PROJECT ID: 1310-10-72
WITH:

COUNTY: KENOSHA

ORDER OF SHEETS

TOTAL SHEETS =

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

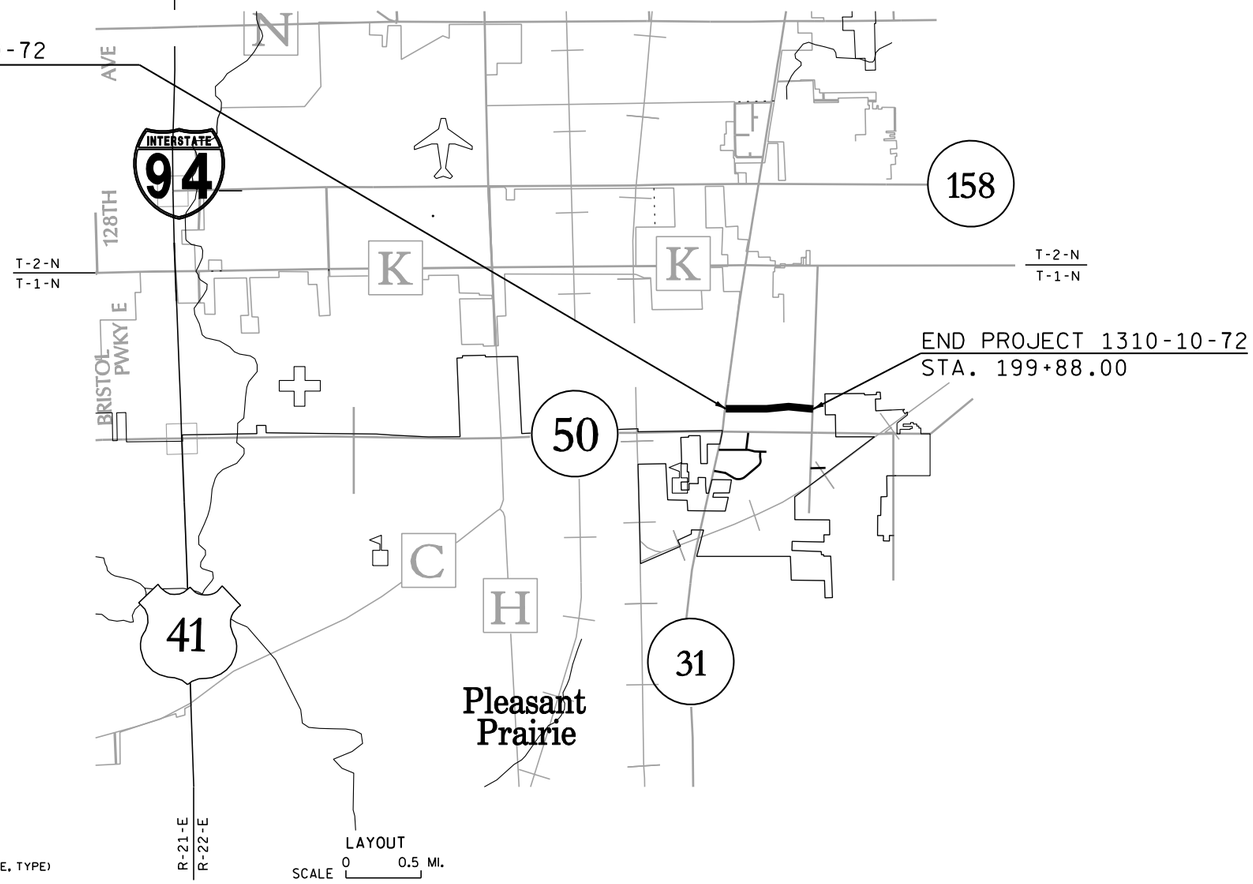
PLAN OF PROPOSED IMPROVEMENT
75TH STREET,
C KENOSHA/V PLEASANT PRAIRIE
FRONTAGE ROADS
STH 50
KENOSHA COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1310-10-72		

DRAFT PS&E
SEPTEMBER 1, 2019

STATE PROJECT NUMBER
1310-10-72

BEGIN PROJECT 1310-10-72
STA. 181+39.43
Y=128,074.908
X=611,999.536



TOTAL NET LENGTH OF CENTERLINE = 0.350 MI.

DESIGN DESIGNATION

	74TH STREET
A.A.D.T. (2019)	= 0
A.A.D.T. (2039)	= 1500
D.H.V.	= 135
D.D.	= 59/41
T.	= 2.9%
DESIGN SPEED	= 30 MPH
ESALS	=

CONVENTIONAL SYMBOLS

CORPORATE LIMITS		COMBUSTIBLE FLUIDS	CAUTION
PROPERTY LINE		UNDERGROUND UTILITIES GAS	(SIZE) G
LOT LINE		ELECTRIC	E
LIMITED EASEMENT		TELEPHONE	T
EXISTING RIGHT OF WAY		FIBER OPTIC	FO
PROPOSED OR NEW R/W LINE		CABLE TELEVISION	TV
FENCE		FORCE MAIN	FM
GUARD RAIL		UTILITY PEDESTAL	
SLOPE INTERCEPT		POWER POLE	
ORIGINAL GROUND		TELEPHONE POLE	
MARSH OR ROCK PROFILE (To be noted as such)	ROCK	SANITARY SEWER	(SIZE) SAN
MARSH AREA		STORM SEWER	(SIZE) SS
WOODED OR SHRUB AREA		WATER	(SIZE) W
STREAM OR WATER EDGE		HYDRANT	
WETLAND		LIGHT POLE	
BUSH		MANHOLE	
PINE TREE	(SIZE)	RAILROAD SIGNAL	
TREE	(SIZE)	SIGN	
TRAFFIC SIGNAL CONTROLLER		TRANSMISSION TOWER	
TRAFFIC SIGNAL		VALVE	⊘(TYPE)
TRAFFIC SIGNAL MAST-ARM		EXISTING CULVERT	(SIZE, TYPE)
TRAFFIC SIGNAL WITH LIGHT		PROPOSED CULVERT (Box or Pipe)	
EXISTING PULL BOX		PROPOSED STORM SEWER	(SIZE)
BOLLARD			

-"COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), KENOSHA COUNTY." NAD 83 (2007)

-ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (2007)

PLANS APPROVED BY
CITY OF KENOSHA

(Date) (Signature)

ORIGINAL PLANS PREPARED BY

raSmith
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16745 W. Bluemound Road
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rasmith.com

(Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	raSmith
Designer	raSmith
Project Manager	JASON DAHLGREN
Regional Examiner	
Regional Supervisor	MANOJOY NAG
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: _____ (Signature)

E

2

STANDARD ABBREVIATIONS

AC	ACRE	MPH	MILES PER HOUR
AC	ASPHALT CEMENT	N	NORTH
ACP	ASPHALTIC CONCRETE PAVEMENT	NB	NORTHBOUND
ADJ	ADJUST	NC	NORMAL CROWN
AADT	AVERAGE ANNUAL DAILY TRAFFIC	NO	NUMBER
AECPRC	APRON ENDWALLS FOR CULVERT	NOM	NOMINAL
	PIPE REINFORCED CONCRETE	OD	OUTSIDE DIAMETER
	HORIZONTAL ELLIPTICAL	OPT	OPTIONAL
AH	AHEAD	PACS	PIPE ARCH CORRUGATED STEEL
AP	ACCESS POINT	PAVT	PAVEMENT
ASPH	ASPHALTIC	PC	POINT OF CURVATURE
AVG	AVERAGE	PCC	POINT OF COMPOUND CURVATURE
BAD	BASE AGGREGATE DENSE	PCC	PORTLAND CEMENT CONCRETE
BK	BACK	PE	PRIVATE ENTRANCE
BM	BENCHMARK	PGL	PROFILE GRADE LINE
C & G	CURB AND GUTTER	PI	POINT OF INTERSECTION
C/L	CENTER LINE	PL	PROPERTY LINE
C/L CONST	CENTER LINE CONSTRUCTION	PLE	PERMANENT LIMITED EASEMENT
CABC	CRUSHED AGGREGATE BASE COURSE	PSF	POUNDS PER SQUARE FOOT
CB	CATCH BASIN	PSI	POUNDS PER SQUARE INCH
CFS	CUBIC FEET PER SECOND	PT	POINT
CL	CLASS	PT	POINT OF TANGENCY
CMCP	CORRUGATED METAL CULVERT PIPE	PVC	POLYVINYL CHLORIDE
CMP	CORRUGATED METAL PIPE	Q100	100-YEAR FLOW RATE
CONC	CONCRETE	R	RADIUS
CONC	CONCRETE	R	RANGE
CONST	CONSTRUCTION	R/L	R/L
CP	CONTROL POINT	R/W	RIGHT-OF-WAY
CPCS	CULVERT PIPE CORRUGATED STEEL	RD	ROAD
CPRC	CULVERT PIPE REINFORCED CONCRETE	RDWY	ROADWAY
CPRCHE	CULVERT PIPE REINFORCED CONCRETE	REINF	REINFORCING OR REINFORCEMENT
	HORIZONTAL ELLIPTICAL	REQD	REQUIRED
CTH	COUNTY TRUNK HIGHWAY	RR	RAILROAD
CWT	HUNDRED WEIGHT	RT	RIGHT
CY	CUBIC YARD	S	SOUTH
D	DEGREE OF CURVE	SB	SOUTHBOUND
DD	DIRECTIONAL DISTRIBUTION	SDD	STANDARD DETAIL DRAWINGS
DHV	DESIGN HOUR VOLUME	SEC	SECTION
DIA	DIAMETER	SE	SUPERELEVATION
DWY	DRIVEWAY	SF	SQUARE FEET
E	EAST	SHLDR	SHOULDER
EB	EASTBOUND	SQ	SQUARE
EBS	EXCAVATION BELOW SUBGRADE	SS	STORM SEWER
EL	ELEVATION	SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
ESALS	EQUIVALENT SINGLE AXLE LOADS	ST	STREET
EXC	EXCAVATION	STA	STATION
EXIST	EXISTING	STH	STATE TRUNK HIGHWAYS
FE	FIELD ENTRANCE	STR	STRUCTURE OR STRUCTURAL
FERT	FERTILIZE	SW	SIDEWALK
FL	FLOW LINE	SY	SQUARE YARD
FPS	FEET PER SECOND	T	TANGENT
FT	FOOT	t	TON
GN	GRID NORTH	T	TOWN
HES	HIGH EARLY STRENGTH	T%	TRUCKS (PERCENT OF)
HMA	HOT MIX ASPHALT	T/L	TRANSIT LINE
HP	HIGH POINT	TEMP	TEMPORARY
HW	HIGH WATER	TI	TEMPORARY INTEREST
HWD	HYDRANT	TLE	TEMPORARY LIMITED EASEMENT
I	INTERSECTION ANGLE	TYP	TYPICAL
ID	INSIDE DIAMETER	USH	UNITED STATES HIGHWAY
INL	INLET	VAR	VARIABLE
INV	INVERT	VC	VERTICAL CURVE
IP	IRON PIPE OR PIN	VCL	VERTICAL CURVE LENGTH
JT	JOINT	VERT	VERTICAL
LB	POUND	VOL	VOLUME
LF	LINEAR FOOT	VPC	VERTICAL POINT OF CURVATURE
LP	LOW POINT	VPI	VERTICAL POINT OF INTERSECTION
LS	LUMP SUM	VPT	VERTICAL POINT OF TANGENCY
LT	LEFT	W	WEST
L	LENGTH OF CURVE	WB	WESTBOUND
MAX	MAXIMUM	WM	WATERMAIN
MGAL	MEGAGALLON	WV	WATER VALVE
MH	MANHOLE	X	EAST GRID COORDINATE
MIN	MINIMUM	Y	NORTH GRID COORDINATE
MON	MONUMENT	YD	YARD
MGAL	MEGAGALLON	Δ	CENTRAL ANGLE OR DELTA

GENERAL NOTES

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

2 PIPE AND INLET ELEVATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED BY THE ENGINEER.

3 RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZE, AND MULCH/EROSION MAT TOPSOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAT FOURTEEN (14) CALENDAR DAYS, SEE THOSE AREAS WITH TEMPORARY SEED.

4 STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEE THE STOCKPILE WITH TEMPORARY SEED.

5 EROSION CONTROL BMP'S ARE AT SUGGESTED LOCATIONS. THE ACTUAL LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND BY THE ENGINEER. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR UNTIL THE ENGINEER DETERMINES THAT THE BMP IS NO LONGER REQUIRED.

6 EROSION CONTROL DEVICES SHALL BE PLACED IN SEQUENCE WITH CONSTRUCTION OPERATIONS OR AS DETERMINED BY THE ENGINEER.

7 THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS IN THE AREA THAT ARE NOT SHOWN. THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK.

8 SEE SUBSURFACE EXPLORATION REPORTS FOR SOIL BORING INFORMATION. REPORTS ARE AVAILABLE FROM THE WISDOT SE REGION BY CONTACTING JASON DAHLGREN, PROJECT MANAGER, PHONE (262) 521-5349.

9 HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING LAYERS AND GRADATIONS:

THICKNESS	LAYERS	CLASSIFICATION
3-INCH	ONE 3-INCH LAYER	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
4-INCH	ONE 4-INCH LAYER	ASPHALTIC SURFACE
5-INCH	ONE 5-INCH LAYER	ASPHALTIC SURFACE

10 WHEN THE QUANTITY OF ITEMS OF BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY THE TON, THE THICKNESS OF THE COURSE SHOWN ON THE PLANS IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

11 THE EXACT LOCATION OF PRIVATE ENTRANCES AND DRIVEWAYS IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

12 STATIONING, DISTANCES AND OFFSETS FOR SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE LOCATIONS OF SIGNS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

13 PAVEMENT REMOVAL WILL BE TO THE NEAREST JOINT, OR AS DIRECTED BY THE ENGINEER.

14 ALL OPENINGS OF HOLES BELOW SUBGRADE RESULTING FROM REMOVALS OR ABANDONMENTS SHALL BE BACKFILLED WITH GRANULAR MATERIAL. GRANULAR MATERIAL IS INCIDENTAL TO THE REMOVAL ITEM.

15 JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL REINFORCED CONCRETE APRON ENDWALL LOCATIONS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE REINFORCED CONCRETE PIPE.

16 PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL FIELD VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS AND PROVIDE DOCUMENTATION TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS.

17 VOLUMES FOR EXCAVATION COMMON INCLUDE REMOVAL OF EXISTING CONCRETE PAVEMENT, ASPHALT, AND BASE COURSE TO THE PROPOSED SUBGRADE.

18 SIGNS IN CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED AS DIRECTED BY THE ENGINEER AND PAID FOR AS COVERING SIGNS TYPE I OR TYPE II. THE COVERING OF SIGNS ALONG DETOUR ROUTES SHALL BE PAID UNDER THE ITEM TRAFFIC CONTROL COVERING SIGNS TYPE I OR TYPE II

19 ALL CURB AND GUTTER GRADES AT MATCH POINTS SHALL BE VERIFIED BY THE ENGINEER PRIOR TO CONSTRUCTION OF THE CURB AND GUTTER

ORDER OF SECTION 2 SHEETS

2

2

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MV3658@ATT.COM

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CCZARNECKI@KENOSHA.ORG

CHARTER (TWC/SPECTRUM)
NEAL LONG
1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212-4002
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CELL: (414) 430-7189
NEAL.LONG@CHARTER.COM

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

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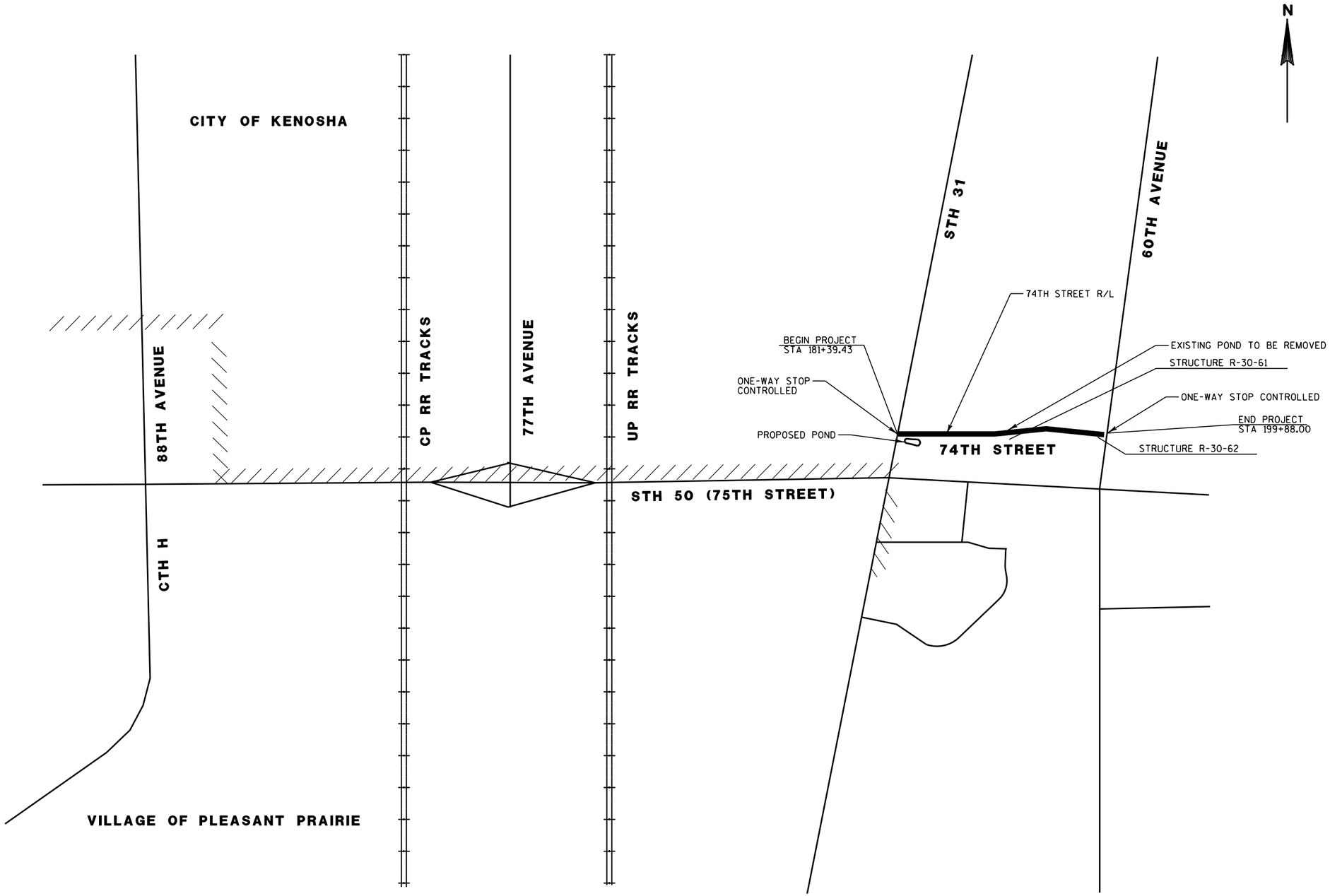
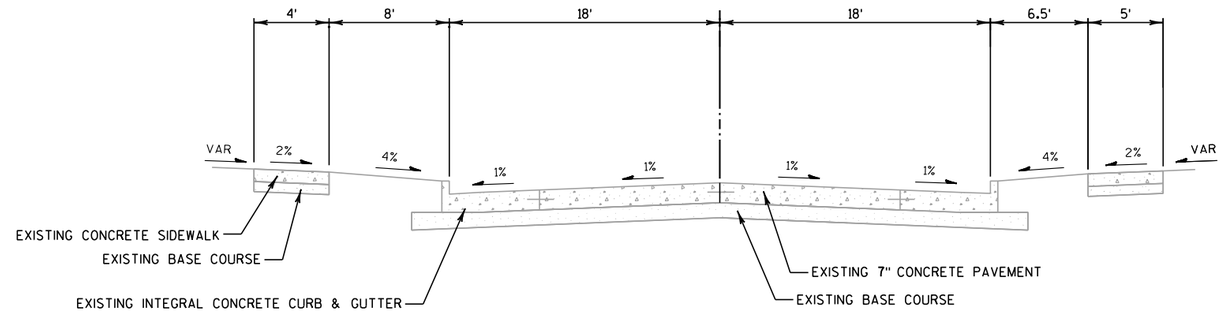
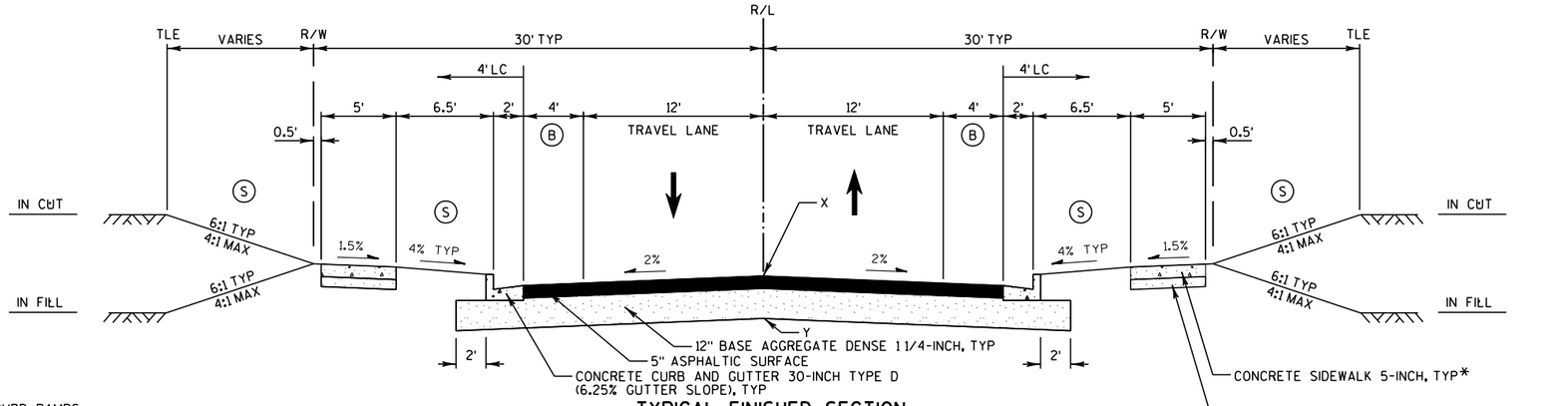


PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PROJECT OVERVIEW	SHEET	E

2



TYPICAL EXISTING SECTION
60TH AVE
STA 82+58 - STA 86+81



TYPICAL FINISHED SECTION

74TH STREET
STA 181+39.43 - STA 185+00
V = 30 MPH

NOTES

* USE CONCRETE SIDEWALK 6-INCH AT ALL CURB RAMPS

** PLACE FENCE AT FOLLOWING LOCATIONS:
STA 187+72 - STA 189+60, RT 74TH STREET
STA 187+72 - STA 189+62, LT 74TH STREET

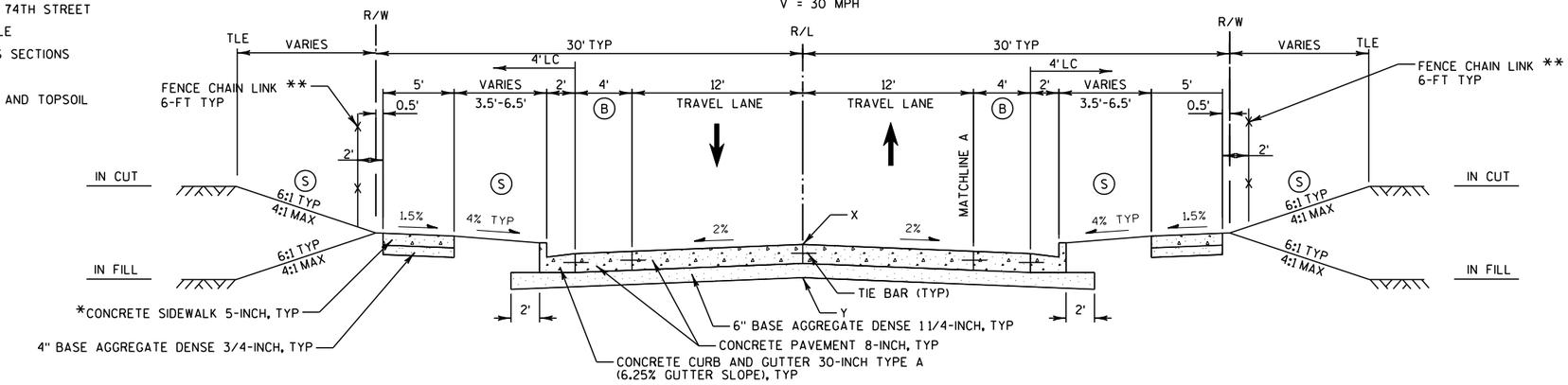
X= POINT REFERRED TO ON PROFILE

Y= POINT REFERRED TO ON CROSS SECTIONS

LC LATERAL CLEARANCE

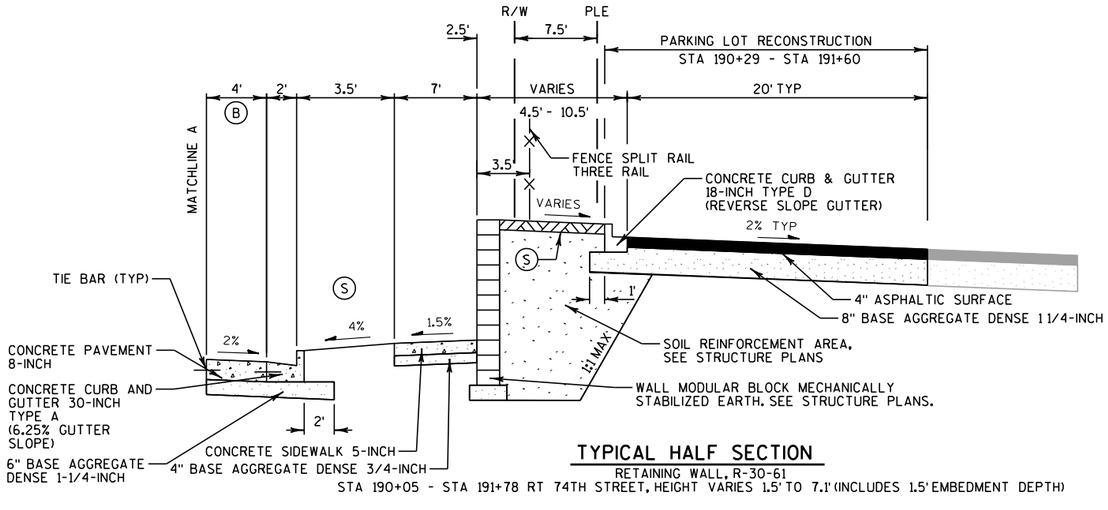
(S) SOD LAWN, FERTILIZER TYPE B, AND TOPSOIL

(B) BICYCLE ACCOMMODATION



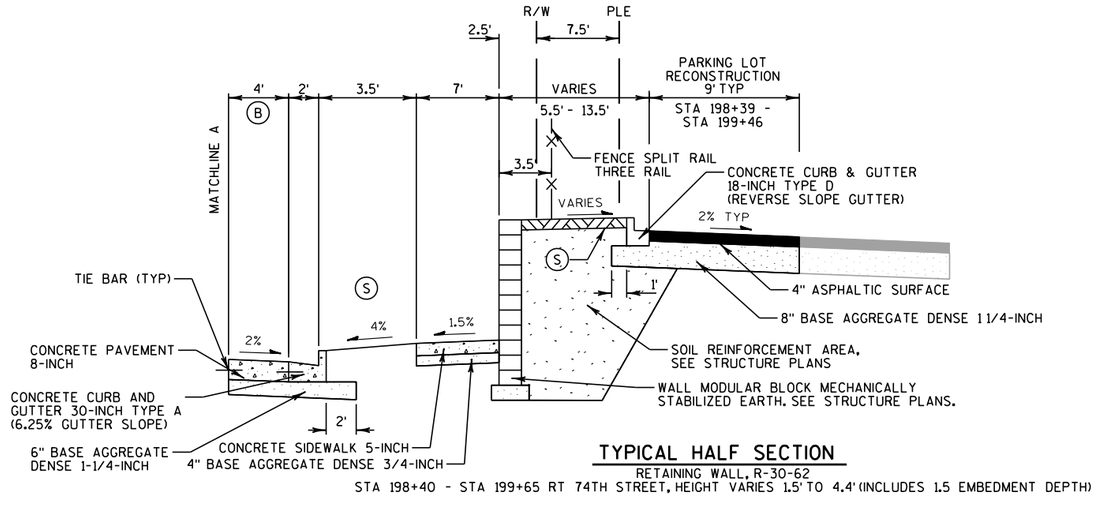
TYPICAL FINISHED SECTION

74TH STREET
STA 185+00 - STA 199+88 74TH STREET
V = 30 MPH



TYPICAL HALF SECTION

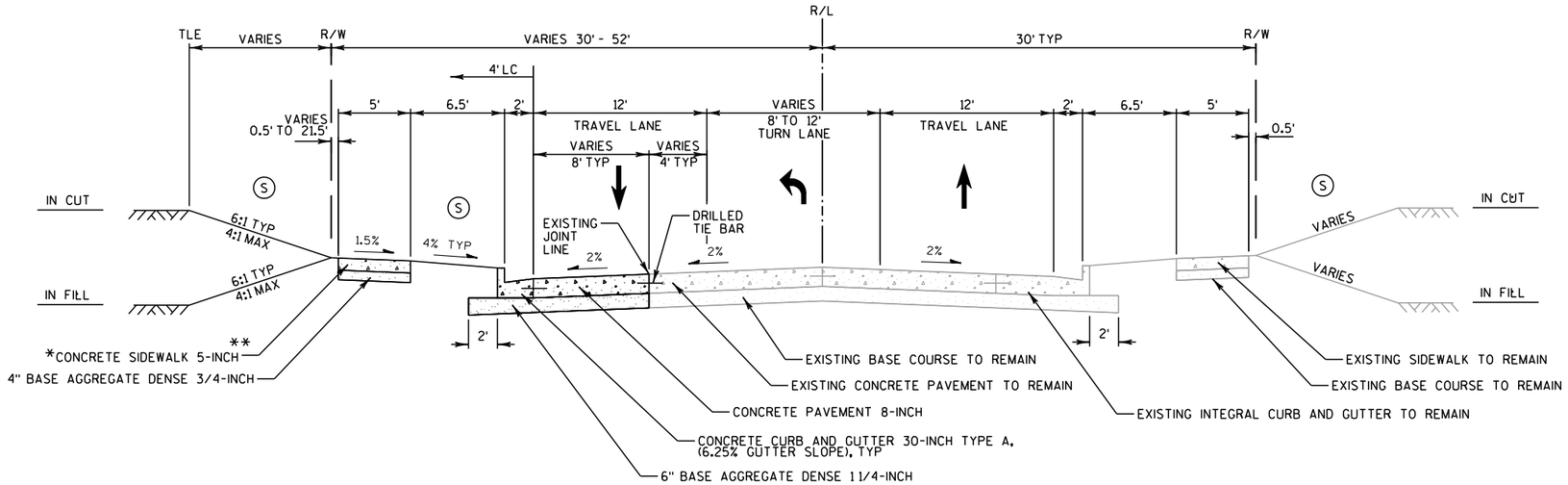
RETAINING WALL, R-30-61
STA 190+05 - STA 191+78 RT 74TH STREET, HEIGHT VARIES 1.5' TO 7.1' (INCLUDES 1.5' EMBEDMENT DEPTH)



TYPICAL HALF SECTION

RETAINING WALL, R-30-62
STA 198+40 - STA 199+65 RT 74TH STREET, HEIGHT VARIES 1.5' TO 4.4' (INCLUDES 1.5 EMBEDMENT DEPTH)

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	TYPICAL SECTIONS	SHEET	E



TYPICAL FINISHED SECTION

60TH AVENUE
STA 82+58 - STA 86+81
V = 30 MPH

NOTES

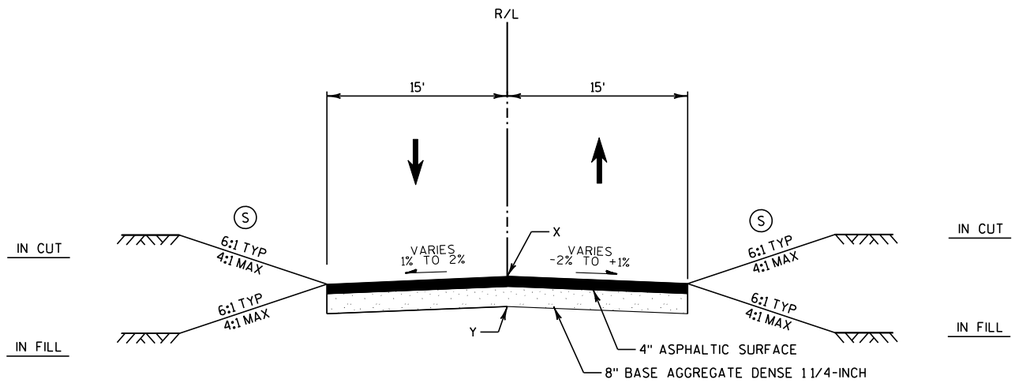
* USE CONCRETE SIDEWALK 6-INCH AT ALL CURB RAMPS

** EXISTING CONCRETE SIDEWALK TO REMAIN
STA 86+73 - STA 86+81

X= POINT REFERRED TO ON PROFILE

Y= POINT REFERRED TO ON CROSS SECTIONS

(S) SOD LAWN, FERTILIZER TYPE B, AND TOPSOIL



TYPICAL FINISHED SECTION

ALDI DRIVEWAY
STA 10+03 - STA 10+77

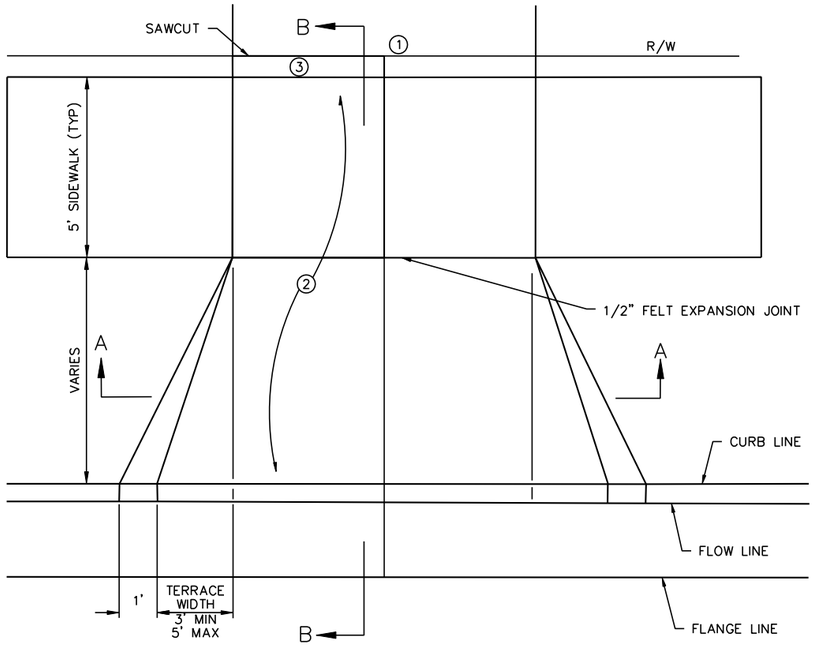
PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	TYPICAL SECTIONS	SHEET	E

NOTES:

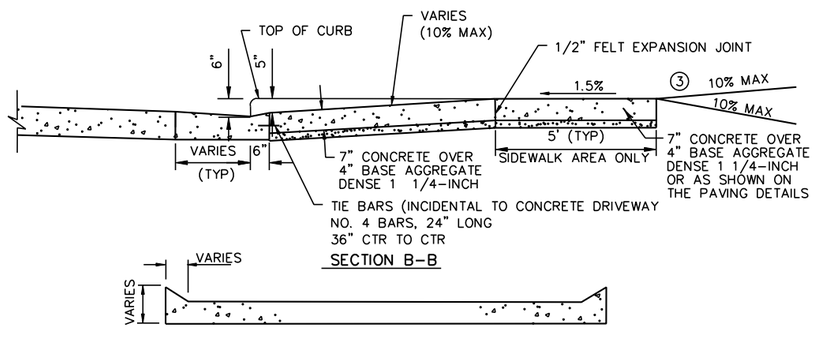
1. DRIVEWAY WIDTHS:
   COMMERCIAL 35' MAX, 12' MIN
   NON-COMMERCIAL 24' MAX, 12' MIN

2. ALL DRIVEWAY APPROACHES SHALL BE 7" CONCRETE ON 4" BASE AGGREGATE DENSE 1 1/4-INCH, UNLESS NOTED OTHERWISE ON PAVING DETAILS.

3. DRIVEWAY SURFACE BEYOND SIDEWALK SHALL BE REPLACED IN-KIND WITH A MINIMUM SECTION OF:
   3" ASPHALTIC SURFACE DRIVEWAYS OVER 4" BASE AGGREGATE DENSE 1 1/4-INCH
   OR
   CONCRETE DRIVEWAY 7-INCH OVER 4" BASE AGGREGATE DENSE 1 1/4-INCH.
   OR
   CONCRETE DRIVEWAY HES 7-INCH OVER 4" BASE AGGREGATE DENSE 1 1/4-INCH.
   OR
   6" BASE AGGREGATE DENSE 3/4-INCH.



PLAN VIEW

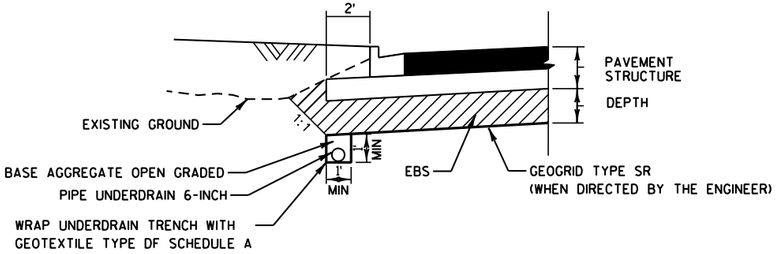


SECTION B-B

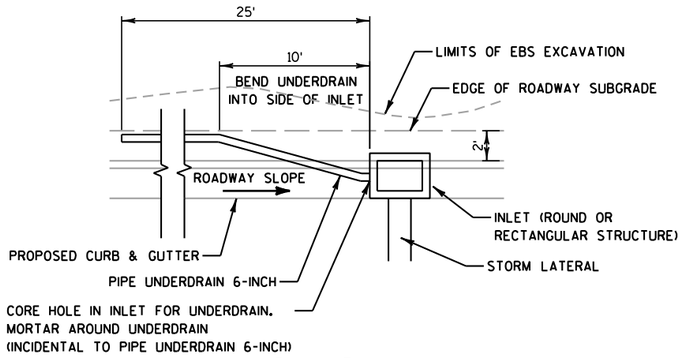
SECTION A-A

URBAN CONCRETE DRIVEWAY DETAIL

2



SECTION VIEW

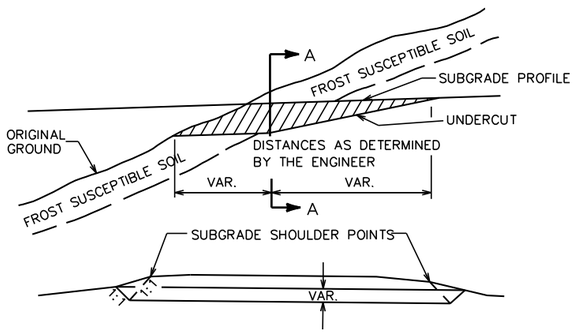


PLAN VIEW
(PIPE UNDERDRAIN)

NOTES:

1. USE AS SHOWN IN CROSS SECTIONS AND AS DIRECTED BY ENGINEER FOR AREAS OF UNSTABLE SUBGRADE.
2. EBS SHALL BE PAID FOR AS EXCAVATION COMMON.
3. FILL EBS VOID WITH BREAKER RUN.
4. PROVIDE 25 FEET OF PIPE UNDERDRAIN UPSTREAM OF EACH INLET WITHIN AREAS OF EBS.
5. SLOPE THE UNDERDRAIN PIPE AT 0.5% MINUMUM, 1.0% DESIRABLE.
6. CONNECT THE UNDERDRAIN TO THE INLET BY CORING A HOLE IN THE SIDE OF THE INLET STRUCTURE. MORTAR THE UNDERAIN TO THE INLET STRUCTURE. CORING A HOLE AND MORTARING THE UNDERDRAIN INTO THE INLET IS INCIDENTAL TO PIPE UNDERDRAIN 6-INCH.
7. THE BOTTOM OF THE PIPE UNDERDRAIN SHALL ENTER THE INLET STRUCTURE HIGHER THAN THE CROWN OF ANY STORM SEWER PIPES IN THE INLET STRUCTURE UNLESS OTHERWISE APPROVED BY THE ENGINEER.
8. UNDERDRAIN TRENCH TO BE BACKFILLED WITH BASE AGGREGATE OPEN GRADED.
9. WRAP THE UNDERDRAIN TRENCH WITH GEOTEXTILE TYPE DF SCHEDULE A. OVERLAP THE FABRIC BY 12" AT THE TOP OF THE TRENCH. TOTAL GEOTEXTILE WIDTH IS 5'FOR PAYMENT.

EXCAVATION BELOW SUBGRADE (EBS) - URBAN

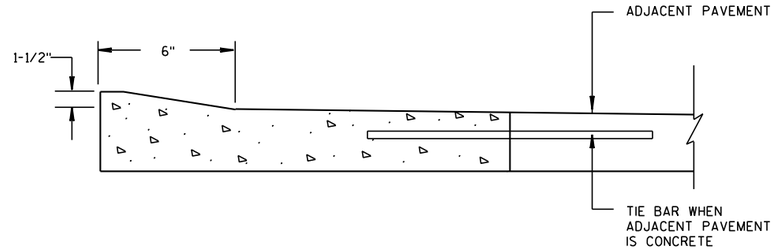


SECTION A–A
CROSS SECTION SHOWING UNDERCUT

CONSTRUCTION NOTES:

1. EXACT LOCATIONS AND EXTENT OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. EBS AREA TO BE BACKFILLED WITH BREAKER RUN.
3. THE FILL SECTION WITHIN 100' OF THE MOUTH OF THE CUT MUST BE KEPT 2' BELOW SUBGRADE UNTIL EBS IS COMPLETED.

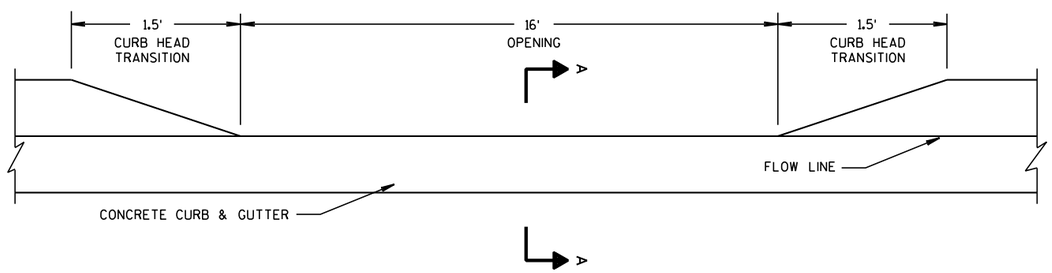
DETAIL FOR EXCAVATION BELOW SUBGRADE AT CUTS



SECTION A–A

NOTE:

SEE SDD "CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES" FOR ADDITIONAL INFORMATION AND TYPICAL TIE BAR LOCATIONS.
ALL WORK SHALL BE INCLUDED IN CURB & GUTTER BID ITEMS



DETAIL OF CURB HEAD TRANSITION AT MAINTENANCE OPENING

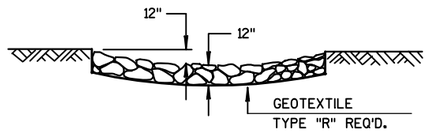
STA 189+35 - STA 189+54, LT

2

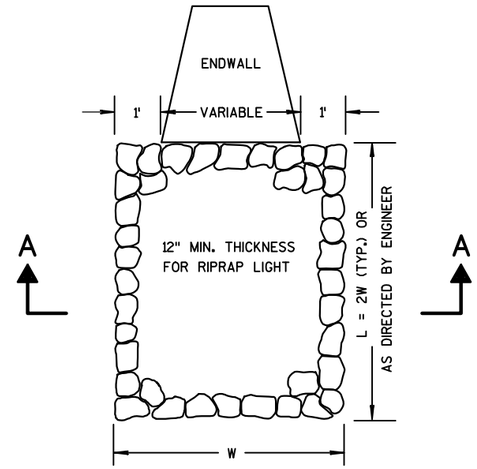
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA (R/W TO R/W) = 4.78 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 4.41 ACRES



SECTION A-A



RIPRAP LIGHT TREATMENT AT CULVERTS

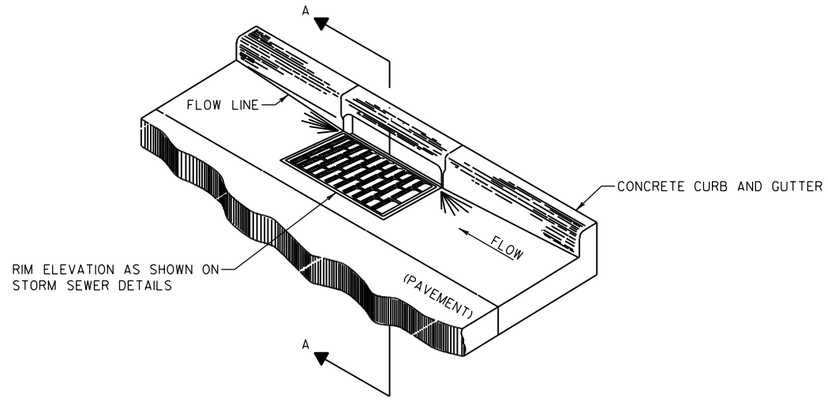
2

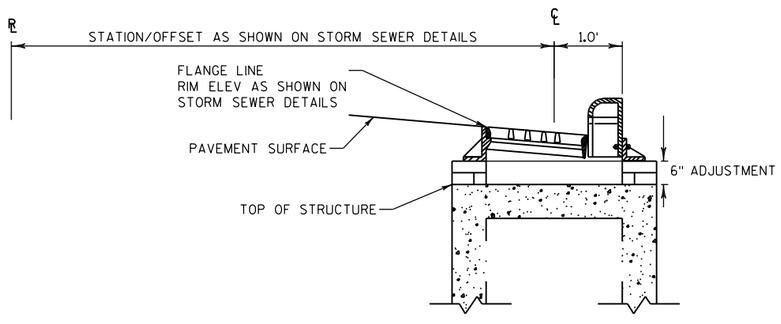
PROJECT NO:1310-10-72	HWY: STH 50	COUNTY:KENOSHA	CONSTRUCTION DETAILS	SHEET E

PRE_10

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\021001-CD-EC.DWG
LAYOUT NAME - 021001-CD-EC
PLOT DATE : 8/29/2019 3:04 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1" = 1'
WISDOT/CADDS SHEET 42

2





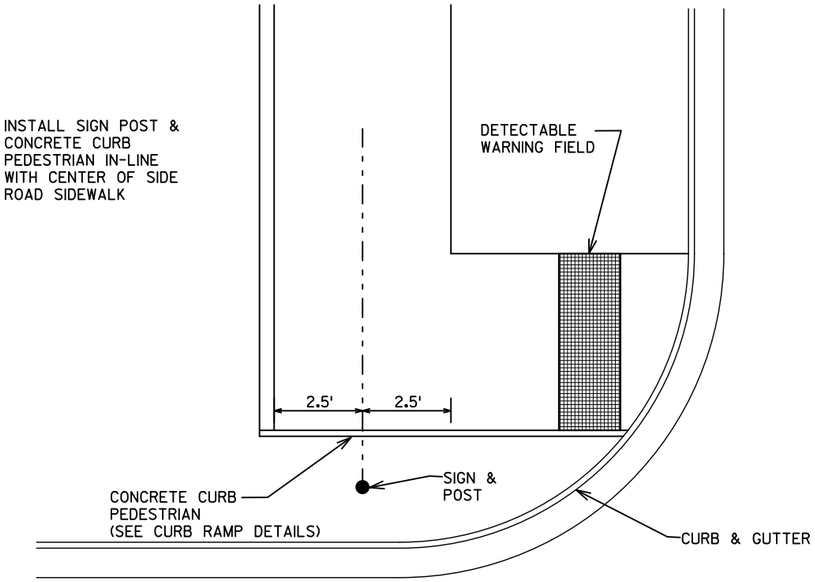
SECTION A-A

STORM SEWER STRUCTURES

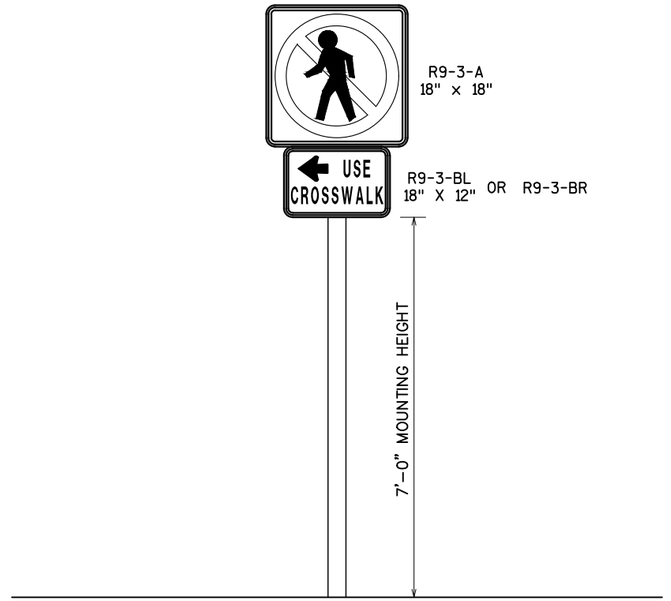
STATION/OFFSET LOCATION AND RIM ELEV

2

INSTALL SIGN POST & CONCRETE CURB PEDESTRIAN IN-LINE WITH CENTER OF SIDE ROAD SIDEWALK



CURB AND SIGN LOCATION DETAIL



CONCRETE CURB PEDESTRIAN DETAIL
CURB ELEVATION VIEW

PEDESTRIAN BARRIER DETAIL
NOT TO SCALE

PROJECT NO:1310-10-72	HWY:STH 50	COUNTY:KENOSHA	CONSTRUCTION DETAILS - PEDESTRIAN SIGN TYPICAL	SHEET E

PRE_12

LEGEND

- X — CLEARING AND GRUBBING (INDIVIDUAL TREE)
- CLEARING AND GRUBBING (AREA)
- REMOVING SMALL PIPE CULVERTS
- REMOVING PAVEMENT
- REMOVING ASPHALT (PAID AS EXCAVATION COMMON)
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- —X— REMOVING FENCE
- REMOVING INLETS
- —RM— REMOVING STORM SEWER
- SLOPE INTERCEPT
- X X X SAWING ASPHALT
- SAWING CONCRETE
- MARKING REMOVAL LINE WATER BLASTING 4-INCH

N

STH 31/GREEN BAY RD

74TH STREET

74TH STREET R/L

182+00

183+00

184+00

185+00

MATCHLINE STA 186+00.00

R/W

EXISTING INLET TO REMAIN

EXISTING INLET TO REMAIN
SEE STORM SEWER PLANS FOR CONNECTION

BUILDING AND SITE REMOVALS
COMPLETED BY OTHERS

TLE

NOTE:
1. SEE PERMANENT SIGNING PLANS AND LIGHTING PLANS FOR ADDITIONAL REMOVALS.

SHEET 1 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	REMOVAL PLAN	SHEET E

PRE_13

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\021102-RM-74TH.DWG
LAYOUT NAME - 021102-RM-74TH - SHEET - (1)

PLOT DATE : 8/29/2019 3:06 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- CLEARING AND GRUBBING (INDIVIDUAL TREE)
- CLEARING AND GRUBBING (AREA)
- REMOVING SMALL PIPE CULVERTS
- REMOVING PAVEMENT
- REMOVING ASPHALT (PAID AS EXCAVATION COMMON)
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING FENCE
- REMOVING INLETS
- RM REMOVING STORM SEWER
- SLOPE INTERCEPT
- X X X SAWING ASPHALT
- SAWING CONCRETE
- MARKING REMOVAL LINE WATER BLASTING 4-INCH

N

MATCHLINE STA 186+00.00

TLE

+30.0
30.3' LT

+72.1
37.1' LT

+71.5
29.4' LT

TLE

PLE

+82.5
39.5' LT

R/W

R/W

+00

187+00

188+00

189+00

74TH STREET

74TH STREET R/L

190+00

191+00

192

R/W

REMOVING FENCE

+71.0
39.5' RT

TLE

+59.5
39.5' RT

R/W

R/W

R/W

TLE

15" CMP

TLE

PLE

NOTE:
1. SEE PERMANENT SIGNING PLANS AND LIGHTING PLANS FOR ADDITIONAL REMOVALS.

SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION

EXISTING INLET TO REMAIN
SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION

MATCHLINE STA 192+00.00

SHEET 2 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	REMOVAL PLAN	SHEET E

PRE_14

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\021102-RM-74TH.DWG
LAYOUT NAME - 021102-RM-74TH - SHEET - (2)

PLOT DATE : 8/29/2019 3:06 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

2

LEGEND

- CLEARING AND GRUBBING (INDIVIDUAL TREE)
- CLEARING AND GRUBBING (AREA)
- REMOVING SMALL PIPE CULVERTS
- REMOVING PAVEMENT
- REMOVING ASPHALT (PAID AS EXCAVATION COMMON)
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- REMOVING FENCE
- REMOVING INLETS
- RM REMOVING STORM SEWER
- SLOPE INTERCEPT
- X X X SAWING ASPHALT
- SAWING CONCRETE
- MARKING REMOVAL LINE WATER BLASTING 4-INCH

N

MATCHLINE STA 192+00.00

MATCHLINE STA 198+00.00

192+00 193+00 194+00 195+00 196+00 197+00 198

74TH STREET

74TH STREET R/L

TLE

R/W

PLE

RIPRAP

15" CPP

RM

+33.8
60.3' RT

+95.6
41.9' RT

REMOVING STORM SEWER

REMOVING STORM SEWER

SEE STORM SEWER PLANS FOR ADDITIONAL INFORMATION

NOTE:
1. SEE PERMANENT SIGNING PLANS AND LIGHTING PLANS FOR ADDITIONAL REMOVALS.

SIGN

SHEET 3 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	REMOVAL PLAN	SHEET E

PRE_15

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\021102-RM-74TH.DWG
LAYOUT NAME - 021102-RM-74TH - SHEET - (3)

PLOT DATE : 8/29/2019 3:07 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

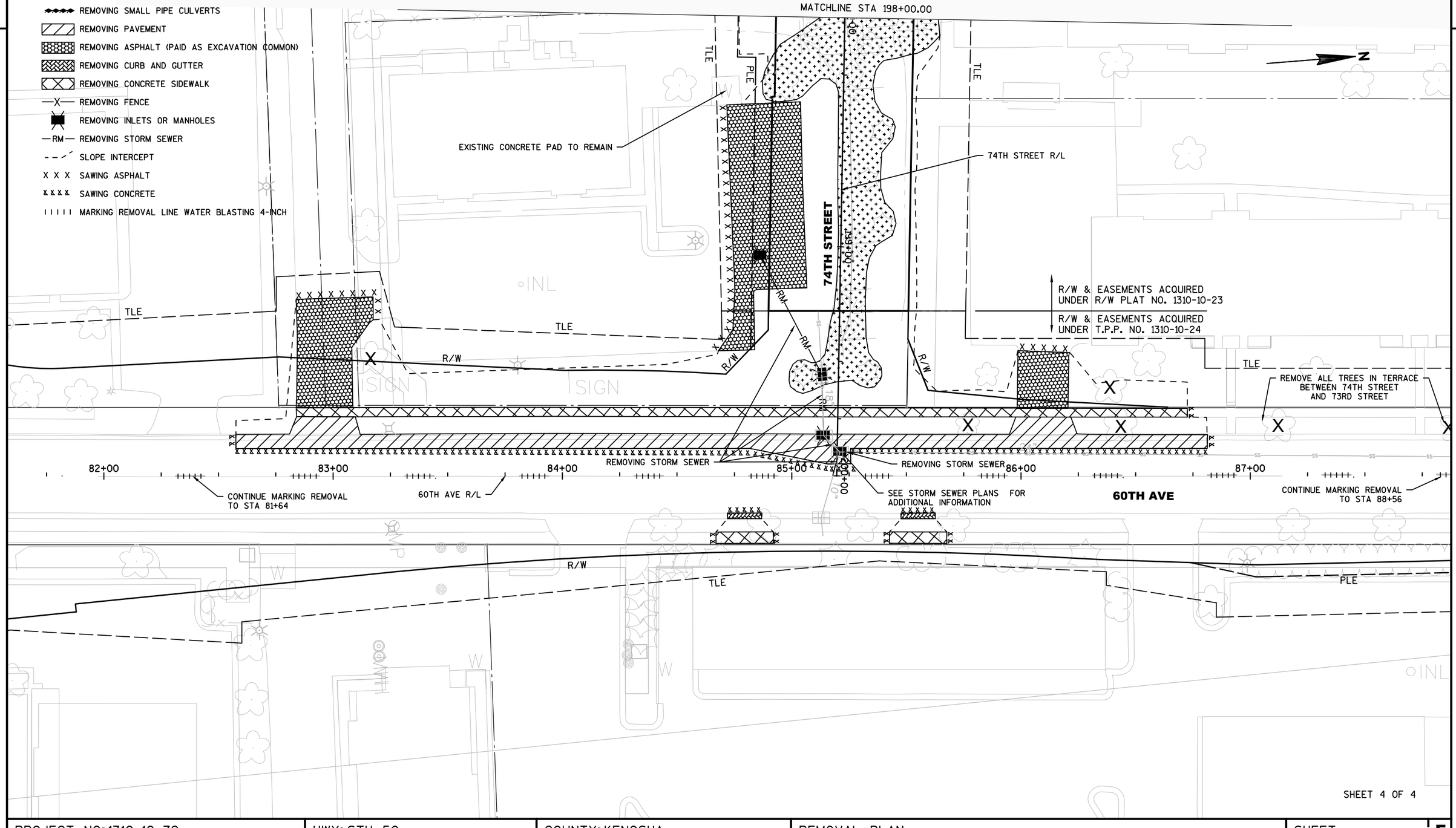
WISDOT/CADDS SHEET 42

2

LEGEND

- X — CLEARING AND GRUBBING (INDIVIDUAL TREE)
- CLEARING AND GRUBBING (AREA)
- REMOVING SMALL PIPE CULVERTS
- REMOVING PAVEMENT
- REMOVING ASPHALT (PAID AS EXCAVATION COMMON)
- REMOVING CURB AND GUTTER
- REMOVING CONCRETE SIDEWALK
- —X— REMOVING FENCE
- REMOVING INLETS OR MANHOLES
- —RM— REMOVING STORM SEWER
- SLOPE INTERCEPT
- X X X SAWING ASPHALT
- SAWING CONCRETE
- MARKING REMOVAL LINE WATER BLASTING 4-INCH

NOTE:
1. SEE PERMANENT SIGNING PLANS AND LIGHTING PLANS FOR ADDITIONAL REMOVALS.



PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	REMOVAL PLAN	SHEET E

PRE_16

2

LEGEND
- (L) LEVEL LANDING
- (CCP) CONCRETE CURB PEDESTRIAN
- (CG30A) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (CG30D) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (SW05) CONCRETE SIDEWALK 5-INCH
- (SW06) CONCRETE SIDEWALK 6-INCH
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

POINT LEGEND

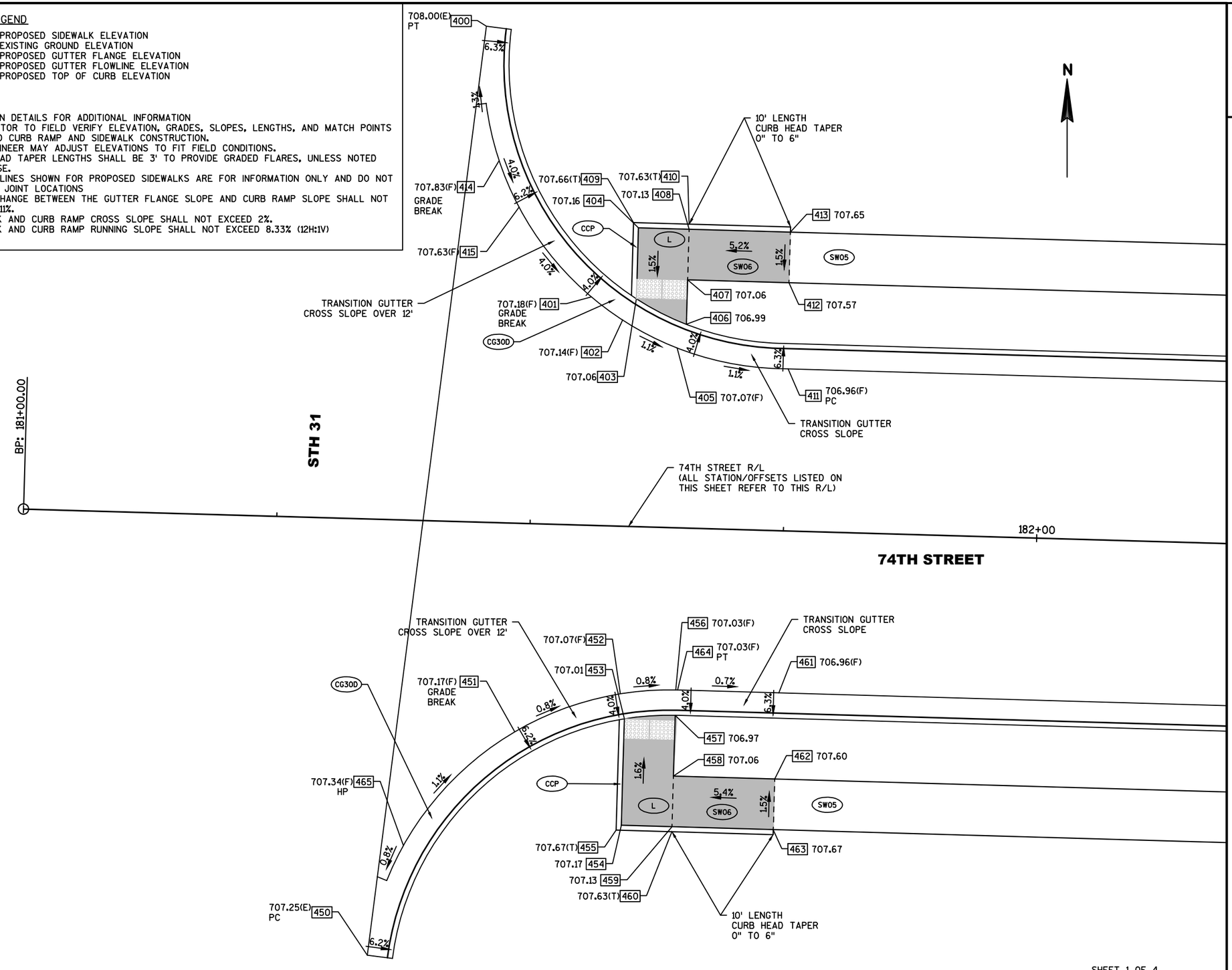
XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED TOP OF CURB ELEVATION

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. CURB HEAD TAPER LENGTHS SHALL BE 3' TO PROVIDE GRADED FLARES, UNLESS NOTED OTHERWISE.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
6. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.
7. SIDEWALK AND CURB RAMP CROSS SLOPE SHALL NOT EXCEED 2%.
8. SIDEWALK AND CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 8.33% (12H:1V)

POINT TABLE				
POINT	STATION	OFFSET	X COORDS	Y COORDS
400	181+44.28	48.96' LT	612005.78	128123.71
401	181+55.42	22.55' LT	612016.16	128096.99
402	181+58.55	20.36' LT	612019.23	128094.72
403	181+59.85	22.51' LT	612020.60	128096.82
404	181+59.85	29.50' LT	612020.79	128103.81
405	181+64.00	17.76' LT	612024.61	128091.96
406	181+64.85	20.12' LT	612025.53	128094.30
407	181+64.85	24.50' LT	612025.65	128098.67
408	181+64.85	29.50' LT	612025.79	128103.67
409	181+59.35	30.00' LT	612020.31	128104.33
410	181+64.83	30.03' LT	612025.79	128104.20
411	181+75.00	16.00' LT	612035.55	128089.88
412	181+74.85	24.50' LT	612035.64	128098.38
413	181+74.85	29.50' LT	612035.79	128103.38
414	181+45.94	35.75' LT	612007.07	128110.45
415	181+48.03	31.21' LT	612009.03	128105.86

POINT TABLE				
POINT	STATION	OFFSET	X COORDS	Y COORDS
450	181+35.16	43.04' RT	611994.04	128032.01
451	181+49.08	20.58' RT	612008.60	128054.06
452	181+59.38	16.53' RT	612019.00	128057.81
453	181+59.85	19.00' RT	612019.41	128055.33
454	181+59.85	29.50' RT	612019.10	128044.84
455	181+59.35	30.00' RT	612018.59	128044.35
456	181+64.83	16.00' RT	612024.47	128058.19
457	181+64.85	18.51' RT	612024.42	128055.68
458	181+64.85	24.50' RT	612024.24	128049.69
459	181+64.85	29.50' RT	612024.10	128044.69
460	181+64.85	30.00' RT	612024.09	128044.19
461	181+75.00	16.00' RT	612034.64	128057.90
462	181+74.85	24.50' RT	612034.24	128049.40
463	181+74.83	29.51' RT	612034.08	128044.40
464	181+65.02	16.00' RT	612024.66	128058.18
465	181+38.42	32.12' RT	611997.61	128042.83



SHEET 1 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CURB RAMP DETAILS	SHEET E

PRE_17

2

LEGEND

(L) LEVEL LANDING

(CCP) CONCRETE CURB PEDESTRIAN

(CG30A) CONCRETE CURB & GUTTER 30-INCH TYPE A

(CG30D) CONCRETE CURB & GUTTER 30-INCH TYPE D

(SW05) CONCRETE SIDEWALK 5-INCH

(SW06) CONCRETE SIDEWALK 6-INCH

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

POINT LEGEND

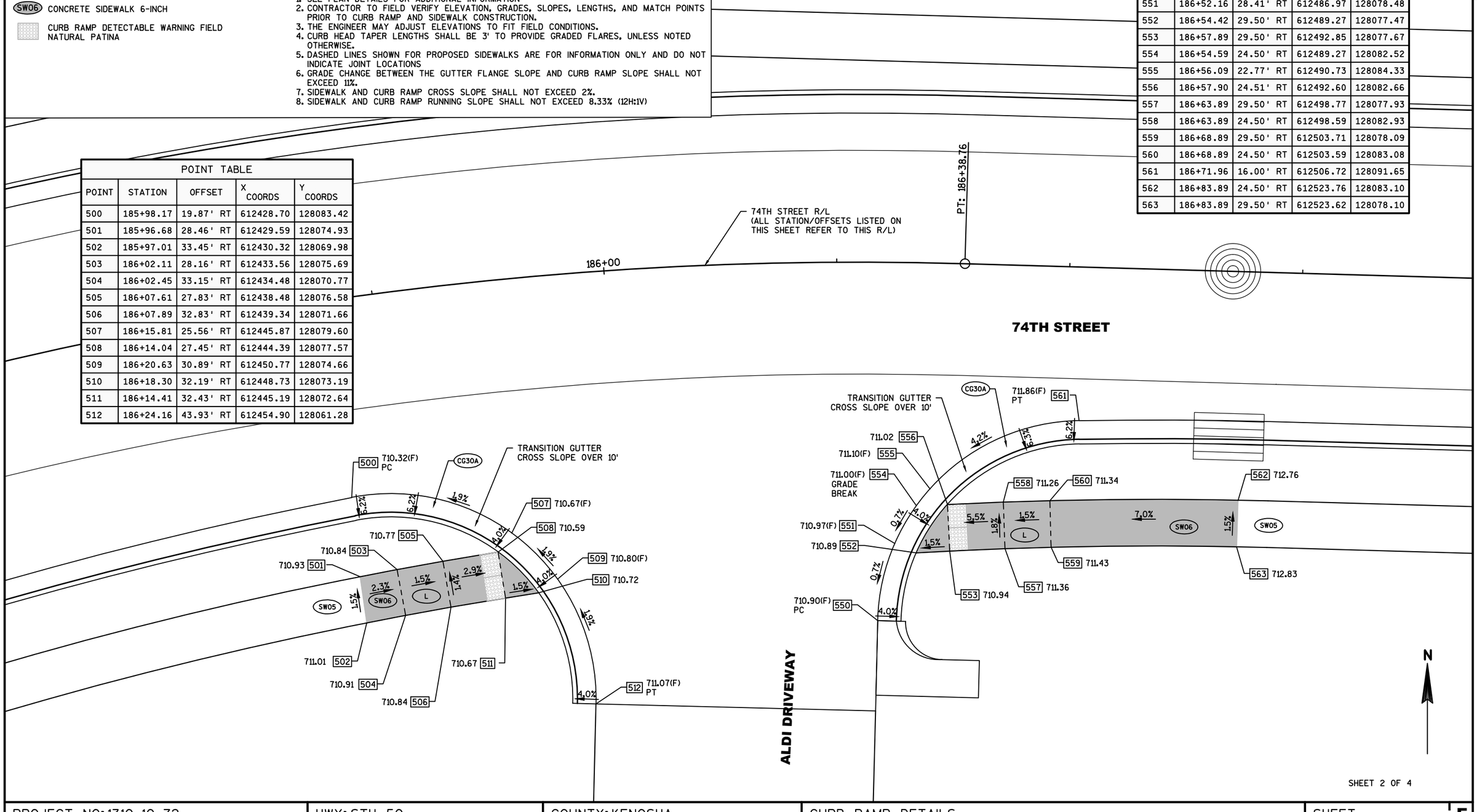
XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED TOP OF CURB ELEVATION

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. CURB HEAD TAPER LENGTHS SHALL BE 3' TO PROVIDE GRADED FLARES, UNLESS NOTED OTHERWISE.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
6. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.
7. SIDEWALK AND CURB RAMP CROSS SLOPE SHALL NOT EXCEED 2%.
8. SIDEWALK AND CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 8.33% (12H:1V)

POINT TABLE				
POINT	STATION	OFFSET	X COORDS	Y COORDS
500	185+98.17	19.87' RT	612428.70	128083.42
501	185+96.68	28.46' RT	612429.59	128074.93
502	185+97.01	33.45' RT	612430.32	128069.98
503	186+02.11	28.16' RT	612433.56	128075.69
504	186+02.45	33.15' RT	612434.48	128070.77
505	186+07.61	27.83' RT	612438.48	128076.58
506	186+07.89	32.83' RT	612439.34	128071.66
507	186+15.81	25.56' RT	612445.87	128079.60
508	186+14.04	27.45' RT	612444.39	128077.57
509	186+20.63	30.89' RT	612450.77	128074.66
510	186+18.30	32.19' RT	612448.73	128073.19
511	186+14.41	32.43' RT	612445.19	128072.64
512	186+24.16	43.93' RT	612454.90	128061.28

POINT TABLE				
POINT	STATION	OFFSET	X COORDS	Y COORDS
550	186+49.97	37.37' RT	612485.13	128070.20
551	186+52.16	28.41' RT	612486.97	128078.48
552	186+54.42	29.50' RT	612489.27	128077.47
553	186+57.89	29.50' RT	612492.85	128077.67
554	186+54.59	24.50' RT	612489.27	128082.52
555	186+56.09	22.77' RT	612490.73	128084.33
556	186+57.90	24.51' RT	612492.60	128082.66
557	186+63.89	29.50' RT	612498.77	128077.93
558	186+63.89	24.50' RT	612498.59	128082.93
559	186+68.89	29.50' RT	612503.71	128078.09
560	186+68.89	24.50' RT	612503.59	128083.08
561	186+71.96	16.00' RT	612506.72	128091.65
562	186+83.89	24.50' RT	612523.76	128083.10
563	186+83.89	29.50' RT	612523.62	128078.10



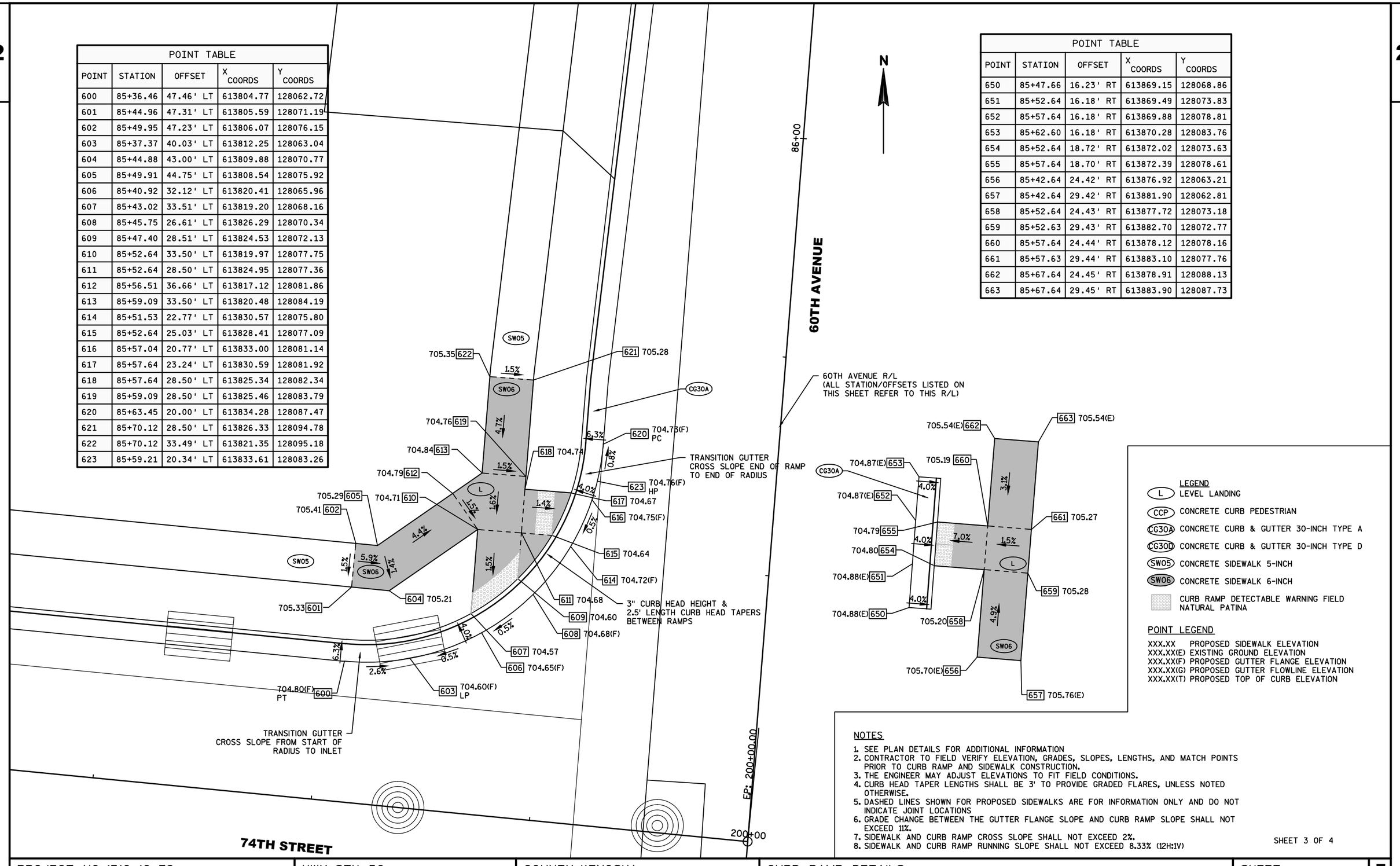
SHEET 2 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CURB RAMP DETAILS	SHEET E

PRE_18

POINT TABLE				
POINT	STATION	OFFSET	X COORDS	Y COORDS
600	85+36.46	47.46' LT	613804.77	128062.72
601	85+44.96	47.31' LT	613805.59	128071.19
602	85+49.95	47.23' LT	613806.07	128076.15
603	85+37.37	40.03' LT	613812.25	128063.04
604	85+44.88	43.00' LT	613809.88	128070.77
605	85+49.91	44.75' LT	613808.54	128075.92
606	85+40.92	32.12' LT	613820.41	128065.96
607	85+43.02	33.51' LT	613819.20	128068.16
608	85+45.75	26.61' LT	613826.29	128070.34
609	85+47.40	28.51' LT	613824.53	128072.13
610	85+52.64	33.50' LT	613819.97	128077.75
611	85+52.64	28.50' LT	613824.95	128077.36
612	85+56.51	36.66' LT	613817.12	128081.86
613	85+59.09	33.50' LT	613820.48	128084.19
614	85+51.53	22.77' LT	613830.57	128075.80
615	85+52.64	25.03' LT	613828.41	128077.09
616	85+57.04	20.77' LT	613833.00	128081.14
617	85+57.64	23.24' LT	613830.59	128081.92
618	85+57.64	28.50' LT	613825.34	128082.34
619	85+59.09	28.50' LT	613825.46	128083.79
620	85+63.45	20.00' LT	613834.28	128087.47
621	85+70.12	28.50' LT	613826.33	128094.78
622	85+70.12	33.49' LT	613821.35	128095.18
623	85+59.21	20.34' LT	613833.61	128083.26

POINT TABLE				
POINT	STATION	OFFSET	X COORDS	Y COORDS
650	85+47.66	16.23' RT	613869.15	128068.86
651	85+52.64	16.18' RT	613869.49	128073.83
652	85+57.64	16.18' RT	613869.88	128078.81
653	85+62.60	16.18' RT	613870.28	128083.76
654	85+52.64	18.72' RT	613872.02	128073.63
655	85+57.64	18.70' RT	613872.39	128078.61
656	85+42.64	24.42' RT	613876.92	128063.21
657	85+42.64	29.42' RT	613881.90	128062.81
658	85+52.64	24.43' RT	613877.72	128073.18
659	85+52.63	29.43' RT	613882.70	128072.77
660	85+57.64	24.44' RT	613878.12	128078.16
661	85+57.63	29.44' RT	613883.10	128077.76
662	85+67.64	24.45' RT	613878.91	128088.13
663	85+67.64	29.45' RT	613883.90	128087.73



LEGEND

- L — LEVEL LANDING
- CCP — CONCRETE CURB PEDESTRIAN
- CG30A — CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG30D — CONCRETE CURB & GUTTER 30-INCH TYPE D
- SW05 — CONCRETE SIDEWALK 5-INCH
- SW06 — CONCRETE SIDEWALK 6-INCH
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

POINT LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED TOP OF CURB ELEVATION

NOTES

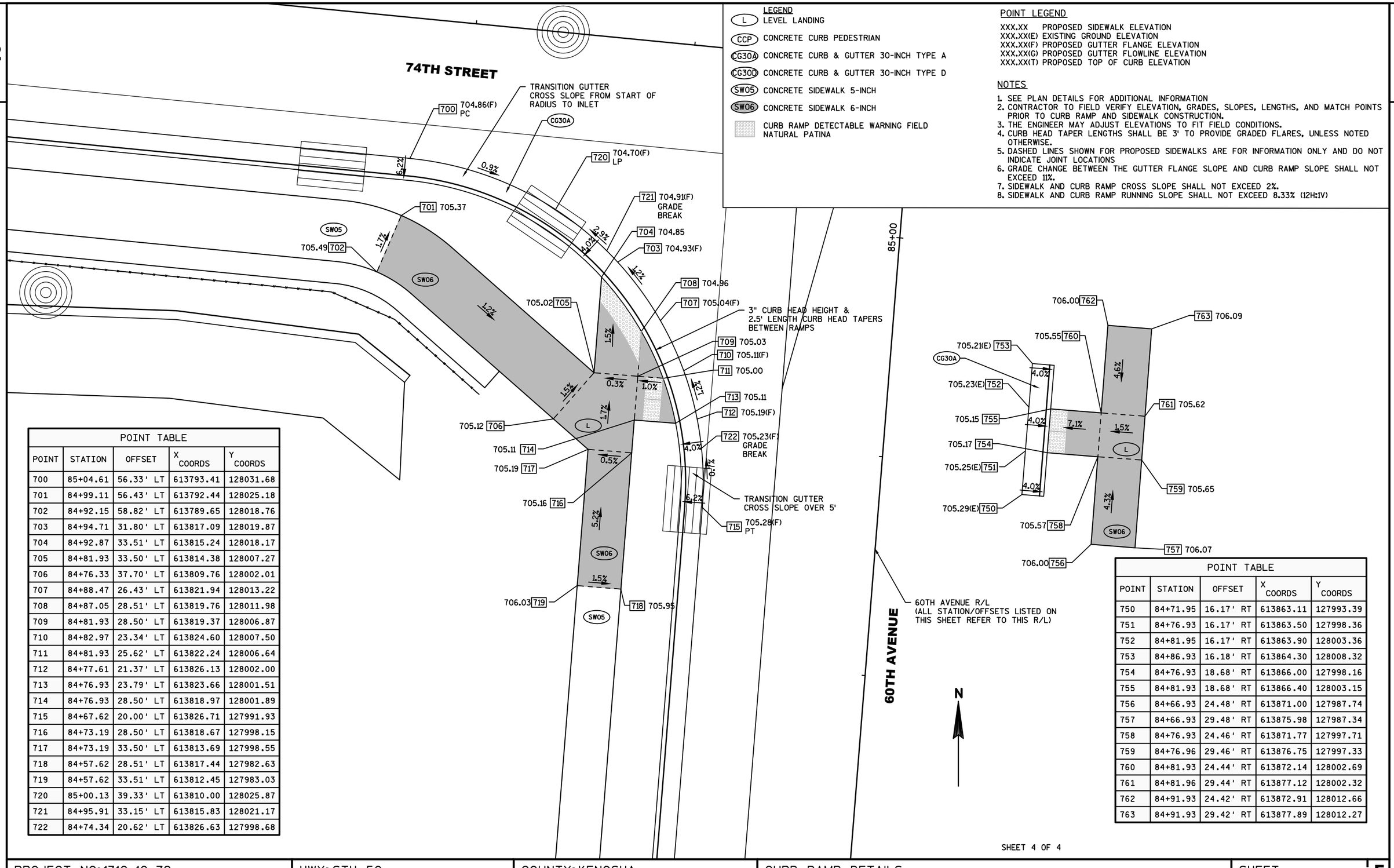
1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. CURB HEAD TAPER LENGTHS SHALL BE 3' TO PROVIDE GRADED FLARES, UNLESS NOTED OTHERWISE.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
6. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.
7. SIDEWALK AND CURB RAMP CROSS SLOPE SHALL NOT EXCEED 2%.
8. SIDEWALK AND CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 8.33% (12H:1V)

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CURB RAMP DETAILS	SHEET E

PRE_19

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\021101-ID.DWG
LAYOUT NAME - 021101-ID - SHEET - (6)
PLOT DATE : 8/29/2019 4:07 PM
PLOT BY : WHITEFOOT, DANIEL
PLOT NAME :
PLOT SCALE : 1 IN:10 FT
WISDOT/CADDS SHEET 42

2



LEGEND

- L — LEVEL LANDING
- CCP — CONCRETE CURB PEDESTRIAN
- CG30A — CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG30D — CONCRETE CURB & GUTTER 30-INCH TYPE D
- SW05 — CONCRETE SIDEWALK 5-INCH
- SW06 — CONCRETE SIDEWALK 6-INCH
- CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

POINT LEGEND

XXX.XX PROPOSED SIDEWALK ELEVATION
XXX.XX(E) EXISTING GROUND ELEVATION
XXX.XX(F) PROPOSED GUTTER FLANGE ELEVATION
XXX.XX(G) PROPOSED GUTTER FLOWLINE ELEVATION
XXX.XX(T) PROPOSED TOP OF CURB ELEVATION

NOTES

1. SEE PLAN DETAILS FOR ADDITIONAL INFORMATION
2. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS, AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION.
3. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONDITIONS.
4. CURB HEAD TAPER LENGTHS SHALL BE 3' TO PROVIDE GRADED FLARES, UNLESS NOTED OTHERWISE.
5. DASHED LINES SHOWN FOR PROPOSED SIDEWALKS ARE FOR INFORMATION ONLY AND DO NOT INDICATE JOINT LOCATIONS
6. GRADE CHANGE BETWEEN THE GUTTER FLANGE SLOPE AND CURB RAMP SLOPE SHALL NOT EXCEED 11%.
7. SIDEWALK AND CURB RAMP CROSS SLOPE SHALL NOT EXCEED 2%.
8. SIDEWALK AND CURB RAMP RUNNING SLOPE SHALL NOT EXCEED 8.33% (12H:1V)

POINT TABLE

POINT	STATION	OFFSET	X COORDS	Y COORDS
700	85+04.61	56.33' LT	613793.41	128031.68
701	84+99.11	56.43' LT	613792.44	128025.18
702	84+92.15	58.82' LT	613789.65	128018.76
703	84+94.71	31.80' LT	613817.09	128019.87
704	84+92.87	33.51' LT	613815.24	128018.17
705	84+81.93	33.50' LT	613814.38	128007.27
706	84+76.33	37.70' LT	613809.76	128002.01
707	84+88.47	26.43' LT	613821.94	128013.22
708	84+87.05	28.51' LT	613819.76	128011.98
709	84+81.93	28.50' LT	613819.37	128006.87
710	84+82.97	23.34' LT	613824.60	128007.50
711	84+81.93	25.62' LT	613822.24	128006.64
712	84+77.61	21.37' LT	613826.13	128002.00
713	84+76.93	23.79' LT	613823.66	128001.51
714	84+76.93	28.50' LT	613818.97	128001.89
715	84+67.62	20.00' LT	613826.71	127991.93
716	84+73.19	28.50' LT	613818.67	127998.15
717	84+73.19	33.50' LT	613813.69	127998.55
718	84+57.62	28.51' LT	613817.44	127982.63
719	84+57.62	33.51' LT	613812.45	127983.03
720	85+00.13	39.33' LT	613810.00	128025.87
721	84+95.91	33.15' LT	613815.83	128021.17
722	84+74.34	20.62' LT	613826.63	127998.68

POINT TABLE

POINT	STATION	OFFSET	X COORDS	Y COORDS
750	84+71.95	16.17' RT	613863.11	127993.39
751	84+76.93	16.17' RT	613863.50	127998.36
752	84+81.95	16.17' RT	613863.90	128003.36
753	84+86.93	16.18' RT	613864.30	128008.32
754	84+76.93	18.68' RT	613866.00	127998.16
755	84+81.93	18.68' RT	613866.40	128003.15
756	84+66.93	24.48' RT	613871.00	127987.74
757	84+66.93	29.48' RT	613875.98	127987.34
758	84+76.93	24.46' RT	613871.77	127997.71
759	84+76.96	29.46' RT	613876.75	127997.33
760	84+81.93	24.44' RT	613872.14	128002.69
761	84+81.96	29.44' RT	613877.12	128002.32
762	84+91.93	24.42' RT	613872.91	128012.66
763	84+91.93	29.42' RT	613877.89	128012.27

SHEET 4 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CURB RAMP DETAILS	SHEET E

PRE_20

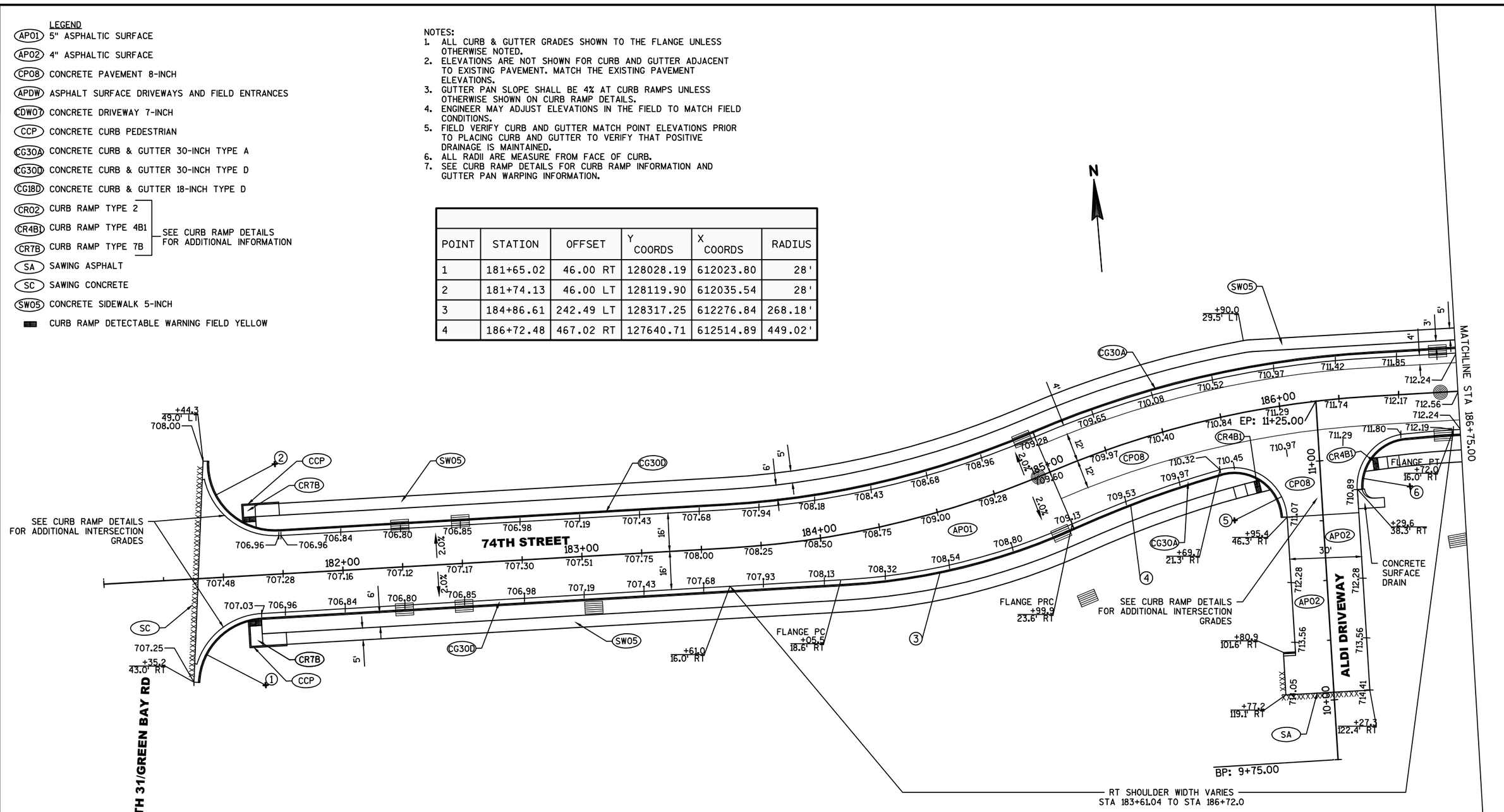
LEGEND

- (APO1) 5" ASPHALTIC SURFACE
- (APO2) 4" ASPHALTIC SURFACE
- (CPO8) CONCRETE PAVEMENT 8-INCH
- (APDW) ASPHALT SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (CDWO7) CONCRETE DRIVEWAY 7-INCH
- (CCP) CONCRETE CURB PEDESTRIAN
- (CG30A) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (CG30D) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (CG18D) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (CRO2) CURB RAMP TYPE 2
- (CR4B1) CURB RAMP TYPE 4B1
- (CR7B) CURB RAMP TYPE 7B

  — SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION
- (SA) SAWING ASPHALT
- (SC) SAWING CONCRETE
- (SWO5) CONCRETE SIDEWALK 5-INCH
- CURB RAMP DETECTABLE WARNING FIELD YELLOW

NOTES:
1. ALL CURB & GUTTER GRADES SHOWN TO THE FLANGE UNLESS OTHERWISE NOTED.
2. ELEVATIONS ARE NOT SHOWN FOR CURB AND GUTTER ADJACENT TO EXISTING PAVEMENT. MATCH THE EXISTING PAVEMENT ELEVATIONS.
3. GUTTER PAN SLOPE SHALL BE 4% AT CURB RAMPS UNLESS OTHERWISE SHOWN ON CURB RAMP DETAILS.
4. ENGINEER MAY ADJUST ELEVATIONS IN THE FIELD TO MATCH FIELD CONDITIONS.
5. FIELD VERIFY CURB AND GUTTER MATCH POINT ELEVATIONS PRIOR TO PLACING CURB AND GUTTER TO VERIFY THAT POSITIVE DRAINAGE IS MAINTAINED.
6. ALL RADII ARE MEASURE FROM FACE OF CURB.
7. SEE CURB RAMP DETAILS FOR CURB RAMP INFORMATION AND GUTTER PAN WARPING INFORMATION.

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
1	181+65.02	46.00 RT	128028.19	612023.80	28'
2	181+74.13	46.00 LT	128119.90	612035.54	28'
3	184+86.61	242.49 LT	128317.25	612276.84	268.18'
4	186+72.48	467.02 RT	127640.71	612514.89	449.02'



POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
5	185+99.63	41.82 RT	128061.82	612432.90	20'
6	186+71.96	38.00 RT	128069.66	612507.12	20'

SHEET 1 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PLAN DETAILS	SHEET E

PRE_21

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\021202-PD-74TH.DWG
LAYOUT NAME - 021202-PD-74TH - SHEET - (1)

PLOT DATE : 8/29/2019 3:14 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

LEGEND

APO1	5" ASPHALTIC SURFACE
APO2	4" ASPHALTIC SURFACE
CPO8	CONCRETE PAVEMENT 8-INCH
APDW	ASPHALT SURFACE DRIVEWAYS AND FIELD ENTRANCES
CDWO7	CONCRETE DRIVEWAY 7-INCH
CCP	CONCRETE CURB PEDESTRIAN
CG30A	CONCRETE CURB & GUTTER 30-INCH TYPE A
CG30D	CONCRETE CURB & GUTTER 30-INCH TYPE D
CG18D	CONCRETE CURB & GUTTER 18-INCH TYPE D
CR02	CURB RAMP TYPE 2
CR4B1	CURB RAMP TYPE 4B1
CR7B	CURB RAMP TYPE 7B

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

SA	SAWING ASPHALT
SC	SAWING CONCRETE
SW05	CONCRETE SIDEWALK 5-INCH
	CURB RAMP DETECTABLE WARNING FIELD YELLOW

N

MATCHLINE STA 186+75.00

74TH STREET

TAPER CURB HEIGHT TO 0"

TAPER CURB HEIGHT TO 0"

FENCE CHAIN LINK 6-FT

VEHICLE GATE IN CHAIN LINK FENCE 16-FT WIDE STA 189+36 - STA 189+52

MAINTENANCE OPENING IN CURB, 16-FT WIDE STA 189+35 - STA 189+54, LT (SEE CONSTRUCTION DETAILS)

RETAINING WALL R-30-61

FENCE SPLIT RAIL THREE RAIL

FENCE CHAIN LINK 6-FT

REJECT GUTTER

MATCHLINE STA 192+00.00

NOTES:
1. ALL CURB & GUTTER GRADES SHOWN TO THE FLANGE UNLESS OTHERWISE NOTED.
2. ELEVATIONS ARE NOT SHOWN FOR CURB AND GUTTER ADJACENT TO EXISTING PAVEMENT. MATCH THE EXISTING PAVEMENT ELEVATIONS.
3. GUTTER PAN SLOPE SHALL BE 4% AT CURB RAMPS UNLESS OTHERWISE SHOWN ON CURB RAMP DETAILS.
4. ENGINEER MAY ADJUST ELEVATIONS IN THE FIELD TO MATCH FIELD CONDITIONS.
5. FIELD VERIFY CURB AND GUTTER MATCH POINT ELEVATIONS PRIOR TO PLACING CURB AND GUTTER TO VERIFY THAT POSITIVE DRAINAGE IS MAINTAINED.
6. ALL RADII ARE MEASURE FROM FACE OF CURB.
7. SEE CURB RAMP DETAILS FOR CURB RAMP INFORMATION AND GUTTER PAN WARPING INFORMATION.

SHEET 2 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PLAN DETAILS	SHEET E

PRE_22

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\021202-PD-74TH.DWG
LAYOUT NAME - 021202-PD-74TH - SHEET - (2)
PLOT DATE : 8/30/2019 7:21 AM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

LEGEND

- (APO1) 5" ASPHALTIC SURFACE
- (APO2) 4" ASPHALTIC SURFACE
- (CP08) CONCRETE PAVEMENT 8-INCH
- (APDW) ASPHALT SURFACE DRIVEWAYS AND FIELD ENTRANCES
- (CDW07) CONCRETE DRIVEWAY 7-INCH
- (CCP) CONCRETE CURB PEDESTRIAN
- (CG30A) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (CG30D) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (CG18D) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (CRO2) CURB RAMP TYPE 2
- (CR4B1) CURB RAMP TYPE 4B1
- (CR7B) CURB RAMP TYPE 7B

SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION

- (SA) SAWING ASPHALT
- (SC) SAWING CONCRETE
- (SW05) CONCRETE SIDEWALK 5-INCH
- CURB RAMP DETECTABLE WARNING FIELD YELLOW

NOTES:
1. ALL CURB & GUTTER GRADES SHOWN TO THE FLANGE UNLESS OTHERWISE NOTED.
2. ELEVATIONS ARE NOT SHOWN FOR CURB AND GUTTER ADJACENT TO EXISTING PAVEMENT. MATCH THE EXISTING PAVEMENT ELEVATIONS.
3. GUTTER PAN SLOPE SHALL BE 4% AT CURB RAMPS UNLESS OTHERWISE SHOWN ON CURB RAMP DETAILS.
4. ENGINEER MAY ADJUST ELEVATIONS IN THE FIELD TO MATCH FIELD CONDITIONS.
5. FIELD VERIFY CURB AND GUTTER MATCH POINT ELEVATIONS PRIOR TO PLACING CURB AND GUTTER TO VERIFY THAT POSITIVE DRAINAGE IS MAINTAINED.
6. ALL RADII ARE MEASURE FROM FACE OF CURB.
7. SEE CURB RAMP DETAILS FOR CURB RAMP INFORMATION AND GUTTER PAN WARPING INFORMATION.

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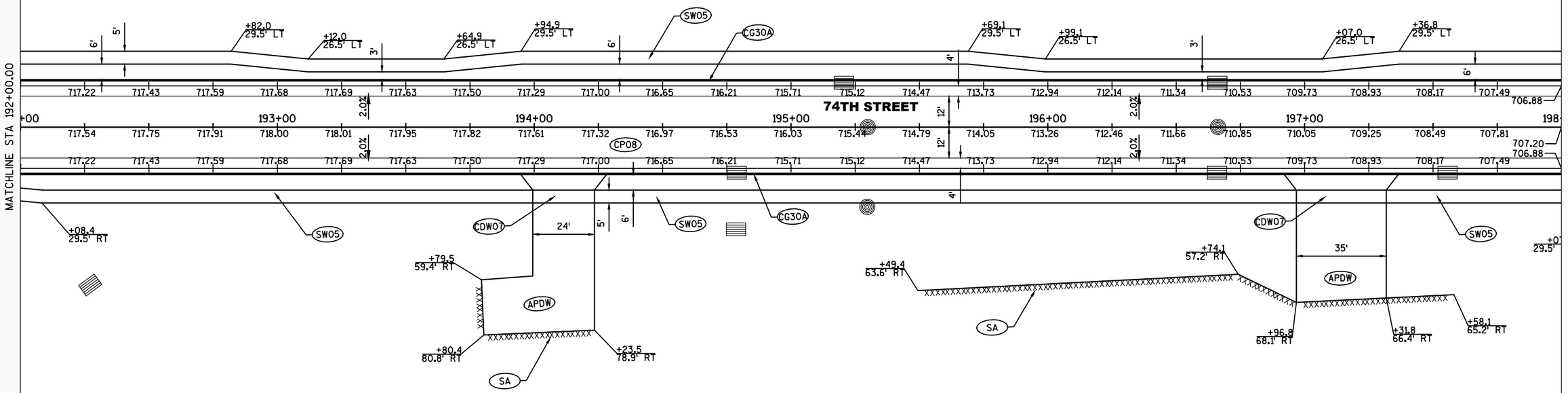


SHEET 3 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY:KENOSHA	PLAN DETAILS	SHEET E

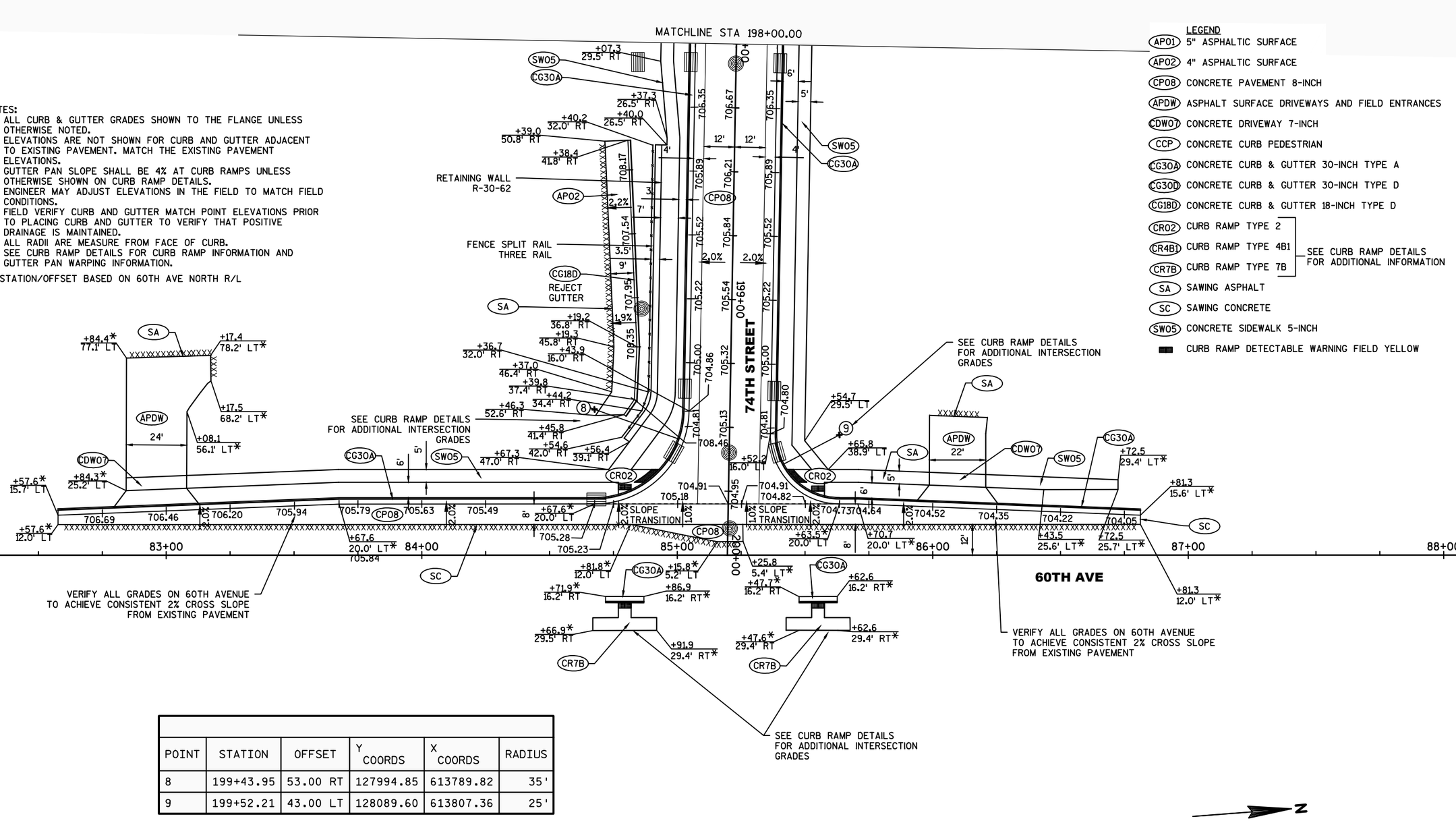
PRE_23

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\021202-PD-74TH.DWG
LAYOUT NAME - 021202-PD-74TH - SHEET - (3)

PLOT DATE : 8/29/2019 3:14 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

NOTES:
1. ALL CURB & GUTTER GRADES SHOWN TO THE FLANGE UNLESS OTHERWISE NOTED.
2. ELEVATIONS ARE NOT SHOWN FOR CURB AND GUTTER ADJACENT TO EXISTING PAVEMENT. MATCH THE EXISTING PAVEMENT ELEVATIONS.
3. GUTTER PAN SLOPE SHALL BE 4% AT CURB RAMPS UNLESS OTHERWISE SHOWN ON CURB RAMP DETAILS.
4. ENGINEER MAY ADJUST ELEVATIONS IN THE FIELD TO MATCH FIELD CONDITIONS.
5. FIELD VERIFY CURB AND GUTTER MATCH POINT ELEVATIONS PRIOR TO PLACING CURB AND GUTTER TO VERIFY THAT POSITIVE DRAINAGE IS MAINTAINED.
6. ALL RADII ARE MEASURE FROM FACE OF CURB.
7. SEE CURB RAMP DETAILS FOR CURB RAMP INFORMATION AND GUTTER PAN WARPING INFORMATION.

* STATION/OFFSET BASED ON 60TH AVE NORTH R/L



POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
8	199+43.95	53.00 RT	127994.85	613789.82	35'
9	199+52.21	43.00 LT	128089.60	613807.36	25'

LEGEND
- AP01 5" ASPHALTIC SURFACE
- AP02 4" ASPHALTIC SURFACE
- CP08 CONCRETE PAVEMENT 8-INCH
- APDW ASPHALT SURFACE DRIVEWAYS AND FIELD ENTRANCES
- CDW07 CONCRETE DRIVEWAY 7-INCH
- CCP CONCRETE CURB PEDESTRIAN
- CG30A CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG30D CONCRETE CURB & GUTTER 30-INCH TYPE D
- CG18D CONCRETE CURB & GUTTER 18-INCH TYPE D
- CR02 CURB RAMP TYPE 2
- CR4B1 CURB RAMP TYPE 4B1
- CR7B CURB RAMP TYPE 7B

  (SEE CURB RAMP DETAILS FOR ADDITIONAL INFORMATION)
- SA SAWING ASPHALT
- SC SAWING CONCRETE
- SW05 CONCRETE SIDEWALK 5-INCH
- CURB RAMP DETECTABLE WARNING FIELD YELLOW

SHEET 4 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY:KENOSHA	PLAN DETAILS	SHEET E

PRE_24

GENERAL NOTES

ALL DISTURBED AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE WILL BE STABILIZED WITH TOPSOIL, FERTILIZER AND SOD OR SEED/EROSION MAT, AS SHOWN ON THE PLANS, WITHIN 7 DAYS OF THE END OF ACTIVE DISTURBANCE OF SOIL SURFACES; OTHERWISE INTERIM SOIL STABILIZATION METHODS ARE REQUIRED.

PLACE INLET PROTECTION AS FOLLOWS:
- TYPE A AT ALL INLETS DURING GRADING OPERATIONS.
- TYPE A AT ALL FIELD INLETS UNTIL COMPLETION OF THE PROJECT.
- TYPE C AT ALL INLETS AFTER PAVING AND UNTIL COMPLETION OF PROJECT.
- TYPE D AT ALL INLETS IN LOW POINTS AFTER PAVING AND UNTIL COMPLETION OF PROJECT.

ALL AREAS OF EROSION MAT URBAN CLASS I, TYPE B SHALL ALSO HAVE TOPSOIL, FERTILIZER TYPE B, AND SEED MIX NO. 20.

PLACE SILT FENCE 5' OUTSIDE SLOPE INTERCEPT LINE, UNLESS OTHERWISE NOTED.

LEGEND

- ###### EROSION MAT CLASS I, TYPE B URBAN
- TOPSOIL, FERTILIZER TYPE B, AND SOD
- SILT FENCE
- EROSION BALE
- RIP RAP LIGHT
- SLOPE INTERCEPT
- INLET PROTECTION
- (A) (B) (C) (D) INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

TRACKING PAD REQUIRED AT PROJECT ENTRANCE/EXIT

74TH STREET

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

MATCHLINE STA 186+00.00

STH 31/GREEN BAY RD

WETLAND BOUNDARY (TYP)

TLE

R/W

SHEET 1 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET E

PRE_25

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\022002-EC-74TH.DWG
LAYOUT NAME - 022002-EC-74TH - SHEET - (1)

PLOT DATE : 8/29/2019 3:16 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

GENERAL NOTES

ALL DISTURBED AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE WILL BE STABILIZED WITH TOPSOIL, FERTILIZER AND SOD OR SEED/EROSION MAT, AS SHOWN ON THE PLANS, WITHIN 7 DAYS OF THE END OF ACTIVE DISTURBANCE OF SOIL SURFACES; OTHERWISE INTERIM SOIL STABILIZATION METHODS ARE REQUIRED.

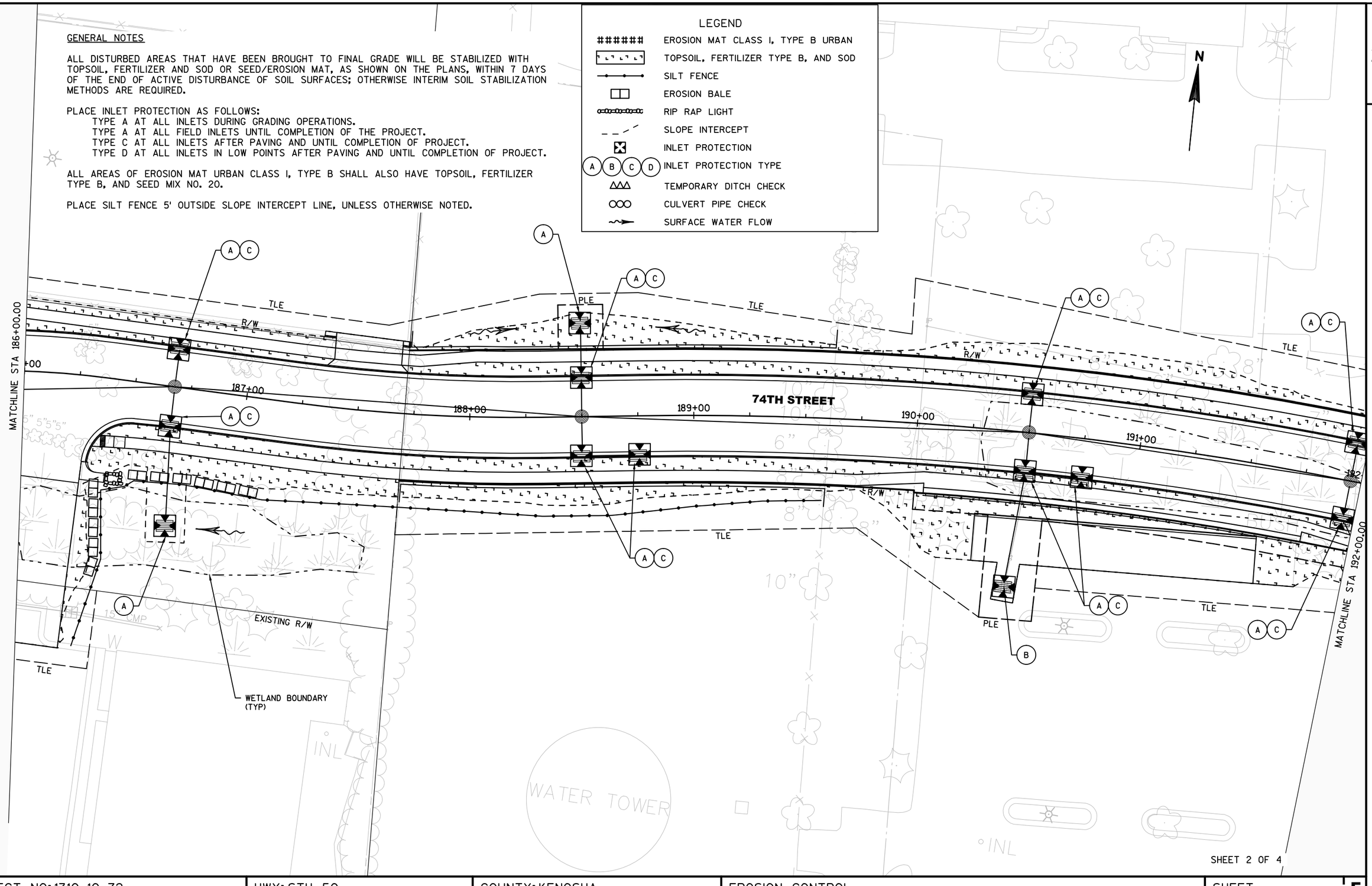
PLACE INLET PROTECTION AS FOLLOWS:
- TYPE A AT ALL INLETS DURING GRADING OPERATIONS.
- TYPE A AT ALL FIELD INLETS UNTIL COMPLETION OF THE PROJECT.
- TYPE C AT ALL INLETS AFTER PAVING AND UNTIL COMPLETION OF PROJECT.
- TYPE D AT ALL INLETS IN LOW POINTS AFTER PAVING AND UNTIL COMPLETION OF PROJECT.

ALL AREAS OF EROSION MAT URBAN CLASS I, TYPE B SHALL ALSO HAVE TOPSOIL, FERTILIZER TYPE B, AND SEED MIX NO. 20.

PLACE SILT FENCE 5' OUTSIDE SLOPE INTERCEPT LINE, UNLESS OTHERWISE NOTED.

LEGEND

- ###### EROSION MAT CLASS I, TYPE B URBAN
- TOPSOIL, FERTILIZER TYPE B, AND SOD
- SILT FENCE
- EROSION BALE
- RIP RAP LIGHT
- SLOPE INTERCEPT
- INLET PROTECTION
- (A) (B) (C) (D) INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW



SHEET 2 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET E

PRE_26

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\022002-EC-74TH.DWG
LAYOUT NAME - 022002-EC-74TH - SHEET - (2)

PLOT DATE : 8/29/2019 3:16 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

GENERAL NOTES

ALL DISTURBED AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE WILL BE STABILIZED WITH TOPSOIL, FERTILIZER AND SOD OR SEED/EROSION MAT, AS SHOWN ON THE PLANS, WITHIN 7 DAYS OF THE END OF ACTIVE DISTURBANCE OF SOIL SURFACES; OTHERWISE INTERIM SOIL STABILIZATION METHODS ARE REQUIRED.

PLACE INLET PROTECTION AS FOLLOWS:
- TYPE A AT ALL INLETS DURING GRADING OPERATIONS.
- TYPE A AT ALL FIELD INLETS UNTIL COMPLETION OF THE PROJECT.
- TYPE C AT ALL INLETS AFTER PAVING AND UNTIL COMPLETION OF PROJECT.
- TYPE D AT ALL INLETS IN LOW POINTS AFTER PAVING AND UNTIL COMPLETION OF PROJECT.

ALL AREAS OF EROSION MAT URBAN CLASS I, TYPE B SHALL ALSO HAVE TOPSOIL, FERTILIZER TYPE B, AND SEED MIX NO. 20.

PLACE SILT FENCE 5' OUTSIDE SLOPE INTERCEPT LINE, UNLESS OTHERWISE NOTED.

LEGEND

- ###### EROSION MAT CLASS I, TYPE B URBAN
- TOPSOIL, FERTILIZER TYPE B, AND SOD
- SILT FENCE
- EROSION BALE
- RIP RAP LIGHT
- SLOPE INTERCEPT
- INLET PROTECTION
- (A) (B) (C) (D) INLET PROTECTION TYPE
- TEMPORARY DITCH CHECK
- CULVERT PIPE CHECK
- SURFACE WATER FLOW

N

WETLAND BOUNDARY (TYP)

TLE

R/W

74TH STREET

MATCHLINE STA 192+00.00

MATCHLINE STA 198+00.00

192+00 193+00 194+00 195+00 196+00 197+00 198+00

PLE

TLE

SIGN

SHEET 3 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET E

PRE_27

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\022002-EC-74TH.DWG
LAYOUT NAME - 022002-EC-74TH - SHEET - (3)

PLOT DATE : 8/29/2019 3:17 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 42

2

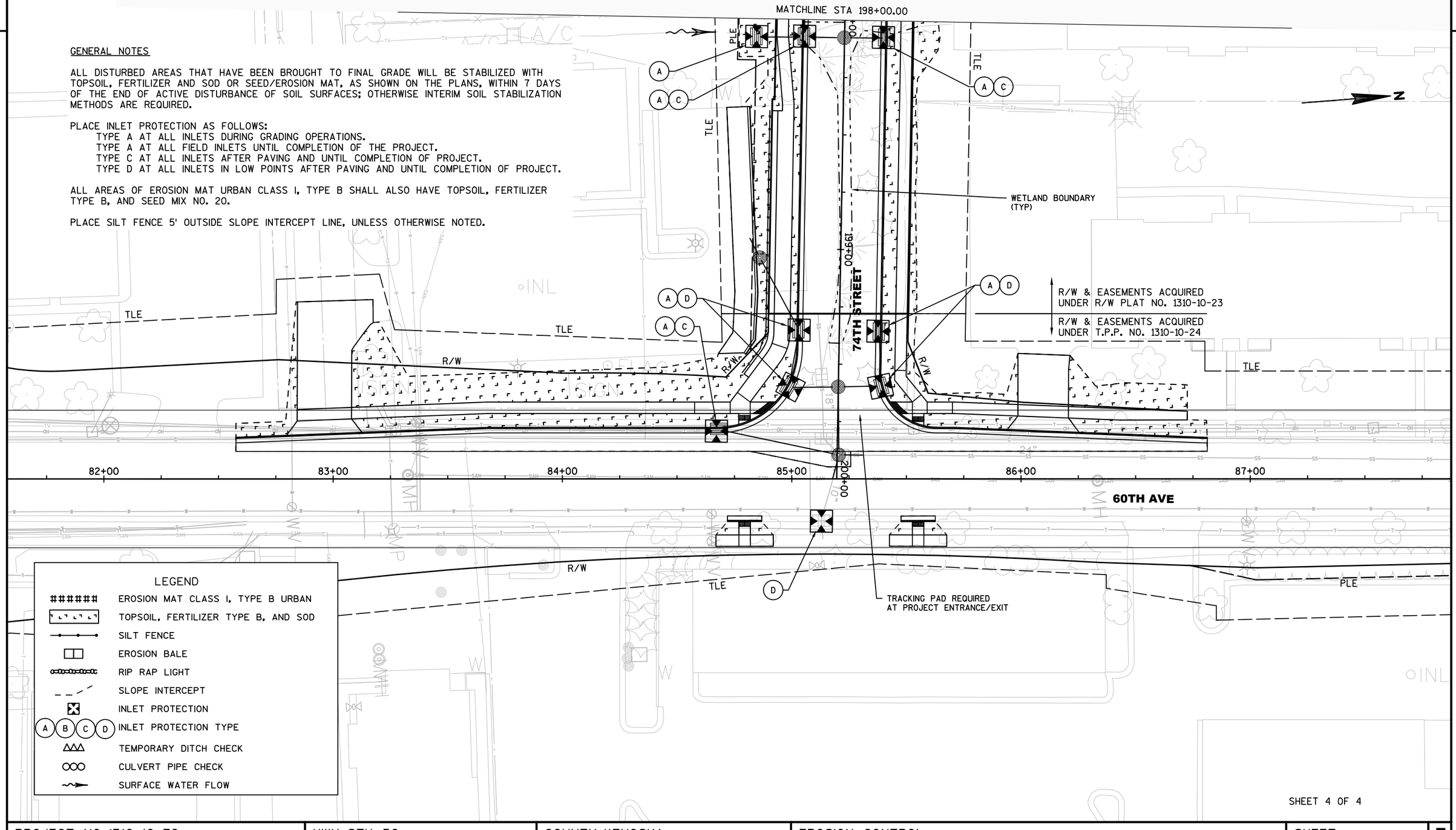
GENERAL NOTES

ALL DISTURBED AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE WILL BE STABILIZED WITH TOPSOIL, FERTILIZER AND SOD OR SEED/EROSION MAT, AS SHOWN ON THE PLANS, WITHIN 7 DAYS OF THE END OF ACTIVE DISTURBANCE OF SOIL SURFACES; OTHERWISE INTERIM SOIL STABILIZATION METHODS ARE REQUIRED.

PLACE INLET PROTECTION AS FOLLOWS:
- TYPE A AT ALL INLETS DURING GRADING OPERATIONS.
- TYPE A AT ALL FIELD INLETS UNTIL COMPLETION OF THE PROJECT.
- TYPE C AT ALL INLETS AFTER PAVING AND UNTIL COMPLETION OF PROJECT.
- TYPE D AT ALL INLETS IN LOW POINTS AFTER PAVING AND UNTIL COMPLETION OF PROJECT.

ALL AREAS OF EROSION MAT URBAN CLASS I, TYPE B SHALL ALSO HAVE TOPSOIL, FERTILIZER TYPE B, AND SEED MIX NO. 20.

PLACE SILT FENCE 5' OUTSIDE SLOPE INTERCEPT LINE, UNLESS OTHERWISE NOTED.



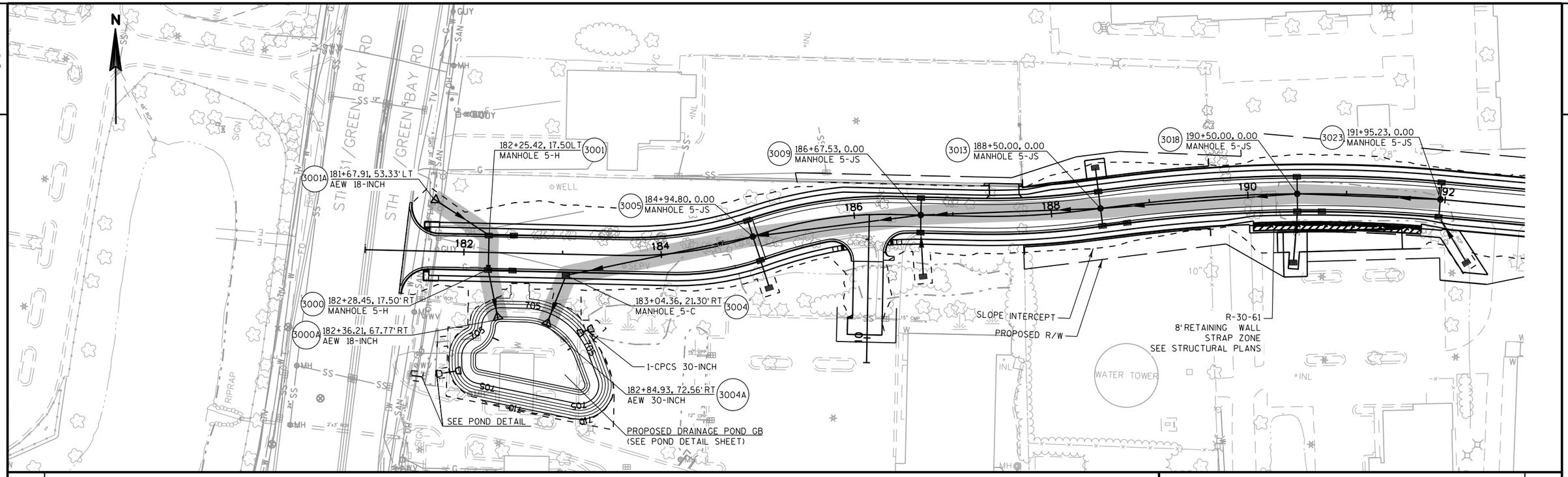
SHEET 4 OF 4

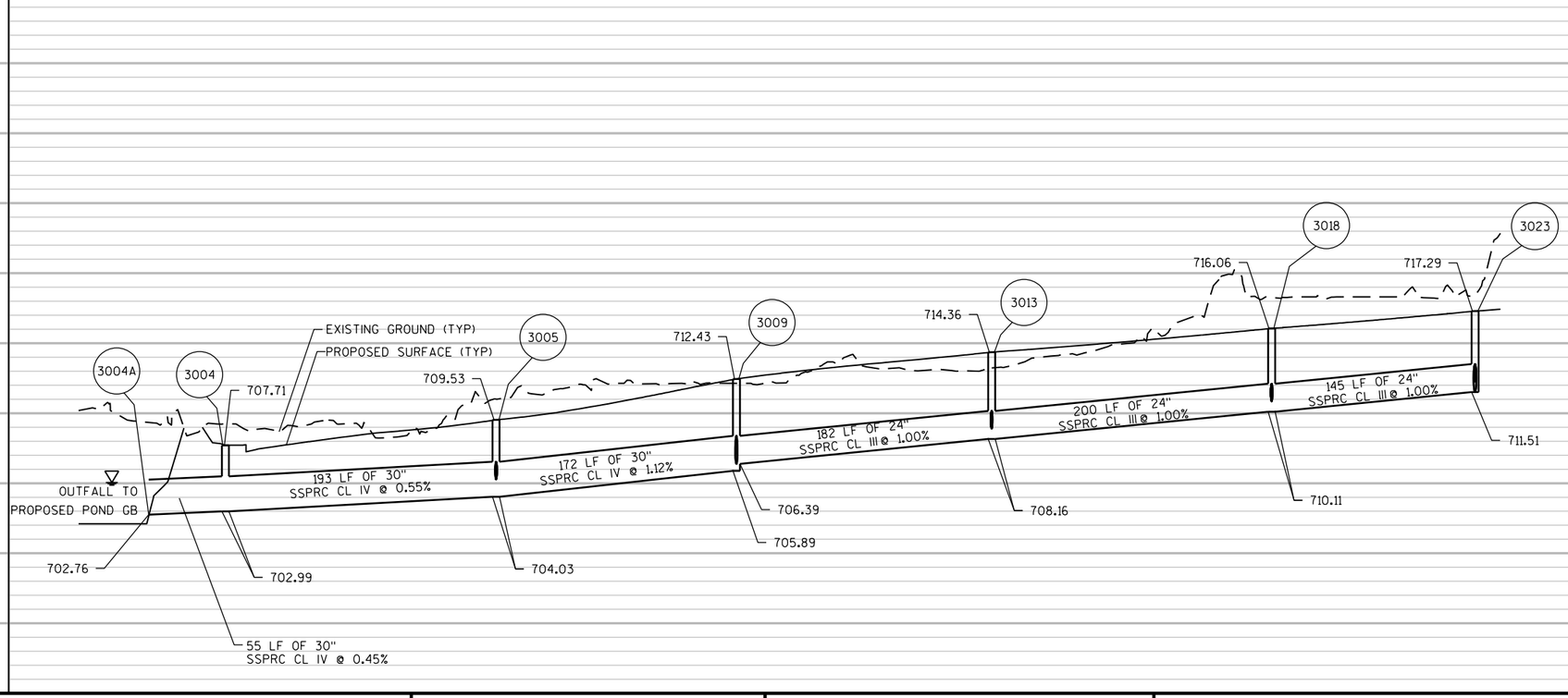
PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	EROSION CONTROL	SHEET E

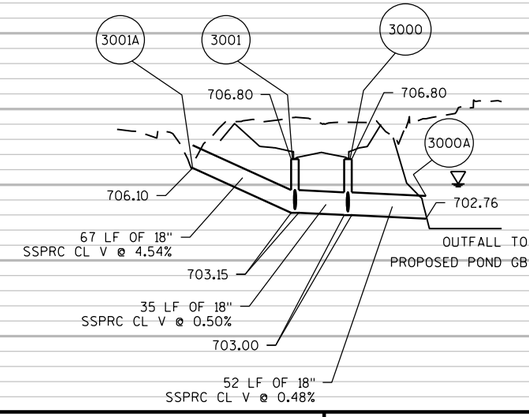
PRE_28

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\022002-EC-74TH.DWG
LAYOUT NAME - 022002-EC-74TH - SHEET - (4)
PLOT DATE : 8/29/2019 3:18 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

2



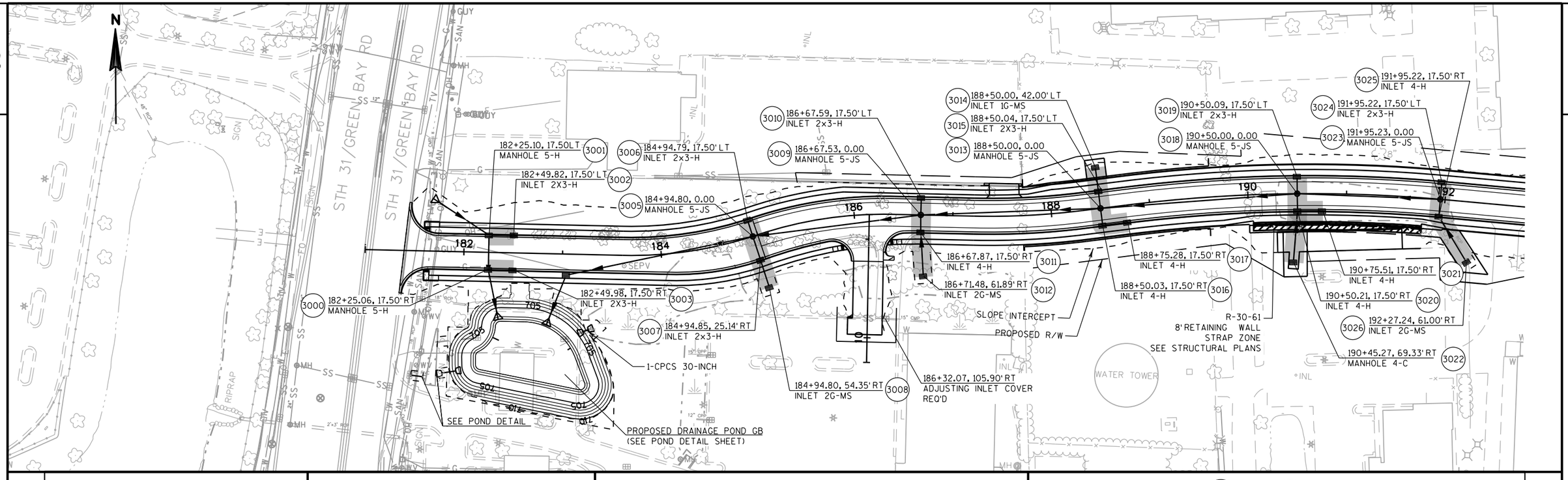


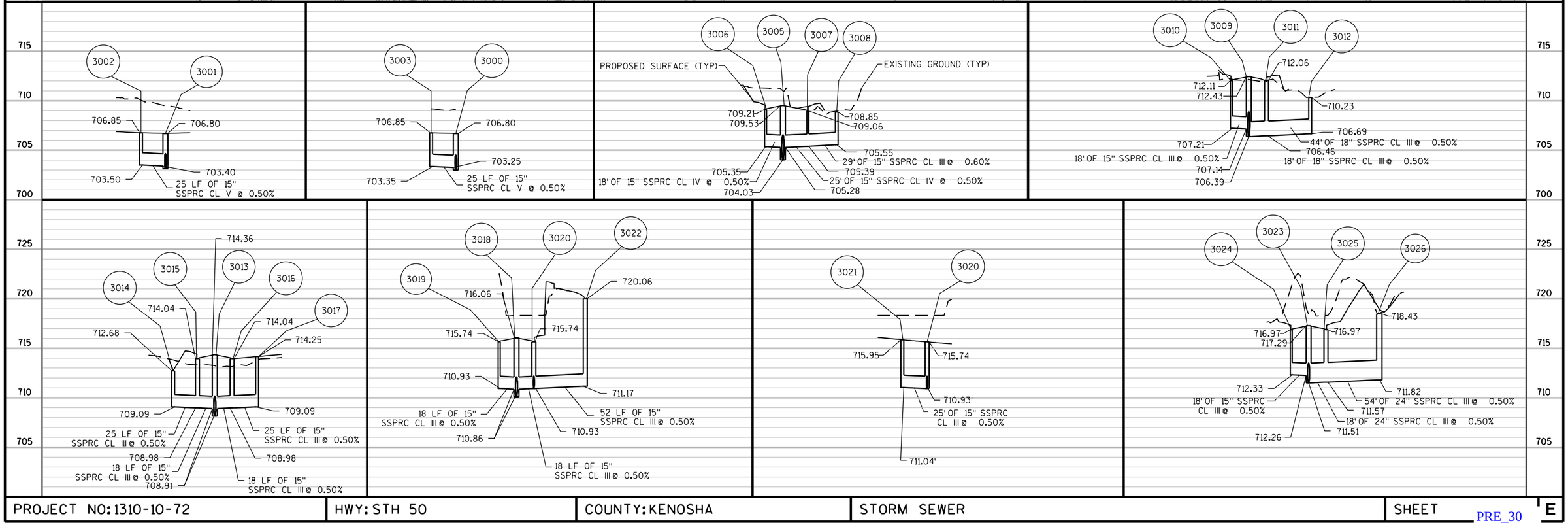


PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	STORM SEWER	SHEET E

FILE NAME : \\milw00\ingrproj\56470\1310-10-72_LocalRoads\t1\cds\022501_ss.dgn PLOT DATE : 8/22/2019 9:38:02 AM PLOT BY : zpilichowski PLOT NAME : PLOT SCALE : 100:1

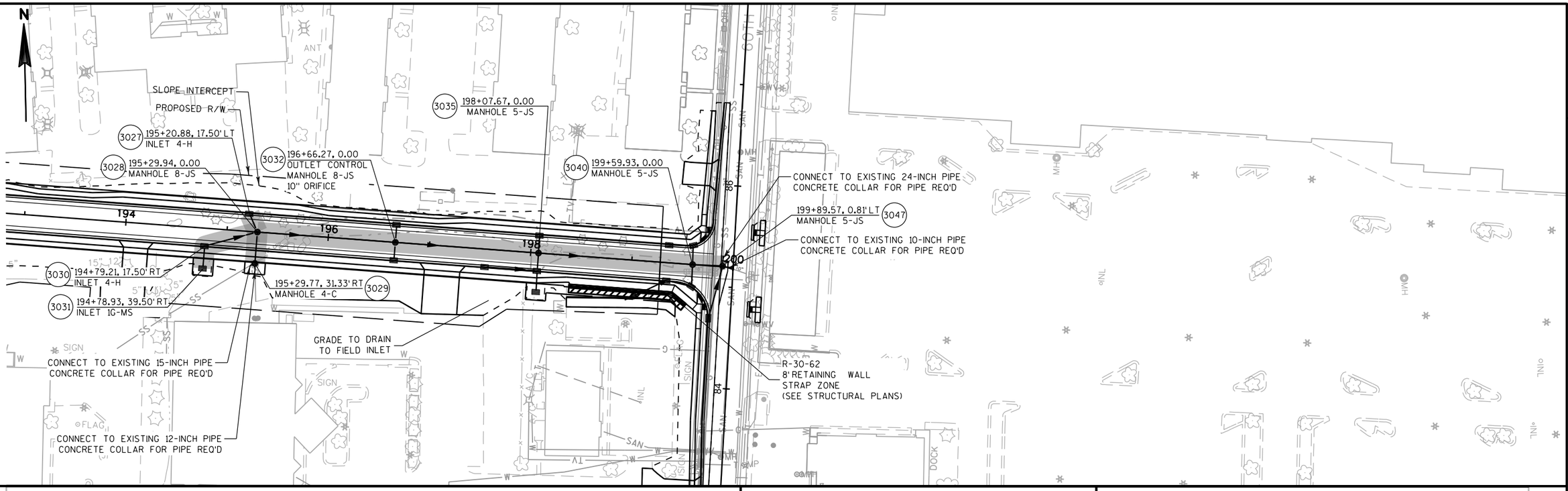
2

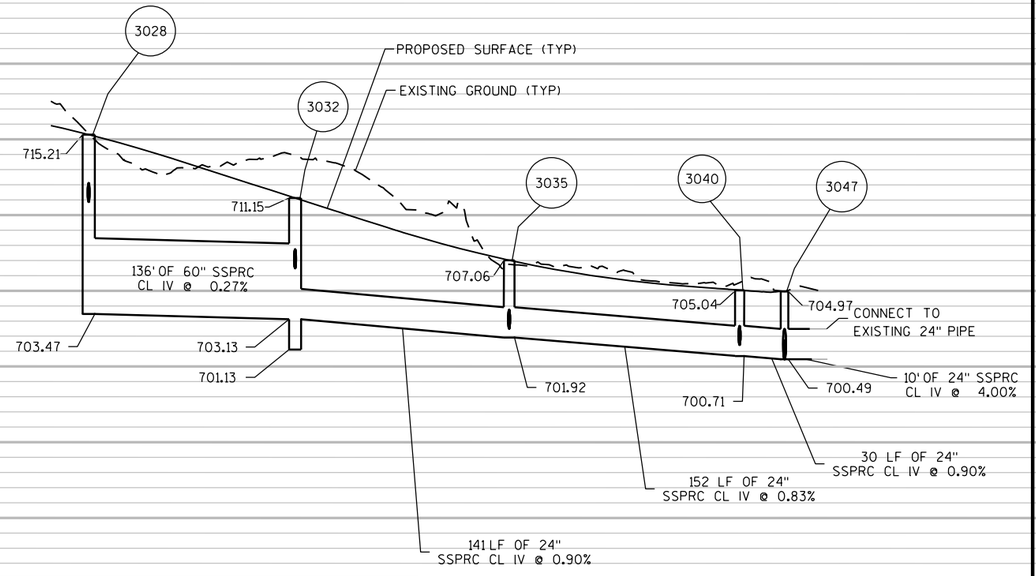


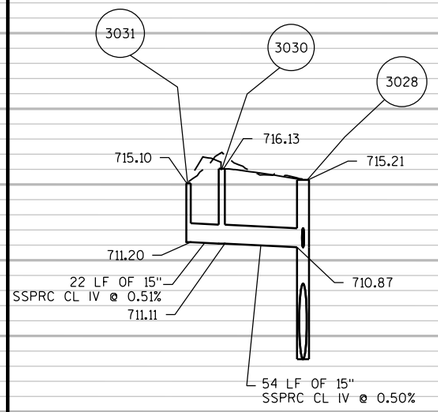


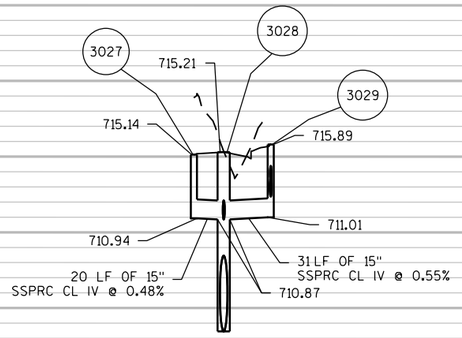
PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	STORM SEWER	SHEET E

PRE_30

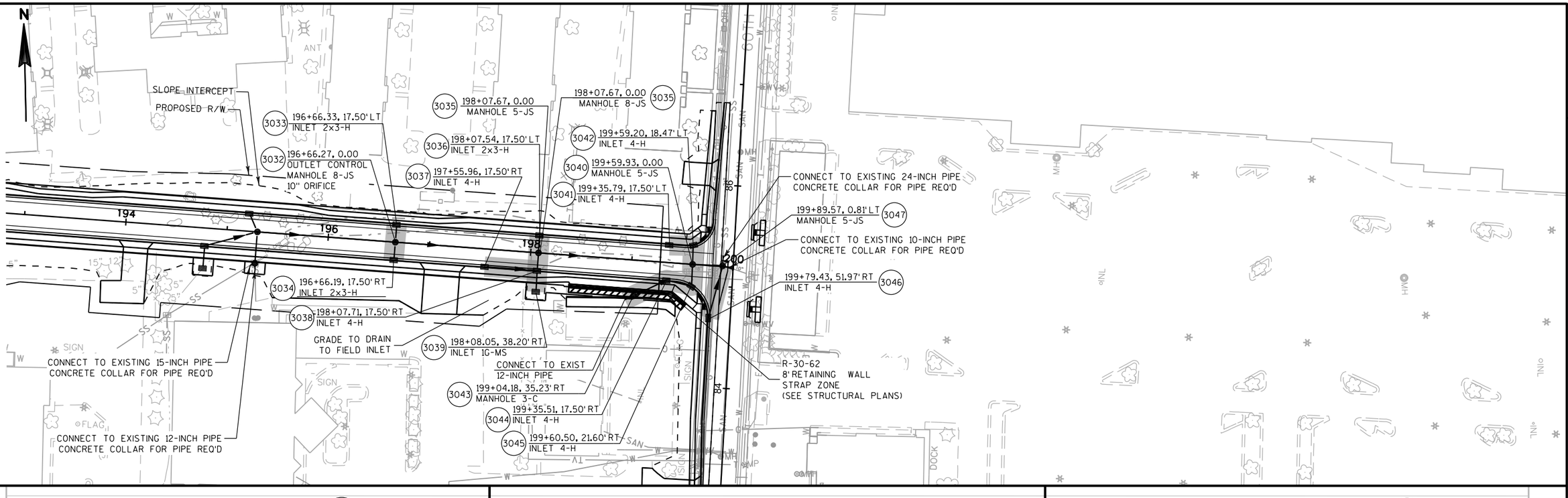


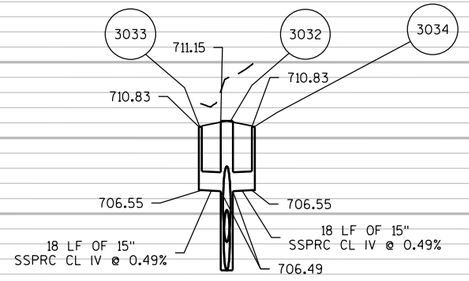


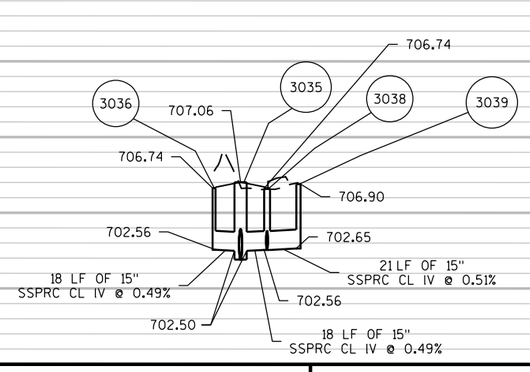


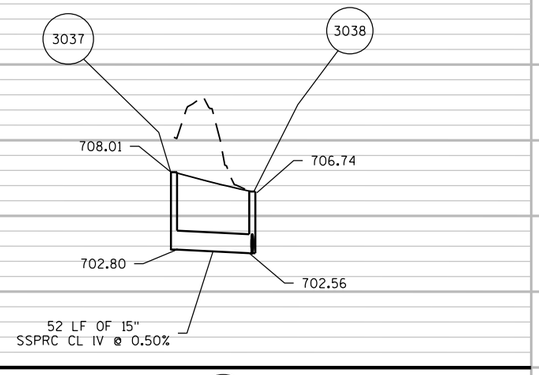


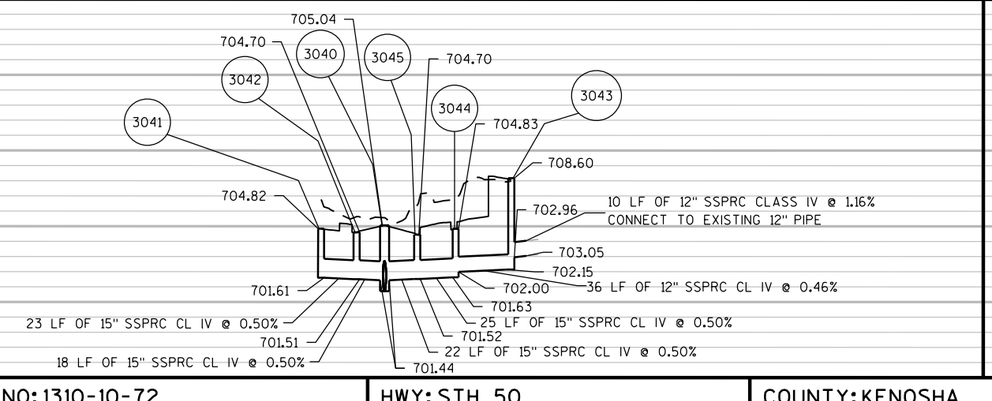
PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	STORM SEWER	SHEET E

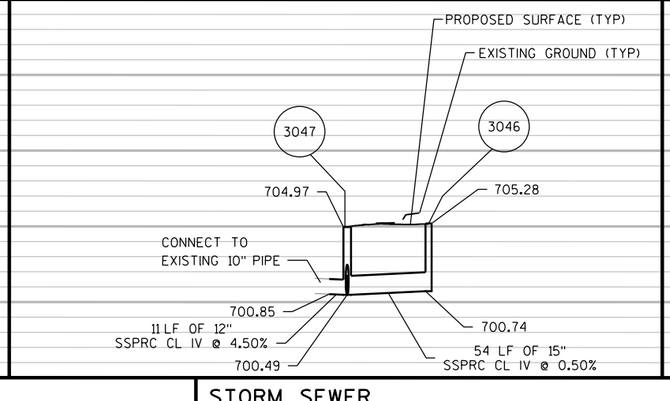


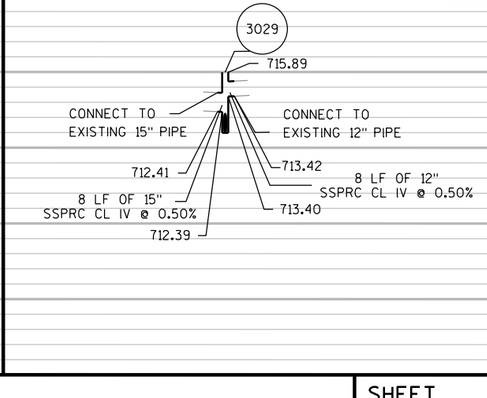












PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	STORM SEWER	SHEET E

PRE_32

2

N

STH 31/GREEN BAY

FLARED END SECTION

EMERGENCY SPILLWAY
EL 707.70
20' WIDE

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

74TH ST

FLARED END SECTION

1-CPCS 30-INCH

705.10 NORMAL
WATER LEVEL

PROPOSED DRAINAGE
POND GB

SLOPE INTERCEPT

BOTTOM POND EL=702.10

1-CPRC
36-INCH

CONNECT TO
EXISTING INLET
RECONSTRUCTING INLET

4000 181+48.58, 126.19' RT

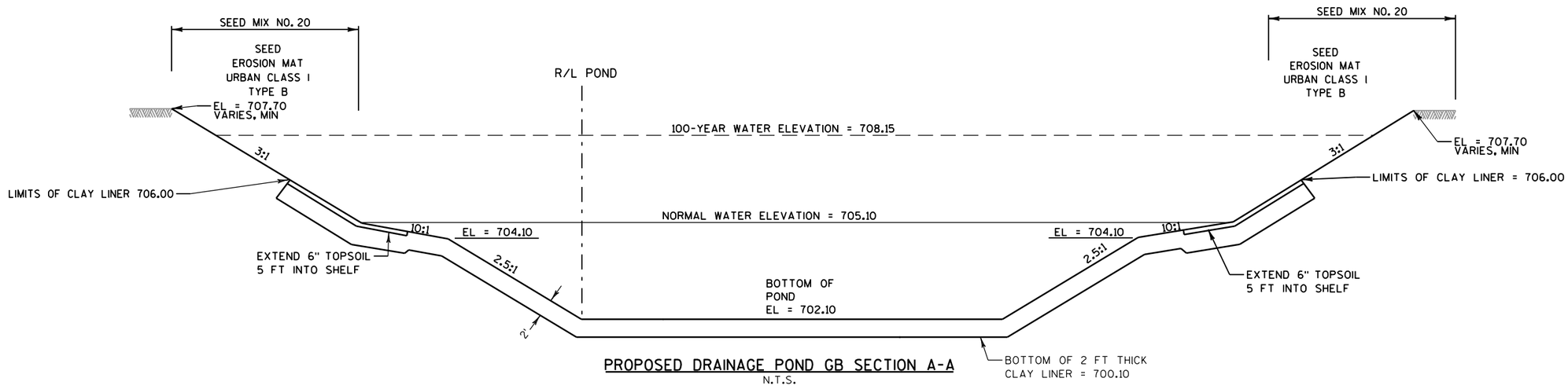
4001 181+60.65, 127.51' RT
AEW 12-INCH

705 710 12.00 11.00

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	STORMWATER MANAGEMENT - POND DETAILS	SHEET E

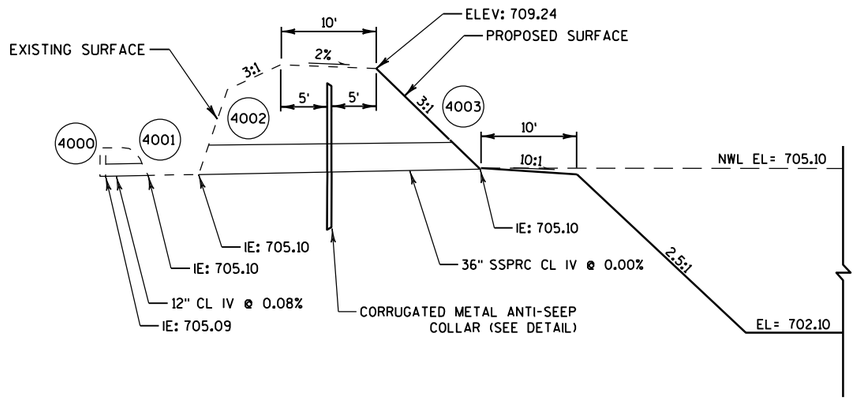
PRE_33

FILE NAME : \\milw00\ingrproj\56470\1310-10-72_LocalRoads\t1\cds\022901_sw.dgn PLOT DATE : 8/22/2019 9:39:28 AM PLOT BY : zpilichowski PLOT NAME : PLOT SCALE : 50:1



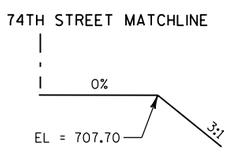
PROPOSED DRAINAGE POND GB SECTION A-A

N.T.S.



PROPOSED DRAINAGE POND GB SECTION B-B

N.T.S.

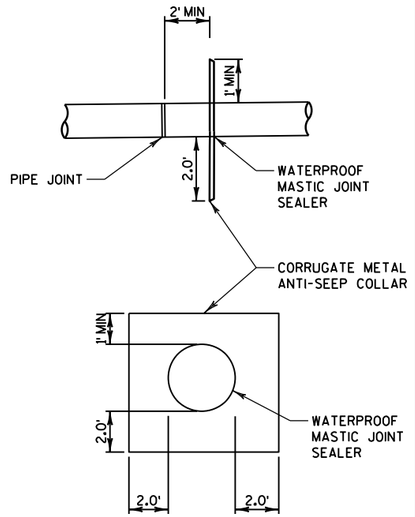


TYPICAL SECTION POND ACCESS ROAD-EMERGENCY SPILLWAY

SECTION C-C

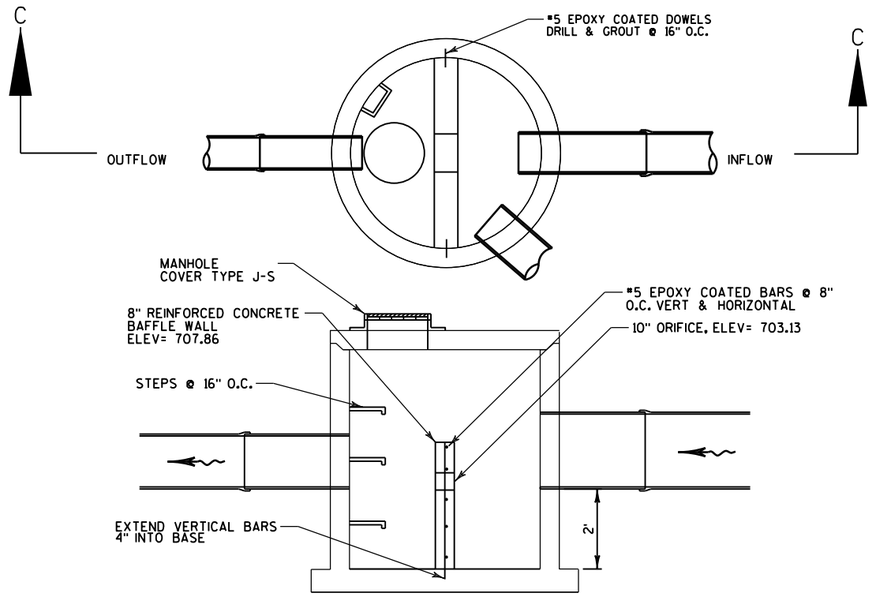
STA 11+54 RT TO STA 11+71 RT

N.T.S.



DETENTION POND
CORRUGATED METAL ANTI-SEEP COLLAR

N.T.S.



SECTION C-C

OUTLET CONTROL MANHOLE

N.T.S.

MANHOLE 3032

MANHOLE 8-JS

SEE MISC. QTY'S FOR PIPE ELEVATIONS AND SIZES

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	STORMWATER MANAGEMENT - CONSTRUCTION DETAILS	SHEET E

PRE_34

FILE NAME : \\milw00\ingrproj\56470\1310-10-72_LocalRoads\t1\cds\022901a_sw.dgn PLOT DATE : 8/22/2019 9:44:21 AM PLOT BY : zpilichowski PLOT NAME : $FILE$ PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) INDICATES SIGN SIZE

N

STH 31/GREEN BAY RD

74TH STREET

BP: 181+00.00

PC: 183+61.04

PT: 184+99.94

182+00

183+00

184+00

185+00

28 R9-3-A
28a USE CROSSWALK
R9-3-BR
SEE DETAIL

27 R9-3-A(2S)
27a USE CROSSWALK
R9-3-BL(2S)
SEE DETAIL

23 STOP R1-1(2S)

24 W3-1(2S)

29 R9-3-A
29a USE CROSSWALK
R9-3-BR
SEE DETAIL

26 R9-3-A(2S)
26a USE CROSSWALK
R9-3-BL(2S)
SEE DETAIL

25 SPEED LIMIT 25 R2-1(2S)

RIM=708.07
24"N=704.36
24"S=704.31
E=FILLED

RIM=708.17
12"E=704.97
12"W=705.04
(FLOW FILLED)

RIM=709.07
12"E=705.27
12"W=705.21

RIM=708.79
12"W=706.3+\- (DIRT IN FLOW)

RIM=710.32
N=701.92
S=701.92
FLOWS SOUTH

RIM=711.08
8"N=709.05
8"E=709.03
10"PVC W=708.90

RIM=707.76
N=700.77
S=700.77
FLOWS SOUTH

RIM=708.23
I.E.=701.4

RIM=708.54

RIM=708.98

RIM=707.27
24"N=703.70
12"E=703.80
24"S=703.70

RIM=706.57
12"S=703.40

RIM=706.58
12"E=703.73
12"W=703.68

RIM=706.90
12"E=703.71
12"W=703.78

RIM=706.82
12"W=704.+\-

RIM=706.96
24"N=703.1+\- (UNDER BELL)
2'-3"S=703.06
2'-4"W=703.06

RIM=709.52
SE=701.24
NW=701.24

RIM=708.18
I.E.=702.4

RIM=710.37
I.E.=707.50

RIM=710.20
I.E.=707.40

SHEET 1 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING	SHEET E

FILE NAME : N:\PDS\C3D\CAD\13101000\SIGN\023201_PS_14-16.DWG
LAYOUT NAME - 023204_ps

PLOT DATE : 4/23/2019 8:00 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

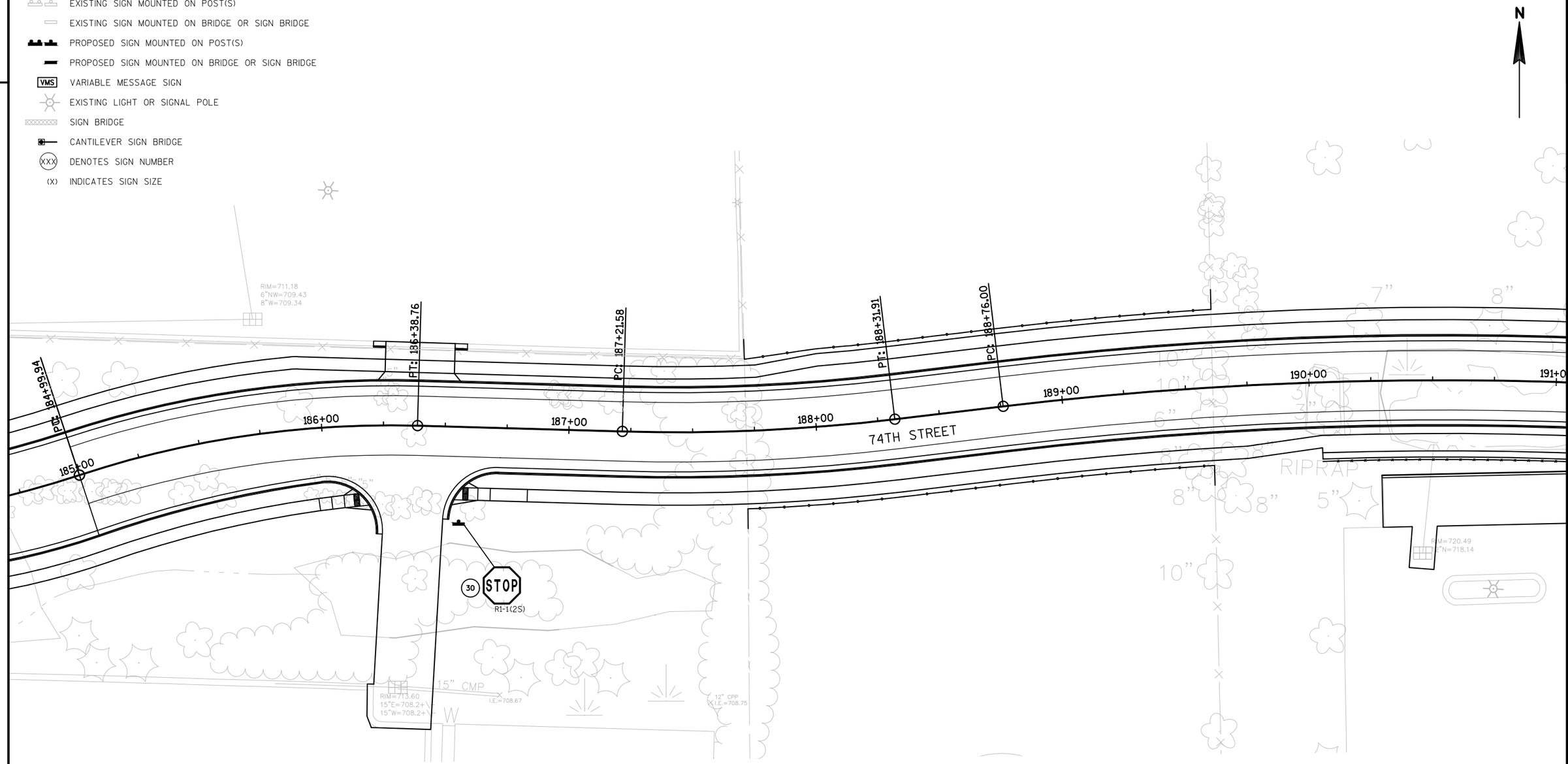
PRE_35

WISDOT/CADDS SHEET 42

2

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE



SHEET 2 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING	SHEET E

FILE NAME : N:\PDS\C3D\CAD\13101000\SIGN\023201_PS_14-16.DWG
LAYOUT NAME - 023205_ps

PLOT DATE : 4/23/2019 8:00 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_36

WISDOT/CADDS SHEET 42

2

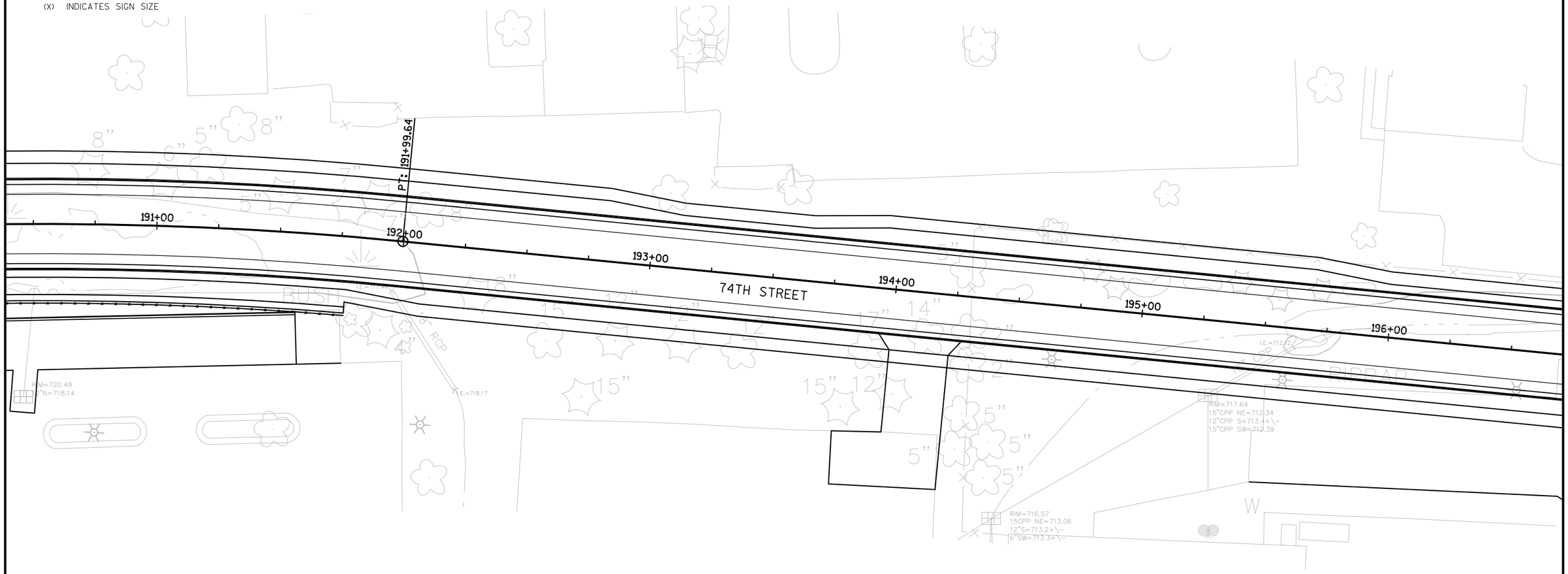
LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE

N

2

NO SIGNS THIS SHEET



SHEET 3 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING	SHEET	E

FILE NAME : N:\PDS\C3D\CAD\13101000\SIGN\023201_PS_14-16.DWG
LAYOUT NAME - 023206_ps

PLOT DATE : 4/23/2019 8:00 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_37

WISDOT/CADDS SHEET 42

LEGEND

- EXISTING SIGN MOUNTED ON POST(S)
- EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- PROPOSED SIGN MOUNTED ON POST(S)
- PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE
- VMS — VARIABLE MESSAGE SIGN
- EXISTING LIGHT OR SIGNAL POLE
- SIGN BRIDGE
- CANTILEVER SIGN BRIDGE
- XXX — DENOTES SIGN NUMBER
- (X) — INDICATES SIGN SIZE

74TH STREET

197+00

198+00

199+00

200+00

87+00

86+00

85+00

84+00

EP: 200+00.00

60TH AVENUE

31 W3-1(2S)

32 W11-2(2S)
32a AHEAD W16-9P(2S)

33 STOP R1-1(2S)

34 W11-2(2S)
34a W16-7L(2S)

35 W11-2(2S)
35a W16-7L(2S)

36 LEFT LANE MUST TURN LEFT R3-7-L(2S)

SHEET 4 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PERMANENT SIGNING	SHEET E

FILE NAME : N:\PDS\C3D\CAD\13101000\SIGN\023201_PS_14-16.DWG
LAYOUT NAME - 023207_ps

PLOT DATE : 4/23/2019 8:01 AM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1 IN:40 FT

PRE_38

WISDOT/CADDS SHEET 42

LIGHTING AND LOCAL STREET LIGHTING SHALL BE INSTALLED IN COMPLIANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTIONS 652 TO 657 AND 659 EXCEPT:

1. DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THESE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

2. LOCATIONS OF THE PVC CONDUITS ARE IDENTIFIED IN THE PLANS WHERE THEY ARE REQUIRED. HOWEVER, UNDER THE APPROVAL OF THE ENGINEER. ADJUSTMENT ON CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. FIELD MARK EACH CONDUIT LOCATION IN RED TO ILLUSTRATE AS BUILT CONDITIONS.

3. THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

4. ALL OPEN AND UNTERMINATED CONDUITS SHALL BE CAPPED OR PLUGGED WITH ENGINEER APPROVED FITTINGS IMMEDIATELY AFTER INSTALLATION.

5. BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR IMMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

6. ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS.

7. PRIOR TO CONDUIT ACCEPTANCE, ALL CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND BE CAPPED WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT, BUT EASILY REMOVED IN THE FUTURE. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.

8. CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX-TO-PULL BOX, JUNCTION BOX OR BASE-TO-BASE, ETC.) UNLESS OTHERWISE NOTED ON PLANS.

9. PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUITS.

10. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS (.PDF FORMAT) FOR ALL THE WORK BEING DONE.

11. CONDUIT LATERALS SHALL BE TRENCHED UNDER PAVEMENT BEFORE PAVEMENT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ROADWAY CONSTRUCTION FOR CONDUIT LATERALS INSTALLATION.

12. PITCH ALL CONDUITS TOWARD PULL BOXES. INSTALL A 2" DRAIN DUCT TO STORM SEWER OR DRAIN SUMP AS REQUIRED FOR DRAINAGE. THE 2" DRAIN DUCT OR SUMP IS INCIDENTAL TO THE PULL BOX BID ITEM AND IS NOT SHOWN.

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

14. HAND DIGGING MAY BE REQUIRED FOR THE LOCATIONS ADJACENT TO EXISTING GAS AND POWER LINES. HAND EXCAVATION SHOULD BE ANTICIPATED & WILL BE CONSIDERED INCIDENTAL TO THE CONCRETE BASES BID ITEM. COORDINATE ALL WORK NEAR GAS LINE WITH WE ENERGIES.

15. UNDERGROUND WIRE & CONDUIT SHOWN ON REMOVAL PLANS FOR REMOVAL SHALL BE ABANDONED IN PLACE UNLESS DIRECTED BY THE ENGINEER. CONTRACTOR MAY CHOOSE TO REMOVE CONDUCTOR AT THEIR OWN EXPENSE.

16. EXISTING CONDUIT AND CID NO LONGER BEING USED IS ABANDONED IN PLACE. THE CONTRACTOR MAY REMOVE ABANDONED WIRING AT THE CONTRACTOR'S EXPENSE. ABANDONED PULL BOX REMOVAL IS INCIDENTAL TO THE ROAD CONSTRUCTION.

17. ALL UNDERGROUND WIRING AND CONDUIT FOR POLES BEING REMOVED IS ABANDONED IN PLACE UNLESS NOTED OTHERWISE. CONTRACTOR MAY SALVAGE ABANDONED WIRING AT HIS OWN EXPENSE.

18. PROVIDE REMOVABLE SEALANT SUCH AS DUCT SEAL IN THE CONDUITS AT THE CABINET, PULL BOXES, AND JUNCTION BOXES TO AVOID CONDENSATION CAUSED BY AIRFLOW THROUGH THE CONDUITS DUE TO TEMPERATURE DIFFERENCE. THIS WORK SHALL BE INCIDENTAL TO THE ASSOCIATED CONDUIT PAY ITEM.

19. PROVIDE MINIMUM CABLE SLACK AS MENTIONED BELOW:

PULL BOXES:	10-FT
POLE BASES:	5-FT ONE WAY IN OR OUT
EMBEDDED JUNCTION BOXES:	3-FT
DISTRIBUTION CENTER/LOAD CENTER:	10-FT

STREET LIGHTING PLANS PREPARED BY:
HNTB CORPORATION
1 S WACKER DRIVE, SUITE 900
CHICAGO, IL 60606

SIGNATURE: _____

DATE: XX/X/2019 SHEETS: 1 TO 5

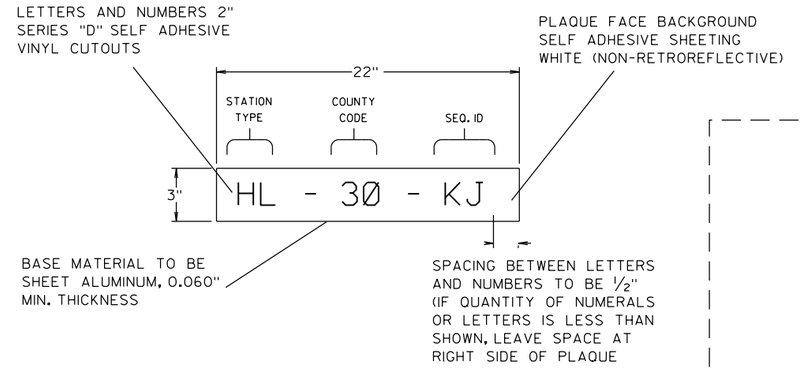
PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	LIGHTING PLAN DETAIL	SHEET E

FILE NAME : \\milw00\ingrproj\56470\1310-10-72_LocalRoads\t1\cds\023521_lp.dgn PLOT DATE : 8/15/2019 10:55:15 AM PLOT BY : mfine PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

2

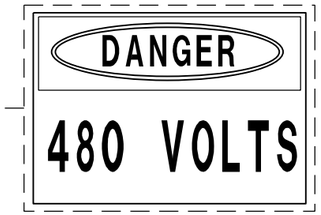
GENERAL NOTES:

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

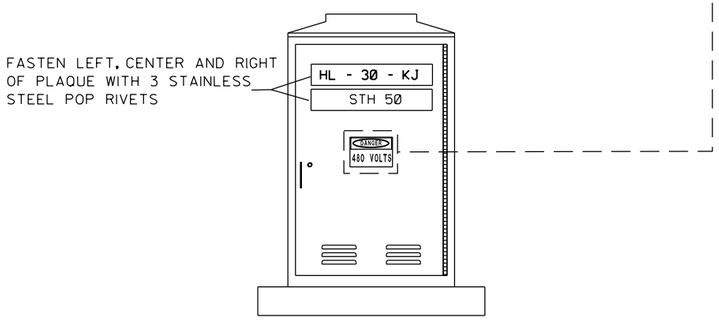


DISTRIBUTION CENTER IDENTIFICATION PLAQUE

MNEMONIC



APROX. 10 1/2" × 7"



DISTRIBUTION CENTER IDENTIFICATION PLAQUE REQUIREMENTS AND PLACEMENTS

(TYPICAL ALL CONTROL CABINETS)

2

STH 31 / GREEN BAY ROAD

2

LEGEND

- DISTRIBUTION CENTER
- CONDUIT 2" UNLESS OTHERWISE NOTED
- PROPOSED SINGLE ARM LIGHTING UNIT
- CONDUIT STUBOUT
- PULLBOX 24" x 42"

CAUTION

THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM OLD SOURCE.

N

STA 185+69, 21' LT
LED-C-5(T)-8-C744

2" C TRENCH
2#8 D,N
1#8 GND

3" C TRENCH
2#8 D,N
1#8 GND

LPB12

TLE

EXISTING R/W

SLOPE INTERCEPT

R/L 74TH STREET

74TH STREET

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

MATCHLINE 187+75

LPB22

LPB21

STA 185+69, 26' RT
LED-C-5(T)-8-B744

SLOPE INTERCEPT

2" C TRENCH
2#8 B,N
1#8 GND

3" C TRENCH
2#8 B,N
1#8 GND

2" C TRENCH
2#8 B,N
1#8 GND

PROPOSED
POND GB

R/L JIFFY POND

12+00

11+00

STATION — OFFSET

100+00, (100.00'RT)
LED-C-5(T)-8-D744

- CIRCUIT, SOURCE, POLE
- ARM LENGTH
- POLE TYPE ON T-BASE
- LUMINAIRE CATEGORY
- LUMINAIRE SOURCE

SHEET 3 OF 5

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	LIGHTING PLAN	SHEET E

PRE_41

FILE NAME : \\milw00\ingrproj\56470\1310-10-72_LocalRoads\t1\cds\023501_lp.dgn PLOT DATE : 8/16/2019 9:36:49 AM PLOT BY : mfine PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

2

N

2" C TRENCH
2#8 D,N
1#8 GND

2" C TRENCH
3#8 C,D,N
1#8 GND

2" C TRENCH
3#8 C,D,N
1#8 GND

2" C TRENCH
3#8 C,D,N
1#8 GND

STA 187+84, 21' LT
LED-C-5(T)-8-D744

STA 189+76, 20' LT
LED-C-5(T)-8-C743

STA 191+74, 20' LT
LED-C-5(T)-8-D743

STA 193+74, 20' LT
LED-C-5(T)-8-C742

TLE

TLE

SLOPE INTERCEPT

R/L 74TH STREET

EXISTING R/W

PROPOSED R/W

PROPOSED R/W

LPB11

MATCHLINE 187+75

188+00

189+00

190+00

191+00

192+00

193+00

74TH STREET

MATCHLINE 193+75

STA 187+84, 21' RT
LED-C-5(T)-8-A744

STA 189+76, 20' RT
LED-C-5(T)-8-B743

STA 191+74, 20' RT
LED-C-5(T)-8-A743

STA 193+74, 20' RT
LED-C-5(T)-8-B742

PROPOSED R/W

PROPOSED R/W

TLE

TLE

PLE

PLE

PLE

SLOPE INTERCEPT

2" C TRENCH
3#8 A,B,N
1#8 GND

2" C TRENCH
3#8 A,B,N
1#8 GND

2" C TRENCH
3#8 A,B,N
1#8 GND

EXISTING R/W

WATER TOWER

INL

SIGN

W

W

W

SHEET 4 OF 5

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	LIGHTING PLAN	SHEET E

PRE_42

FILE NAME : \\milw00\ingrproj\56470\1310-10-72_LocalRoads\t1\cds\023502_lp.dgn PLOT DATE : 8/15/2019 12:10:32 PM PLOT BY : mfine PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

60TH AVE

MATCHLINE 193+75

194+00 195+00 196+00 197+00 198+00 199+00

R/L 74TH STREET

74TH STREET

2" C TRENCH
3#8 C,D,N
1#8 GND

SLOPE INTERCEPT

TLE

STA 195+63, 21' LT
LED-C-5(T)-8-D742

PROPOSED R/W

2" C TRENCH
3#8 C,D,N
1#8 GND

STA 197+49, 21' LT
LED-C-5(T)-8-C741

2" C TRENCH
3#8 C,D,N
1#8 GND

2" C TRENCH
3#8 C,D,N
1#8 GND

3" C TRENCH
3#8 C,D,N
1#8 GND

STA 199+33, 20' LT
LED-C-5(T)-8-D741

LPB10

PROPOSED R/W

I.E.=712.12

18" CMP

STA 199+33, 20' RT
LED-C-5(T)-8-A741

LPB20

PROPOSED R/W

PLE

STA 195+63, 21' RT
LED-C-5(T)-8-A742

2" C TRENCH
3#8 A,B,N
1#8 GND

STA 197+49, 21' RT
LED-C-5(T)-8-B741

2" C TRENCH
3#8 A,B,N
1#8 GND

2" C TRENCH
3#8 A,B,N
1#8 GND

(2) 3" C TRENCH
6#8 A,B,N,C,D,N
2#8 GND

SLOPE INTERCEPT

TLE

STA 199+60, 25' RT
HL-30-74

HL-30-74
A,C, RED B,D, BLACK
240/480 VAC 3W ISLOATED NEUTRAL

(NOTE 1)

SIGN

SIGN

SAN

NOTES:

1. ELECTRICAL METER SOCKET SHALL BE ATTACHED TO SIDE OF LIGHTING CONTROL CABINET.

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	LIGHTING PLAN	SHEET E

SHEET 5 OF 5

PRE_43

2

2

PAVEMENT MARKING LEGEND

MDY4	MARKING LINE 4-INCH (DOUBLE YELLOW)
MW8	MARKING LINE 8-INCH (WHITE)
CWW6	MARKING CROSSWALK TRANSVERSE 6-INCH (WHITE)
SLW18	MARKING STOP LINE 18-INCH (WHITE)
ARW2	MARKING ARROW, TYPE 2 (WHITE)
WDW	MARKING WORD (WHITE)
DLY12	MARKING DIAGONAL 12-INCH (YELLOW)

N

WELL

CWW6 EPOXY

SLW18 EPOXY

74TH STREET

182+00

183+00

184+00

185+00

186

MATCHLINE STA 186+00.00

4'

6'

+69.3
0.0

MDY4 EPOXY

STH 31/GREEN BAY RD

SHEET 1 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING - 74TH STREET	SHEET E

PRE_44

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\024502-PM-74TH.DWG
LAYOUT NAME - 024502-PM-74TH - SHEET - (1)

PLOT DATE : 8/29/2019 3:25 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

PAVEMENT MARKING LEGEND

MDY4	MARKING LINE 4-INCH (DOUBLE YELLOW)
MW8	MARKING LINE 8-INCH (WHITE)
CWW6	MARKING CROSSWALK TRANSVERSE 6-INCH (WHITE)
SLW18	MARKING STOP LINE 18-INCH (WHITE)
ARW2	MARKING ARROW, TYPE 2 (WHITE)
WDW	MARKING WORD (WHITE)
DLY12	MARKING DIAGONAL 12-INCH (YELLOW)

N

MATCHLINE STA 186+00.00

+00

187+00

188+00

189+00

74TH STREET

190+00

191+00

192

MDY4
EPOXY

8"

8"

10"

W

INL

WATER TOWER

INL

MATCHLINE STA 192+00.00

SHEET 2 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING - 74TH STREET	SHEET E

PRE_45

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\024502-PM-74TH.DWG
LAYOUT NAME - 024502-PM-74TH - SHEET - (2)

PLOT DATE : 8/29/2019 3:25 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

PAVEMENT MARKING LEGEND

MDY4	MARKING LINE 4-INCH (DOUBLE YELLOW)
MW8	MARKING LINE 8-INCH (WHITE)
CWW6	MARKING CROSSWALK TRANSVERSE 6-INCH (WHITE)
SLW18	MARKING STOP LINE 18-INCH (WHITE)
ARW2	MARKING ARROW, TYPE 2 (WHITE)
WDW	MARKING WORD (WHITE)
DLY12	MARKING DIAGONAL 12-INCH (YELLOW)

N

MATCHLINE STA 192+00.00

MATCHLINE STA 198+00.00

74TH STREET

193+00 194+00 195+00 196+00 197+00

MDY4
EPOXY

SIGN

SIGN

SHEET 3 OF 4

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING - 74TH STREET	SHEET E

PRE_46

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\024502-PM-74TH.DWG
LAYOUT NAME - 024502-PM-74TH - SHEET - (3)

PLOT DATE : 8/29/2019 3:26 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

PAVEMENT MARKING LEGEND

MDY4	MARKING LINE 4-INCH (DOUBLE YELLOW)
MW8	MARKING LINE 8-INCH (WHITE)
CWW6	MARKING CROSSWALK TRANSVERSE 6-INCH (WHITE)
SLW18	MARKING STOP LINE 18-INCH (WHITE)
ARW2	MARKING ARROW, TYPE 2 (WHITE)
WDW	MARKING WORD (WHITE)
DLY12	MARKING DIAGONAL 12-INCH (YELLOW)

* STATION/OFFSET BASED ON 60TH AVE R/L

MATCHLINE STA 198+00.00

N

74TH STREET

60TH AVE

MDY4 EPOXY

SLW18 EPOXY

CWW6 EPOXY

DLY12 EPOXY

MDY4 EPOXY

ARW2 EPOXY

MW8 EPOXY

ARW2 EPOXY

CWW6 EPOXY

DLY12 EPOXY

MDY4 EPOXY

MDY4 EPOXY

CONTINUE DOUBLE YELLOW C/L TO STA 88+56

199+00

200+00

82+00 83+00 84+00 85+00 86+00 87+00

+77.3 4.0' RT*

+67.7 4.1' RT*

+67.4 8.0' LT*

+87.5

+67.6 4.0' RT*

+48.4

+76.4 8.0' LT*

+76.4 4.0' RT*

+62.0 0.0'

+58.1 8.0' LT*

+70.4 8.0' LT*

+70.4 4.0' RT*

+58.1 4.0' RT*

+70.4 0.0'*

4' 6' 12' 6' 6' 12' 12' 12' 12' 25° 45°

SHEET 4 OF 4

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PAVEMENT MARKING - 74TH STREET	SHEET E

PRE_47

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\024502-PM-74TH.DWG
LAYOUT NAME - 024502-PM-74TH - SHEET - (4)

PLOT DATE : 8/29/2019 3:27 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

2

LEGEND

- WORK ZONE
- TRAFFIC FLOW
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" ONE WAY LIGHT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- TRAFFIC CONTROL ARROW BOARD
- POST MOUNTED TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGN MOUNTED ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE, TYPE 2 OR TYPE 3 WITH WARNING LIGHTS, TYPE "A" WITH/WITHOUT SIGN
- TEMPORARY RAISED PAVEMENT MARKERS (50 FT SPACING)
- TEMPORARY PEDESTRIAN ACCOMMODATION
- CONCRETE BARRIER TEMPORARY PRECAST CONTRACTOR FURNISHED AND INSTALLED
- PCMS — TRAFFIC CONTROL SIGNS PCMS
- CC — CRASH CUSHION TEMPORARY
- TEMPORARY DELINEATORS
- TRAFFIC CONTROL COVERING SIGNS TYPE I OR TYPE II
- EXISTING PAVEMENT MARKING

N

TARGET DRIVE

74TH STREET

STH 31 (GREEN BAY ROAD)

TRACKING PAD REQUIRED

PROPOSED POND

ROAD WORK AHEAD W20-1

WATER TOWER

FILLER CAPS

CANOPY

STA 193+00

MATCHLINE

182 184 186 188 190 192

12 10 10

SHEET 1 OF 6

PROJECT NO: 1310-10-72	HWY: 74TH STREET	COUNTY: KENOSHA	STAGE 1 CONSTRUCTION - 74TH STREET	SHEET	E

FILE NAME : t:\1112711\cadd\sheets\local\staging\026006_s1a.dgn PLOT DATE : 8/29/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT ET 42

PRE_48

2

2

ROAD WORK AHEAD W20-1

STAGE CONSTRUCTION TO MAINTAIN ACCESS TO EXISTING DRIVEWAY ON 60TH AVENUE UNTIL ACCESS ON 74TH STREET IS OPENED

SIDEWALK CLOSED AHEAD CROSS HERE R9-11 ON TYPE 2 BARRICADE

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

60TH AVENUE

74TH STREET

73RD STREET

650'

TRACKING PAD REQUIRED

80' LANE SHIFT TAPER

W01-6 48" X 24" ON TYPE 3 BARRICADE

SIDEWALK CLOSED R9-9 ON TYPE 2 BARRICADE

MAINTAIN ACCESS AT ALL TIMES. PAVEMENT GAP REQUIRED.

W011-2

W016-7L

75' LANE SHIFT TAPER

35' LANE SHOULDER TAPER

80 82 84 86 88 89

+78 4'RT 25' +58 6'RT 50' +81 6'RT 25' +56 0'RT

TW 6' WIDE PEDESTRIAN CROSSING

TW

TY DOUBLE

W01-4R

W011-2 AHEAD W16-9P

W011-2 W016-7R

TEMPORARY CURB RAMP & TEMPORARY PEDESTRIAN SURFACE PLYWOOD

400'

W01-4L

RIPRAP

TEMPORARY MARKING LEGEND

TW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TW8	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

LEGEND

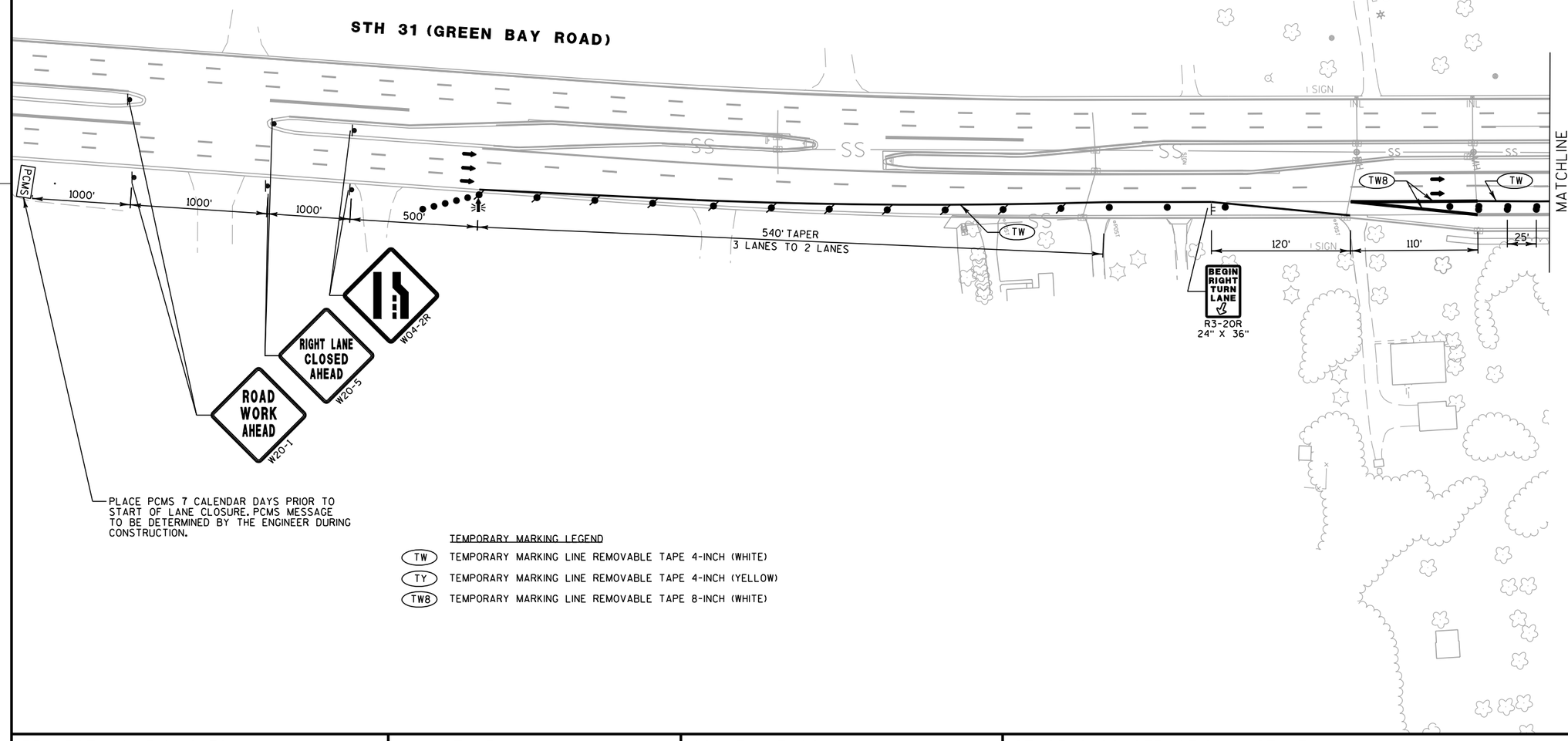
	WORK ZONE
	TRAFFIC FLOW
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE "C" ONE WAY LIGHT
	FLEXIBLE TUBULAR MARKER POST AND BASE
	TRAFFIC CONTROL ARROW BOARD
	POST MOUNTED TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGN MOUNTED ON TEMPORARY SUPPORT
	TRAFFIC CONTROL BARRICADE, TYPE 2 OR TYPE 3 WITH WARNING LIGHTS, TYPE "A" WITH/WITHOUT SIGN
	TEMPORARY RAISED PAVEMENT MARKERS (50 FT SPACING)
	TEMPORARY PEDESTRIAN ACCOMMODATION
	CONCRETE BARRIER TEMPORARY PRECAST CONTRACTOR FURNISHED AND INSTALLED
PCMS	TRAFFIC CONTROL SIGNS PCMS
CC	CRASH CUSHION TEMPORARY
	TEMPORARY DELINEATORS
	TRAFFIC CONTROL COVERING SIGNS TYPE I OR TYPE II
	EXISTING PAVEMENT MARKING

SHEET 2 OF 6

PROJECT NO: 1310-10-72	HWY: 60TH AVENUE - NORTH	COUNTY:	STAGE 1 CONSTRUCTION - 74TH STREET	SHEET	E

LEGEND

- WORK ZONE
- TRAFFIC FLOW
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" ONE WAY LIGHT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- TRAFFIC CONTROL ARROW BOARD
- POST MOUNTED TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGN MOUNTED ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE, TYPE 2 OR TYPE 3 WITH WARNING LIGHTS, TYPE "A" WITH/WITHOUT SIGN
- TEMPORARY RAISED PAVEMENT MARKERS (50 FT SPACING)
- TEMPORARY PEDESTRIAN ACCOMMODATION
- CONCRETE BARRIER TEMPORARY PRECAST CONTRACTOR FURNISHED AND INSTALLED
- PCMS — TRAFFIC CONTROL SIGNS PCMS
- CC — CRASH CUSHION TEMPORARY
- TEMPORARY DELINEATORS
- TRAFFIC CONTROL COVERING SIGNS TYPE I OR TYPE II
- EXISTING PAVEMENT MARKING



PLACE PCMS 7 CALENDAR DAYS PRIOR TO START OF LANE CLOSURE. PCMS MESSAGE TO BE DETERMINED BY THE ENGINEER DURING CONSTRUCTION.

TEMPORARY MARKING LEGEND

- TW — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TW8 — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

PROJECT NO: 1310-10-72	HWY: STH 31	COUNTY: KENOSHA	STAGE 2 CONSTRUCTION - STH 31	SHEET	E

FILE NAME : t:\1112711\cadd\sheets\local\staging\026203_s2.dgn PLOT DATE : 8/29/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT PRE_50 ET 42

LEGEND

- WORK ZONE
- TRAFFIC FLOW
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" ONE WAY LIGHT
- FLEXIBLE TUBULAR MARKER POST AND BASE
- TRAFFIC CONTROL ARROW BOARD
- POST MOUNTED TRAFFIC CONTROL SIGNS
- TRAFFIC CONTROL SIGN MOUNTED ON TEMPORARY SUPPORT
- TRAFFIC CONTROL BARRICADE, TYPE 2 OR TYPE 3 WITH WARNING LIGHTS, TYPE "A" WITH/WITHOUT SIGN
- TEMPORARY RAISED PAVEMENT MARKERS (50 FT SPACING)
- TEMPORARY PEDESTRIAN ACCOMMODATION
- CONCRETE BARRIER TEMPORARY PRECAST CONTRACTOR FURNISHED AND INSTALLED
- PCMS — TRAFFIC CONTROL SIGNS PCMS
- CC — CRASH CUSHION TEMPORARY
- TEMPORARY DELINEATORS
- TRAFFIC CONTROL COVERING SIGNS TYPE I OR TYPE II
- EXISTING PAVEMENT MARKING

78TH STREET

ROAD WORK AHEAD W20-1

200'

STH 31 (GREEN BAY ROAD)

STH 31 (GREEN BAY ROAD)

MATCHLINE

MATCHLINE

TW

TW

TW

TW8

305'

25'

15'

R 50'

12'

LANE CLOSED
R11-2L
48" X 30"
ON TYPE 3 BARRICADE

100'

50'

200'

15'

R 40'

170'

25'

5'

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2L
48" X 30"

76TH STREET

ROAD WORK AHEAD W20-1

TEMPORARY MARKING LEGEND

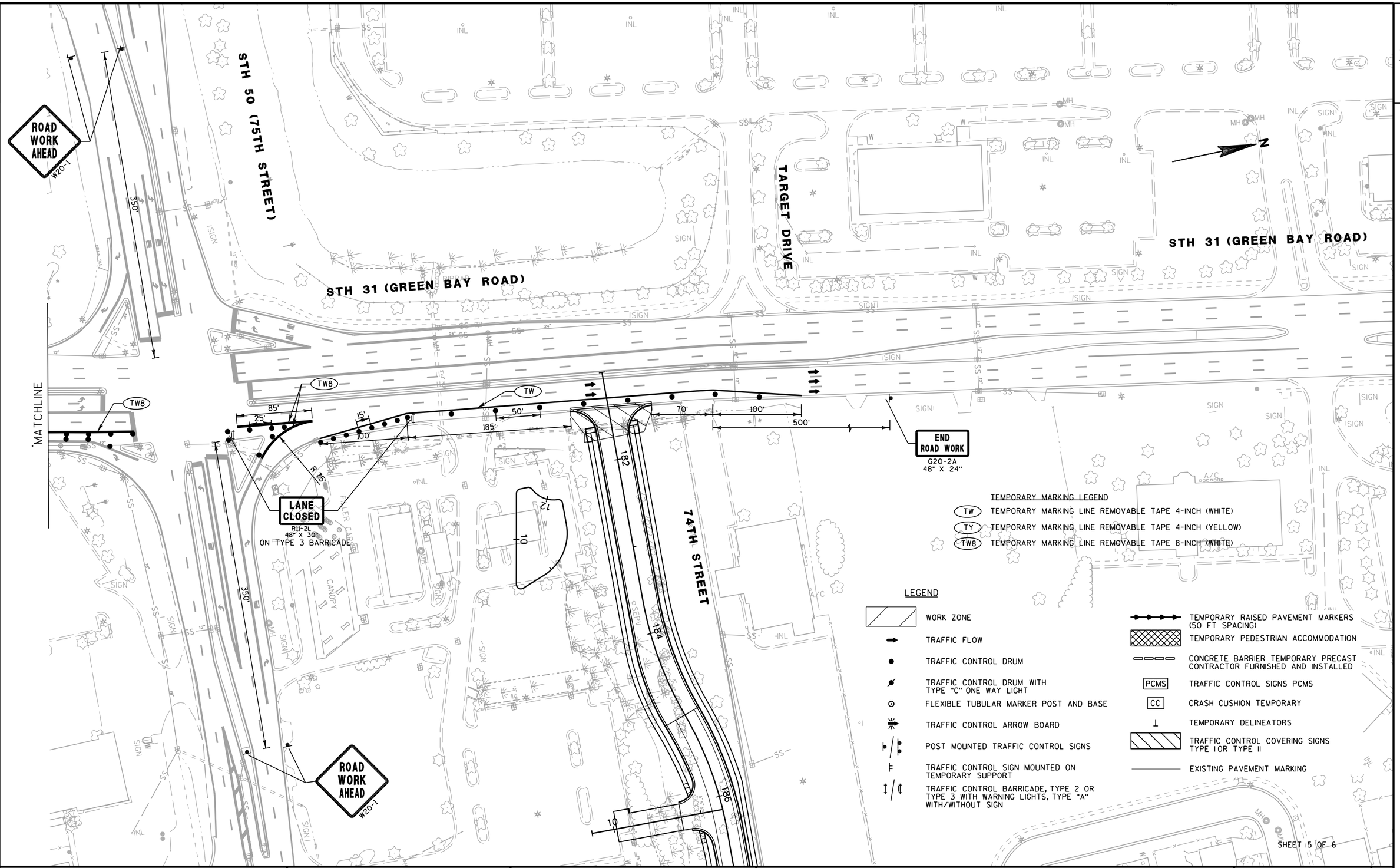
- TW — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- TY — TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- TW8 — TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

SHEET 4 OF 6

PROJECT NO: 1310-10-72	HWY: STH 31	COUNTY: KENOSHA	STAGE 2 CONSTRUCTION - STH 31	SHEET	E

FILE NAME : t:\1112711\cadd\sheets\local\staging\026204_s2.dgn PLOT DATE : 8/29/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT

2



PROJECT NO: 1310-10-72	HWY: STH 31	COUNTY: KENOSHA	STAGE 2 CONSTRUCTION - STH 31	SHEET	E

FILE NAME : t:\1112711\cadd\sheets\local\staging\026205_s2.dgn PLOT DATE : 8/29/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT ET 42

2

ROAD WORK AHEAD W20-1

650'

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

60TH AVENUE

80' LANE SHIFT TAPER

±58 5' LT

TY DOUBLE

74TH STREET

73RD STREET

ROAD WORK AHEAD W20-1

W01-4R

200'

ROAD WORK AHEAD W20-1

60TH AVENUE

±95 0' RT

80 82 84 86 88 89

±77 4' RT

±68 16' RT

25' 50' 25' 50'

200' 400'

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

TW

W01-6 ON TYPE 3 BARRICADE

TEMPORARY CURB RAMP & TEMPORARY PEDESTRIAN SURFACE PLYWOOD

TEMPORARY CURB RAMP & TEMPORARY PEDESTRIAN SURFACE PLYWOOD

ROAD WORK AHEAD W20-1

W01-4L

SIDEWALK CLOSED R9-9 ON TYPE 2 BARRICADE

SIDEWALK CLOSED R9-9 ON TYPE 2 BARRICADE

PROVIDE TEMPORARY PEDESTRIAN ACCESS, 5' WIDE WITH TEMPORARY PEDESTIAN SAFETY FENCE. SEE SDD "TEMPORARY PEDESTRIAN ACCOMMODATION"

ROAD WORK AHEAD W20-1

650'

N

TEMPORARY MARKING LEGEND

TW	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
TY	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
TW8	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)

LEGEND

	WORK ZONE
	TRAFFIC FLOW
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH TYPE "C" ONE WAY LIGHT
	FLEXIBLE TUBULAR MARKER POST AND BASE
	TRAFFIC CONTROL ARROW BOARD
	POST MOUNTED TRAFFIC CONTROL SIGNS
	TRAFFIC CONTROL SIGN MOUNTED ON TEMPORARY SUPPORT
	TRAFFIC CONTROL BARRICADE, TYPE 2 OR TYPE 3 WITH WARNING LIGHTS, TYPE "A" WITH/WITHOUT SIGN
	TEMPORARY RAISED PAVEMENT MARKERS (50 FT SPACING)
	TEMPORARY PEDESTRIAN ACCOMMODATION
	CONCRETE BARRIER TEMPORARY PRECAST CONTRACTOR FURNISHED AND INSTALLED
PCMS	TRAFFIC CONTROL SIGNS PCMS
CC	CRASH CUSHION TEMPORARY
	TEMPORARY DELINEATORS
	TRAFFIC CONTROL COVERING SIGNS TYPE I OR TYPE II
	EXISTING PAVEMENT MARKING

SHEET 6 OF 6

PROJECT NO: 1310-10-72	HWY: 60TH AVENUE - NORTH	COUNTY:	STAGE 2 CONSTRUCTION - 74TH STREET	SHEET	E

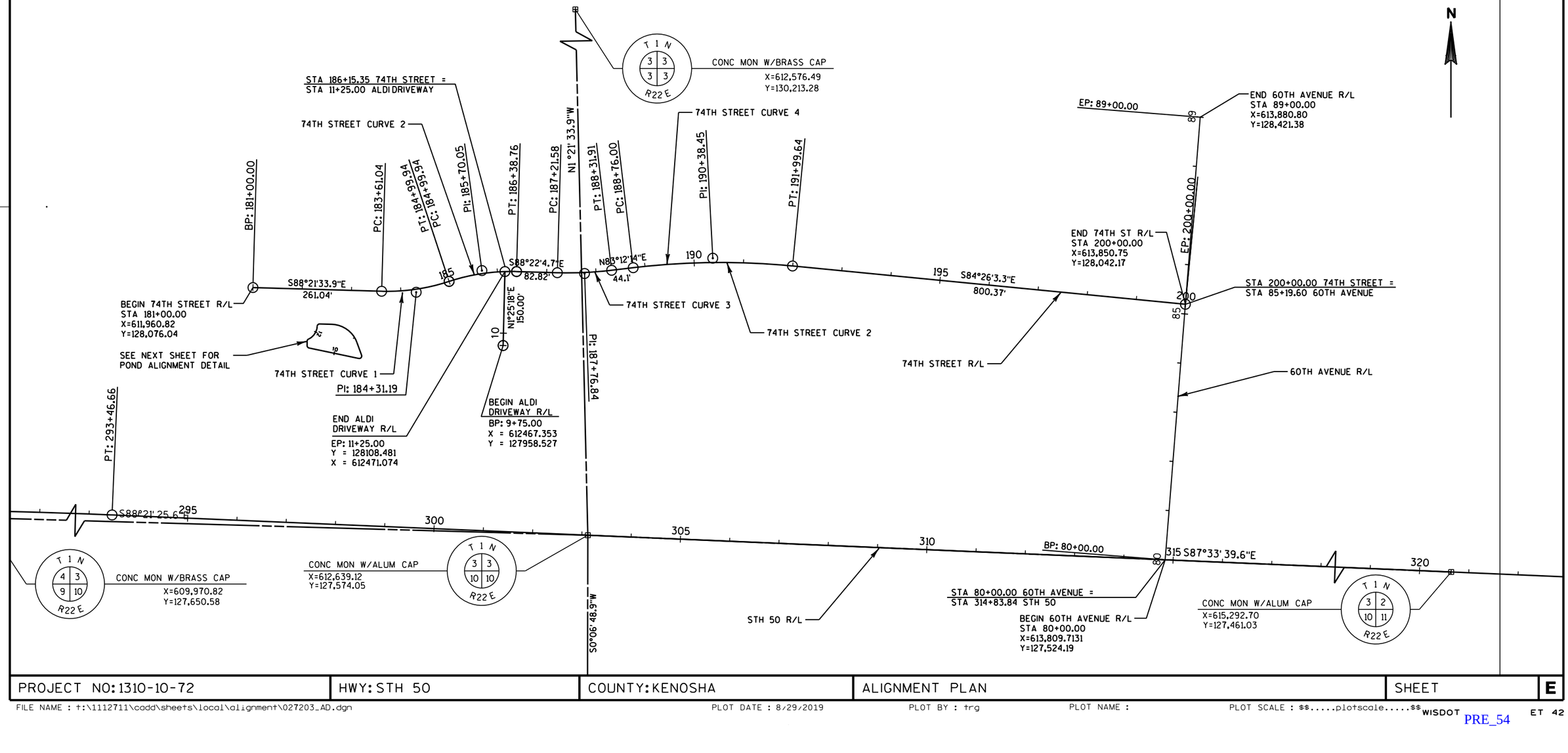
FILE NAME : t:\1112711\cadd\sheets\local\staging\026208_s2.dgn PLOT DATE : 8/29/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT ET 42

74TH STREET CURVE 1
PI STA = 184+31.19
Y = 128066.55
X = 612291.18
DELTA = 19°53'46"
D = 14°19'26"
T = 70.16'
L = 138.90'
R = 400.00'
PC STA = 183+61.04
PT STA = 184+99.94
BK = S88°21'33.9"E
AH = N71°44'40.2"E
SE = NC

74TH STREET CURVE 2
PI STA = 185+70.05
Y = 128110.50
X = 612424.40
DELTA = 19°53'15"
D = 14°19'34"
T = 70.12'
L = 138.82'
R = 399.94'
PC STA = 184+99.94
PT STA = 186+38.76
BK = N71°44'40.2"E
AH = S88°22'04.7"E
SE = NC

74TH STREET CURVE 3
PI STA = 187+76.84
Y = 128104.57
X = 612632.51
DELTA = 8°25'41"
D = 7°38'22"
T = 55.26'
L = 110.32'
R = 750.00'
PC STA = 187+21.58
PT STA = 188+31.91
BK = S88°22'04.7"E
AH = N83°12'14.0"E
SE = NC

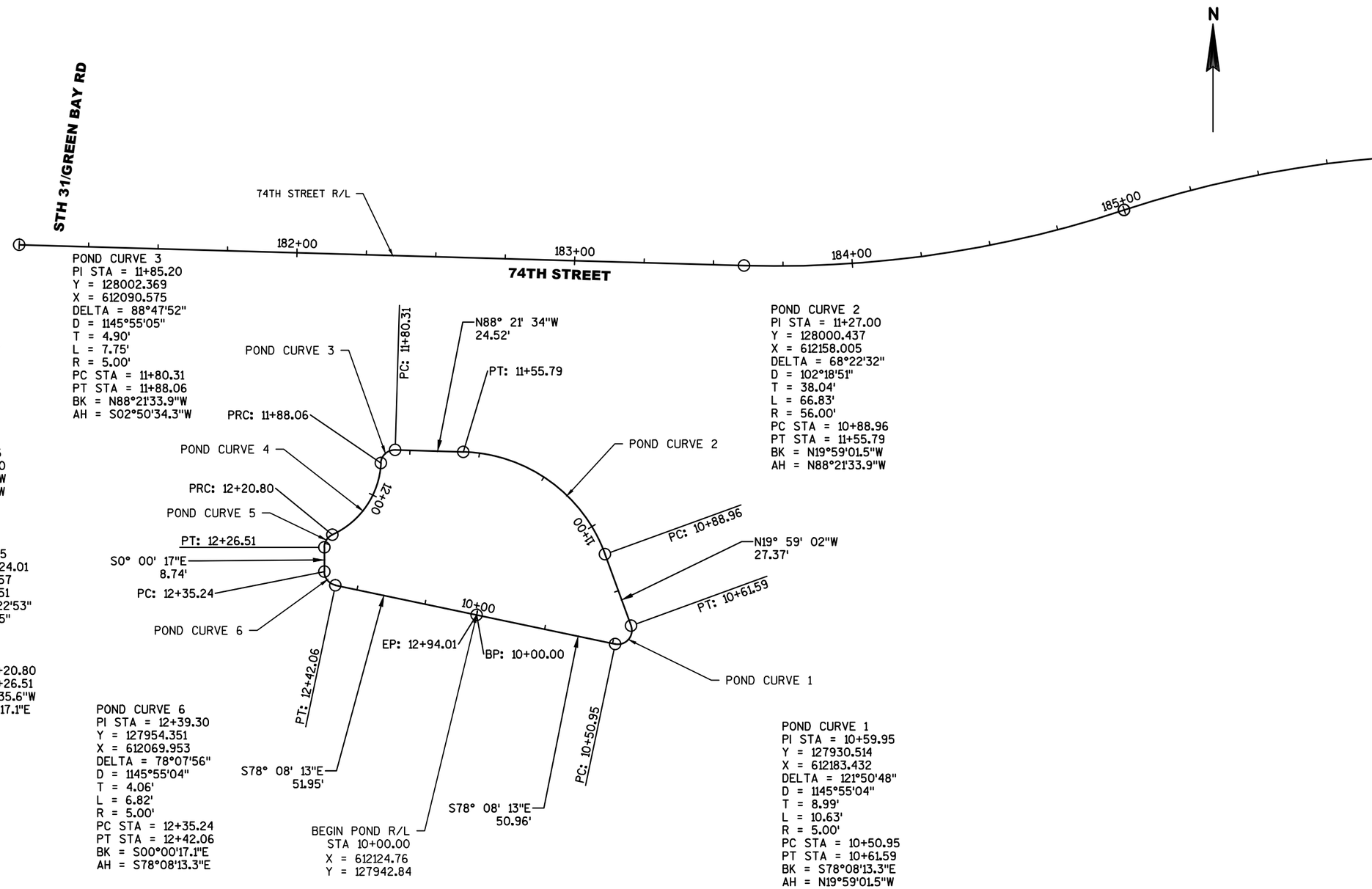
74TH STREET CURVE 4
PI STA = 190+38.45
Y = 128135.55
X = 612892.48
DELTA = 12°21'43"
D = 3°49'11"
T = 162.45'
L = 323.63'
R = 1500.00'
PC STA = 188+76.00
PT STA = 191+99.64
BK = N83°12'14.0"E
AH = S84°26'03.3"E
SE = NC



PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	ALIGNMENT PLAN	SHEET	E

FILE NAME : t:\1112711\cadd\sheets\local\alignment\027203_AD.dgn PLOT DATE : 8/29/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT ET 42

2



PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	ALIGNMENT PLAN - POND	SHEET E

PRE_55

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\027204_AD.DWG
LAYOUT NAME - 027204_AD - SHEET - (1)
PLOT DATE : 8/29/2019 3:36 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42

3

CLEARING AND GRUBBING

LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
74TH STREET		
182+00 - 188+00	6	6
189+00 - 200+00	11	11
60TH AVENUE		
83+00 - 84+00	1	1
85+50 - 88+50	3	3
ALDI DRIVEWAY		
10+03 - 10+77	1	1
PROJECT TOTAL	**22**	**22**

ALL ITEMS CATEGORY 1000 UNLESS NOTED

CULVERT & STORM SEWER REMOVAL ITEMS

STATION	LOCATION	DESCRIPTION	203.0100 REMOVING SMALL PIPE CULVERTS (EACH)	204.0210 REMOVING MANHOLES (EACH)	204.0220 REMOVING INLETS (EACH)	204.0245 REMOVING STORM SEWER 204.0245.01 4-INCH (LF)	204.0245.02 12-INCH (LF)	204.0245.03 15-INCH (LF)	204.0245.04 18-INCH (LF)	204.0245.05 24-INCH (LF)
74TH STREET										
181+55	RT	4" PVC	---	---	---	13	---	---	---	---
181+60	RT	18" SSPRC	---	---	---	---	---	---	41	---
181+66	LT	18" CMP	1	---	---	---	---	---	---	---
190+46	RT	INLET	---	---	1	---	---	---	---	---
190+48	RT	12" SSPRC	---	---	---	----	44	---	---	---
192+12	RT	18" CPRC	1	---	---	---	---	---	---	---
195+25	RT	15" SSPP	---	---	---	---	---	8	---	---
195+30	RT	12" SSPP	---	---	---	---	8	---	---	---
195+30	RT	INLET	---	---	1	---	---	---	---	---
195+46	RT	15" SSPP	---	---	---	---	---	41	---	---
199+04	RT	INLET	---	---	1	---	---	---	---	---
199+30	RT	12" PVC	---	---	---	---	61	---	---	---
199+56	RT	INLET	---	---	1	---	---	---	---	---
199+69	RT	18" PVC	---	---	---	---	---	---	27	---
199+83	RT	INLET	---	---	1	---	---	---	---	---
199+86	RT	15" SSPRC	---	---	---	---	---	10	---	---
199+89	LT	MANHOLE	---	1	---	---	---	---	---	---
199+89	LT	24" SSPRC	---	---	---	---	---	---	---	8
199+96	RT	12" SSPRC	---	---	---	---	8	---	---	---
PROJECT TOTAL			**2**	**1**	**5**	**13**	**121**	**59**	**68**	**8**

3

ROADWAY REMOVAL ITEMS

LOCATION	204.0100 REMOVING PAVEMENT SY	204.0150 REMOVING CURB & GUTTER LF	204.0155 REMOVING CONCRETE SIDEWALK SY	204.0170 REMOVING FENCE LF
74TH STREET				
181+39 - 195+00	39	131	---	360
195+00 - 199+88	370	30	200	370
ALDI DRIVEWAY				
10+03 - 10+77	---	49	---	---
PROJECT TOTAL	**409**	**210**	**200**	**730**

FINISHING ROADWAY

PROJECT ID	213.0100 EACH
1310-10-72	1
PROJECT TOTAL	**1**

BASE COURSE ITEMS

LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
74TH STREET		
181+39 - 195+00	350	3,090
195+00 - 199+88	180	1,080
ALDI DRIVEWAY		
10+03 - 10+77	---	100
PROJECT TOTAL	**530**	**4,270**

EARTHWORK SUMMARY

Division	From/To Station	Location	205.0100 Common Excavation (CY) (1)			Salvaged/ Unusable Pavement Material (CY) (4)	Available Material (CY) (5)	EBS Backfill (CY) (6)	311.0110 Breaker Run (TON) (6)	645.0220 Geogrid Type SR (SY) (7)	Unexpanded Fill (CY)	Expanded Fill (CY) (8)	Mass Ordinate +/- (CY) (9)	Waste (CY) (10)	Comment:
			Cut (CY) (2)	Undistributed EBS Excavation (CY) (3)	Anticipated EBS Excavation (CY) (3)			Factor 1.15	Factor (TONS/CY) 1.80			Factor 1.15			
Division 1															
	181+39.43/199+43.9	74th Street	12,308	1,231	3,976	229	12,079	5,988	10,778	1,302	340	392	11,688	16,894	
	82+57.62/86+81.27	60th Avenue	698	70	13	121	577	96	172	21	0	0	577	660	
	10+03.21/10+77.41	Aldi Driveway	35	4	0	7	28	4	7	1	71	82	-54	4	
		*Stormwater Pond	3,136	0	0	0	3,136	0	0	0	0	0	3,136	3,136	
Division 1 Subtotal			16,178	1,304	3,989	357	15,821	6,087	10,957	1,323	412	474	15,347	20,694	
Grand Total			16,178	1,304	3,989	357	15,821	6,087	10,957	1,323	412	474	15,347	20,694	
PROJECT TOTALS			**21,471**						**10,957**	**1,323**					

*Stormwater pond not shown in detailed earthwork tables. Includes excavation for Pond Clay Liner.

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) Undistributed EBS is estimated at 10% of the Cut. All EBS material is to be wasted offsite.

(4) Salvaged/Unusable Pavement Material.

(5) Available Material = Cut

(6) Expanded EBS Backfill - This is to be filled with Breaker Run material (Item number 311.0110). EBS Backfill Factor = 1.15.

(7) Geogrid reinforcement is to be used in locations of EBS backfill, if warranted. This quantity was estimated at 25% of the total EBS Excavation quantity.

(8) Expanded Fill = Unexpanded Fill * Fill Factor. Expanded Fill Factor = 1.15

(9) 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.

(10) Waste = Mass Ordinate (if positive value) + EBS Excavation

3

CONCRETE PAVEMENT ITEMS

LOCATION	415.0080 CONCRETE PAVEMENT 8-INCH SY	415.5110.S CONCRETE PAVEMENT JOINT LAYOUT LS	416.0170 CONCRETE DRIVEWAY 7-INCH SY	416.1010 CONCRETE SURFACE DRAINS CY	650.7000 CONSTRUCTION STAKING CONCRETE PAVEMENT LF
74TH STREET					
181+39 - 195+00	3,760	---	82	1	1000
195+00 - 199+88	2,100	---	108	---	495
PROJECT TOTAL	**5,860**	**1**	**190**	**1**	**1,495**

DRILLED TIE BARS

LOCATION	* 416.0610 EACH
STH 31 C&G	4
ALDI DRIVEWAY C&G	2
DRIVEWAY STA 187+52 LT C&G	4
60TH AVENUE C&G	12
60TH AVENUE PAVEMENT	152
TOTAL	**174**

*USE 2 EACH FOR EXISTING CONCRETE CURB & GUTTER CONNECTIONS.
36" SPACING FOR TIED LONGITUDINAL EXISITING CONCRETE PAVEMENT.

ALL ITEMS CATEGORY 1000 UNLESS NOTED

HMA PAVEMENT ITEMS

LOCATION	460.1101 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
74TH STREET		
181+39 - 195+00	490	36
195+00 - 199+88	30	70
ALDI DRIVEWAY		
10+03 - 10+77	61	---
PROJECT TOTAL	**581**	**106**

3

CONCRETE CURB AND GUTTER ITEMS

LOCATION	601.0407 CONCRETE CURB & GUTTER 18-INCH TYPE D LF	601.0409 CONCRETE CURB & GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	650.5500 CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER LF
74TH STREET					
181+39 - 195+00	127	1,987	764	50	891
195+00 - 199+88	109	1,349	---	---	109
PROJECT TOTAL	**236**	**3,336**	**764**	**50**	**1,000**

CONCRETE SIDEWALK ITEMS

LOCATION	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0415 CONCRETE SIDEWALK 6-INCH SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA SF	602.0515 CURB RAMP DETECTABLE WARNING FIELD RADIAL NATURAL PATINA SF	650.9000 CONSTRUCTION STAKING CURB RAMPS EACH
74TH STREET					
181+39 - 195+00	12,860	450	40	---	4
195+00 - 199+88	5,640	960	40	30	6
PROJECT TOTAL	**18,500**	**1,410**	**80**	**30**	**10**

STORM SEWER GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS UNLESS OTHERWISE NOTED.
2) PIPE LENGTHS FOR STORM SEWER ARE MEASURED TO THE CENTER OF STRUCTURES.
3) PIPE SLOPES SHOWN ON THE PLANS AND MISC. QUANTITIES ARE CALCULATED FROM THE LENGTH BETWEEN PIPE INVERT TO PIPE INVERT, NOT THE PIPE PLAN LENGTH.
4) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE OF CURB AND GUTTER FOR CURB INLETS/MANHOLES AND TO THE CENTER OF STRUCTURE FOR MANHOLES AND FIELD INLETS UNLESS OTHERWISE NOTED.
5) STRUCTURE DEPTH = RIM ELEVATION - INVERT - CASTING HEIGHT - ADJUSTMENT, SEE SDD'S FOR CASTING HEIGHT. 6" ADJUSTMENT TYPICAL (EXCEPT MS INLETS).
6) LOCATIONS AND DEPTHS OF EXISTING STRUCTURES AND PIPES SHALL BE VERIFIED IN THE FIELD.
7) PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS.
8) INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.
9) TRENCH BACKFILL IS INCIDENTAL TO THE COST OF THE PIPE.
10) PIPE LENGTHS FOR CULVERT PIPE IS MEASURED FROM END OF PIPE TO END OF PIPE.

ALL QUANTITIES CAT 1000

CULVERT PIPE ITEMS

INLET END			DISCHARGE END				521.1030 APRON ENDWALLS FOR CULVERT PIPE STEEL 30-INCH	521.3130 CULVERT PIPE CORRUGATED STEEL 30-INCH	522.0136 CULVERT PIPE REINFORCED CONCRETE CLASS III 36-INCH	522.1036 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH	633.5200 MARKERS CULVERT END	
STATION	OFFSET	ELEV	STATION	OFFSET	ELEV	SLOPE	EACH	LF	LF	EACH	EACH	COMMENTS
181+99.37	102.1' RT	705.10	181+75.42	124.2' RT	705.10	0.00%	--	--	8	2	2	GB POND OUTLET
183+32.44	74.2' RT	705.51	183.17.61	80.2' RT	705.12	2.45%	2	8	--	--	2	GB POND
						TOTALS	2	8	8	2	4	

STORM SEWER APRON ENDWALLS

STRUCTURE NUMBER	STATION	INVERT ELEV	OFFSET FT	522.1012 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH EACH	522.1018 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH EACH	522.1030 APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 30-INCH EACH	633.5200 MARKERS CULVERT END EACH
3000A	182+36.21	702.76	67.8' RT	--	1	--	1
3001A	181+67.91	706.10	53.3' RT	--	1	--	1
3004A	182+84.93	702.76	72.6' RT	--	--	1	1
4001	181+60.95	705.10	127.5' RT	1	--	--	1
			TOTALS	1	2	1	4

ALL QUANTITIES CAT 1000

STORM SEWER PIPE

FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-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	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.0515 STORM SEWER PIPE REINFORCED CONCRETE CLASS V 15-INCH LF	608.0518 STORM SEWER PIPE REINFORCED CONCRETE CLASS V 18-INCH LF	520.8000 CONCRETE COLLARS FOR FOR PIPE EACH
3000	3000A	703.00	702.76	0.48%	--	--	--	--	--	--	--	--	--	52	--
3001	3000	703.15	703.00	0.50%	--	--	--	--	--	--	--	--	--	35	--
3002	3001	703.50	703.40	0.50%	--	--	--	--	--	--	--	--	25	--	--
3003	3000	703.35	703.25	0.50%	--	--	--	--	--	--	--	--	25	--	--
3004	3004A	702.99	702.76	0.45%	--	--	--	--	--	--	55	--	--	--	--
3005	3004	704.03	702.99	0.55%	--	--	--	--	--	--	193	--	--	--	--
3006	3005	705.35	705.28	0.50%	--	--	--	--	18	--	--	--	--	--	--
3007	3005	705.39	705.28	0.50%	--	--	--	--	25	--	--	--	--	--	--
3008	3007	705.55	705.39	0.60%	--	--	--	--	29	--	--	--	--	--	--
3009	3005	705.89	704.03	1.12%	--	--	--	--	--	--	172	--	--	--	--
3010	3009	707.21	707.14	0.50%	18	--	--	--	--	--	--	--	--	--	--
3011	3009	706.46	706.39	0.52%	--	18	--	--	--	--	--	--	--	--	--
3012	3011	706.69	706.46	0.57%	--	45	--	--	--	--	--	--	--	--	--
3013	3009	708.16	706.39	1.00%	--	--	182	--	--	--	--	--	--	--	--
3014	3015	709.09	708.98	0.50%	25	--	--	--	--	--	--	--	--	--	--
3015	3013	708.98	708.91	0.50%	18	--	--	--	--	--	--	--	--	--	--
3016	3013	708.98	708.91	0.50%	18	--	--	--	--	--	--	--	--	--	--
3017	3016	709.09	708.98	0.50%	25	--	--	--	--	--	--	--	--	--	--
3018	3013	710.11	708.16	1.00%	--	--	200	--	--	--	--	--	--	--	--
3019	3018	710.93	710.86	0.50%	18	--	--	--	--	--	--	--	--	--	--
3020	3018	710.93	710.86	0.50%	18	--	--	--	--	--	--	--	--	--	--
3021	3020	711.04	710.93	0.50%	25	--	--	--	--	--	--	--	--	--	--
3022	3020	711.17	710.93	0.50%	52	--	--	--	--	--	--	--	--	--	--
3023	3018	711.51	710.11	1.00%	--	--	145	--	--	--	--	--	--	--	--
3024	3023	712.33	712.26	0.50%	18	--	--	--	--	--	--	--	--	--	--
3025	3023	711.57	711.51	0.50%	--	--	17	--	--	--	--	--	--	--	--
3026	3025	711.82	711.57	0.50%	--	--	54	--	--	--	--	--	--	--	--
3027	3028	710.94	710.87	0.48%	--	--	--	--	20	--	--	--	--	--	--
3028	3032	703.47	703.13	0.27%	--	--	--	--	--	--	--	136	--	--	--
3029	3028	711.01	710.87	0.55%	--	--	--	--	31	--	--	--	--	--	--
				SUBTOTAL	235	63	598	--	123	--	420	136	50	87	--

ALL QUANTITIES CAT 1000

STORM SEWER PIPE

FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-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	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0430 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.0515 STORM SEWER PIPE REINFORCED CONCRETE CLASS V 15-INCH LF	608.0518 STORM SEWER PIPE REINFORCED CONCRETE CLASS V 18-INCH LF	520.8000 CONCRETE COLLARS FOR FOR PIPE EACH
3030	3028	711.11	710.87	0.50%	--	--	--	--	54	--	--	--	--	--	--
3031	3030	711.20	711.11	0.51%	--	--	--	--	22	--	--	--	--	--	--
3032	3035	703.13	701.92	0.90%	--	--	--	--	--	141	--	--	--	--	--
3033	3032	706.55	706.49	0.49%	--	--	--	--	18	--	--	--	--	--	--
3034	3032	706.55	706.49	0.49%	--	--	--	--	18	--	--	--	--	--	--
3035	3040	701.93	700.71	0.83%	--	--	--	--	--	152	--	--	--	--	--
3036	3035	702.56	702.50	0.49%	--	--	--	--	18	--	--	--	--	--	--
3037	3038	702.80	702.56	0.50%	--	--	--	--	52	--	--	--	--	--	--
3038	3035	702.56	702.50	0.49%	--	--	--	--	18	--	--	--	--	--	--
3039	3038	702.65	702.56	0.51%	--	--	--	--	21	--	--	--	--	--	--
3040	3047	700.71	700.49	0.90%	--	--	--	--	--	30	--	--	--	--	--
3041	3042	701.61	701.51	0.50%	--	--	--	--	23	--	--	--	--	--	--
3042	3040	701.51	701.44	0.50%	--	--	--	--	18	--	--	--	--	--	--
3043	3044	702.15	702.00	0.46%	--	--	--	36	--	--	--	--	--	--	--
EXIST	3043	703.05	702.96	1.16%	--	--	--	10	--	--	--	--	--	--	1
3044	3045	701.63	701.52	0.50%	--	--	--	--	25	--	--	--	--	--	--
3045	3040	701.52	701.44	0.50%	--	--	--	--	22	--	--	--	--	--	--
3046	3047	700.74	700.49	0.50%	--	--	--	--	54	--	--	--	--	--	--
3047	EXIST	700.49	700.18	4.00%	--	--	--	--	--	10	--	--	--	--	1
4001	4000	705.10	705.09	0.08%	--	--	--	12	--	--	--	--	--	--	--
3001A	3001	706.10	703.15	4.54%	--	--	--	--	--	--	--	--	--	67	--
EXIST	3047	700.85	700.49	4.50%	--	--	--	11	--	--	--	--	--	--	1
EXIST	3029	713.42	713.40	0.50%	--	--	--	8	--	--	--	--	--	--	1
EXIST	3029	712.41	712.39	0.50%	--	--	--	--	8	--	--	--	--	--	1
				SUBTOTAL	--	--	--	77	371	333	--	--	--	67	5
				TOTAL	235	63	598	77	494	333	420	136	50	154	5

ALL QUANTITIES CAT 1000

STORM SEWER STRUCTURES

STR NUMBER	STATION	OFFSET FT	RIM ELEV	STR DEPTH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.0200 OUTLET CONTROL MANHOLE EACH	611.0420 RECONSTRUCTING MANHOLES EACH	COMMENTS
3000	182+25.06	17.5' RT	706.80	2.5	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	
3001	182+25.10	17.5' LT	706.80	2.3	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	
3002	182+49.82	17.5' LT	706.85	2.0	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3003	182+49.98	17.5' RT	706.85	2.2	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3004	183+04.05	21.3' RT	707.71	3.4	--	--	1	--	--	--	--	--	--	1	--	--	--	--	--	
3005	184+94.80	CL	709.53	4.2	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	
3006	184+94.79	17.5' LT	709.21	2.5	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3007	184+94.85	25.1' RT	709.06	2.3	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3008	184+94.80	54.4' RT	708.85	2.0	--	--	--	--	--	--	--	1	--	--	--	2	--	--	--	NO SLOPE
3009	186+67.53	CL	712.43	5.2	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	
3010	186+67.59	17.5' LT	712.11	3.6	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3011	186+67.87	17.5' RT	712.06	4.3	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3012	186+71.48	61.9' RT	710.23	2.2	--	--	--	--	--	--	--	1	--	--	--	2	--	--	--	NO SLOPE
3013	188+50.00	CL	714.36	4.9	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	
3014	188+50.00	42.' LT	712.68	2.3	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	NO SLOPE
3015	188+50.04	17.5' LT	714.04	3.7	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3016	188+50.03	17.5' RT	714.04	3.7	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3017	188+75.28	17.5' RT	714.25	3.8	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3018	190+50.00	CL	716.06	4.6	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	
3019	190+50.09	17.5' LT	715.74	3.5	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3020	190+50.21	17.5' RT	715.74	3.5	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3021	190+75.51	17.5' RT	715.95	3.6	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3022	190+45.27	69.3' RT	720.06	7.6	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	
3023	191+95.23	CL	717.29	4.4	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	
3024	191+95.22	17.5' LT	716.97	3.3	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3025	191+95.22	17.5' RT	716.97	4.1	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3026	192+27.24	61.' RT	718.43	5.3	--	--	--	--	--	--	--	1	--	--	--	2	--	--	--	NO SLOPE
3027	195+20.88	17.5' LT	715.14	2.9	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3028	195+29.94	CL	715.21	10.4	--	--	--	1	--	--	--	--	1	--	--	--	--	--	--	
3029	195+29.75	31.1' RT	715.89	3.5	--	1	--	--	--	--	--	--	--	1	--	--	--	--	--	
				SUBTOTAL	--	2	8	1	7	8	1	3	6	3	17	7	--	--	--	

ALL QUANTITIES CAT 1000

STORM SEWER STRUCTURES

STR NUMBER	STATION	OFFSET FT	RIM ELEV	STR DEPTH	611.2003 MANHOLES 3-FT DIAMETER EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3901 INLETS MEDIAN 1 GRATE EACH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0612 INLET COVERS TYPE C EACH	611.0624 INLET COVERS TYPE H EACH	611.0642 INLET COVERS TYPE MS EACH	611.8115 ADJUSTING INLET COVERS EACH	SPV.0060.0200 OUTLET CONTROL MANHOLE EACH	611.0420 RECONSTRUCTING MANHOLES EACH	COMMENTS
3030	194+79.21	17.5' RT	716.13	3.7	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3031	194+78.93	39.5' RT	715.10	2.6	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	NO SLOPE
3032	196+66.27	CL	711.15	6.7	--	--	--	--	--	--	--	--	1	--	--	--	--	1	--	
3033	196+66.33	17.5' LT	710.83	2.9	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3034	196+66.19	17.5' RT	710.83	2.9	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3035	198+07.67	CL	707.06	3.8	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	
3036	198+07.54	17.5' LT	706.74	2.8	--	--	--	--	--	1	--	--	--	--	1	--	--	--	--	
3037	197+55.96	17.5' RT	708.01	3.9	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3038	198+07.71	17.5' RT	706.74	2.8	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3039	198+08.05	38.2' RT	706.90	2.9	--	--	--	--	--	--	1	--	--	--	--	1	--	--	--	NO SLOPE
3040	199+59.93	CL	705.04	3.0	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	
3041	199+35.79	17.5' LT	704.82	1.9	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3042	199+59.20	18.5' LT	704.70	1.9	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3043	199+04.18	35.2' RT	708.60	5.1	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	
3044	199+35.51	17.5' RT	704.83	1.9	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3045	199+60.50	21.6' RT	704.70	1.8	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3046	199+79.43	52.' RT	705.28	3.2	--	--	--	--	1	--	--	--	--	--	1	--	--	--	--	
3047	199+89.57	0.8' LT	704.97	3.1	--	--	1	--	--	--	--	--	1	--	--	--	--	--	--	
4000	181+48.58	126.2' RT	N/A	N/A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	
EXIST	186+32.07	105.9' RT	713.62	N/A	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	
			SUBTOTAL		1	--	3	--	8	3	2	--	4	1	11	2	1	1	1	
			TOTALS		1	2	11	1	15	11	3	3	10	4	28	9	1	1	1	

GB POND

LOCATION	SPV.0060.0201 DETENTION POND CORRUGATED METAL ANTI-SEEP COLLAR EACH	640.1303.S POND CLAY LINER CY
POND GB	1	770
TOTALS	1	770

STORM SEWER STAKING

LOCATION	650.4000 CONSTRUCTION STAKING STORM SEWER EACH	650.6000 CONSTRUCTION STAKING PIPE CULVERTS EACH	SPV.0105.0200 CONSTRUCTION STAKING POND LAYOUT LS
74TH STREET	51	--	--
GB POND	--	2	1
TOTALS	51	2	1

ALL ITEMS CATEGORY 1000 UNLESS NOTED

3

UNDERDRAIN ITEMS

LOCATION	310.0110 BASE AGGREGATE DENSE OPEN GRADED TON	612.0106 PIPE UNDERDRAIN 6-INCH LF	645.0111 GEOTEXTILE FABRIC TYPE DF SCHEDULE A SY
74TH STREET			
181+39 - 195+00	18	250	140
195+00 - 199+88	11	150	90
PROJECT TOTAL	**29**	**400**	**230**

FENCING ITEMS

LOCATION	616.0206 FENCE CHAIN LINK 6-FT LF	616.0329 GATES CHAIN LINK 16-FT EACH	SPV.0090.0101 FENCE SPLIT RAIL THREE RAIL LF
74TH STREET			
187+72, 37' LT - 189+62, 39' LT	190	1	---
187+71, 39' RT - 189+59, 39' RT	210	---	---
190+05, 32' RT - 198+78, 32' RT	---	---	170
198+40, 32' RT - 199+54, 42' RT	---	---	118
PROJECT TOTAL	**400**	**1**	**288**

WATER

LOCATION	USE	624.0100 MGAL
74TH STREET / 60TH AVENUE / ALDI DRIVEWAY		
	DUST CONTROL	37
	COMPACTION	96
STORMWATER POND		
	DUST CONTROL	7
PROJECT TOTAL		**140**

MOBILIZATION

PROJECT ID	619.1000 EACH
1310-10-72	1
PROJECT TOTAL	**1**

RESTORATION ITEMS

LOCATION	625.0100 TOPSOIL SY	** 627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIXTURE NO. 20 LB	** 630.0200 SEEDING TEMPORARY LB	630.0300 SEEDING BORROW PIT LB	630.0500 SEED WATER MGAL	631.0300 SOD WATER MGAL	631.1000 SOD LAWN SY
74TH STREET									
181+39 - 195+00	6,010	---	4	23	---	---	19	114	5,170
195+00 - 199+88	2,420	---	2	---	---	---	---	54	2,420
WASTE SITE***	---	6,300	4	---	---	180	---	---	---
UNDISTRIBUTED*	850	3,690	---	3	100	18	2	17	760
PROJECT TOTAL	**9,280**	**9,990**	**10**	**26**	**100**	**198**	**21**	**185**	**8,350**

*UNDISTRIBUTED RESTORATION ITEMS ESTIMATED AT 10% OF MEASURED QUANTITIES, UNLESS OTHERWISE NOTED.
**UNDISTRIBUTED QUANTITY ESTIMATED AT 25% OF ALL DISTURBED AREAS, INCLUDING WASTE SITE.
***UNDISTRIBUTED WASTE SITE QUANTITIES ESTIMATED FOR A 6,300 SY WASTE SITE (21,000 CY OF WASTE, ASSUMING 10' HEIGHT OF WASTE DISPOSAL PILES).

TYPE II PERMANENT SIGNING

1310-10-72 STH 50

SIGN NO.	SIGN CODE & SIZE	SIGN MESSAGE	SIGN SIZE W [IN.]	x	H [IN.]	637.2210 SIGNS TYPE II REFLECTIVE H [SF]	637.2230 SIGNS TYPE II RELFECTIVE F [SF]	638.3000 REMOVING SMALL SIGN SUPPORTS [EA]	638.2102 MOVING SIGNS TYPE II [EA]	638.2602 REMOVING SIGNS TYPE II (EA)	634.0618 POSTS WOOD 4" X 6" X 18' [EA]	634.0816 POSTS TUBULAR STEEL 2" X 2" X 16' [EA]	MOUNT ON SAME POST AS SIGN #	REMARKS / NEW SIGN LOCATION
1-22	NOT USED													
23	R1-1(2S)		30	X	30	5.180						1		
24	W3-1(2S)		36	X	36		9.000					1		
25	R2-1(2S)	25 MPH	24	X	30	5.000						1		
26	R9-3A(2S)		24	x	24	4.000						1		
26a	R9-3BL(2S)		18	X	12	1.500							26	
27	R9-3A(2S)		24	X	24	4.000						1		
27A	R9-3BL(2S)		18	X	12	1.500							27	
28	R9-3A(2S)		24	X	24	4.000						1		
28A	R9-3BR(2S)		18	X	12	1.500							28	
29	R9-3A(2S)		24	X	24	4.000						1		
29A	R9-3BR(2S)		18	X	12	1.500							29	
30	R1-1(2S)		30	X	30	5.180						1		
31	W3-1(2S)		36	X	36		9.000					1		
32	W11-2(2S)		30	X	30		6.250					1		
32A	W16-9P(2S)		24	X	12		2.000						32	
33	R1-1(2S)		30	X	30	5.180						1		
34	W11-2(2S)		30	X	30		6.250					1		
34A	W16-7L(2S)		24	X	12		2.000						34	
35	W11-2(2S)		30	X	30		6.250					1		
35A	W16-7L(2S)		24	X	12		2.000						35	
36	R3-7L(2S)		30	X	30	6.250						1		
37	W1-7(2S)		48	X	24		8.000					1		SHEET 1
38	W11-2(2S)		30	x	30		6.250					1		SHEET 1
38A	W16-7L(2S)		24	x	12		2.000						38	
39	W11-2(2S)		30	x	30		6.250					1		SHEET 1
39A	W16-7L(2S)		24	x	12		2.000						39	
UNDISTRIBUTED						--	--	2.000	2	2	2	2	--	--
TOTALS						48.790	67.250	2.000	2	2	2	19	--	--

SHEET: 1 OF 1

PROJECT NO:1310-10-72	HWY: STH 50	COUNTY: KENOSHA	MISCELLANEOUS QUANTITIES PERMANENT SIGNING	SHEET:	E

ALL ITEMS CATEGORY 1000 UNLESS NOTED

3 3

EROSION CONTROL ITEMS

LOCATION	605.0100 RIPRAP LIGHT CY	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.6510 SOIL STABILIZER TYPE B ACRE	628.7005 INLET PROTECTION TYPE A EACH	628.7010 INLET PROTECTION TYPE B EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH	628.7560 TRACKING PADS EACH	645.0130 GEOTEXTILE TYPE R SY
74TH STREET																
181+39 - 195+00	4	80	650	975	---	---	850	---	24	1	13	4	---	6	1	16
195+00 - 199+88	---	---	---	---	---	---	---	---	12	---	7	4	---	---	1	---
UNDISTRIBUTED	1	20	170	250	4	4	220	3	6	1	4	1	50	2	1	4
PROJECT TOTAL	**5**	**100**	**820**	**1,225**	**4**	**4**	**1,070**	**3**	**42**	**2**	**24**	**9**	**50**	**8**	**3**	**20**

TRAFFIC CONTROL ITEMS

LOCATION	* ESTIMATED DURATION DAYS	643.0300 DRUMS * EACH	DAYS	643.0410 BARRICADES TYPE II * EACH	DAYS	643.0420 BARRICADES TYPE III * EACH	DAYS	643.0500 FLEXIBLE TUBULAR MARKER POSTS EACH	643.0600 FLEXIBLE TUBULAR MARKER BASES EACH	643.0705 WARNING LIGHTS TYPE A * EACH	DAYS	643.0715 WARNING LIGHTS TYPE C * EACH	DAYS	643.0800 ARROW BOARD * EACH	DAYS	643.0900 TRAFFIC CONTROL SIGNS * EACH	DAYS	643.0920 COVERING SIGNS TYPE II EACH	643.1050 PCMS * EACH	DAYS
60TH AVENUE																				
STAGE 1	85	22	1,870	4	340	1	85	18	18	2	170	8	680	---	---	23	1,955	---	---	---
STAGE 2	13	19	247	4	52	1	13	---	---	2	26	4	52	---	---	14	182	---	---	---
STH 31																				
STAGE 1	85	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	85	---	---	---
STAGE 2	13	93	1,209	---	---	4	52	---	---	8	104	11	143	1	13	20	260	---	1	20
UNDISTRIBUTED	---	---	340	---	40	---	20	10	10	---	30	---	90	---	10	---	250	20	---	---
PROJECT TOTAL			**3,666**		**432**		**170**	**28**	**28**		**330**		**965**		**23**		**2,732**	**20**		**20**

* FOR INFORMATION PURPOSES ONLY

FIELD OFFICE TYPE B

LOCATION	642.5001 EACH
ID 1310-10-71	1
PROJECT TOTAL	**1**

TRAFFIC CONTROL

PROJECT ID	643.5000 EACH
1310-10-72	1
PROJECT TOTAL	**1**

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TEMPORARY PEDESTRIAN ACCOMMODATIONS

LOCATION	644.1420 TEMPORARY PEDESTRIAN SURFACE PLYWOOD SF	644.1601 TEMPORARY CURB RAMP * EACH	DAY	644.1810 TEMPORARY PEDESTRIAN BARRICADE LF
60TH AVENUE				
STAGE 1	30	1	60	---
STAGE 2	60	2	30	340
PROJECT TOTAL	**90**		**90**	**340**

* FOR INFORMATION PURPOSES ONLY

PAVEMENT MARKING ITEMS

LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.3020 MARKING LINE EPOXY 8-INCH (WHITE) LF	646.5020 MARKING ARROW EPOXY (WHITE) EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) LF
74TH STREET						
181+60 - 186+00	862	---	---	17	---	71
186+00 - 192+00	1,200	---	---	---	---	---
192+00 - 198+00	1,200	---	---	---	---	---
198+00 - 199+75	324	---	---	21	---	98
60TH AVENUE						
81+64 -84+85	982	109	2	---	30	78
85+81 - 87+71	1,024	---	---	---	72	76
PROJECT TOTAL	**5,592**	**109**	**2**	**38**	**102**	**323**

TEMPORARY MARKING LINE ITEMS

LOCATION	646.9010 MARKING REMOVAL LINE WATER BLASTING 4-INCH LF	649.0150 REMOVABLE TAPE 4-INCH WHITE LF	4-INCH YELLOW LF	649.0250 REMOVABLE TAPE 8-INCH WHITE LF
60TH AVENUE				
STAGE 1	175	810	1,360	---
STAGE 2	---	630	1,240	---
STH 31				
STAGE 2	---	2,640	---	825
PROJECT TOTAL	**175**	**6,680**		**825**

CONSTRUCTION STAKING*

LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF
74TH STREET				
181+39 - 195+00	1,361	361	---	1,361
195+00 - 199+88	495	---	---	495
ALDI DRIVEWAY				
10+03 - 10+77	74	74	---	74
PROJECT TOTAL	**1,930**	**435**	**1**	**1,930**

* ADDITIONAL STAKING ITEMS SHOWN ELSEWHERE

SAWING

LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF
74TH STREET		
181+39 - 195+00	264	146
195+00 - 199+88	390	515
ALDI DRIVEWAY		
10+03 - 10+77	55	---
PROJECT TOTAL	**709**	**661**

INCENTIVE STRENGTH CONCRETE PAVEMENT

PROJECT ID	715.0415 DOL
1310-10-72	1,758
PROJECT TOTAL	**1,758**

LIGHTING - POLES

SYSTEM	POLE I. D. OR LOCATION	T.BASE AS BREAKAWAY OR SPLICE BOX OR SIGN STRUCTURE FOR INFO. ONLY	CATEGORY BOLT PROJECTION	1100 654.0105 CONCRETE BASES TYPE 5	1100 657.0255 TRANS-FORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE	1100 657.0322 POLES TYPE 5-ALUMINUM	1100 655.0610 ELECTRICAL WIRE LIGHTING 12 AWG
				EACH	EACH		
HL-30-74	C744	BREAKAWAY	3-INCH	1	1	1	114
	B744	BREAKAWAY	3-INCH	1	1	1	114
	D744	BREAKAWAY	3-INCH	1	1	1	114
	A744	BREAKAWAY	3-INCH	1	1	1	114
	C743	BREAKAWAY	3-INCH	1	1	1	114
	B743	BREAKAWAY	3-INCH	1	1	1	114
	D743	BREAKAWAY	3-INCH	1	1	1	114
	A743	BREAKAWAY	3-INCH	1	1	1	114
	C742	BREAKAWAY	3-INCH	1	1	1	114
	B742	BREAKAWAY	3-INCH	1	1	1	114
	D742	BREAKAWAY	3-INCH	1	1	1	114
	A742	BREAKAWAY	3-INCH	1	1	1	114
	C741	BREAKAWAY	3-INCH	1	1	1	114
	B741	BREAKAWAY	3-INCH	1	1	1	114
	D741	BREAKAWAY	3-INCH	1	1	1	114
	A741	BREAKAWAY	3-INCH	1	1	1	114
			TOTAL	16	16	16	1824

LIGHTING – ARMS AND LUMINAIRES

SYSTEM	POLE I. D. OR LOCATION	CATEGORY 1100 657.0615 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 8-FT	1100 SPV.0060.0300 LUMINAIRES LED CITY OF KENOSHA CREE LEDWAY STREET LIGHT
		EACH	EACH
HL-30-74	C744	1	1
	B744	1	1
	D744	1	1
	A744	1	1
	C743	1	1
	B743	1	1
	D743	1	1
	A743	1	1
	C742	1	1
	B742	1	1
	D742	1	1
	A742	1	1
	C741	1	1
	B741	1	1
	D741	1	1
	A741	1	1
	TOTAL	16	16

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LIGHTING – WIRE AND CONDUIT

SYSTEM	FROM	CATEGORY TO	1100 652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40, 2-INCH LF	1100 652.0235 CONDUIT RIGID NONMETALLIC SCHEDULE 40, 3-INCH LF	1100 655.0620 ELECTRICAL WIRE LIGHTING 8 AWG LF
HL-30-74	C744	LPB12	177	-	558
	LPB12	LPB11	-	47	159
	B744	LPB22	6	-	45
	LPB22	LPB21	-	69	225
	LPB11	D744	6	-	45
	LPB21	A744	137	-	438
	D744	C743	193	-	820
	C743	D743	200	-	848
	D743	C742	200	-	848
	A744	B743	193	-	820
	B743	A743	194	-	824
	A743	B742	200	-	848
	C742	D742	190	-	808
	D742	C741	185	-	788
	C741	D741	185	-	788
	D741	LPB10	15	-	96
	B742	A742	190	-	808
	A742	B741	185	-	788
	B741	A741	185	-	788
	A741	LPB20	13	-	88
	LPB20	HL-30-74	-	18	178
	LPB10	LPB20	-	42	192
		TOTAL	2654	176	11800

LIGHTING – PULL BOXES

SYSTEM	DESCRIPTION	STATION	CATEGORY OFFSET	1100 653.0140 PULL BOXES STEEL 24X42-INCH EACH
HL30-74	LPB12	187WB+29	21'LT	1
	LPB11	187WB+78	21'LT	1
	LPB22	185EB+75	27'RT	1
	LPB21	186EB+48	22'RT	1
	LPB10	199WB+48	20'LT	1
	LPB20	199EB+48	20'RT	1
			TOTAL	6

LIGHTING - MISCELLANEOUS

SYSTEM	DESCRIPTION	CATEGORY	1100 654.0224 CONCRETE CONTROL CABINET BASES TYPE L24 EA	1100 656.0400.0008 ELECTRICAL SERVICE MAIN LUGS ONLY METER PEDESTAL HL-30-74 LS	1100 659.2124 LIGHTING CONTROL CABINETS 120/240V 24-IN EA	1100 SPV.0105.0301 FREEWAY LIGHTING INTEGRATOR PROJECT 1310-10-72 LS	1100 SPV.0105.0302 MAINTENANCE OF LIGHITNG SYSTEMS PROJECT 1310-10-72 LS	1100 SPV.0105.0303 LIGHTING SYSTEM SURVEY PROJECT 1310-10-72 LS
	CONTRACT 1310-10-72		-	-	-	1	1	1
	DISTRIBUTION CENTER HL-30-74		1	1	1	-	-	-
		TOTAL	1	1	1	1	1	1

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
1310-10-23		
DESIGN PROJECT NUMBER 1310-10-02	4.1	8

PLAT OF RIGHT OF WAY REQUIRED FOR

STH-50

118TH AVENUE TO 43RD AVENUE

STH-50 KENOSHA CO.

CONSTRUCTION NO. 1310-10-72

CONVENTIONAL ABBREVIATIONS

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

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

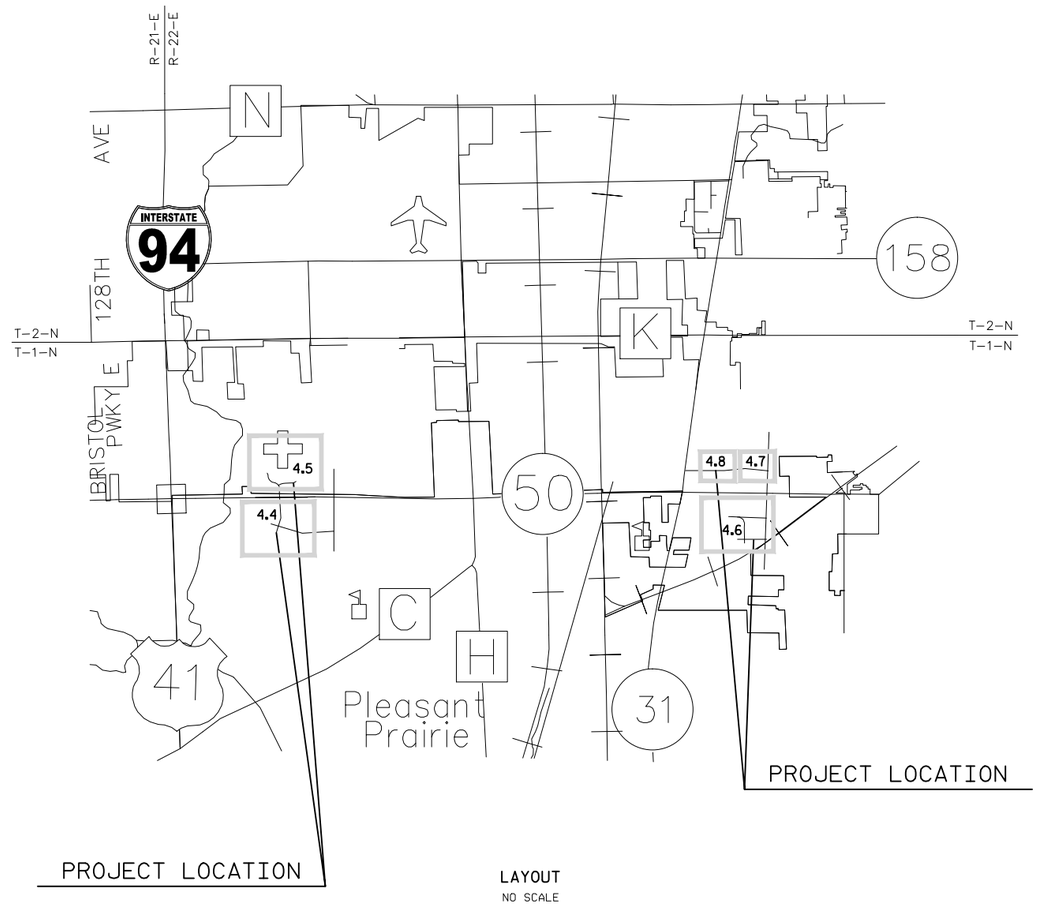
CONVENTIONAL UTILITY SYMBOLS

	NON COMPENSABLE	COMPENSABLE
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
GUY ANCHOR		
ELECTRIC TOWER		
GAS VALVE	GV	

- W — WATER
- G — GAS
- T — TELEPHONE
- OH — OVERHEAD TRANSMISSION LINES
- E — ELECTRIC
- TV — CABLE TELEVISION
- FO — FIBER OPTIC
- SAN — SANITARY SEWER
- SS — STORM SEWER

CONVENTIONAL SYMBOLS

- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- NEW REFERENCE LINE
- NEW R/W LINE
- EXISTING R/W OR HE LINE
- PROPERTY LINE
- LOT, TIE & OTHER MINOR LINES
- SLOPE INTERCEPT
- CORPORATE LIMITS
- UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) — W (TYPE)
- NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
- TEMPORARY LIMITED EASEMENT AREA
- EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
- TRANSMISSION STRUCTURES
- BUILDING — TO BE REMOVED
- BRIDGE
- SECTION CORNER SYMBOL
- SECTION CORNER MONUMENT
- SIGN
- R/W MONUMENT (TO BE SET)
- NON-MONUMENTED R/W POINT
- FOUND IRON PIN (1-INCH UNLESS NOTED) — IP
- FOUND R/W POST
- GEODETIC SURVEY MONUMENT
- SIXTEENTH CORNER MONUMENT
- OFF-PREMISE SIGN — I-25
- ELECTRIC POLE — COMPENSABLE / NON-COMPENSABLE
- TELEPHONE POLE
- PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
- ACCESS RESTRICTED BY ACQUISITION
- NO ACCESS (BY STATUTORY AUTHORITY)
- ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
- NO ACCESS (NEW HIGHWAY)
- PARCEL NUMBER 25
- UTILITY NUMBER 40
- PARALLEL OFFSETS



GN

LAYOUT
NO SCALE

TOTAL NET LENGTH OF CENTERLINE = 4.45 MI.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, KENOSHA COUNTY, NAD83 (2007) IN US SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS 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".

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION CONTACT THE PLANNING DEPARTMENT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

ORIGINAL PLAT PREPARED BY

raSmith
CREATIVITY BEYOND ENGINEERING

16745 W. Bluemound Road, Brookfield WI 53005
262-781-1000 Fax 262-781-8466
www.rasmithnational.com

WISCONSIN
SHANE M. ZODROW
S-2869
GREENDALE
WI
LAND SURVEYOR

DATE: 06/24/19

LAND SURVEYOR

CITY OF KENOSHA
VILLAGE OF PLEASANT PRAIRIE

REVISION DATE

APPROVED FOR CITY OF KENOSHA:

DATE: _____ _____
(Signature)

PRE_70

E

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA TO BE ACQUIRED.

OWNERS NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO TRANSFER OF LAND AND INTERESTS TO THE CITY OF KENOSHA.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	TOTAL ACRES	R/W REQUIRED ACRES			TOTAL REMAINING ACRES	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES	PARCEL NUMBER
					NEW	EXISTING	TOTAL				
1	4.4	ELIMINATED	-	-	-	-	-	-	-	-	1
2	4.4	ELIMINATED	-	-	-	-	-	-	-	-	2
3	4.4	ELIMINATED	-	-	-	-	-	-	-	-	3
4	4.4	ELIMINATED	-	-	-	-	-	-	-	-	4
5	4.5	ELIMINATED	-	-	-	-	-	-	-	-	5
6	4.5	ELIMINATED	-	-	-	-	-	-	-	-	6
7	4.6	ELIMINATED	-	-	-	-	-	-	-	-	7
8	4.6	ELIMINATED	-	-	-	-	-	-	-	-	8
9	4.6	ELIMINATED	-	-	-	-	-	-	-	-	9
10	4.6	ELIMINATED	-	-	-	-	-	-	-	-	10
11	4.6	ELIMINATED	-	-	-	-	-	-	-	-	11
12	4.6	ELIMINATED	-	-	-	-	-	-	-	-	12
13	4.6	ELIMINATED	-	-	-	-	-	-	-	-	13
14	4.6	ELIMINATED	-	-	-	-	-	-	-	-	14
15	4.7 & 4.8	WESTCHESTER APARTMENTS, LLC.	TLE	7.082	-	-	-	7.082	0.483	-	15
16	4.7	60TH AVENUE PARTNERS, LLC.	FEE, TLE, PLE	0.832	0.187	-	0.187	0.645	0.044	0.029	16
17	4.7	GOODWILL INDUSTRIES OF SE WISCONSIN INC.	FEE, TLE, PLE	3.102	0.502	-	0.502	2.600	0.365	0.013	17
18	4.7	ELIMINATED	-	-	-	-	-	-	-	-	18
19	4.8	FOREST PARK CONGREGATION OF JEHOVAH	TLE	1.598	-	-	-	1.598	0.053	-	19
20	4.8	CITY OF KENOSHA WATER UTILITY	FEE, TLE, PLE	2.243	0.317	-	0.317	1.926	0.207	0.009	20
21	4.8	SEITZ BROTHERS INC, LLC.	FEE, TLE, PLE	2.200	0.288	-	0.288	1.912	0.217	0.007	21
22	4.8	HIMALAYA HOLDINGS, LLC.	FEE, TLE, PLE	2.603	0.308	-	0.308	2.295	0.146	0.075	22
23	4.8	ALDI, INC.	TLE	2.654	-	-	-	2.654	0.048	-	23
24	4.6	ELIMINATED	-	-	-	-	-	-	-	-	24
25	4.7	ELIMINATED	-	-	-	-	-	-	-	-	25
500	-	ELIMINATED									
501	4.7 & 4.8	WE ENERGIES-ELECTRIC	RELEASE OF RIGHTS								
502	4.7 & 4.8	AT&T WISCONSIN	RELEASE OF RIGHTS								
503	4.7	TIME WARNER CABLE	RELEASE OF RIGHTS								
505	4.7	KENOSHA WATER UTILITY	RELEASE OF RIGHTS								
507	-	ELIMINATED	RELEASE OF RIGHTS								

REVISION DATE:	DATE: 06/24/2019	SCALE, FEET 0 N/A N/A	HWY: STH-50	R/W PROJECT NUMBER: 1310-10-23	PLAT SHEET: 4.2	
	GRID FACTOR: N/A		COUNTY: KENOSHA	DESIGN PROJECT NUMBER: 1310-10-02/23	PS&E SHEET:	E

GN

N

T-1-N
R-22-E

SE 1/4 | SW 1/4 | SE 1/4 | SW 1/4 | SE 1/4 | SW 1/4

CITY OF KENOSHA

VILLAGE OF PLEASANT PRAIRIE

CITY OF KENOSHA

104TH AVE | 94TH AVE | 91ST AVE | 6TH H | CANADIAN PACIFIC RAILROAD | 77TH AVENUE | UNION PACIFIC RAILROAD | 70TH AVE | STH-31 | 60TH AVE

STH-50

CHIS

PIUST

4.4 | 4.5 | 4.6 | 4.7 | 4.8

15 | 16 | 17 | 19 | 20 | 21 | 22 | 23

NE 1/4 | NW 1/4 | NE 1/4 | NW 1/4 | NE 1/4 | NW 1/4 | NE 1/4

VILLAGE OF PLEASANT PRAIRIE

VILLAGE OF PLEASANT PRAIRIE

CITY OF KENOSHA

T-1-N
R-22-E

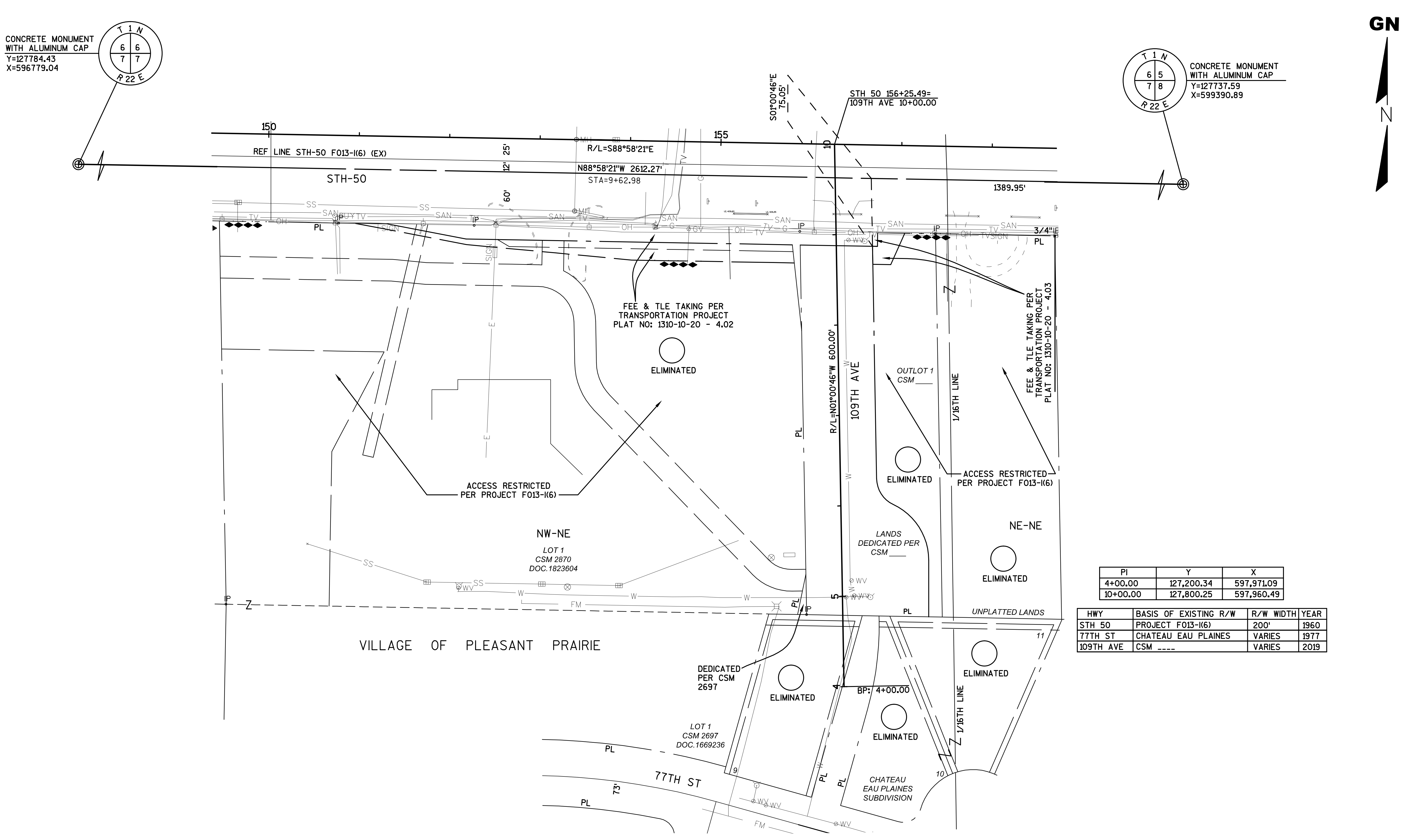
BEGIN PROJECT
STA 144+42.39

END PROJECT
STA 319+12.51

REVISION DATE:	DATE: 06/24/2019	SCALE, FEET 0 N/A N/A	HWY: STH-50	R/W PROJECT NUMBER: 1310-10-23	PLAT SHEET: 4.3	
	GRID FACTOR: N/A		COUNTY: KENOSHA	DESIGN PROJECT NUMBER: 1310-10-02/23	PS&E SHEET:	E

FILE NAME:S/5165148/PLAT/LOCAL/TPP100.DWG

PRE_72



PI	Y	X
4+00.00	127,200.34	597,971.09
10+00.00	127,800.25	597,960.49

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 50	PROJECT F013-1(6)	200'	1960
77TH ST	CHATEAU EAU PLAINES	VARIES	1977
109TH AVE	CSM ____	VARIES	2019

REVISION DATE:	DATE: 06/24/2019	SCALE, FEET 0 50 100	HWY: STH-50	R/W PROJECT NUMBER: 1310-10-23	PLAT SHEET: 4.4	E
	GRID FACTOR: N/A		COUNTY: KENOSHA	DESIGN PROJECT NUMBER: 1310-10-02/23	PS&E SHEET:	

FILE NAME:S/5165148/PLAT/LOCAL/TPP100.DWG

GN

N

UNPLATTED LANDS

ACCESS RESTRICTED
PER PROJECT F013-1(6)

PL

SW-SE

CITY OF KENOSHA

1/16TH LINE Z

PARCEL C
CSM 1567
DOC.892373
V.1503 P.333

SE-SE

ACCESS RESTRICTED
PER PROJECT F013-1(6)

ELIMINATED

ELIMINATED

FEE & TLE TAKING PER
TRANSPORTATION PROJECT
PLAT NO: 1310-10-20 - 4.03

SIGN

SIGN

SIGN

SIGN

SIGN

PL

S88°58'21"E

103'

STH-50

155

25'

12'

R/L=S88°58'21"E

STA=9+62.98

10

160

REF LINE STH-50 F013-1(6) (EX)

N88°58'21"W 2612.27'

R/L=N01°00'46"W
37.02'

VILLAGE OF PLEASANT PRAIRIE

T 1 N
6 5
7 8
R 22 E

CONCRETE MONUMENT
WITH ALUMINUM CAP
Y=127737.59
X=599390.89

T 1 N
6 6
7 7
R 22 E

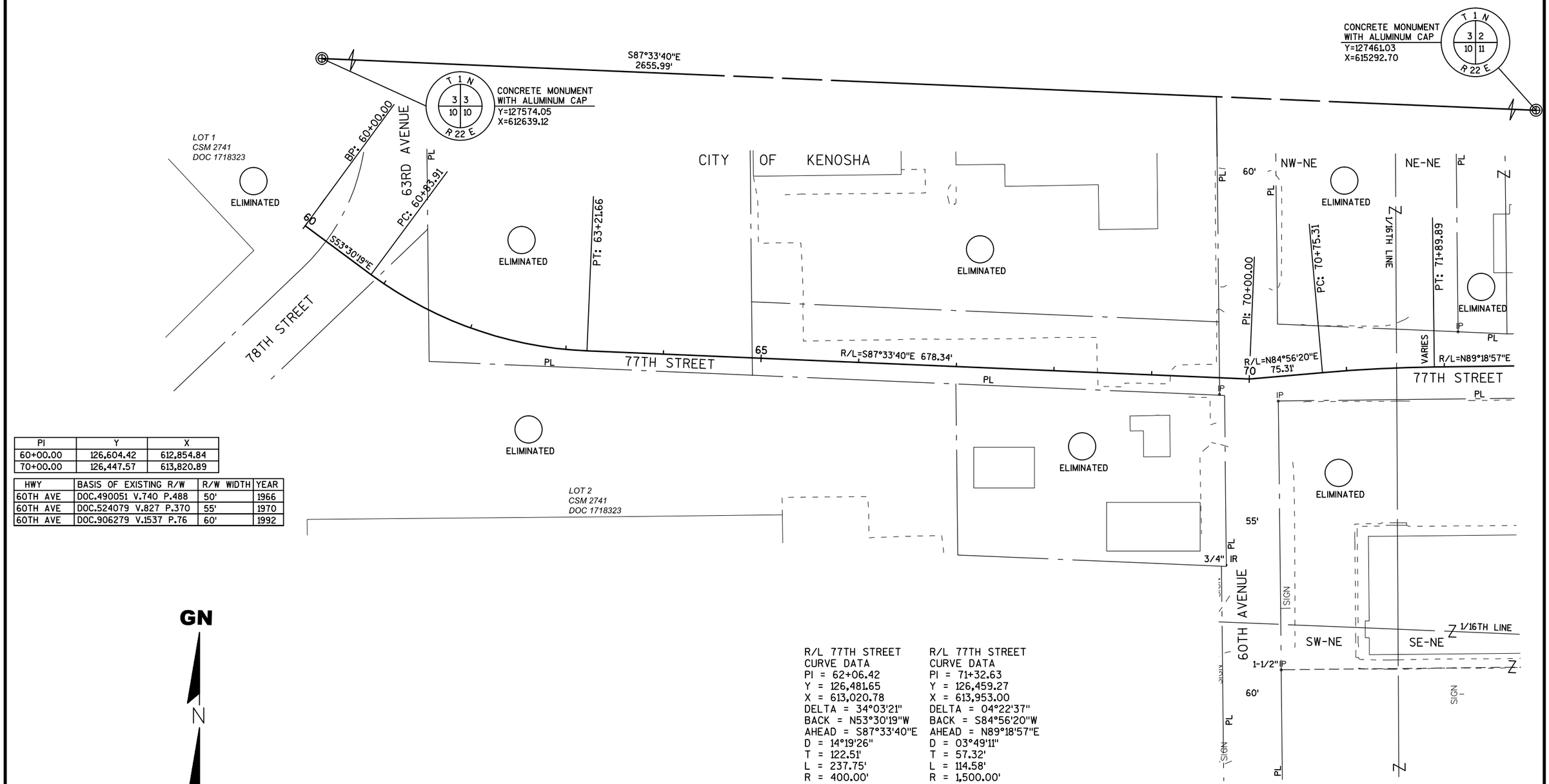
CONCRETE MONUMENT
WITH ALUMINUM CAP
Y=127784.43
X=596779.04

PI	Y	X
10+00.00	127,800.25	597,960.49

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 50	PROJECT F013-1(6)	200'	1960

REVISION DATE:	DATE: 06/24/2019	SCALE, FEET 0 50 100	HWY: STH-50	R/W PROJECT NUMBER: 1310-10-23	PLAT SHEET: 4.5	
	GRID FACTOR: N/A		COUNTY: KENOSHA	DESIGN PROJECT NUMBER: 1310-10-02/23	PS&E SHEET:	E

FILE NAME:S/5165148/PLAT/LOCAL/TPP100.DWG



PI	Y	X
60+00.00	126,604.42	612,854.84
70+00.00	126,447.57	613,820.89

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
60TH AVE	DOC.490051 V.740 P.488	50'	1966
60TH AVE	DOC.524079 V.827 P.370	55'	1970
60TH AVE	DOC.906279 V.1537 P.76	60'	1992

GN

N

R/L 77TH STREET
CURVE DATA
PI = 62+06.42
Y = 126,481.65
X = 613,020.78
DELTA = 34°03'21"
BACK = N53°30'19"W
AHEAD = S87°33'40"E
D = 14°19'26"
T = 122.51'
L = 237.75'
R = 400.00'

R/L 77TH STREET
CURVE DATA
PI = 71+32.63
Y = 126,459.27
X = 613,953.00
DELTA = 04°22'37"
BACK = S84°56'20"W
AHEAD = N89°18'57"E
D = 03°49'11"
T = 57.32'
L = 114.58'
R = 1,500.00'

REVISION DATE:	DATE: 06/24/2019	SCALE, FEET 0 50 100	HWY: STH-50	R/W PROJECT NUMBER: 1310-10-23	PLAT SHEET: 4.6
	GRID FACTOR: N/A		COUNTY: KENOSHA	DESIGN PROJECT NUMBER: 1310-10-02/23	PS&E SHEET: E

FILE NAME:S/5165148/PLAT/LOCAL/TPP100.DWG

PRE_75

PI	Y	X
200+00.00	128,042.17	613,850.75

CONCRETE MONUMENT WITH BRASS CAP
Y=130213.28
X=612576.49

T 1 N | 3 3 | 3 3 | R 22 E

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
60TH AVE	PROJECT 1310-10-24	VARIES	2019

501 WE ENERGIES-ELEC
12' EASEMENT
DOC.749891
V.1214 P.669
PARCEL 15

12' EASEMENT
DOC.770347
V.1253 P.712
PARCEL 15

12' EASEMENT
DOC.777402
V.1267 P.296
PARCEL 15

12' EASEMENT
DOC.806260
V.1322 P.561
PARCEL 15

502 AT&T WISCONSIN
12' EASEMENT
DOC.749891
V.1214 P.669
PARCEL 15

503 TIME WARNER
NO RECORD
OF EASEMENT
PARCEL 15

505 KENOSHA WATER UTILITY
12' PUBLIC UTILITY EASEMENT WESTCHESTER ESTATES SUBDIVISION
PARCEL 15
NON DESCRIPT CROSS ACCESS EASEMENT CSM 2174 DOC.1173118 PARCELS 16 & 17

GN

N

R/W STATION & OFFSET TABLE		
RW1	194+28.10	30.00' LT
RW2	194+31.38	30.00' RT
1572	199+27.45	30.00' LT
1606	199+28.55	31.00' RT
1619	198+35.00	31.00' RT
1620	198+35.00	30.00' RT
P1569	199+36.84	31.00' RT
P1600	199+44.98	38.50' RT
P1608	198+18.00	38.50' RT
P1609	198+18.00	46.50' RT
P1610	197+98.00	46.50' RT
P1611	197+98.00	30.00' RT
P1574	195+40.00	30.00' RT
P1575	195+40.00	41.50' RT
P1576	195+20.00	41.50' RT
P1577	195+20.00	30.00' RT
P1612	194+89.00	30.00' RT
P1613	194+89.00	46.50' RT
P1614	194+69.00	46.50' RT
P1615	194+69.00	30.00' RT

TLE STATION & OFFSET TABLE		
T1872	195+00.00	55.00' LT
T1873	199+26.99	55.00' LT
T1882	199+28.68	38.50' RT
T1883	199+28.92	51.50' RT
T1884	197+80.33	57.50' RT
T1885	197+55.00	76.50' RT
T1886	194+40.00	76.50' RT
T1887	194+40.00	91.50' RT

R/W COURSE TABLE		
RW1-1572	S84°26'03"E	499.34'
1606-1619	N84°26'03"W	93.55'
1619-1620	N05°33'57"E	1.00'
1620-RW2	N84°26'03"W	403.62'
1606-P1569	S84°26'03"E	8.29'
P1569-P1600	S41°45'53"E	11.07'
P1600-P1608	N84°26'03"W	126.98'
P1608-P1609	S05°33'57"W	8.00'
P1609-P1610	N84°26'03"W	20.00'
P1610-P1611	N05°33'57"E	16.50'
P1611-P1574	N84°26'03"W	258.00'
P1574-P1575	S05°33'57"W	11.50'
P1575-P1576	N84°26'03"W	20.00'
P1576-P1577	N05°33'57"E	11.50'
P1577-P1612	N84°26'03"W	31.00'
P1612-P1613	S05°33'57"W	16.50'
P1613-P1614	N84°26'03"W	20.00'
P1614-P1615	N05°33'57"E	16.50'
P1615-RW2	N84°26'03"W	37.62'
1620-P1611	N84°26'03"W	37.00'
P1574-P1577	N84°26'03"W	20.00'
P1612-P1615	N84°26'03"W	20.00'

N01°21'34"W 2639.97'
N01°21'34"W 587.71'

CONCRETE MONUMENT WITH ALUMINUM CAP
Y=127574.05
X=612639.12

T 1 N | 3 3 | 10 10 | R 22 E

73RD ST
LOT 4 WESTCHESTER ESTATES SUBDIVISION
LOT 3 CSM 1126 DOC.769023 V.1251 P.98
LOT 2 CSM 1126 DOC.769023 V.1251 P.98
LOT 1 CSM 1126 DOC.769023 V.1251 P.98
FEE & TLE PURCHASE SEE PROJECT 1310-10-24
WESTCHESTER APARTMENTS, LLC.
15 TLE, SLOPES & DRIVEWAY
60TH AVE
74TH STREET
N84°26'03"W 661.12'
R/L=S84°26'03"E 570.26'
N02°26'20"E 30.04'
S04°31'48"W 30.00'
S04°31'48"W 31.01'
114+44.39 60TH AVE= 200+00.00 74TH ST
ELIMINATED
503
16
17
MATCH LINE SEE SHEET 4.8
SW-SE
PLE, STORM 20'X16.5'
PLE, STORM 20'X11.5'
GOODWILL INDUSTRIES OF SE WISCONSIN INC.
TLE, SLOPES & DRIVEWAY
PLE, STORM AND RETAINING WALL
TLE, SLOPES
60TH AVENUE PARTNERS, LLC.
FEE & TLE PURCHASE SEE PROJECT 1310-10-24
LOT 3 CSM 2174 DOC.1173118
LOT 2 CSM 2174 DOC.1173118
LOT 1 CSM 2174 DOC.1173118
197TH LINE
SE-SE
DOCK
CITY OF KENOSHA
ELIMINATED

REVISION DATE:	DATE: 06/24/2019	SCALE, FEET 0 50 100	HWY: STH-50	R/W PROJECT NUMBER: 1310-10-23	PLAT SHEET: 4.7	
	GRID FACTOR: N/A		COUNTY: KENOSHA	DESIGN PROJECT NUMBER: 1310-10-02/23	PS&E SHEET:	E

FILE NAME:S/5165148/PLAT/LOCAL/TPP100.DWG

R/L 74TH AVENUE
CURVE DATA
PI = 184+31.19
Y = 128,066.55
X = 612,291.18
DELTA = 19°53'46"
BACK = N88°21'34"W
AHEAD = N71°44'40"E
D = 14°19'26"
T = 70.16'
L = 138.90'
R = 400.00'

R/L 74TH AVENUE
CURVE DATA
PI = 185+70.05
Y = 128,110.50
X = 612,424.40
DELTA = 19°53'15"
BACK = S71°44'40"W
AHEAD = S88°22'05"E
D = 14°19'34"
T = 70.12'
L = 138.82'
R = 399.94'

R/L 74TH AVENUE
CURVE DATA
PI = 187+76.84
Y = 128,104.57
X = 612,632.51
DELTA = 08°25'41"
BACK = N88°22'05"W
AHEAD = N83°12'14"E
D = 07°38'22"
T = 55.26'
L = 110.32'
R = 750.00'

R/L 74TH AVENUE
CURVE DATA
PI = 190+38.45
Y = 128,135.55
X = 612,892.48
DELTA = 12°21'43"
BACK = S83°12'14"W
AHEAD = S84°26'03"E
D = 03°49'11"
T = 162.45'
L = 323.63'
R = 1500.00'

501 WE ENERGIES-ELEC
12' EASEMENT
DOC.849733
V.1409 P.272
PARCEL 15
12' EASEMENT
DOC.806260
V.1322 P.561
PARCEL 15

502 AT&T WISCONSIN
12' EASEMENT
DOC.849733
V.1409 P.272
PARCEL 15
12' EASEMENT
DOC.806260
V.1322 P.561
PARCEL 15

CONCRETE MONUMENT
WITH BRASS CAP
Y=130213.28
X=612576.49
T 1 N
3 3
3 3
R 22 E

12' PUBLIC
UTILITY EASEMENT
WESTCHESTER
ESTATES SUBDIVISION
AND CSM 1384
PARCEL 15

40' STREET
RESERVATION
DOC.579780
V.928 P.310
PARCEL 20

24' DRIVEWAY
EASEMENT
WESTCHESTER
ESTATES SUBDIVISION
PARCEL 15

CITY OF KENOSHA

FOREST PARK
CONGREGATION OF
JEHOVAH

NO1°21'34"W 2639.97'

PARCEL 2
CSM 1384
DOC.1151411
V.1408 P.834

PARCEL 1
CSM 1384
DOC.1151411
V.1408 P.834

LOT 4
WESTCHESTER
ESTATES
SUBDIVISION

24' JOINT DRIVEWAY EASEMENT PER
WESTCHESTER ESTATES SUBDIVISION

TLE, SLOPES 15
WESTCHESTER
APARTMENTS, LLC.

TLE, SLOPES 19

PLE, STORM 20
CITY OF
KENOSHA
WATER UTILITY

TLE, SLOPES

PT: 191+99.64

STH-31

PC: 183+61.04
PRC: 184+99.94
PT: 186+38.76
NO1°21'34"W
29.95'
TAN TO
RW1578
PC: 187+21.58

R/L=S88°21'34"E

R/L=S88°22'05"E TAN=49.27'
82.82'

R/L=N83°12'14"E
44.10'

R/L=S84°26'03"E
230.11'

74TH STREET

74TH ST

S88°21'26"E

NO1°21'34"W
28.39'
RW1596
TO TAN

PT: 188+31.91
PC: 188+76.00

TLE, SLOPES 20

HIMALAYA
HOLDINGS, LLC.

TLE, SLOPES 22

PLE,
STORM AND
RETAINING WALL

TLE,
SLOPES &
DRIVEWAY

SEITZ
BROTHERS
INC, LLC.

PLE,
STORM

TLE,
SLOPES &
DRIVEWAY

SIGN

FEE PURCHASE - SEE
PROJECT 1310-10-21

POINT TO STH 31 PER
V.1330 P.201

WATER
TOWER

ALDI, INC.

TLE,
SLOPES &
DRIVEWAY 23

SW-SE

SE-SW

STA=187+70.80

SS EASEMENT TO
R DOC.1114815

NO1°21'34"W
502.45'
SEC COR
TO RW1596

CONCRETE MONUMENT
WITH ALUMINUM CAP
Y=127574.05
X=612639.12
T 1 N
3 3
10 10
R 22 E

MATCH LINE SEE SHEET 4.7

S02°26'20"W
30.04'

GN
N

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
STH 31	PROJECT 3330-01-20	130'	1990
STH 31	PROJECT 3340-00-21	VARIES	1986
STH 31	PROJECT 3230-03-20	VARIES	2003
74TH ST	PROJECT 3230-03-20	124.8'	2003

R/W STATION & OFFSET TABLE

1578	187+71.20	28.34' LT
P1579	188+40.00	30.25' LT
P1580	188+40.00	50.00' LT
P1581	188+60.00	50.00' LT
P1582	188+60.00	30.11' LT
1583	188+76.01	30.00' LT
1584	191+99.64	30.00' LT
RW1	194+28.10	30.00' LT
RW2	194+31.38	30.00' RT
P1585	192+17.36	30.00' RT
P1586	192+50.05	71.50' RT
P1587	192+24.59	71.50' RT
P1588	191+98.57	38.50' RT
1589	191+99.64	30.00' RT
1621	191+99.64	31.00' RT
P1590	190+60.00	38.50' RT
P1591	190+60.00	83.76' RT
P1592	190+35.00	84.17' RT
P1593	190+35.00	38.50' RT
P1617	190+00.35	38.50' RT
1618	190+00.44	31.00' RT
1622	190+00.46	30.00' RT
1594	188+76.00	30.00' RT
1595	188+31.91	30.00' RT
1596	187+70.42	30.00' RT

R/W COURSE TABLE

1578-1583	N83°35'39"E 102.45'
1583-1584	SEE CURVE DATA
1584-RW1	S84°26'03"E 228.47'
RW2-1589	N84°26'03"W 231.75'
1589-1621	S05°33'57"W 1.00'
1621-1618	SEE CURVE DATA
1618-1622	N01°21'34"W 1.00'
1622-1594	SEE CURVE DATA
1594-1595	S83°12'14"W 44.10'
1595-1596	SEE CURVE DATA
1578-P1579	N83°35'39"E 66.44'
P1579-P1580	N06°47'46"W 19.75'
P1580-P1581	N83°12'14"E 20.00'
P1581-P1582	S06°47'46"E 19.89'
P1582-1583	N83°35'39"E 16.01'
P1579-P1582	N83°35'39"E 20.00'
1589-P1585	S84°26'03"E 17.72'
P1585-P1586	S32°39'37"E 52.83'
P1586-P1587	N84°26'03"W 25.46'
P1587-P1588	N32°39'37"W 42.01'
P1588-P1590	SEE CURVE DATA
P1590-P1591	S00°13'55"W 45.26'
P1591-P1592	S88°45'51"W 23.60'
P1592-P1593	N00°43'22"W 45.67'
P1593-P1617	SEE CURVE DATA
P1617-P1618	N01°21'34"W 7.50'

R/W CURVE TABLE

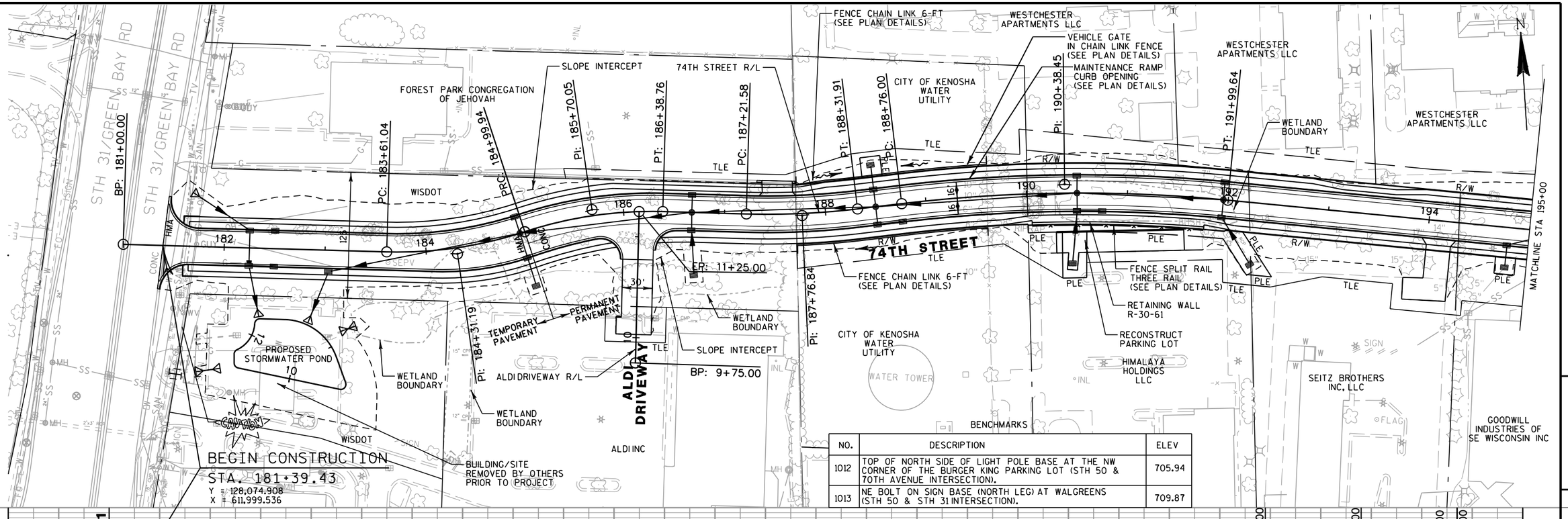
CURVE	LENGTH	RADIUS	BEARING	CHORD
1583-1584	330.10'	1530.00'	N89°23'05"E	329.46'
1621-1618	195.08'	1469.00'	N88°14'19"W	194.93'
1622-1594	121.96'	1470.00'	S85°34'51"W	121.93'
1595-1596	63.95'	780.00'	S85°33'09"W	63.93'
P1588-P1590	135.01'	1461.50'	N87°07'18"W	134.96'
P1593-P1617	33.76'	1461.50'	S88°36'55"W	33.76'

TLE STATION & OFFSET TABLE

T1888	185+50.00	40.77' LT
T1889	185+50.00	51.02' LT
T1890	187+60.81	38.94' LT
T1891	188+31.91	55.00' LT
T1892	188+76.00	55.00' LT
T1893	189+95.00	39.54' LT
T1894	189+95.00	64.54' LT
T1895	194+00.00	50.00' LT
T1896	193+70.00	91.50' RT
T1897	193+70.00	66.50' RT
T1898	193+00.00	66.50' RT
T1899	192+50.05	81.50' RT
T1900	192+02.29	81.50' RT
T1901	191+99.93	59.05' RT
T1902	190+60.00	68.76' RT
T1903	189+75.00	48.34' RT
T1904	187+70.13	54.23' RT
T1905	186+45.00	94.88' RT
T1906	186+45.00	130.00' RT
T1907	186+60.00	124.68' RT
T1908	185+68.88	90.15' RT

REVISION DATE:	DATE: 06/24/2019	SCALE, FEET 0 50 100	HWY: STH-50	R/W PROJECT NUMBER: 1310-10-23	PLAT SHEET: 4.8	
	GRID FACTOR: N/A		COUNTY: KENOSHA	DESIGN PROJECT NUMBER: 1310-10-02/23	PS&E SHEET:	E

PRE_77



PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PLAN & PROFILE - 74TH STREET	SHEET	E

FILE NAME : t:\1112711\cadd\sheets\local\planprof\050110_pp 74th street west.dgn PLOT DATE : 8/29/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT

BENCHMARKS		
NO.	DESCRIPTION	ELEV
1015	NE CORNER OF SPEEDWAY SIGN BASE (STH 50 & 60TH AVENUE INTERSECTION).	707.00
1016	SE CORNER OF PICK-N-SAVE SIGN BASE (STH 50 ENTRANCE).	700.27

WESTCHESTER APARTMENTS LLC

WESTCHESTER APARTMENTS LLC

WESTCHESTER APARTMENTS LLC

WESTCHESTER APARTMENTS LLC

R/W & EASEMENTS ACQUIRED UNDER T.R.P. NO. 1323-10-24

R/W & EASEMENTS ACQUIRED UNDER R/W PLAT NO. 1323-10-23

TLE

R/W

74TH STREET

SLOPE INTERCEPT

MATCHLINE STA 195+00

196

95

16'

16'

R/W

TLE

TLE

74TH STREET R/L THREE RAIL (SEE PLAN DETAILS)

FENCE SPLIT RAIL

RECONSTRUCT PARKING LOT RETAINING WALL R-30-62

60TH AVENUE PARTNERS, LLC

SLOPE INTERCEPT

GOODWILL INDUSTRIES OF SE WISCONSIN INC

JENSEN

EP: 200+00.00

200

84

60TH AVENUE

R/W

TLE

STA 200+00.00 74TH STREET = STA 85+19.60 60TH AVENUE

PLAZA 50 PROPERTY ASSOCIATES

PLAZA 50 PROPERTY ASSOCIATES

END CONSTRUCTION STA 199+88.00

60TH AVENUE R/L

N

5

5

VPI STA 195+10.00
VPI EL 716.14

VPT STA 195+85.00
VPT EL 713.74

VCL = 200.00
K = 81.00

STA 199+80.00
EL 704.91

STA 199+88.00
EL 704.99

60TH AVENUE

720

710

700

690

-3.20%

EXISTING PROFILE

FINISHED PROFILE

-0.73%

1.00%

VCL = 150.00
K = 83.19

VPC STA 197+25.00
VPC EL 709.25

VPI STA 198+25.00
VPI EL 706.05

VPT STA 199+25.00
VPT EL 705.32

EXISTING PROFILE ELEVATION

FINISHED PROFILE ELEVATION

717.87	713.97	713.07	713.83	713.20	710.20	706.80	706.58	705.68	705.30	705.33				
716.03	714.79	713.26	711.66	710.05	708.49	707.20	706.21	705.54	705.13					

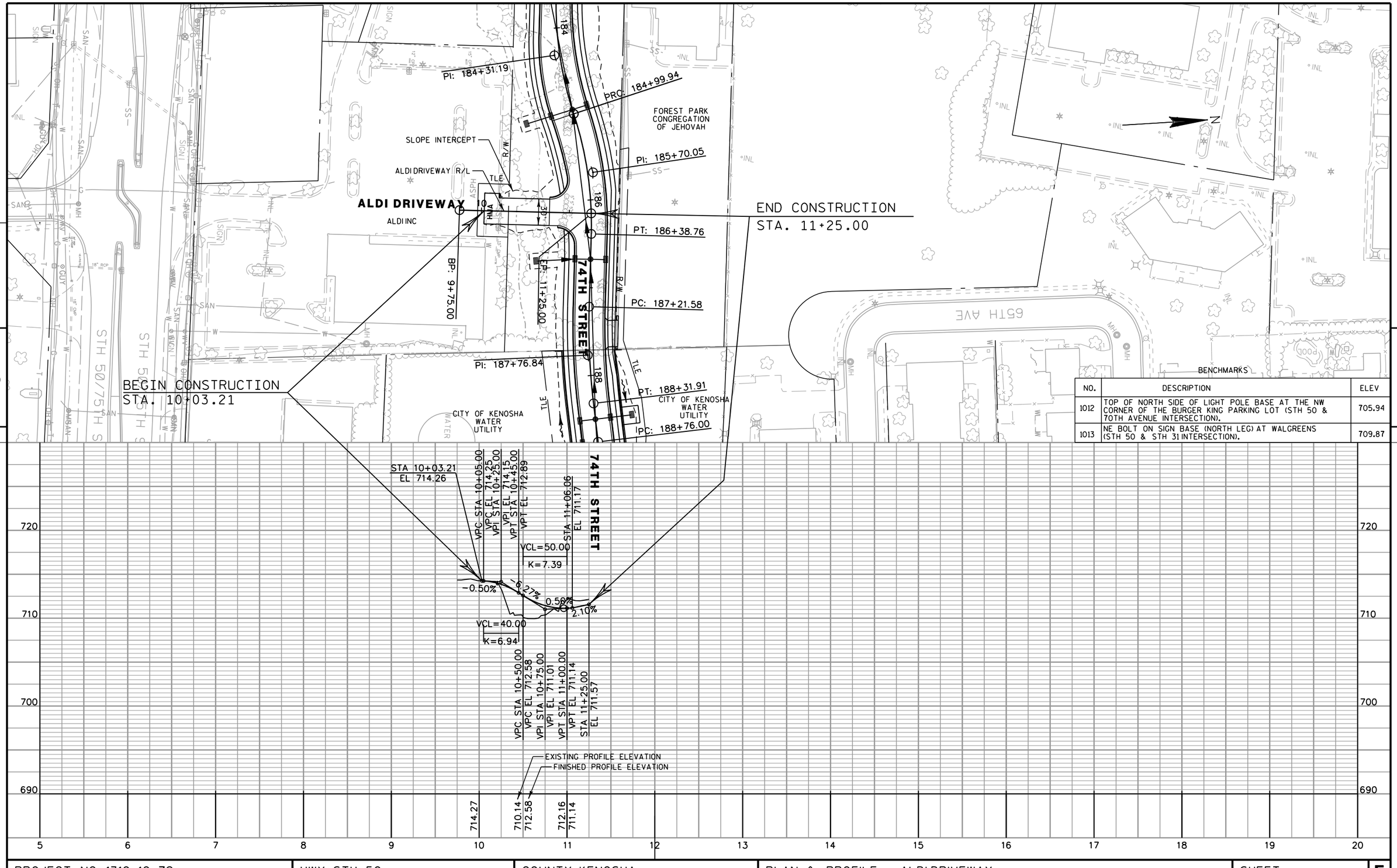
195 196 197 198 199 200

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PLAN & PROFILE - 74TH STREET	SHEET	E

FILE NAME : t:\1112711\cadd\sheets\local\planprof\050111_pp 74th street east.dgn PLOT DATE : 8/29/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT

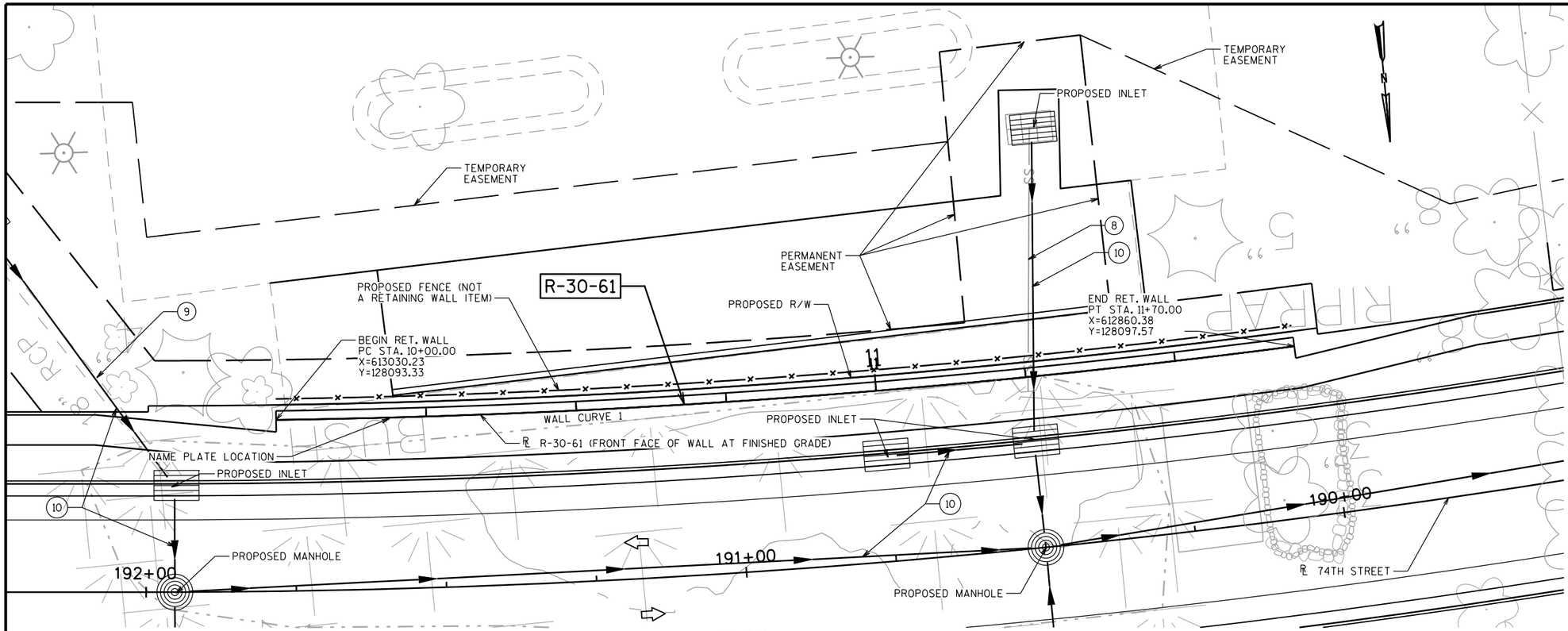
PRE_79

ET 40



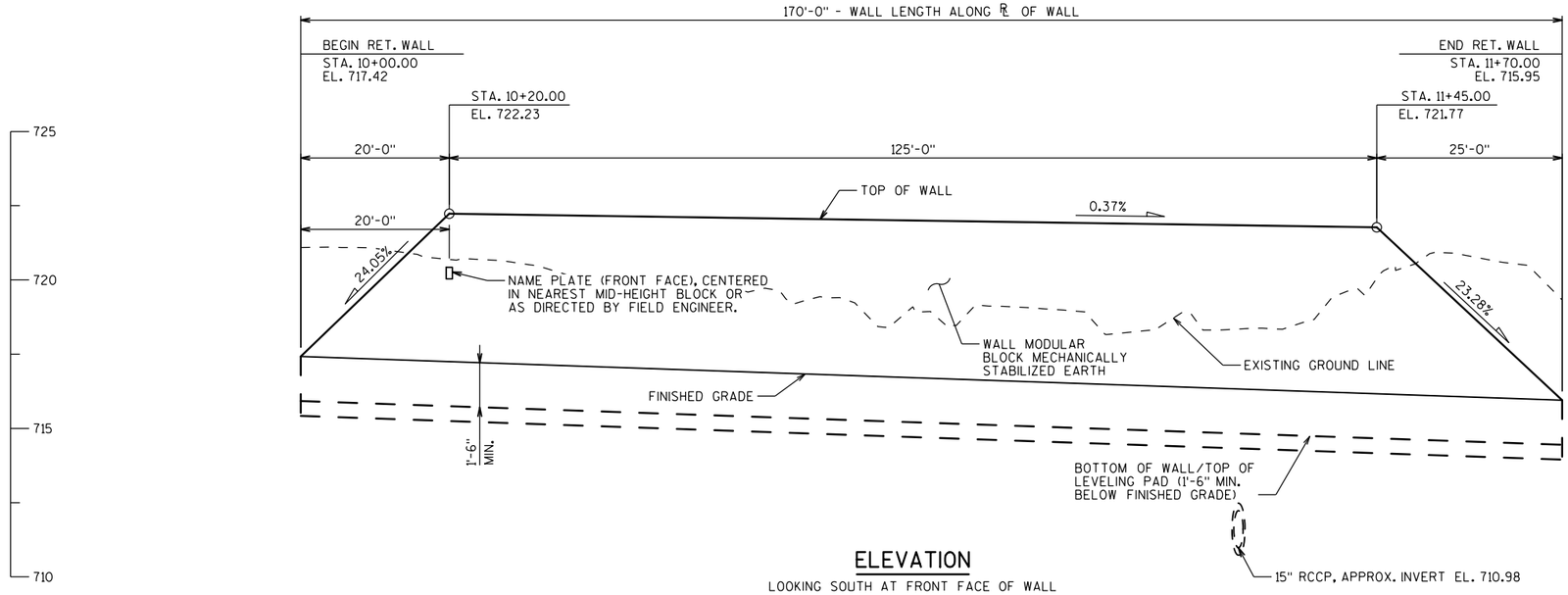
PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	PLAN & PROFILE - ALDI DRIVEWAY	SHEET E

FILE NAME : t:\1112711\cadd\sheets\local\planprof\050112_pp 74th street ALDI.dgn PLOT DATE : 8/29/2019 PLOT BY : trg PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT



PLAN

MSE WALL WITH MODULAR BLOCK FACING



ELEVATION

LOOKING SOUTH AT FRONT FACE OF WALL

STATE PROJECT NUMBER

1310-10-72

LIST OF DRAWINGS

1. GENERAL PLAN & ELEVATION
2. GENERAL NOTES & QUANTITES
3. PROFILE GRADE LINE & DESIGN DATA
4. TYPICAL SECTION
5. SUBSURFACE EXPLORATION

LEGEND

⇨ DIRECTION OF TRAFFIC

UTILITY & STORM SEWER NOTES

(8) EXISTING 12" STORM SEWER
(9) EXISTING 18" DRAIN PIPE
(10) PROPOSED STORM SEWER

HORIZONTAL CURVE DATA

WALL CURVE 1

P.I. = 10+85.09
X = 612945.43
Y = 128100.36
Δ = 6° 37' 09" LEFT
D = 3° 53' 37"
T = 85.09'
L = 170.00'
R = 1471.50'
P.C. = 10+00.00
X = 613030.23
Y = 128093.33
P.T. = 11+70.00
X = 612860.38
Y = 128097.57

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
HEATHER ANDERS (414) 410-6899

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB 11414 W. PARK PLACE MILWAUKEE, WI 53224 (414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-30-61

WALL SOUTH SIDE OF 74TH STREET

COUNTY	CITY
KENOSHA	KENOSHA

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
EAJ	JJO	EAJ	HDA

GENERAL PLAN & ELEVATION

SHEET 1 OF 5

PRE_81

8

8

FILE NAME : \\milw00\ingrproj\56470\1310-10-72_LocalRoads\b1\R-30-61\cds\R61_080101_gp.dgn PLOT DATE : 8/19/2019 9:31:39 AM PLOT BY : handers PLOT NAME : $FILE$ PLOT SCALE : 20:1

STATE PROJECT NUMBER
1310-10-72

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
206.3000.0401	EXCAVATION FOR STRUCTURES RETAINING WALLS R-30-61	LS	1
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	70
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	170
SPV.0165.0401	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-61	SF	1,050
	NON-BID ITEMS		
	NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 2000

WALL ELEVATIONS ◥

STATION	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GROUND EL.
10+00.00	717.42	717.42	721.09
10+20.00	722.23	717.25	720.69
10+25.00	722.21	717.20	720.68
10+50.00	722.12	716.99	719.89
10+75.00	722.03	716.77	719.14
11+00.00	721.94	716.56	719.03
11+25.00	721.84	716.34	718.33
11+45.00	721.77	716.17	720.05
11+50.00	720.61	716.12	720.53
11+70.00	715.95	715.95	719.33

LEGEND

◥ LINEARLY INTERPOLATE WALL ELEVATIONS BETWEEN STATIONS.

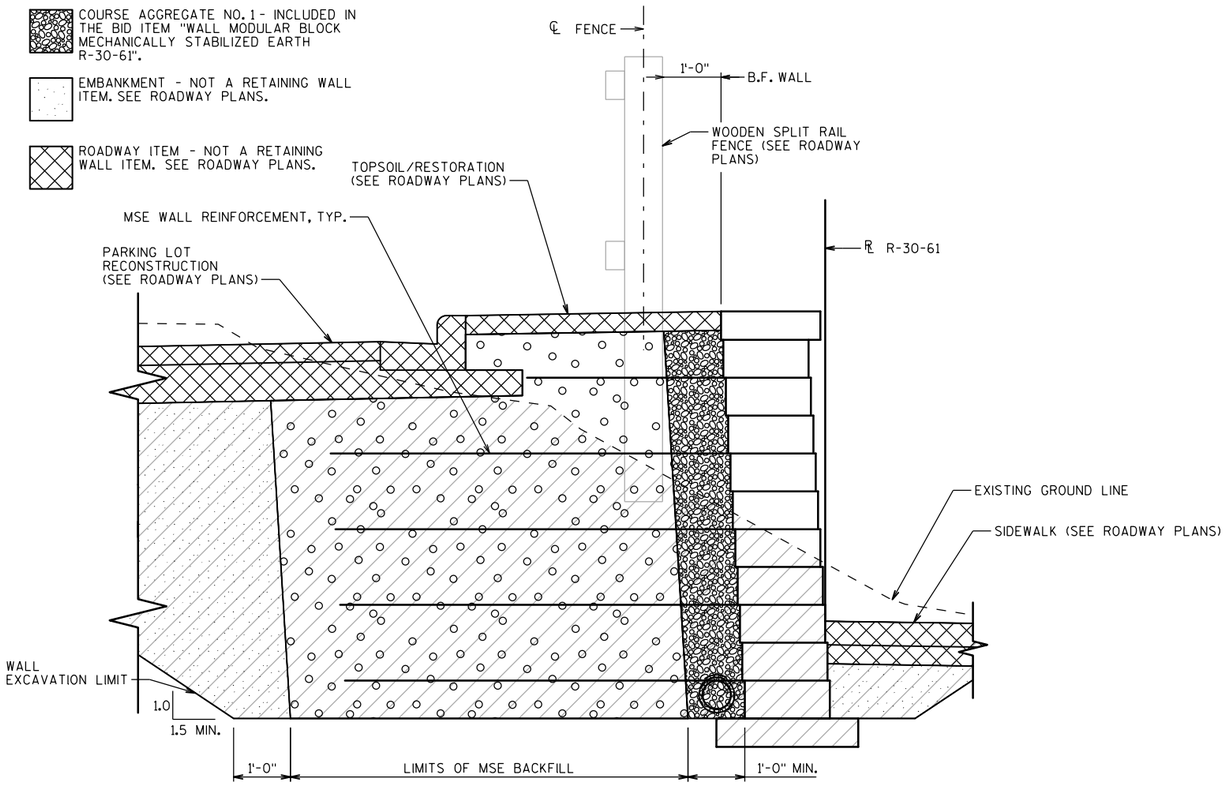
WALL EXCAVATION - INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-61".

MSE BACKFILL - INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-61".

COURSE AGGREGATE NO. 1 - INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-61".

EMBANKMENT - NOT A RETAINING WALL ITEM. SEE ROADWAY PLANS.

ROADWAY ITEM - NOT A RETAINING WALL ITEM. SEE ROADWAY PLANS.



WALL EXCAVATION LIMITS DIAGRAM

(LOOKING WEST)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES, UNLESS NOTED OTHERWISE.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), KENOSHA COUNTY, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (2007) ADJUSTED.

ALL STATIONS AND DIMENSIONS ARE AT FINISHED GRADE AT THE FRONT FACE OF WALL, UNLESS SHOWN OTHERWISE.

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-61".

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE BEHIND WALL AS SHOWN IN THESE PLANS AND A LIVE LOAD SURCHARGE OF 240 PSF.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IN THIS PLAN SET.

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND FACILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND FACILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-61" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE LEVELING PAD TO THE TOP OF WALL AS SHOWN IN THE PLANS. THE TOP OF LEVELING PAD IS TAKEN AS A CONSTANT 1'-6" BELOW FINISHED GRADE FOR PAYMENT PURPOSES.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST RESULTS.

THE COLOR OF THE BLOCK WALL SHALL MATCH AMS STANDARD COLOR NUMBER 33446 (MEDIUM TAN) OR A SIMILAR COLOR APPROVED BY THE ENGINEER.

BLOCK TO BE STRAIGHT FACE WITH A SPLIT BLOCK APPEARANCE.

THE ONLY ACCEPTABLE WALL SYSTEM IS MODULAR BLOCK MECHANICALLY STABILIZED EARTH.

THE COST OF FURNISHING AND PLACING THE LEVELING PAD UNDER THE MSE MODULAR BLOCK RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-61".

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES RETAINING WALLS R-30-61" SHALL BE THE EXISTING GROUNDLINE.

THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF RETAINING WALL R-30-61 WITH FENCE INSTALLATION. HOLES MAY BE CUT INTO THE RETAINING WALL GEOTEXTILE REINFORCEMENT TO ALLOW FOR PLACEMENT OF FENCE POSTS. POST HOLES SHALL NOT BE DRILLED.

BID ITEM "FENCE SPLIT RAIL TWO RAIL" INCLUDED IN ROADWAY PLANS.

SOLID PRECAST CONCRETE CAP UNIT COMPATIBLE WITH THE WALL SYSTEM SHALL BE USED.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-30-61

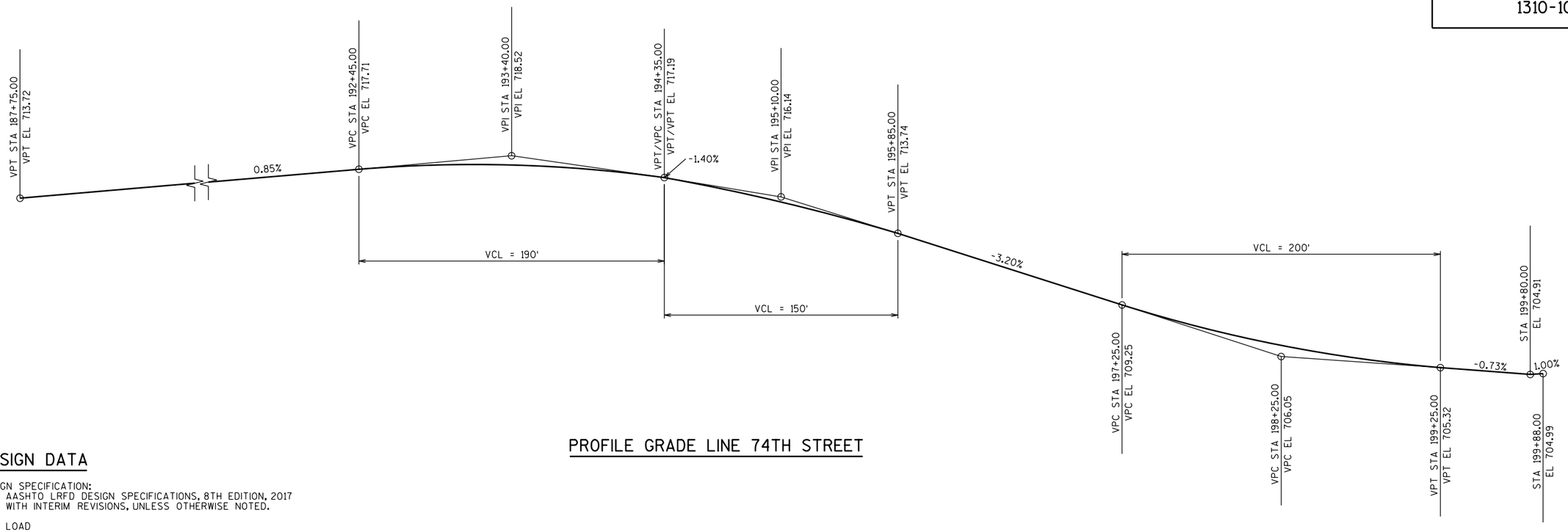
DRAWN BY EAJ | PLANS CK'D. HDA

GENERAL NOTES & QUANTITIES

SHEET 2 OF 5

PRE_82

STATE PROJECT NUMBER
1310-10-72



PROFILE GRADE LINE 74TH STREET

DESIGN DATA

DESIGN SPECIFICATION:
AASHTO LRFD DESIGN SPECIFICATIONS, 8TH EDITION, 2017
WITH INTERIM REVISIONS, UNLESS OTHERWISE NOTED.

LIVE LOAD
LIVE LOAD SURCHARGE (ROADWAY) 240 PSF

WALL EXTERNAL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	7.1
EXPOSED WALL HEIGHT (FEET)	5.6
◥ MINIMUM LENGTH OF REINFORCEMENT/WALL WIDTH (FEET)	6.0
REINFORCEMENT LENGTH/RETAINED HEIGHT RATIO	0.85H
WALL STATION	11+50
BORING USED	RW-L01
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING	1.47
ECCENTRICITY	2.25
BEARING	5.28
GLOBAL STABILITY	1.1

◥ THE LENGTHS PROVIDED IN THE TABLE ARE THE MINIMUM REQUIRED REINFORCEMENT LENGTHS BASED UPON THE MINIMUM DESCRIBED IN THE WALL SYSTEM SPECIAL PROVISIONS OR EXTERNAL AND GLOBAL STABILITY AT THE DESIGNATED LOCATIONS. THESE DESIGNATED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS, BUT SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR DESIGNED LENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES REPRESENTED IN THE TABLE AT THESE DESIGNATED LOCATIONS.

MSE WALL SOIL PARAMETERS

	SOIL DESCRIPTION	TOTAL UNIT WEIGHT (PCF)	UNDRAINED		DRAINED	
			FRICTION ANGLE (DEGREES)	COHESION (PSF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
	GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	32	--	32	0
	CLAY (RETAINED SOIL) ✳	120	30	1,500	30	50
BORING RW-L01	FILL - SANDY LEAN CLAY EL. 720.8 - EL. 714.8	130	0	1,500	29	50
BORING RW-L01	SILT EL. 714.8 - EL. 704.8	130	31	--	31	0
BORING RW-L01	LEAN CLAY EL. 704.8 - EL. 695.3	130	0	1,500	30	100
BORING RW-L02	FILL - SANDY LEAN CLAY EL. 721.1 - EL. 717.1	130	0	1,000	28	50
BORING RW-L02	LEAN CLAY EL. 717.1 - EL. 710.6	130	0	3,000	30	100
BORING RW-L02	CLAYEY SAND EL. 710.6 - EL. 709.1	130	0	--	32	0
BORING RW-L02	LEAN CLAY EL. 709.1 - EL. 707.1	130	0	2,000	30	100
BORING RW-L02	SILT EL. 707.1 - EL. 705.1	130	31	--	31	0
BORING RW-L02	LEAN CLAY EL. 705.1 - EL. 696.1	130	0	1,500	30	100

✳ DESIGN WALL FOR THESE VALUES

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-30-61

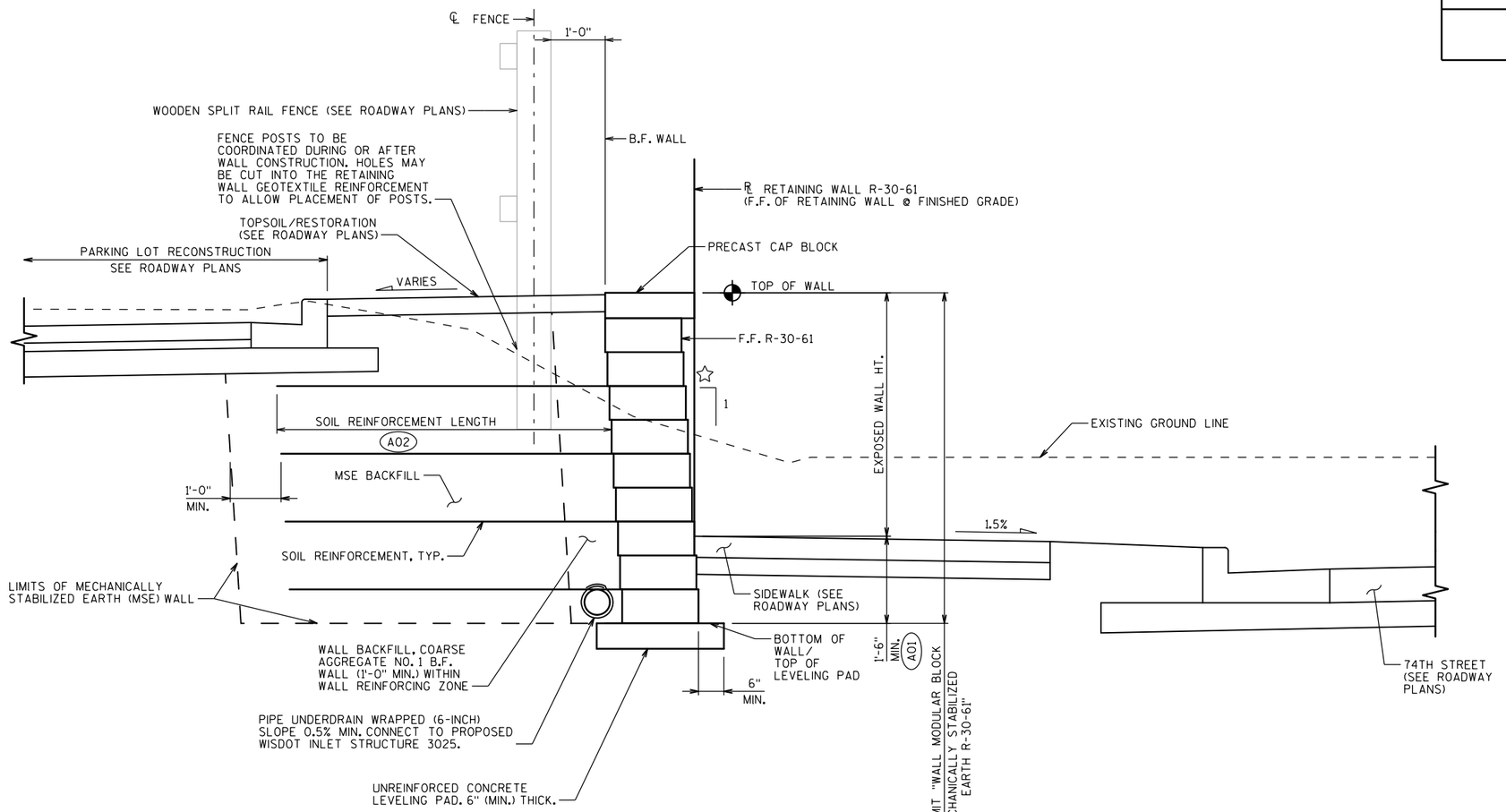
DRAWN BY EAJ | PLANS CK'D. HDA

PROFILE GRADE LINE & DESIGN DATA

SHEET 3 OF 5

PRE_83

STATE PROJECT NUMBER
1310-10-72



TYPICAL SECTION

(LOOKING WEST)

LEGEND

☆ WALL BATTER VARIES BY MANUFACTURER

(A01) MINIMUM DIMENSION FROM FINISHED GRADE AT FRONT FACE OF WALL TO TOP OF LEVELING PAD AS SHOWN. PAY LMITS BASED ON MINIMUM DIMENSION.

(A02) SEE WALL EXTERNAL STABILITY EVALUATION TABLE ON "PROFILE GRADE LINE & DESIGN DATA" SHEET FOR MINIMUM LENGTH OF MSE WALL REINFORCING STRIPS. SOIL REINFORCEMENT MUST EXTEND A MINIMUM OF 3.0 FEET BEYOND THE FAILURE PLANE FOR INTERNAL STABILITY AS DEFINED BY AASHTO SPECIFICATIONS.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-30-61

DRAWN BY EAJ | PLANS CK'D. HDA

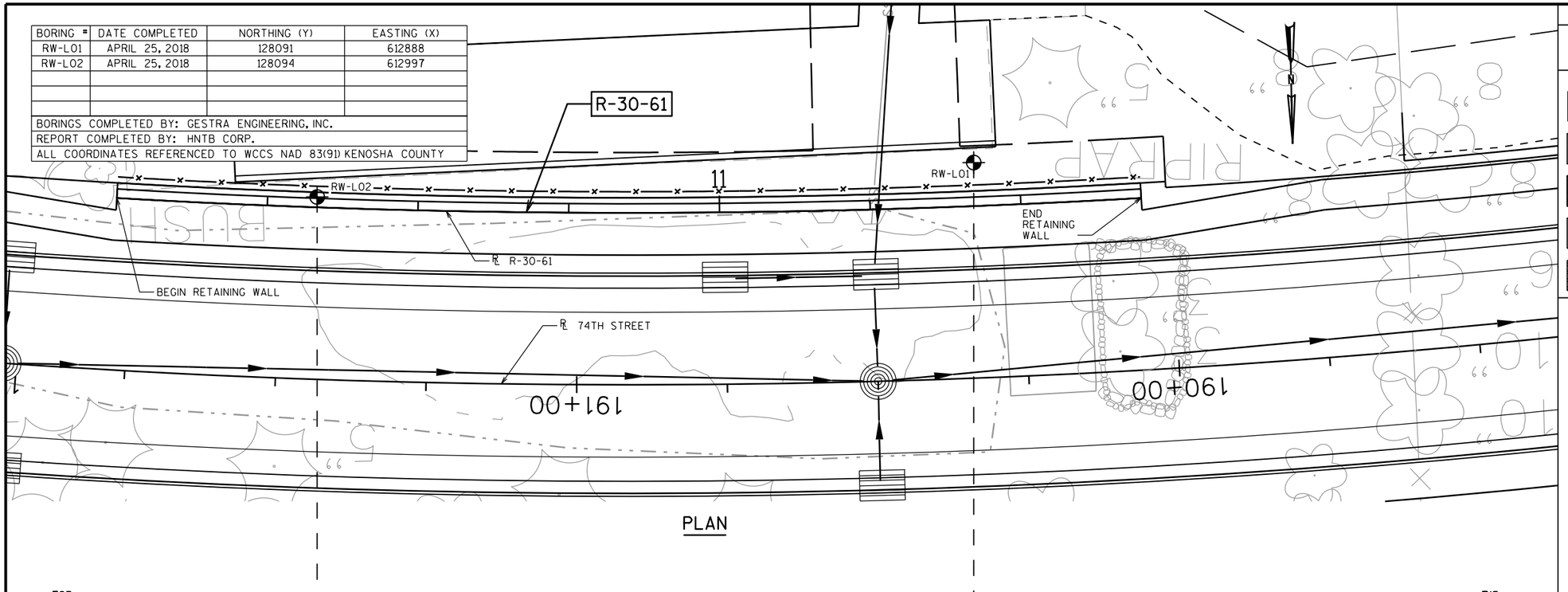
TYPICAL SECTION

SHEET 4 OF 5

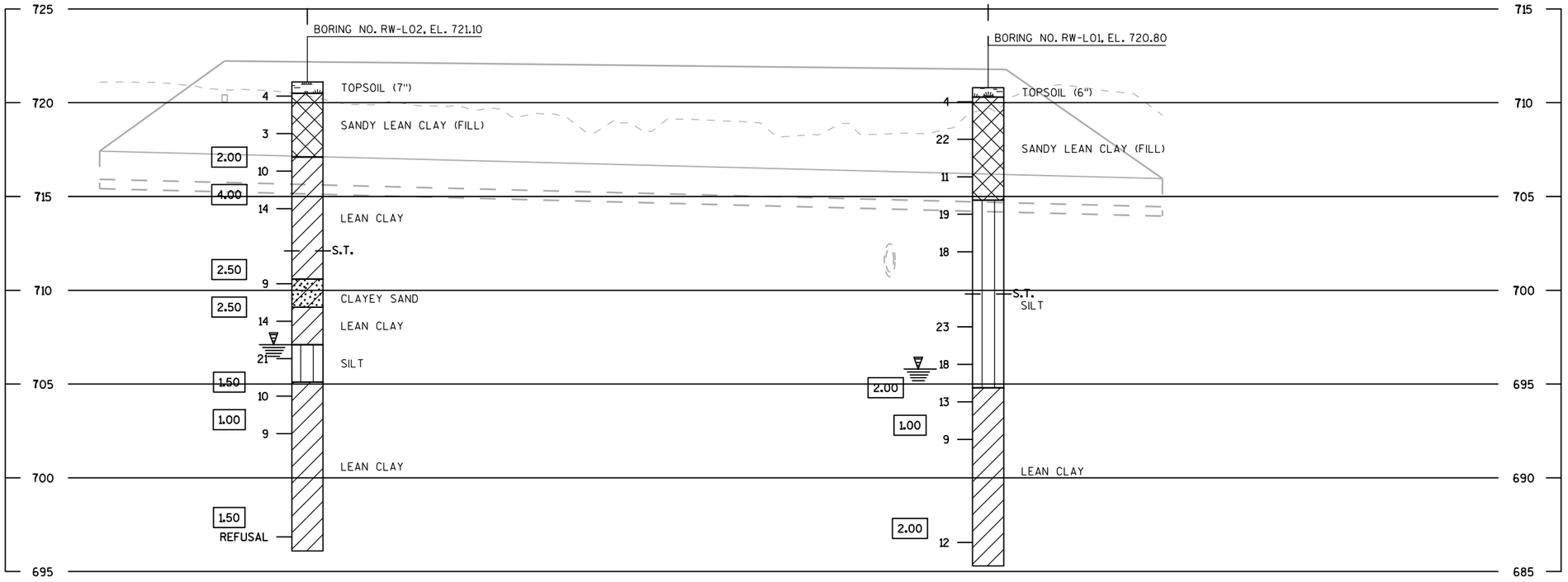
PRE_84

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
RW-L01	APRIL 25, 2018	128091	612888
RW-L02	APRIL 25, 2018	128094	612997

BORINGS COMPLETED BY: GESTRA ENGINEERING, INC.
REPORT COMPLETED BY: HNTB CORP.
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) KENOSHA COUNTY



PLAN



ELEVATION
LOOKING SOUTH AT FRONT FACE OF WALL

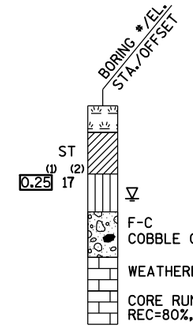
STATE PROJECT NUMBER

1310-10-72

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-30-61

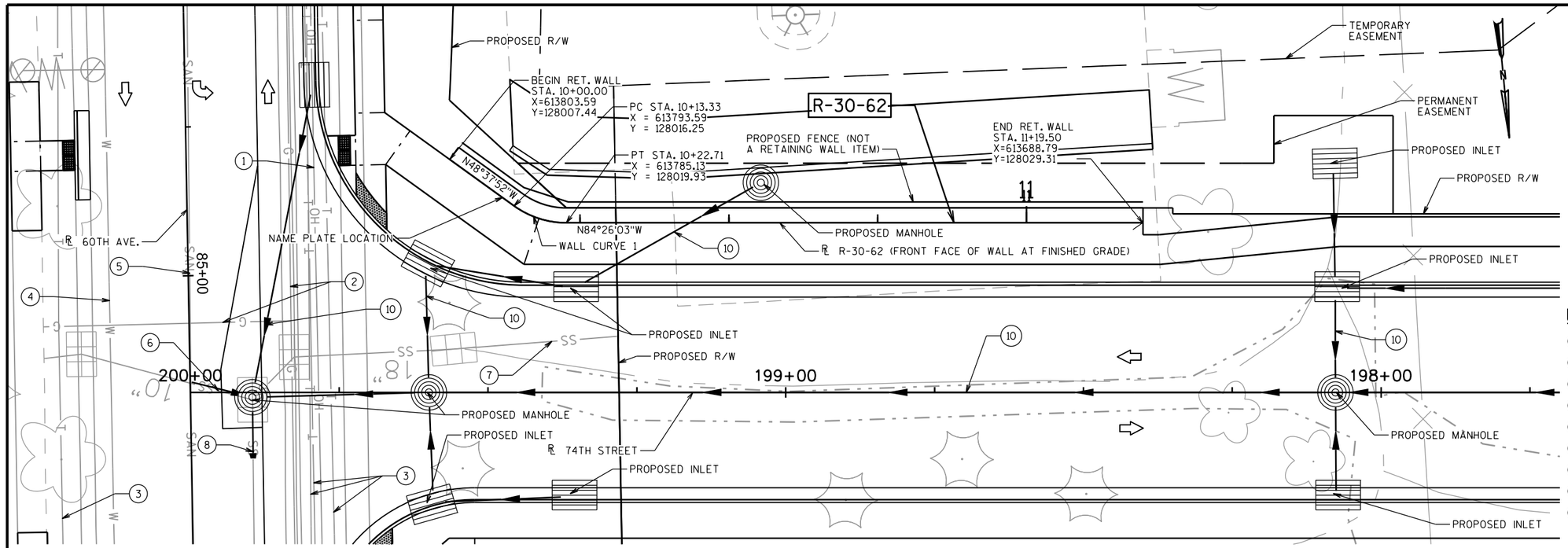
DRAWN BY	EAJ	PLANS CK'D.	HDA

SUBSURFACE EXPLORATION

SHEET 5 OF 5

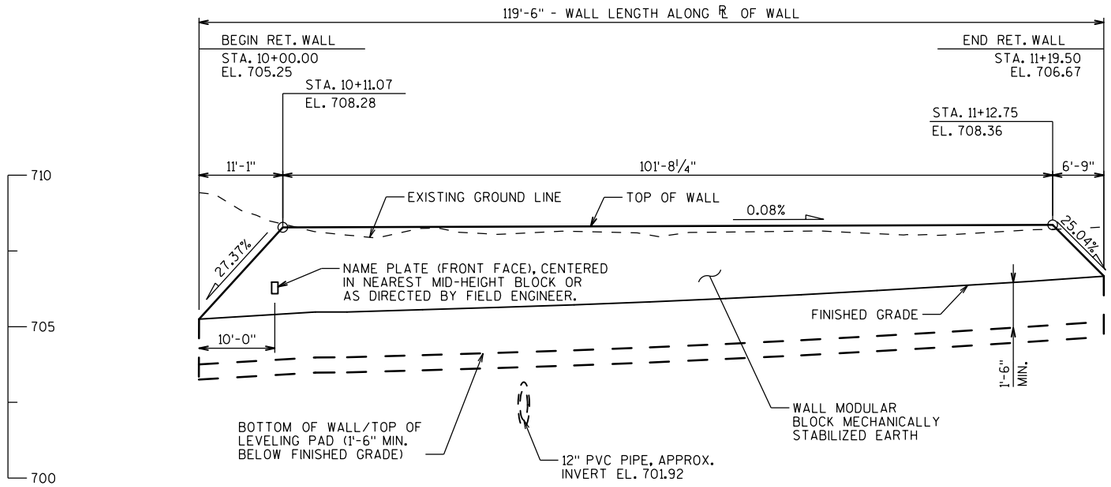
PRE_85

STATE PROJECT NUMBER
1310-10-72



PLAN

MSE WALL WITH MODULAR BLOCK FACING



ELEVATION

LOOKING SOUTH AT FRONT FACE OF WALL

LIST OF DRAWINGS

LEGEND

⇨ DIRECTION OF TRAFFIC

UTILITY & STORM SEWER NOTES

1. EXISTING WE ENERGIES OVERHEAD ELECTRIC LINE
2. EXISTING WE ENERGIES GAS LINE
3. EXISTING AT&T TELEPHONE LINE
4. EXISTING CITY OF KENOSHA WATER LINE
5. EXISTING SANITARY LINE
6. EXISTING 10" STORM SEWER
7. EXISTING 18" STORM SEWER
8. EXISTING 24" STORM SEWER
10. PROPOSED STORM SEWER

HORIZONTAL CURVE DATA

WALL CURVE 1

P.I. = 10+18.18
X = 613789.95
Y = 128019.46
Δ = 35° 48' 12" LEFT
D = 381° 58' 19"
T = 4.85'
L = 9.37'
R = 15.00'
P.C. = 10+13.33
X = 613793.59
Y = 128016.25
P.T. = 10+22.71
X = 613785.13
Y = 128019.93

STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
HEATHER ANDERS (414) 410-6899

NO.	DATE	REVISION	BY

ORIGINAL PLANS PREPARED BY

HNTB
11414 W. PARK PLACE
MILWAUKEE, WI 53224
(414) 359-2300

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED _____ _____
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE R-30-62

WALL SW CORNER OF 74TH STREET & 60TH AVE

COUNTY	CITY
KENOSHA	KENOSHA

DESIGN SPEC.
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
EAJ	JJO	EAJ	HDA

GENERAL PLAN & ELEVATION

SHEET 1 OF 5

PRE_86

STATE PROJECT NUMBER
1310-10-72

TOTAL ESTIMATED QUANTITIES

ITEM NO.	BID ITEMS	UNIT	TOTAL
206.3000.0402	EXCAVATION FOR STRUCTURES RETAINING WALLS R-30-62	LS	1
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF	30
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	120
SPV.0165.0402	WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-62	SF	450
	NON-BID ITEMS		
	NAME PLATE	EACH	1

ALL ITEMS ARE CATEGORY 2010

WALL ELEVATIONS ◥

STATION	TOP OF WALL EL.	FINISHED GRADE EL.	EXISTING GROUND EL.
10+00.00	705.25	705.25	709.42
10+11.07	708.28	705.39	708.39
10+13.33	708.28	705.42	708.25
10+22.71	708.29	705.51	707.95
10+25.00	708.29	705.53	707.99
10+50.00	708.31	705.72	708.14
10+75.00	708.33	705.99	708.14
11+00.00	708.35	706.34	708.04
11+12.75	708.36	706.55	708.21
11+19.50	706.67	706.67	708.29

LEGEND

◥ LINEARLY INTERPOLATE WALL ELEVATIONS BETWEEN STATIONS.

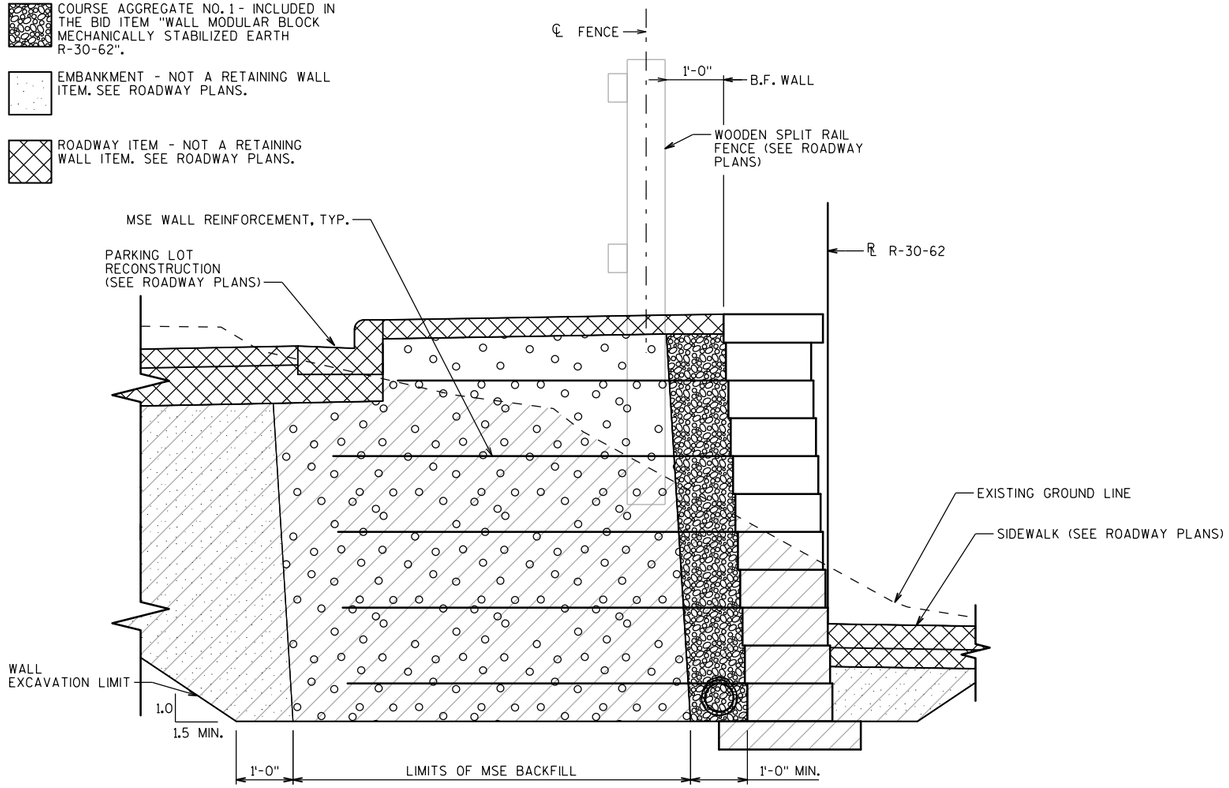
WALL EXCAVATION - INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-62".

MSE BACKFILL - INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-62".

COURSE AGGREGATE NO. 1 - INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-62".

EMBANKMENT - NOT A RETAINING WALL ITEM. SEE ROADWAY PLANS.

ROADWAY ITEM - NOT A RETAINING WALL ITEM. SEE ROADWAY PLANS.



WALL EXCAVATION LIMITS DIAGRAM

(LOOKING WEST)

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

ALL DIMENSIONS ARE IN FEET AND INCHES, UNLESS NOTED OTHERWISE.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), KENOSHA COUNTY, NAD 83 (2007). ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988, NAVD 88 (2007) ADJUSTED.

ALL STATIONS AND DIMENSIONS ARE AT FINISHED GRADE AT THE FRONT FACE OF WALL, UNLESS SHOWN OTHERWISE.

THE CONTRACTOR SHALL PROVIDE COMPLETE DESIGN, PLANS, DETAILS, SPECIFICATIONS AND SHOP DRAWINGS FOR THE RETAINING WALL IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE RETAINING WALL MANUFACTURER SHALL PROVIDE TECHNICAL ASSISTANCE TO THE CONTRACTOR DURING CONSTRUCTION. THE COST OF FURNISHING THESE ITEMS SHALL BE INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-62".

DESIGN FOR RETAINING WALL TO PROVIDE FOR FINISHED GRADE BEHIND WALL AS SHOWN IN THESE PLANS AND A LIVE LOAD SURCHARGE OF 240 PSF.

THE RETAINING WALL IS TO BE DESIGNED USING THE ELEVATIONS GIVEN IS THIS PLAN SET.

PLANS, ELEVATIONS, AND DETAILS SHOWN ON THESE DRAWINGS ARE INTENDED TO INDICATE WALL LOCATIONS, LENGTHS, HEIGHTS, AND DETAILS COMMON TO THE WALL SYSTEM SELECTED. THE CONTRACTOR SHALL VERIFY THAT THE WALL SYSTEM SELECTED WILL CONFORM TO THE REQUIRED ALIGNMENTS AND DETAILS.

THE UTILITY AND STORM SEWER INFORMATION SHOWN ON THESE DRAWINGS CONCERNING TYPE AND LOCATION OF UNDERGROUND FACILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO TYPE AND LOCATION OF UNDERGROUND FACILITIES AS MAY BE NECESSARY TO AVOID DAMAGE. UTILITIES LABELED AS PROPOSED MAY BE INSTALLED BY OTHERS PRIOR TO THIS CONTRACT.

PLANS, DIMENSIONS AND QUANTITIES ARE BASED ON AN ASSUMED MODULAR BLOCK DEPTH OF 18 INCHES.

THE PLAN QUANTITY FOR THE ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-62" IS BASED ON A WALL HEIGHT MEASURED FROM THE TOP OF THE LEVELING PAD TO THE TOP OF WALL AS SHOWN IN THE PLANS. THE TOP OF LEVELING PAD IS TAKEN AS A CONSTANT 1'-6" BELOW FINISHED GRADE FOR PAYMENT PURPOSES.

THE MAXIMUM VALUE OF THE ANGLE OF INTERNAL FRICTION OF THE WALL BACKFILL MATERIAL IN THE REINFORCED ZONE SHALL BE ASSUMED TO BE 30° WITHOUT CERTIFIED TEST RESULTS.

THE COLOR OF THE BLOCK WALL SHALL MATCH AMS STANDARD COLOR NUMBER 33446 (MEDIUM TAN) OR A SIMILAR COLOR APPROVED BY THE ENGINEER.

BLOCK TO BE STRAIGHT FACE WITH A SPLIT BLOCK APPEARANCE.

THE ONLY ACCEPTABLE WALL SYSTEM IS MODULAR BLOCK MECHANICALLY STABILIZED EARTH.

THE COST OF FURNISHING AND PLACING THE LEVELING PAD UNDER THE MSE MODULAR BLOCK RETAINING WALL IS INCLUDED IN THE BID ITEM "WALL MODULAR BLOCK MECHANICALLY STABILIZED EARTH R-30-62".

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES RETAINING WALLS R-30-62" SHALL BE THE EXISTING GROUNDLINE.

THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF RETAINING WALL R-30-62 WITH FENCE INSTALLATION. HOLES MAY BE CUT INTO THE RETAINING WALL GEOTEXTILE REINFORCEMENT TO ALLOW FOR PLACEMENT OF FENCE POSTS. POST HOLES SHALL NOT BE DRILLED.

BID ITEM "FENCE SPLIT RAIL TWO RAIL" INCLUDED IN ROADWAY PLANS.

SOLID PRECAST CONCRETE CAP UNIT COMPATIBLE WITH WALL SYSTEM SHALL BE USED.

8

8

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-30-62

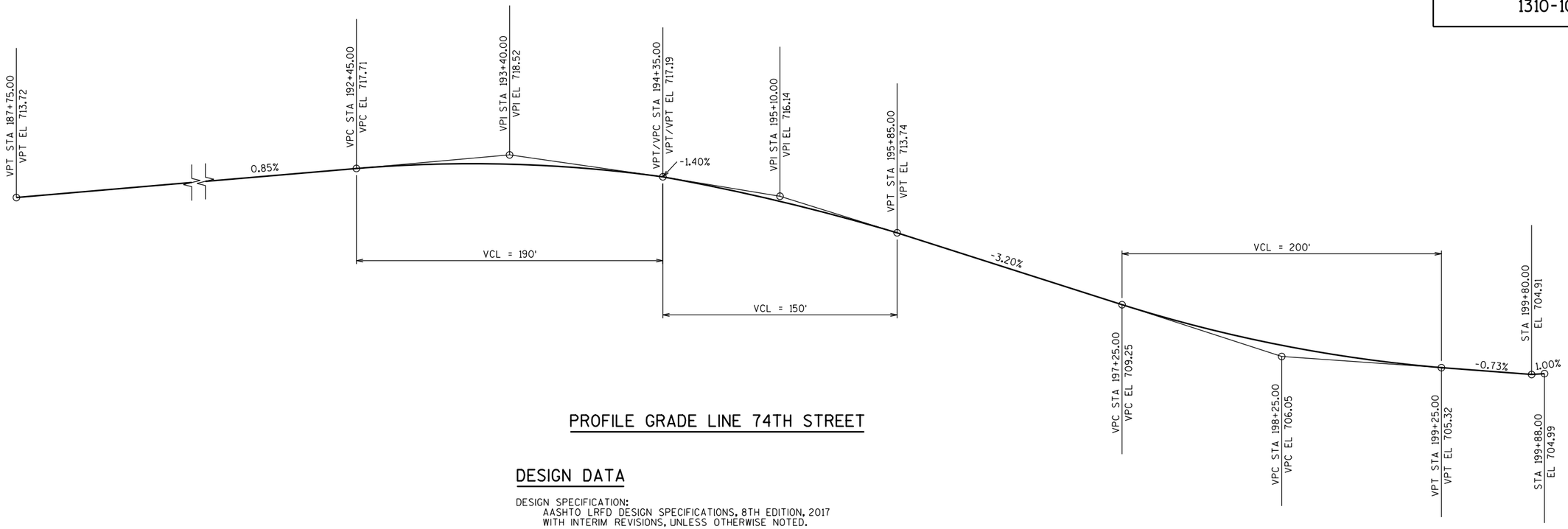
DRAWN BY EAJ | PLANS CK'D. HDA

GENERAL NOTES & QUANTITIES

SHEET 2 OF 5

PRE_87

STATE PROJECT NUMBER
1310-10-72



PROFILE GRADE LINE 74TH STREET

DESIGN DATA

DESIGN SPECIFICATION:
AASHTO LRFD DESIGN SPECIFICATIONS, 8TH EDITION, 2017
WITH INTERIM REVISIONS, UNLESS OTHERWISE NOTED.

LIVE LOAD
LIVE LOAD SURCHARGE (ROADWAY) 240 PSF

WALL EXTERNAL STABILITY EVALUATION

DIMENSIONS	
WALL HEIGHT (FEET)	4.4
EXPOSED WALL HEIGHT (FEET)	2.9
◥ MINIMUM LENGTH OF REINFORCEMENT/WALL WIDTH (FEET)	6.0
REINFORCEMENT LENGTH/RETAINED HEIGHT RATIO	1.37H
WALL STATION	10+55
BORING USED	RW-L03
CAPACITY TO DEMAND RATIO (CDR)	
SLIDING	2.49
ECCENTRICITY	4.73
BEARING	11.52
GLOBAL STABILITY	1.2

◥ THE LENGTHS PROVIDED IN THE TABLE ARE THE MINIMUM REQUIRED REINFORCEMENT LENGTHS BASED UPON THE MINIMUM DESCRIBED IN THE WALL SYSTEM SPECIAL PROVISIONS OR EXTERNAL AND GLOBAL STABILITY AT THE DESIGNATED LOCATIONS. THESE DESIGNATED LOCATIONS REPRESENT TYPICAL AND CRITICAL WALL LOCATIONS, BUT SHALL NOT BE CONSIDERED ALL INCLUSIVE. THE CONTRACTOR DESIGNED LENGTHS SHALL MEET OR EXCEED THE MINIMUM VALUES REPRESENTED IN THE TABLE AT THESE DESIGNATED LOCATIONS.

MSE WALL SOIL PARAMETERS

SOIL DESCRIPTION	TOTAL UNIT WEIGHT (PCF)	UNDRAINED		DRAINED	
		FRICTION ANGLE (DEGREES)	COHESION (PSF)	FRICTION ANGLE (DEGREES)	COHESION (PSF)
GRANULAR BACKFILL (REINFORCING ZONE OR BACKFILL)	120	32	--	32	0
SILTY CLAY (RETAINED SOIL) ✳	130	32	4,000	32	50
SILTY CLAY EL. 707.9 - EL. 698.9	130	0	4,000	32	50
LEAN CLAY EL. 698.9 - EL. 694.9	130	0	3,500	30	100
SILT EL. 694.9 - EL. 693.9	125	32	--	32	0
LEAN CLAY EL. 693.9 - EL. 682.4	130	0	2,500	30	100

✳ DESIGN WALL FOR THESE VALUES

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-30-62

DRAWN BY EAJ | PLANS CK'D. HDA

PROFILE GRADE LINE & DESIGN DATA

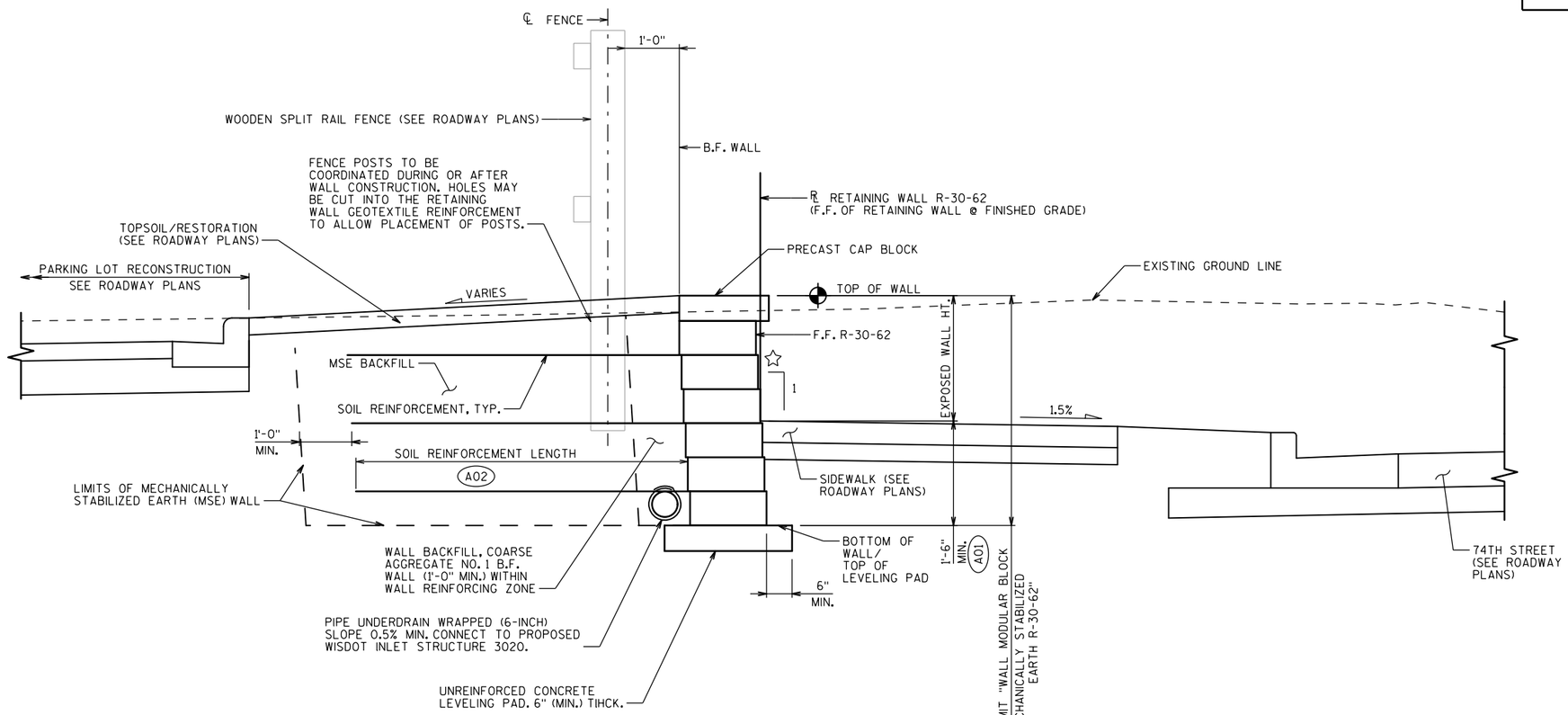
SHEET 3 OF 5

PRE_88

8

FILE NAME : \\milw00\ingrproj\56470\1310-10-72_LocalRoads\b1\R-30-62\cds\R62_080103_pr.dgn PLOT DATE : 8/19/2019 9:28:39 AM PLOT BY : handers PLOT NAME : $FILE$ PLOT SCALE : 2.66667:1

STATE PROJECT NUMBER
1310-10-72



TYPICAL SECTION

(LOOKING WEST)

LEGEND

☆ WALL BATTER VARIES BY MANUFACTURER

(A01) MINIMUM DIMENSION FROM FINISHED GRADE AT FRONT FACE OF WALL TO TOP OF LEVELING PAD AS SHOWN. PAY LMITS BASED ON MINIMUM DIMENSION.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-30-62

DRAWN BY EAJ | PLANS CK'D. HDA

TYPICAL SECTION

SHEET 4 OF 5

PRE_89

8

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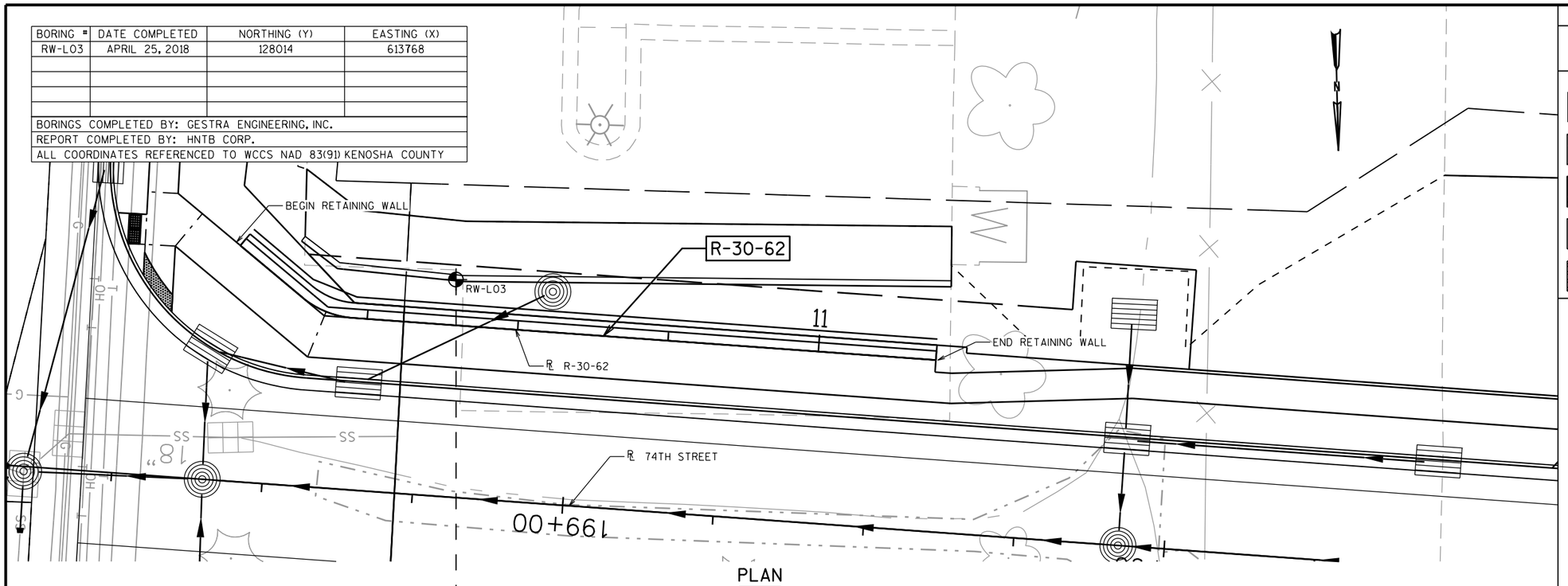
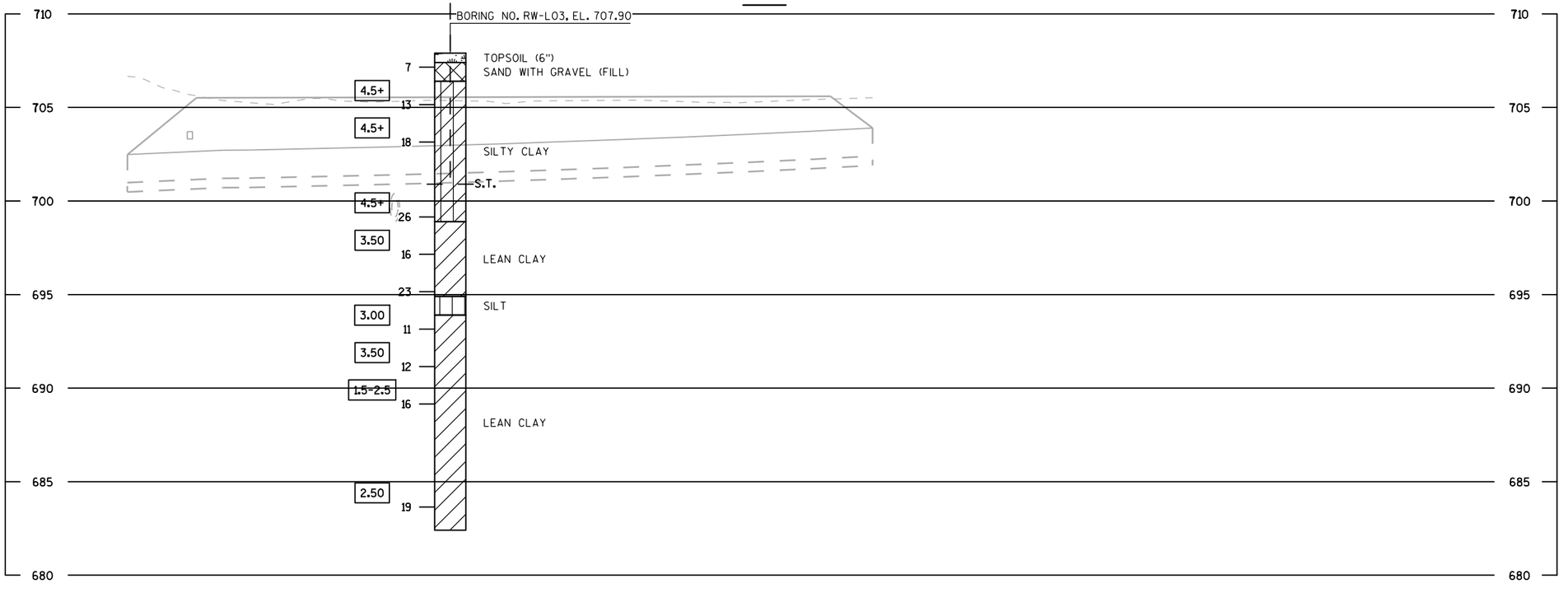
BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
RW-L03	APRIL 25, 2018	128014	613768

BORINGS COMPLETED BY: GESTRA ENGINEERING, INC.
REPORT COMPLETED BY: HNTB CORP.
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) KENOSHA COUNTY



PLAN



ELEVATION
LOOKING SOUTH AT FRONT FACE OF WALL

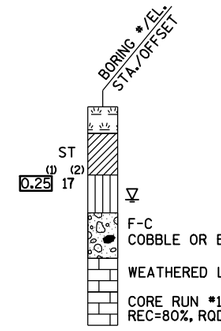
STATE PROJECT NUMBER

1310-10-72

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

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NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE R-30-62

DRAWN BY	EAJ	PLANS CK'D.	HDA

SUBSURFACE EXPLORATION

SHEET 5 OF 5

PRE_90

Division 1 - 74th Street

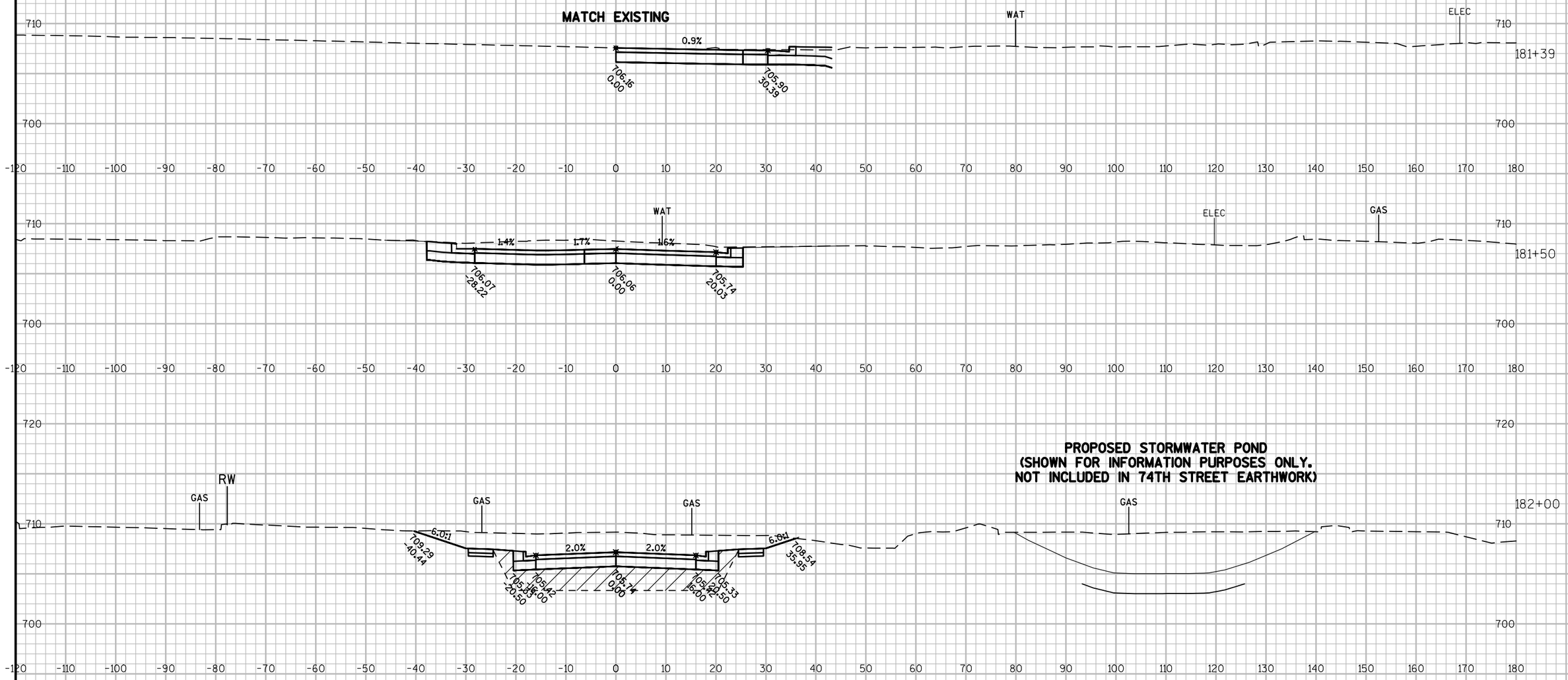
STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.15	Cumulative Vol (CY) Expanded EBS Backfill 1.15	Mass Ordinate
181+39.43	0.00	64.10	0.00	0.00	0	0	0	0	0	0	0
181+50	10.57	138.75	0.00	0.00	40	0	0	40	0	0	40
182+00	50.00	192.10	0.05	106.72	306	0	99	346	0	114	346
182+50	50.00	250.11	0.00	106.72	409	0	198	756	0	341	755
183+00	50.00	213.24	0.00	106.72	429	0	198	1,185	0	568	1,184
183+50	50.00	185.46	0.00	106.72	369	0	198	1,554	0	795	1,554
184+00	50.00	150.58	0.93	110.99	311	1	202	1,865	1	1,027	1,864
184+50	50.00	123.89	6.79	120.11	254	7	214	2,119	9	1,273	2,110
185+00	50.00	134.61	3.96	121.38	239	10	224	2,358	21	1,530	2,338
185+50	50.00	145.41	3.19	118.16	259	7	222	2,618	28	1,786	2,589
186+00	50.00	126.63	0.00	107.48	252	3	209	2,870	32	2,026	2,838
186+50	50.00	55.22	6.72	102.69	168	12	190	3,038	46	2,245	2,992
187+00	50.00	36.15	17.50	99.35	85	22	187	3,123	72	2,460	3,051
187+50	50.00	65.62	18.01	97.96	94	33	183	3,217	110	2,670	3,107
188+00	50.00	20.25	22.35	97.74	80	37	181	3,296	153	2,878	3,144
188+50	50.00	15.62	31.62	0.00	33	50	91	3,329	210	2,982	3,119
189+00	50.00	30.82	13.63	0.00	43	42	0	3,372	258	2,982	3,114
189+50	50.00	52.67	5.09	0.00	77	17	0	3,450	278	2,982	3,171
190+00	50.00	172.85	0.00	56.32	209	5	52	3,659	284	3,042	3,375
190+50	50.00	300.24	17.12	55.96	438	16	104	4,097	302	3,162	3,795
191+00	50.00	270.62	12.14	55.96	529	27	104	4,625	333	3,281	4,292
191+50	50.00	245.85	3.48	55.96	478	14	104	5,103	350	3,400	4,754
192+00	50.00	233.74	0.00	0.00	444	3	52	5,547	353	3,460	5,194
192+50	50.00	308.65	0.06	0.00	502	0	0	6,050	353	3,460	5,696
193+00	50.00	314.87	0.00	0.00	577	0	0	6,627	354	3,460	6,273
193+50	50.00	382.87	0.00	0.00	646	0	0	7,273	354	3,460	6,920
194+00	50.00	497.93	0.00	0.00	816	0	0	8,089	354	3,460	7,735
194+50	50.00	300.57	0.00	0.00	739	0	0	8,828	354	3,460	8,474
195+00	50.00	188.83	6.65	53.54	453	6	50	9,281	361	3,517	8,921
195+50	50.00	183.97	1.10	55.95	345	7	101	9,626	369	3,633	9,257
196+00	50.00	192.14	0.00	55.96	348	1	104	9,975	370	3,752	9,605
196+50	50.00	235.19	0.04	55.96	396	0	104	10,370	370	3,872	10,000
197+00	50.00	285.89	0.00	55.14	482	0	103	10,853	370	3,990	10,483
197+50	50.00	175.34	0.00	57.05	427	0	104	11,280	370	4,109	10,910
198+00	50.00	60.46	2.54	55.90	218	2	105	11,498	373	4,230	11,125
198+50	50.00	174.58	3.79	55.96	218	6	104	11,716	380	4,349	11,336
199+00	50.00	189.06	3.00	55.96	337	6	104	12,052	387	4,468	11,666
199+43.9	43.90	125.61	2.09	55.58	256	4	91	12,308	392	4,572	11,917
				SUBTOTALS	12,308	340	3,976				

Division 1 - 60th Avenue

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.15	Cumulative Vol (CY) Expanded EBS Backfill 1.15	Mass Ordinate
82+57.62	0.00	11.87	0.00	0.00	0	0	0	0	0	0	0
83+00	42.38	45.41	0.00	0.00	45	0	0	45	0	0	45
83+50	50.00	38.67	0.00	0.00	78	0	0	123	0	0	123
84+00	50.00	41.88	0.00	0.00	75	0	0	197	0	0	197
84+50	50.00	43.09	0.00	0.00	79	0	0	276	0	0	276
85+00	50.00	111.27	0.00	4.22	143	0	4	419	0	4	419
85+19.6	19.60	80.35	0.00	8.53	70	0	5	489	0	10	489
85+50	30.40	37.68	0.00	0.00	66	0	5	555	0	15	555
86+00	50.00	35.93	0.00	0.00	68	0	0	623	0	15	623
86+50	50.00	23.51	0.00	0.00	55	0	0	678	0	15	678
86+81.27	31.27	11.01	0.00	0.00	20	0	0	698	0	15	698
				SUBTOTALS:	698	0	13				

Division 1 - Aldi Driveway

STATION	Distance	AREA (SF) Cut	AREA (SF) Fill	AREA (SF) EBS	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Incremental Vol (CY) (Unadjusted) EBS	Cumulative Vol (CY) Cut 1.00	Cumulative Vol (CY) Expanded Fill 1.15	Cumulative Vol (CY) Expanded EBS Backfill 1.10	Mass Ordinate
10+03.21	0.00	33.94	0.03	0.00	0	0	0	0	0	0	0
10+50	46.79	0.00	49.07	0.00	29	43	0	29	49	0	-20
10+77.41	27.41	11.27	7.97	0.00	6	29	0	35	82	0	-47
				SUBTOTALS:	35	71	0				

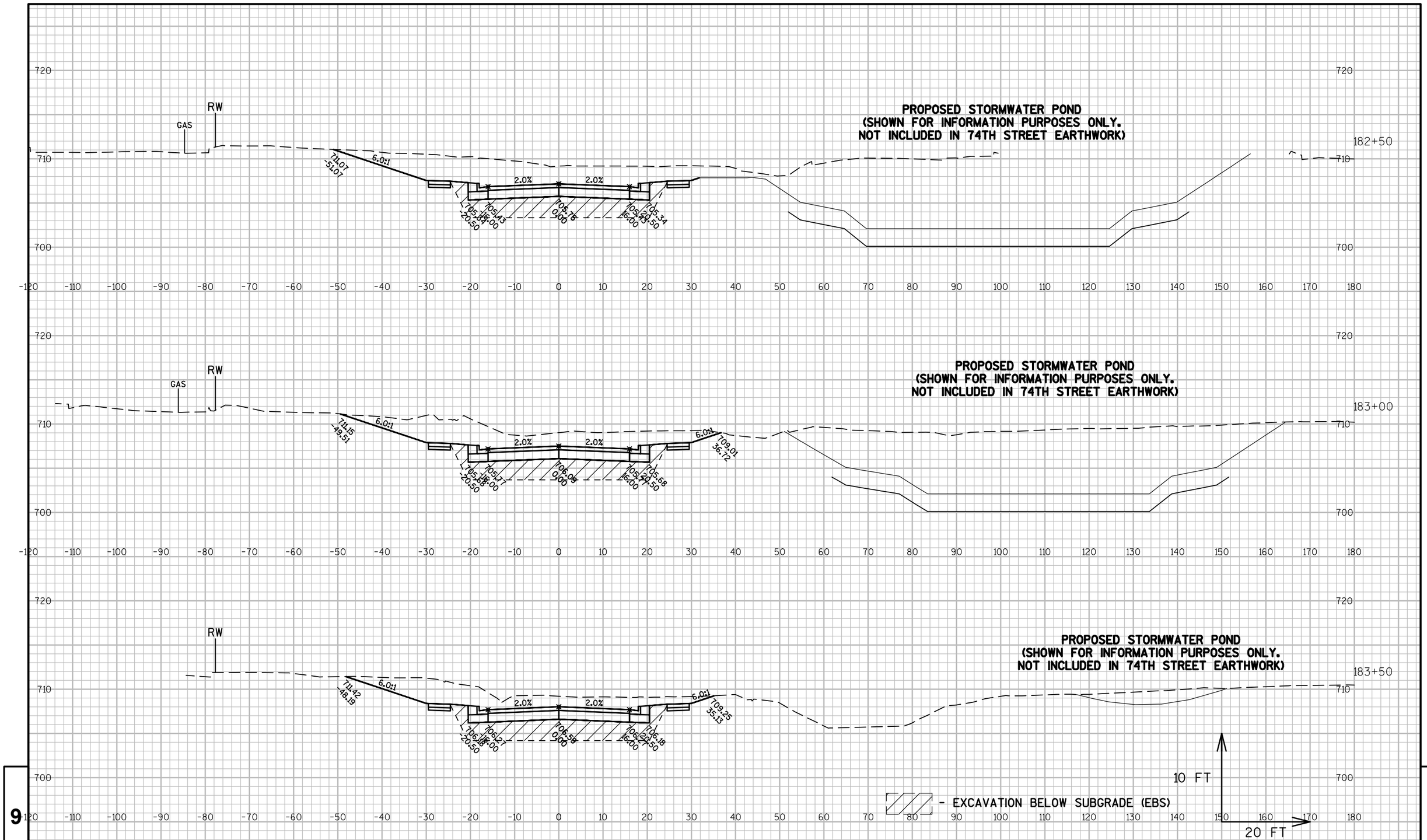


PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:11 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

PRE_93

WISDOT/CADDS SHEET 49



9

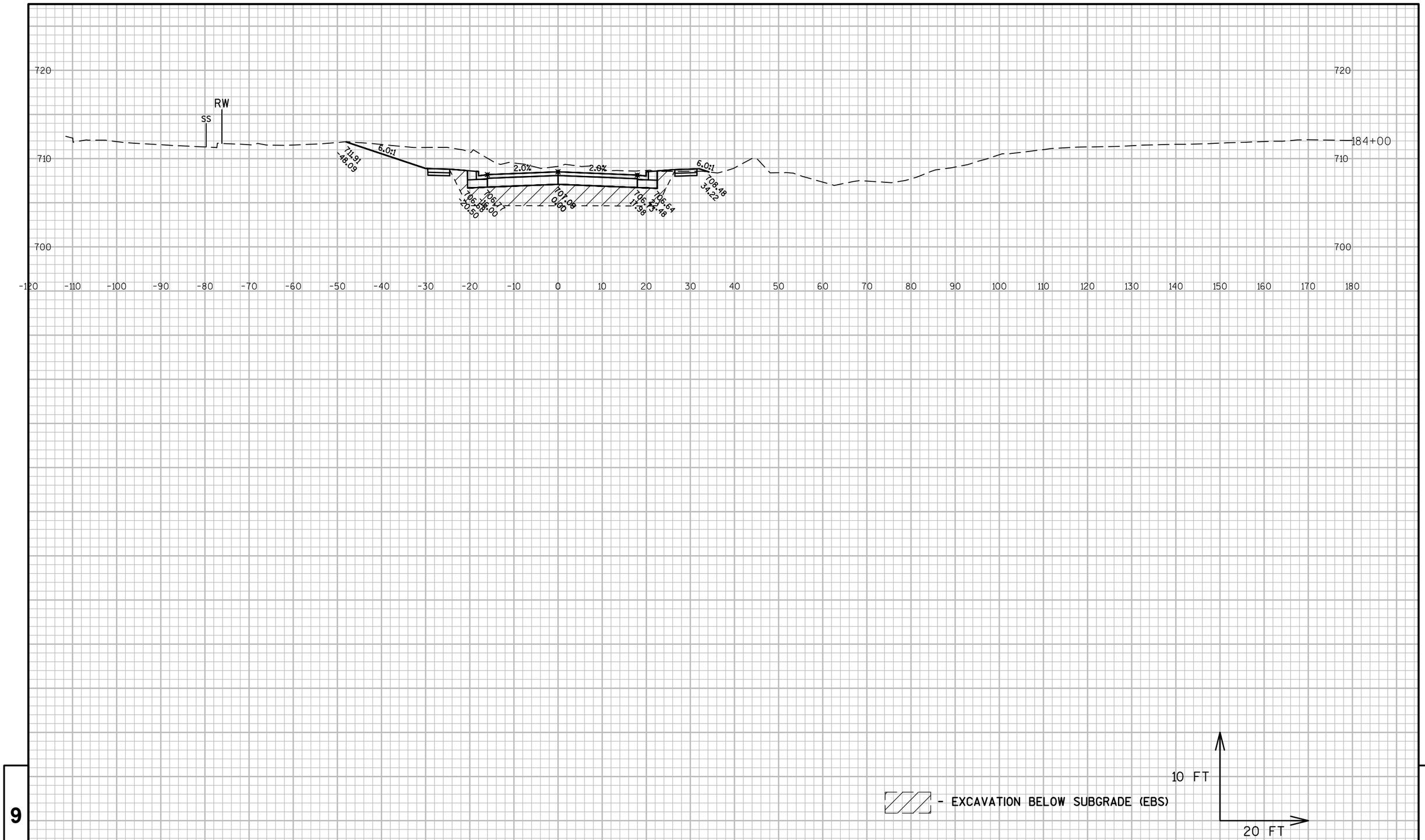
9

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

PRE_94

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:11 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

WISDOT/CADDS SHEET 49



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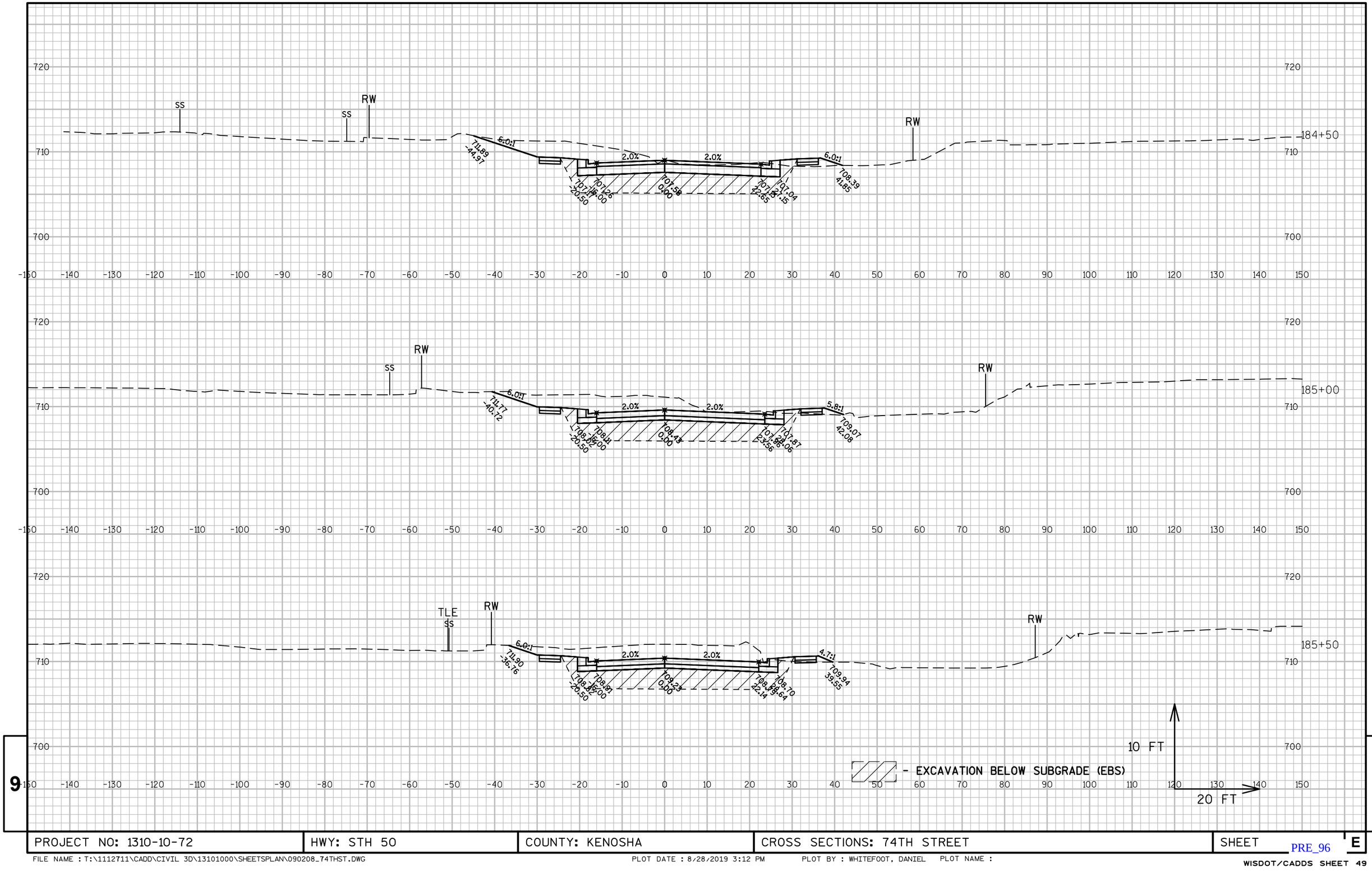
PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:12 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

PRE_95

WISDOT/CADDS SHEET 49



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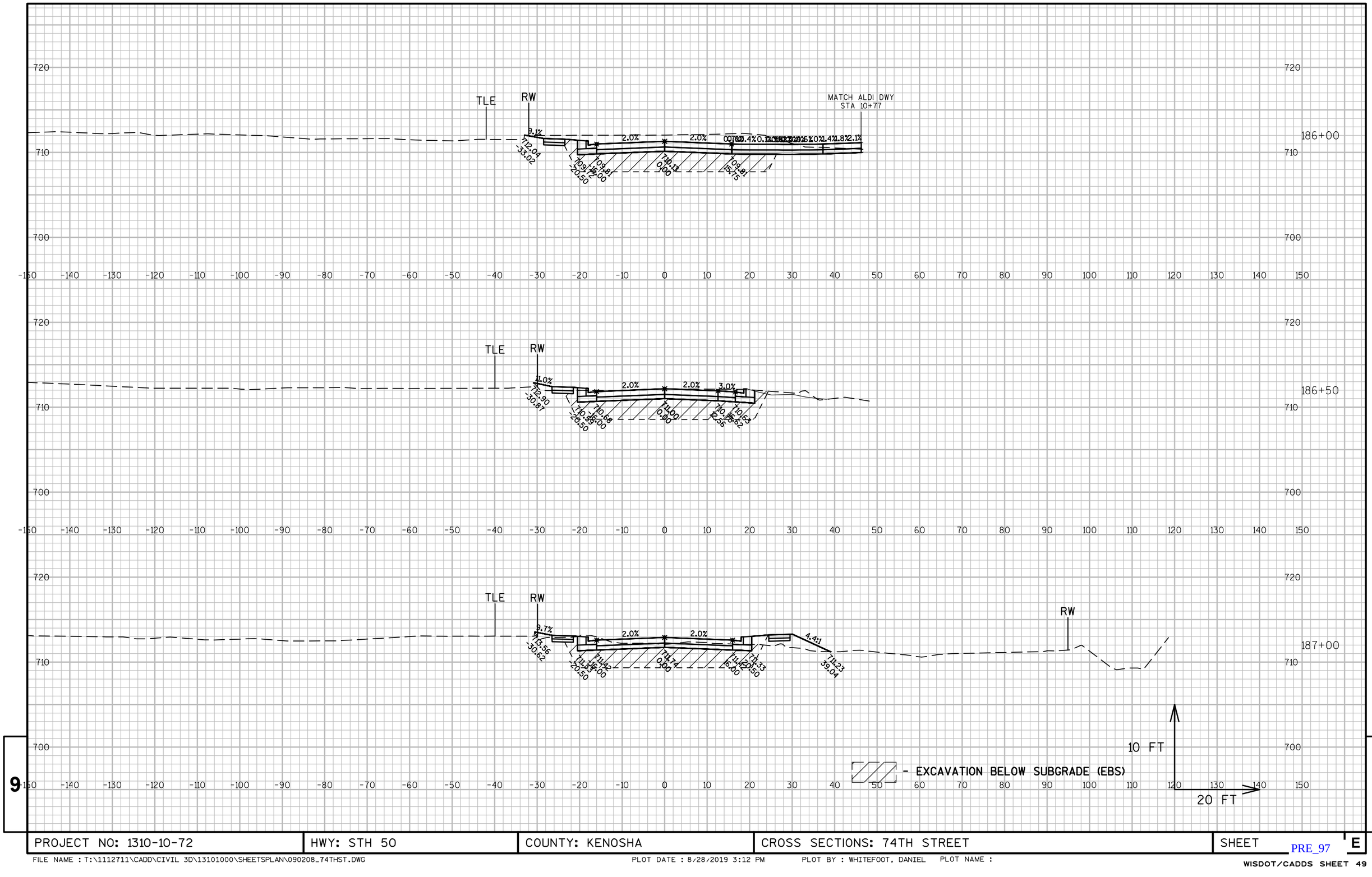
PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:12 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

PRE_96

WISDOT/CADDS SHEET 49

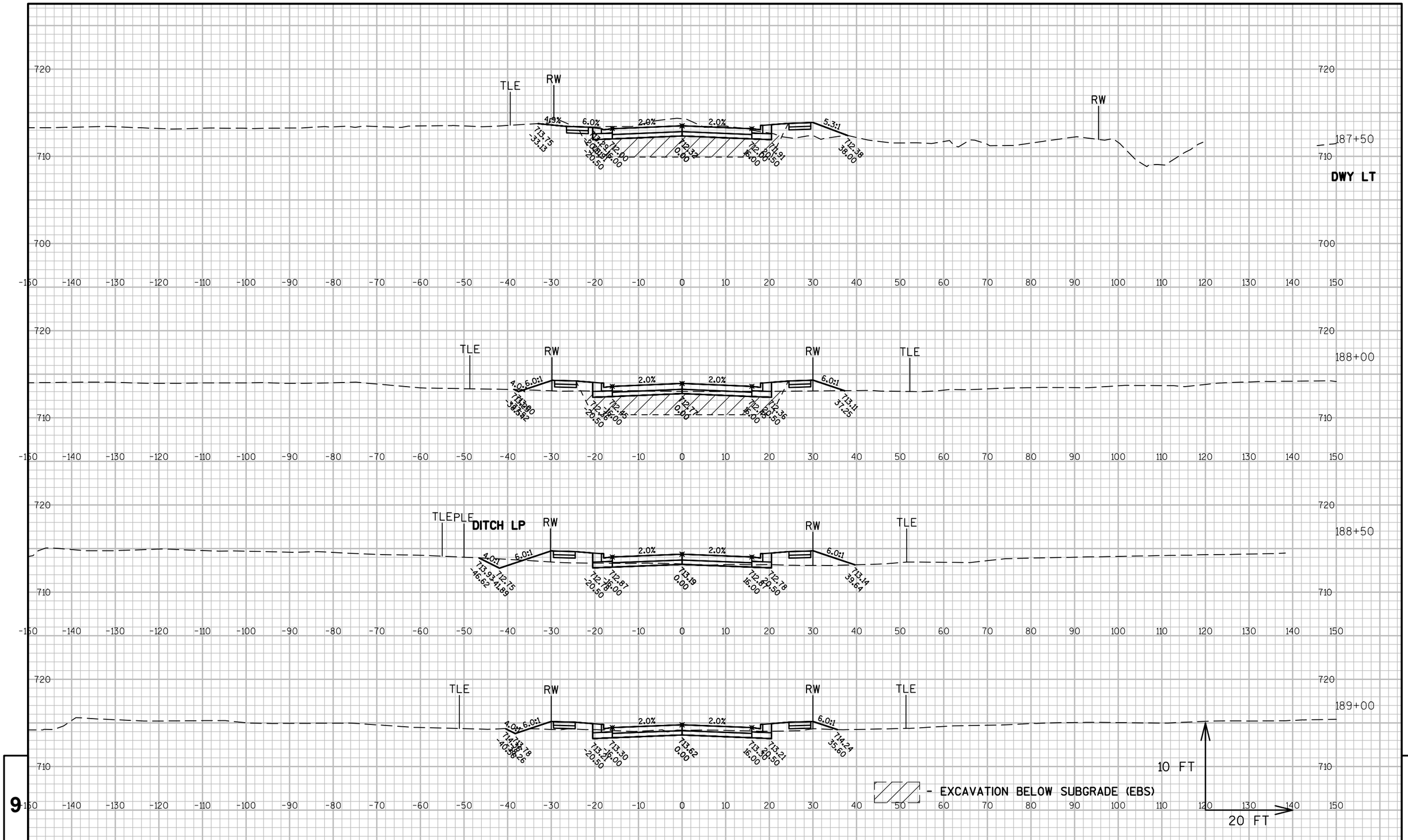
9



PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

PRE_97

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:12 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

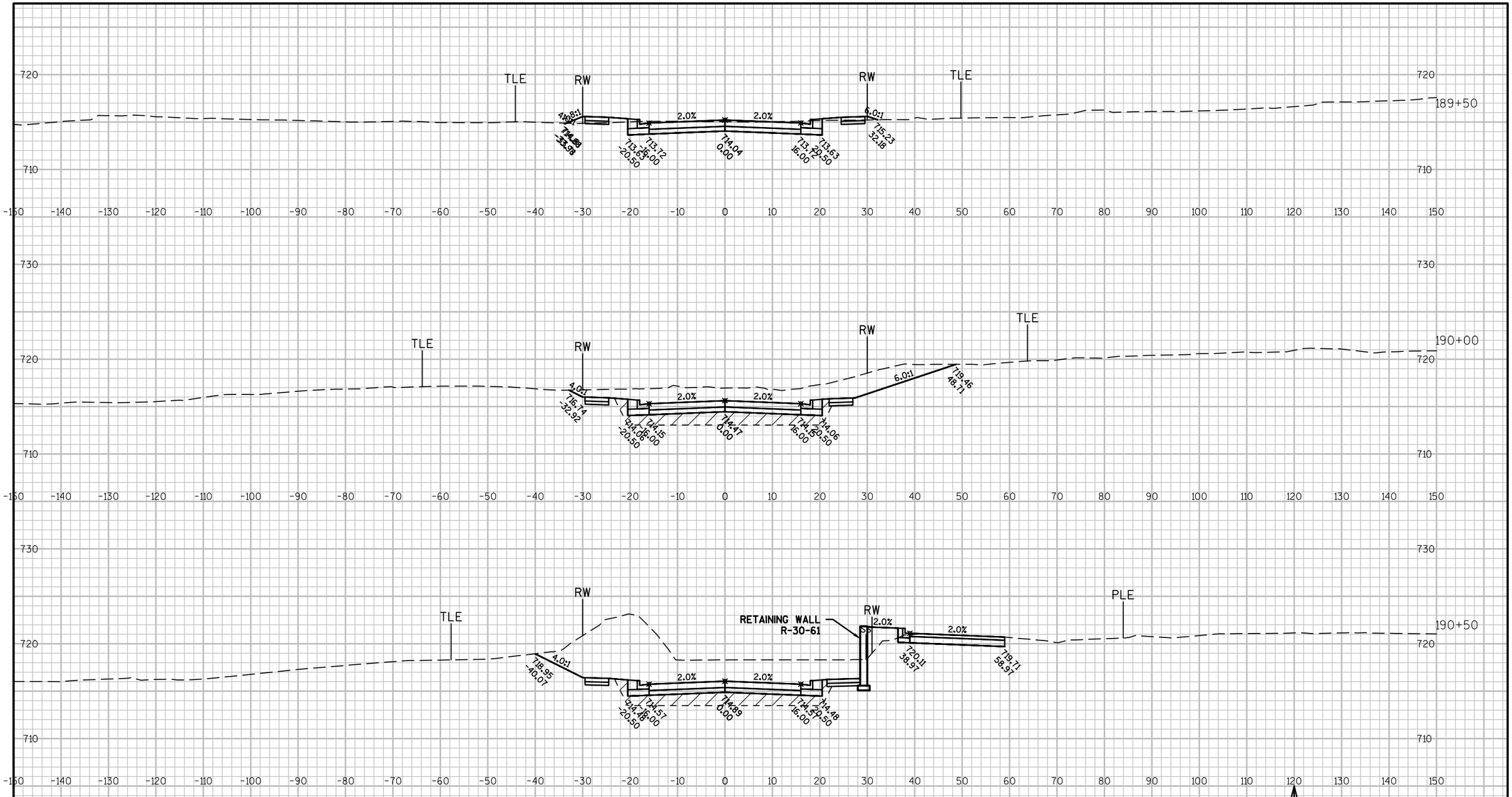


PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

PRE_98

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:12 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

WISDOT/CADDS SHEET 49

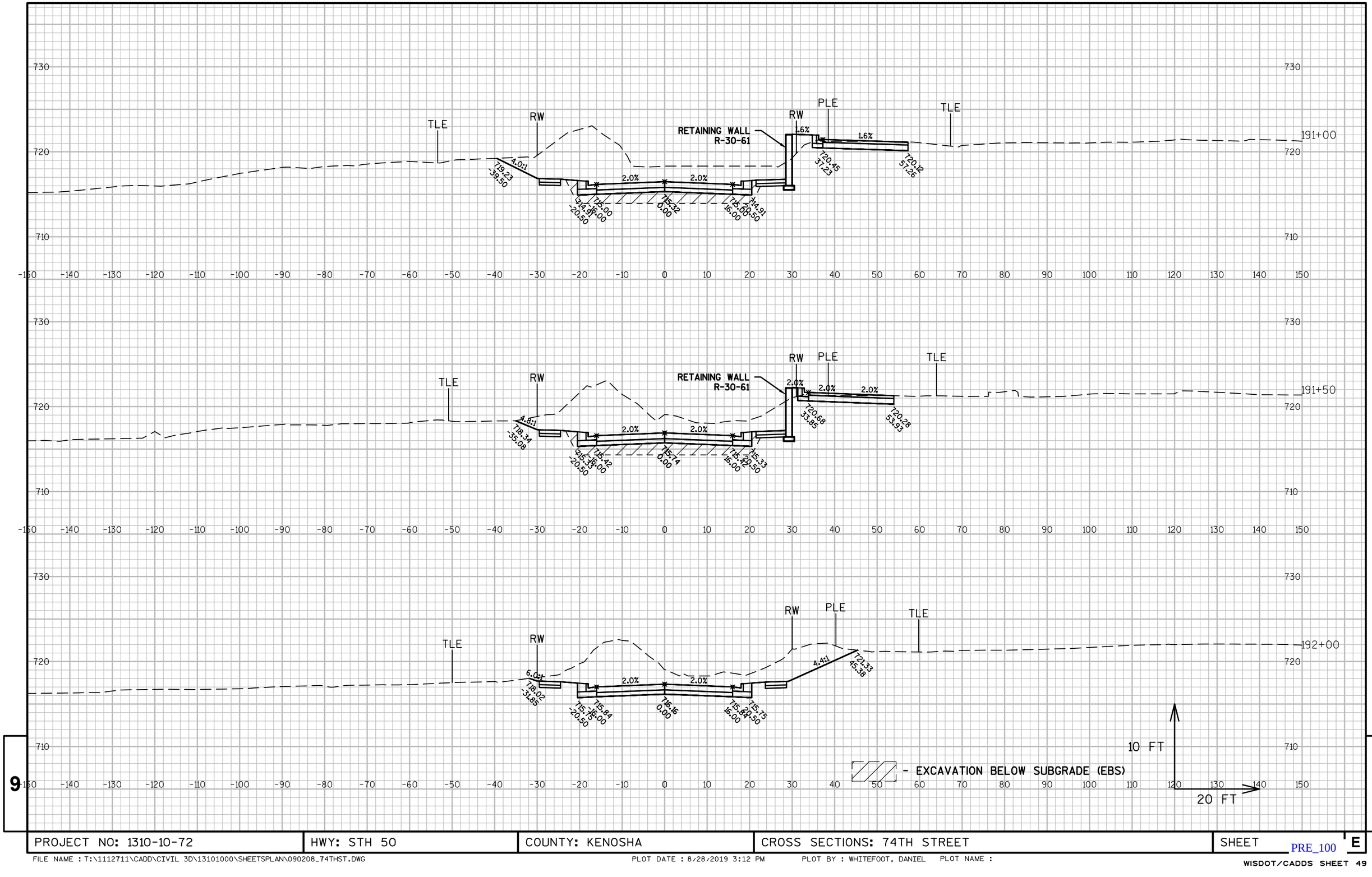


PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:12 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

PRE_99

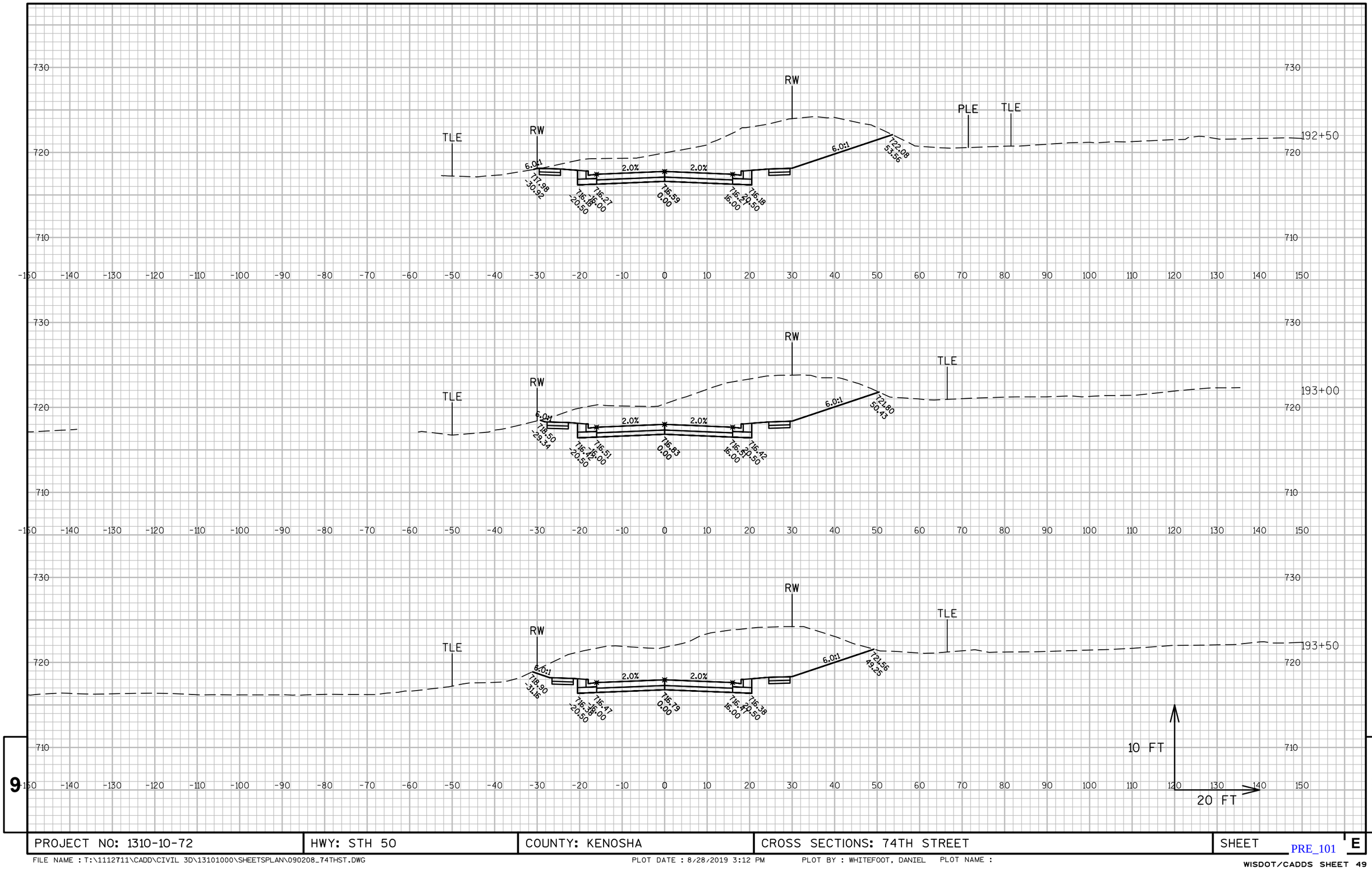
WISDOT/CADDS SHEET 49



PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:12 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

PRE_100

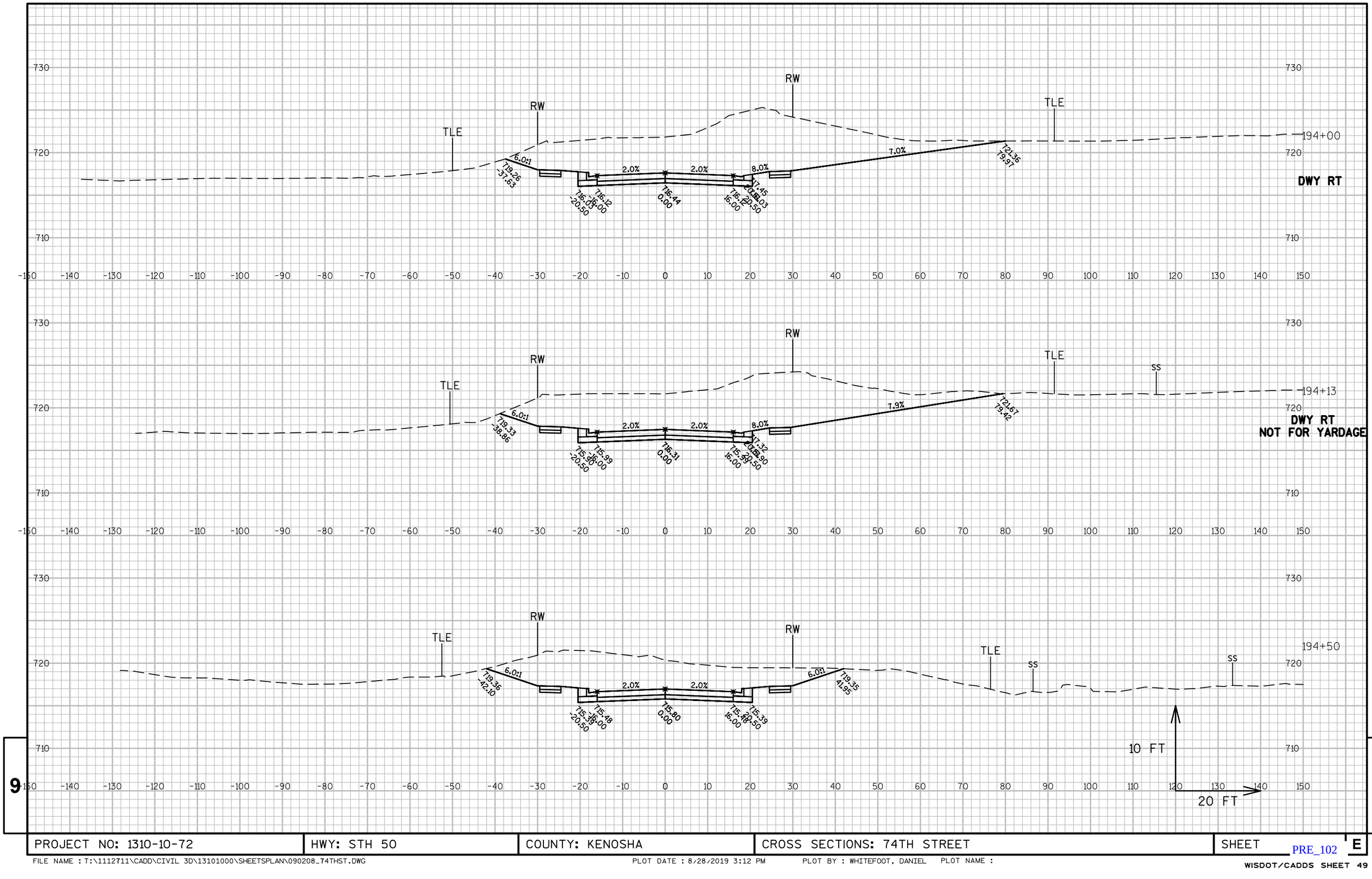


9

9

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

PRE_101

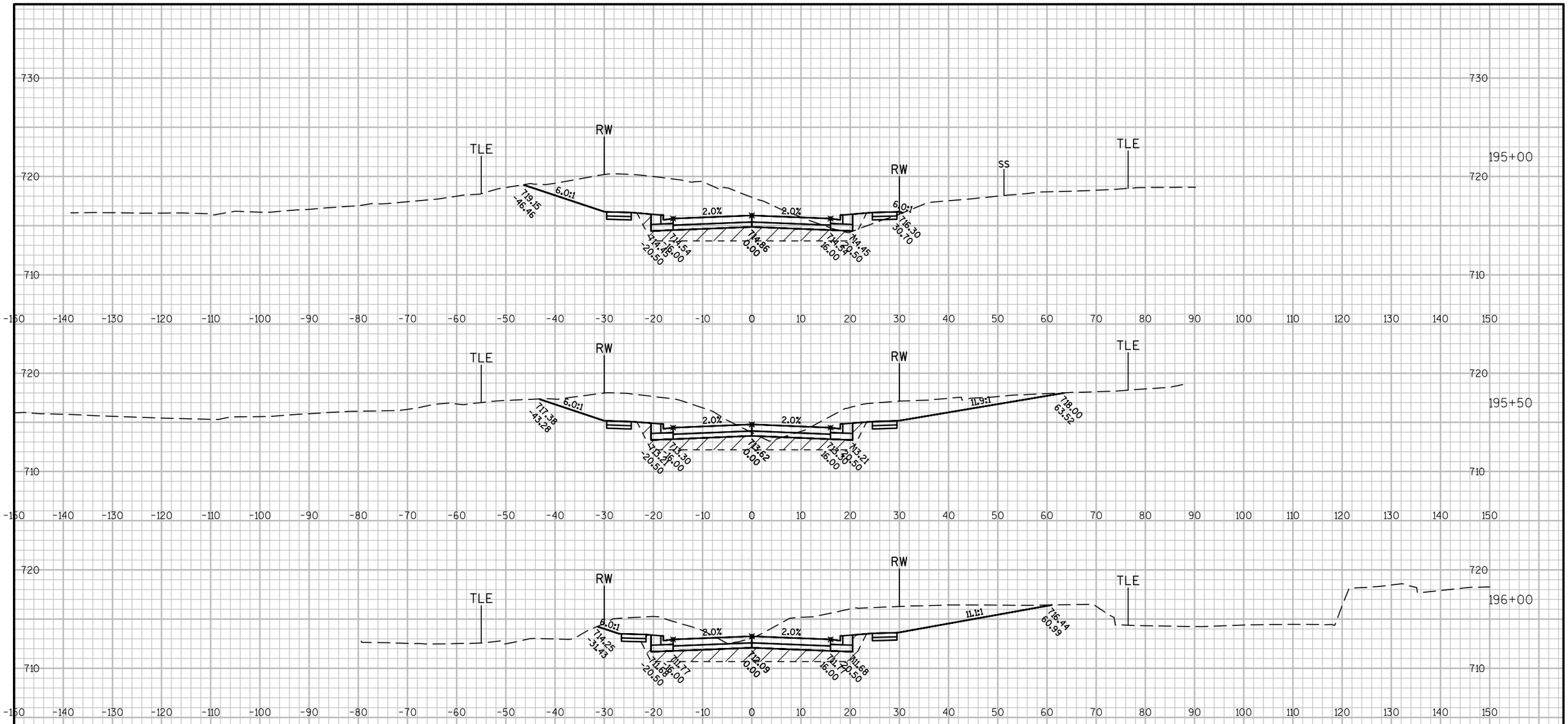


PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

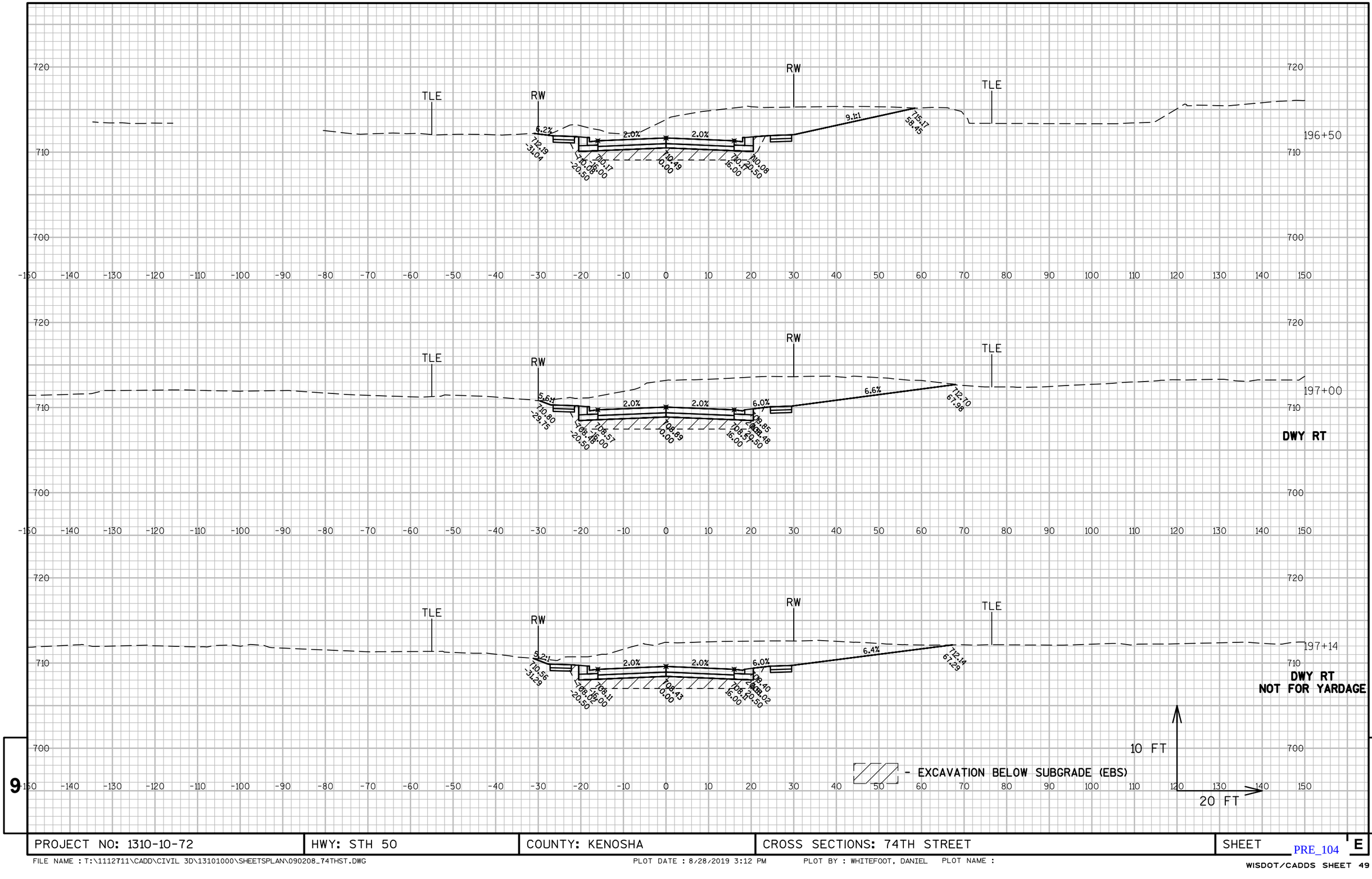
PRE_102

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:12 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

WISDOT/CADDS SHEET 49



PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

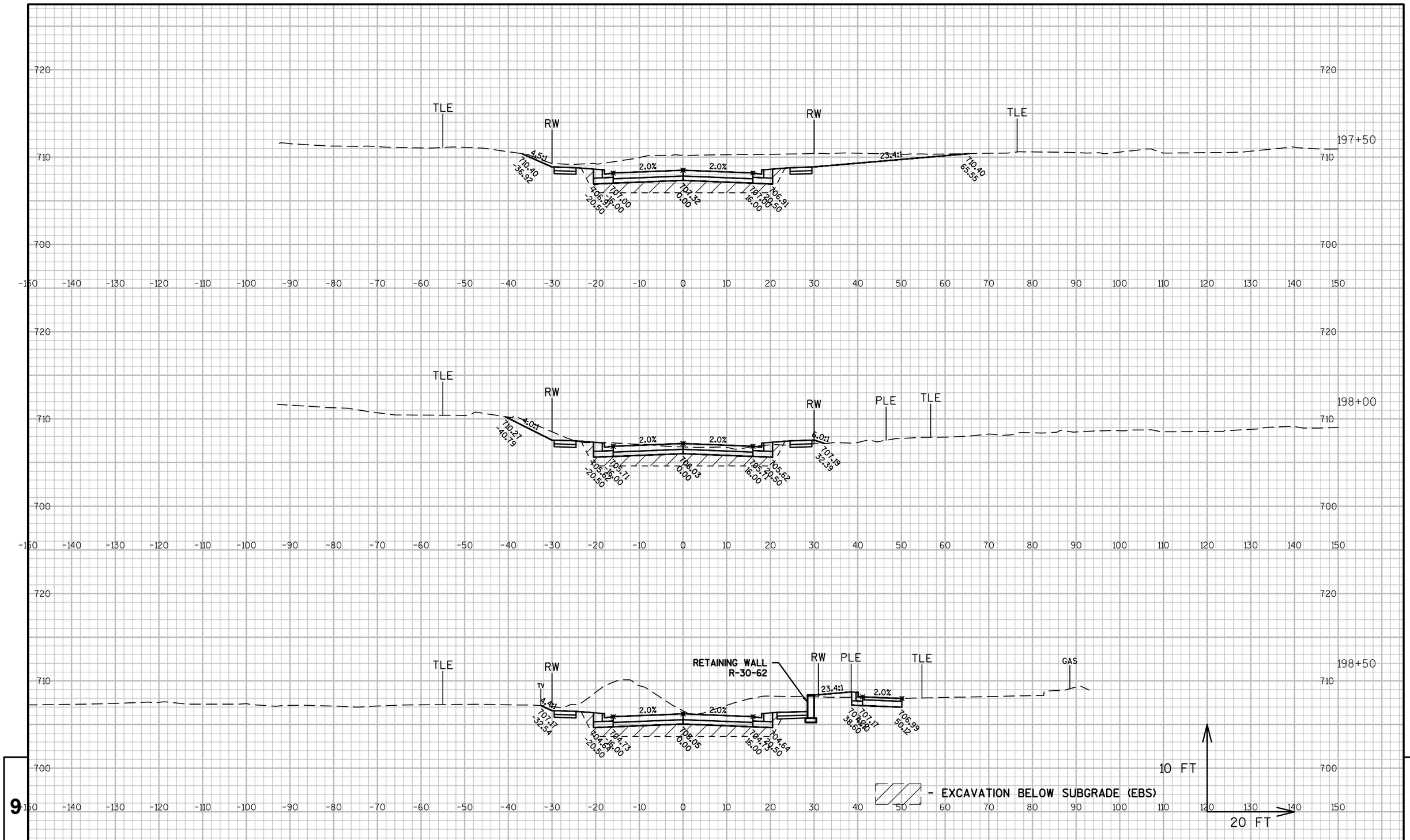


PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:12 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

PRE_104

WISDOT/CADDS SHEET 49



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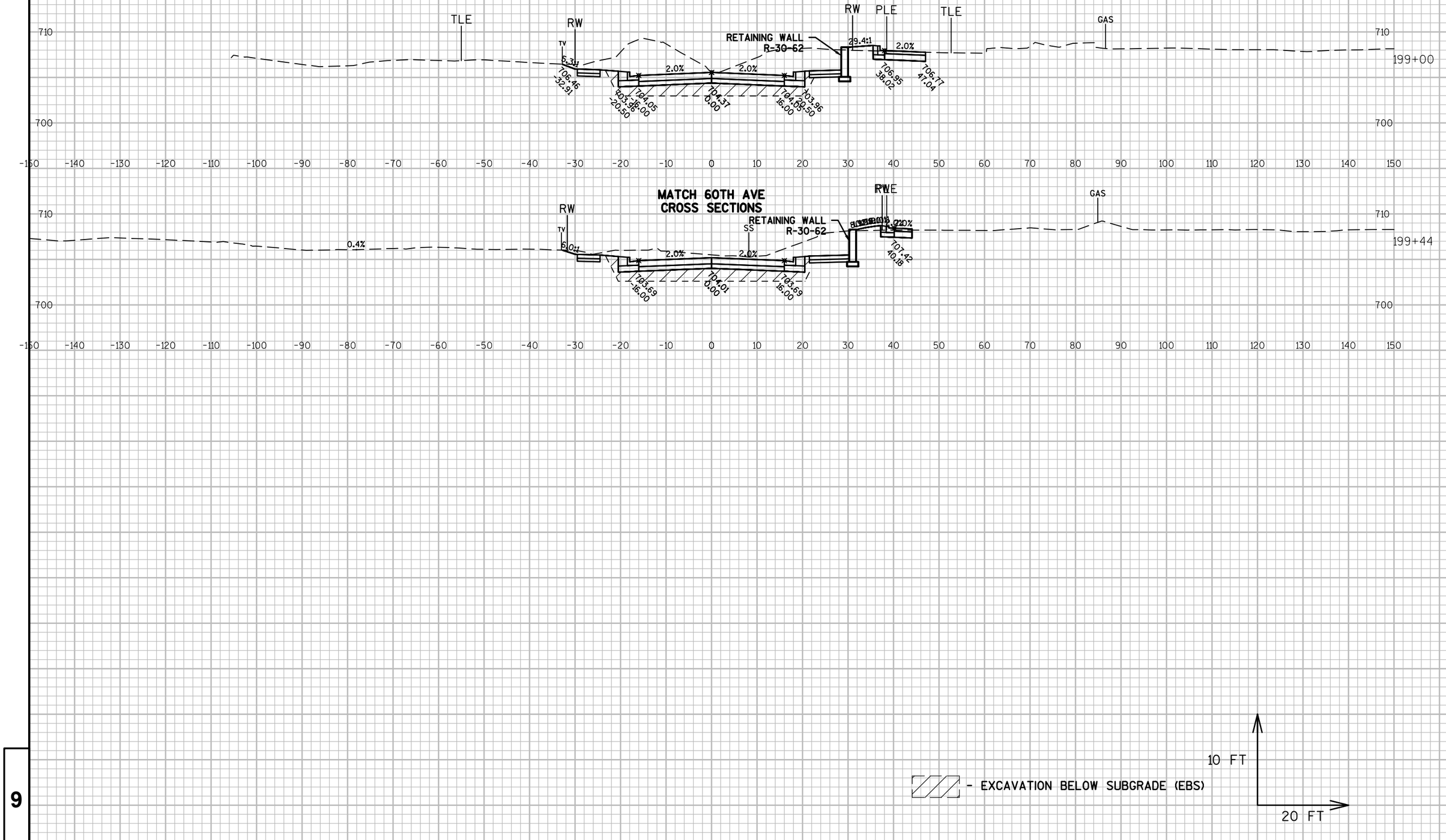
9

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E



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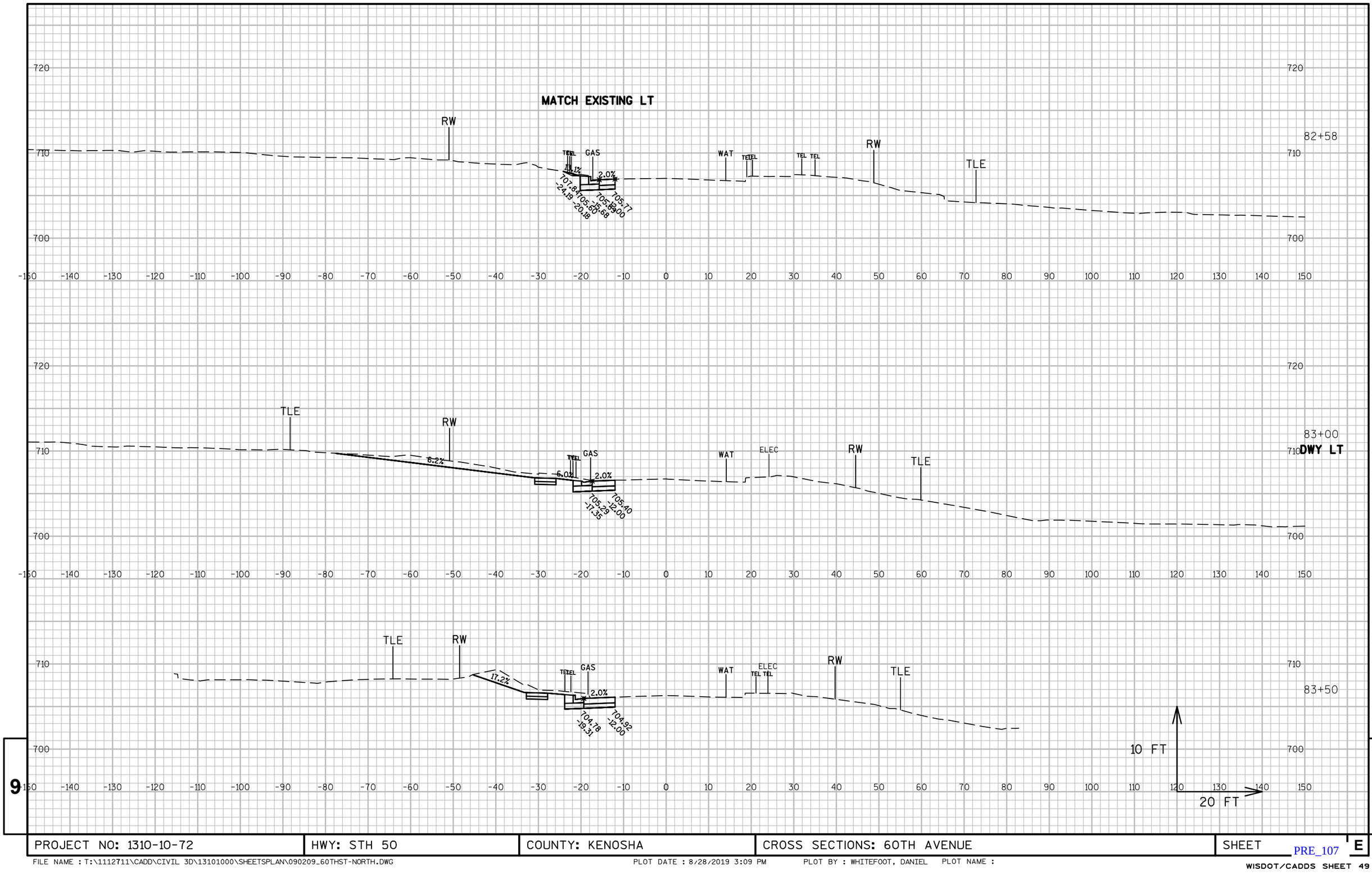
9

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 74TH STREET	SHEET E

PRE_106

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090208_74THST.DWG PLOT DATE : 8/28/2019 3:12 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :



9

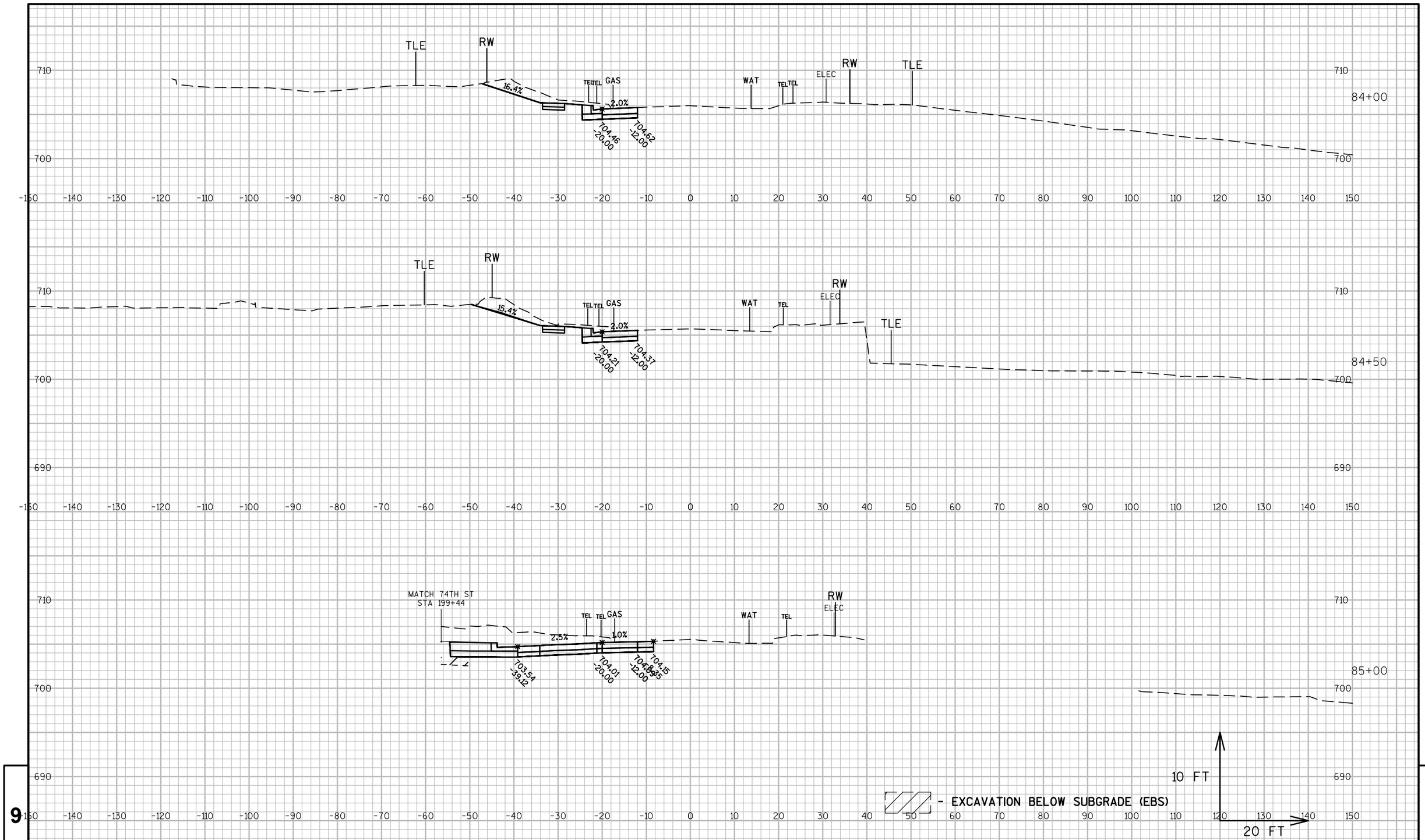
PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 60TH AVENUE	SHEET E

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090209_60THST-NORTH.DWG PLOT DATE : 8/28/2019 3:09 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

PRE_107

WISDOT/CADDS SHEET 49

9



9

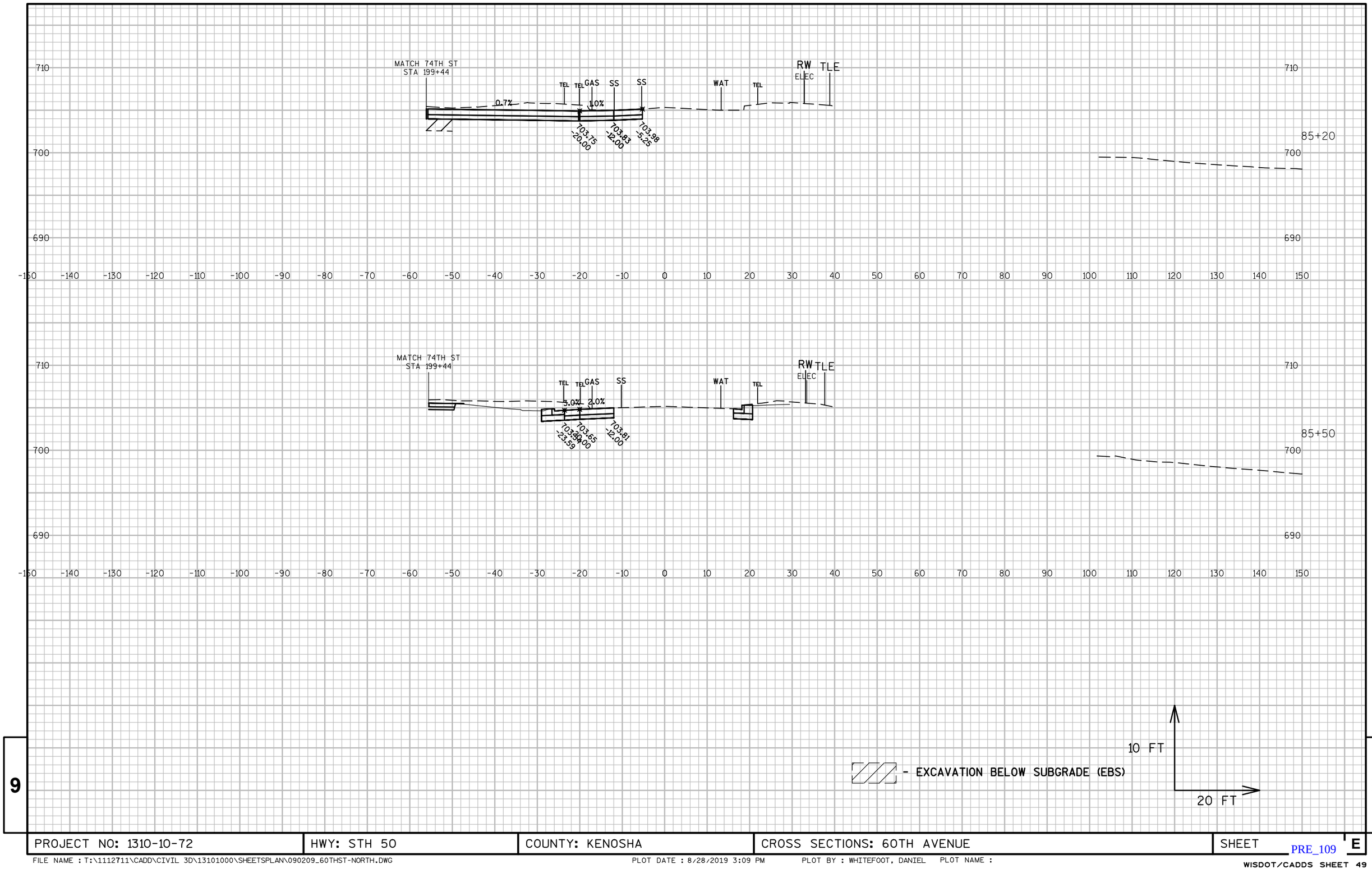
9

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 60TH AVENUE	SHEET E

PRE_108

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090209_60THST-NORTH.DWG PLOT DATE : 8/28/2019 3:09 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

WISDOT/CADDS SHEET 49



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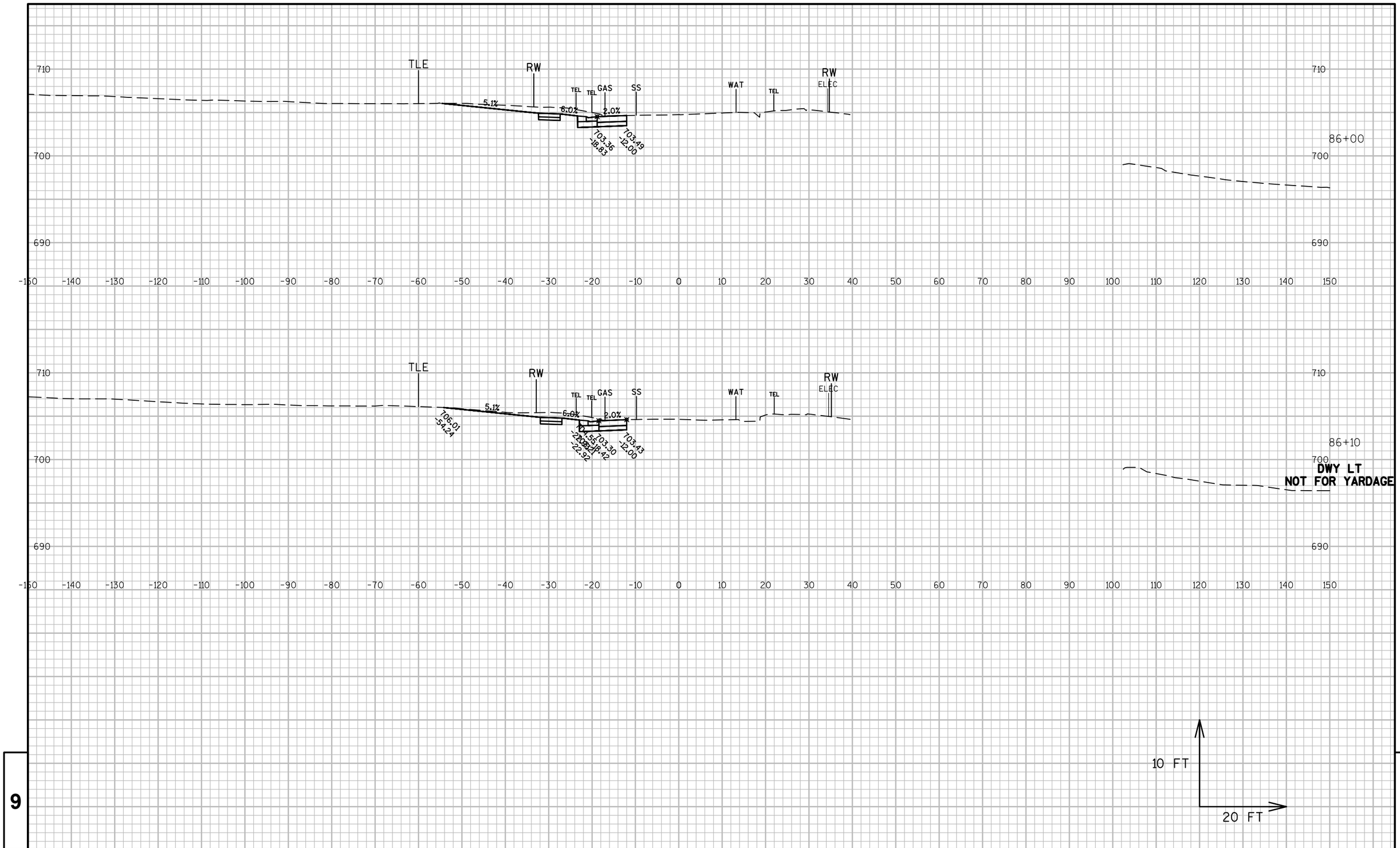
9

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 60TH AVENUE	SHEET E

PRE_109

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090209_60THST-NORTH.DWG PLOT DATE : 8/28/2019 3:09 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :



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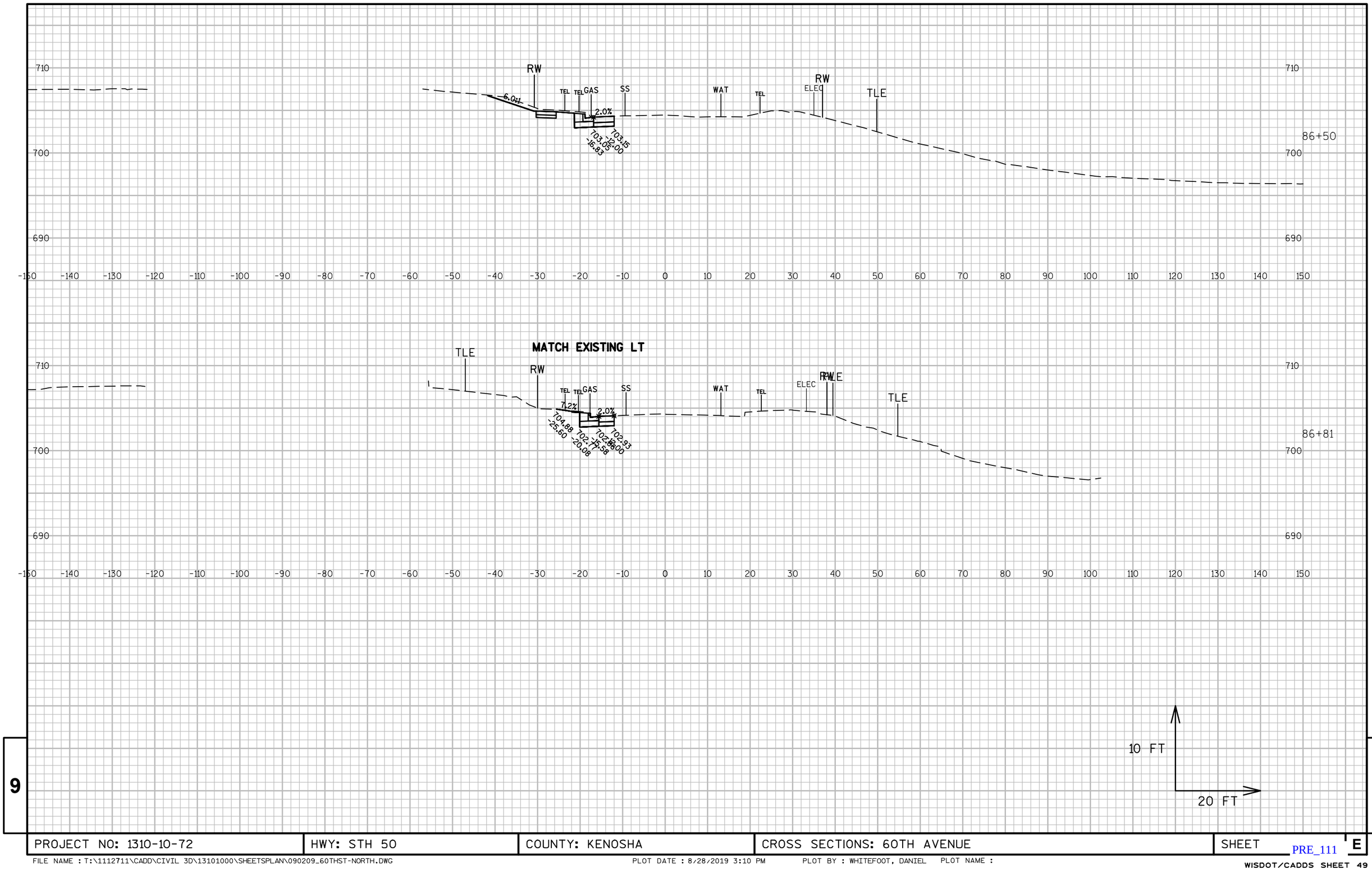
9

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 60TH AVENUE	SHEET E

PRE_110

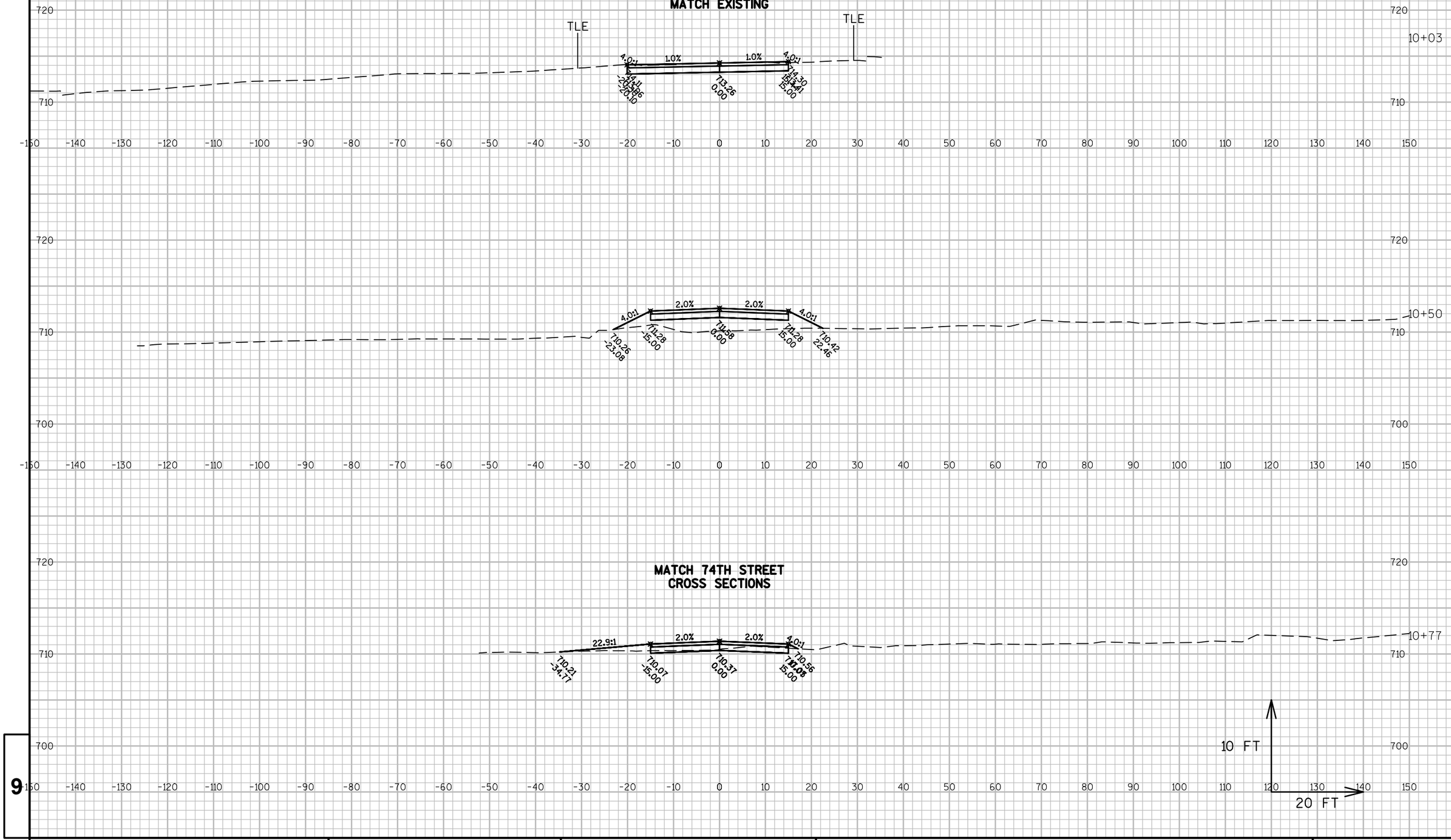


9

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: 60TH AVENUE	SHEET E

PRE_111

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090209_60THST-NORTH.DWG PLOT DATE : 8/28/2019 3:10 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :



9

9

PROJECT NO: 1310-10-72	HWY: STH 50	COUNTY: KENOSHA	CROSS SECTIONS: ALDI DRIVEWAY	SHEET E

PRE_112

FILE NAME : T:\1112711\CADD\CIVIL 3D\13101000\SHEETSPLAN\090210_ALDIDWY.DWG PLOT DATE : 8/28/2019 3:15 PM PLOT BY : WHITEFOOT, DANIEL PLOT NAME :

WISCONSIN DEPARTMENT OF TRANSPORTATION

EPlans Preliminary Sheet Numbering Tool

This sheet: ftp://ftp.dot.state.wi.us/transp/roads/eplans/prelim_sheet_numbers.pdf

Notes

- Acrobat 5 or higher is required to use this tool.
- The Bureau of Highway Construction places sheet numbers in the final plan.
- This sheet is for placing preliminary sheet numbers with a “PRE_" prefix.
- If a plan contains multiple projects, number each plan individually.
- Leave this sheet in the plan.

TO ADD PRELIMINARY SHEET NUMBERS

1. Insert this sheet at the end of the plan

a. With the plan open in Acrobat, select Document > Insert Pages.
b. In the Select File to Insert dialog box, select this file (prelim_sheet_numbers.pdf)
c. In the Insert dialog box, choose After for Location and Last page for Page.
d. Click OK.

2. Click the Place Preliminary Sheet Numbers button

a. Go to the last sheet of the plan.
b. Click the Place Preliminary Sheet Numbers button once.
(The preliminary sheet number appears in the bottom right corner of the sheets.
The number should match te page number in the Acrobat Status bar).

3. Re-Save the PDF

a. Select File > Save As and save the PDF.

Place Preliminary Sheet Numbers

TO REMOVE PRELIMINARY SHEET NUMBERS

Remove