471	0	17	0	7667	3083	0	0	4584
122+00	50.00	114	0	4	0	469	0	9	0	8136	3093	0	0	5042
122+50	50.00	126	0	0	0	222	0	3	0	8358	3097	0	0	5261
123+00	50.00	97	0	3	0	206	0	3	0	8564	3101	0	0	5463
123+50	50.00	150	0	39	0	229	0	39	0	8793	3148	0	0	5645
124+00	50.00	76	0	35	0	210	0	69	0	9003	3231	0	0	5772
124+50	50.00	93	0	11	0	157	0	43	0	9159	3282	0	0	5877
125+00	50.00	86	0	14	0	165	0	23	0	9324	3309	0	0	6015
125+50	50.00	133	0	4	0	203	0	16	0	9527	3328	0	0	6199
126+00	50.00	88	0	22	0	204	0	23	0	9731	3356	0	0	6375
126+50	50.00	85	0	11	0	160	0	30	0	9891	3392	0	0	6499
127+00	50.00	89	0	19	0	161	0	27	0	10053	3425	0	0	6627
127+50	50.00	67	0	37	0	145	0	52	0	10198	3487	0	0	6710
128+00	50.00	215	0	15	0	261	0	49	0	10459	3545	0	0	6913
128+50	50.00	149	0	37	0	336	0	48	0	10795	3603	0	0	7192
129+00	50.00	91	0	47	0	222	0	78	0	11017	3697	0	0	7320
129+50	50.00	81	0	55	0	160	0	95	0	11177	3811	0	0	7366
130+00	50.00	73	0	58	0	143	0	105	0	11320	3936	0	0	7383
130+50	50.00	88	0	22	0	149	0	74	0	11469	4025	0	0	7443
131+00	50.00	87	0	6	0	162	0	25	0	11631	4056	0	0	7575
131+50	50.00	112	0	3	0	184	0	9	0	11815	4066	0	0	7749
132+00	50.00	125	0	5	0	219	0	8	0	12034	4076	0	0	7958
132+50	50.00	103	0	4	0	211	0	9	0	12245	4086	0	0	8159
133+00	50.00	80	0	7	0	169	0	10	0	12414	4098	0	0	8316
133+50	50.00	87	0	3	0	154	0	9	0	12569	4109	0	0	8460
134+00	50.00	159	0	0	0	228	0	3	0	12797	4112	0	0	8684
134+50	50.00	117	0	4	0	256	0	3	0	13053	4116	0	0	8936
135+00	50.00	98	0	4	0	199	0	7	0	13252	4125	0	0	9126
135+50	50.00	397	0	6	0	458	0	9	0	13709	4136	0	0	9573
136+00	50.00	339	0	3	0	681	0	8	0	14391	4146	0	0	10244
136+50	50.00	86	0	4	0	394	0	7	0	14785	4155	0	0	10630
137+00	50.00	78	0	6	0	152	0	10	0	14937	4167	0	0	10770
137+50	50.00	175	0	32	0	235	0	35	0	15171	4209	0	0	10962
138+00	50.00	123	0	5	0	277	0	34	0	15448	4250	0	0	11198
138+50	50.00	126	0	15	0	231	0	18	0	15678	4272	0	0	11407
139+00	50.00	155	0	0	0	260	0	14	0	15938	4288	0	0	11651
139+50	50.00	100	0	17	0	236	0	16	0	16174	4307	0	0	11867
140+00	50.00	77	0	14	0	164	0	29	0	16338	4342	0	0	11996
140+50	50.00	209	0	35	0	265	0	45	0	16604	4397	0	0	12207
141+00	50.00	92	0	7	0	279	0	39	0	16883	4444	0	0	12439
141+50	50.00	103	0	3	0	181	0	10	0	17063	4455	0	0	12608
142+00	50.00	268	0	10	0	344	0	12	0	17407	4470	0	0	12937

W EDGERTON AVE (CONTINUED)

STATION	Distance	AREA (SF)				Incremental Vol (CY) (Unadjusted)				Cumulative Vol (CY)				Mass Ordinate
		Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	
142+24	23.85	558	0	0	0	365	0	4	0	17772	4475	0	0	13297
142+50	26.15	121	0	71	0	329	0	34	0	18101	4516	0	0	13585
143+00	50.00	111	0	15	0	215	0	79	0	18316	4611	0	0	13705
143+50	50.00	112	0	10	0	206	0	23	0	18521	4639	0	0	13883
144+00	50.00	84	0	20	0	182	0	28	0	18703	4672	0	0	14031
144+50	50.00	95	0	29	0	166	0	45	0	18869	4726	0	0	14143
145+00	50.00	114	0	18	0	193	0	44	0	19062	4778	0	0	14284
145+50	50.00	88	0	15	0	187	0	31	0	19249	4815	0	0	14434
146+00	50.00	98	0	11	0	172	0	24	0	19421	4844	0	0	14577
146+50	50.00	148	0	7	0	227	0	17	0	19648	4864	0	0	14784
147+00	50.00	85	0	17	0	215	0	23	0	19863	4892	0	0	14972
147+50	50.00	90	0	14	0	162	0	29	0	20025	4927	0	0	15098
148+00	50.00	98	0	7	0	174	0	20	0	20199	4951	0	0	15248
148+50	50.00	106	0	6	0	188	0	13	0	20388	4966	0	0	15421
149+00	50.00	115	0	3	0	204	0	8	0	20592	4977	0	0	15615
149+50	50.00	127	0	0	0	224	0	3	0	20815	4980	0	0	15836
150+00	50.00	143	0	0	0	250	0	0	0	21065	4980	0	0	16085
150+50	50.00	133	0	4	0	255	0	4	0	21321	4985	0	0	16336
151+00	50.00	118	0	10	0	233	0	13	0	21553	5000	0	0	16554
151+50	50.00	113	0	9	0	214	0	17	0	21767	5020	0	0	16747
152+00	50.00	106	0	18	0	203	0	25	0	21970	5050	0	0	16920
152+50	50.00	103	0	10	0	194	0	26	0	22164	5082	0	0	17082
153+00	50.00	95	0	15	0	183	0	23	0	22347	5110	0	0	17237
153+50	50.00	95	0	24	0	176	0	36	0	22523	5153	0	0	17370
154+00	50.00	87	0	31	0	168	0	51	0	22691	5214	0	0	17477
154+50	50.00	81	0	30	0	155	0	57	0	22847	5282	0	0	17565
155+00	50.00	94	0	12	0	162	0	39	0	23009	5329	0	0	17680
155+50	50.00	88	0	11	0	169	0	21	0	23177	5355	0	0	17823
156+00	50.00	176	0	0	0	245	0	10	0	23422	5367	0	0	18055
156+50	50.00	87	0	9	0	243	0	8	0	23665	5377	0	0	18288
157+00	50.00	80	0	14	0	154	0	22	0	23820	5403	0	0	18417
157+50	50.00	81	0	12	0	149	0	24	0	23969	5432	0	0	18537
158+00	50.00	145	0	38	0	210	0	47	0	24179	5488	0	0	18691
158+50	50.00	74	0	18	0	203	0	52	0	24381	5551	0	0	18831
159+00	50.00	75	0	17	0	138	0	33	0	24519	5590	0	0	18929
159+50	50.00	70	0	21	0	135	0	35	0	24654	5633	0	0	19021
160+00	50.00	403	0	16	0	438	0	34	0	25092	5673	0	0	19419
160+50	50.00	484	0	6	0	821	0	20	0	25914	5697	0	0	20217
161+00	50.00	88	0	5	0	530	0	10	0	26443	5709	0	0	20734
161+50	50.00	76	0	4	0	152	0	9	0	26595	5720	0	0	20875
162+00	50.00	68	0	28	0	133	0	30	0	26728	5756	0	0	20973
162+50	50.00	132	0	57	0	185	0	79	0	26914	5850	0	0	21063
163+00	50.00	50	0	51	0	168	0	100	0	27081	5970	0	0	21111
163+50	50.00	57	0	46	0	98	0	90	0	27180	6078	0	0	21102
164+00	50.00	94	0	24	0	139	0	65	0	27319	6156	0	0	21163
164+50	50.00	101	0	7	0	180	0	29	0	27499	6190	0	0	21309
165+00	50.00	70	0	24	0	158	0	29	0	27657	6225	0	0	21432
165+50	50.00	92	0	17	0	150	0	38	0	27806	6271	0	0	21535

W EDGERTON AVE (CONTINUED)

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
166+00		50.00	107	0	52	0	184	0	64	0	27991	6348	0	0	21643
166+50		50.00	87	0	57	0	180	0	101	0	28170	6468	0	0	21702
167+00		50.00	115	0	50	0	187	0	99	0	28357	6587	0	0	21770
167+50		50.00	101	0	52	0	200	0	95	0	28557	6701	0	0	21856
168+00		50.00	146	0	3	0	230	0	51	0	28786	6762	0	0	22025
168+27	BK	27.12	78	0	0	0	113	0	2	0	28899	6764	0	0	22135
					Column totals		28899	0	5636	0					

S. 48TH STREET

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
8+75	AH	0.00	57	0	3	0	0	0	0	0	0	0	0	0	0
9+00		25.00	57	0	3	0	53	0	3	0	53	3	0	0	50
9+50		50.00	47	0	6	0	96	0	8	0	149	12	0	0	137
9+55	BK	5.44	49	0	3	0	10	0	1	0	159	13	0	0	146
					Column totals		159	0	11	0					

S. 43RD STREET

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
7+56	AH	0.00	56	0	0	0	0	0	0	0	0	0	0	0	0
8+00		43.99	98	0	0	0	126	0	0	0	126	0	0	0	126
8+50		50.00	135	0	0	0	216	0	0	0	342	0	0	0	342
9+00		50.00	124	0	0	0	240	0	0	0	582	0	0	0	582
9+50		50.00	84	0	4	0	193	0	4	0	775	5	0	0	770
9+55	BK	5.17	90	0	10	0	17	0	1	0	792	7	0	0	785
10+44	AH	0.00	208	0	23	0	0	0	0	0	792	7	0	0	785
10+50		6.31	73	0	12	0	33	0	4	0	825	11	0	0	813
11+00		50.00	108	0	0	0	168	0	11	0	993	25	0	0	968
11+50		50.00	109	0	0	0	201	0	0	0	1193	25	0	0	1169
12+00	BK	50.00	84	0	0	0	178	0	0	0	1372	25	0	0	1347
					Column totals		1372	0	20	0					

HONEY CREEK DRIVE

STATION		Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	Mass Ordinate
7+50	AH	0.00	58	0	0	0	0	0	0	0	0	0	0	0	0
8+00		49.99	66	0	1	0	114	0	1	0	114	1	0	0	113
8+50		50.00	71	0	3	0	127	0	4	0	241	6	0	0	236
9+00		50.00	71	0	1	0	132	0	4	0	373	10	0	0	363
9+27		26.67	65	0	2	0	67	0	2	0	440	12	0	0	428
9+50		23.33	67	0	3	0	57	0	2	0	497	14	0	0	483
9+56	BK	6.00	93	0	5	0	18	0	1	0	515	15	0	0	500
						Column totals	515	0	13	0					

S. 41ST STREET

STATION		Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	Mass Ordinate
10+44	AH	0.00	105	0	0	0	0	0	0	0	0	0	0	0	0
10+50		6.50	90	0	0	0	24	0	0	0	24	0	0	0	24
11+00		50.00	84	0	0	0	162	0	0	0	185	0	0	0	185
11+50		50.00	58	0	0	0	132	0	0	0	317	0	0	0	317
12+00		50.00	45	0	2	0	96	0	2	0	414	2	0	0	412
12+25	BK	25.00	43	0	5	0	41	0	3	0	455	6	0	0	449
						Column totals	455	0	5	0					

S. 40TH STREET

STATION		Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	Mass Ordinate
10+44	AH	0.00	75	0	1	0	0	0	0	0	0	0	0	0	0
10+50		6.50	52	0	0	0	15	0	0	0	15	0	0	0	15
11+00		50.00	44	0	0	0	88	0	1	0	103	1	0	0	102
11+25	BK	24.99	49	0	1	0	43	0	1	0	146	2	0	0	144
						Column totals	146	0	2	0					

MALLARD CIRCLE

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
8+00	AH	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0
8+50		50.00	0	0	0	0	0	0	0	0	0	0	0	0	0
9+00		50.00	74	0	0	0	69	0	0	0	69	0	0	0	69
9+48		48.39	188	0	0	0	235	0	0	0	304	0	0	0	304
9+50		1.61	135	0	0	0	10	0	0	0	313	0	0	0	313
9+56	BK	6.00	152	0	3	0	32	0	0	0	345	0	0	0	345
					Column totals		345	0	0	0					

S. 37TH STREET NORTH

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
10+43	AH	0.00	86	0	0	0	0	0	0	0	0	0	0	0	0
10+50		6.57	66	0	0	0	18	0	0	0	18	0	0	0	18
11+00		50.00	54	0	0	0	111	0	0	0	129	0	0	0	129
11+40	BK	40.00	48	0	0	0	76	0	0	0	205	0	0	0	205
					Column totals		205	0	0	0					

S. 37TH STREET SOUTH

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
8+38	AH	0.00	133	0	1	0	0	0	0	0	0	0	0	0	0
8+50		12.00	139	0	2	0	60	0	1	0	60	1	0	0	60
9+00		50.00	132	0	0	0	251	0	2	0	311	3	0	0	308
9+50		50.00	151	0	0	0	262	0	0	0	573	4	0	0	570
9+56	BK	6.07	145	0	0	0	33	0	0	0	607	4	0	0	603
					Column totals		607	0	3	0					

PROJECT NO: 2980-00-00	HWY: EDGERTON AVE	COUNTY: MILWAUKEE	EARTHWORK DATA MALLARD CIRCLE, S. 37TH STREET NORTH & SOUTH	SHEET: 298	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\020101_GN.PPT PLOT DATE : 10/4/2016 6:07:57 AM PLOT BY : rebecca_a PLOT NAME : 020101_gn6 PLOT SCALE : 1:1

S. 36TH STREET

STATION		Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	Mass Ordinate
10+43	AH	0.00	229	0	40	0	0	0	0	0	0	0	0	0	0
10+50		6.97	102	0	11	0	43	0	7	0	43	8	0	0	35
10+60	BK	10.00	48	0	7	0	28	0	3	0	70	12	0	0	58
					Column totals		70	0	10	0					

S 35TH STREET

STATION		Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	Mass Ordinate
10+43	AH	0.00	131	0	0	0	0	0	0	0	0	0	0	0	0
10+50		6.54	90	0	0	0	27	0	0	0	27	0	0	0	27
11+00		50.00	89	0	9	0	166	0	8	0	192	10	0	0	182
11+50		50.00	116	0	7	0	190	0	15	0	383	28	0	0	354
12+00		50.00	186	0	3	0	280	0	9	0	662	39	0	0	623
12+50		50.00	48	0	19	0	216	0	20	0	879	63	0	0	816
12+75	BK	24.80	49	0	10	0	44	0	13	0	923	78	0	0	845
					Column totals		923	0	65	0					

S 35TH SERVICE DR

STATION		Distance	AREA (SF) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Incremental Vol (CY) (Unadjusted) Cut	Salvaged/ Unusable Pavement Material	Fill	EBS	Cumulative Vol (CY) Cut 1.00	Expanded Fill 1.2	Expanded EBS Backfill 1.30	Reduced EBS In Fill 0.80	Mass Ordinate
9+92	AH	0.00	32	0	0	0	0	0	0	0	0	0	0	0	0
10+00		8.20	32	0	0	0	10	0	0	0	10	0	0	0	10
10+28		27.60	34	0	0	0	33	0	0	0	43	0	0	0	43
10+50		22.40	24	0	3	0	24	0	1	0	67	2	0	0	65
10+57		7.05	27	0	3	0	7	0	1	0	74	3	0	0	71
10+86		29.44	10	0	12	0	21	0	8	0	94	13	0	0	82
11+00		13.51	5	0	14	0	4	0	6	0	98	21	0	0	78
11+50		50.00	22	0	6	0	25	0	18	0	124	42	0	0	81
12+00		50.00	59	0	0	0	75	0	6	0	198	49	0	0	149
12+50		50.00	41	0	4	0	92	0	3	0	291	53	0	0	237
12+75		25.00	41	0	3	0	38	0	3	0	328	57	0	0	272
					Column totals		328	0	47	0					

HIDDEN DRIVE

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
8+50	AH	0.00	59	0	0	0	0	0	0	0	0	0	0	0	0
8+81		30.93	61	0	0	0	69	0	0	0	69	0	0	0	69
9+00		19.07	63	0	9	0	44	0	3	0	113	4	0	0	109
9+18		18.21	63	0	7	0	43	0	5	0	156	11	0	0	145
9+21		2.60	63	0	3	0	6	0	0	0	162	11	0	0	151
9+50		29.19	61	0	19	0	67	0	11	0	229	25	0	0	204
9+55	BK	5.29	64	0	10	0	12	0	3	0	241	28	0	0	213
					Column totals		241	0	23	0					

SB TUCKAWAY BLVD

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
7+97	AH	0.00	30	0	0	0	0	0	0	0	0	0	0	0	0
8+00		3.25	30	0	0	0	4	0	0	0	4	0	0	0	4
8+02		1.56	30	0	0	0	2	0	0	0	5	0	0	0	5
8+50		48.44	34	0	2	0	57	0	2	0	63	3	0	0	60
8+56		5.67	41	0	0	0	8	0	0	0	71	3	0	0	68
9+00		44.33	51	0	0	0	75	0	0	0	146	3	0	0	143
9+50		50.00	71	0	0	0	114	0	0	0	260	3	0	0	257
9+55	BK	5.08	105	0	1	0	17	0	0	0	276	3	0	0	273
					Column totals		276	0	3	0					

NB TUCKAWAY BLVD

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
7+98	AH	0.00	46	0	0	0	0	0	0	0	0	0	0	0	0
8+00		1.99	46	0	0	0	3	0	0	0	3	0	0	0	3
8+03		2.70	47	0	0	0	5	0	0	0	8	0	0	0	8
8+50		47.30	55	0	0	0	89	0	0	0	97	0	0	0	97
8+55		5.43	58	0	0	0	11	0	0	0	109	0	0	0	108
9+00		44.57	68	0	0	0	103	0	0	0	212	0	0	0	212
9+50		50.00	59	0	0	0	117	0	0	0	329	0	0	0	329
9+56	BK	6.03	59	0	0	0	13	0	0	0	342	0	0	0	342
					Column totals		342	0	0	0					

S 34TH STREET

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
10+43	AH	0.00	99	0	0	0	0	0	0	0	0	0	0	0	0
10+50		6.91	80	0	0	0	23	0	0	0	23	0	0	0	23
11+00		50.00	61	0	0	0	131	0	0	0	154	0	0	0	154
11+50		50.00	61	0	0	0	113	0	0	0	267	1	0	0	267
12+00		50.00	52	0	0	0	104	0	1	0	372	1	0	0	370
					Column totals		372	0	1	0					

S 31ST STREET

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
8+90	AH	0.00	32	0	0	0	0	0	0	0	0	0	0	0	0
9+00		9.99	32	0	0	0	12	0	0	0	12	0	0	0	12
9+50		50.00	34	0	0	0	61	0	0	0	72	1	0	0	72
9+55	BK	5.37	24	0	3	0	6	0	0	0	78	1	0	0	77
10+42	AH	86.52	27	0	3	0	0	0	0	0	78	1	0	0	77
10+50		8.11	10	0	12	0	6	0	2	0	84	4	0	0	80
10+57		6.98	5	0	14	0	2	0	3	0	86	8	0	0	78
10+94		36.80	22	0	6	0	19	0	13	0	105	24	0	0	81
11+00		6.22	59	0	0	0	9	0	1	0	114	25	0	0	89
11+50		50.00	41	0	4	0	92	0	3	0	206	29	0	0	177
11+58	BK	8.00	41	0	3	0	12	0	1	0	218	30	0	0	188
					Column totals		218	0	25	0					

S 30TH STREET

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
8+85	AH	0.00	71	0	0	0	0	0	0	0	0	0	0	0	0
9+00		15.00	127	0	0	0	55	0	0	0	55	0	0	0	55
9+50		50.00	82	0	0	0	194	0	0	0	249	0	0	0	249
9+55	BK	5.36	114	0	1	0	19	0	0	0	268	0	0	0	268
10+42	AH	86.46	79	0	47	0	0	0	0	0	268	0	0	0	268
10+50		8.18	156	0	0	0	36	0	7	0	304	9	0	0	295
10+54		3.73	112	0	0	0	19	0	0	0	322	9	0	0	313
10+98		43.88	172	0	0	0	231	0	0	0	553	9	0	0	544
11+00		2.39	171	0	0	0	15	0	0	0	568	9	0	0	560
11+41		41.49	128	0	0	0	229	0	0	0	798	9	0	0	789
11+50		8.51	123	0	0	0	40	0	0	0	837	9	0	0	828
12+00		50.00	88	0	0	0	195	0	0	0	1032	9	0	0	1024
12+25	BK	25.00	65	0	0	0	71	0	0	0	1103	9	0	0	1094
					Column totals		1103	0	7	0					

FD DRIVE

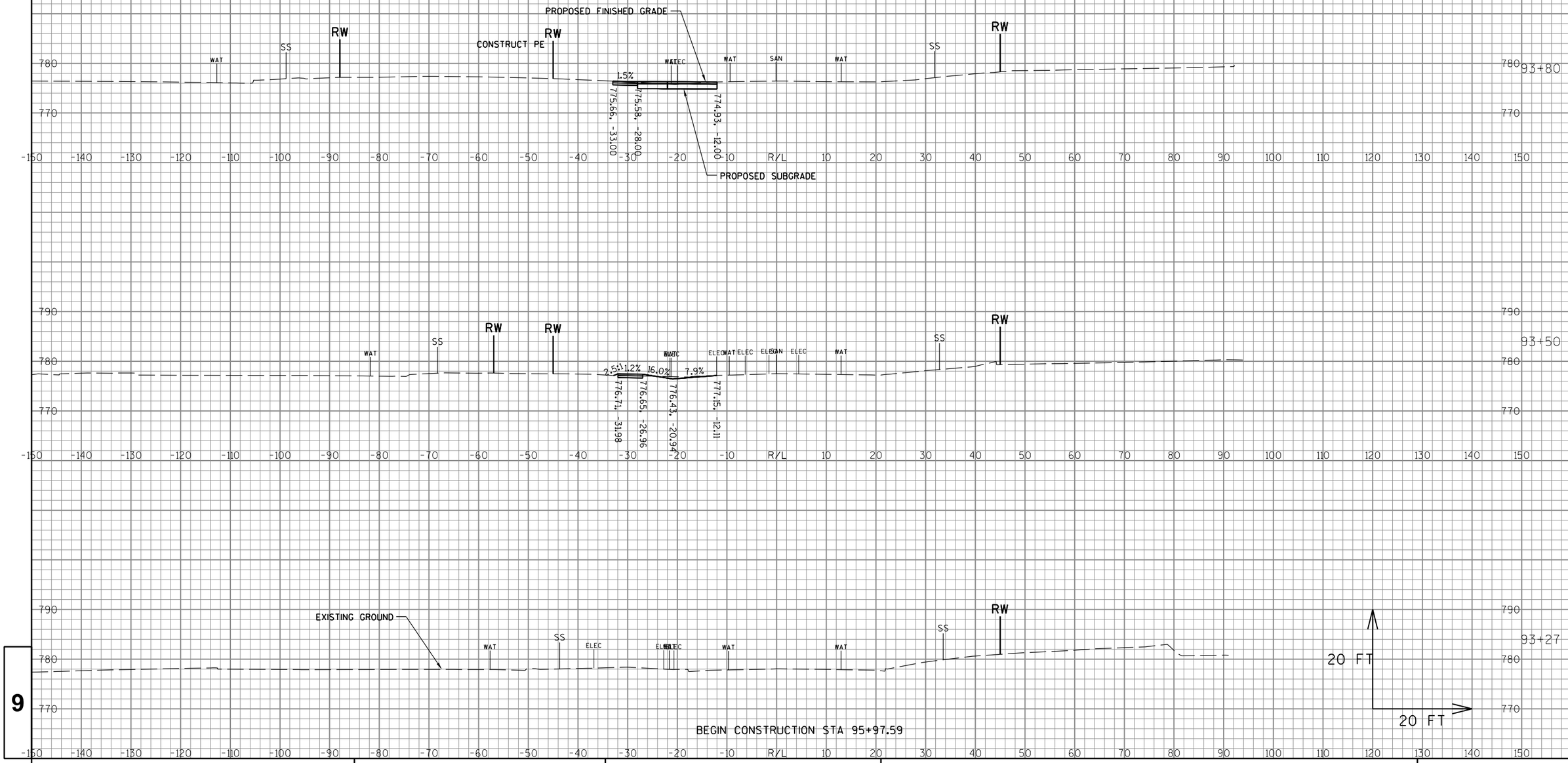
STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
5+44	AH	0.00	294	0	14	0	0	0	0	0	0	0	0	0	0
5+50		6.01	171	0	0	0	52	0	2	0	52	2	0	0	50
5+55	BK	4.73	89	0	0	0	23	0	0	0	74	2	0	0	73
					Column totals		74	0	2	0					

TUCKAWAY DRIVE

STATION		Distance	AREA (SF) Cut	AREA (SF) Salvaged/ Unusable Pavement Material	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Salvaged/ Unusable Pavement Material	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.2	Cumulative Vol (CY) Expanded EBS Backfill 1.30	Cumulative Vol (CY) Reduced EBS In Fill 0.80	Mass Ordinate
9+00	AH	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0
9+45	BK	45.00	39	0	17	0	33	0	14	0	33	17	0	0	16
					Column totals		33	0	14	0					

PROJECT NO: 2980-00-00	HWY: EDGERTON AVE	COUNTY: MILWAUKEE	EARTHWORK DATA S 30TH STREET, FD DRIVE & TUCKAWAY DRIVE	SHEET: 302	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsOther\020101_GN.PPT PLOT DATE : 10/4/2016 6:07:57 AM PLOT BY : rebecca_a PLOT NAME : 020101_gn10 PLOT SCALE : 1:1



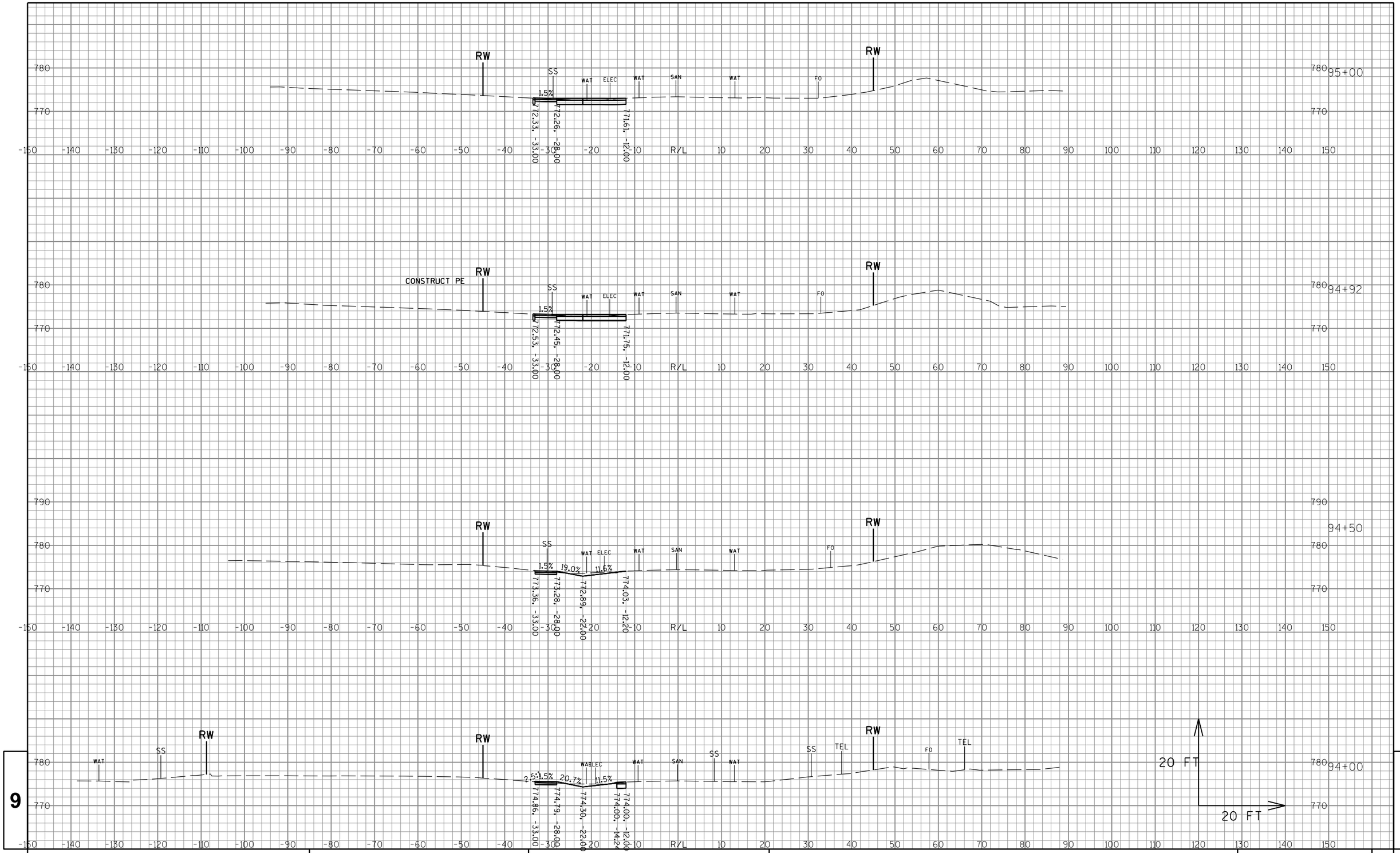
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 303	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



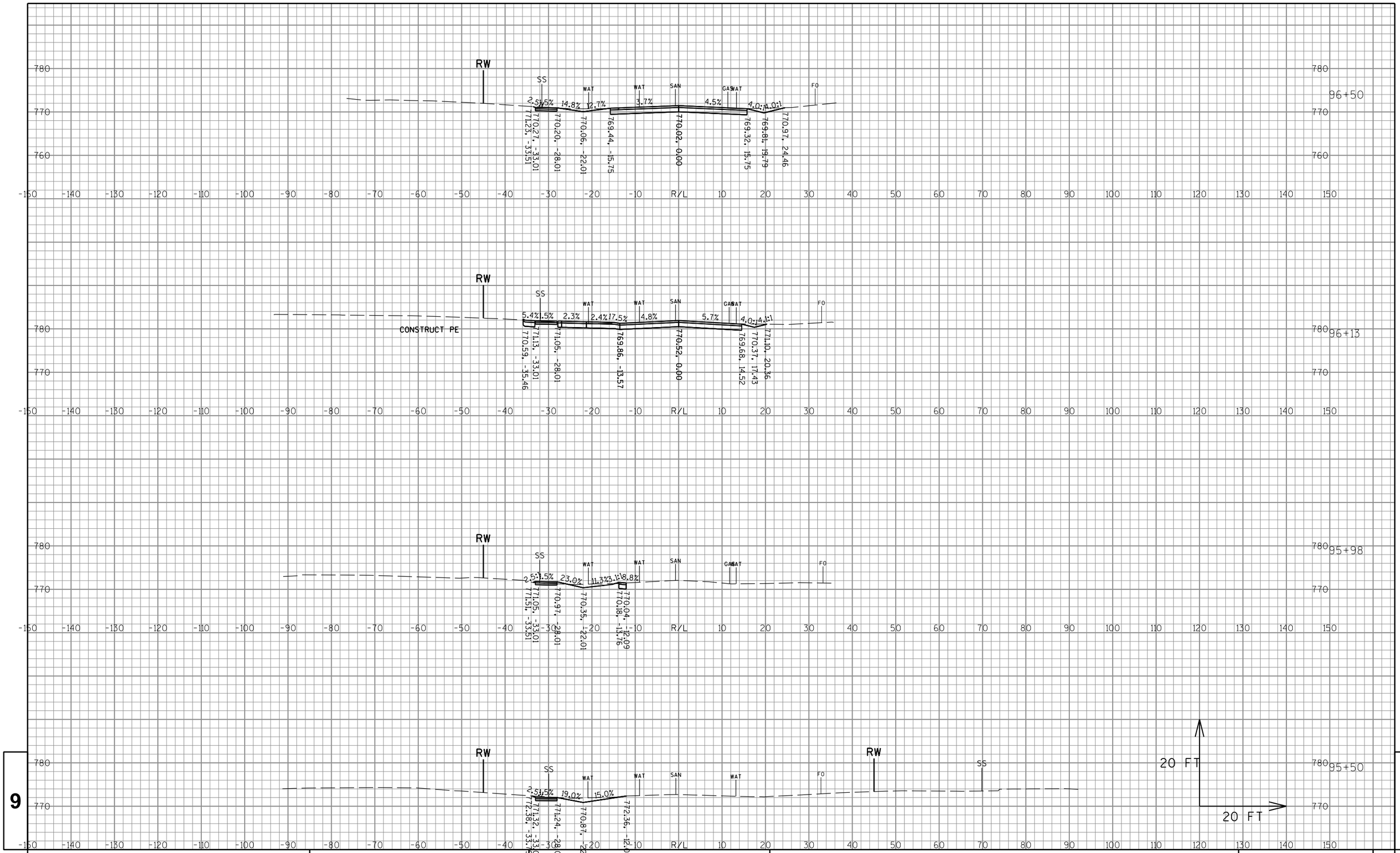
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9

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 304	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



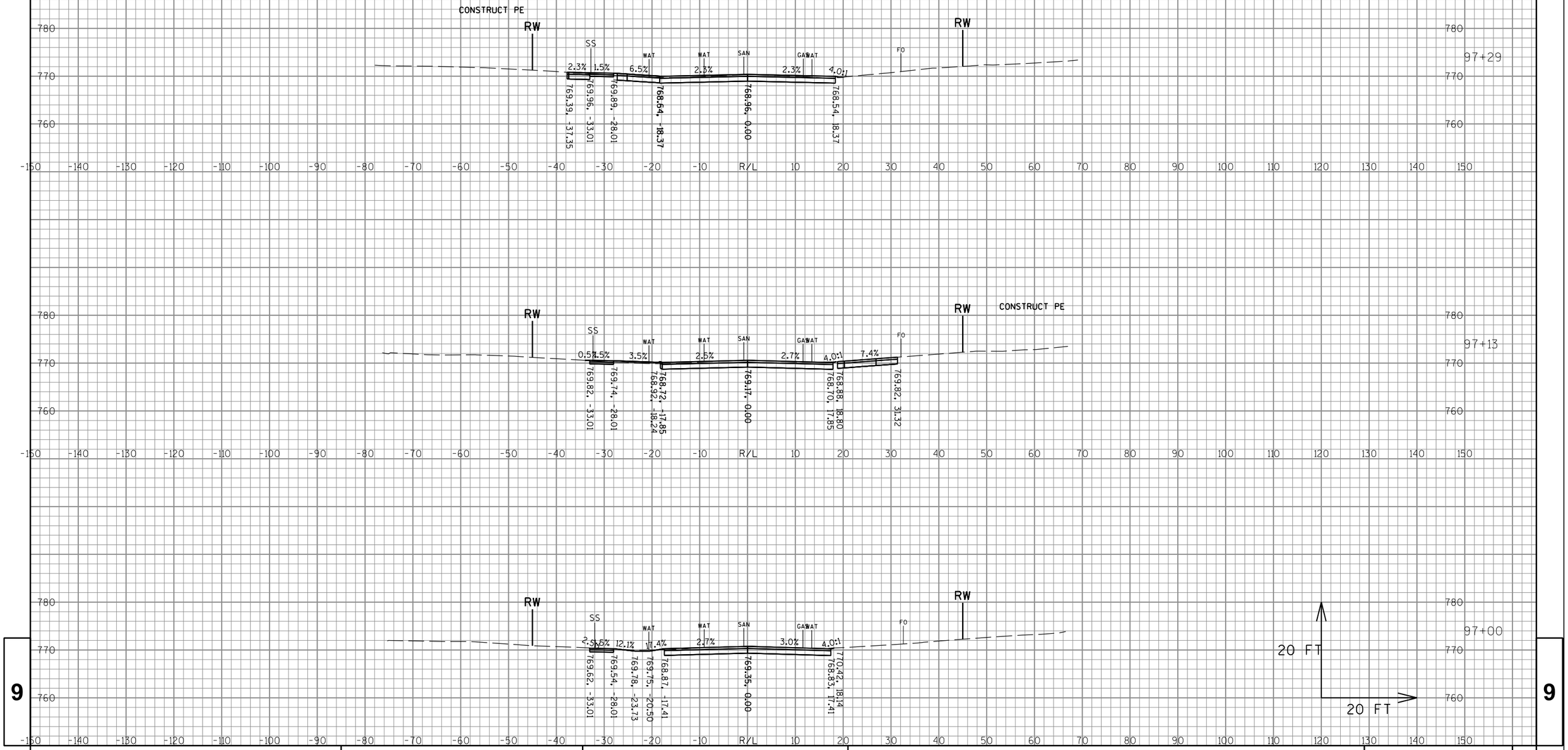
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 305	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn | PLOT DATE : 10/4/2016 | PLOT BY : wwolak | PLOT NAME : | PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



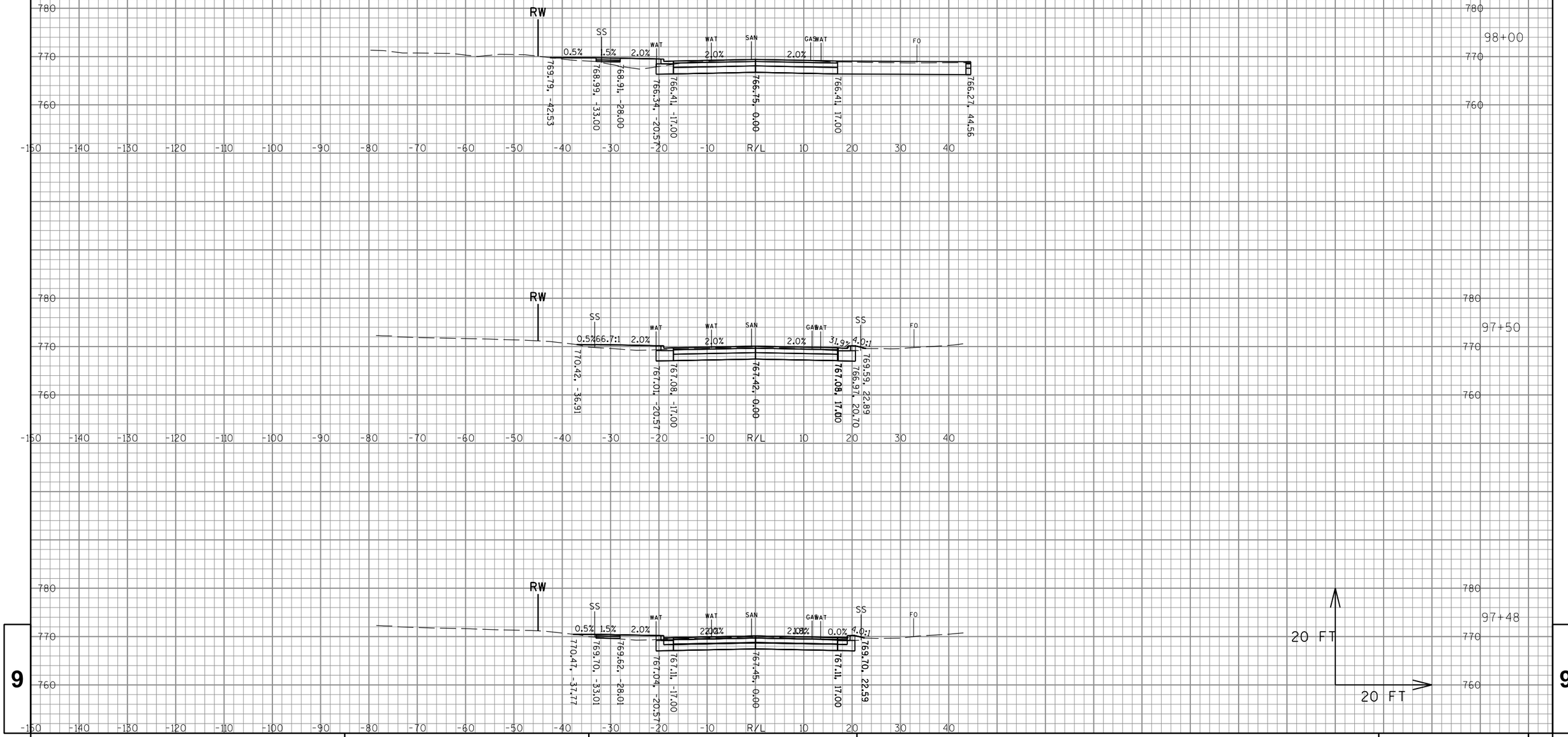
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 306	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



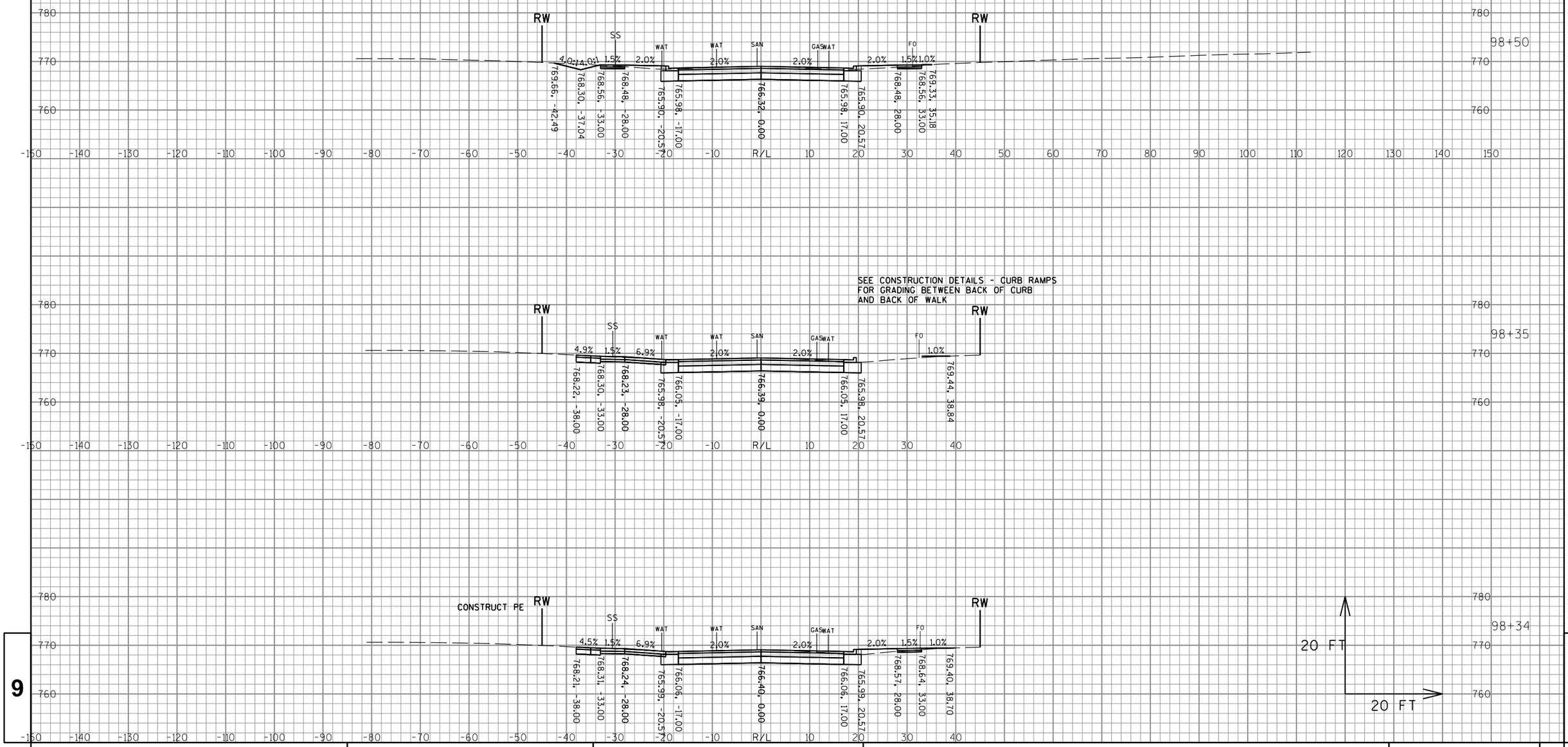
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 307	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



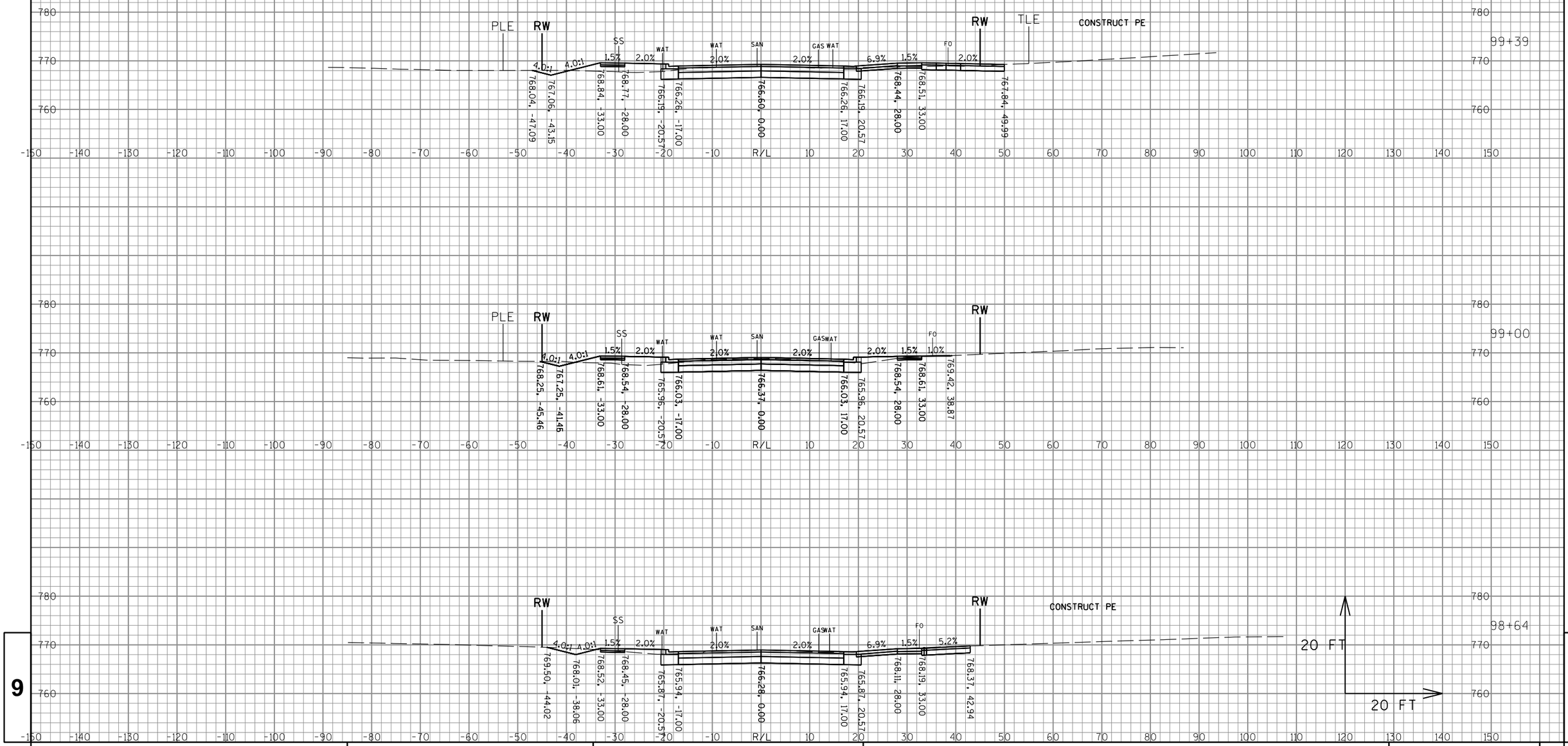
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 308	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



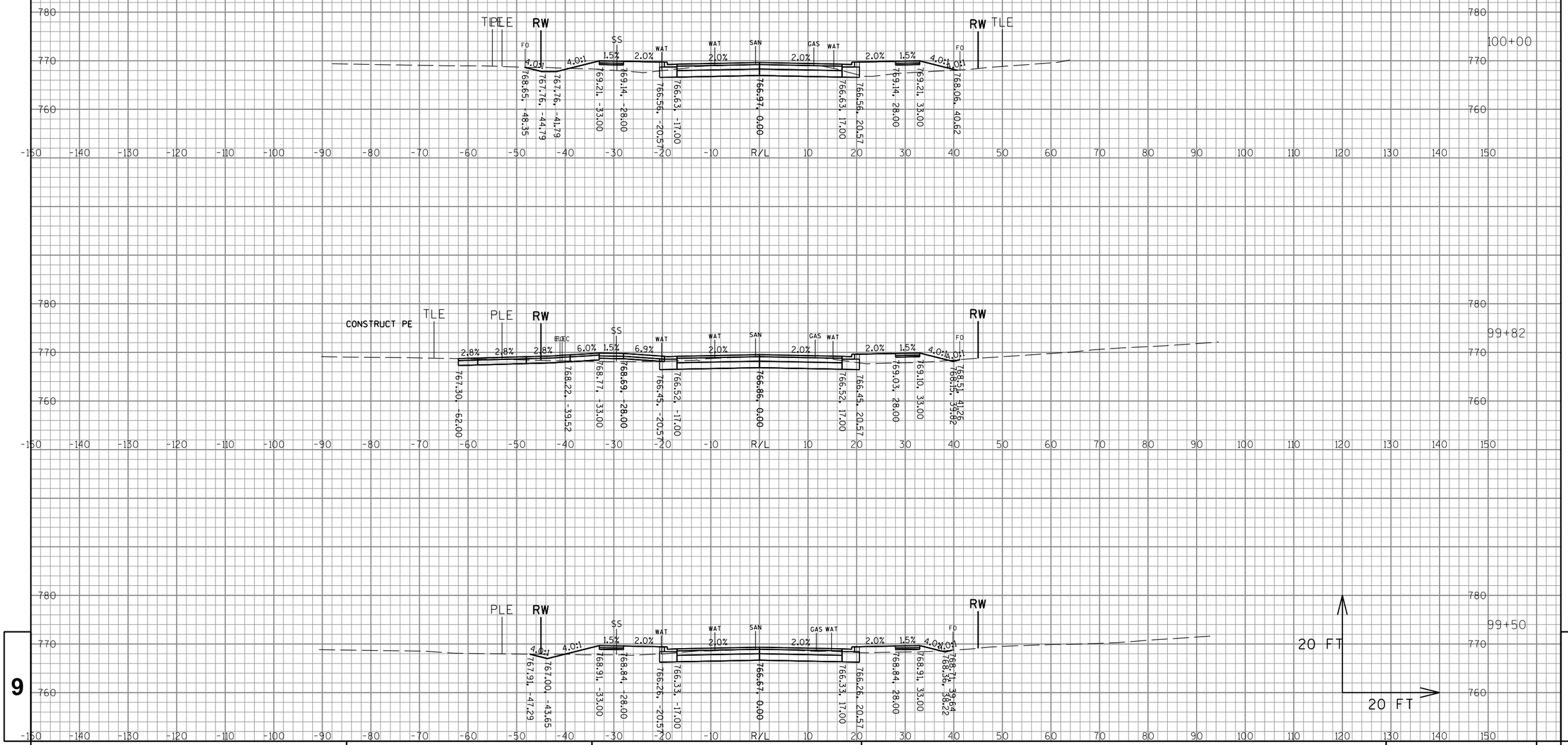
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 309	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



9

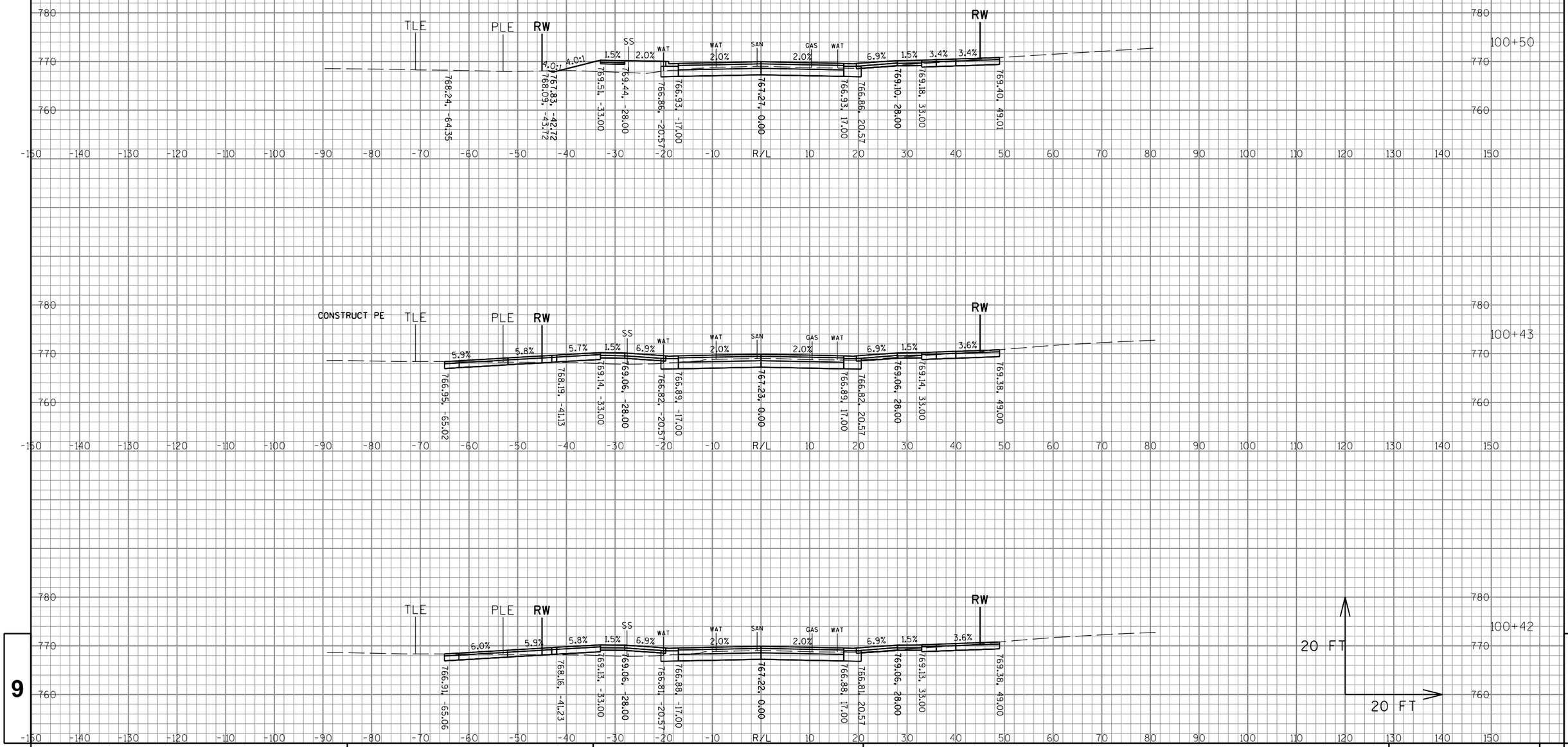
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 310	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn

PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



9

9

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 311	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

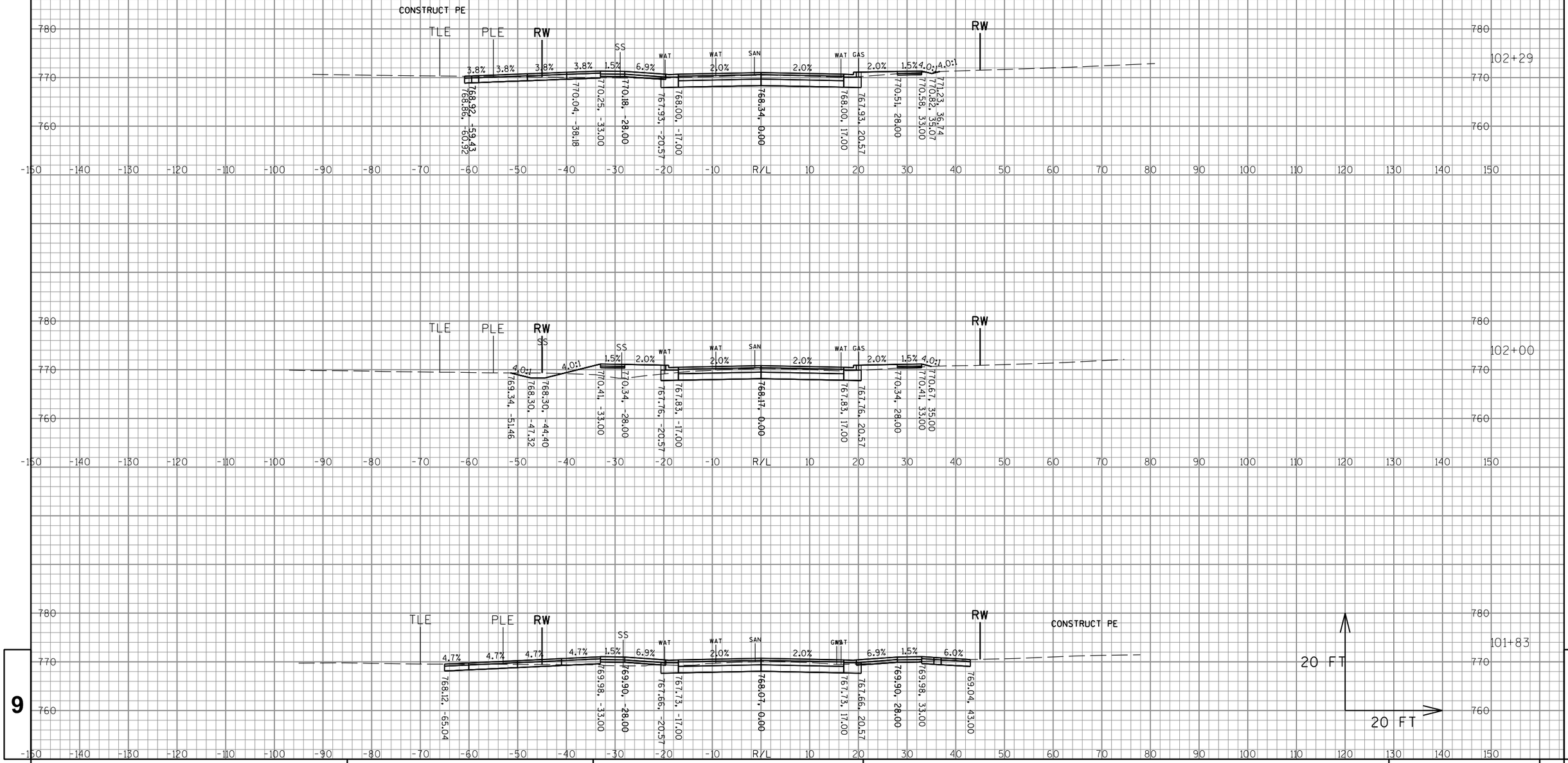
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 312	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



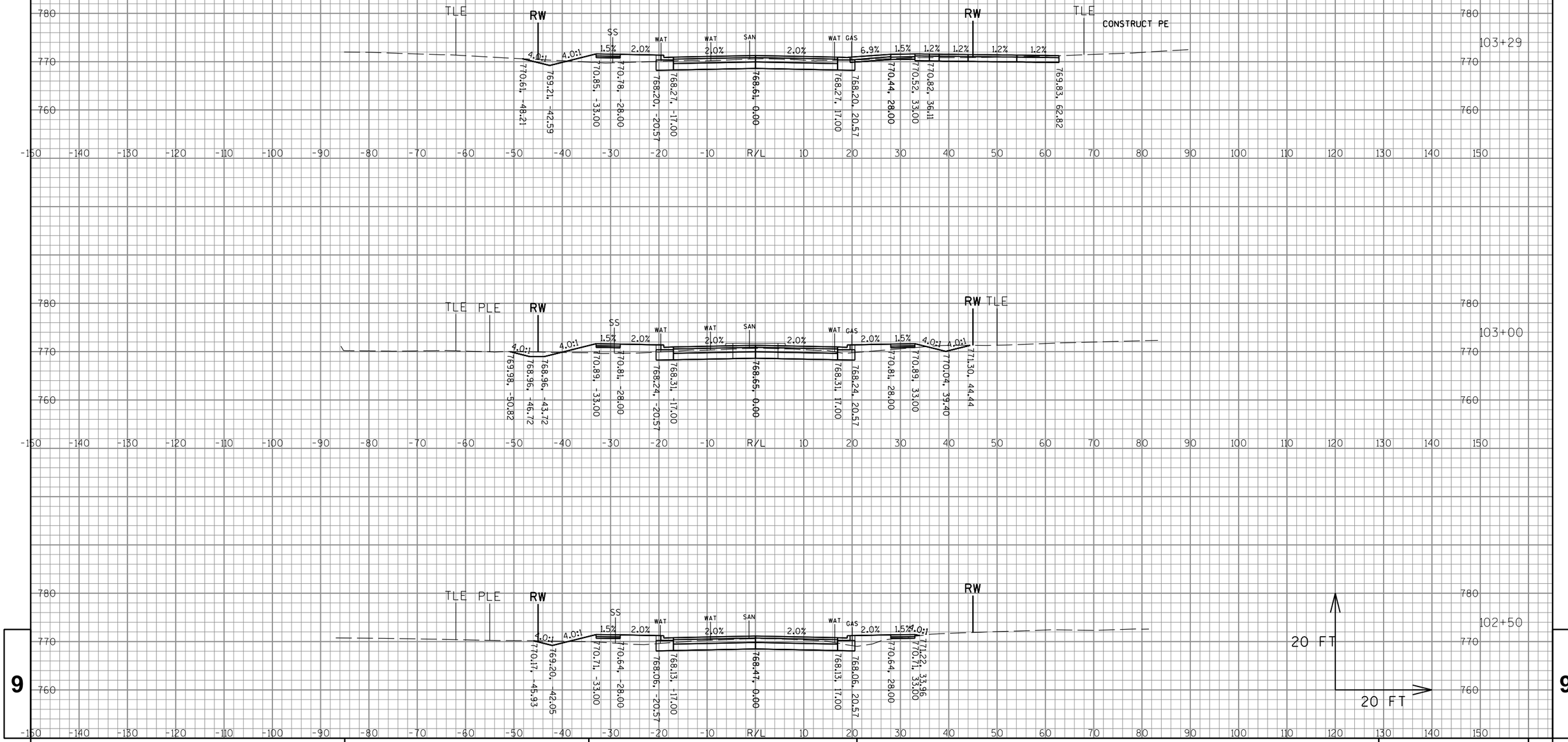
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 313	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

9



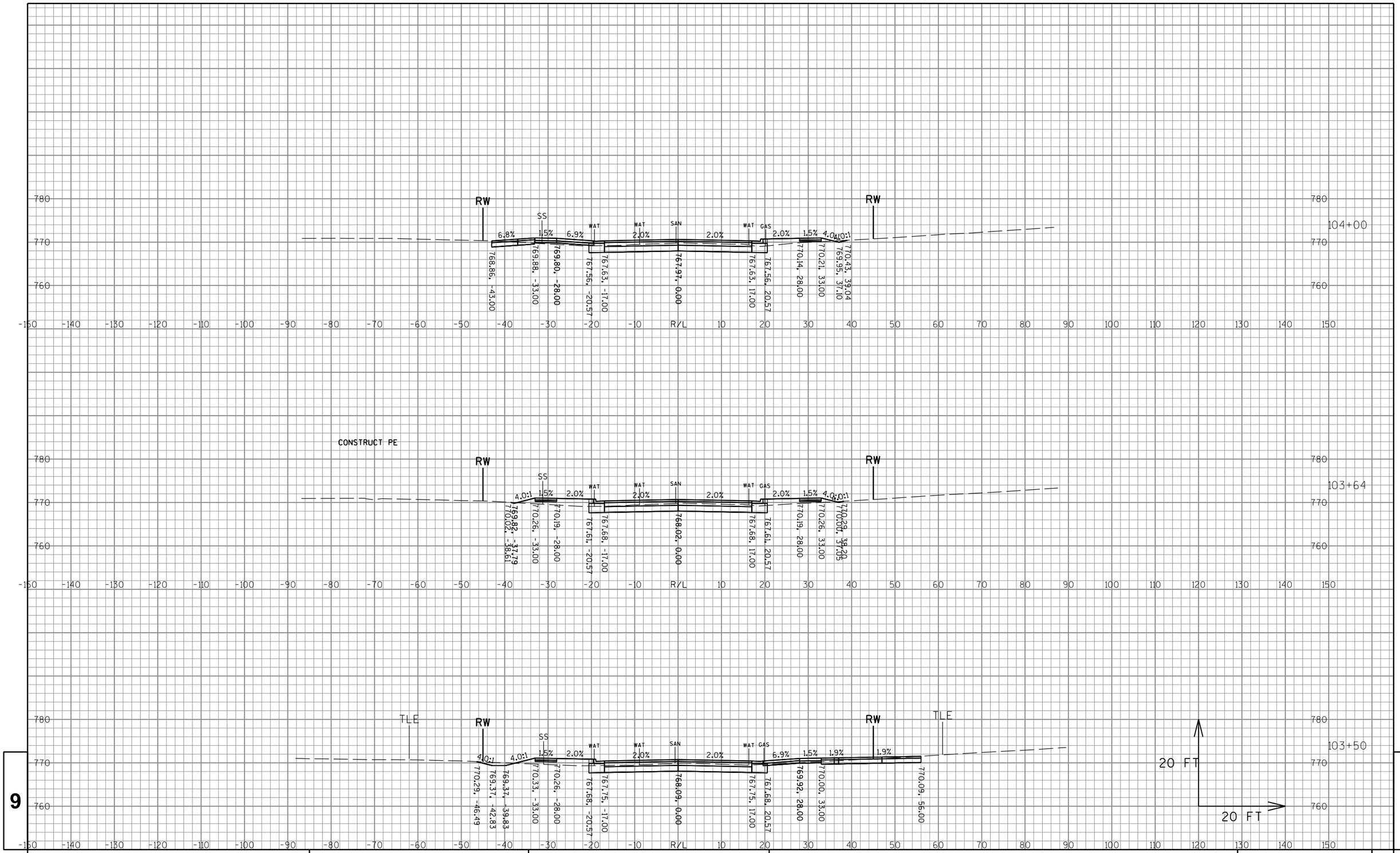
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 314	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



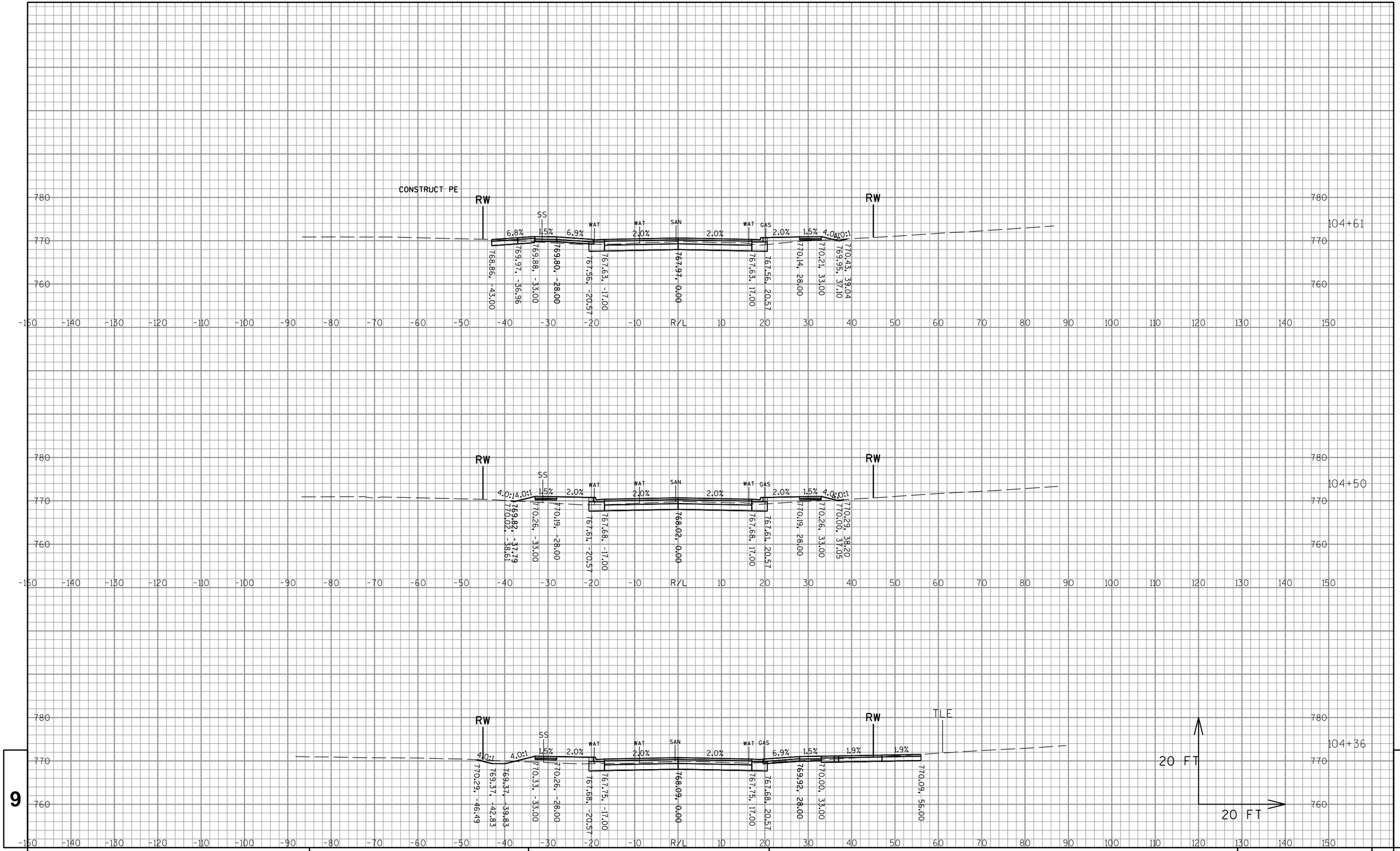
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 315	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



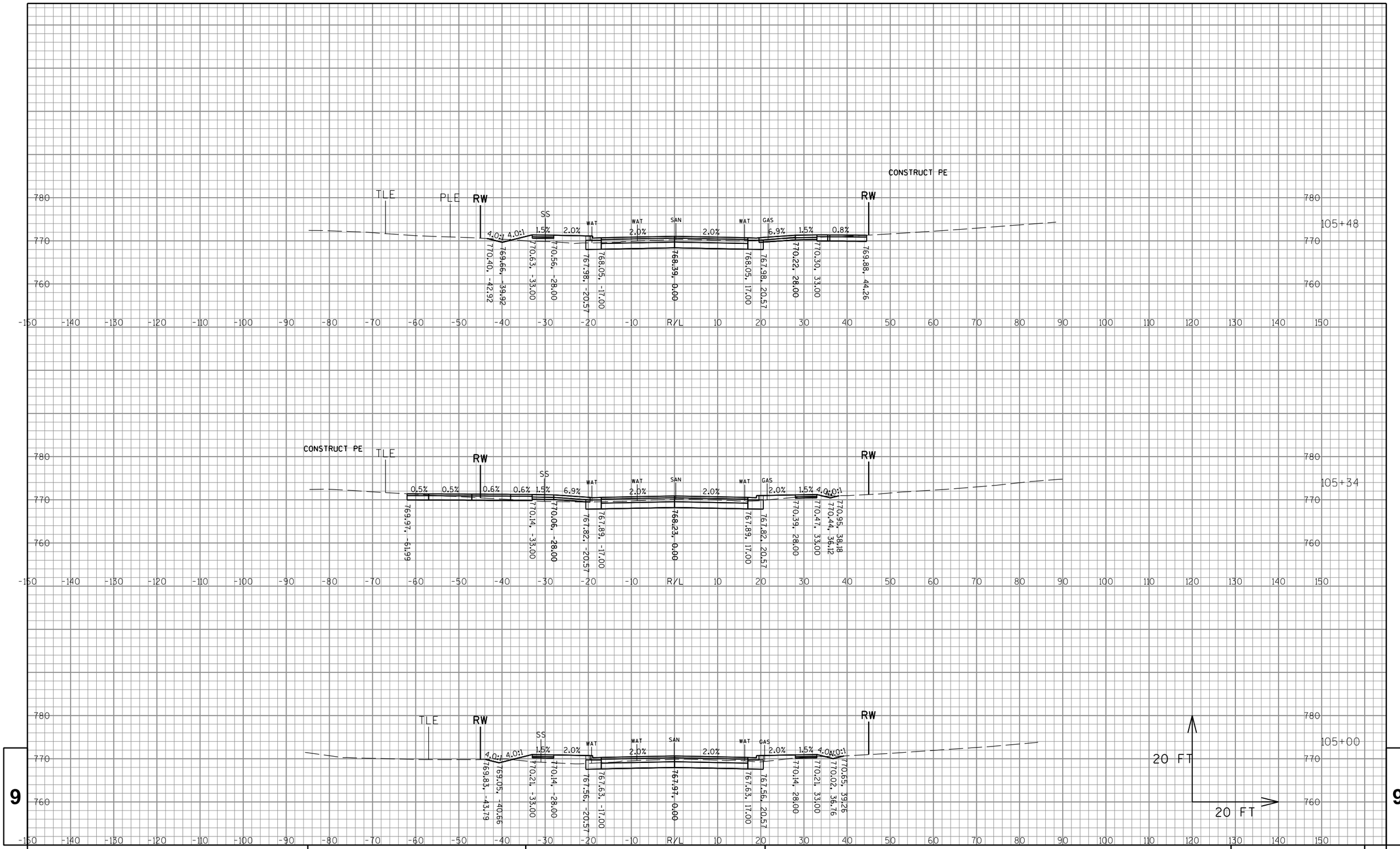
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 316	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



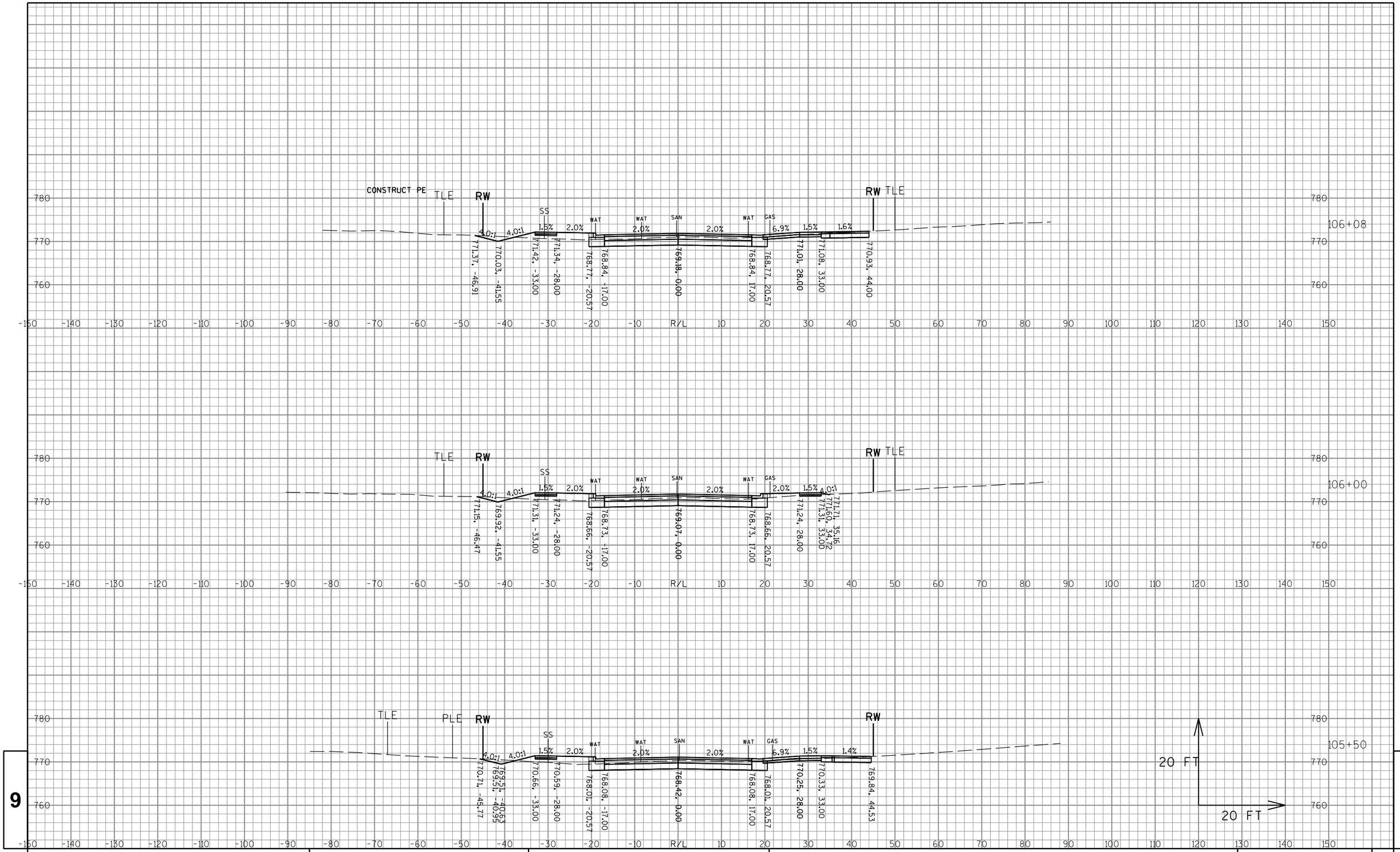
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 317	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn | PLOT DATE : 10/4/2016 | PLOT BY : wwolak | PLOT NAME : | PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



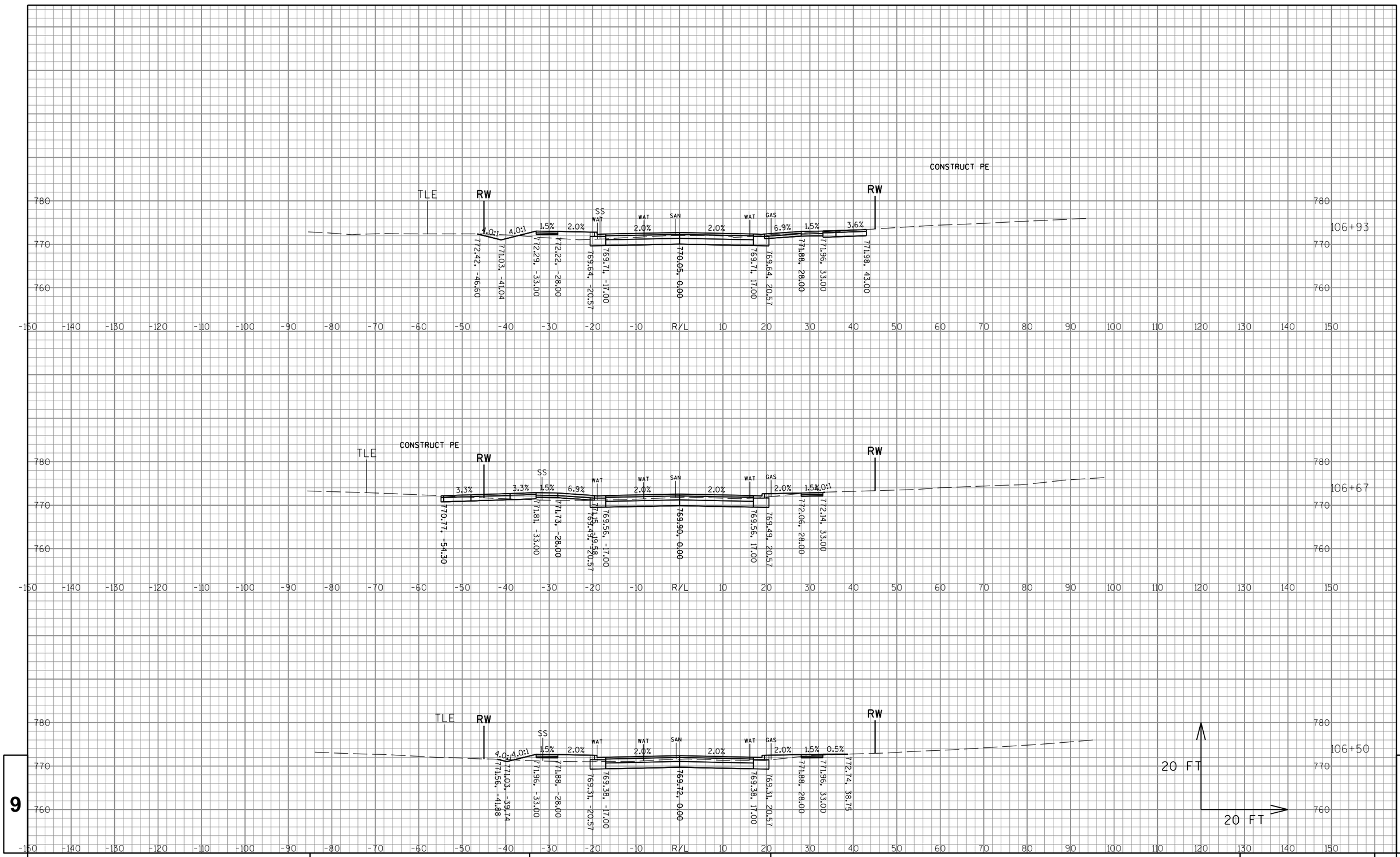
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9

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 318	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

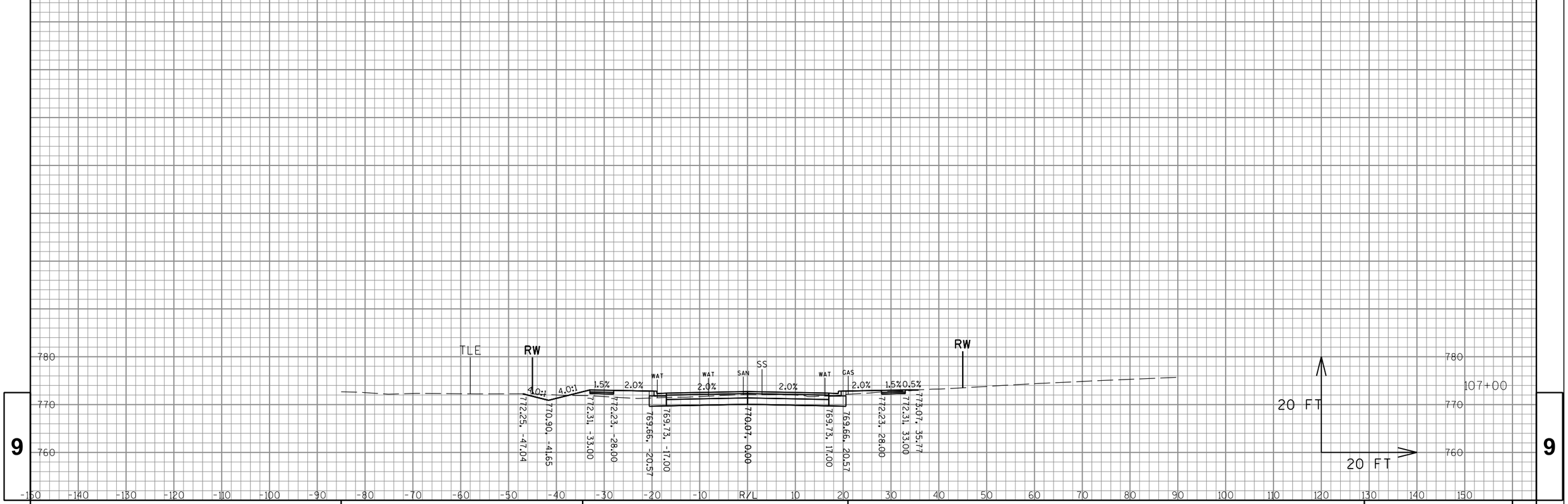
WISDOT/CADDS SHEET 49



PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 319	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



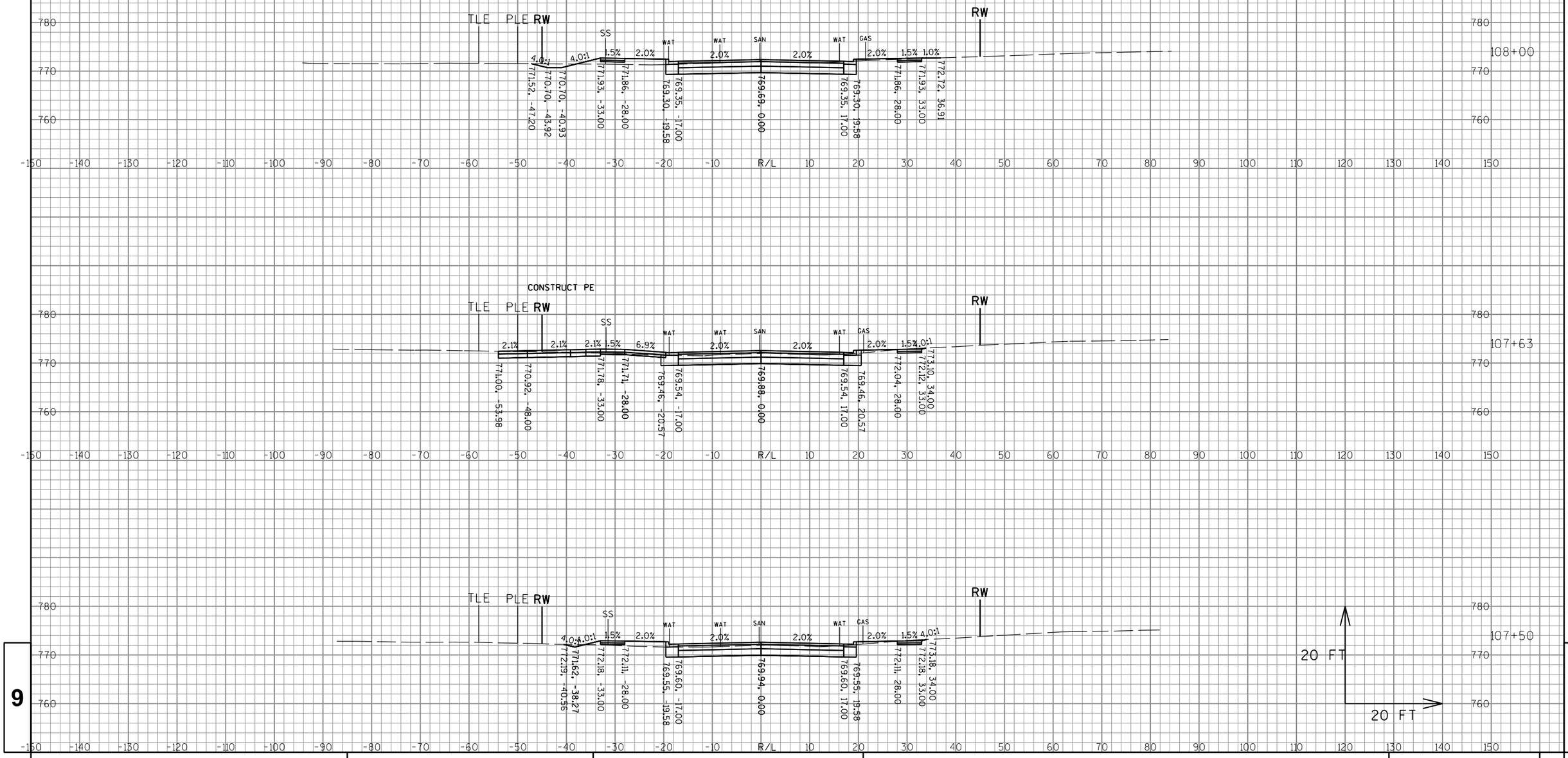
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 320	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\1.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



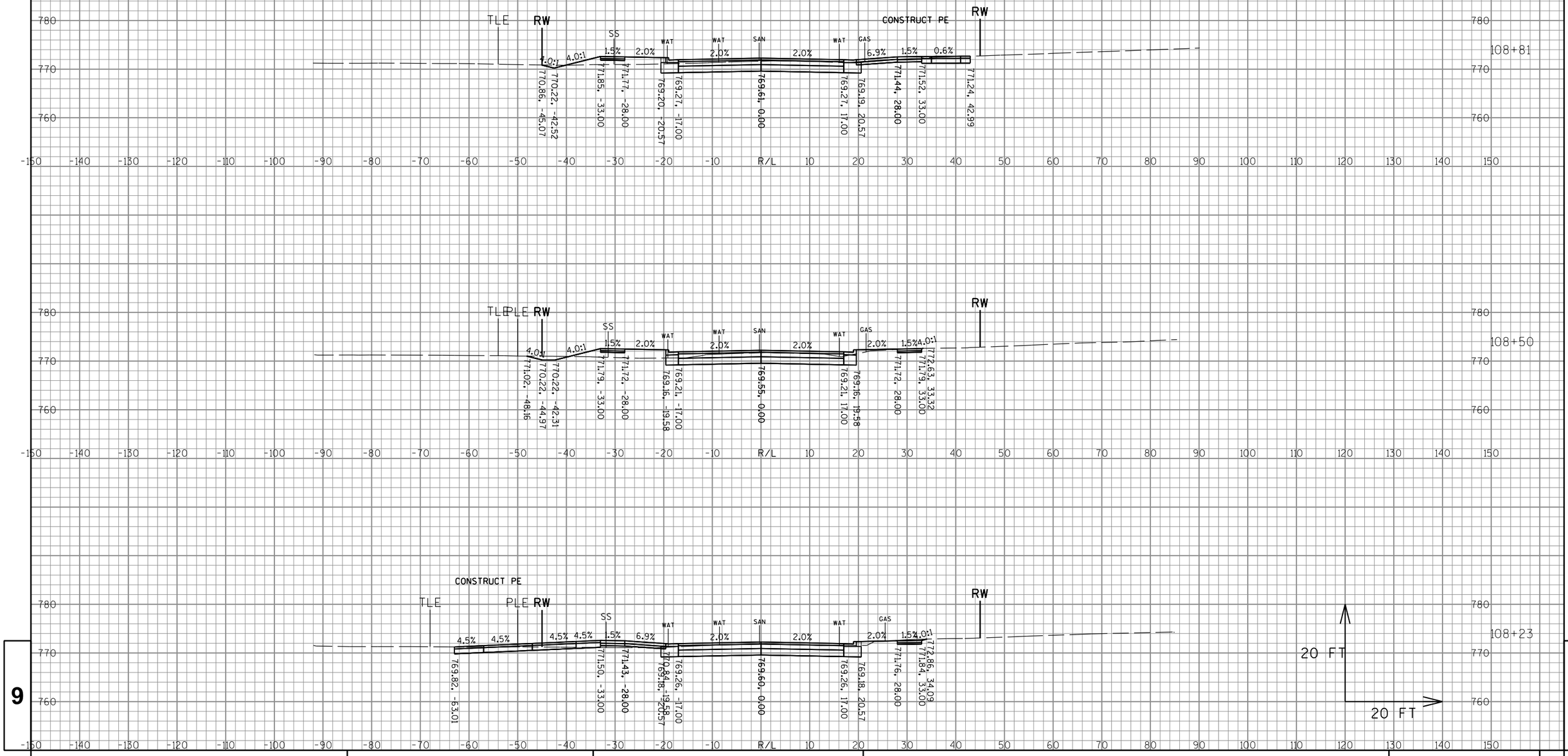
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 321	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\2.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



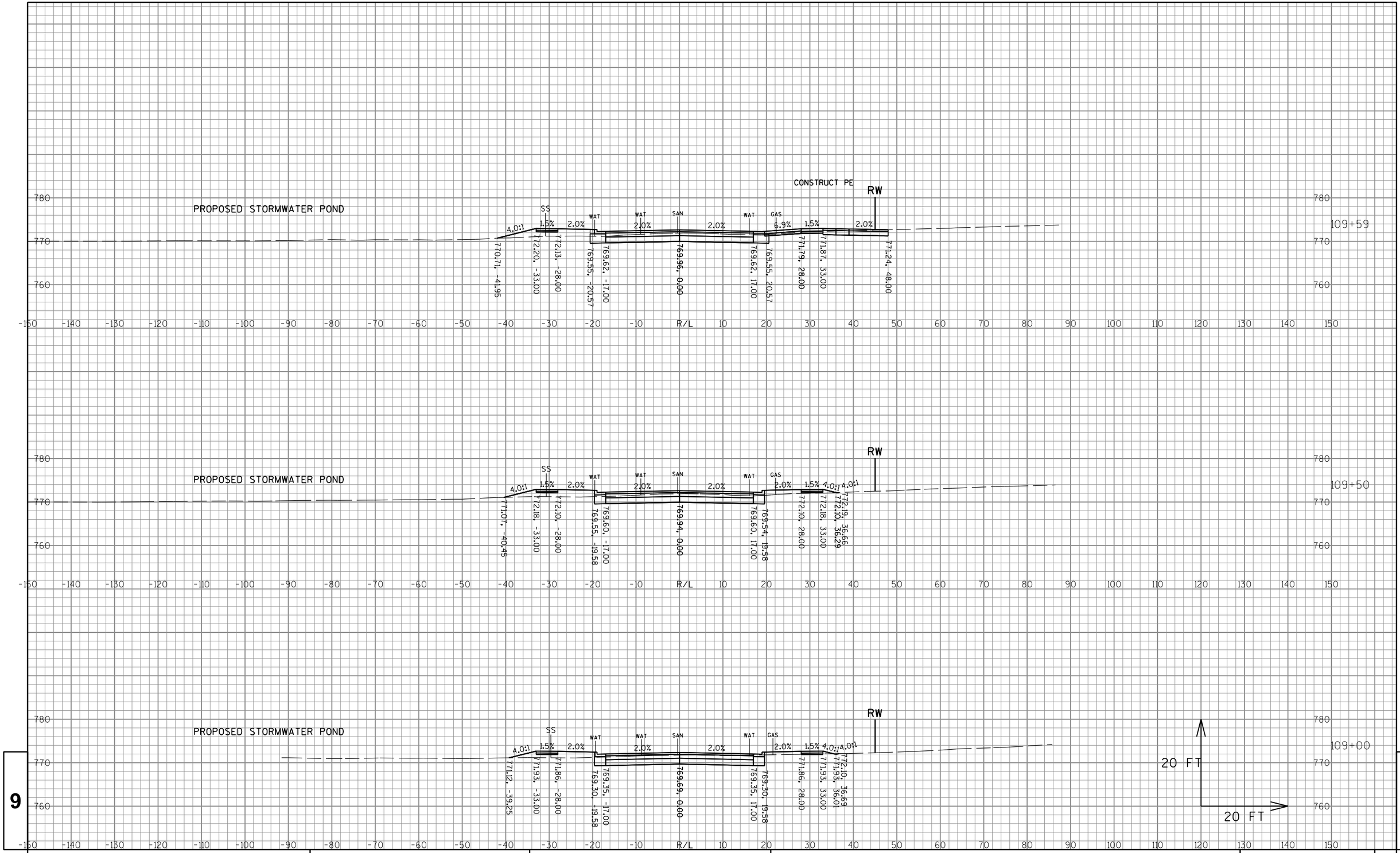
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 322	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\2.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



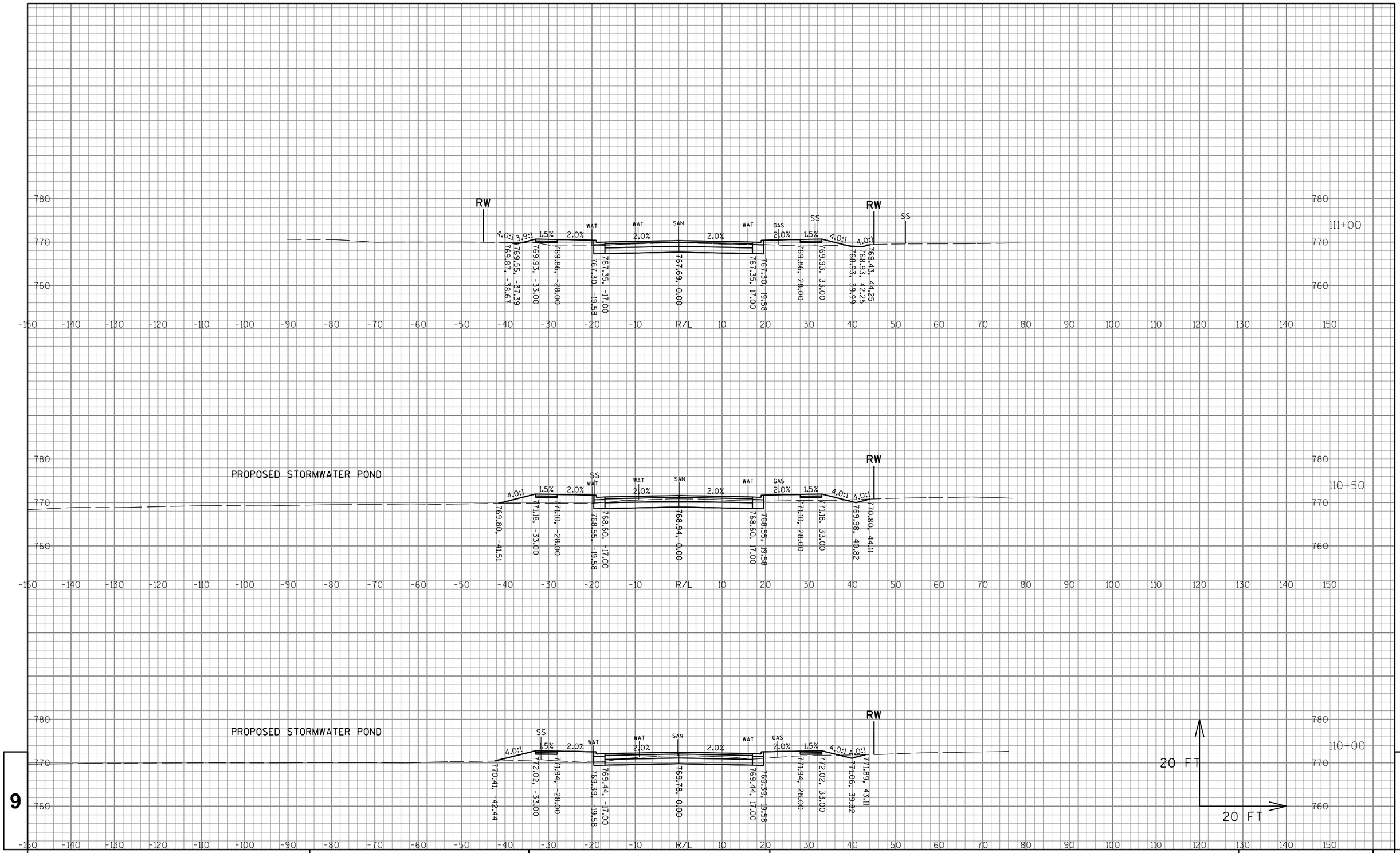
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 323	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\2.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



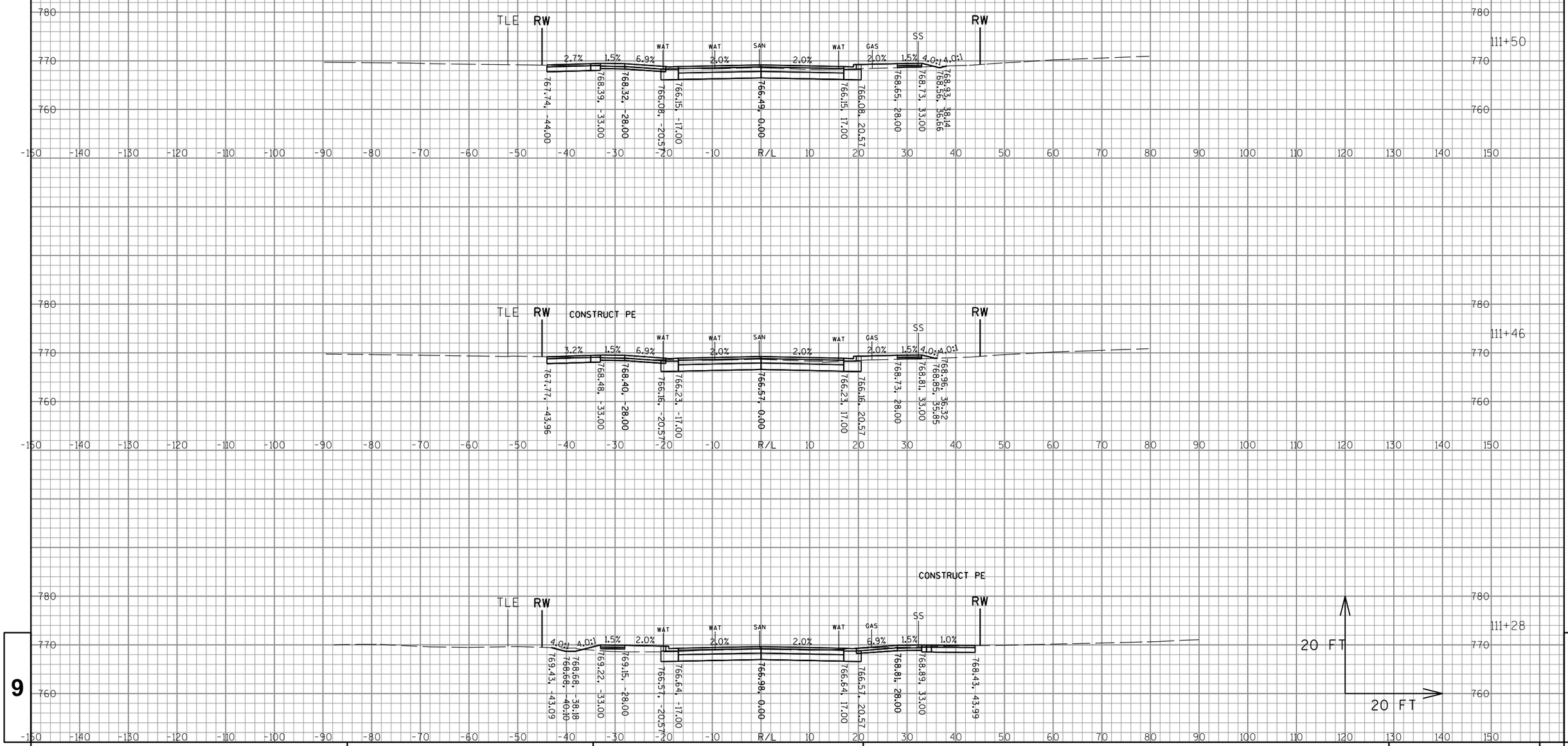
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 324	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\2.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



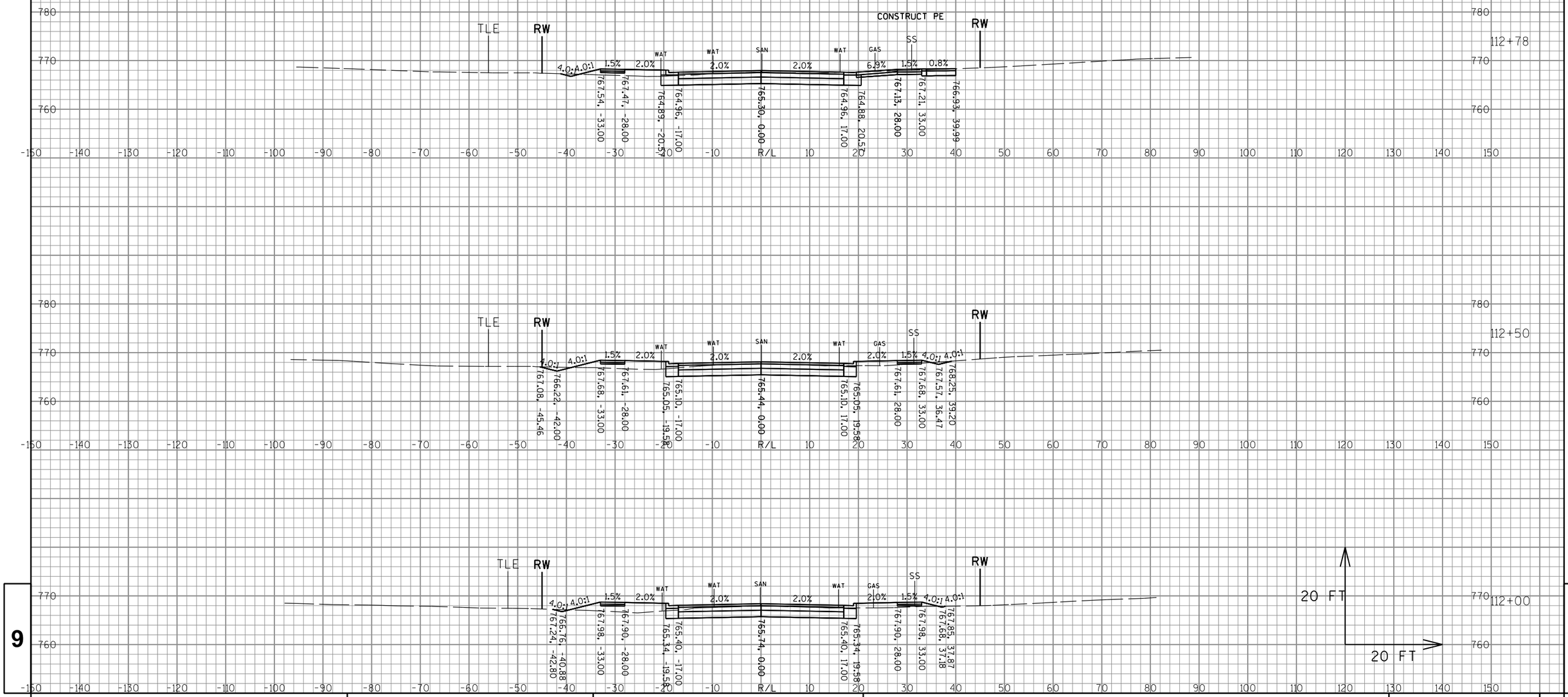
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 325	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\2.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



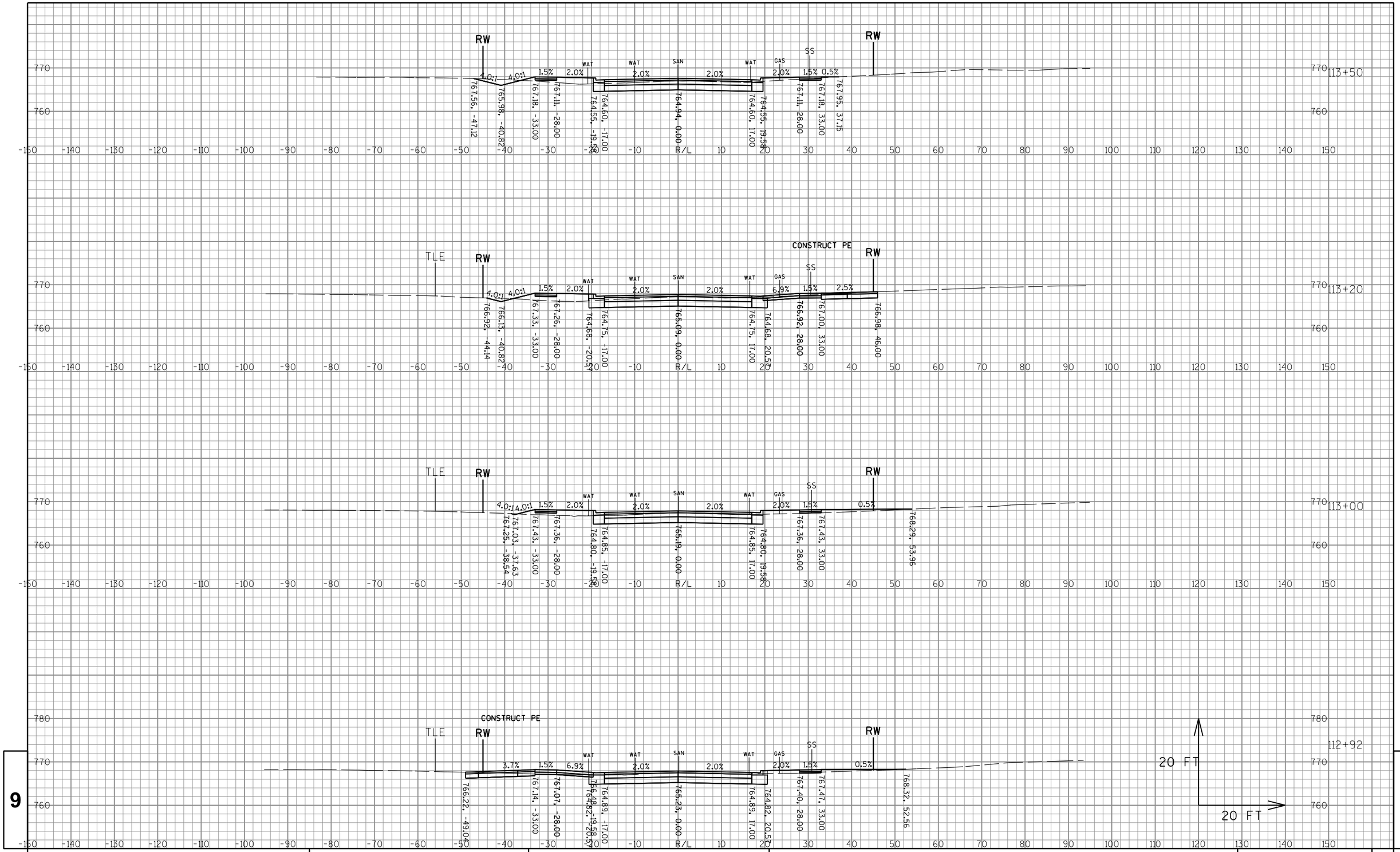
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 326	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\2.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



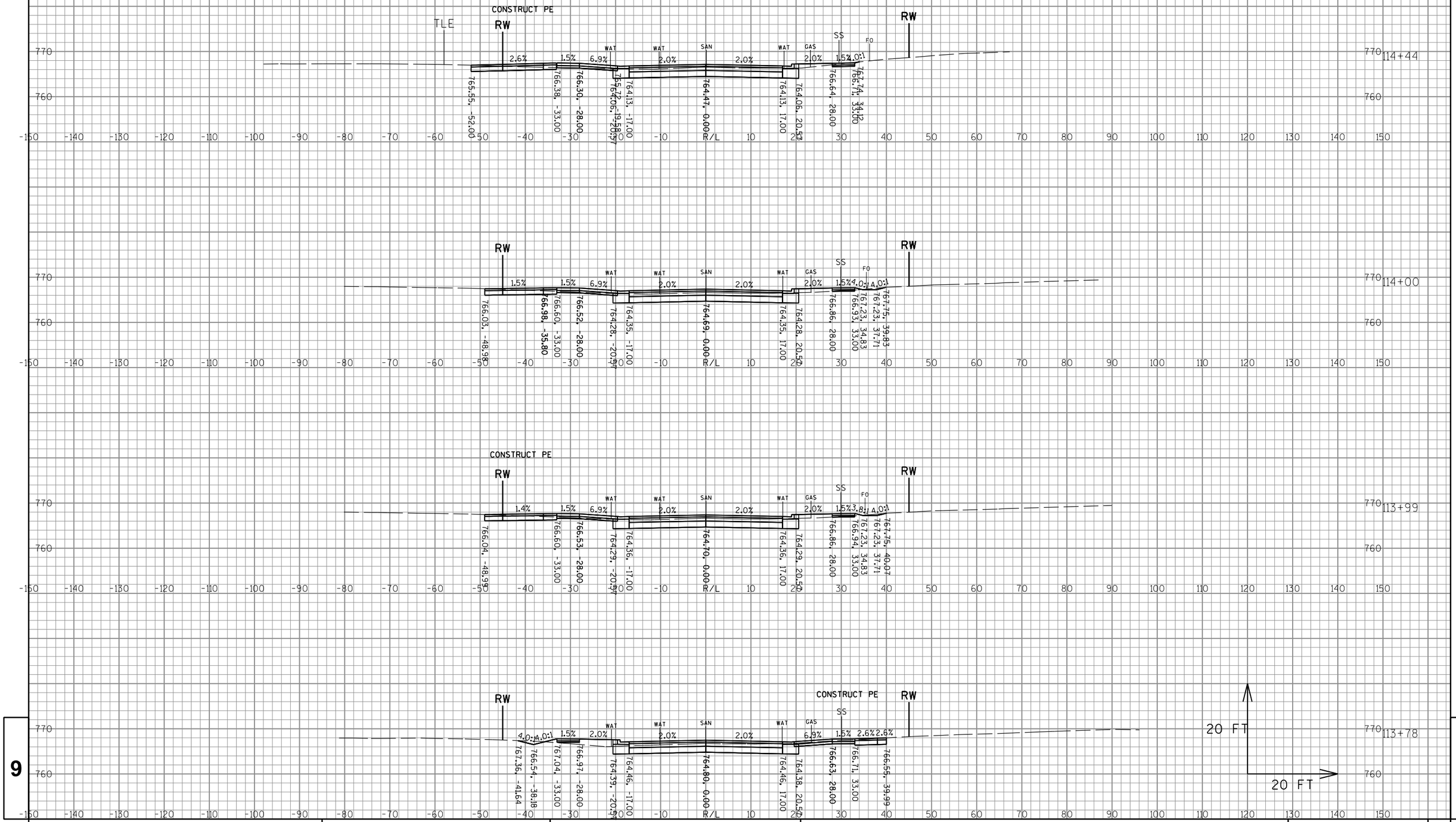
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9

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 327	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\2.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



9

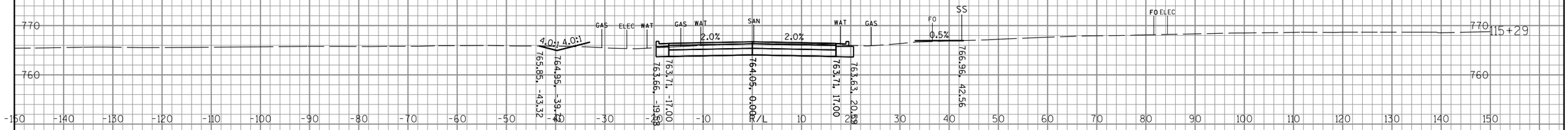
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 328	E

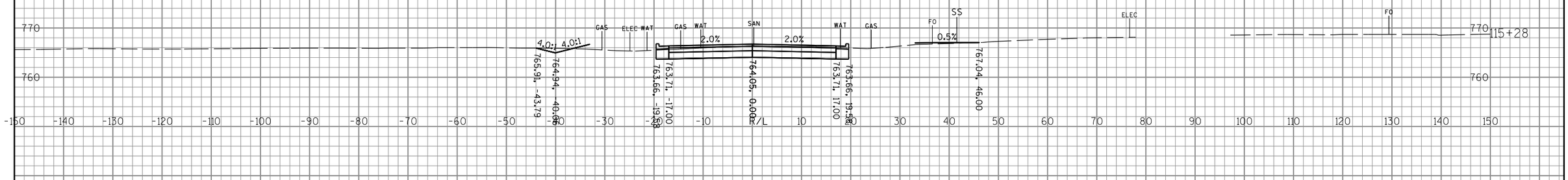
FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\2.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

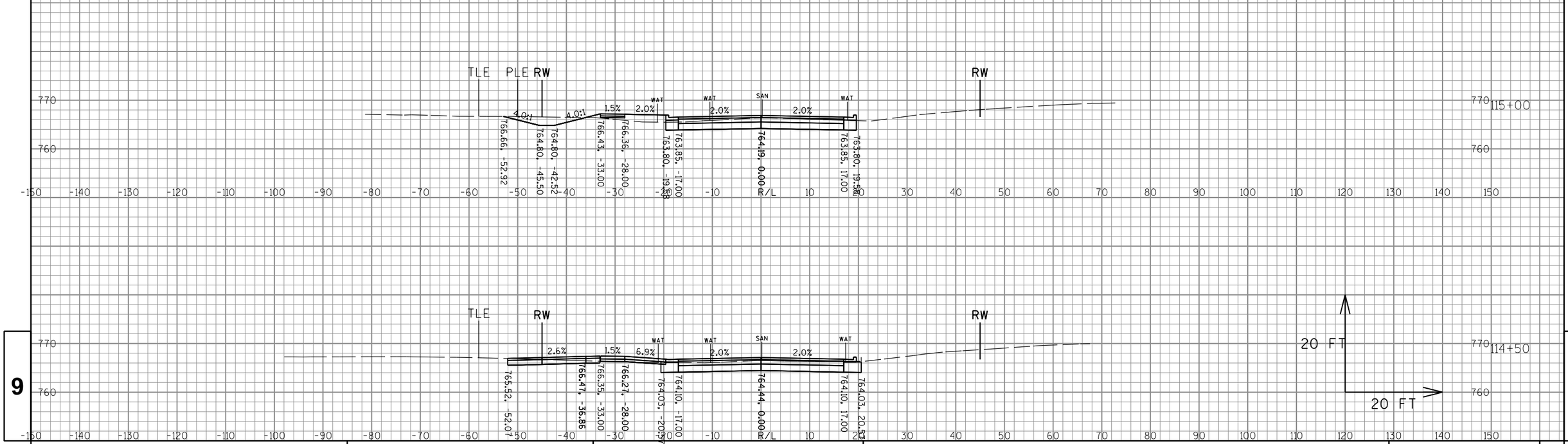
WISDOT/CADDS SHEET 49

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK

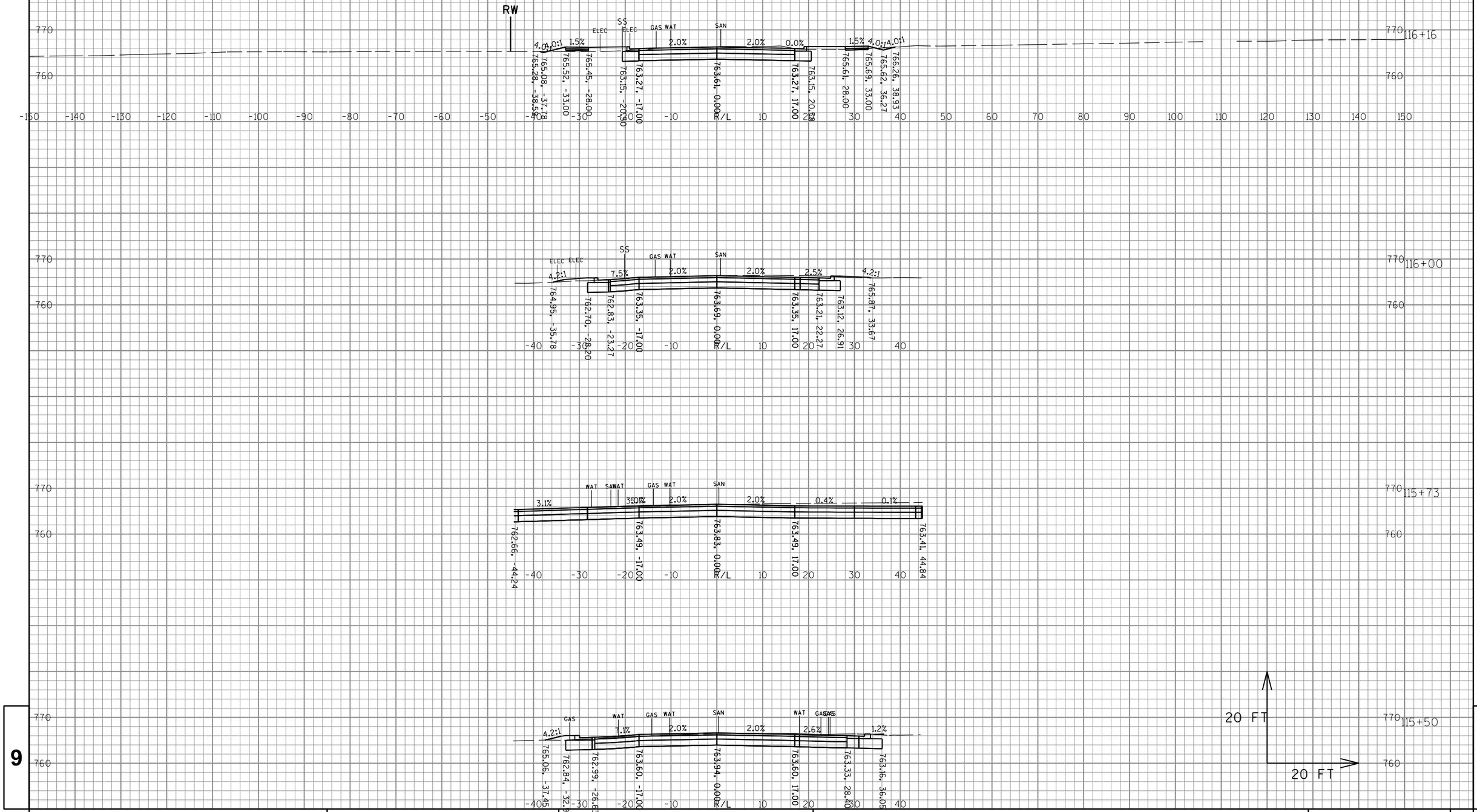




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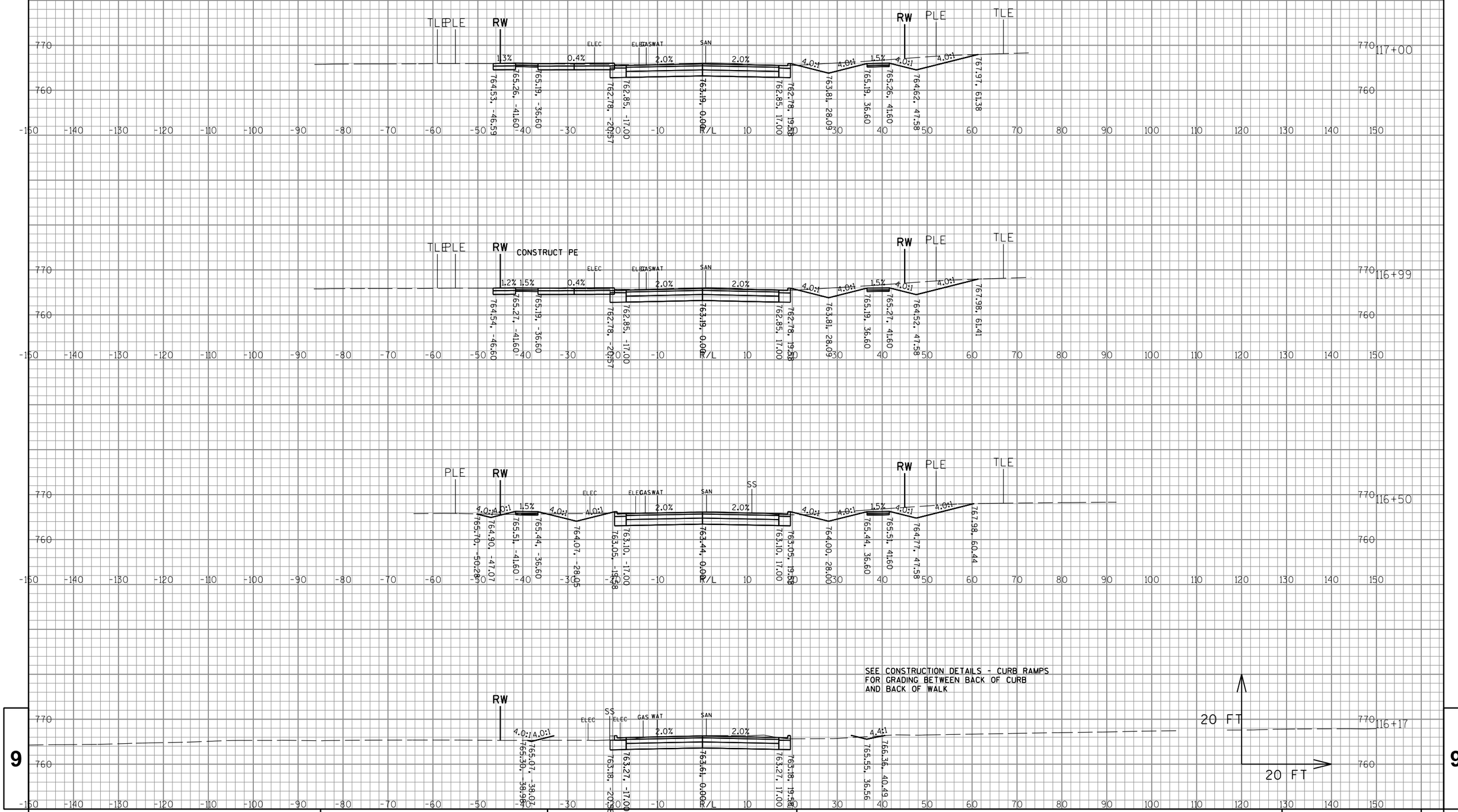
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 329	E



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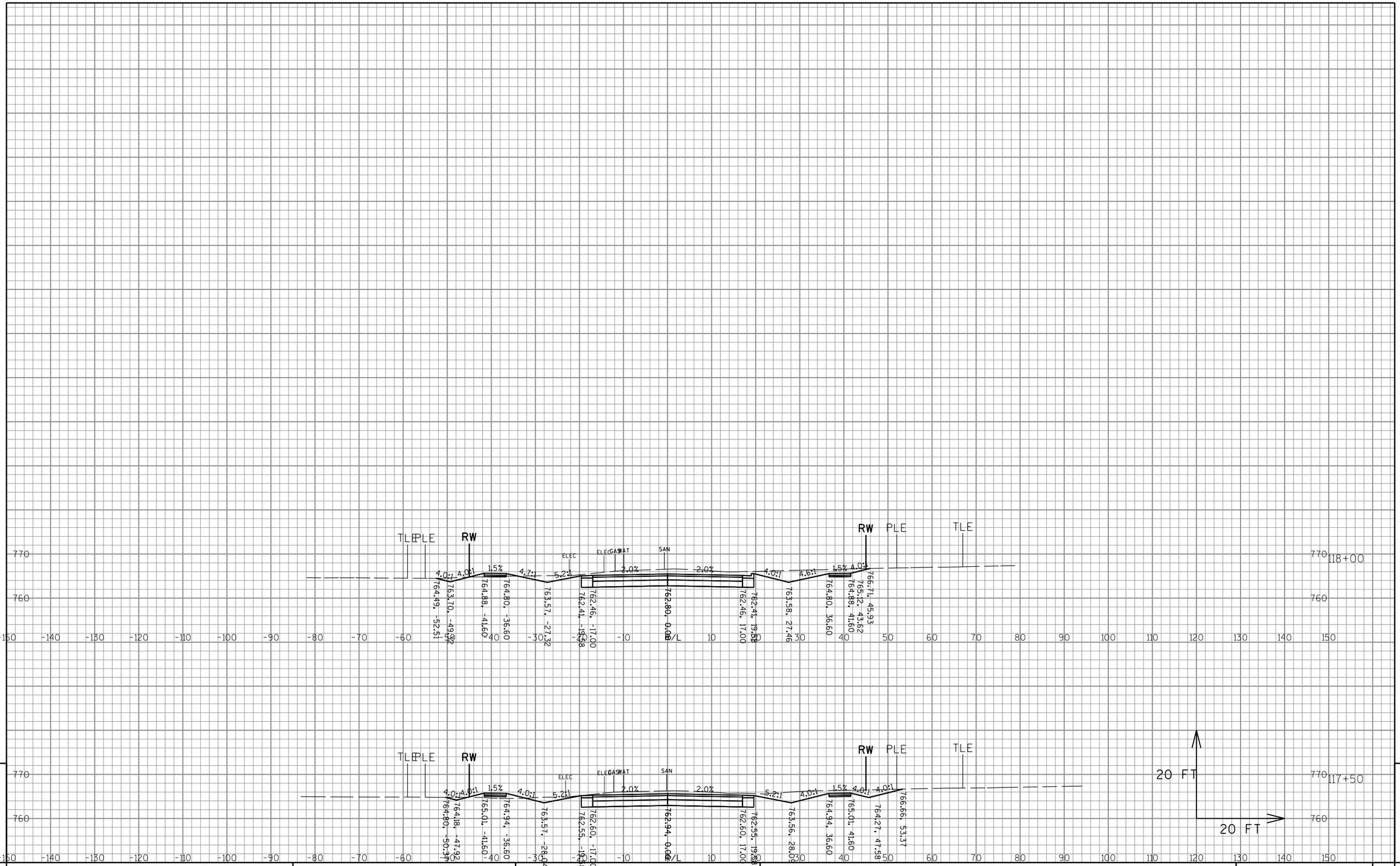
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 330	E



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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 331	E



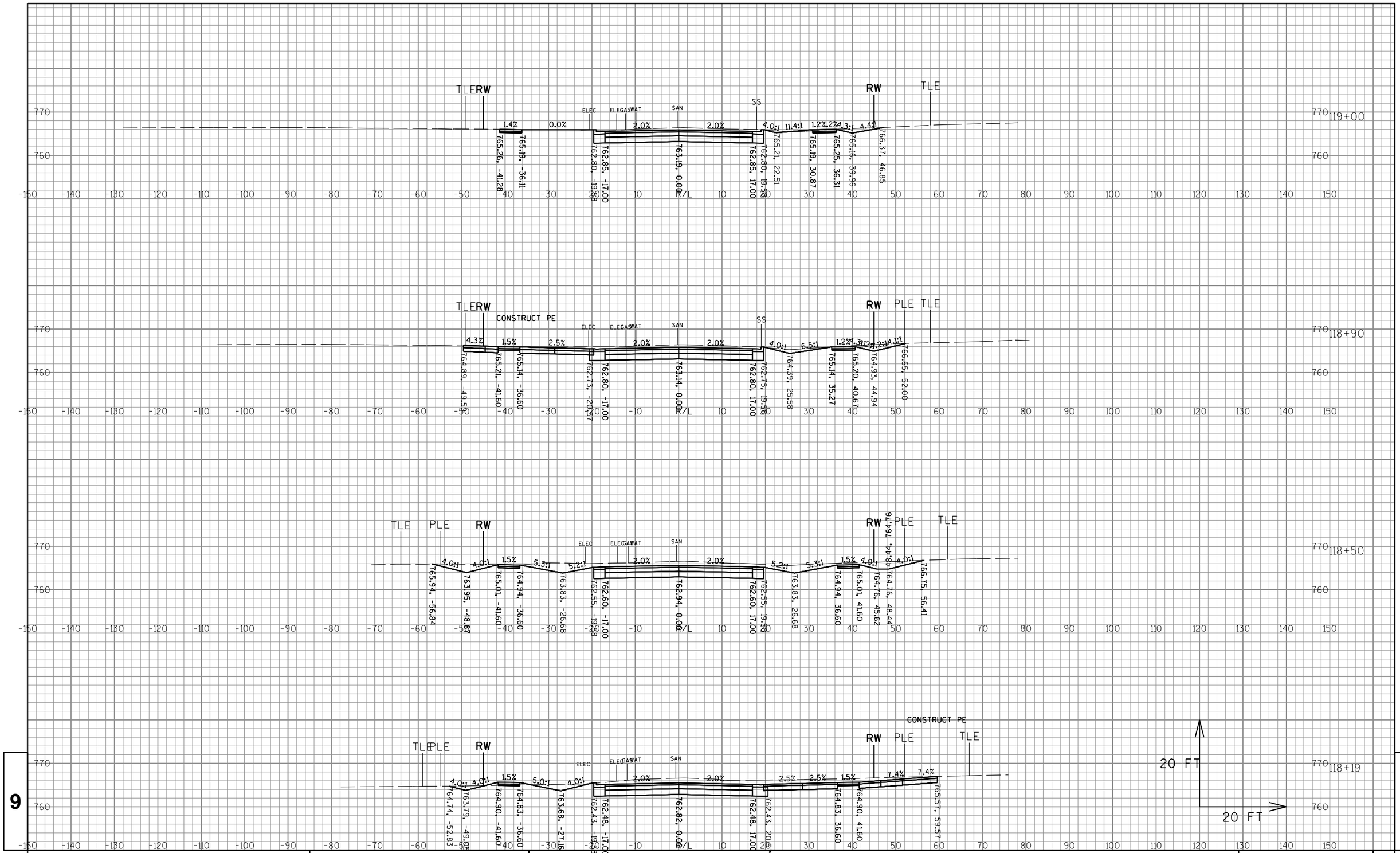
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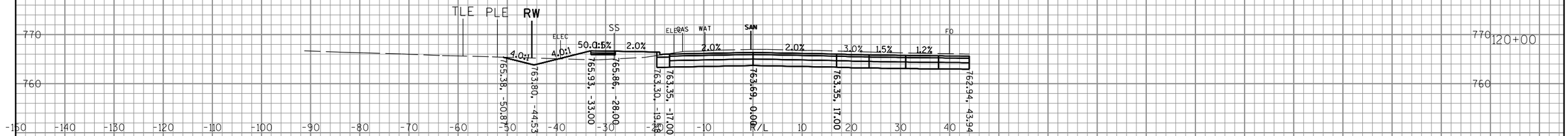
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 332	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\2.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

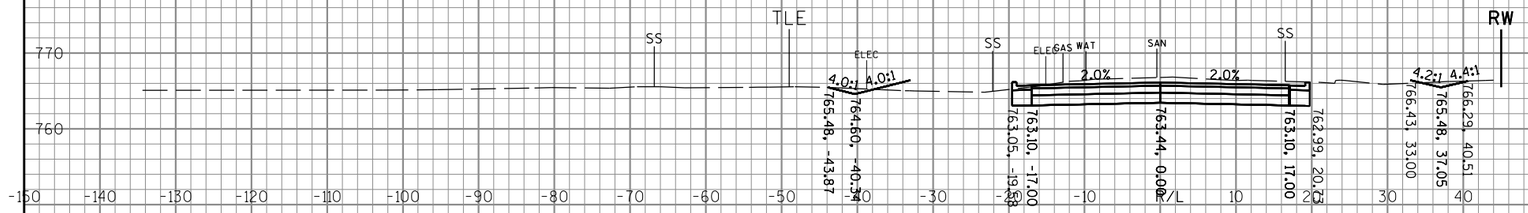
WISDOT/CADDS SHEET 49



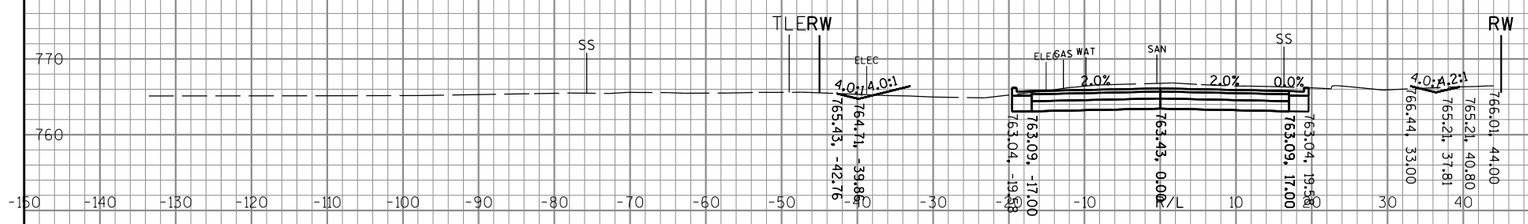
PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 333	E

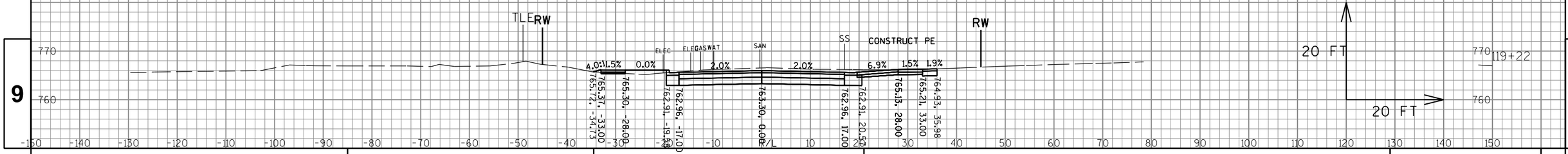


SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



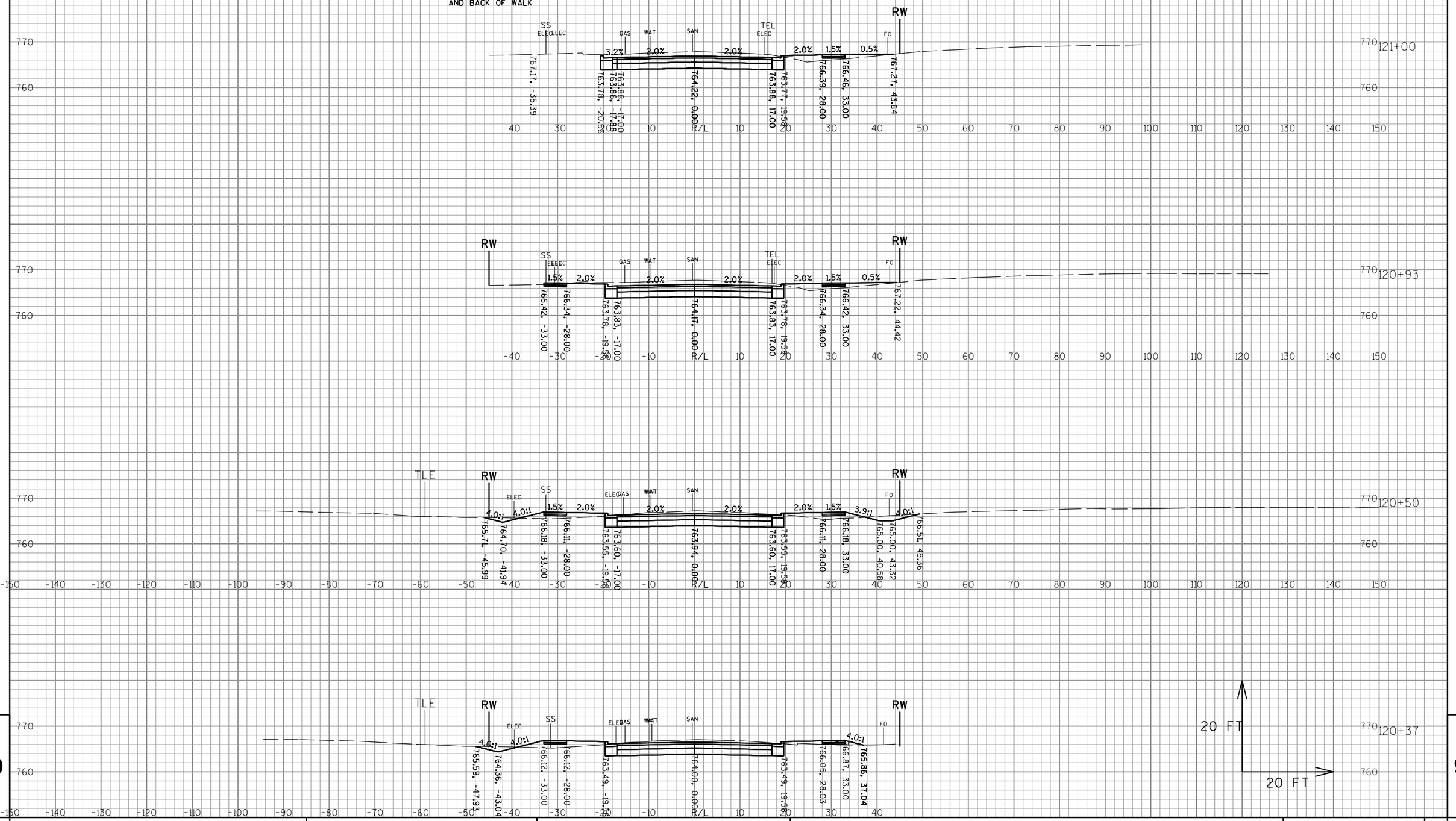


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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 334	E

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



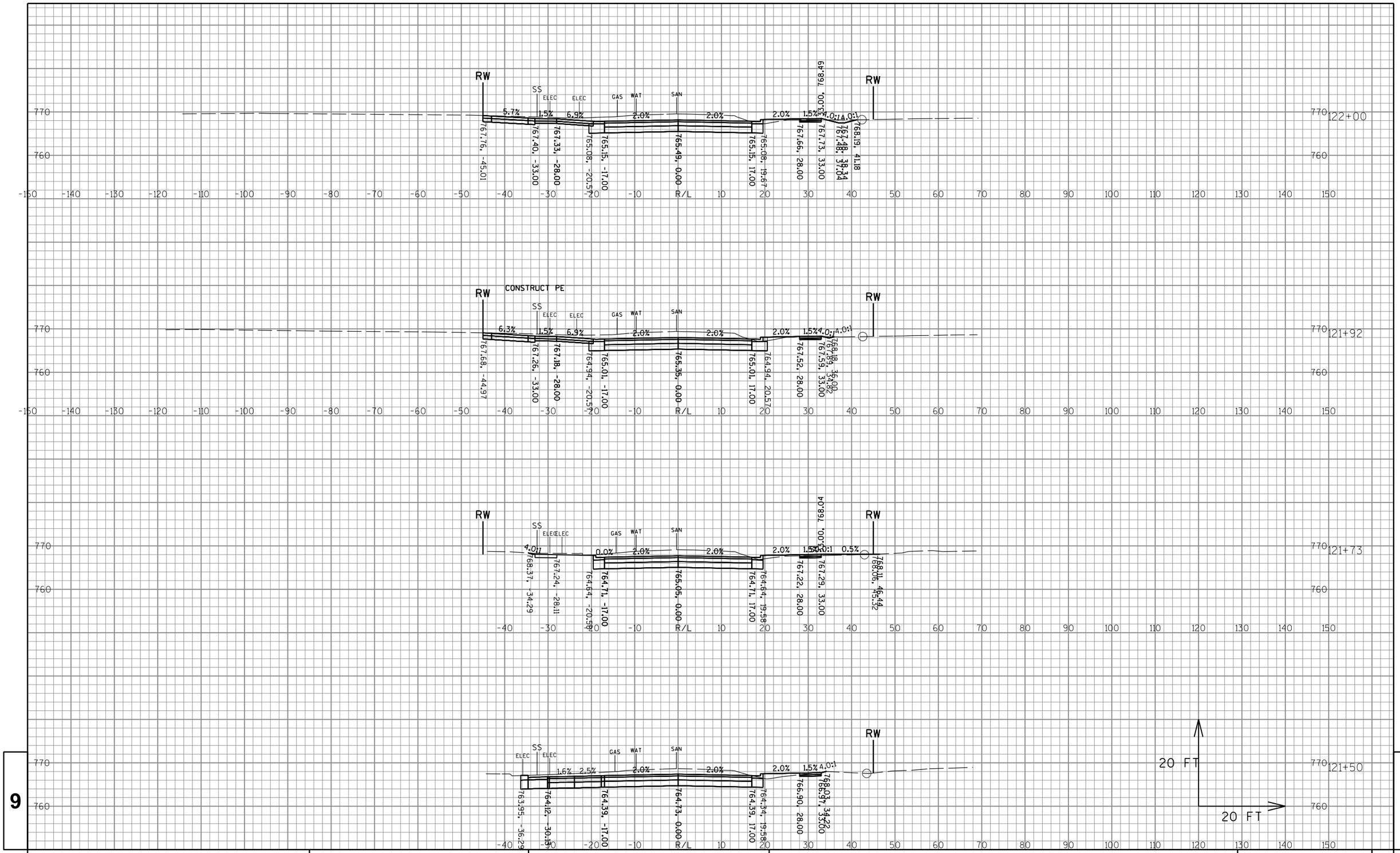
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 335	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\3.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



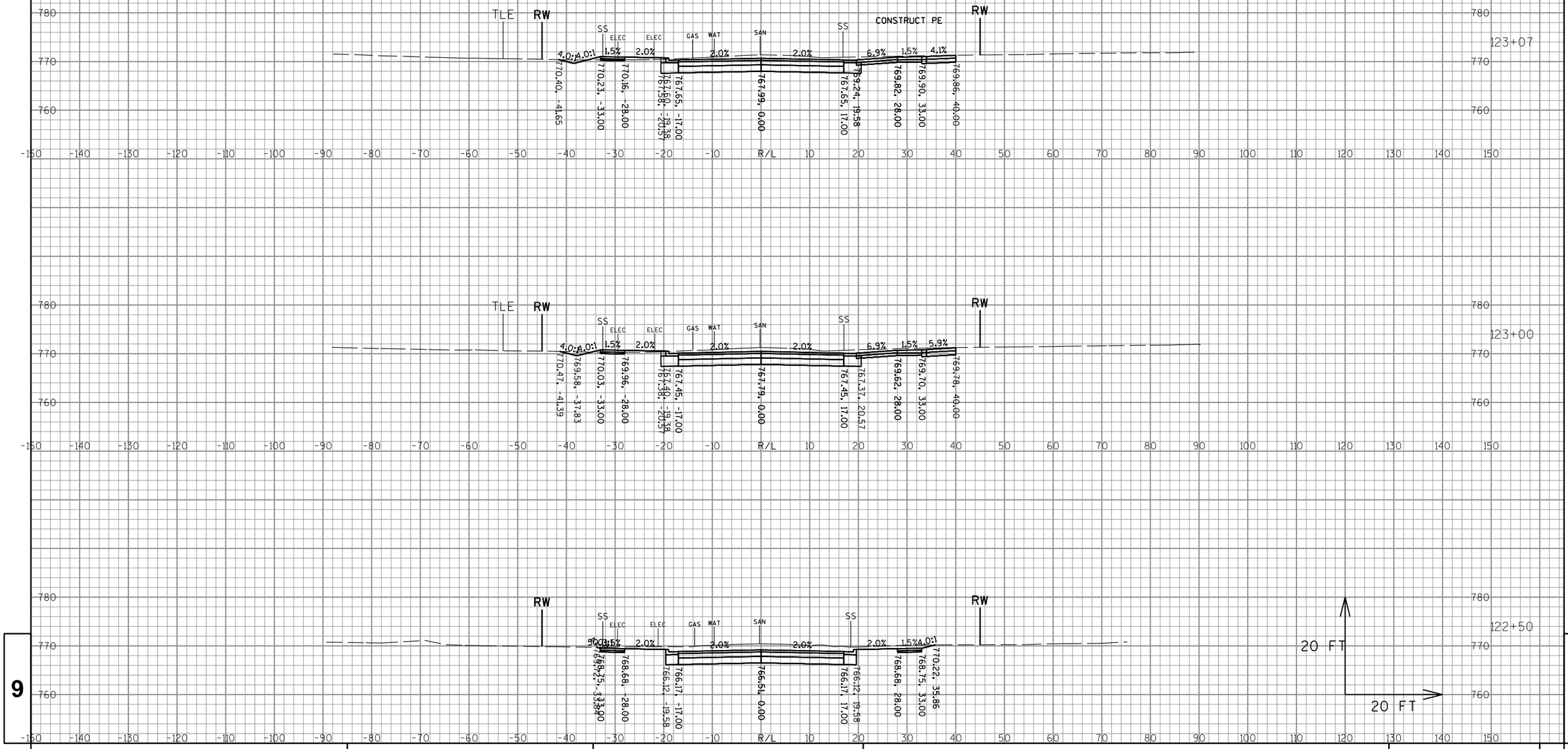
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 336	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\3.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



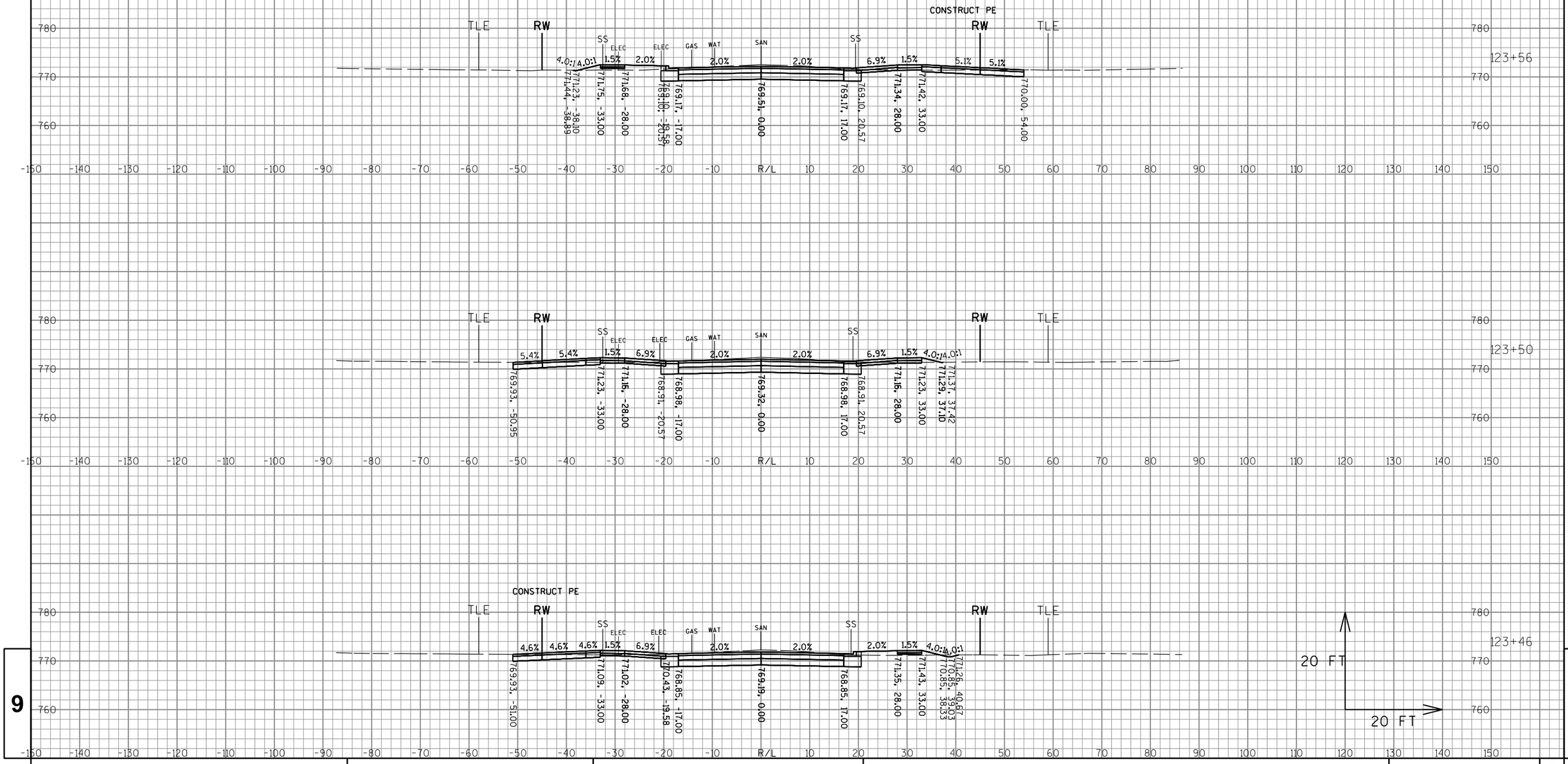
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 337	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\3.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



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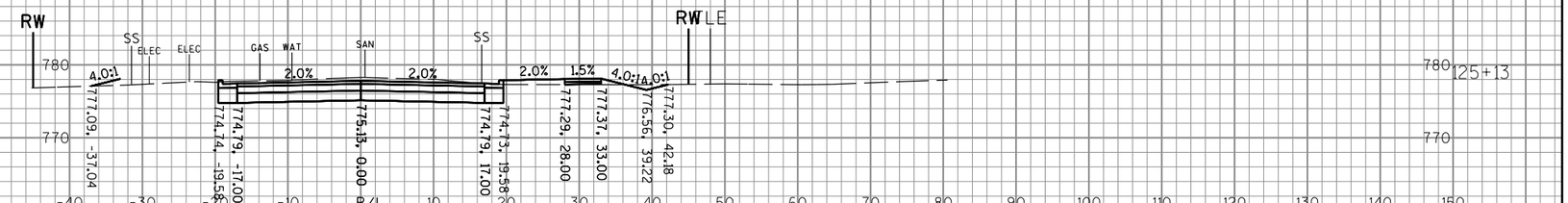
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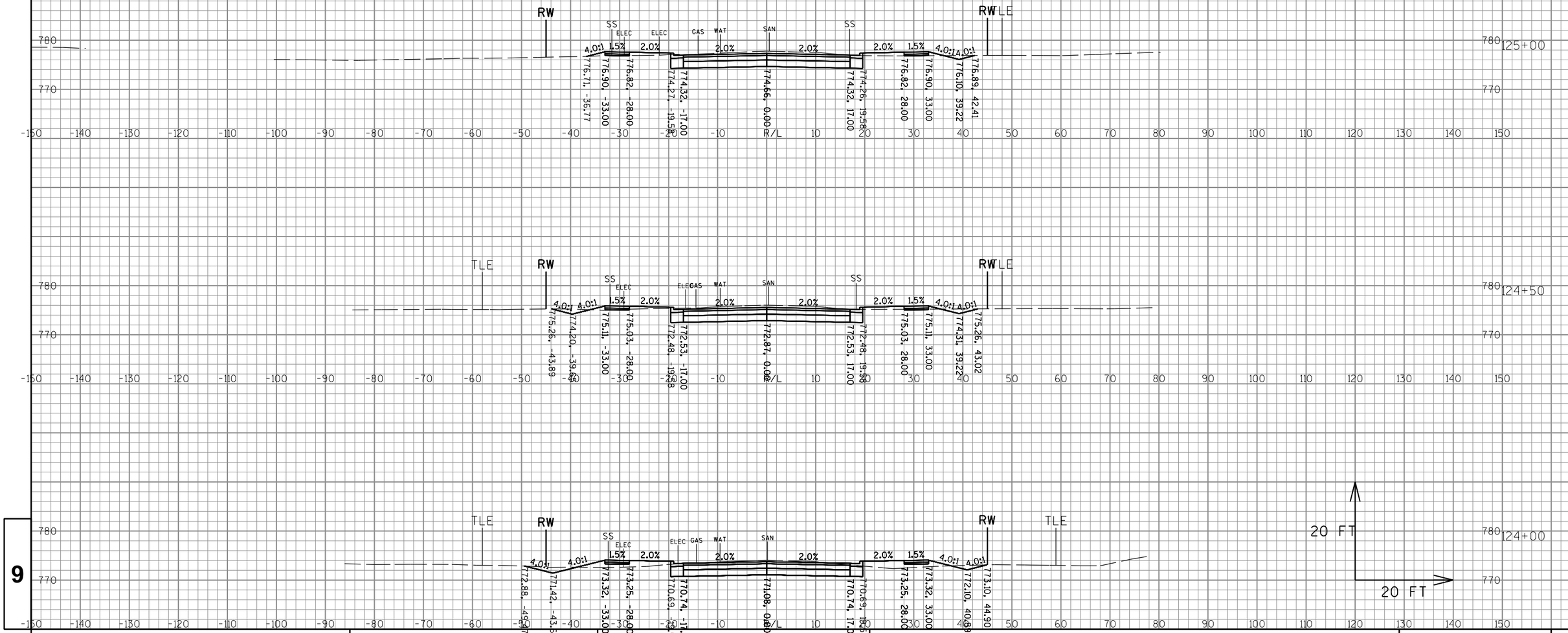
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 338	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\3.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK





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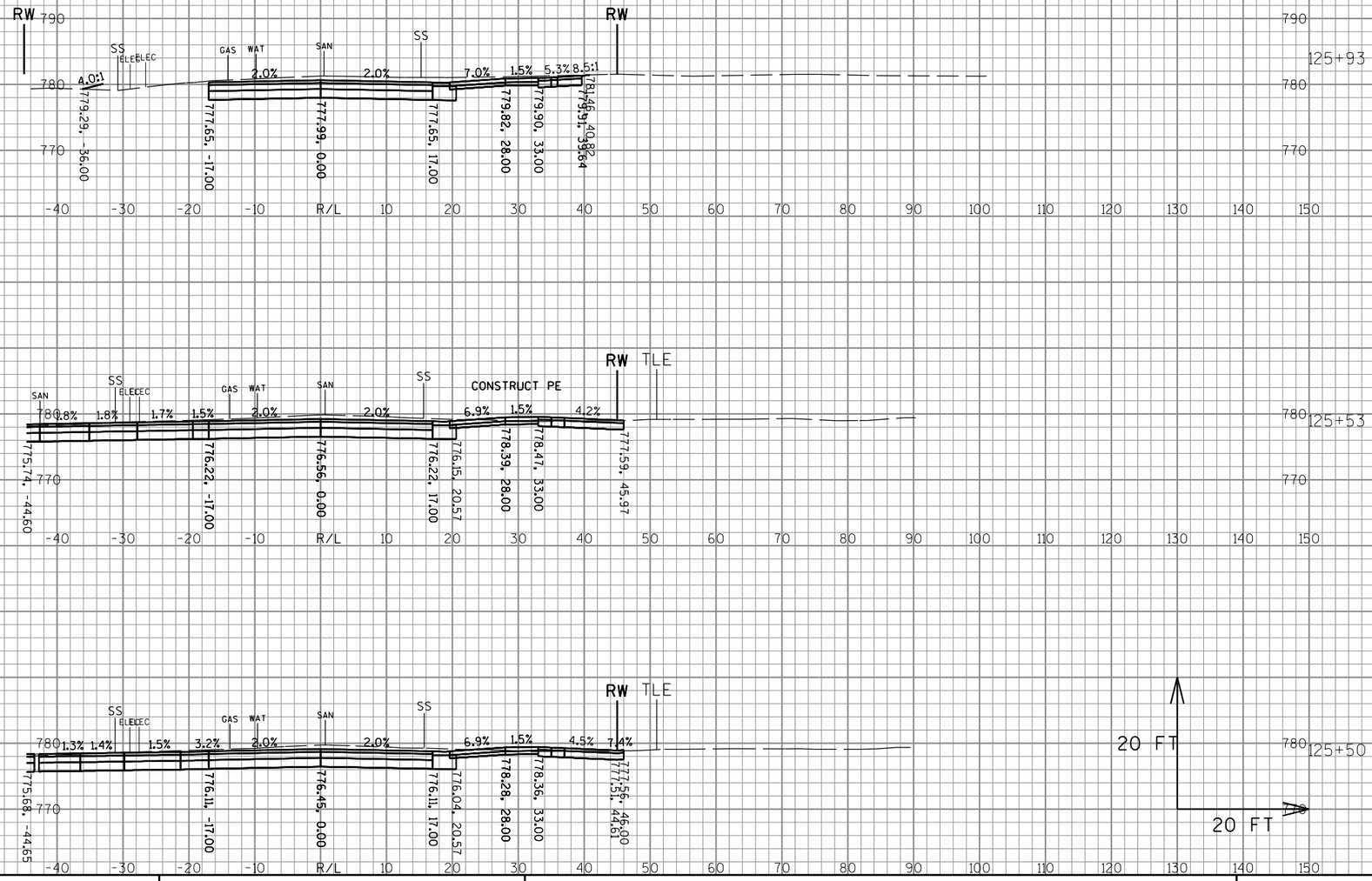
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 339	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\3.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



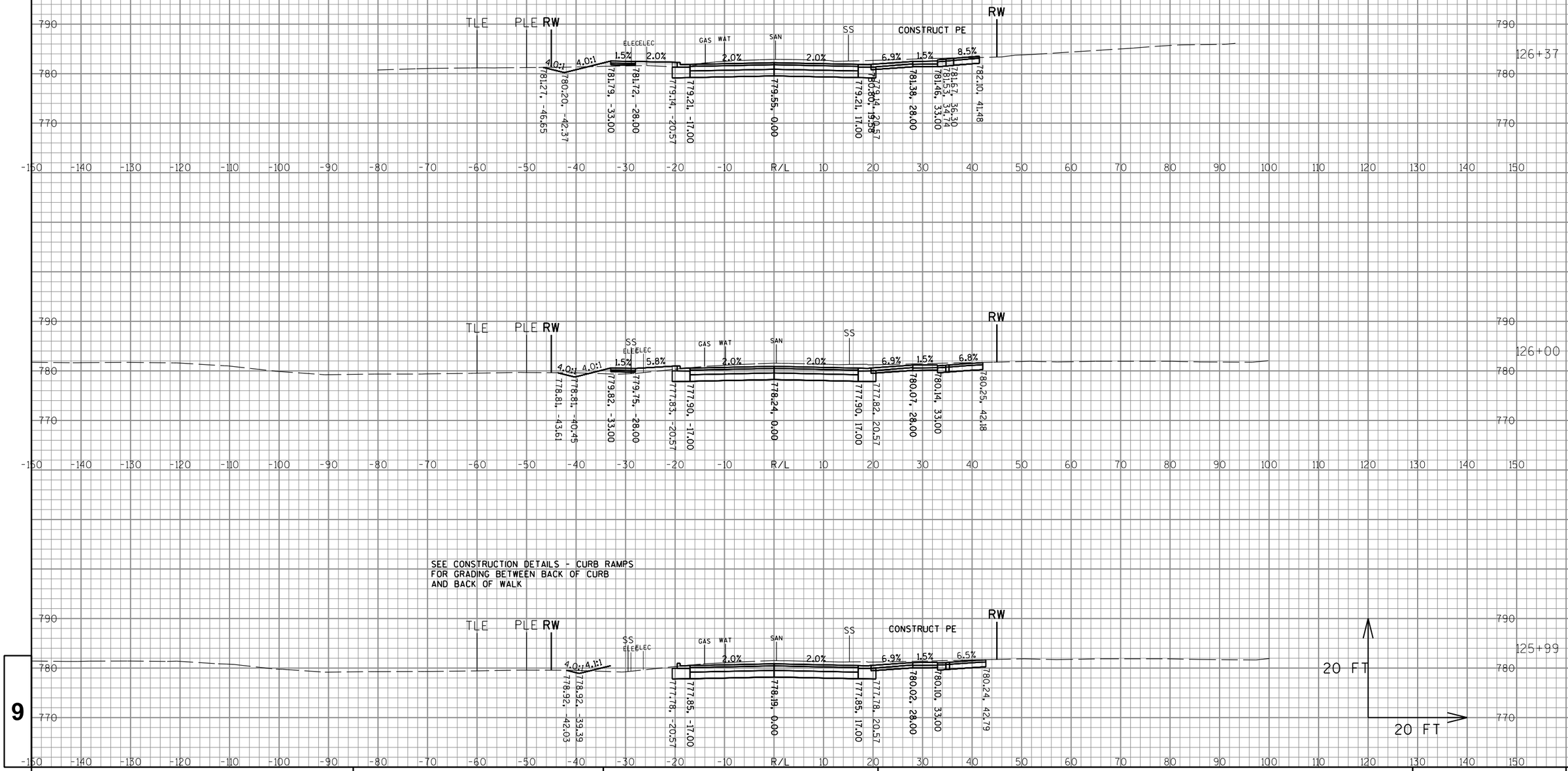
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 340	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\3.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



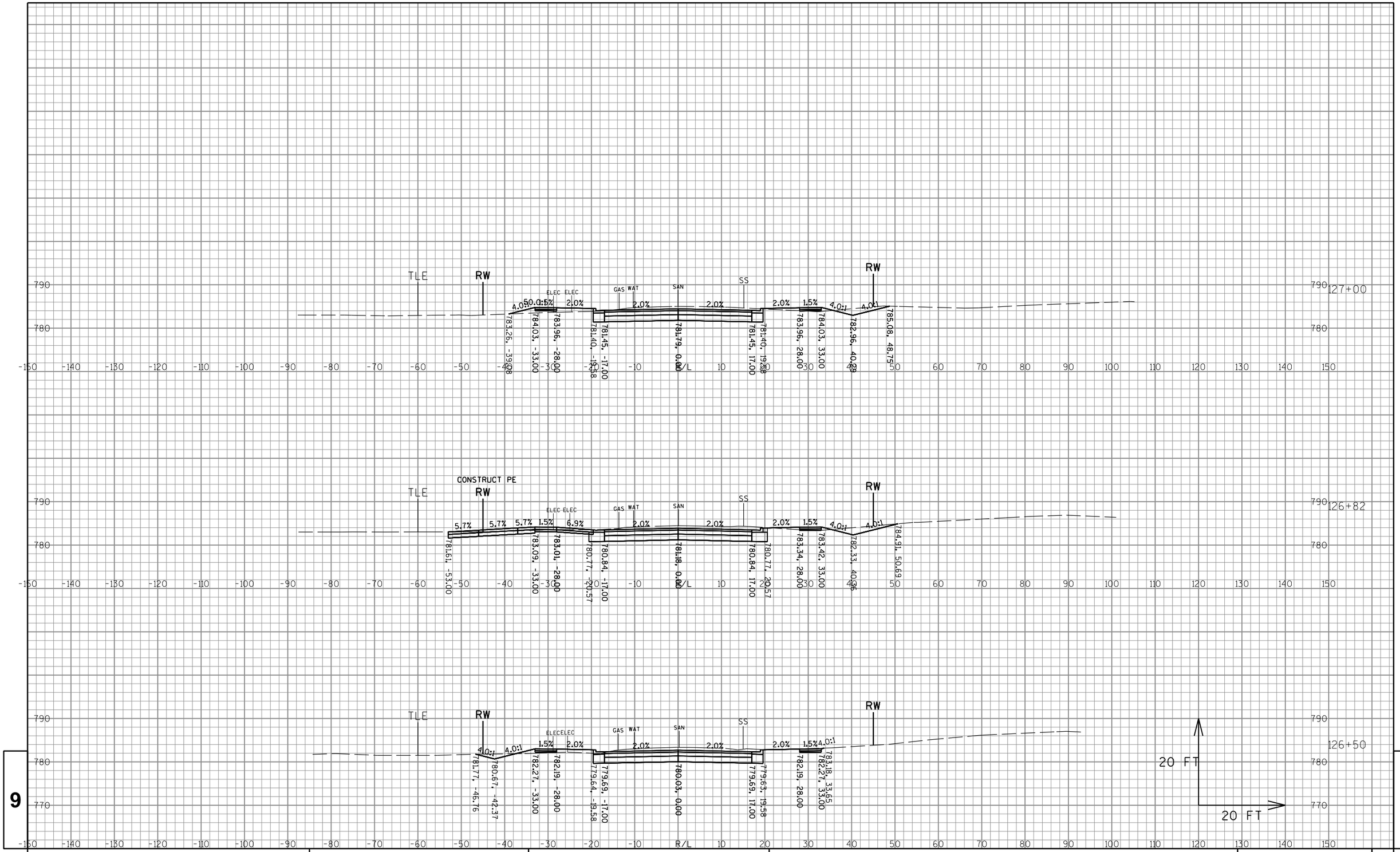
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 341	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\3.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



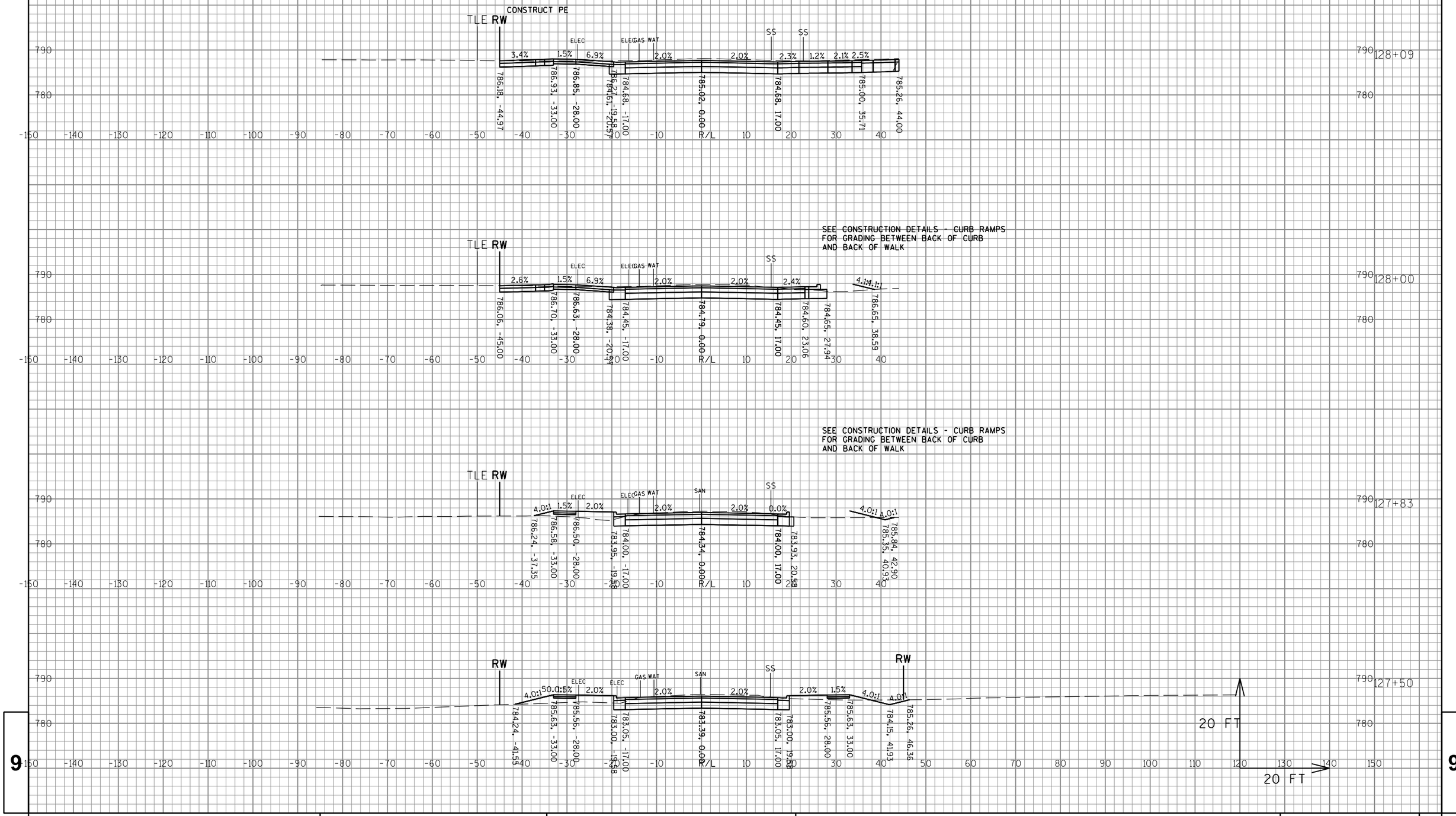
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 342	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\3.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

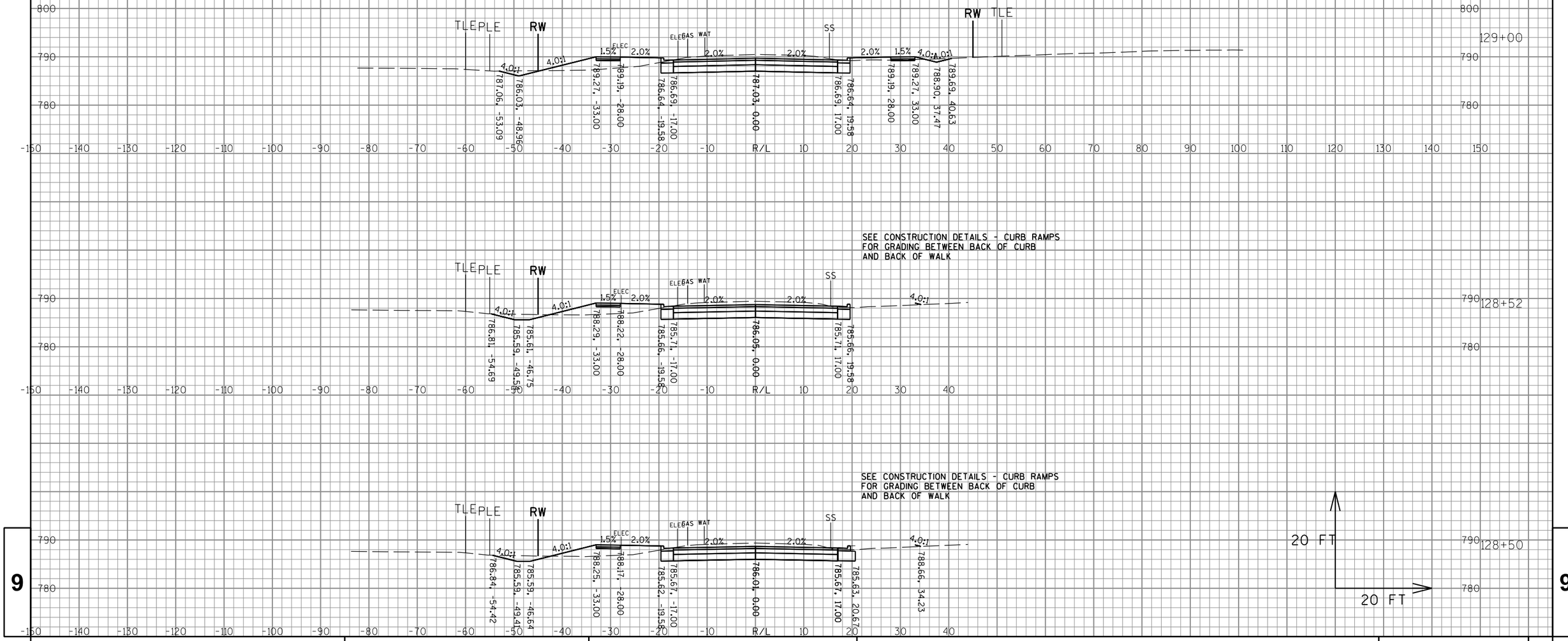


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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 343	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\4.dgn | PLOT DATE : 10/4/2016 | PLOT BY : wwolak | PLOT NAME : | PLOT SCALE : 1:60.96

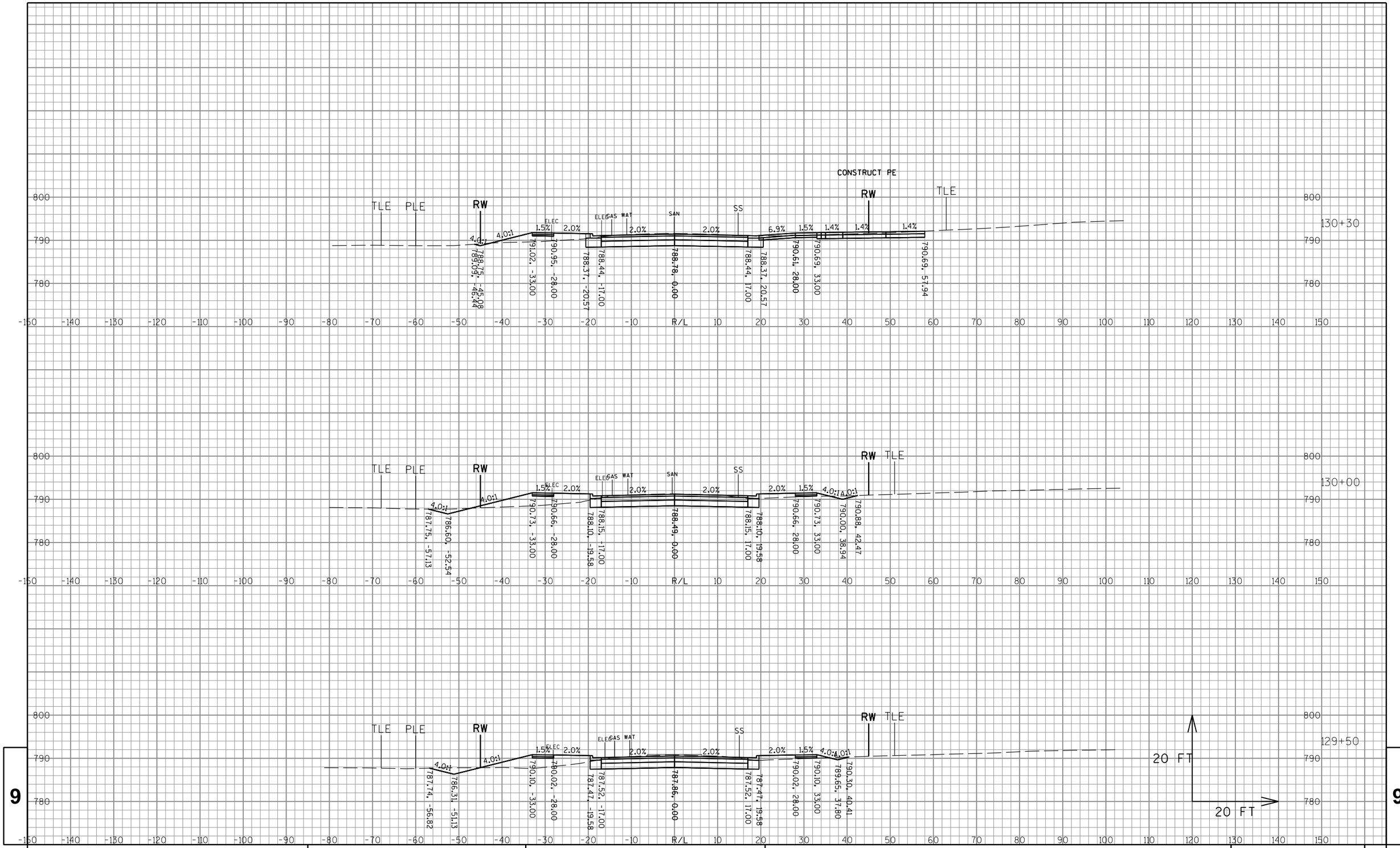
WISDOT/CADDS SHEET 49



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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 344	E



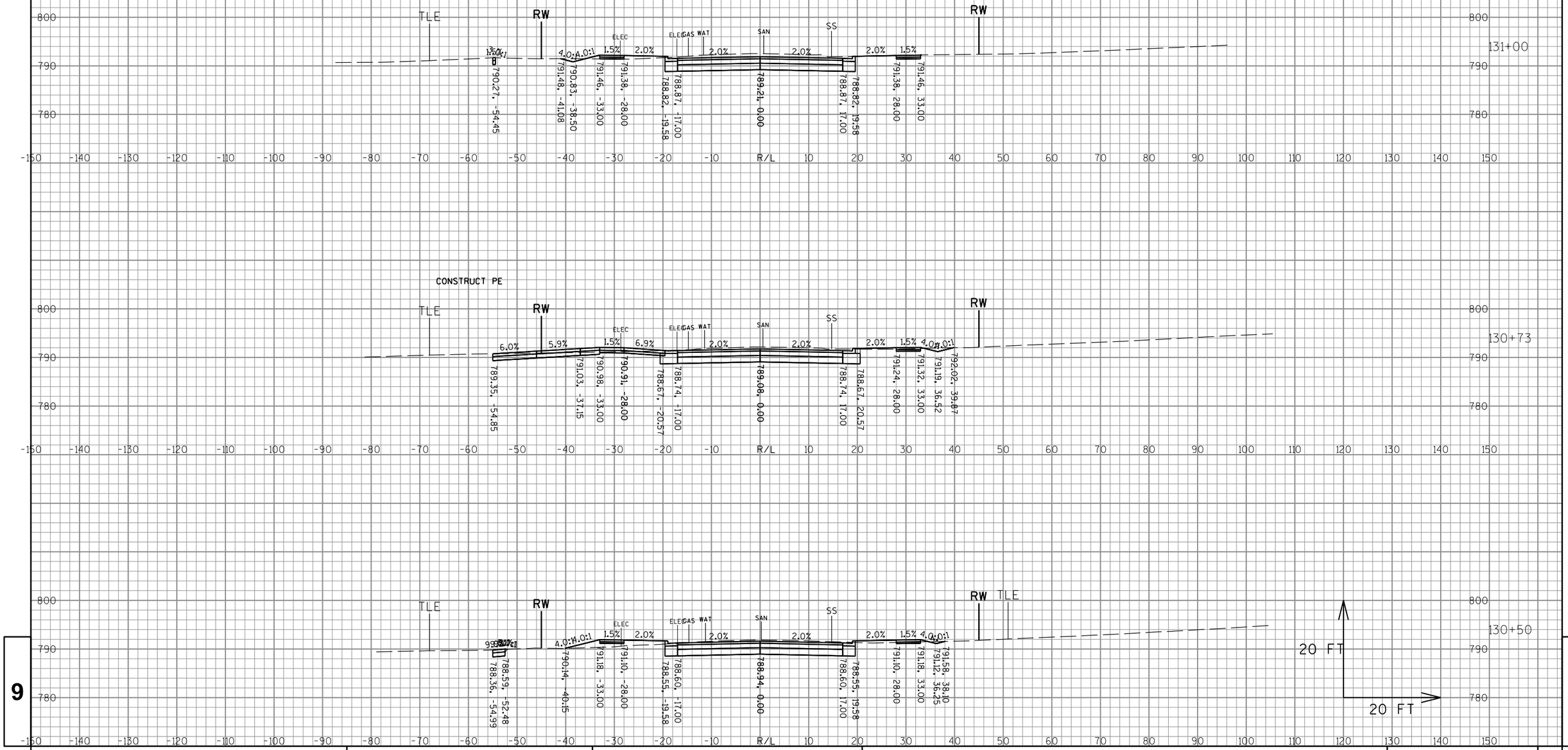
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 345	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\4.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



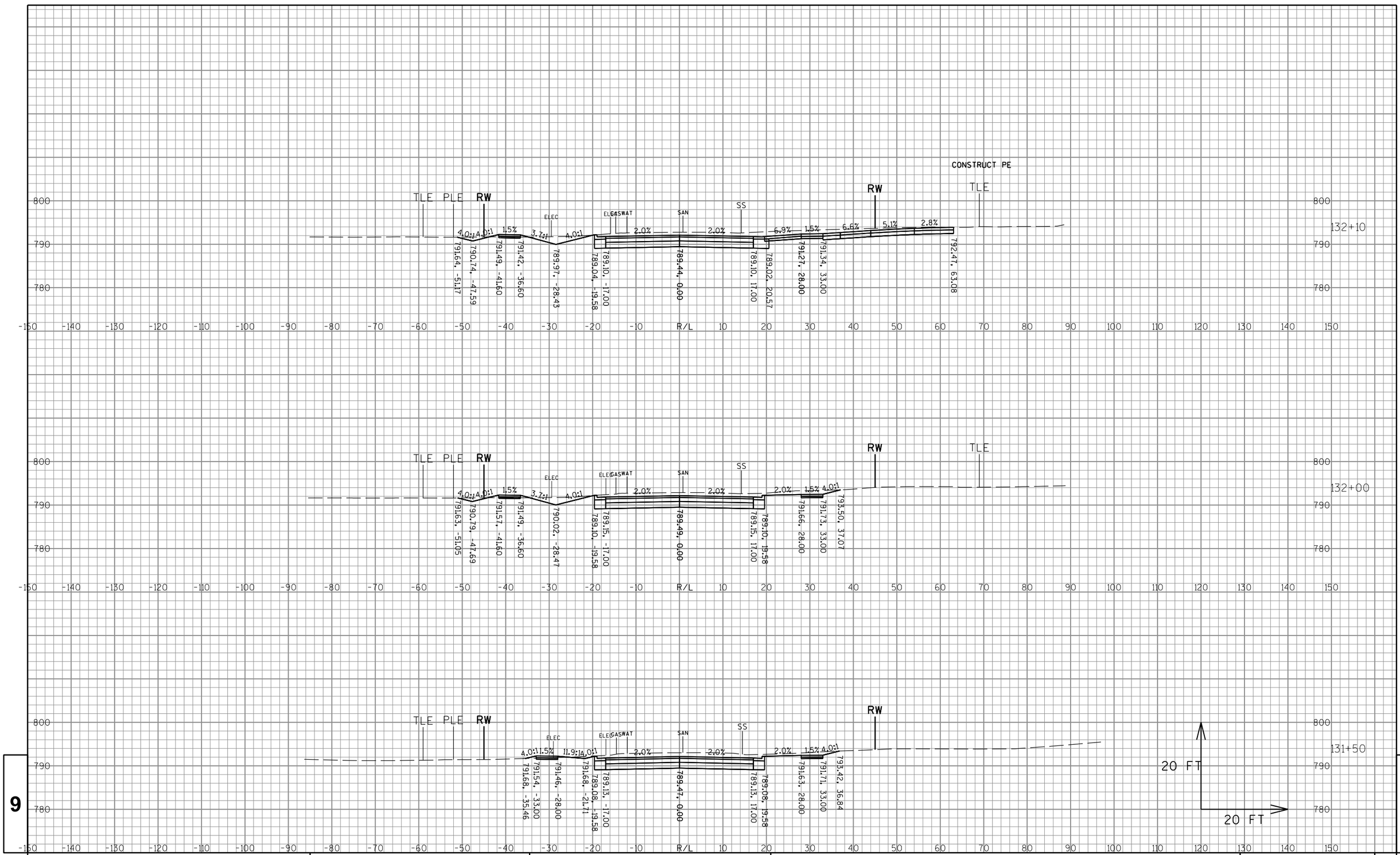
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 346	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\4.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



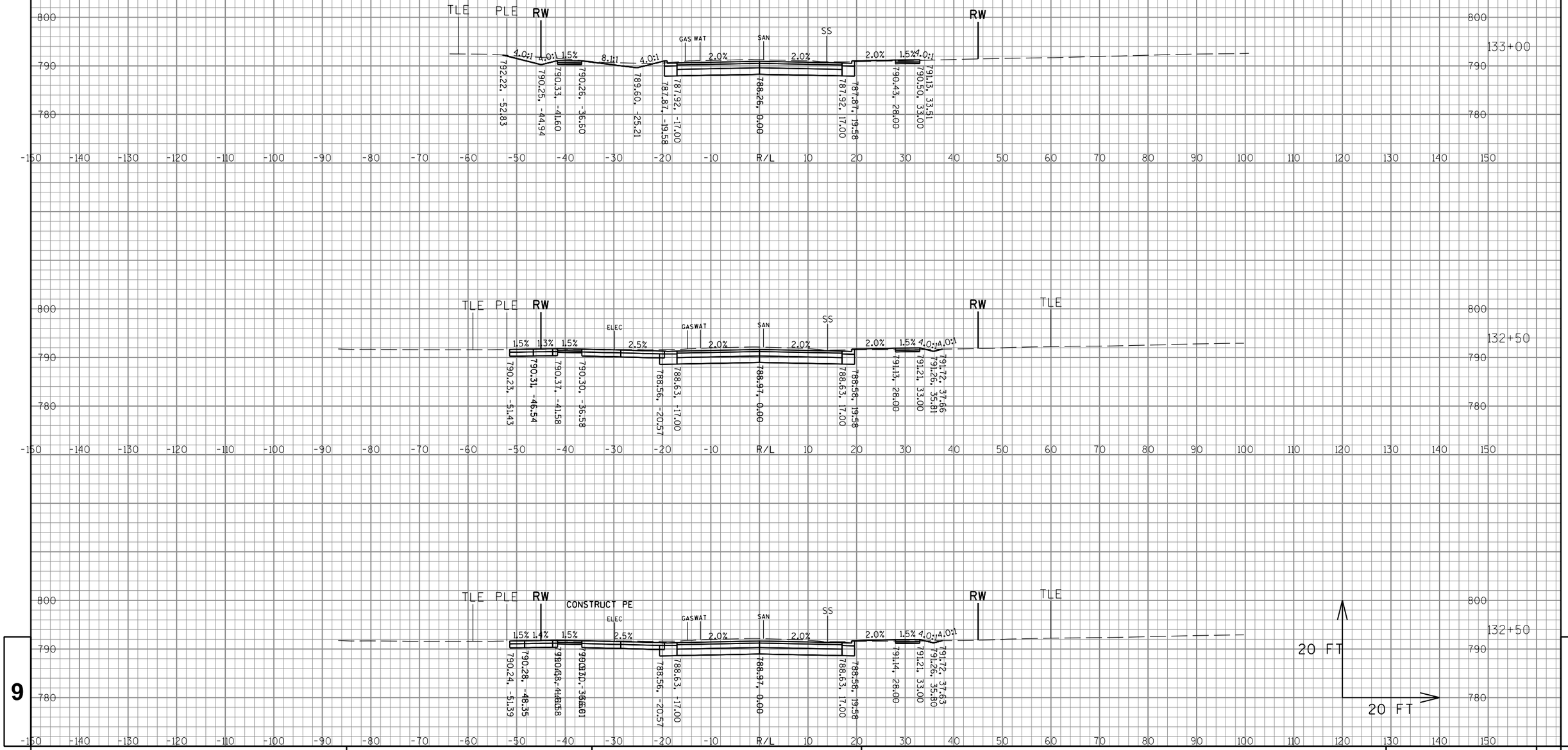
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 347	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\4.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

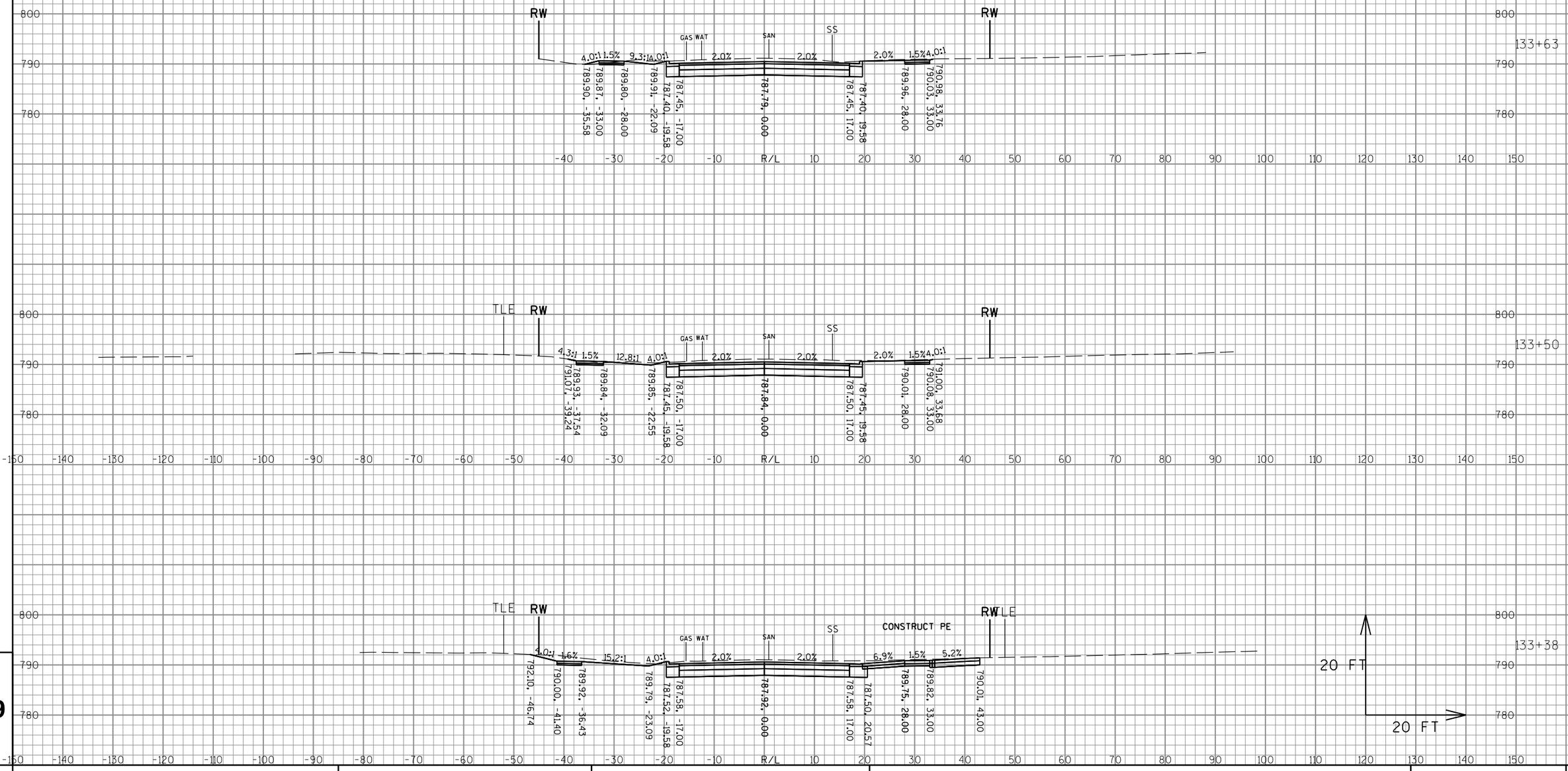
WISDOT/CADDS SHEET 49



PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 348	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\4.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



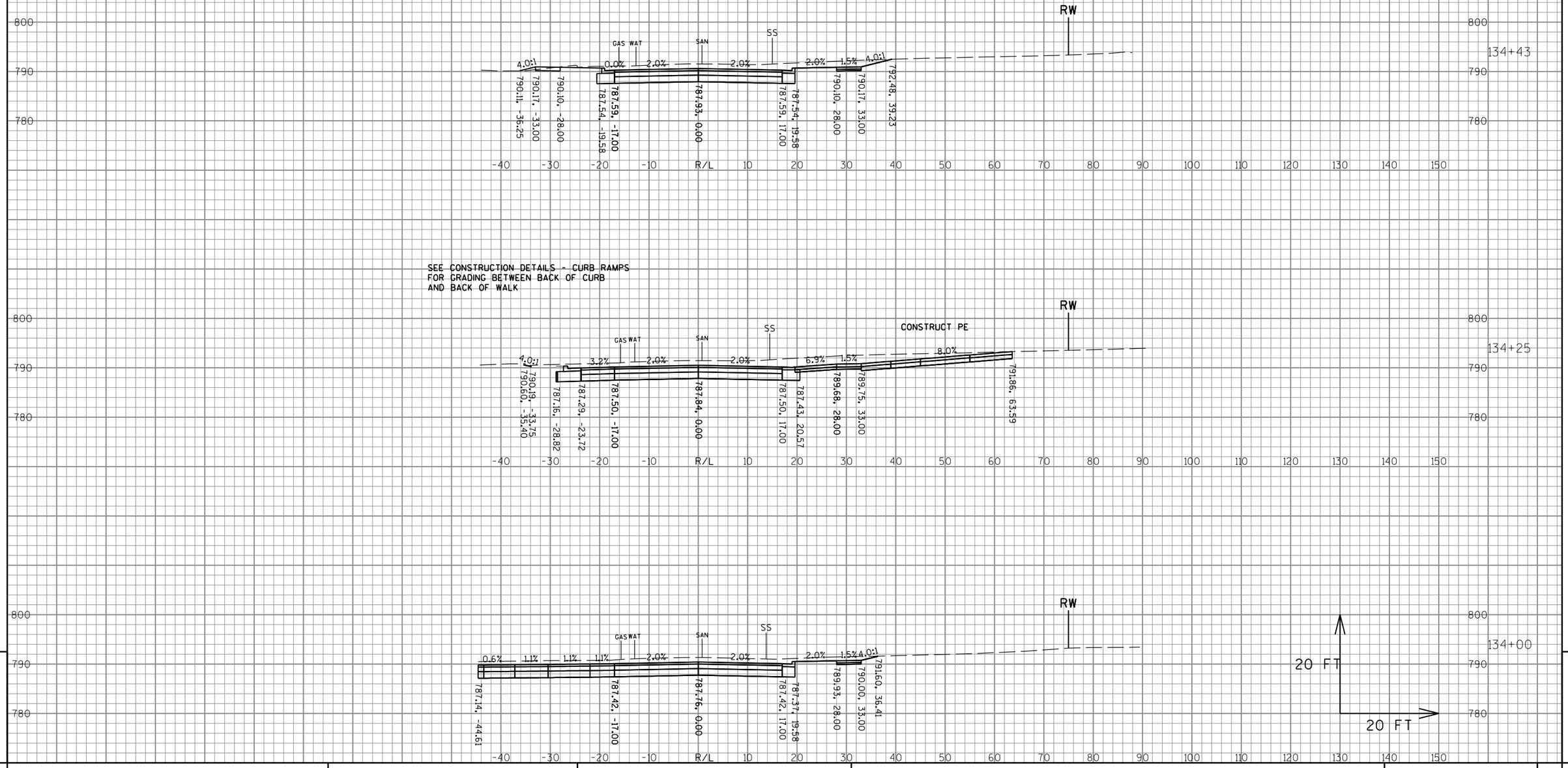
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 349	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\5.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

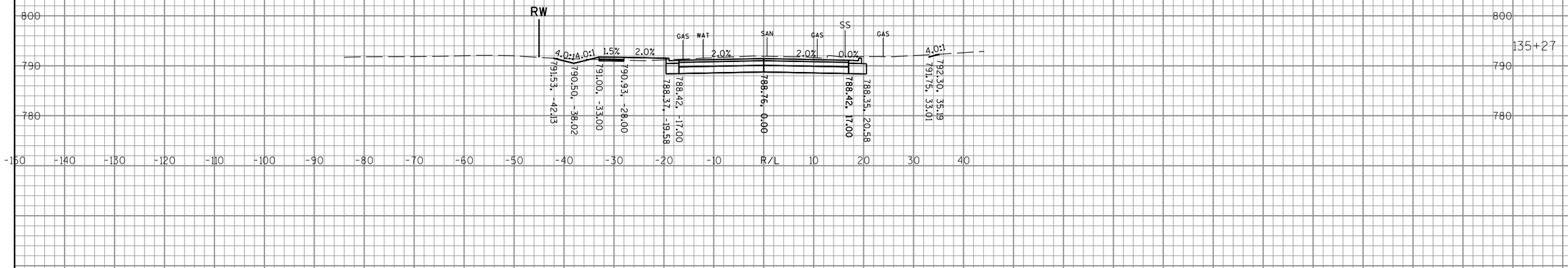
WISDOT/CADDS SHEET 49

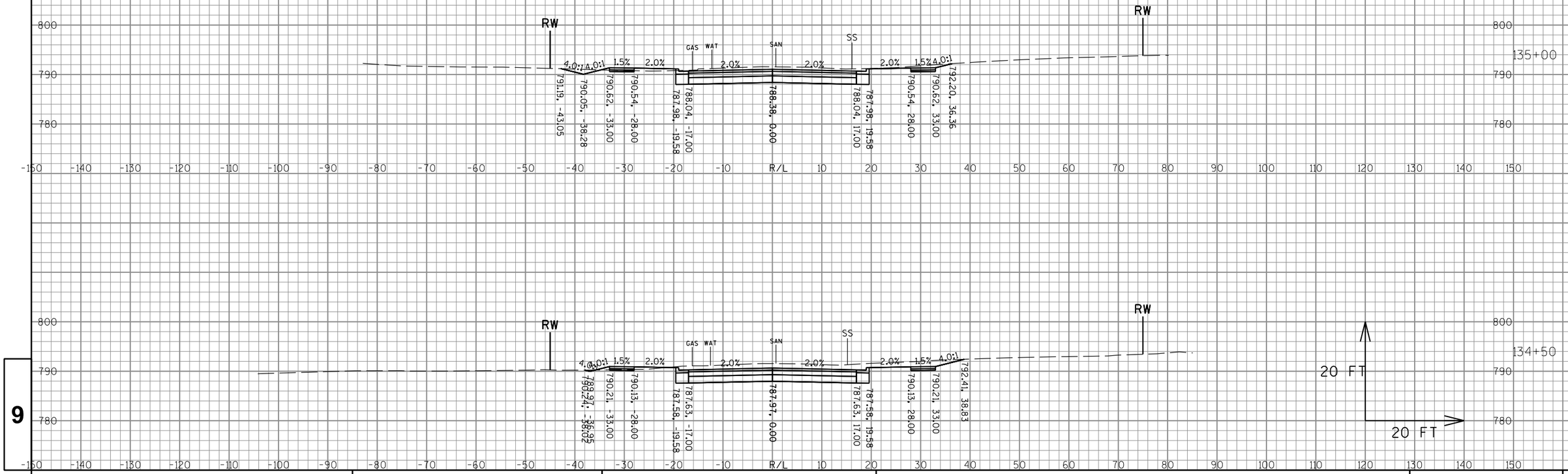


PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 350	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\5.dgn | PLOT DATE : 10/4/2016 | PLOT BY : wwolak | PLOT NAME : | PLOT SCALE : 1:60.96

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK





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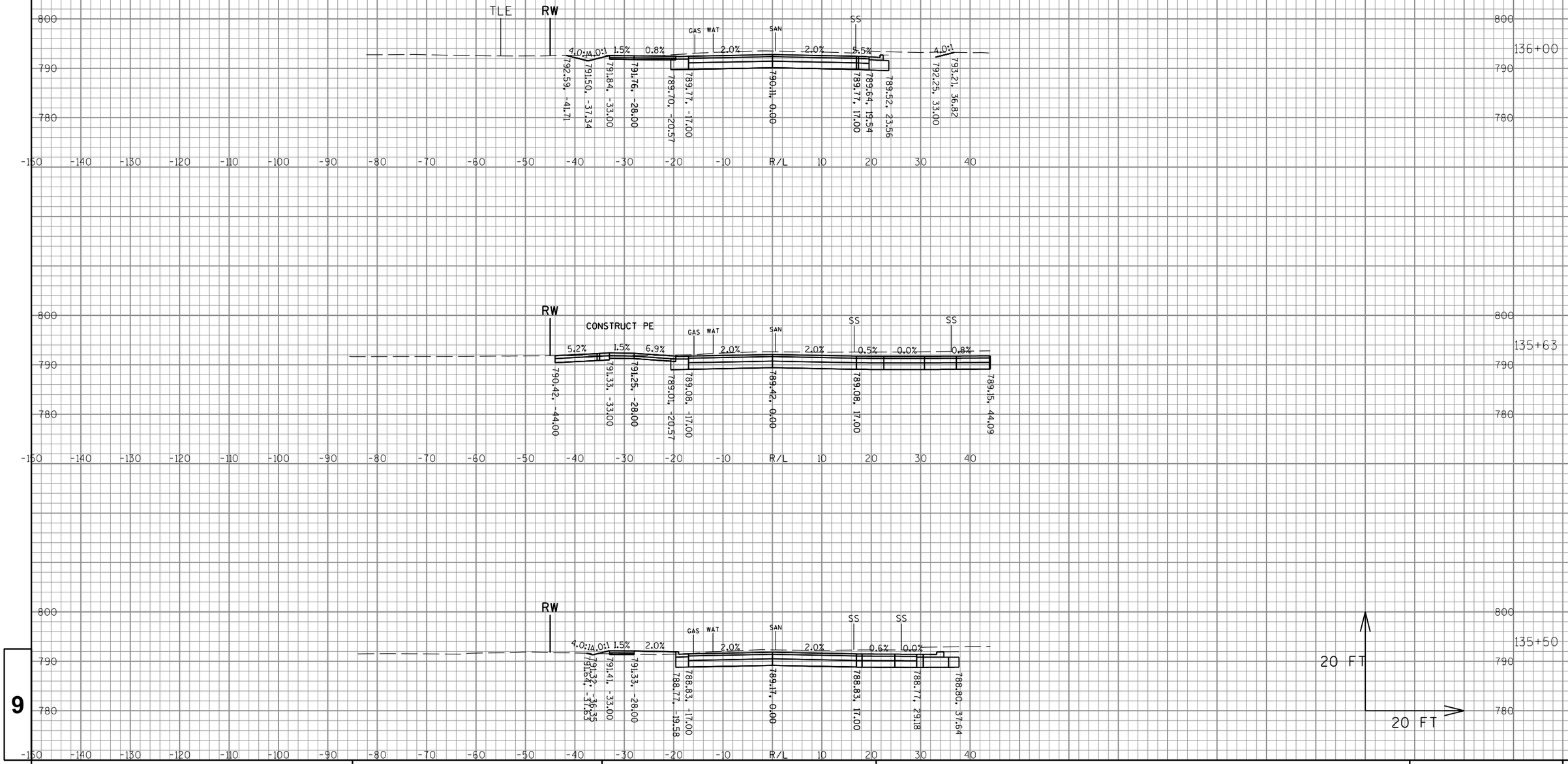
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 351	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\5.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



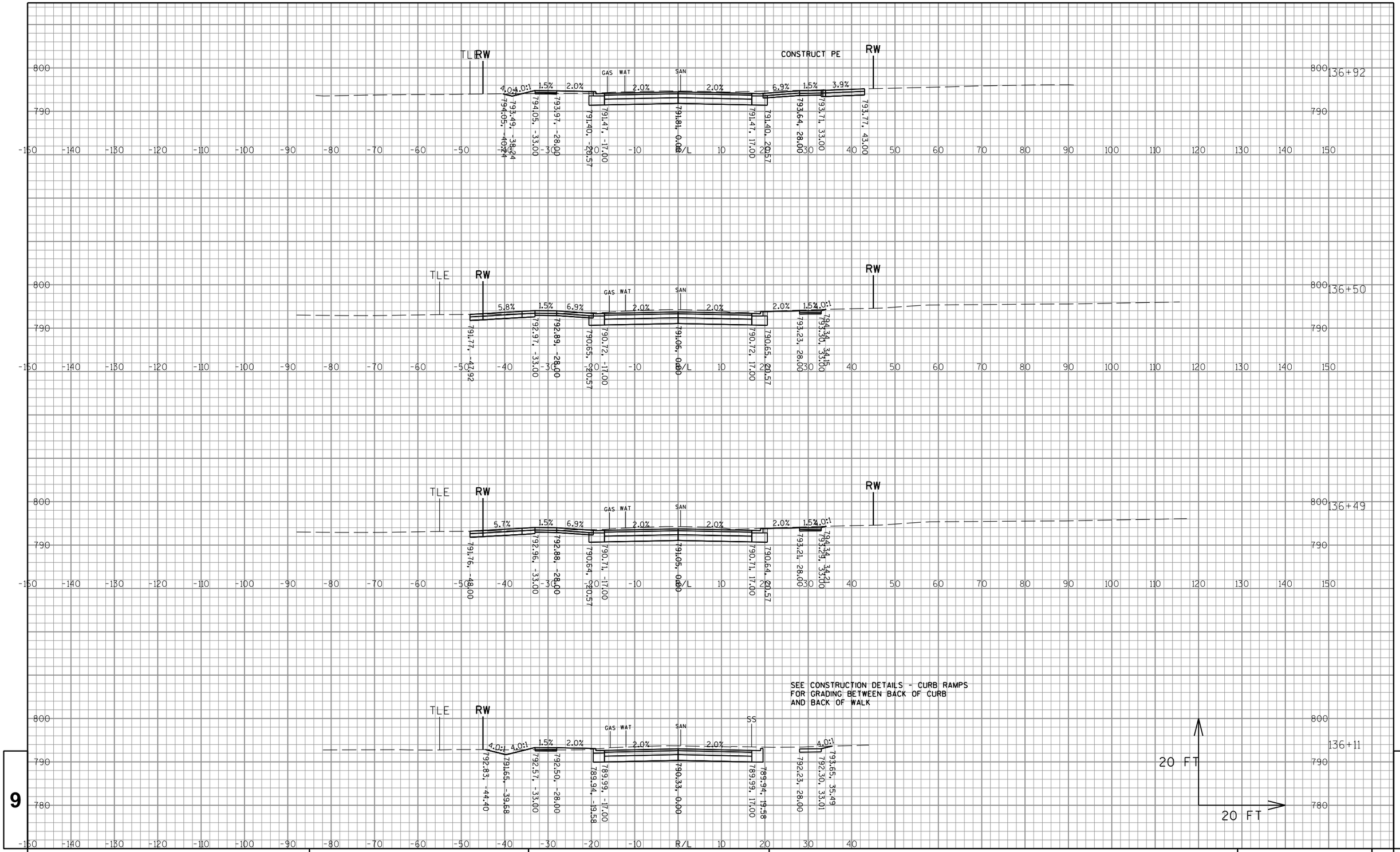
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 352	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\5.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



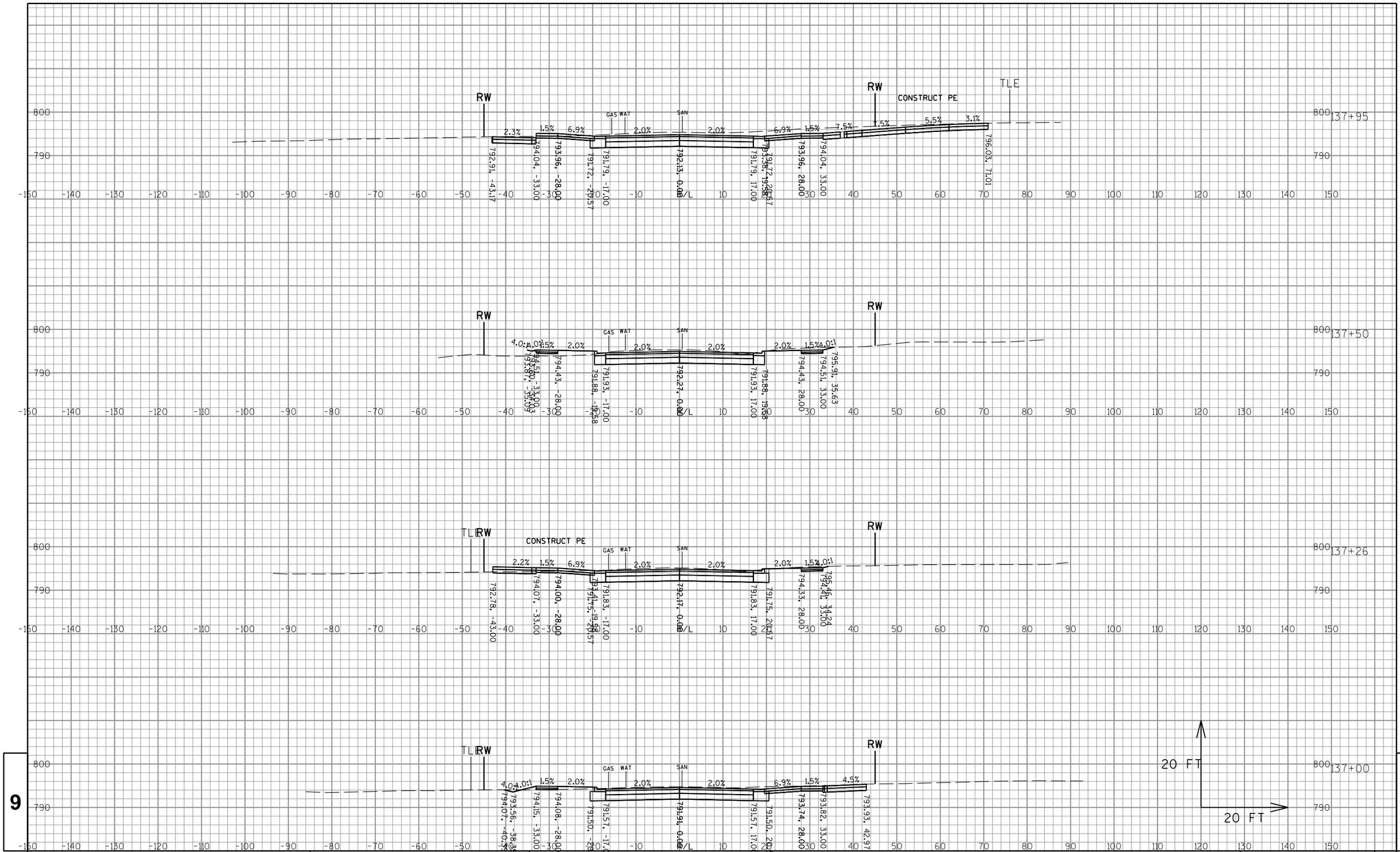
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 353	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\5.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



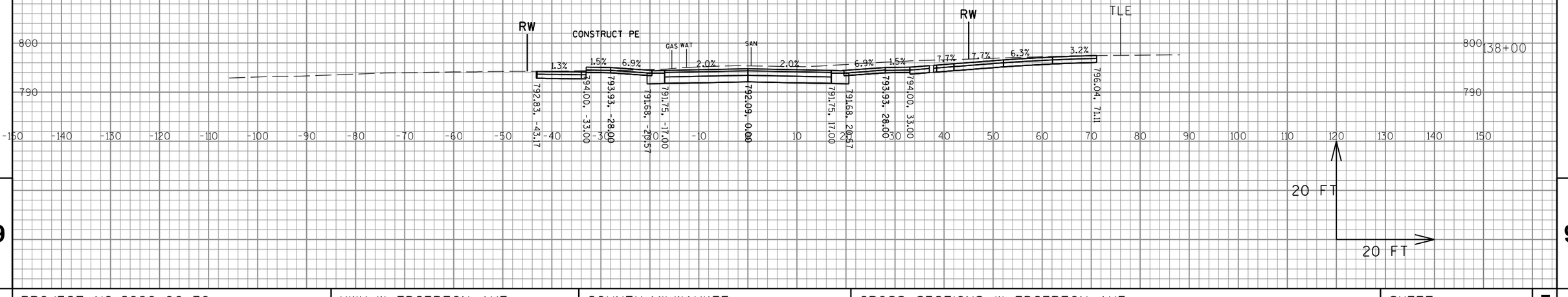
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 354	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\5.dgn | PLOT DATE : 10/4/2016 | PLOT BY : wwolak | PLOT NAME : | PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



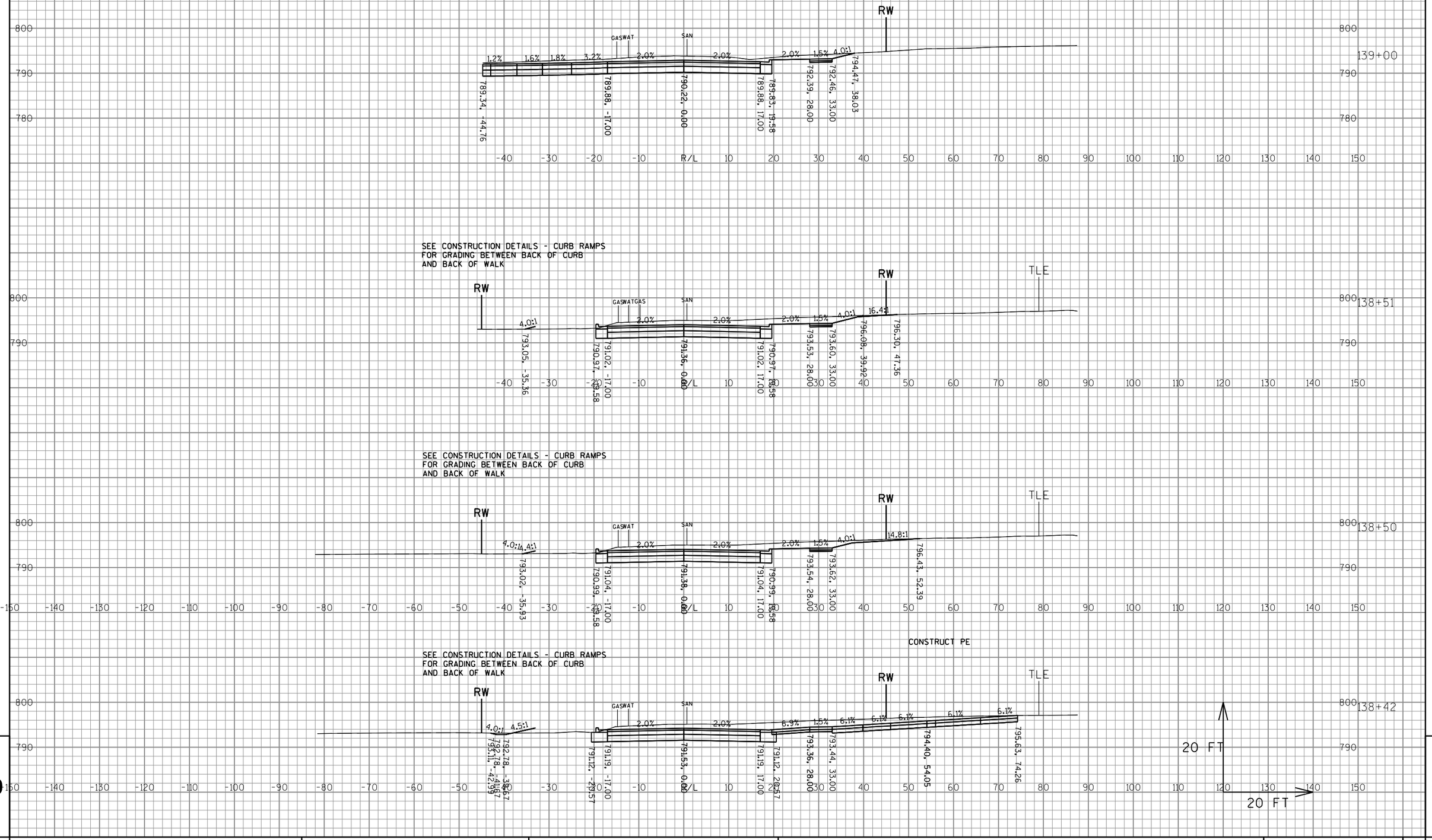
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 355	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\5.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



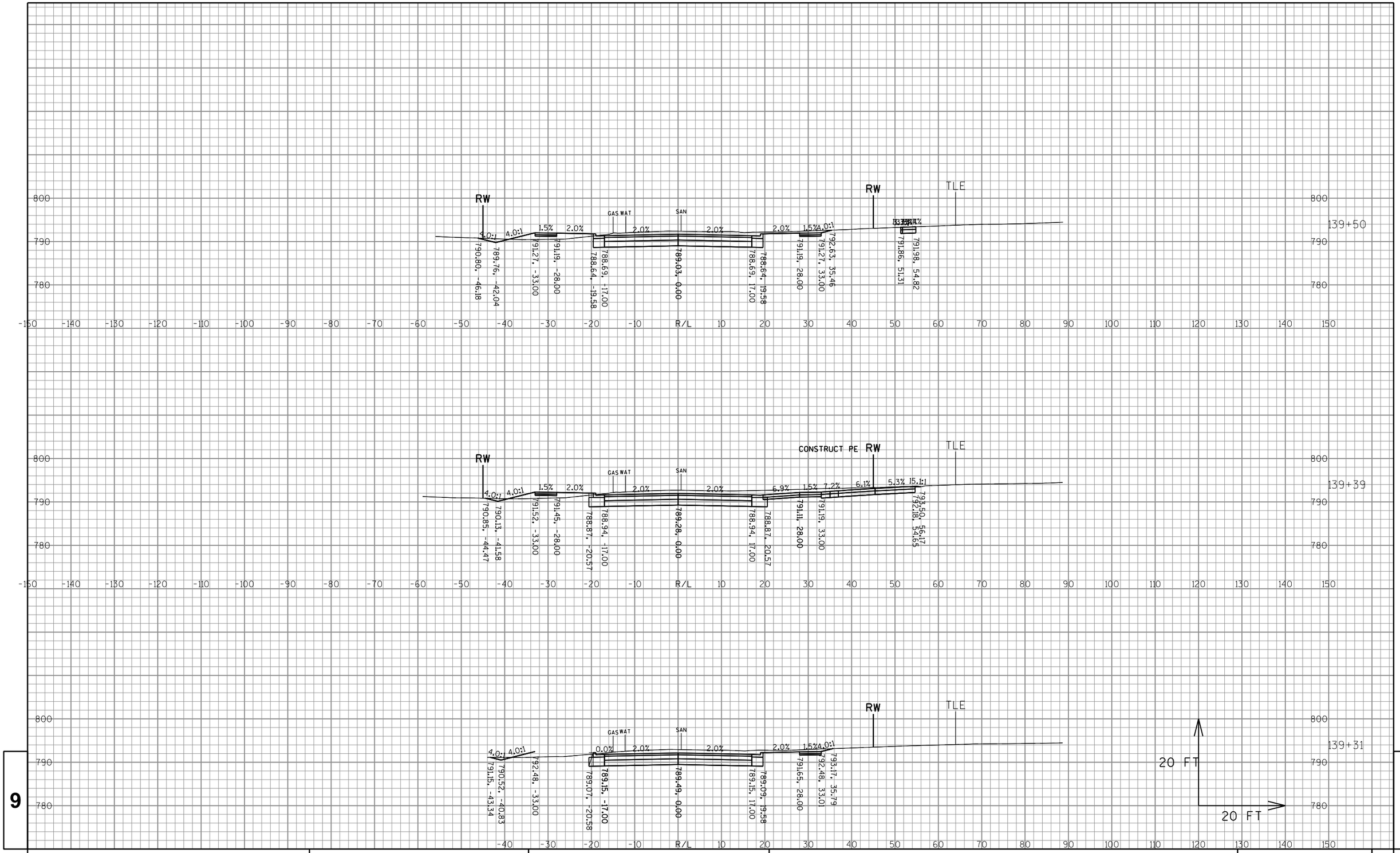
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 356	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\6.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



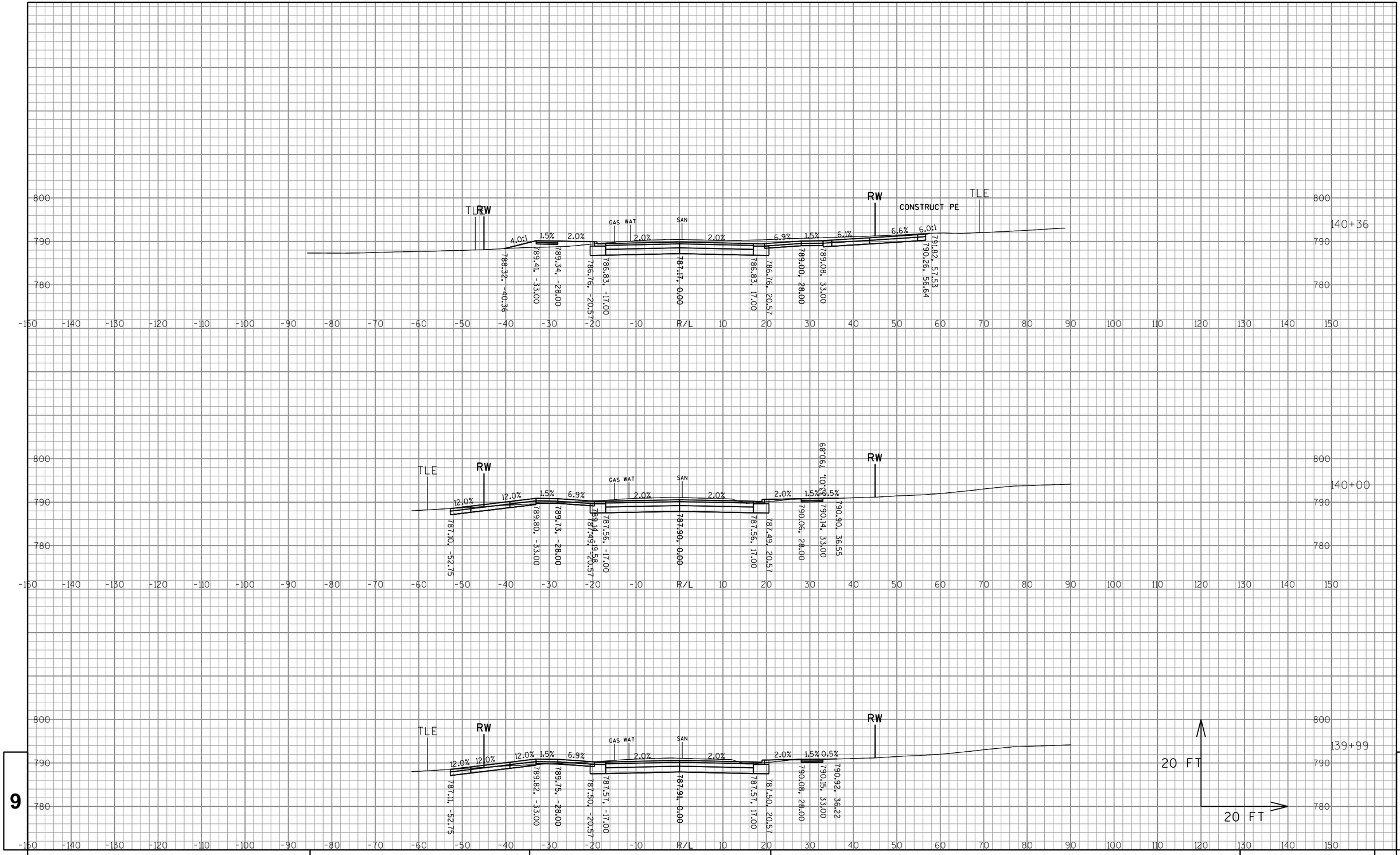
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 357	E

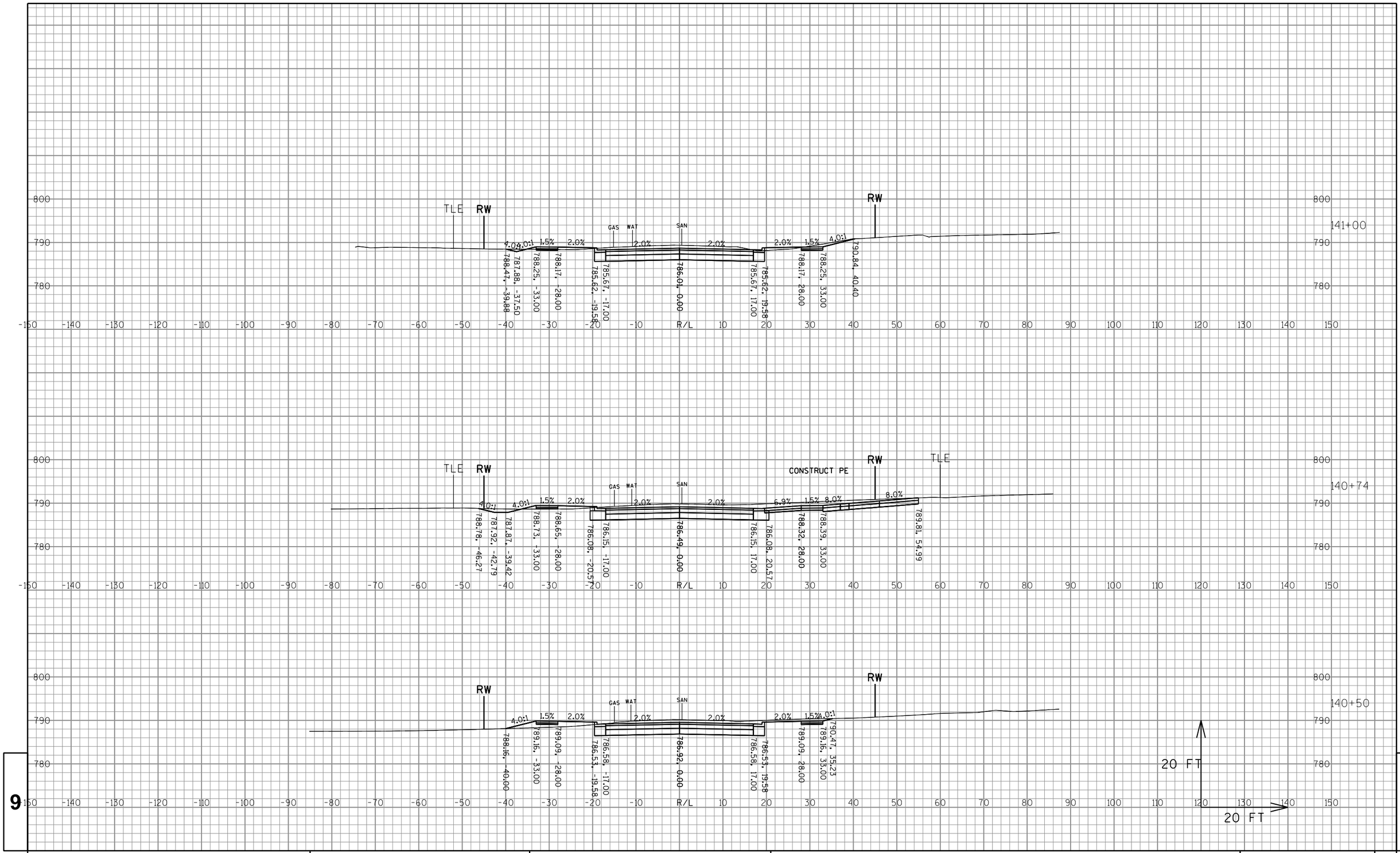
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WISDOT/CADDS SHEET 49



PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 358	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\6.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96
WISDOT/CADDS SHEET 49



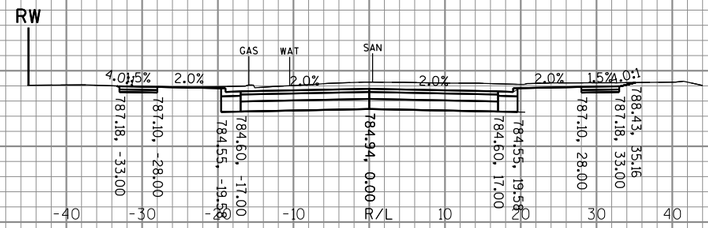
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 359	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\6.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

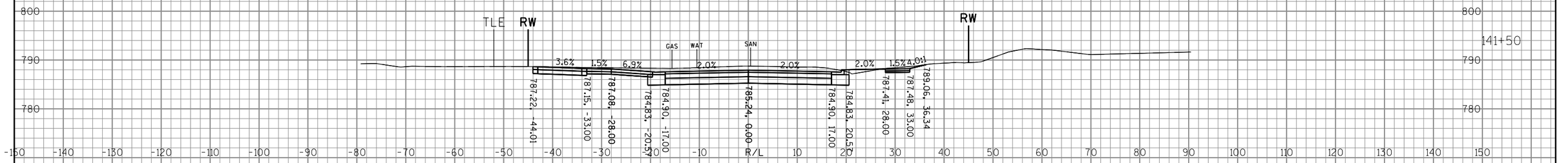


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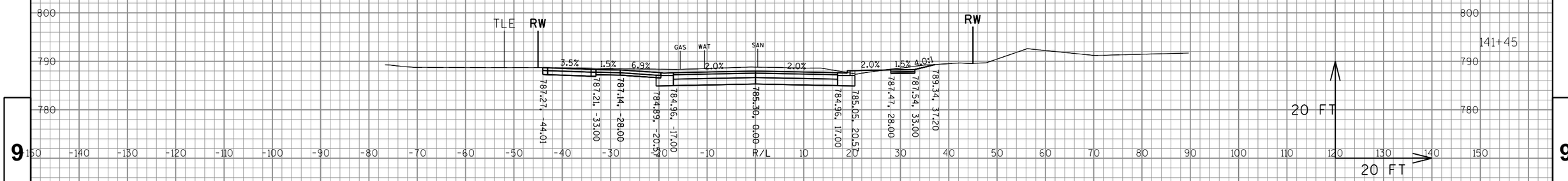
780

790

141+83



CONSTRUCT PE



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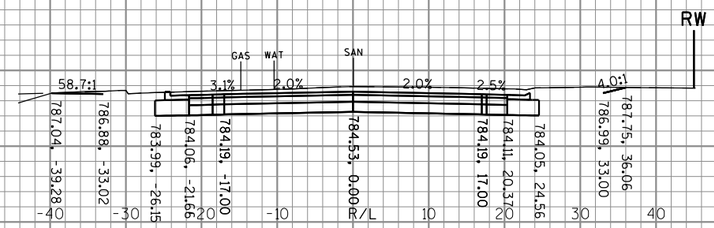
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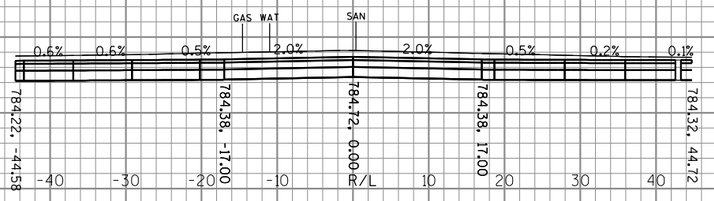
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 360	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\6.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

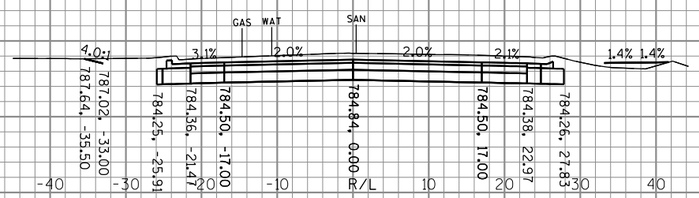
WISDOT/CADDS SHEET 49

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK

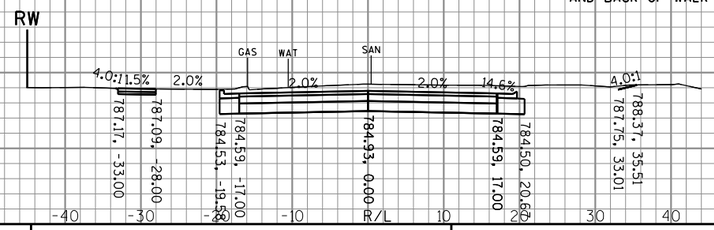


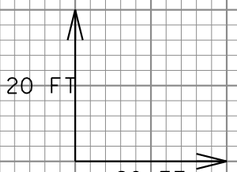


SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK

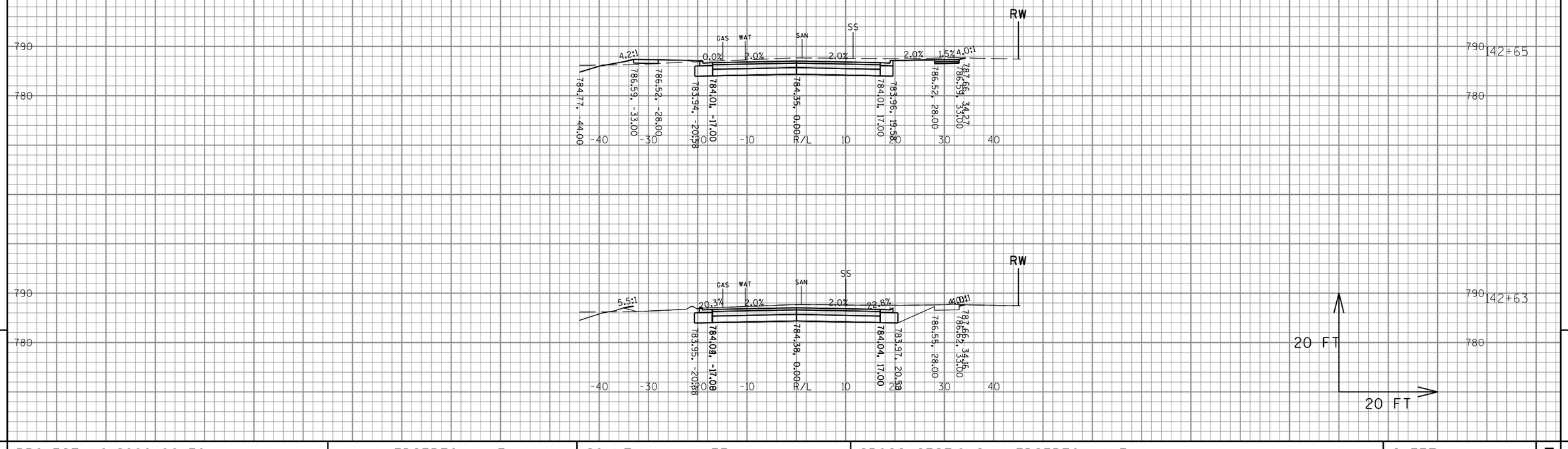




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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 361	E

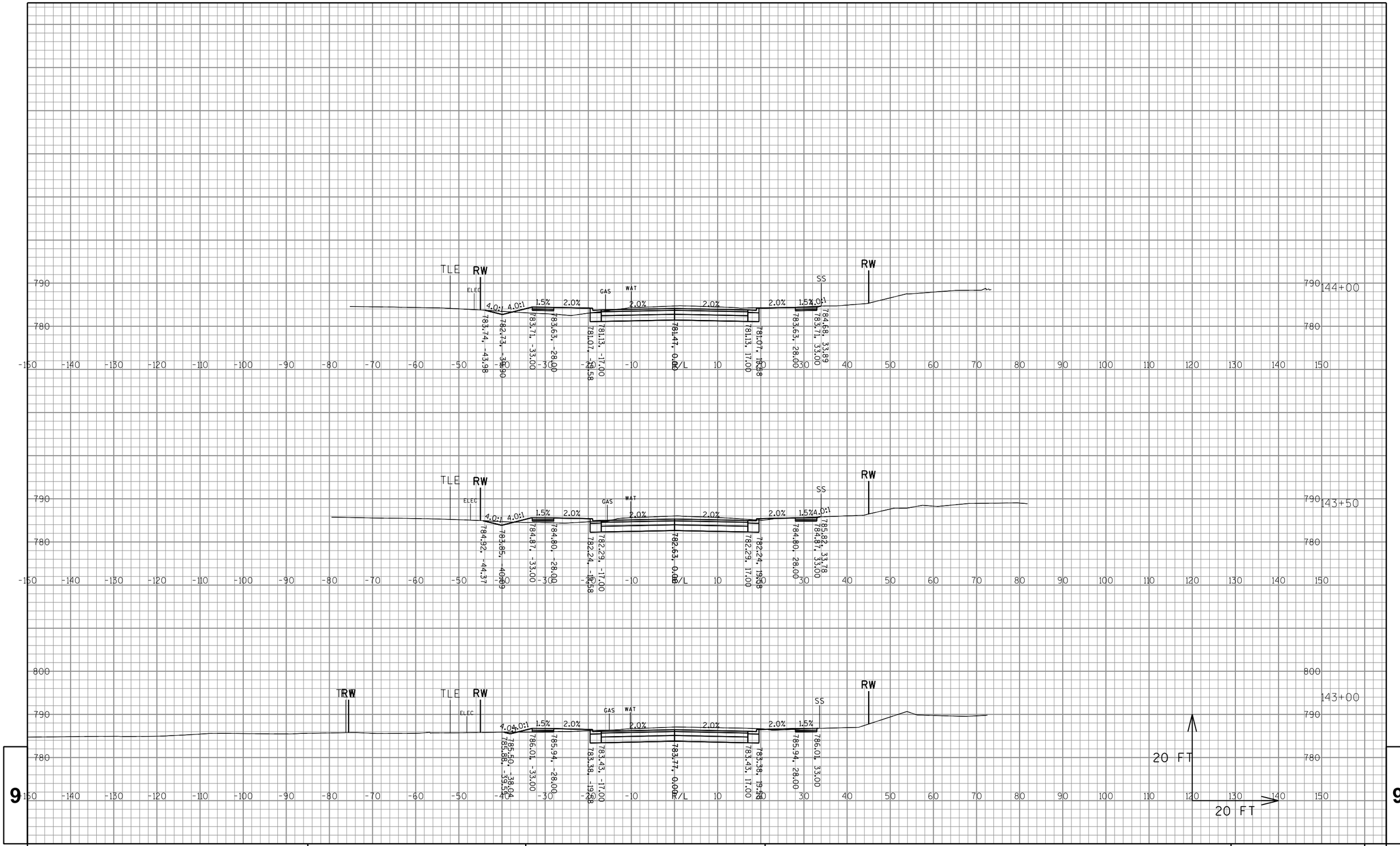


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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 362	E

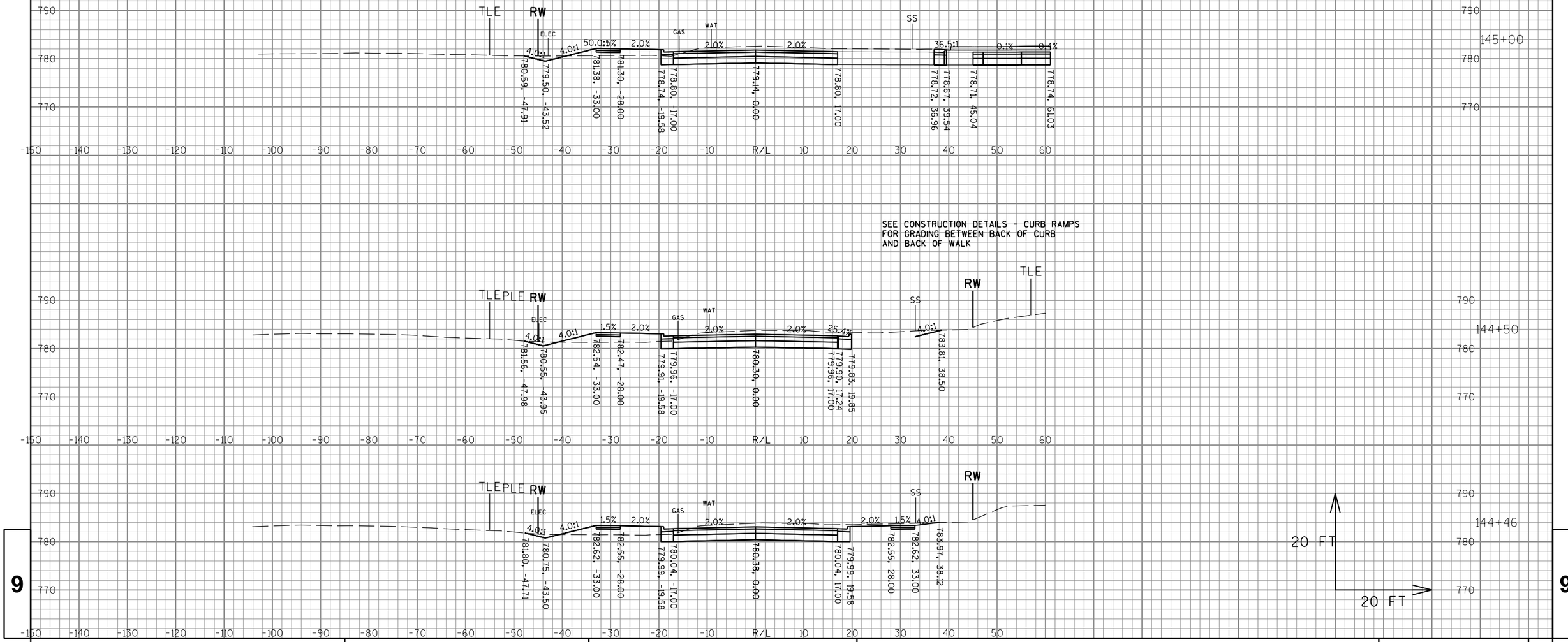
FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\6.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96



PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 363 E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\6.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK

9

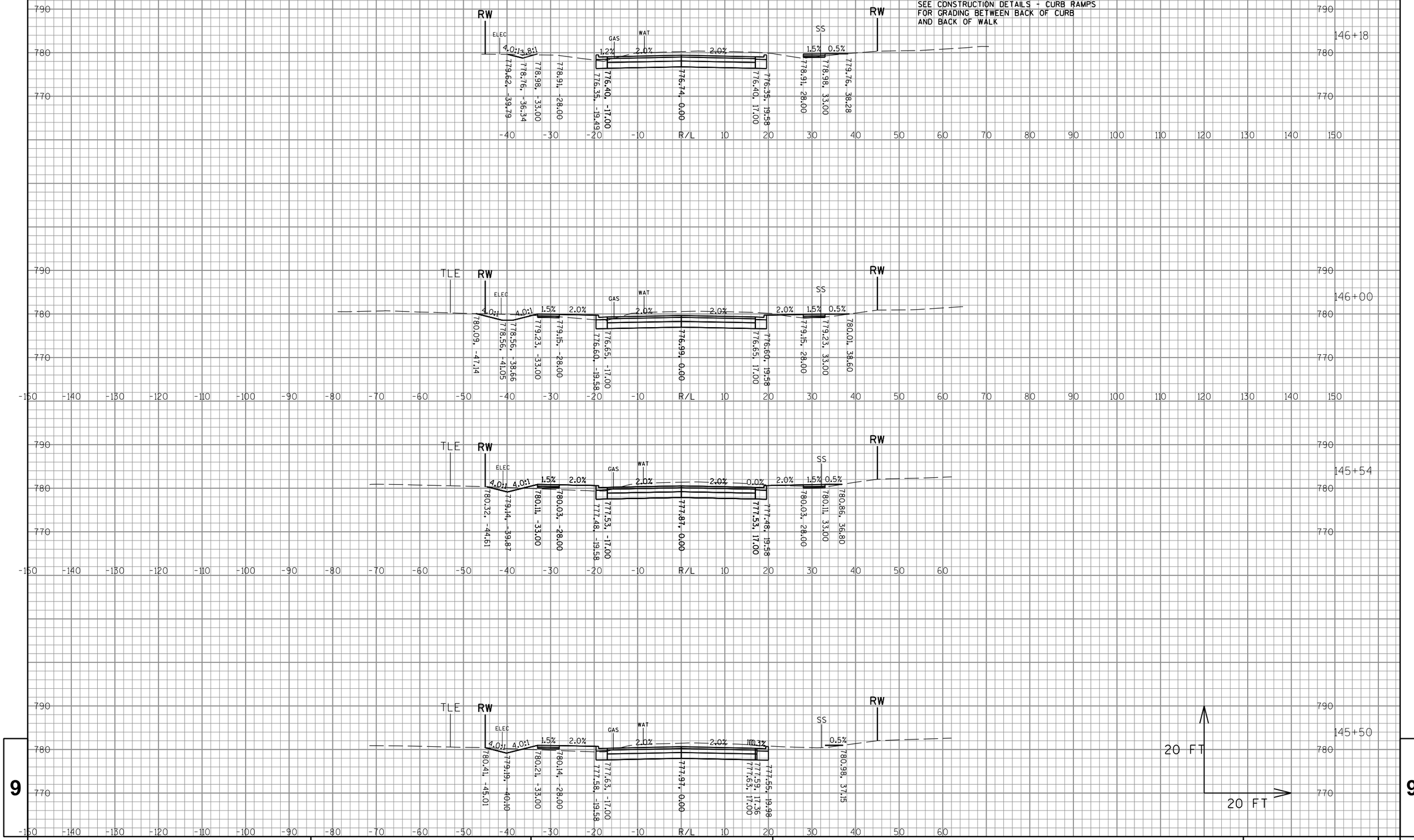
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 364	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\7.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



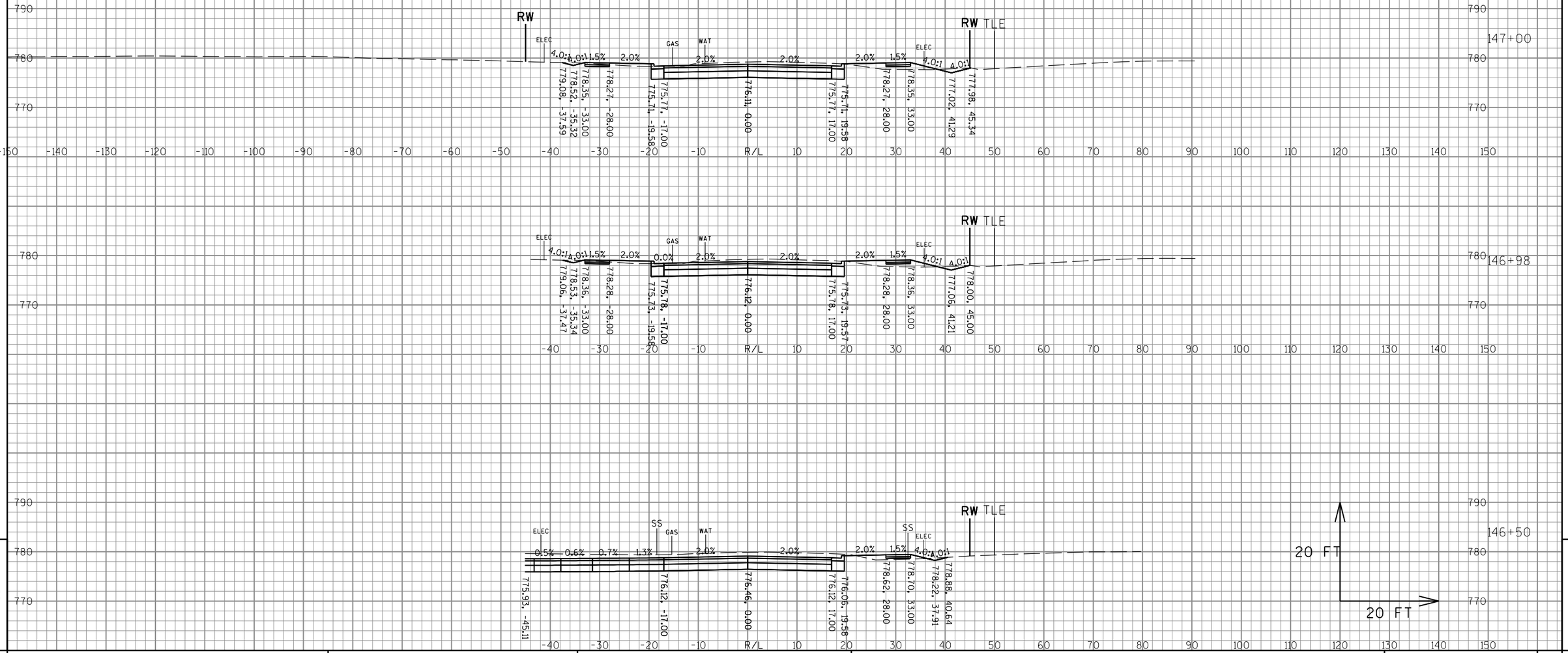
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 365	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\7.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



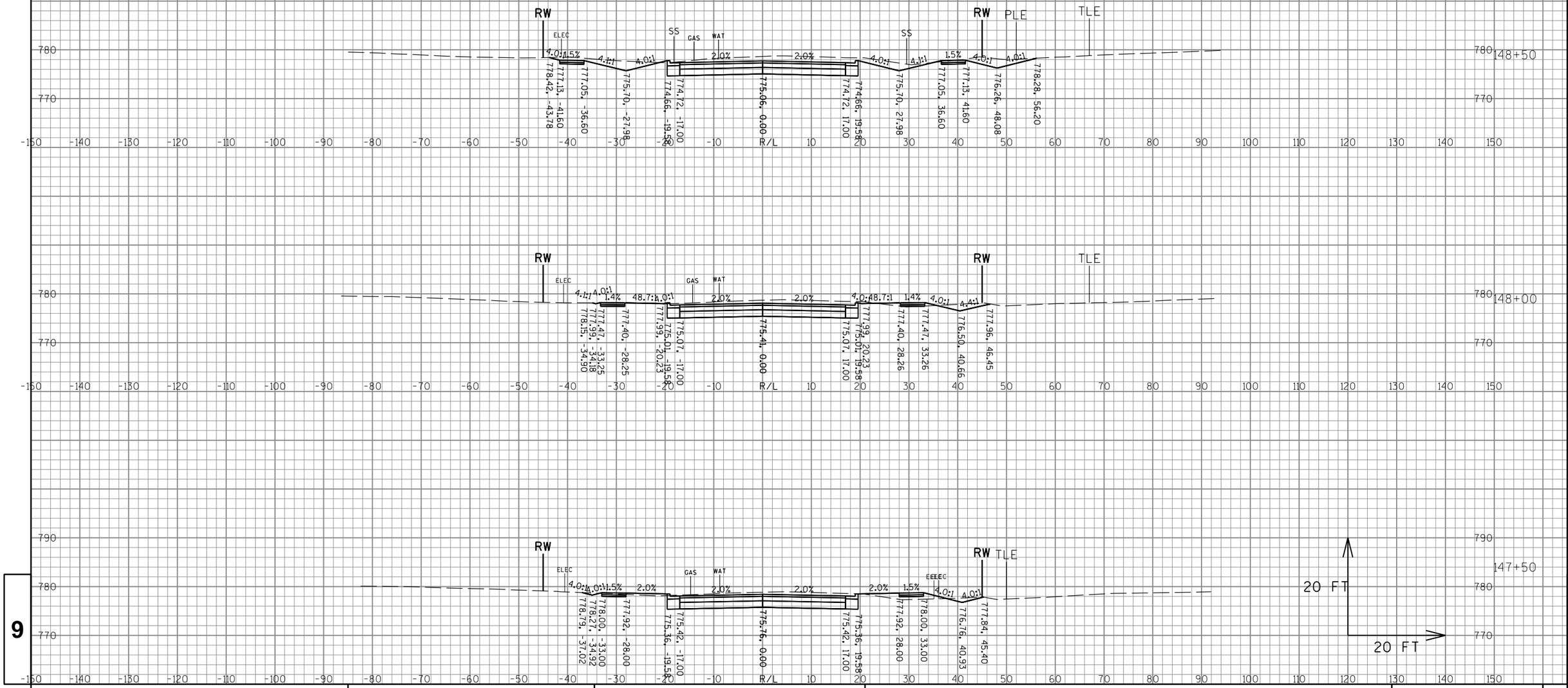
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 366	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\7.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



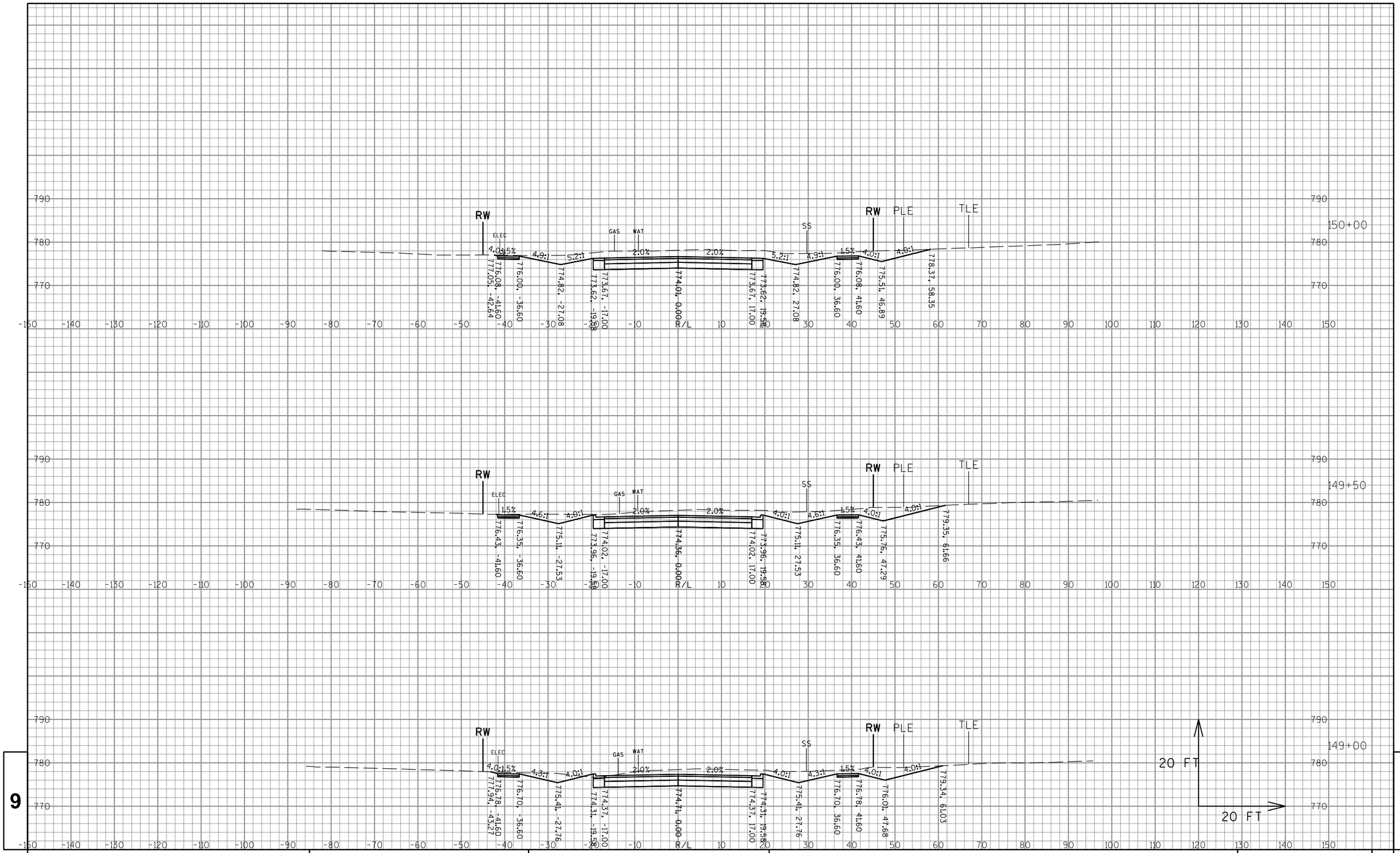
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 367	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\7.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



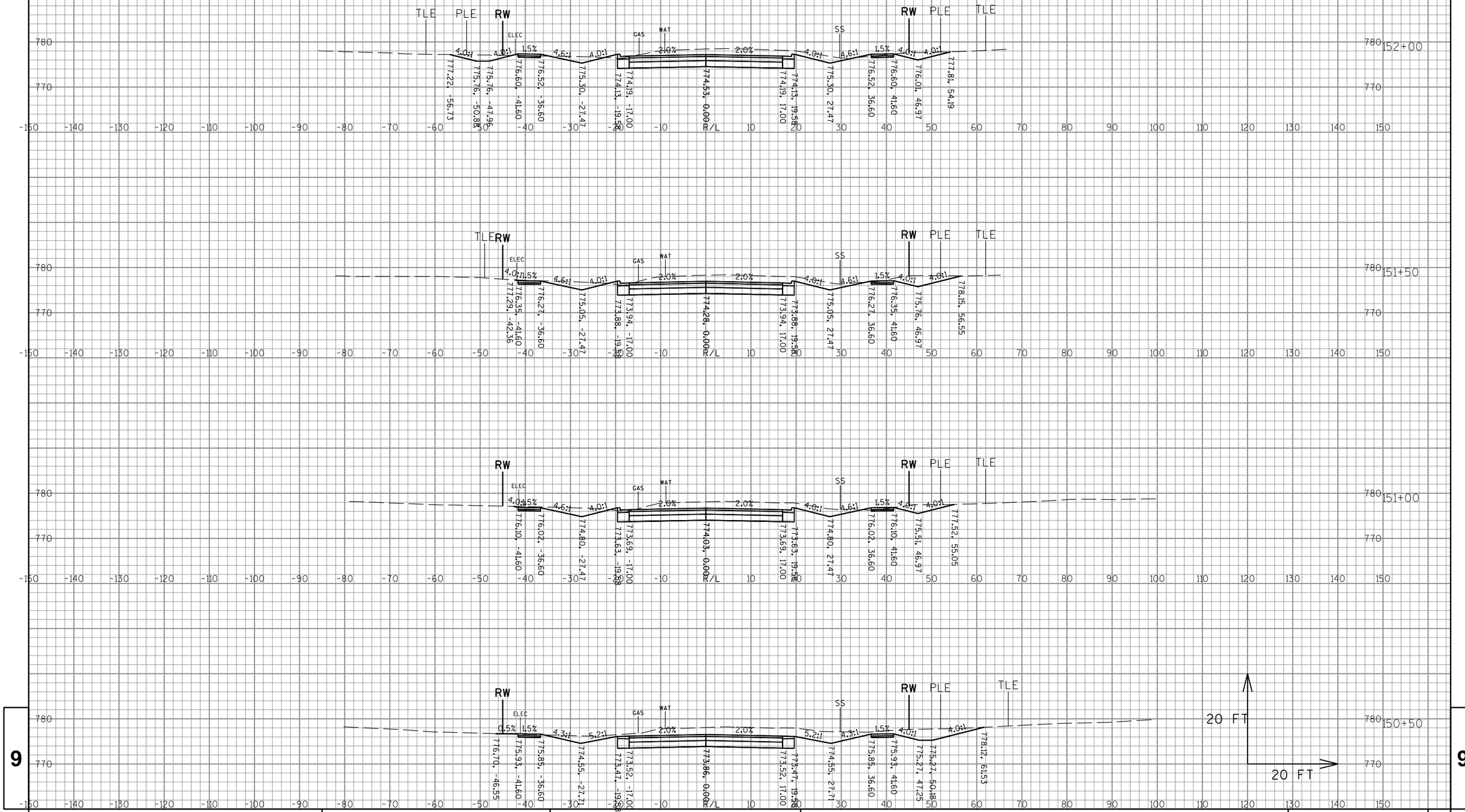
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 368	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\7.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

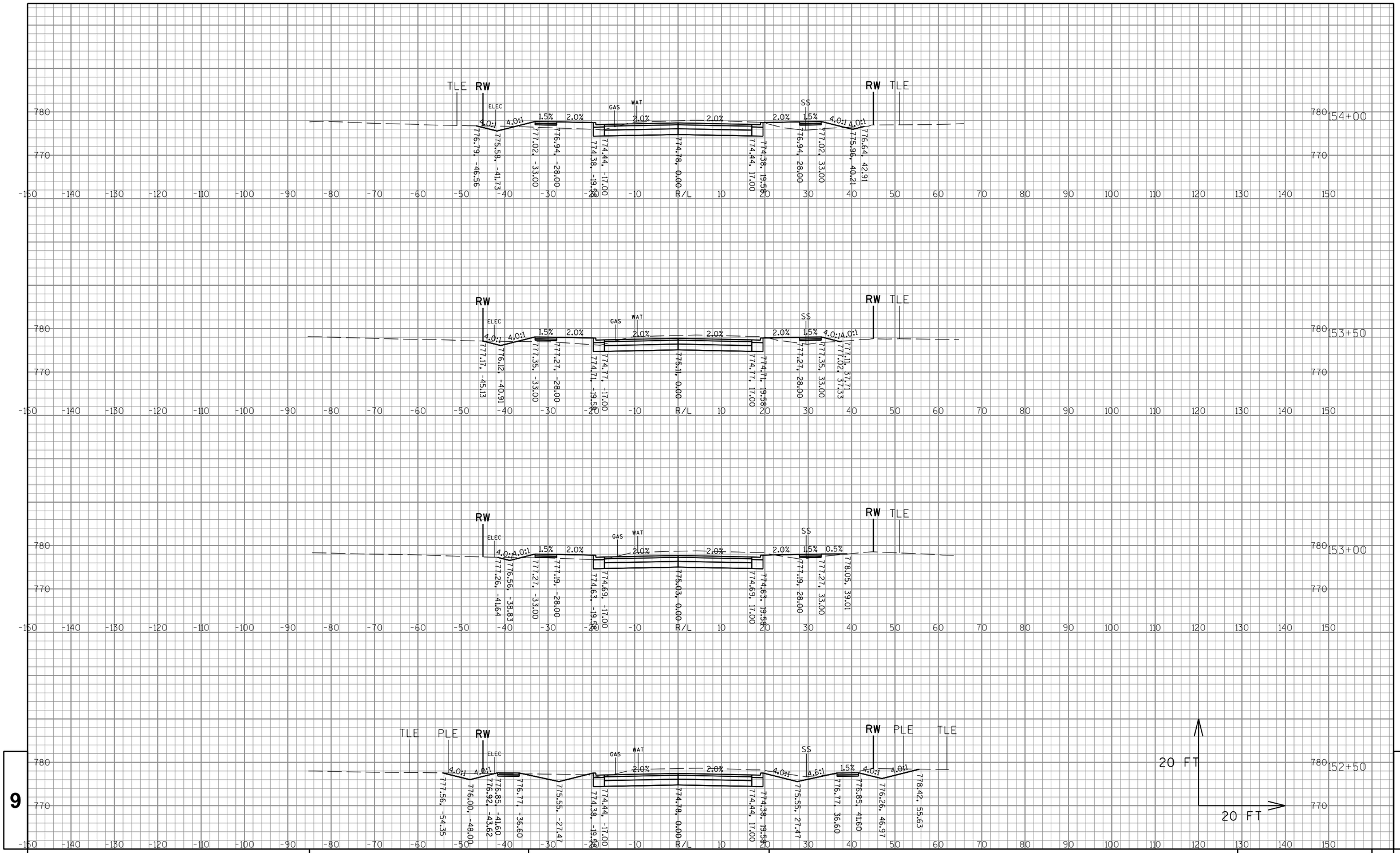
WISDOT/CADDS SHEET 49



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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 369	E

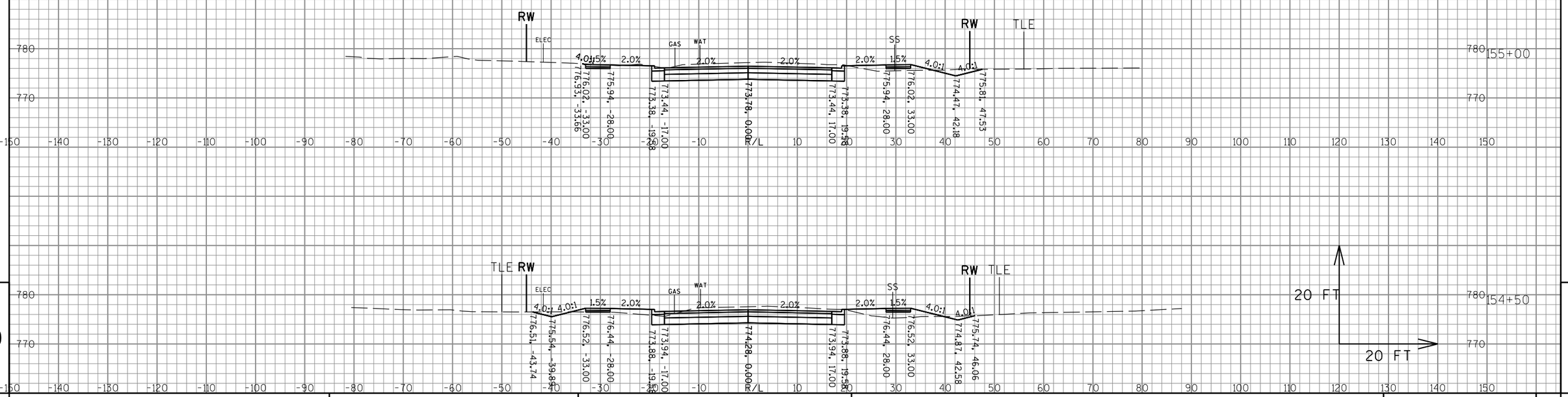


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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 370	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\7.dgn
PLOT DATE : 10/4/2016
PLOT BY : wwolak
PLOT NAME :
PLOT SCALE : 1:60.96
WISDOT/CADDS SHEET 49



9

9

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 371	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\7.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



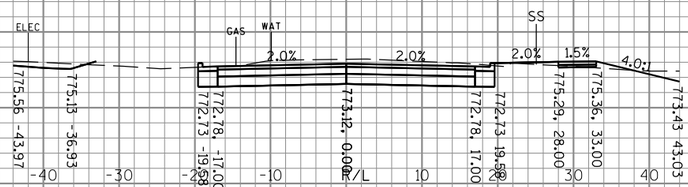
156+00

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK

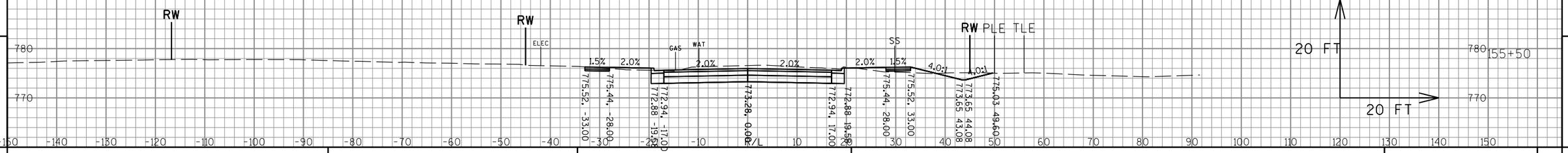


155+66

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



155+65

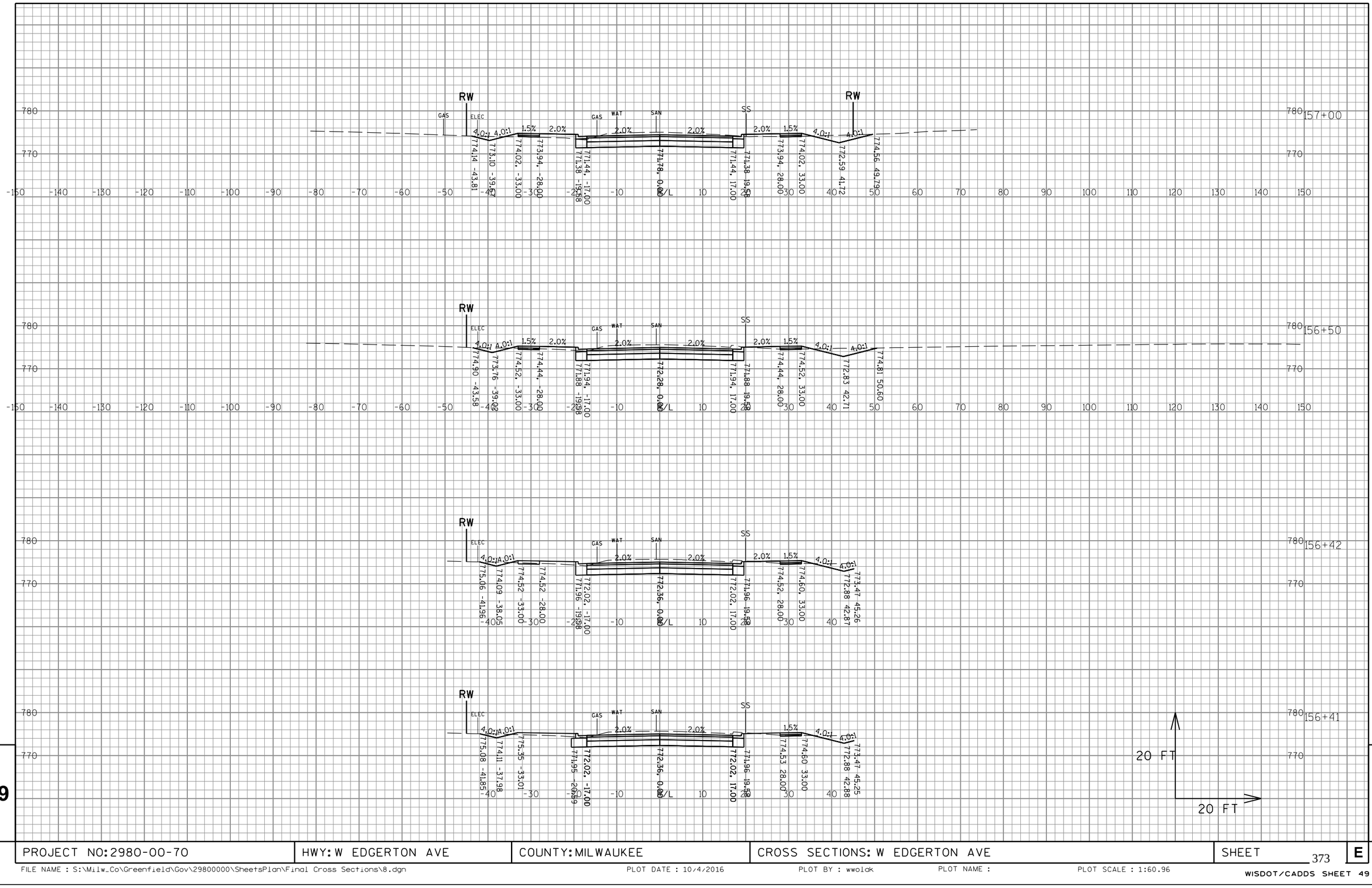


155+50

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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 372	E

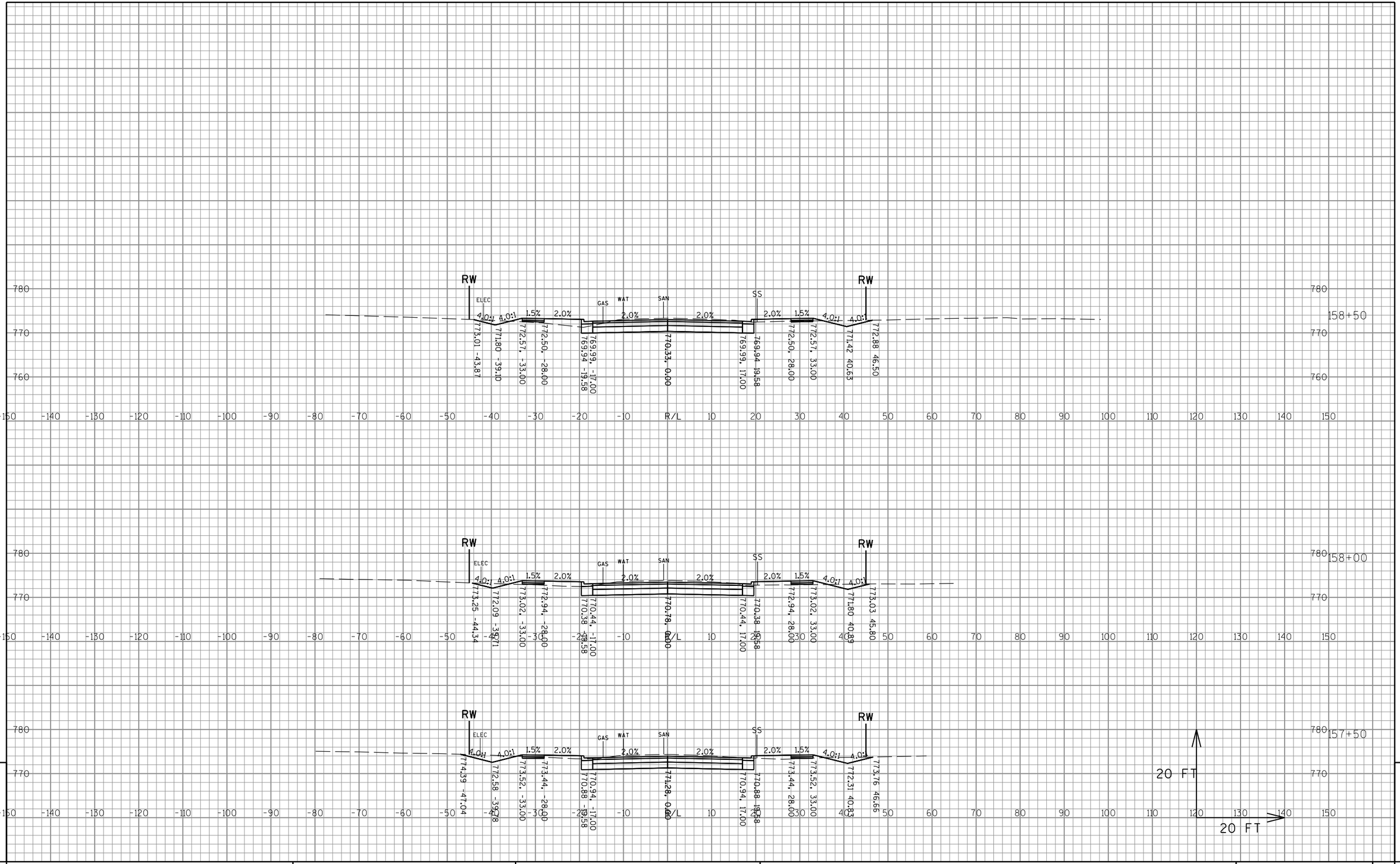


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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 373	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\8.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96
WISDOT/CADDS SHEET 49



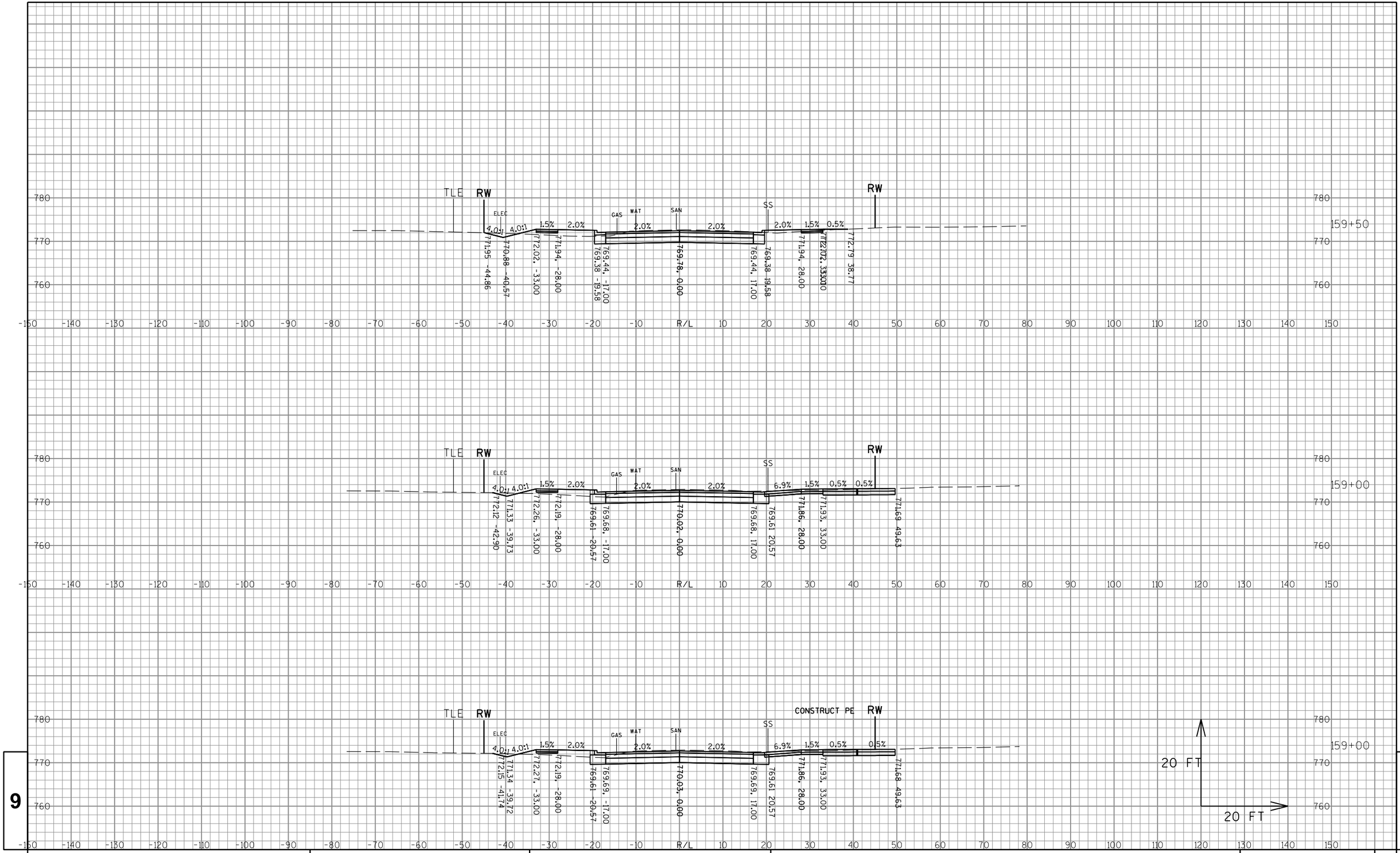
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 374	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\8.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



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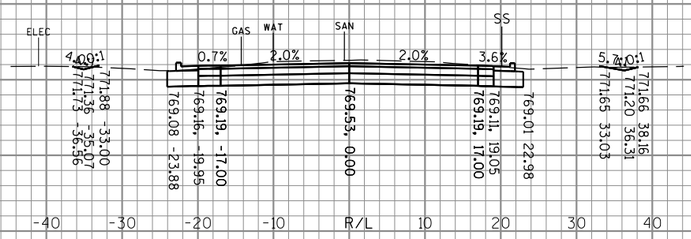
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 375	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\8.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

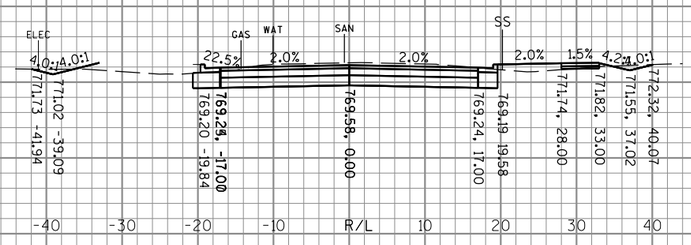
WISDOT/CADDS SHEET 49

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK

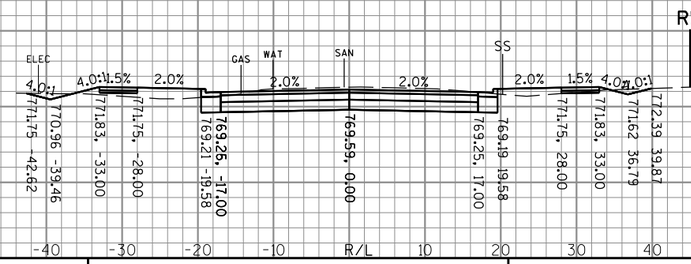


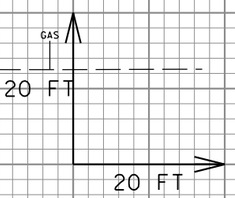
160+00

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



159+90



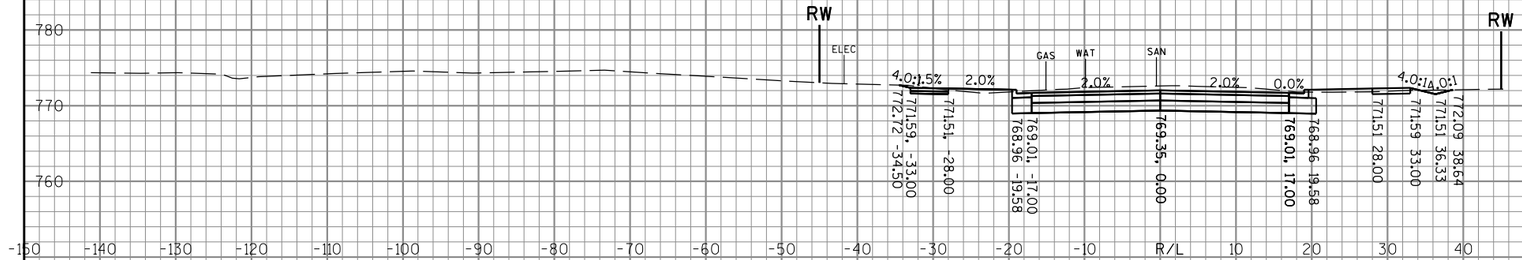


159+88

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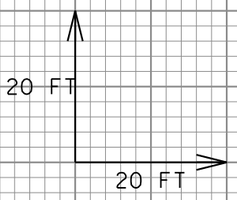
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 376	E



SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK

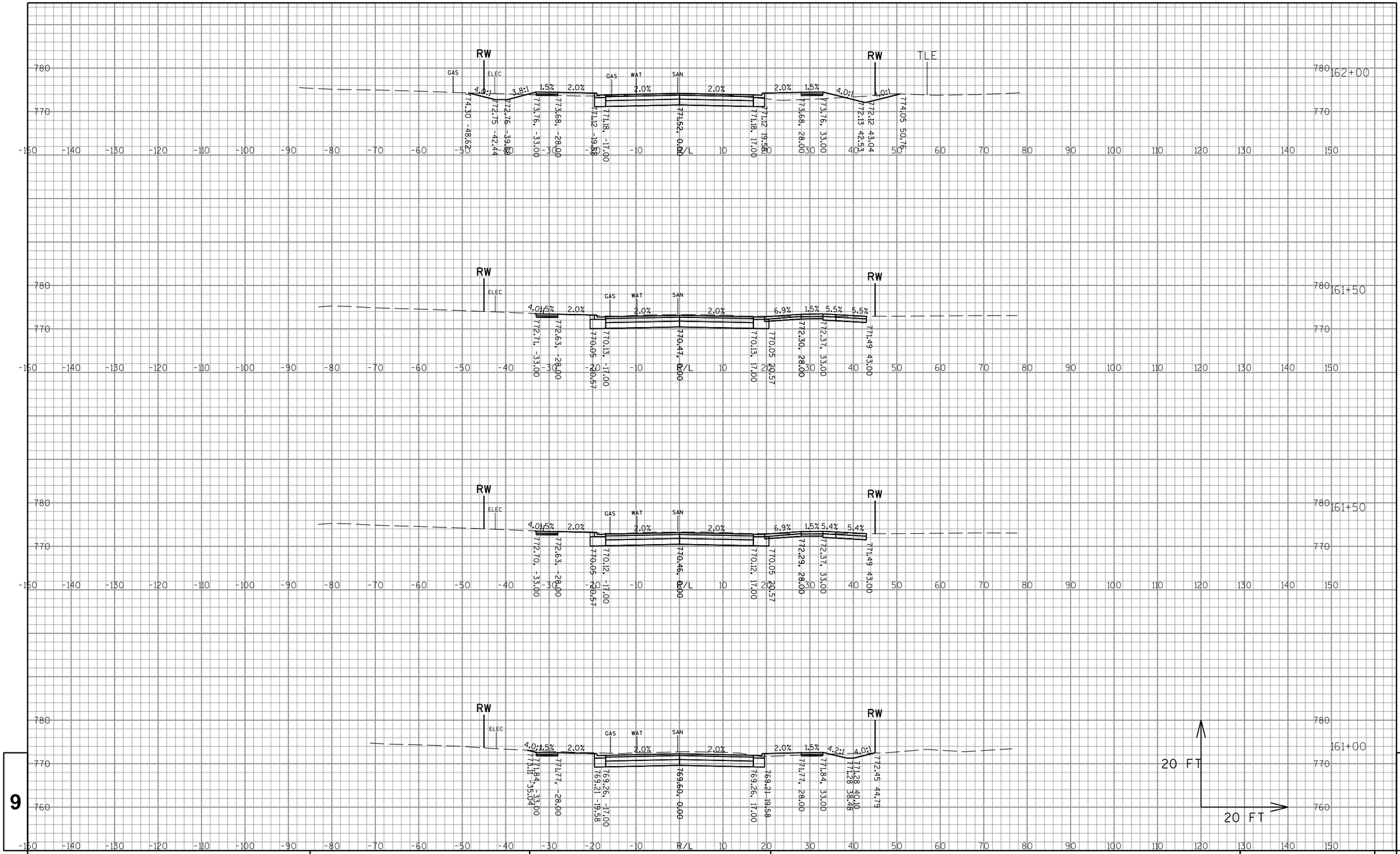




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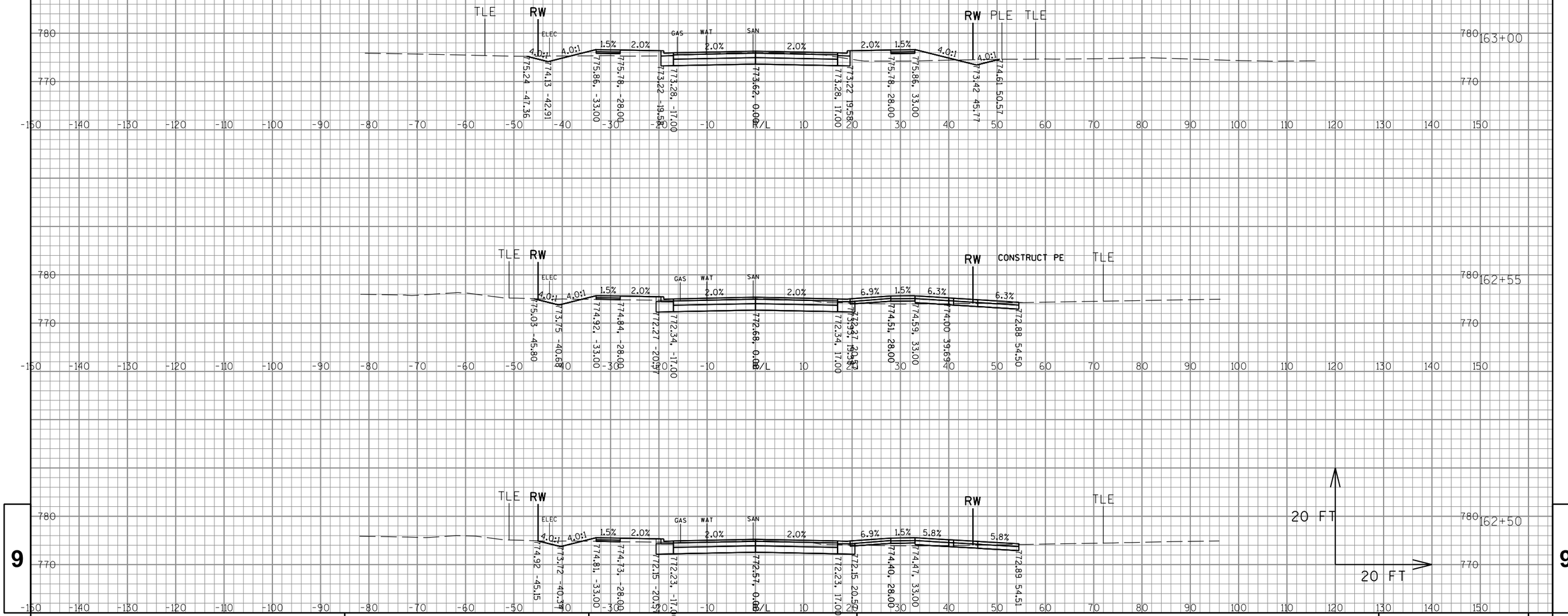
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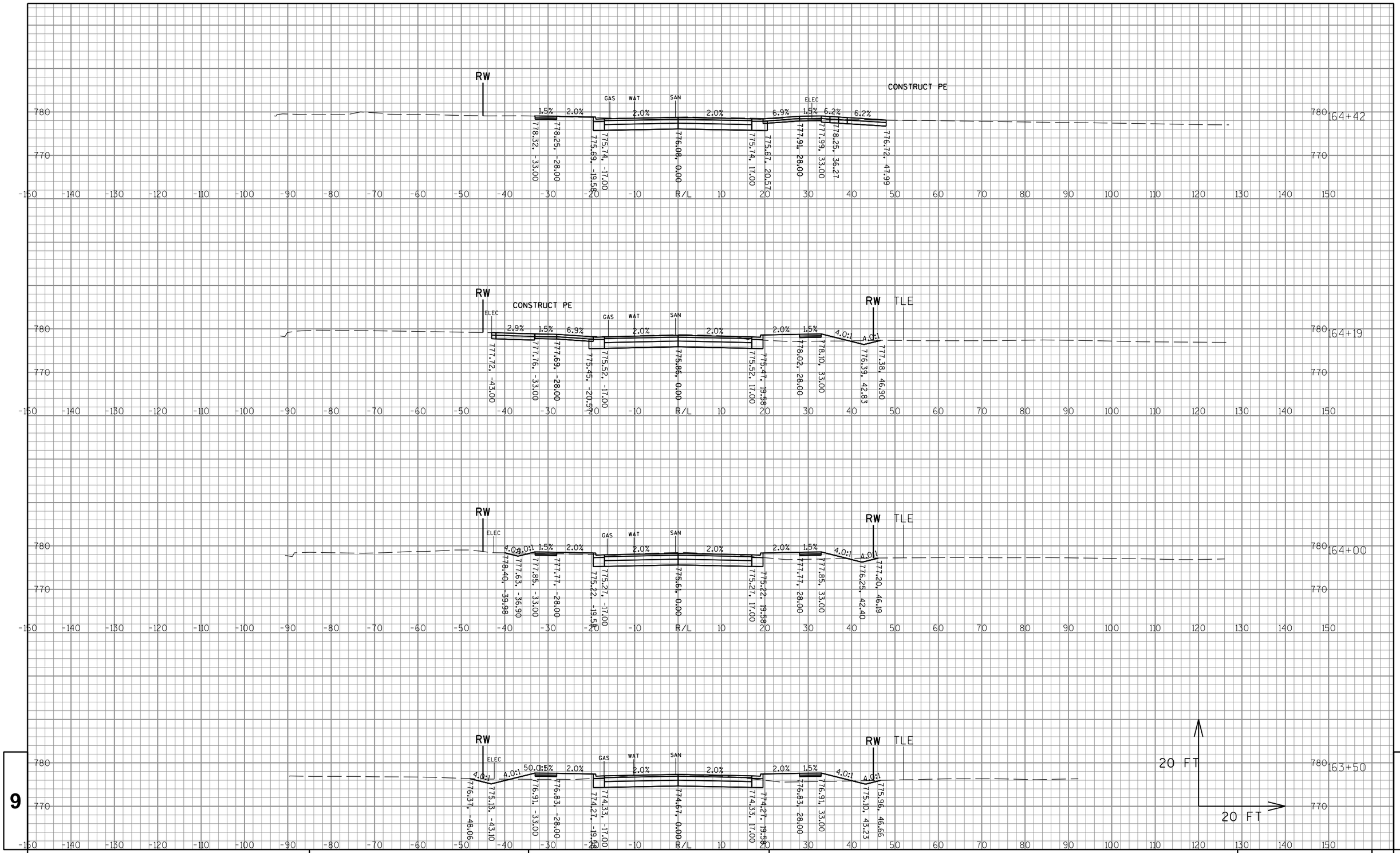
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FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\8.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 379	E



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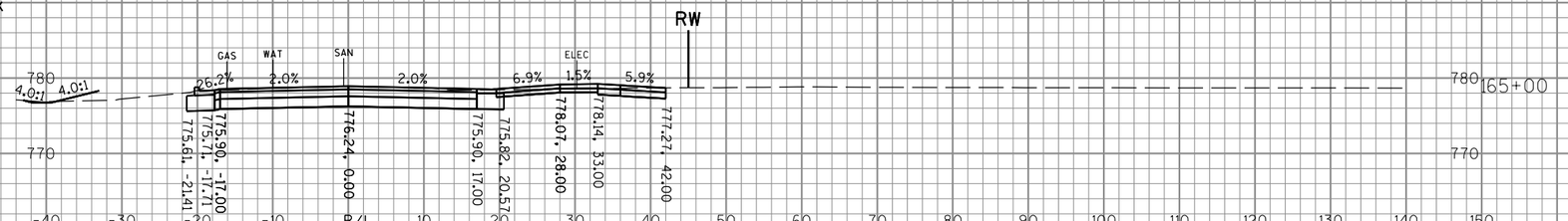
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 380	E

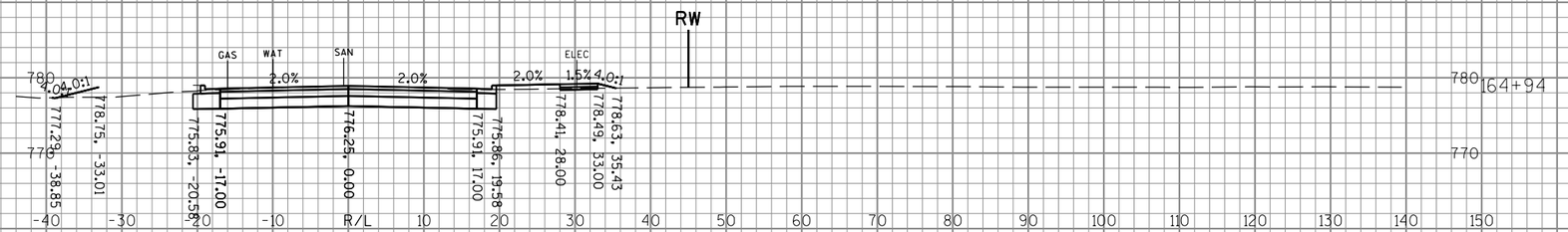
FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\9.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

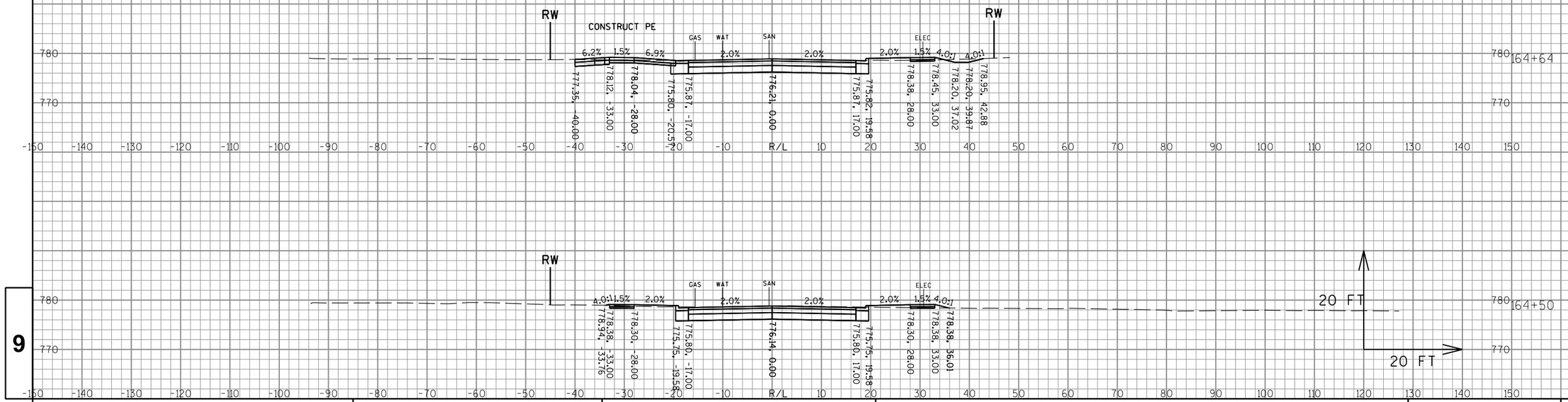
WISDOT/CADDS SHEET 49

SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK



SEE CONSTRUCTION DETAILS - CURB RAMPS
FOR GRADING BETWEEN BACK OF CURB
AND BACK OF WALK





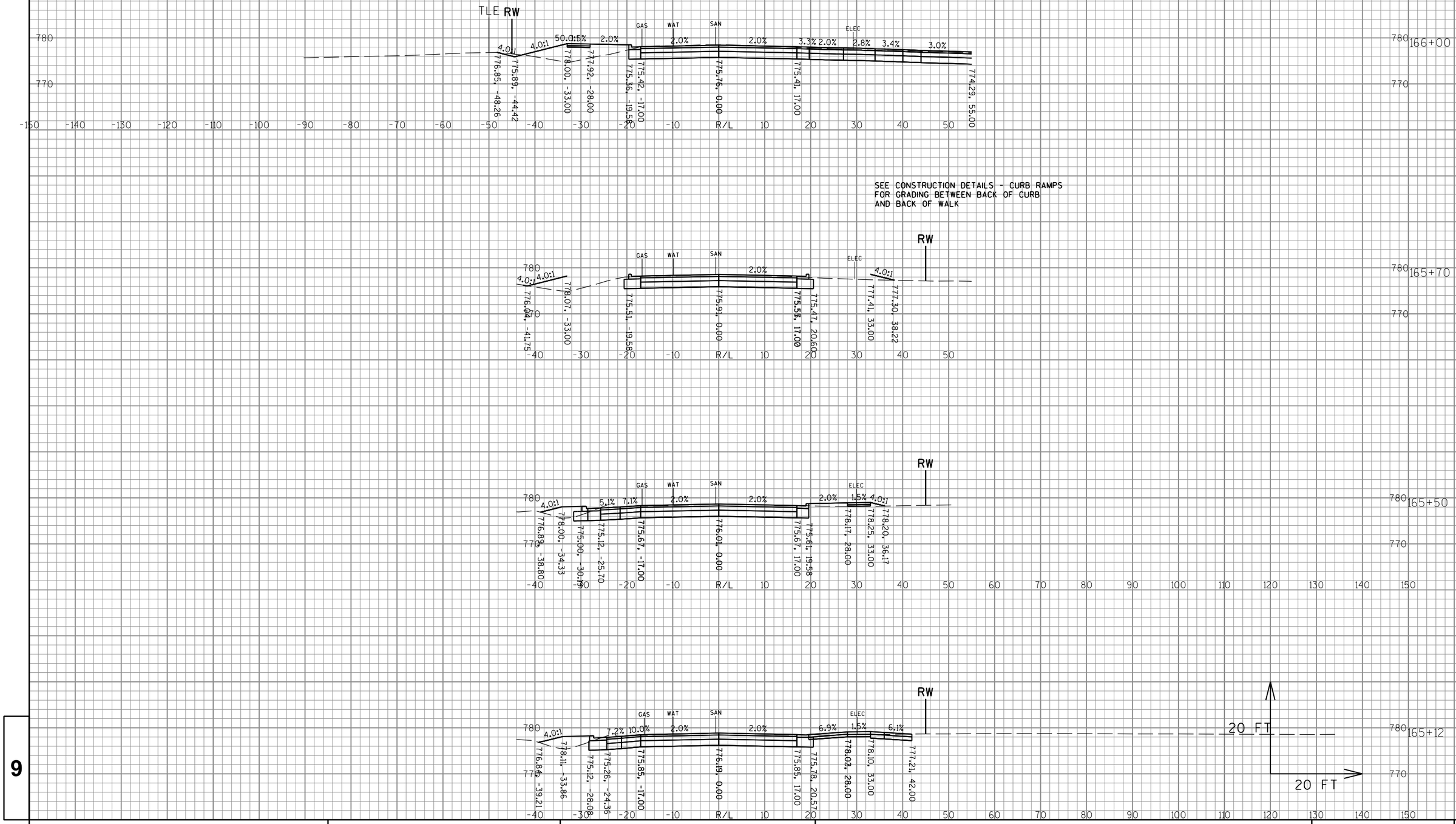
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 381	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\9.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



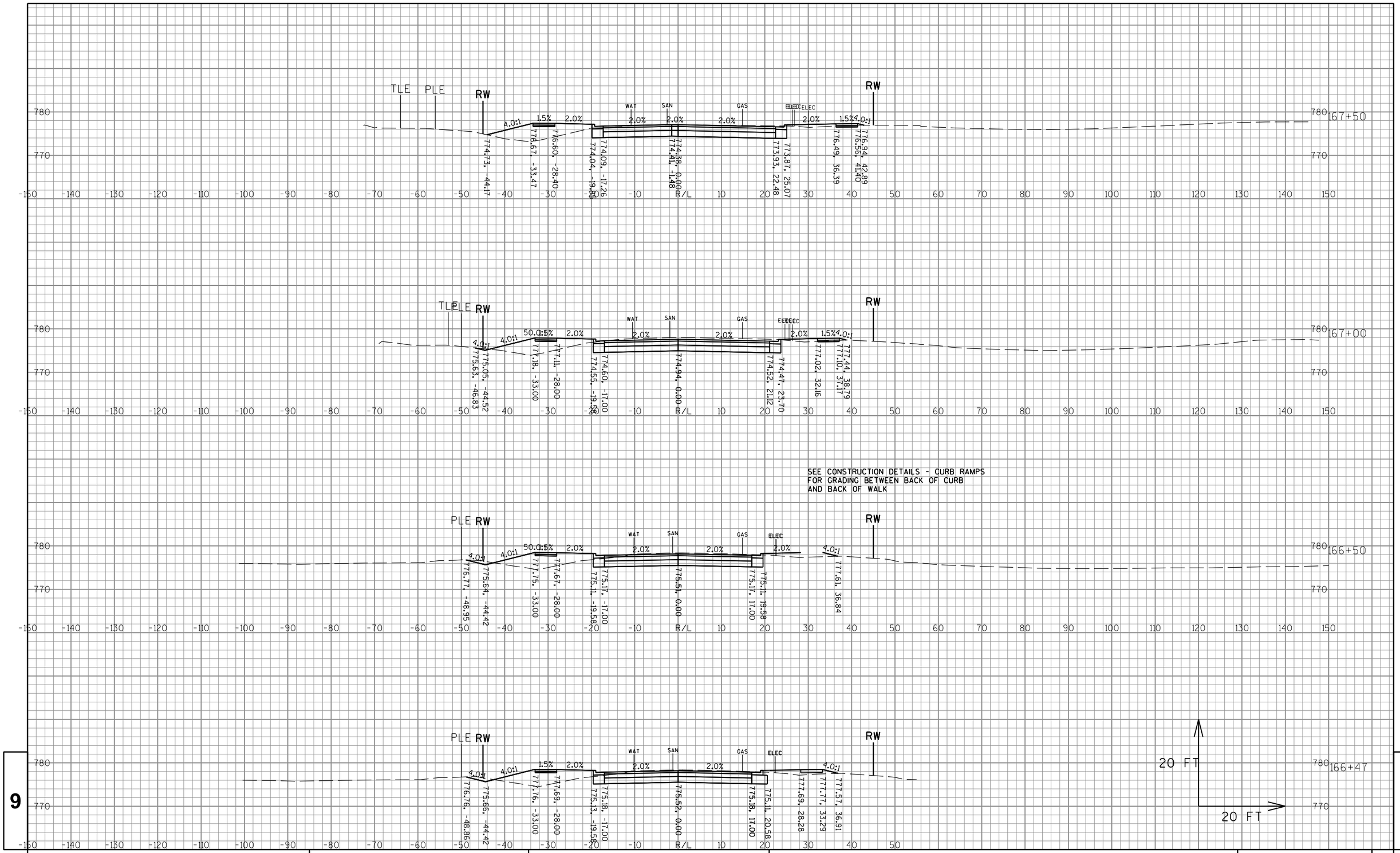
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 382	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\9.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



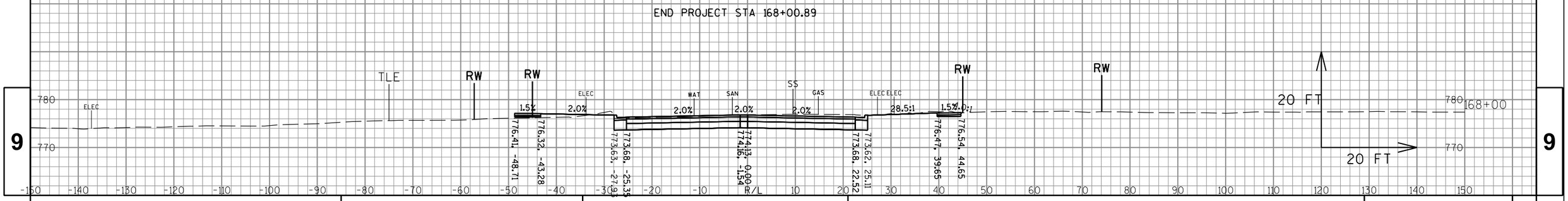
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 383	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\9.dgn
PLOT DATE : 10/4/2016
PLOT BY : wwolak
PLOT NAME :
PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

END PROJECT STA 168+00.89



9

9

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: W EDGERTON AVE	SHEET 384	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\9.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

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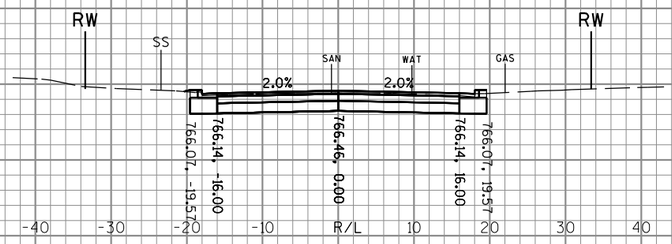
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 48TH ST	SHEET 385	E

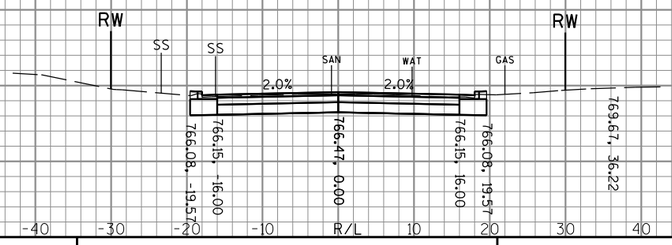
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WISDOT/CADDS SHEET 49

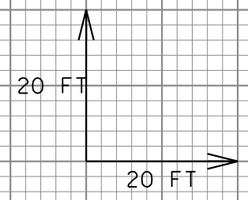
MATCH EDGERTON AVE STA 9+55.44



9+55



9+50



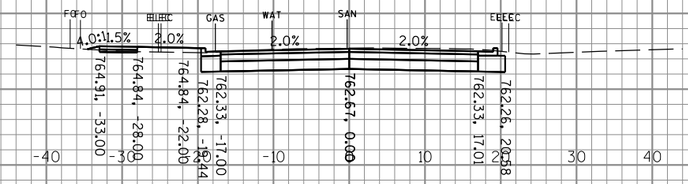
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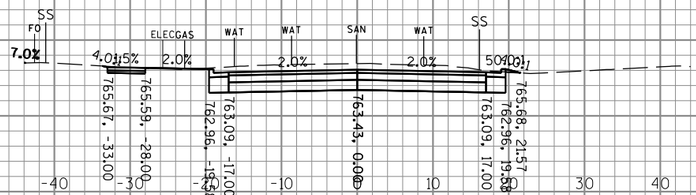
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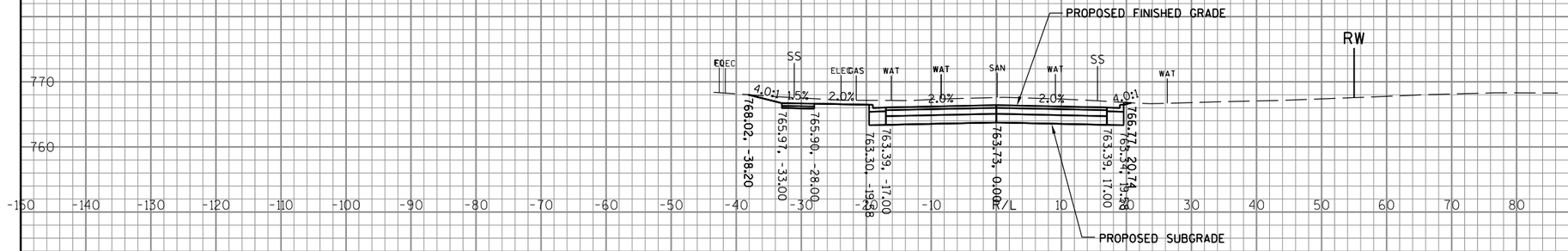
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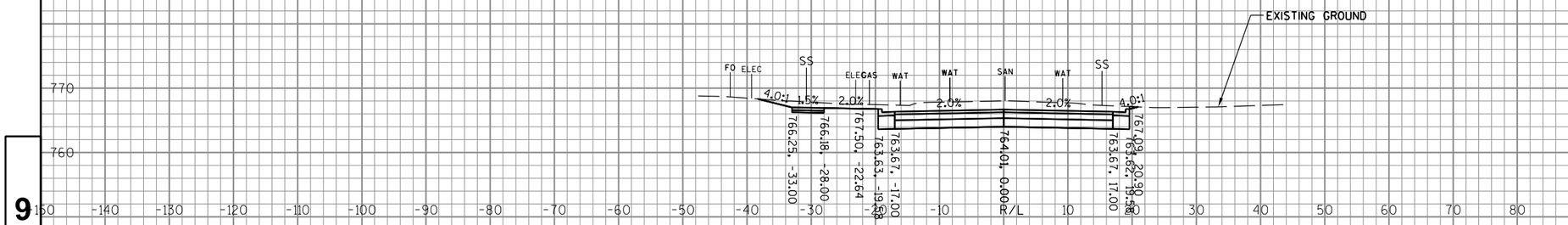
FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\11.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49









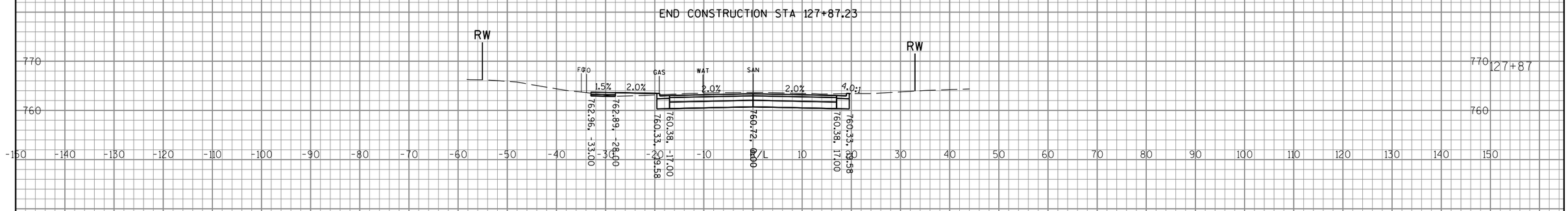
BEGIN CONSTRUCTION STA 125+30.75

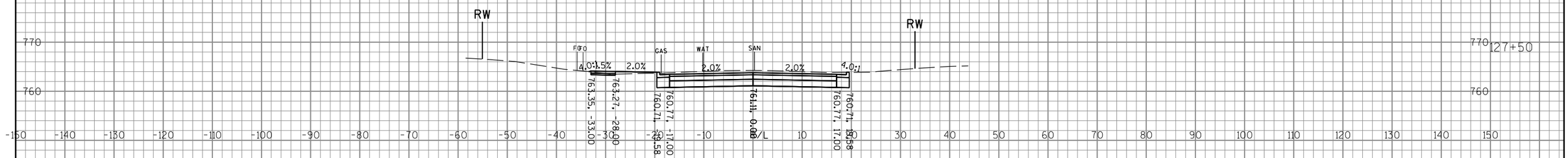
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 43RD ST	SHEET 387	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\12.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 127+87.23





9

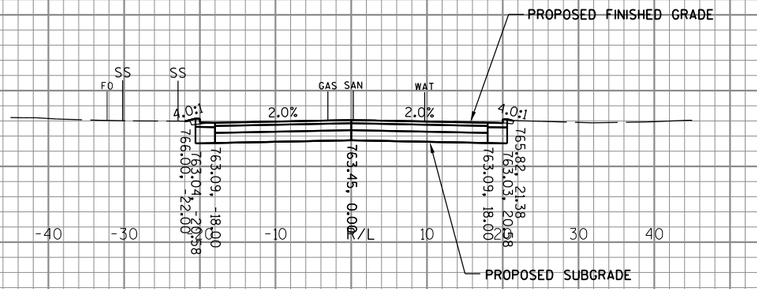
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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 43RD ST	SHEET 388	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\12.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

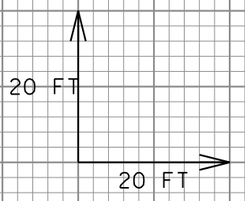
WISDOT/CADDS SHEET 49

MATCH EDGERTON AVE STA 9+56.00





BEGIN CONSTRUCTION STA 9+51.66

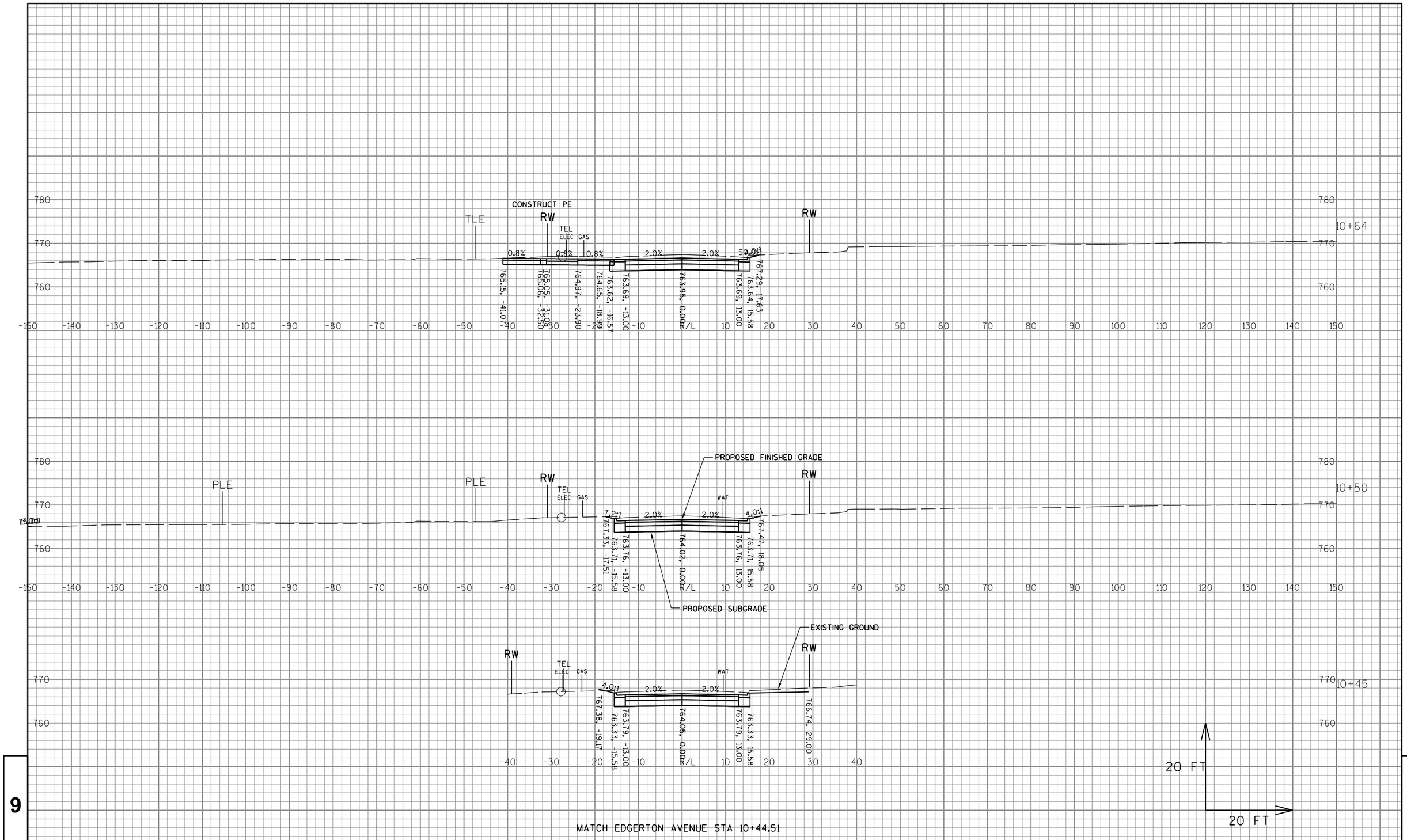


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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S HONEYCREEK DR	SHEET 389	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\13.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96



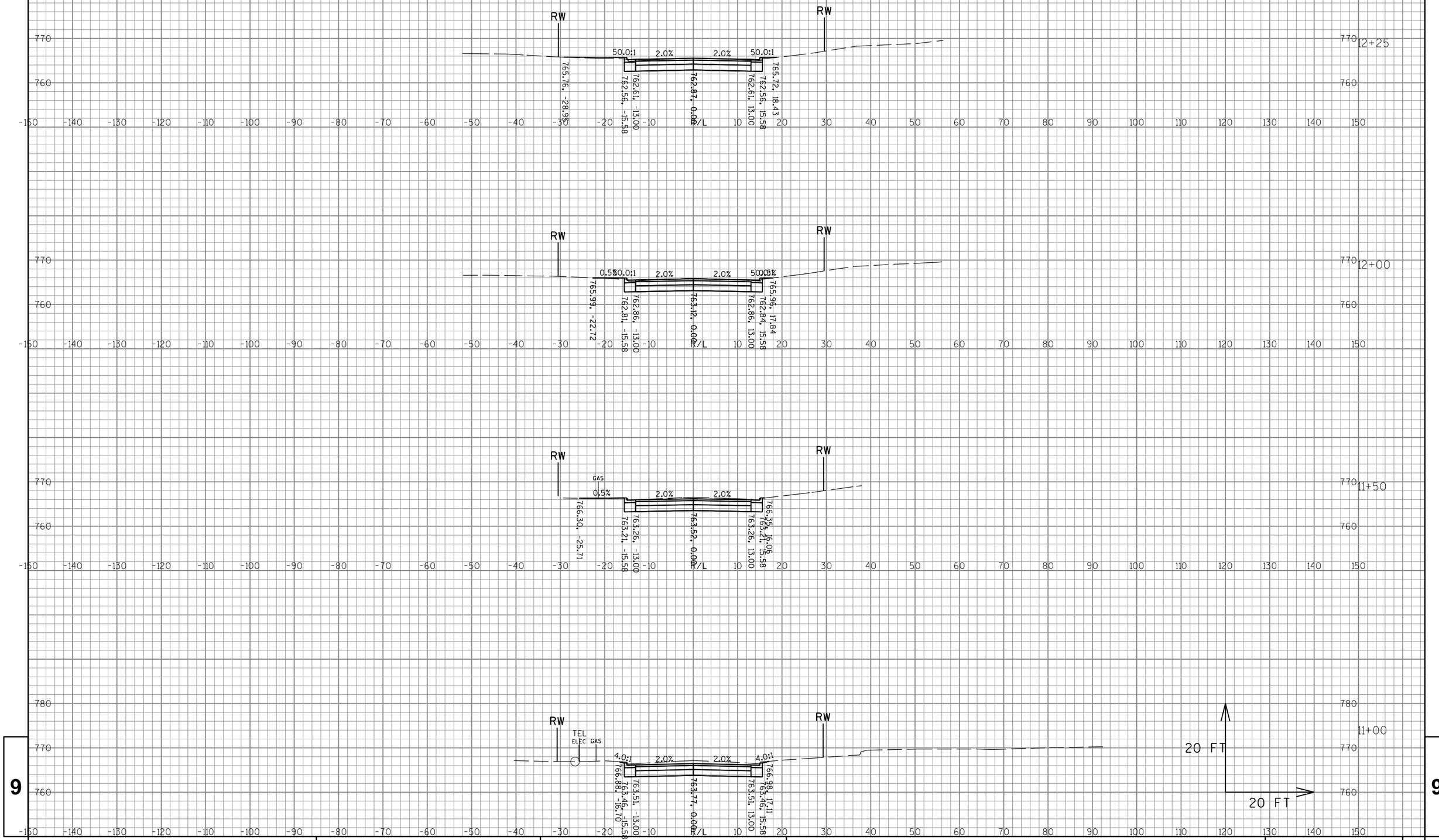
MATCH EDGERTON AVENUE STA 10+44.51

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 41ST ST	SHEET 390	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\14.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 12+25.00



9

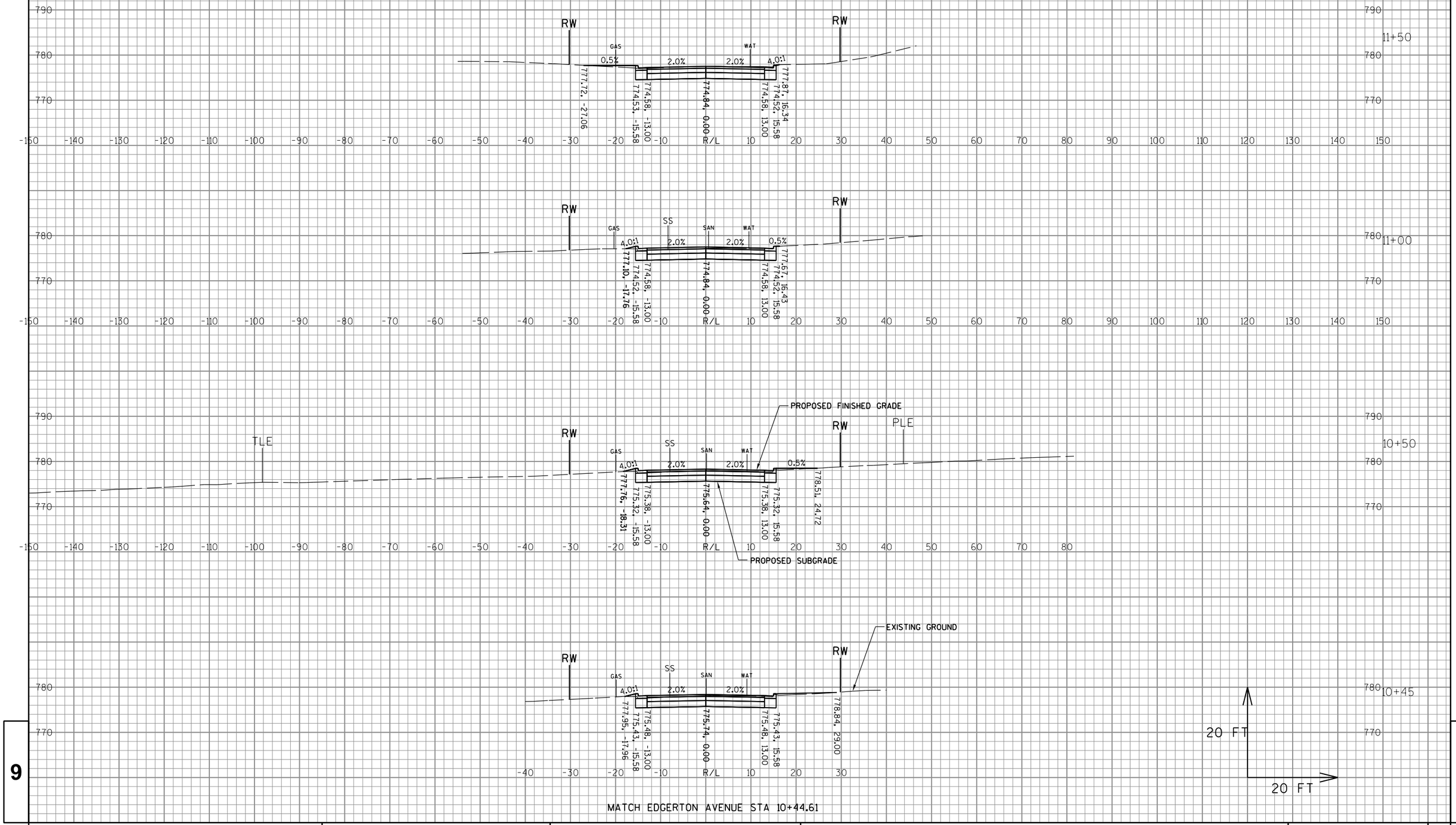
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 41ST ST	SHEET 391	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\14.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 11+50.00



MATCH EDGERTON AVENUE STA 10+44.61

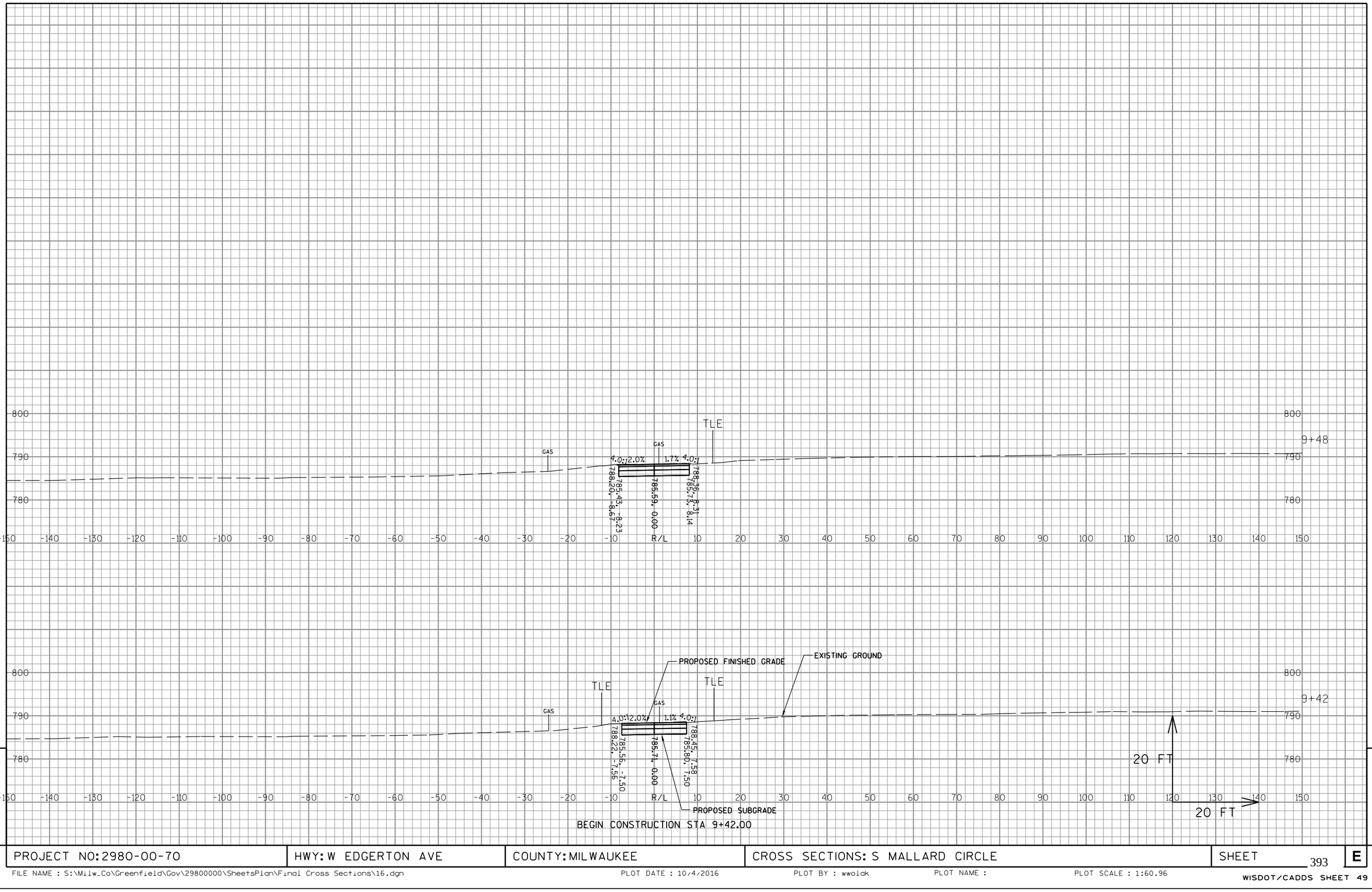
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 40TH STREET	SHEET 392	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\15.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

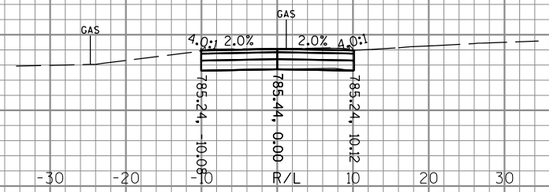


9 9

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S MALLARD CIRCLE	SHEET 393	E

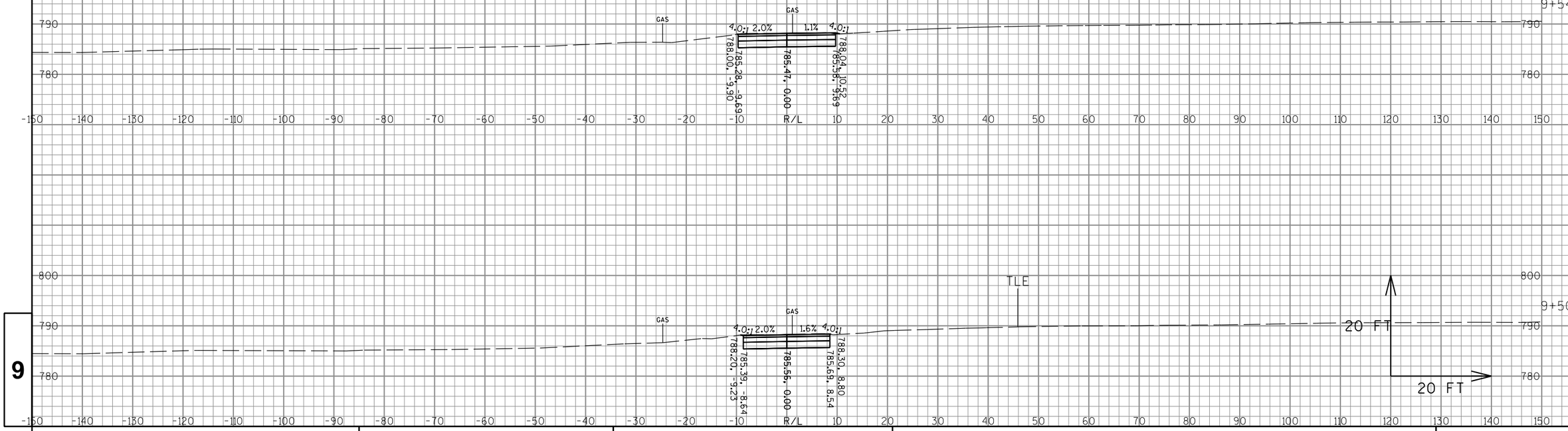
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MATCH EDGERTON AVE STA 9+56.00



9+56

9+54



9+50

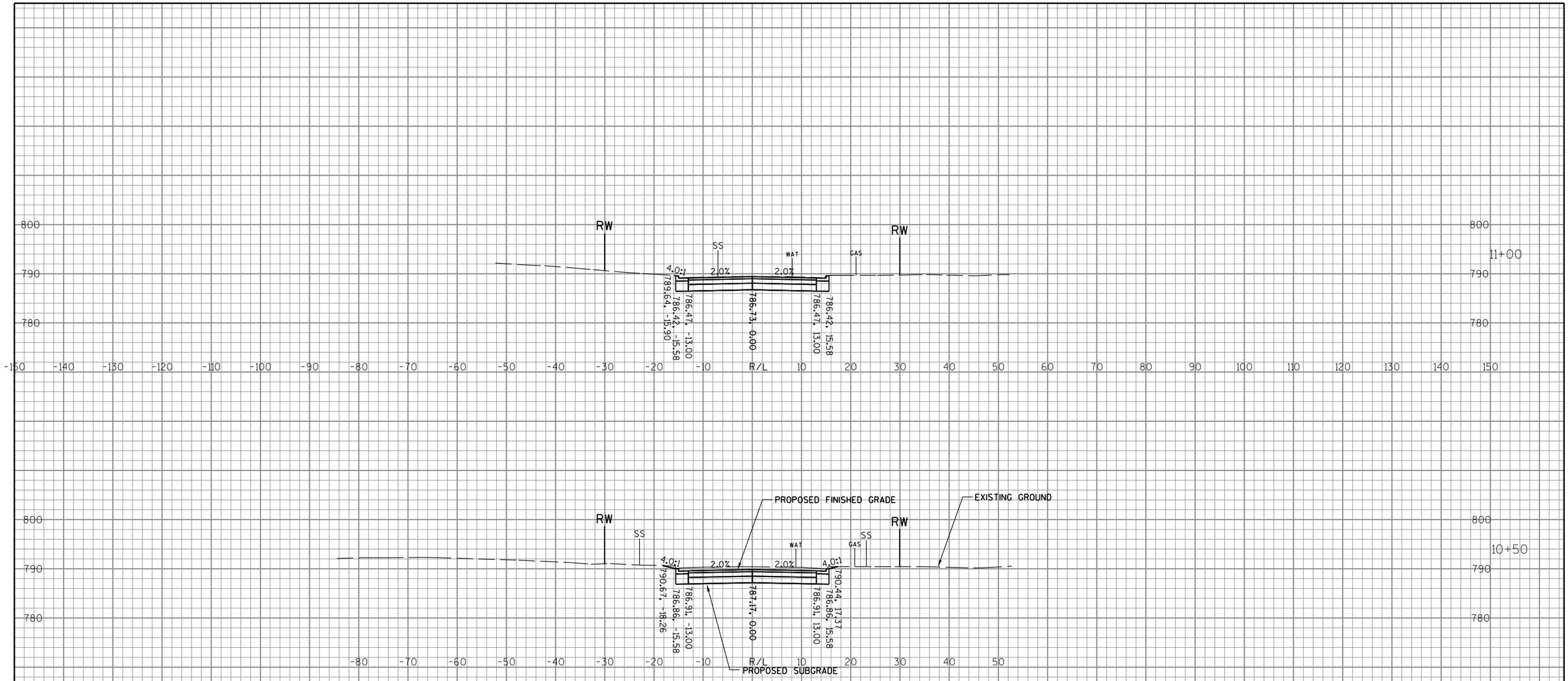
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S MALLARD CIRCLE	SHEET 394	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\16.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 37TH ST (NORTH)	SHEET 395	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\17.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

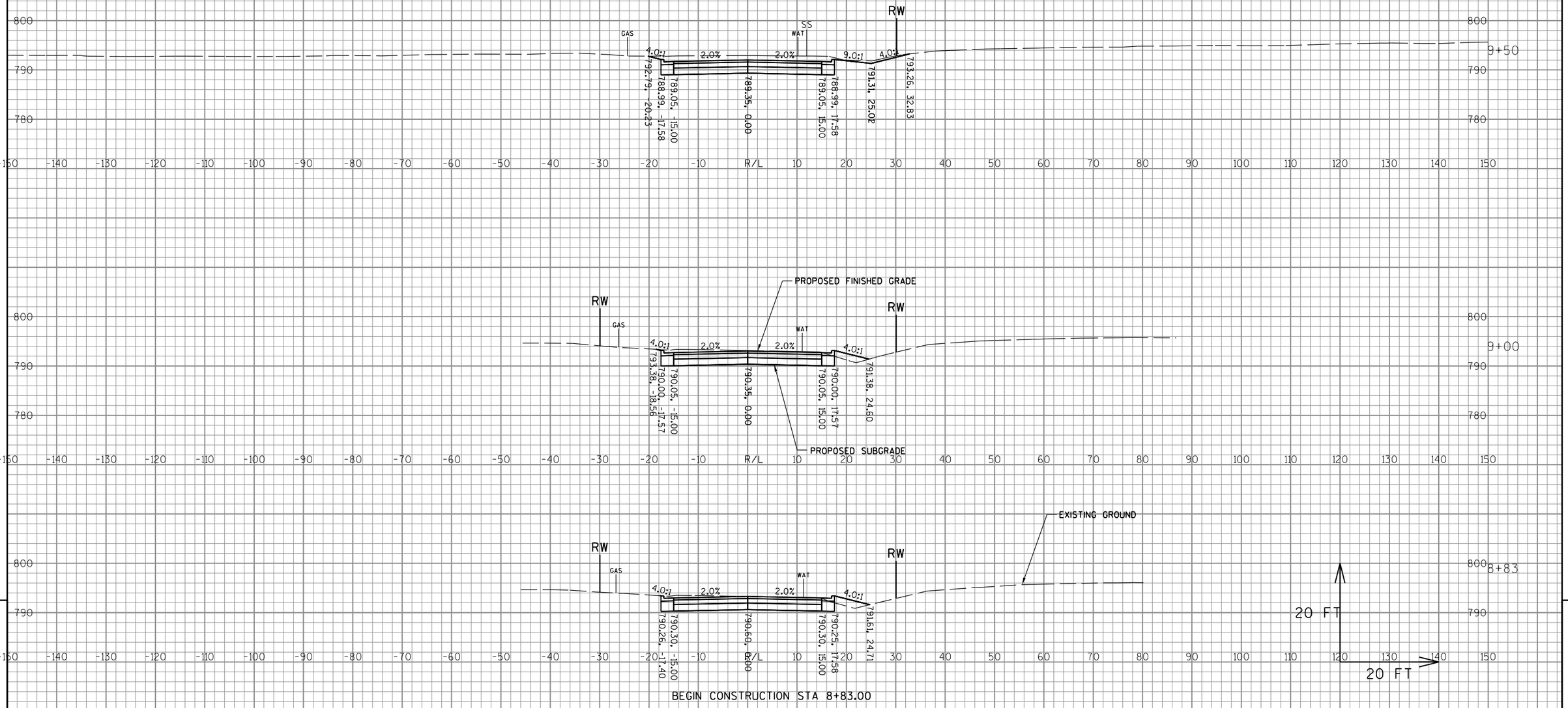
END CONSTRUCTION STA 11+10.00



9

9

PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 37TH ST (NORTH)	SHEET 396	E



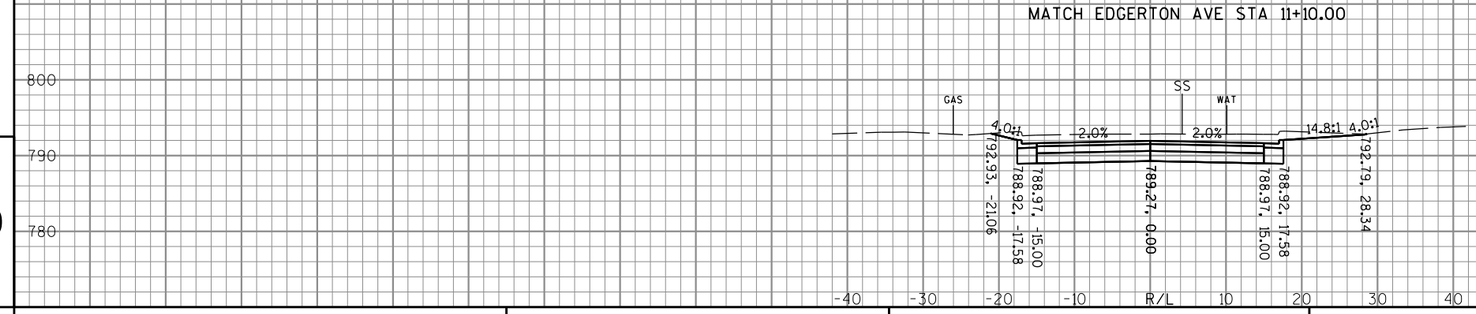
BEGIN CONSTRUCTION STA 8+83.00

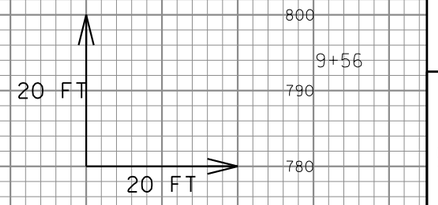
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 37TH ST (SOUTH)	SHEET 397	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\18.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

MATCH EDGERTON AVE STA 11+10.00





9

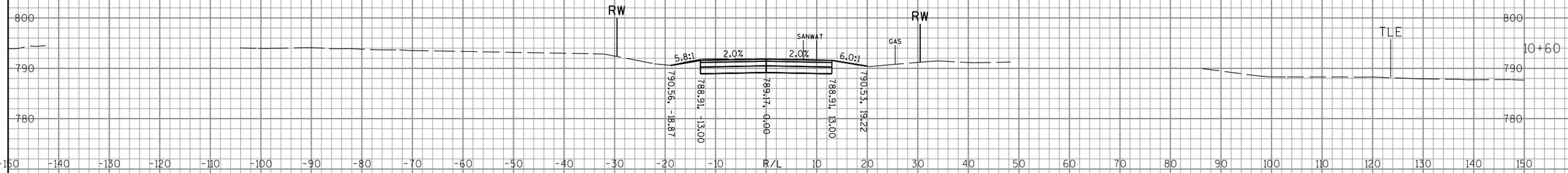
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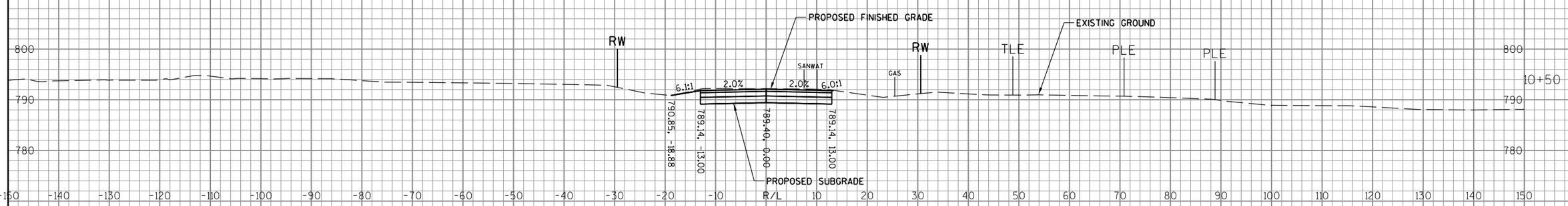
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 37TH ST (SOUTH)	SHEET 398	E

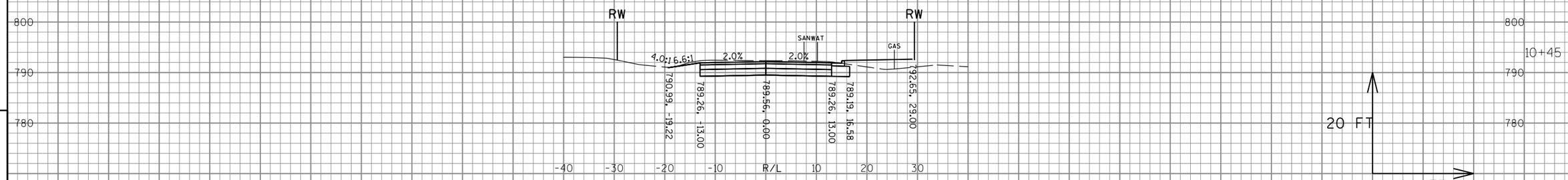
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WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 10+60.00





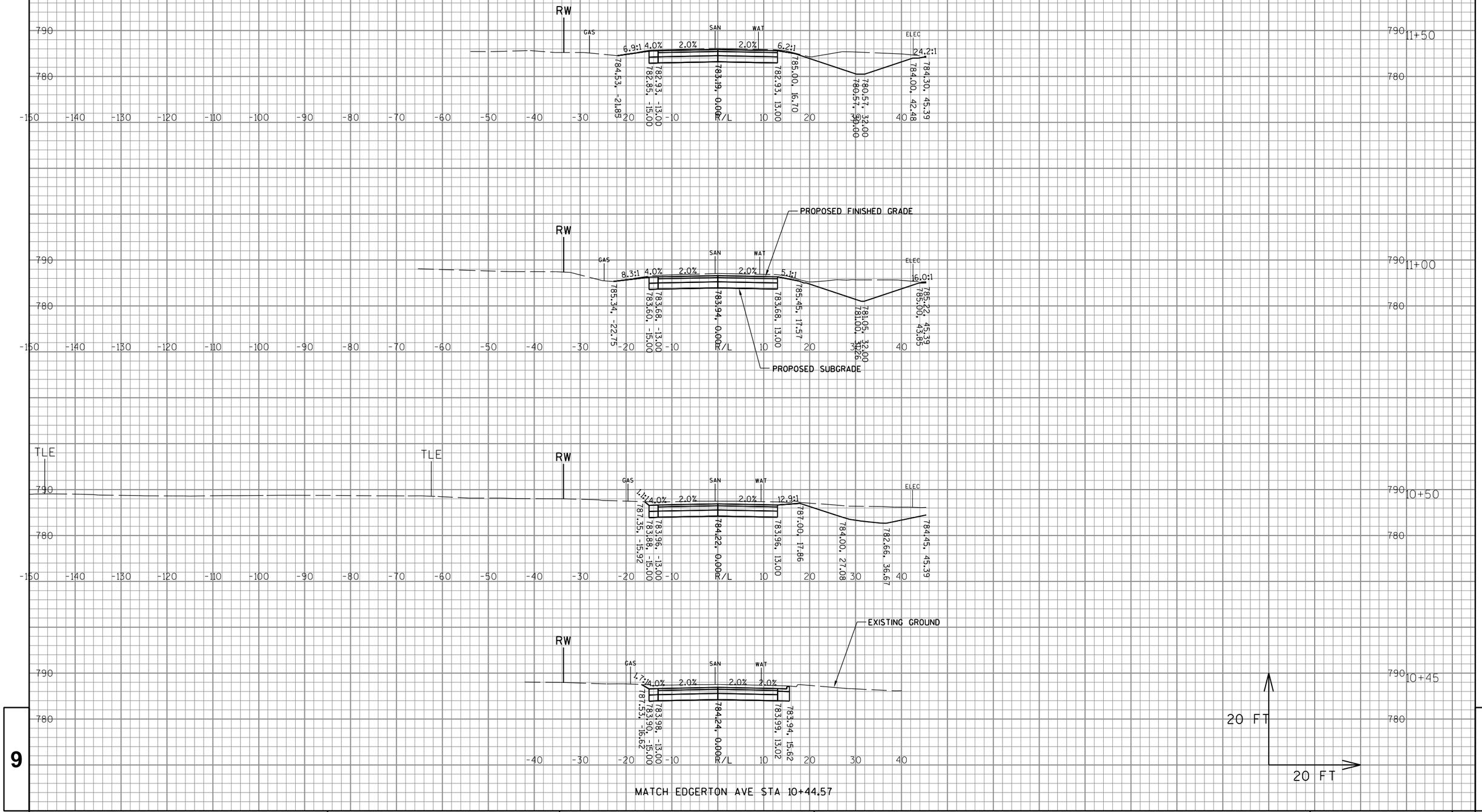


MATCH EDGERTON AVE STA 10+45.00

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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 36TH ST	SHEET 399	E

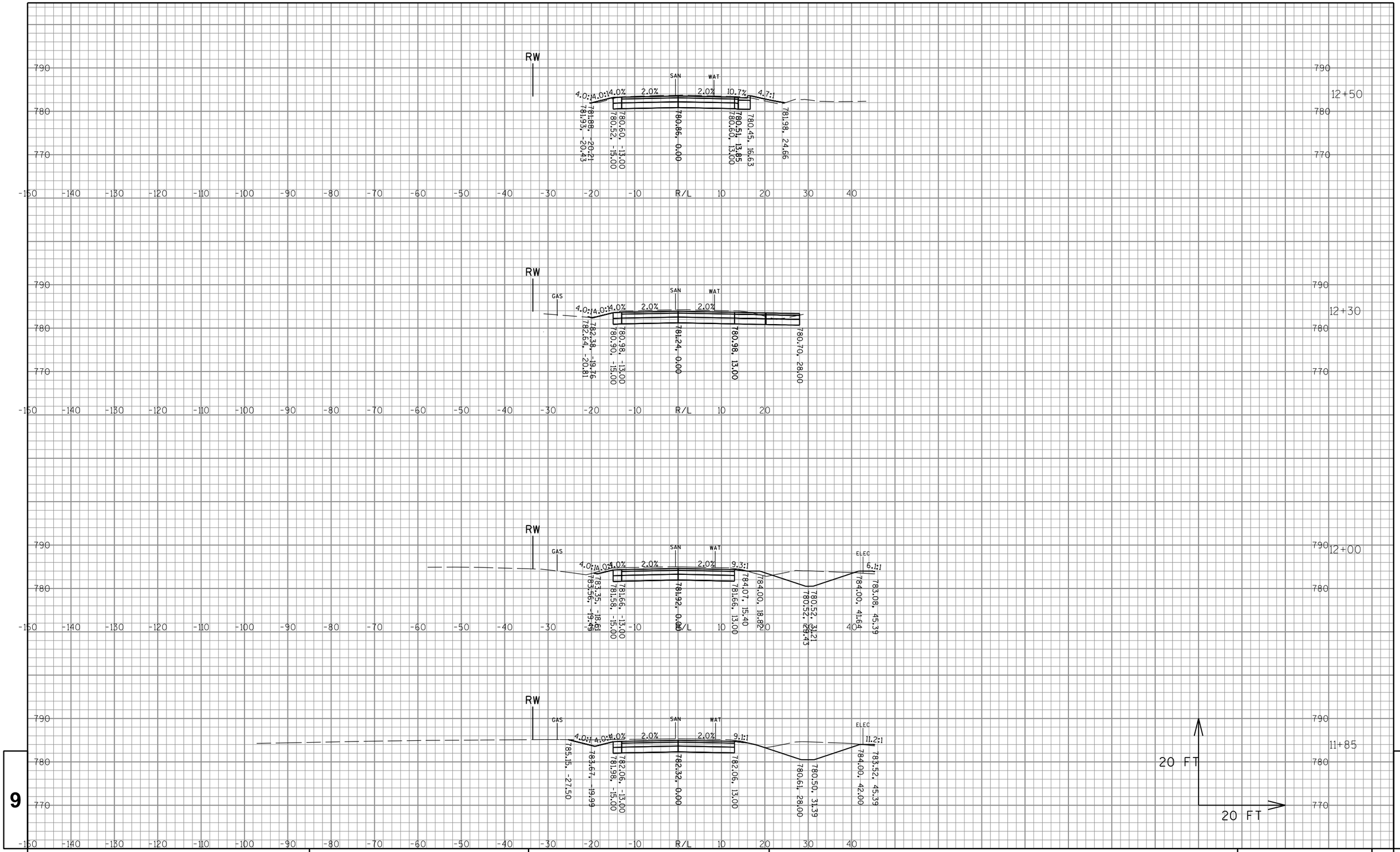


MATCH EDGERTON AVE STA 10+44.57

9

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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 35TH ST	SHEET 400	E



9

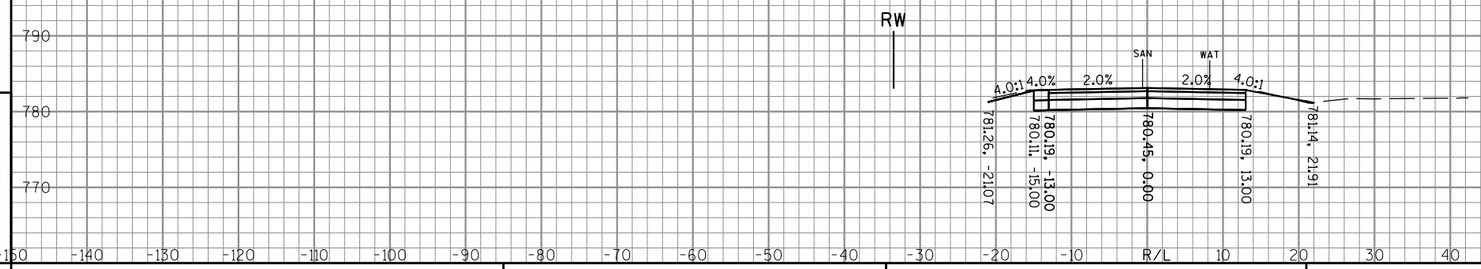
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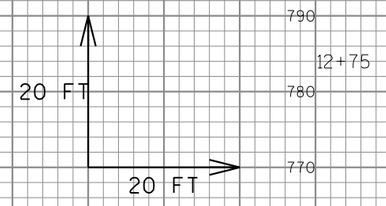
FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\20.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

9

END CONSTRUCTION STA 12+74.80





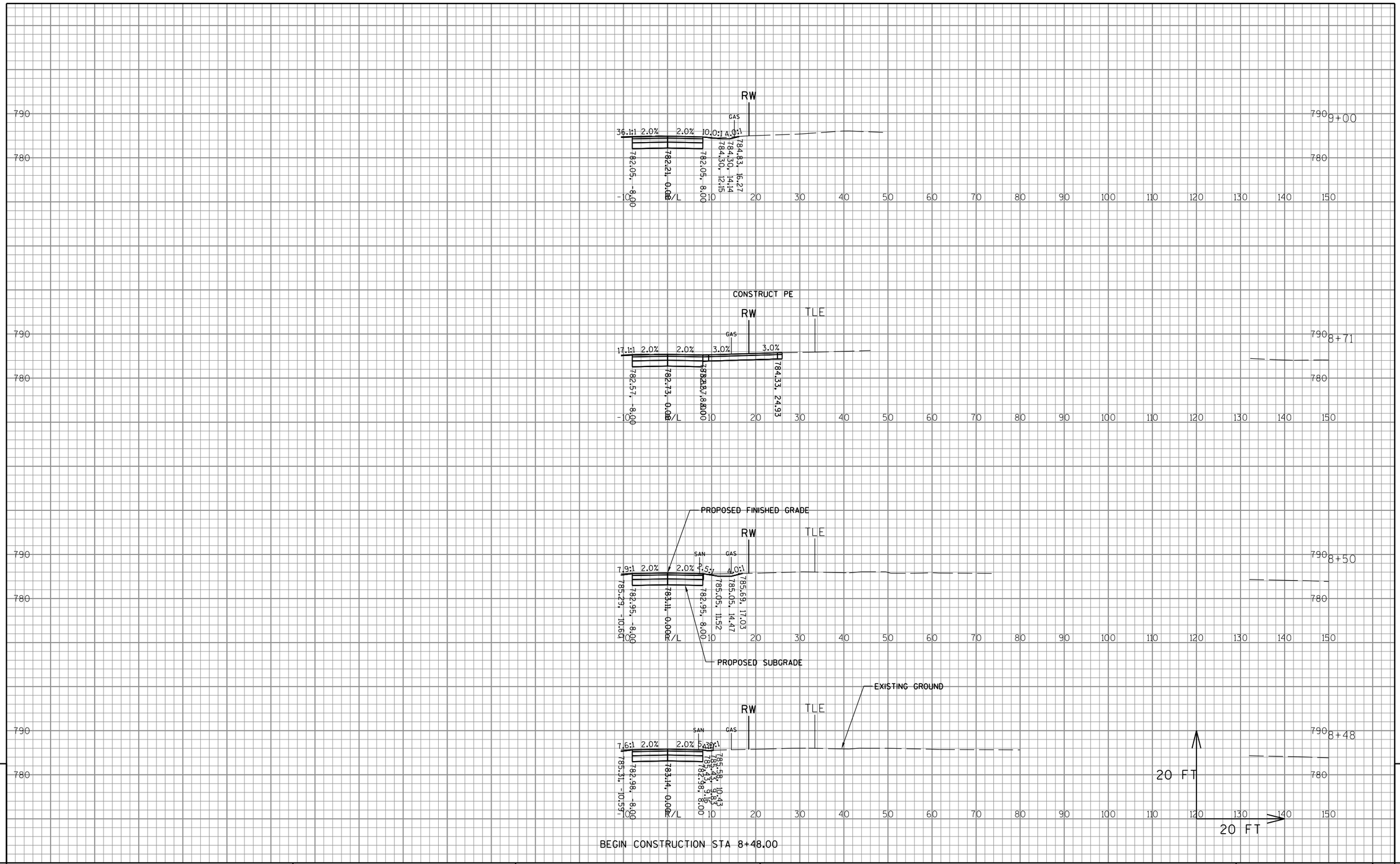
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 35TH ST	SHEET 402	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\20.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



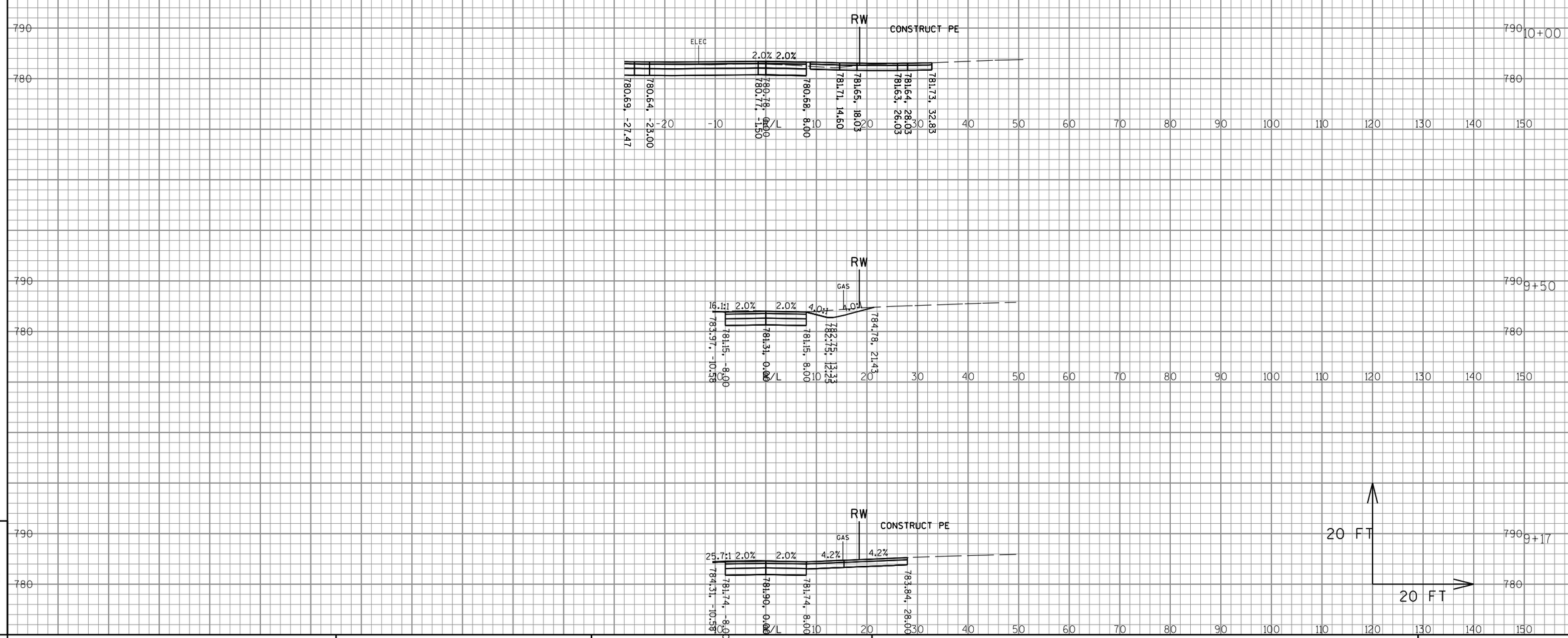
BEGIN CONSTRUCTION STA 8+48.00

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 35TH STREET SERVICE DRIVE (SOUTH)	SHEET 403	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\22.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 10+00.00

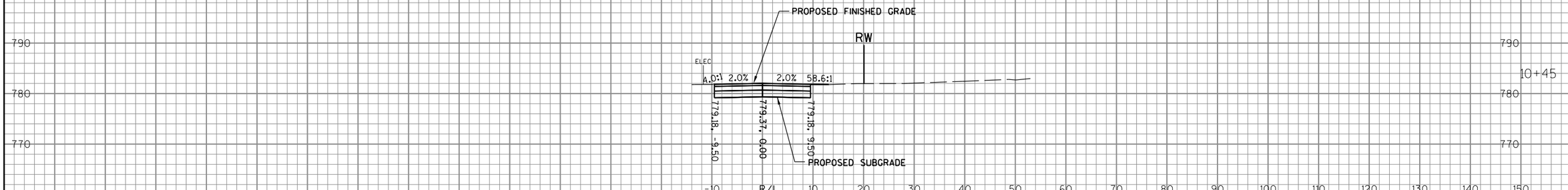


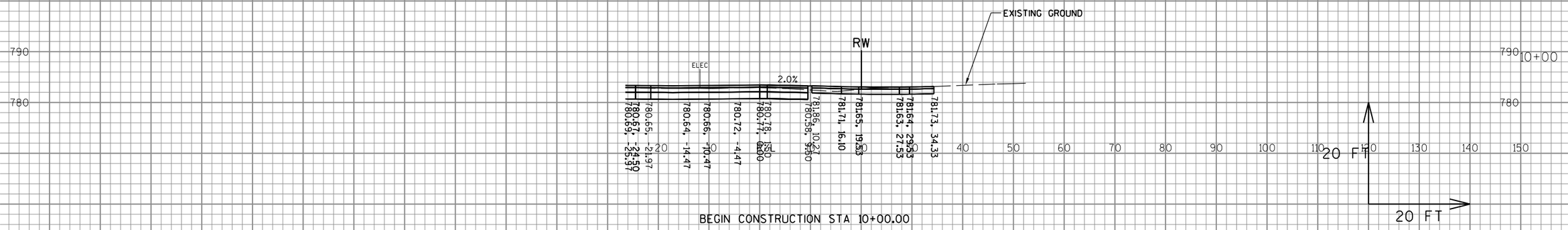
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 35TH STREET SERVICE DRIVE (SOUTH)	SHEET 404	E

BEGIN CONSTRUCTION STA 10+45.00





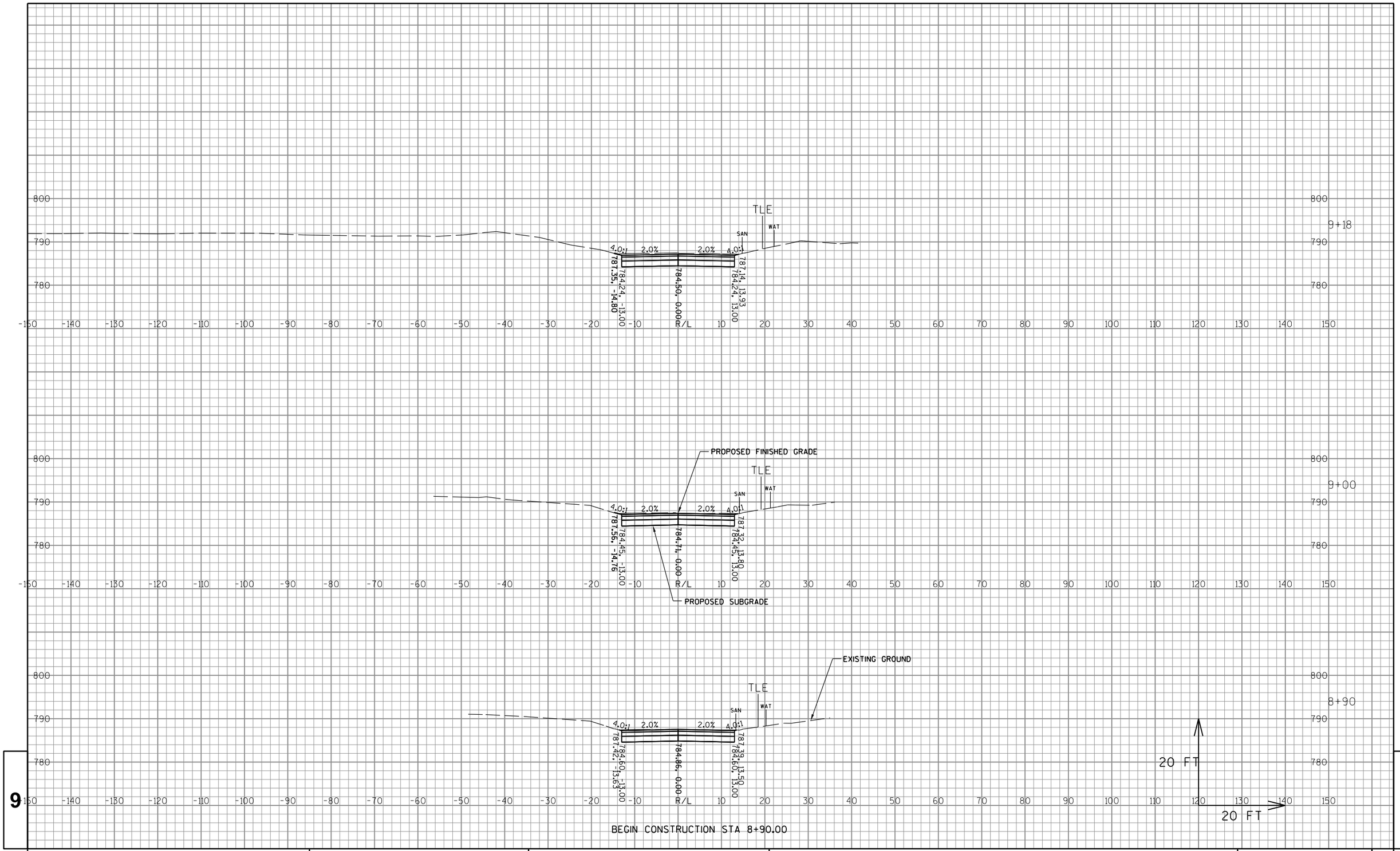
BEGIN CONSTRUCTION STA 10+00.00

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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 35TH ST SERVICE DR (NORTH)	SHEET 405	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\23.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

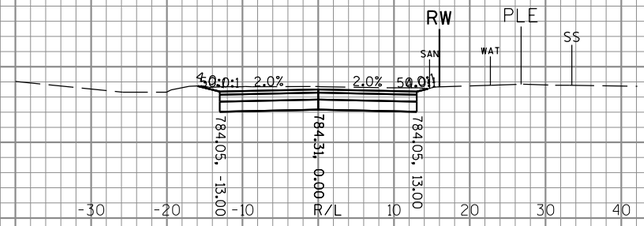


PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S HIDDEN DR	SHEET 406	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\24.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

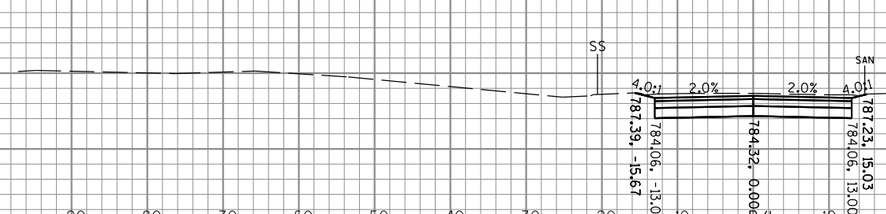
WISDOT/CADDS SHEET 49

MATCH EDGERTON AVENUE STA 9+55.00

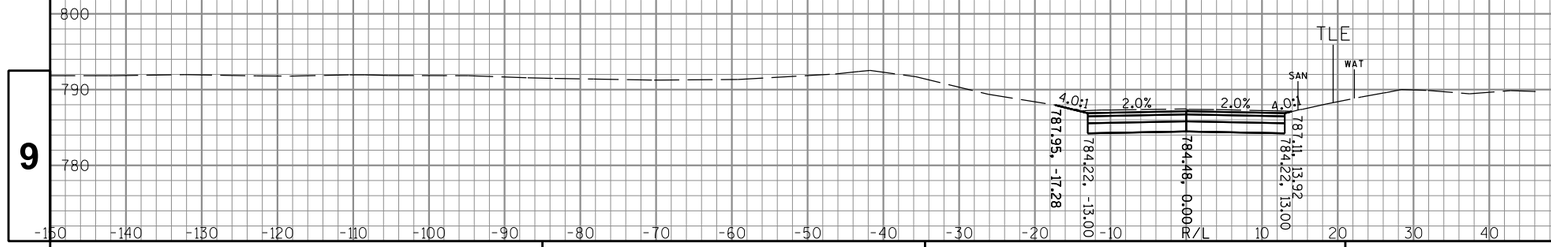


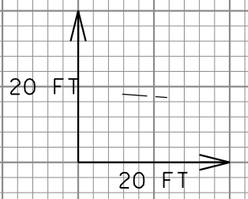
9+55

9+50



9+21



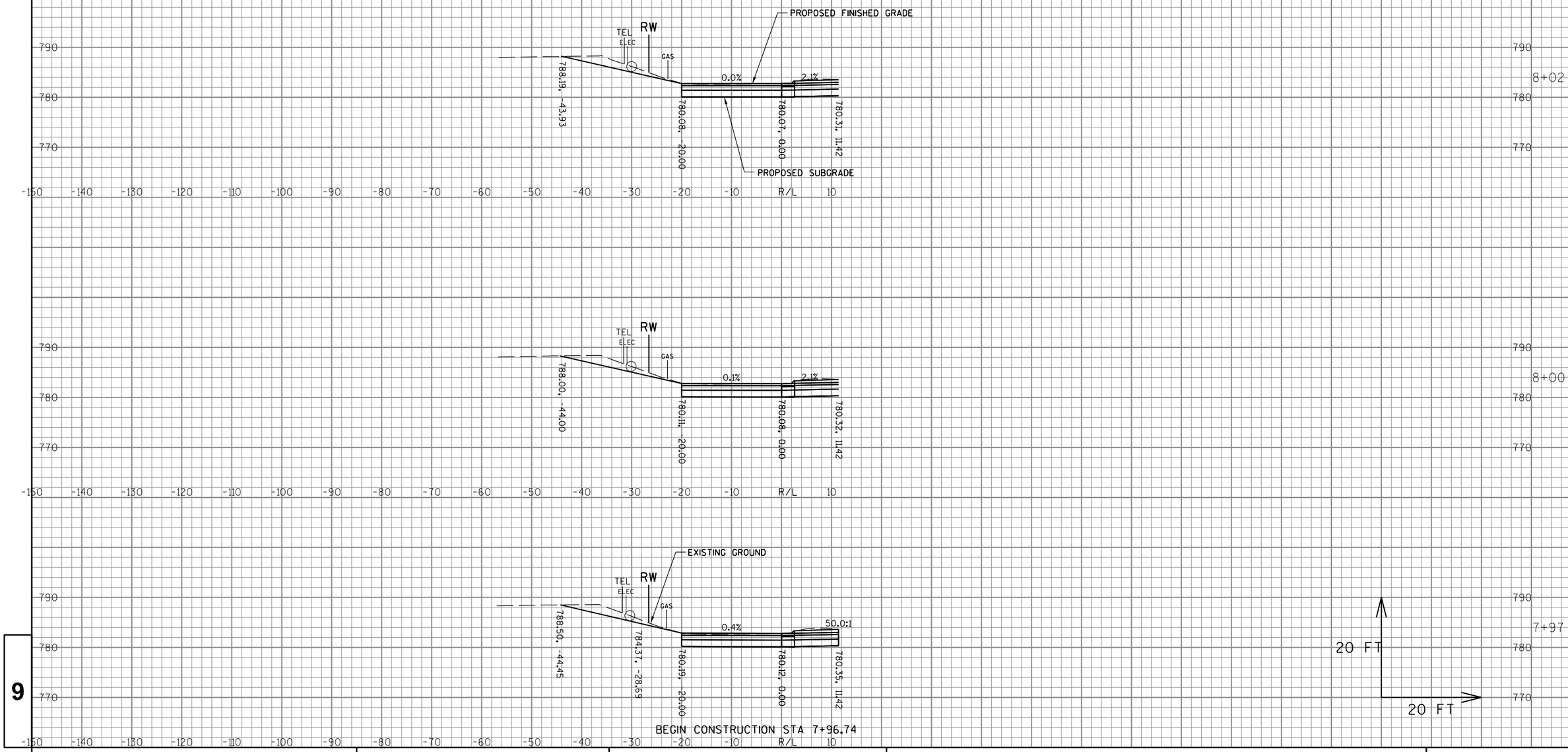


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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S HIDDEN DR	SHEET 407	E

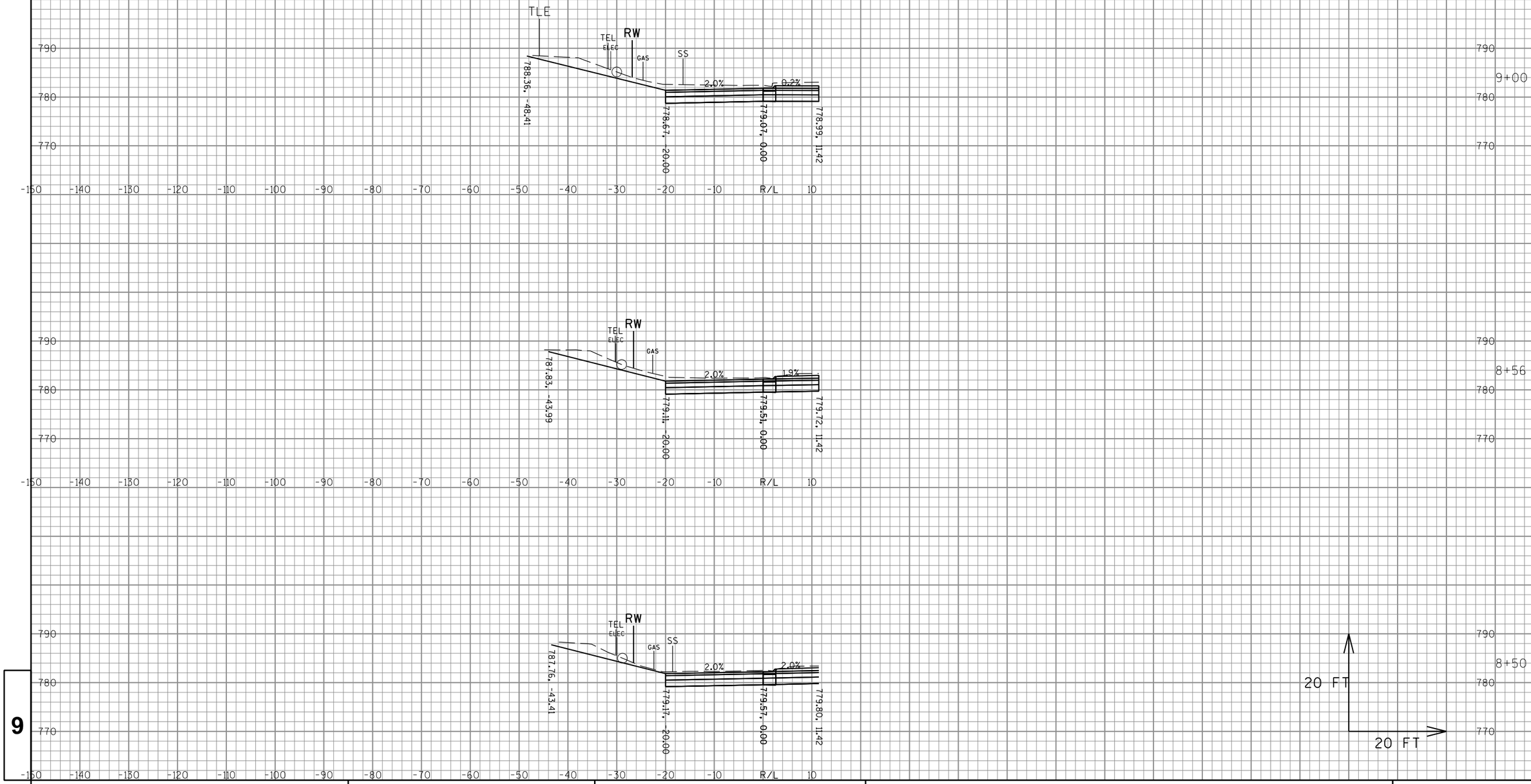
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S TUCKAWAY BLVD SB	SHEET 408 E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\25.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



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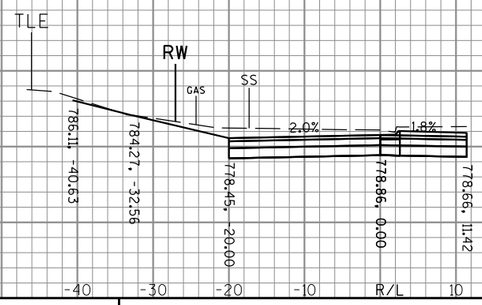
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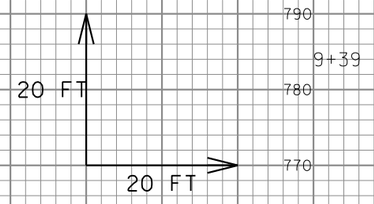
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FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\25.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

MATCH EDGERTON AVE STA 9+39.09





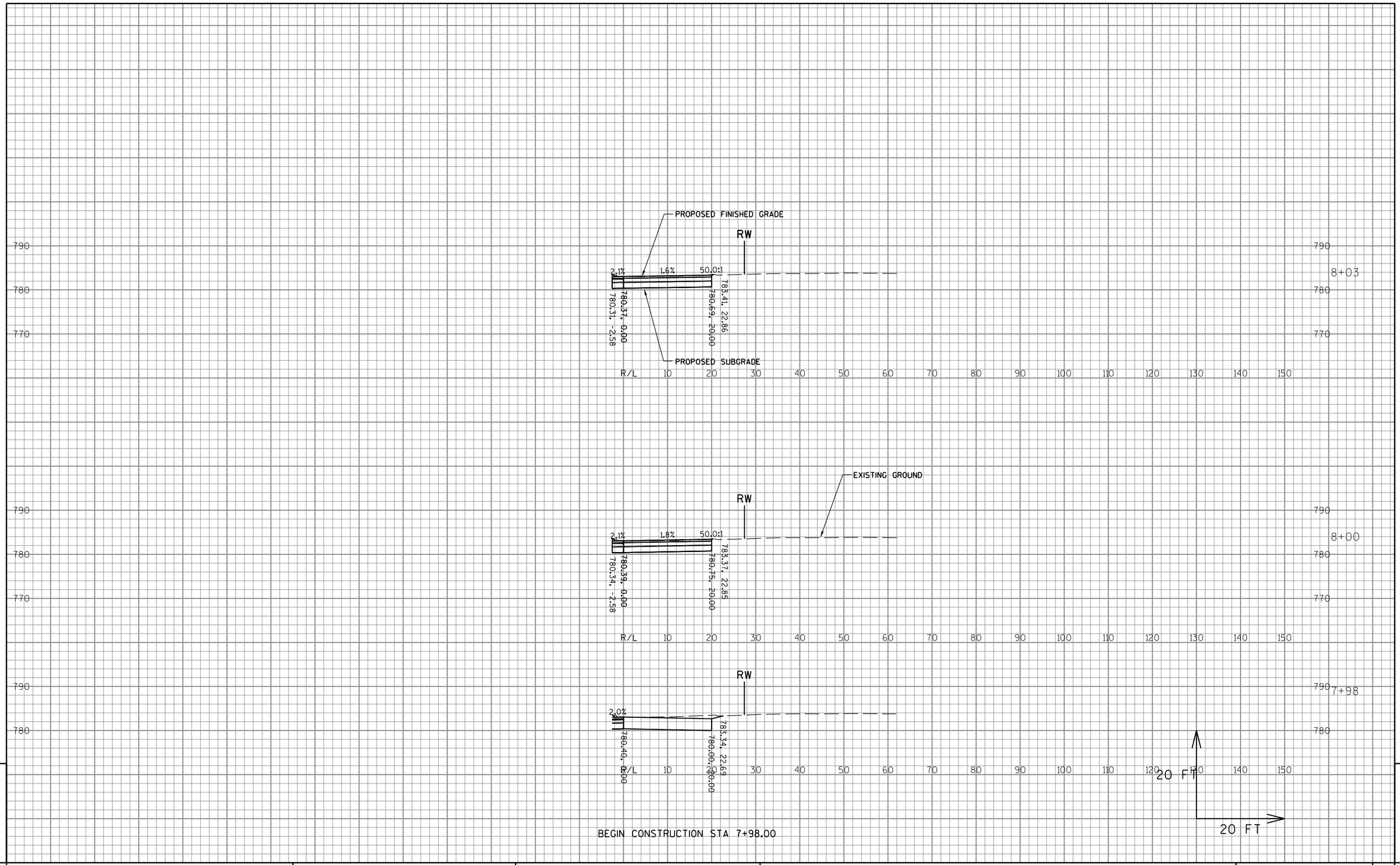
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S TUCKAWAY BLVD SB	SHEET 410	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\25.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



BEGIN CONSTRUCTION STA 7+98.00

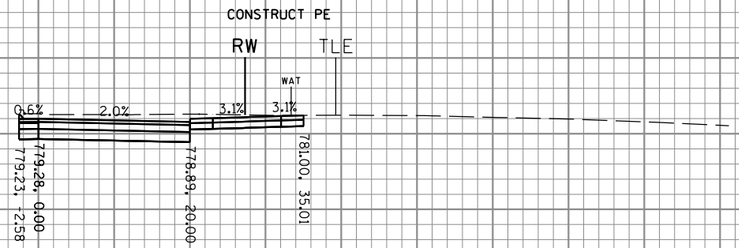
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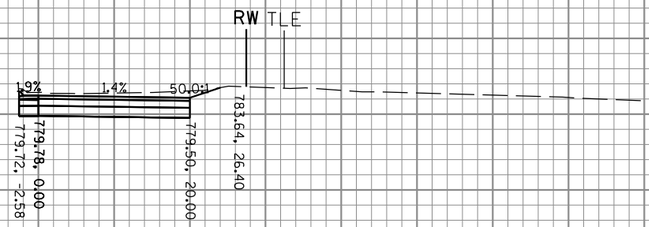
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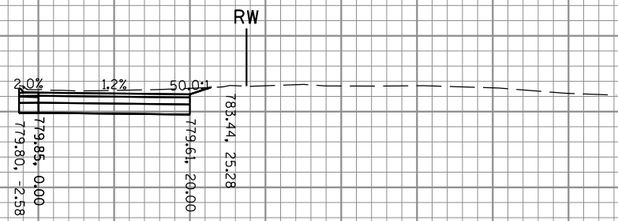
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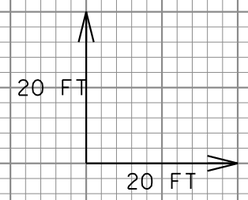
FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\26.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49









790 780 770 R/L 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 — 8+86

790 780 770 R/L 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 — 8+55

790 780 770 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 — 8+50

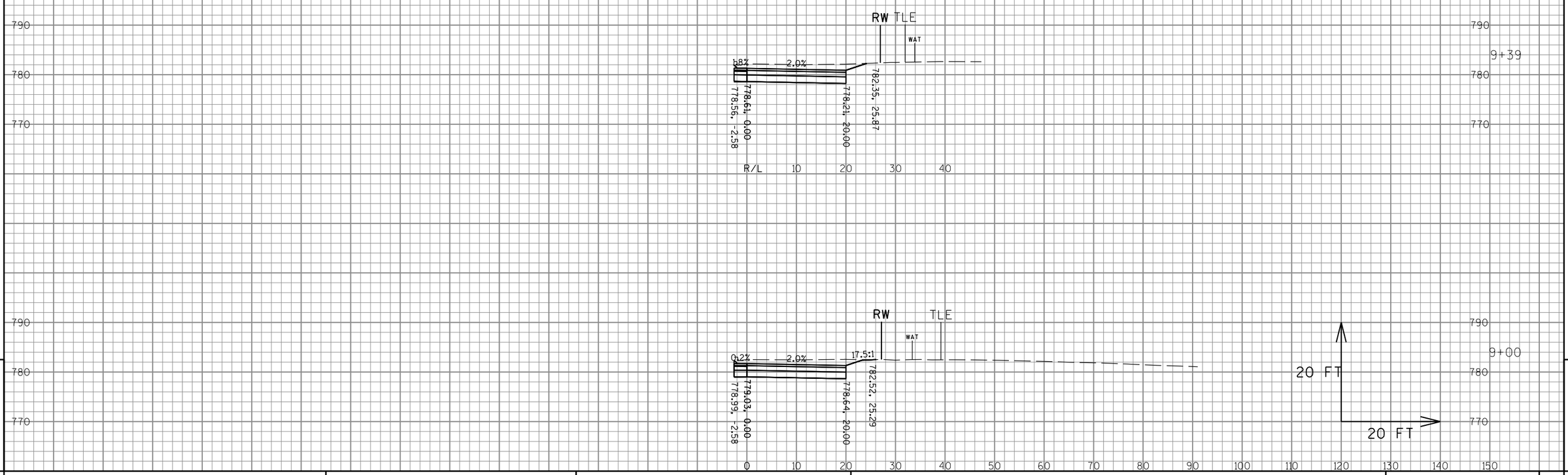
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S TUCKAWAY BLVD NB	SHEET 412	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\26.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

MATCH EDGERTON AVE STA 9+38.82

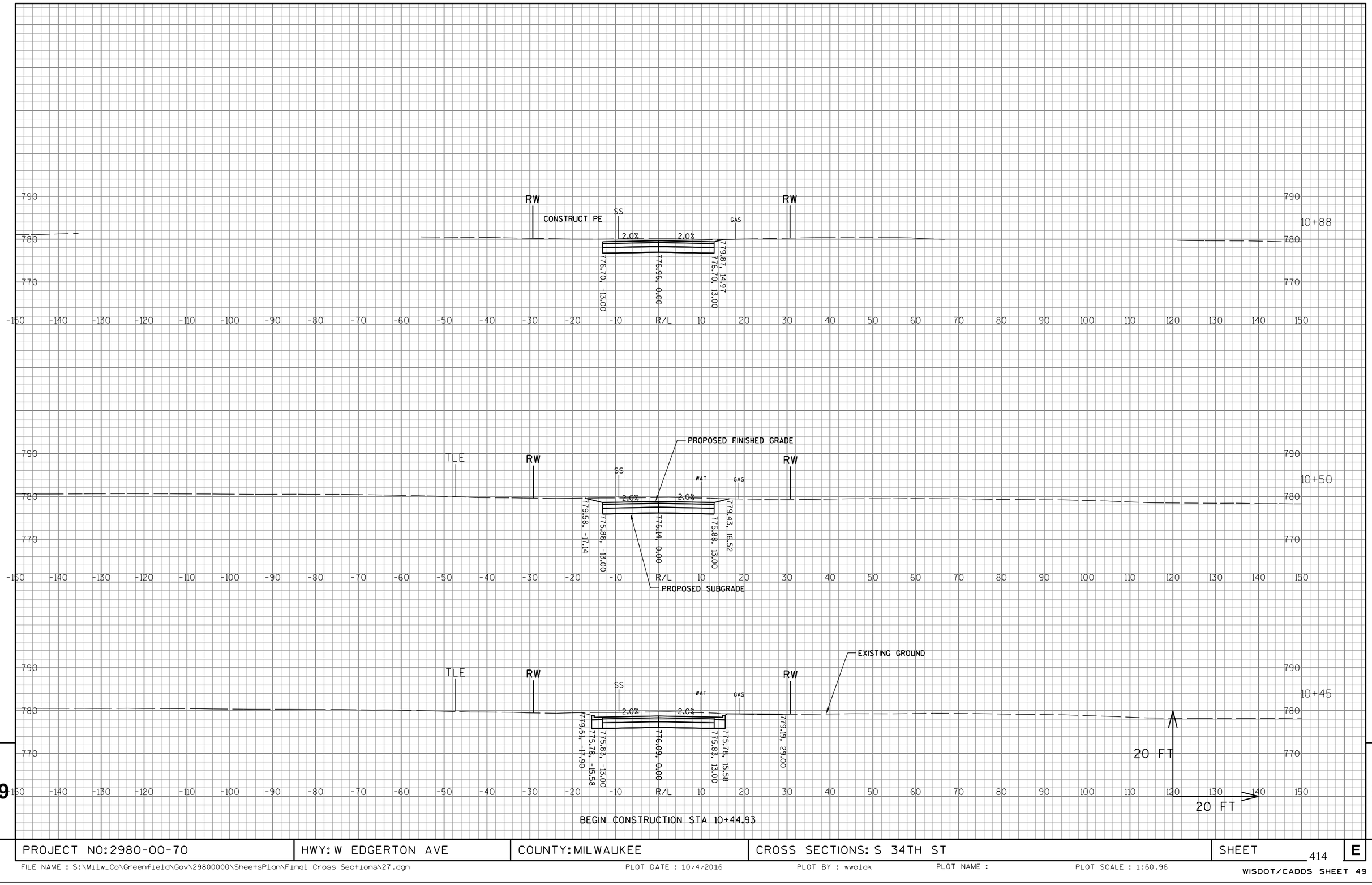


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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S TUCKAWAY BLVD NB	SHEET 413	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\26.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

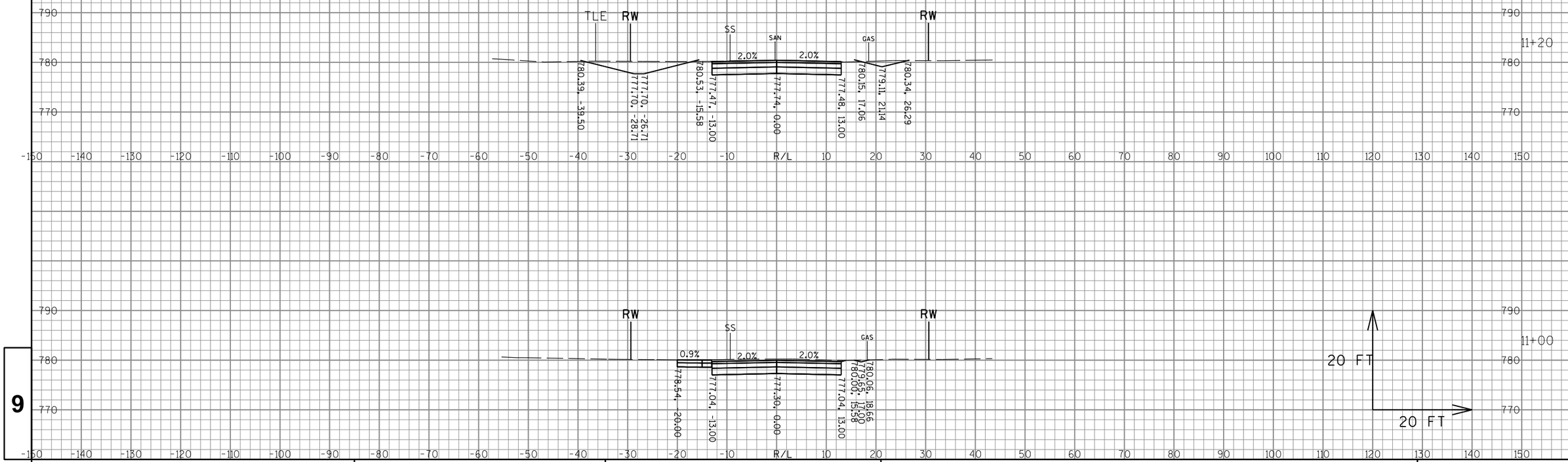


PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 34TH ST	SHEET 414	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\27.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

MATCH EDGERTON AVE STA 11+20.00



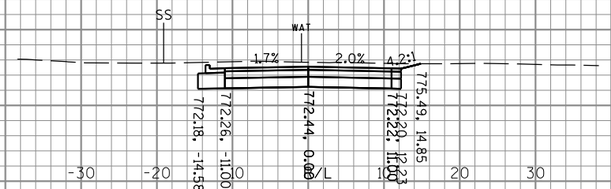
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 34TH ST	SHEET 415	E

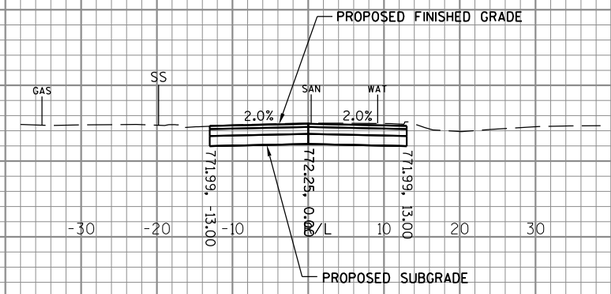
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WISDOT/CADDS SHEET 49

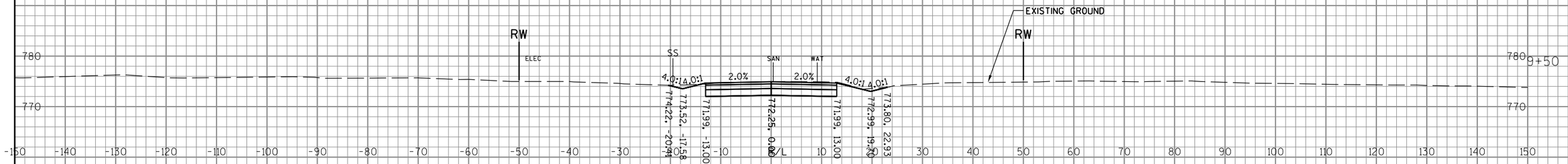


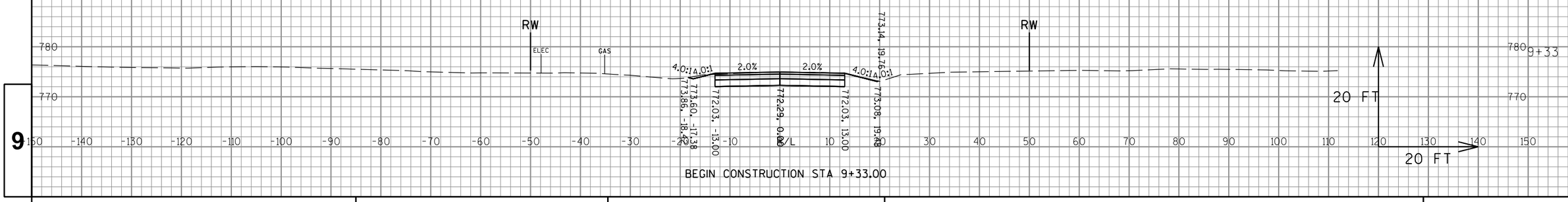
MATCH EDGERTON AVE STA 10+46.76

MATCH EDGERTON AVE STA 9+55.37



RW



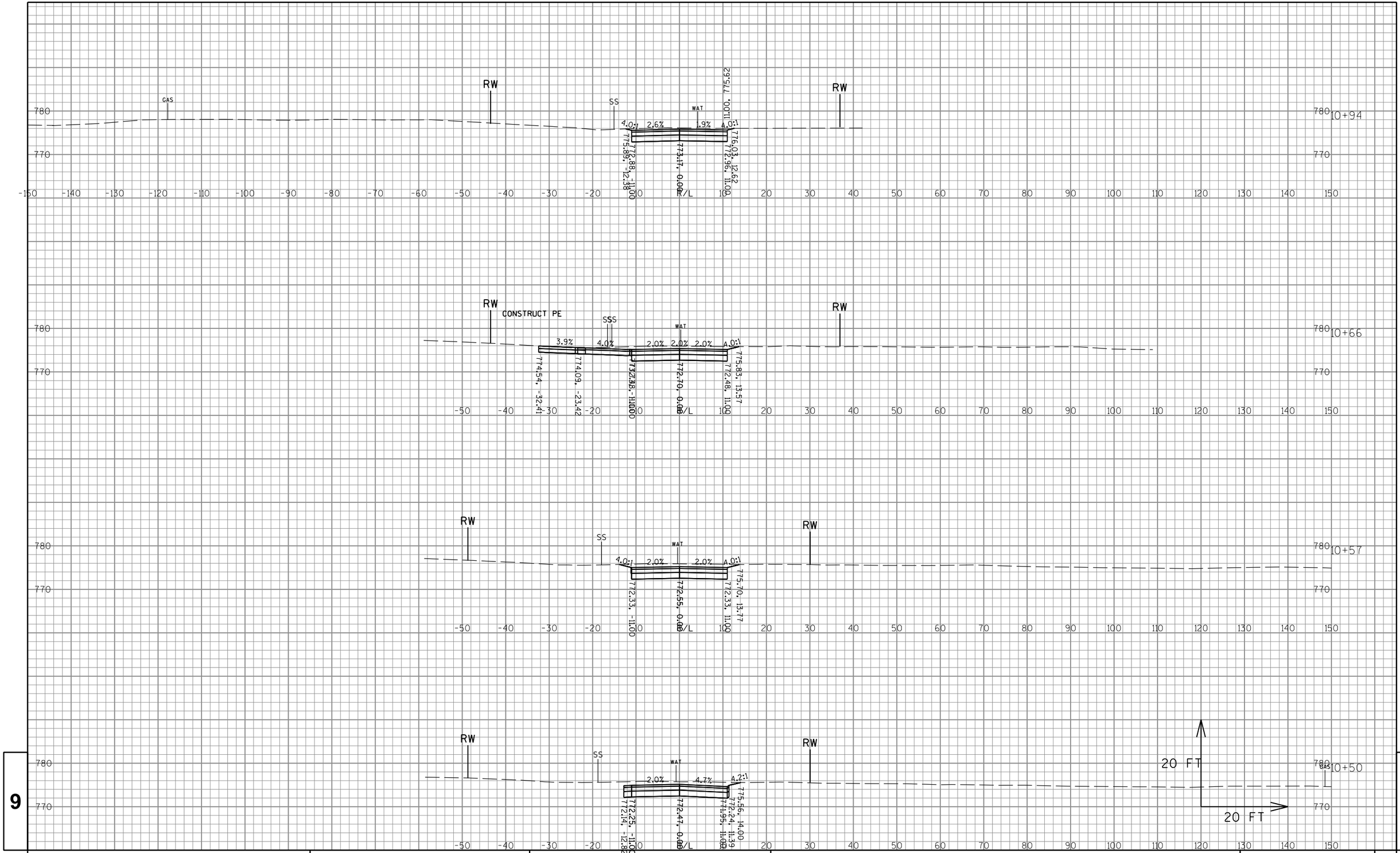


BEGIN CONSTRUCTION STA 9+33.00

9

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PROJECT NO: 2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 31ST ST	SHEET 416	E



9

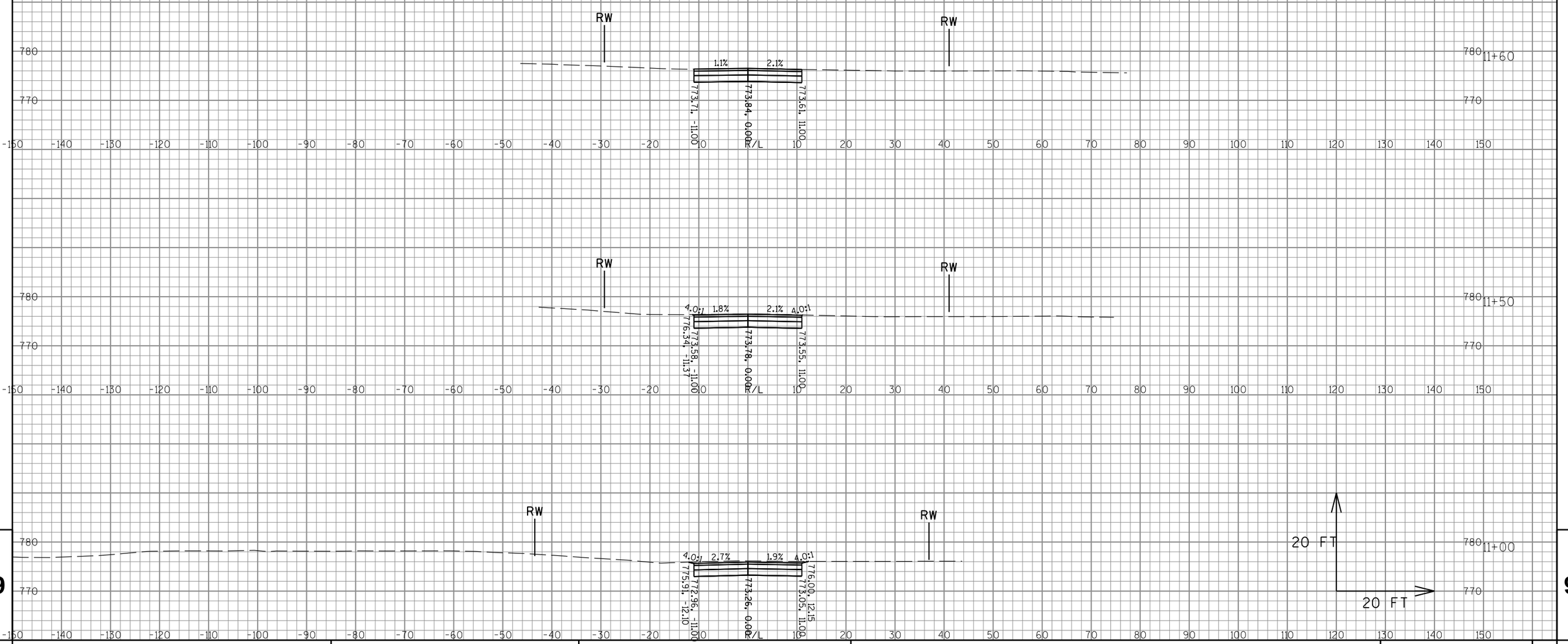
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 31ST ST	SHEET 417	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\28.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 11+60.00



9

9

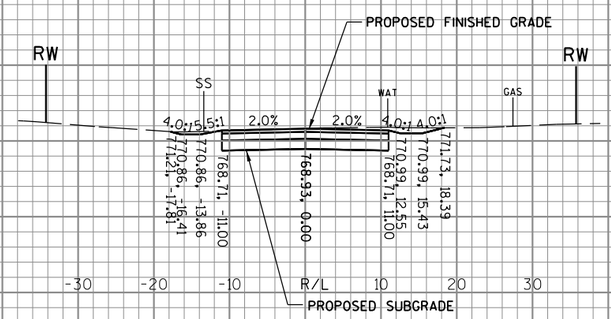
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 31ST ST	SHEET 418	E

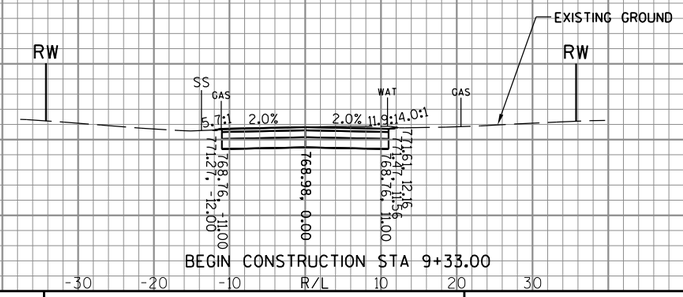
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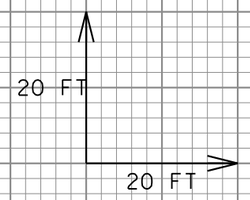
WISDOT/CADDS SHEET 49

MATCH EDGERTON AVE STA 9+55.36









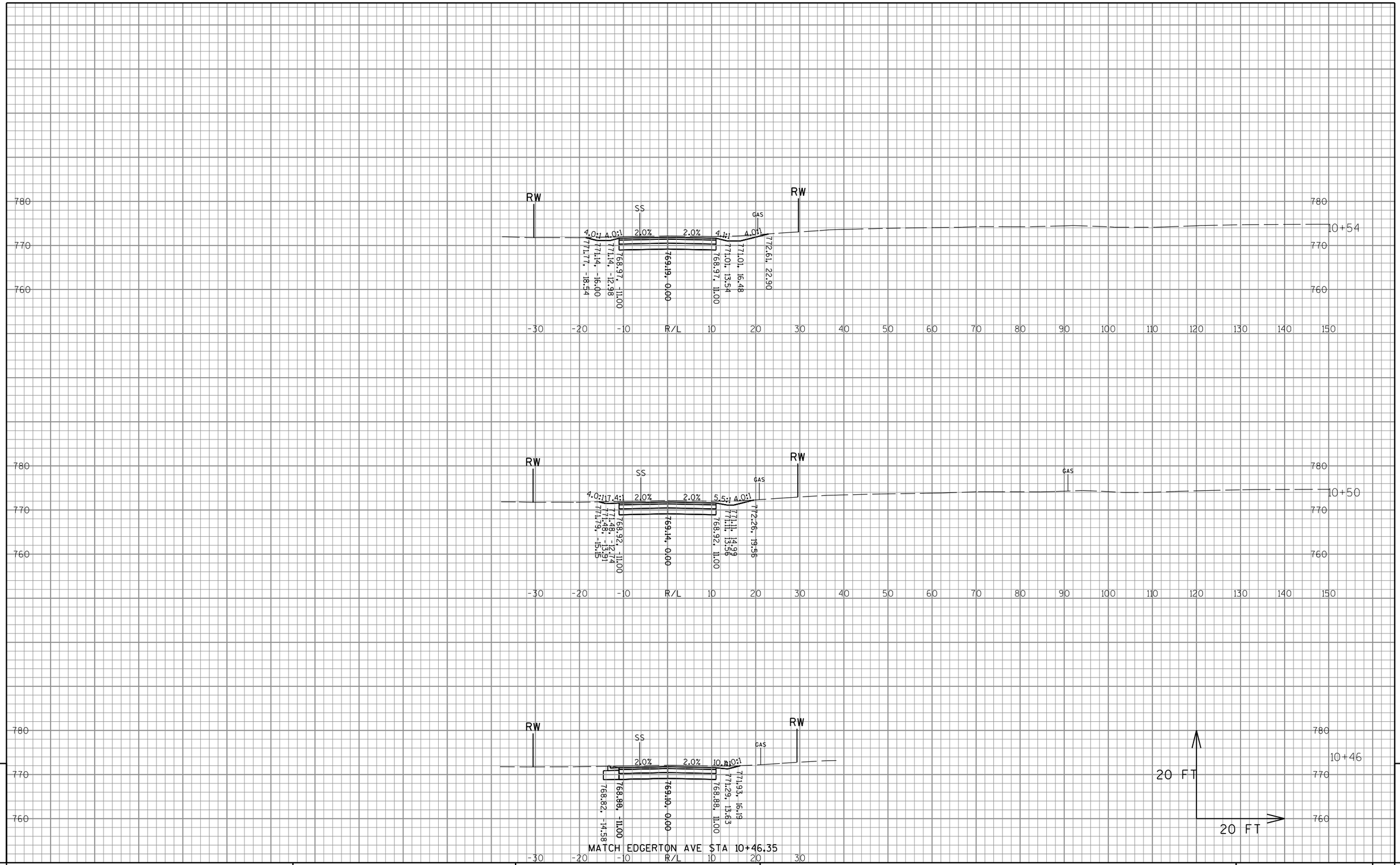
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 30TH ST	SHEET 419	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\29.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49



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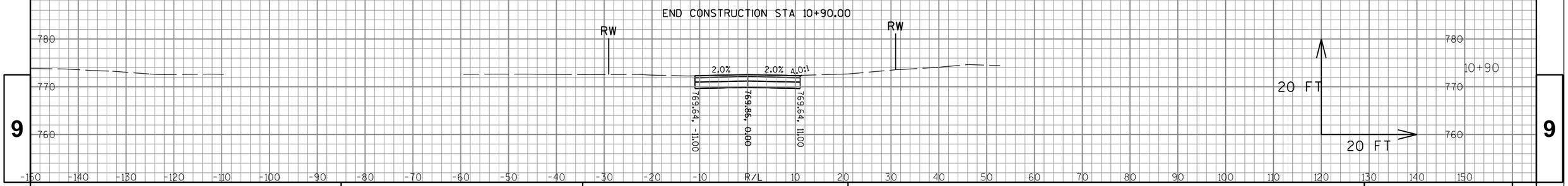
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S 30TH ST	SHEET 420	E

FILE NAME : S:\Milw_Co\Greenfield\Gov\29800000\SheetsPlan\Final Cross Sections\29.dgn PLOT DATE : 10/4/2016 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:60.96

WISDOT/CADDS SHEET 49

END CONSTRUCTION STA 10+90.00

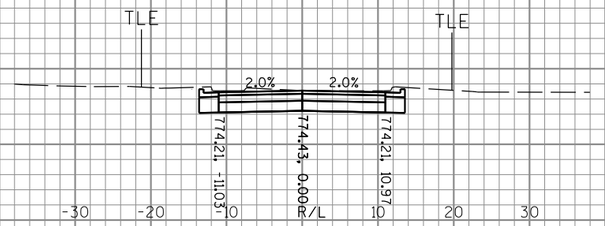


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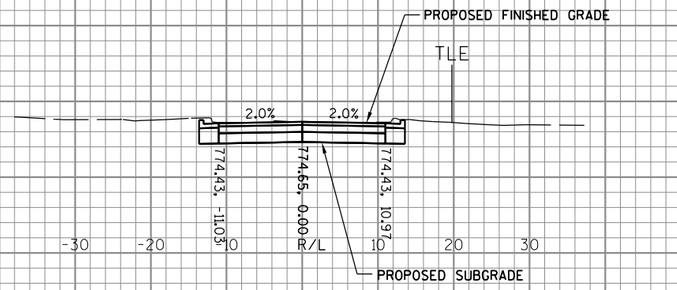
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PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY: MILWAUKEE	CROSS SECTIONS: S 30TH ST	SHEET 421	E

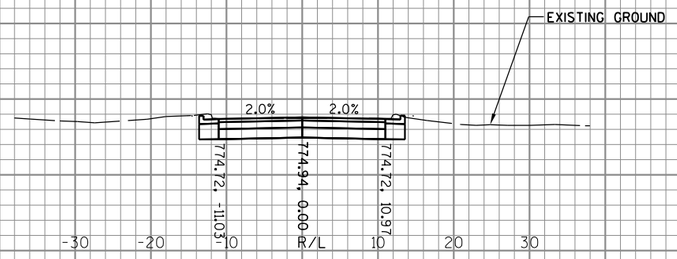
BEGIN CONSTRUCTION STA 5+54.73



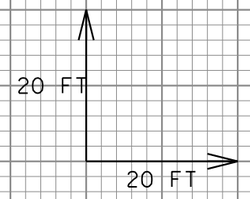
5+55



5+50



5+44



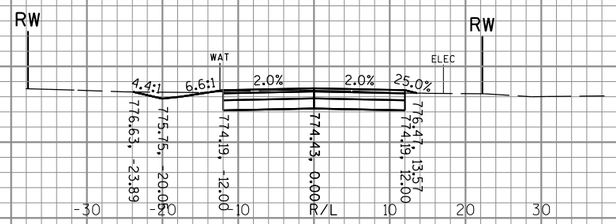
BEGIN CONSTRUCTION STA 5+44.01

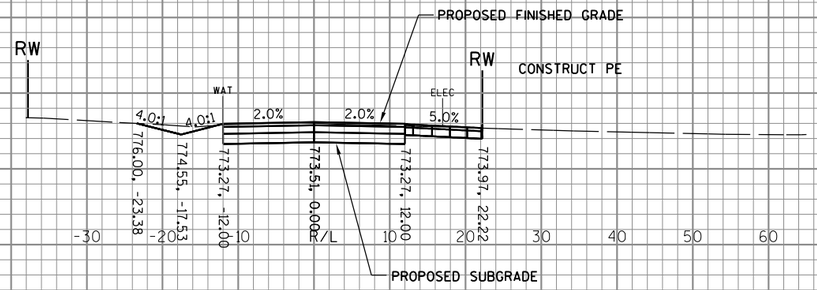
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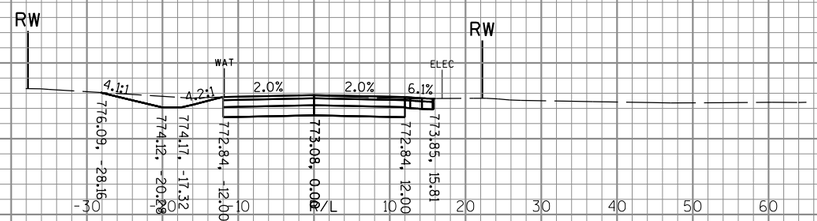
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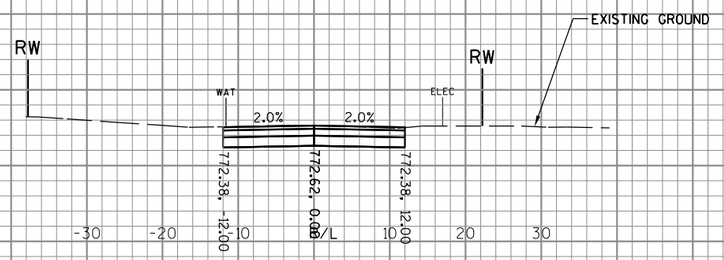
PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: FD DRIVE	SHEET 422	E

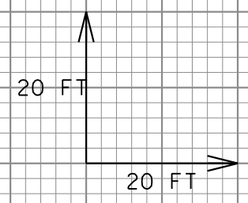
MATCH EDGERTON AVE STA 9+45.00











BEGIN CONSTRUCTION STA 8+85.00

9

9

PROJECT NO:2980-00-70	HWY: W EDGERTON AVE	COUNTY:MILWAUKEE	CROSS SECTIONS: S TUCKAWAY DR	SHEET 423	E

Wisconsin Department of Transportation

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