

PROJECT ID:
WITH: 3330-07-70

COUNTY: KENOSHA

ORDER OF SHEETS

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

TOTAL SHEETS =



DESIGN DESIGNATION	STH 31
A.A.D.T. (2024)	= 35,200
A.A.D.T. (2044)	= 37,400
D.H.V.	= -
D.D.	= 59/41
T.	= 7.5%
DESIGN SPEED (MPH)	= 50
ESALS	= -

CONVENTIONAL SYMBOLS

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

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

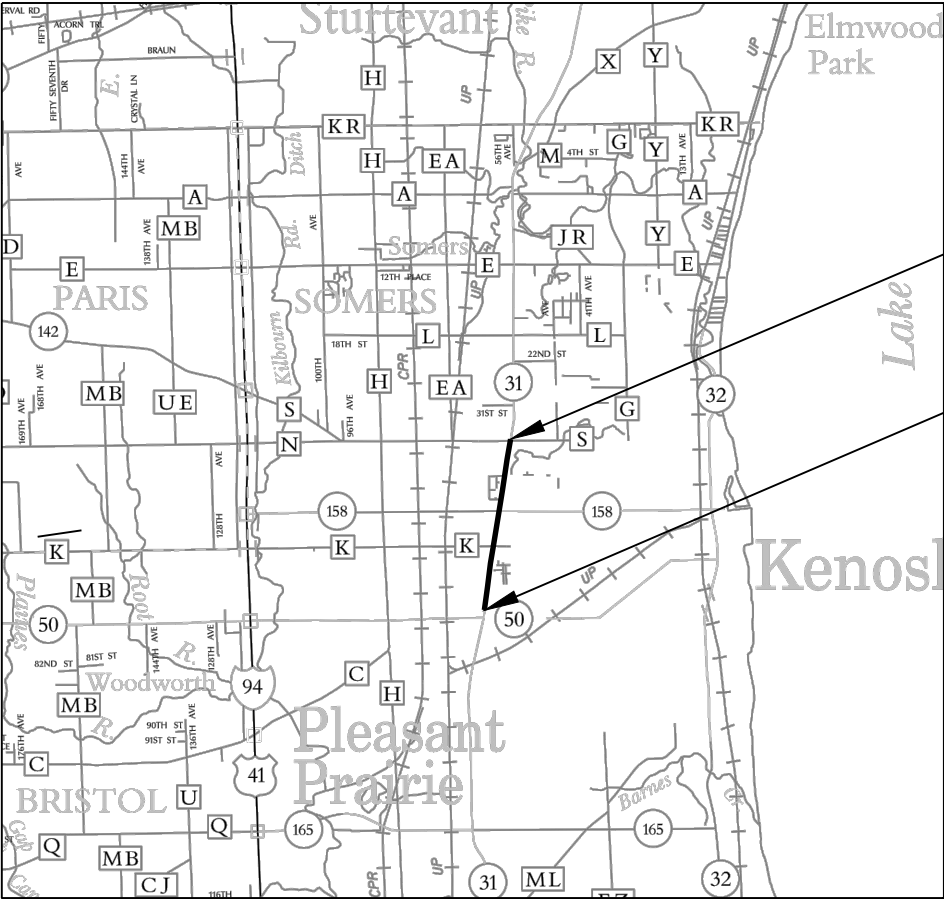
GREEN BAY ROAD - CITY OF KENOSHA

STH 50 TO CTH S

STH 31

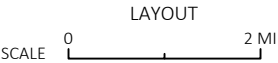
KENOSHA COUNTY

STATE PROJECT NUMBER
3330-07-70



END PROJECT
STA 437+00
X = 614256.9710
Y = 141087.5958

BEGIN PROJECT
STA 312+88
X = 612084.3896
Y = 128869.2571



TOTAL NET LENGTH OF CENTERLINE = 2.351 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), KENOSHA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT

FEDERAL PROJECT

PROJECT

CONTRACT

3330-07-70

60% PLAN
12/2/20

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	STEVEN ROTIER
Designer	DOUG CAIN
Project Manager	RICH HERRICK
Regional Examiner	BEN ERUCHALU
Regional Supervisor	

APPROVED FOR THE DEPARTMENT
DATE: _____ (Signature)

E

2

GENERAL NOTES

RE-TOPSOIL OF GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SOD AND FERTILIZE TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN (14) CALENDAR DAYS, SEED THOSE AREAS WITH TEMPORARY SEED.

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, SEED THE STOCKPILE WITH TEMPORARY SEED.

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.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE OF CURB AND GUTTER OR THEORETICAL FLANGE POINT OF INTEGRAL CURB AND GUTTER.

FOR INLET AND CATCH BASIN STRUCTURES LOCATED IN THE CURB OR IN FRONT OF BARRIER, STATION, OFFSET, AND ELEVATIONS ARE GIVEN TO THE FLOW LINE. MH STATION, OFFSET, AND ELEVATIONS ARE GIVEN TO THE CENTER OF STRUCTURE. SEE CONSTRUCTION DETAILS.

CONTACT THE PROJECT ENGINEER, THE COUNTY SURVEYOR, AND SEWRPC AT LEAST TWO WEEKS BEFORE WORKING NEAR ANY SECTION CORNER MONUMENT.

VERIFY EXISTING PAVEMENT ELEVATIONS AT ALL TIE-INS TO EXISTING PAVEMENT PRIOR TO CONSTRUCTION. NOTIFY ENGINEER IF A DISCREPANCY IS FOUND BETWEEN PROPOSED PLAN ELEVATIONS AND EXISTING PAVEMENT ELEVATIONS.

CONSTRUCT PAVEMENT CONSISTENT WITH THE PLAN TYPICAL SECTIONS. LOCATE LONGITUDINAL JOINTS IN ASPHALT PAVEMENT OUTSIDE OF DRIVING, TURNING, BIKE, OR PARKING LANE UNLESS DIRECTED OTHERWISE BY THE ENG PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE, OR PARKING LANE. THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING, TURNING, BIKE OR PARKING LANE.

SAWCUT EXISTING ASPHALT AND CONCRETE PAVEMENT AT THE MATCHLINE AS INDICATED ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

RESHAPE, RESTORE AND FINISH ALL PREVIOUSLY GRASSED AREAS DISTURBED BY OPERATIONS OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT NO EXPENSE TO THE DEPARTMENT

PLACE TOPSOIL 1 INCH BELOW THE TOP OF ADJACENT CONCRETE CURBS OR SIDEWALKS IN SOD AREAS.

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE SALVAGE TOPSOILED, FERTILIZED, AND SODDED AS DIRECTED BY THE ENGINEER.

BACKFILL ALL OPENINGS AND HOLES LOCATED WITHIN THE ROADWAY RESULTING FROM REMOVALS OR ABANDONMENTS WITH GRANULAR BACKFILL UNLESS THE PLANS PROVIDE FOR ALTERNATE BACKFILL.

DO NOT REMOVE ANY TREES OR SHRUBS WITHOUT APPROVAL OF THE ENGINEER.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

EXISTING DRIVEWAYS AND FIELD ENTRANCES SHALL BE RESTORED IN KIND AS DIRECTED BY THE ENGINEER IN THE FIELD AND AT THE LOCATION DETERMINED BY THE ENGINEER.

THE EXACT LOCATION OF PRIVATE ENTRANCES IS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 6-INCH TYPICAL DEPTH.

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

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

UTILITY CONTACTS

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PROJECT DESIGN CONTACTS

STANDARD ABBREVIATIONS

AP	ACCESS POINT	NOM	NOMINAL	CFS	CUBIC FEET PER SECOND	PGL	PROFILE GRADE LINE	FE	FIELD ENTRANCE	STA	STATION
AC	ACRE	NC	NORMAL CROWN	CY	CUBIC YARD	PL	PROPERTY LINE	FL	FLOW LINE	SS	STORM SEWER
ADJ	ADJUST	N	NORTH	CP	CULVERT PIPE	Q100	100-YEAR FLOW RATE	FT	FOOT	SSPRC	STORM SEWER PIPE
AECPRC	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE	Y	NORTH GRID COORDINATE	CPCS	CULVERT PIPE CORRUGATED STEEL	R	RADIUS	GN	GRID NORTH	ST	STREET
AH	AHEAD	NB	NORTHBOUND	CPRC	CULVERT PIPE REINFORCED CONCRETE	RR	RAILROAD	HES	HIGH EARLY STRENGTH	STR	STRUCTURE OR STRUCTURAL
AC	ASPHALT CEMENT	OD	OUTSIDE DIAMETER	CPRCHE	CULVERT PIPE REINFORCED CONCRETE	R	RANGE	HP	HIGH POINT	SE	SUPERELEVATION
ASPH	ASPHALTIC	PAVT	PAVEMENT	C & G	CURB AND GUTTER	R/L	REFERENCE LINE	HW	HIGH WATER	T	TANGENT
ACP	ASPHALTIC CONCRETE PAVEMENT	PLE	PERMANENT LIMITED EASEMENT	D	DEGREE OF CURVE	REINF	REINFORCING OR REINFORCEMENT	HMA	HOT MIX ASPHALT	TEMP	TEMPORARY
AVG	AVERAGE	PACS	PIPE ARCH CORRUGATED STEEL	DHV	DESIGN HOUR VOLUME	REQD	REQUIRED	CWT	HUNDREDWEIGHT	TI	TEMPORARY INTEREST
ADT	AVERAGE DAILY TRAFFIC	P	POINT	DIA	DIAMETER	RD	ROAD	HWD	HYDRANT	TLE	TEMPORARY LIMITED EASEMENT
BK	BACK	PC	POINT OF CURVATURE	DD	DIRECTIONAL DISTRIBUTION	RDWY	ROADWAY	INL	INLET	t	TON
BAD	BASE AGGREGATE DENSE	PI	POINT OF INTERSECTION	DWY	DRIVEWAY	E	EAST	ID	INSIDE DIAMETER	T	TOWN
BM	BENCHMARK	PT	POINT OF TANGENCY	X	EAST GRID COORDINATE	SHLDR	SHOULDER	I	INTERSECTION ANGLE	T/L	TRANSIT LINE
CB	CATCH BASIN	PVC	POINT OF VERTICAL CURVE	EB	EASTBOUND	S	SOUTH	INV	INVERT	T	TRUCKS (PERCENT OF)
C/L	CENTER LINE	PVT	POINT OF VERTICAL INTERSECTION	EL	ELEVATION	SB	SOUTHBOUND	IP	IRON PIPE OR PIN	TYP	TYPICAL
C/L CONST	CENTER LINE CONSTRUCTION	PVC	POLYVINYL CHLORIDE	ESALS	EQUIVALENT SINGLE AXLE LOADS	SQ	SQUARE	JT	JOINT	USH	UNITED STATES HIGHWAY
Δ	CENTRAL ANGLE OR DELTA	PCC	PORTLAND CEMENT CONCRETE	EXC	EXCAVATION	SF	SQUARE FEET	LC	LENGTH OF CURVE	VAR	VARIABLE
CL	CLASS	LB	POUND	EBS	EXCAVATION BELOW SUBGRADE	SW	SIDEWALK	LF	LINEAR FOOT	V	VELOCITY OF DESIGN SPEED
CONC	CONCRETE	PSF	POUNDS PER SQUARE FOOT	EXIST	EXISTING	SY	SQUARE YARD	LP	LOW POINT	VERT	VERTICAL
CONST	CONSTRUCTION	PSI	POUNDS PER SQUARE INCH	FPS	FEET PER SECOND	SDD	STANDARD DETAIL DRAWINGS	LS	LUMP SUM	VC	VERTICAL CURVE
CMCP	CORRUGATED METAL CULVERT PIPE	PE	PRIVATE ENTRANCE	FERT	FERTILIZE	STH	STATE TRUNK HIGHWAYS	MH	MANHOLE	VOL	VOLUME
CTH	COUNTY TRUNK HIGHWAY							MAX	MAXIMUM	WM	WATERMAIN
CABC	CRUSHED AGGREGATE BASE COURSE							MGAL	MEGAGALLON	WV	WATER VALVE
								MPH	MILES PER HOUR	W	WEST
								MIN	MINIMUM	WB	WESTBOUND
								MON	MONUMENT	YD	YARD

PROJECT NO: 3330-07-70

HWY: STH 31

COUNTY: KENOSHA

GENERAL NOTES, UTILITY CONTACTS

SHEET

E

FILE NAME : N:\PDS\C3D\33300700\SHEETSP\PLAN\020101-GN.DWG

LAYOUT NAME - 020101_GN

PLOT DATE : 11/5/2020 12:59 PM

PLOT BY : ROTIER, STEVEN J

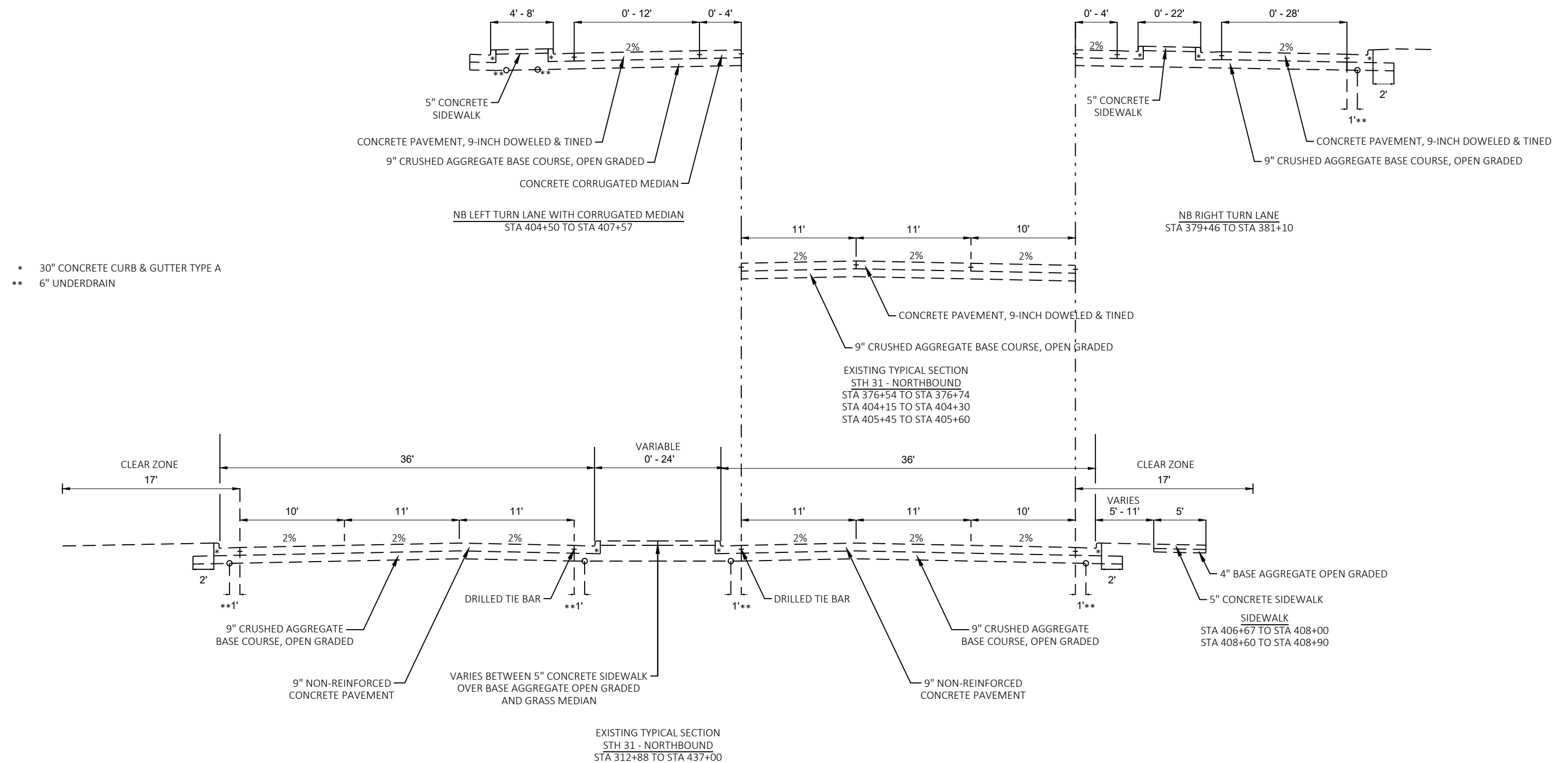
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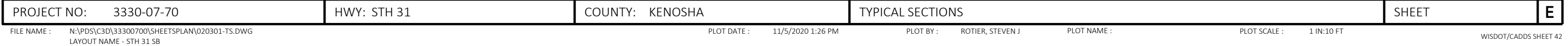
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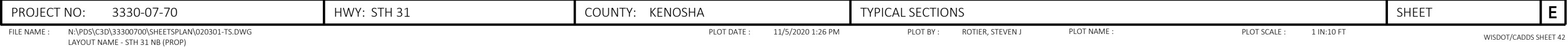
WISDOT/CADDs SHEET 42

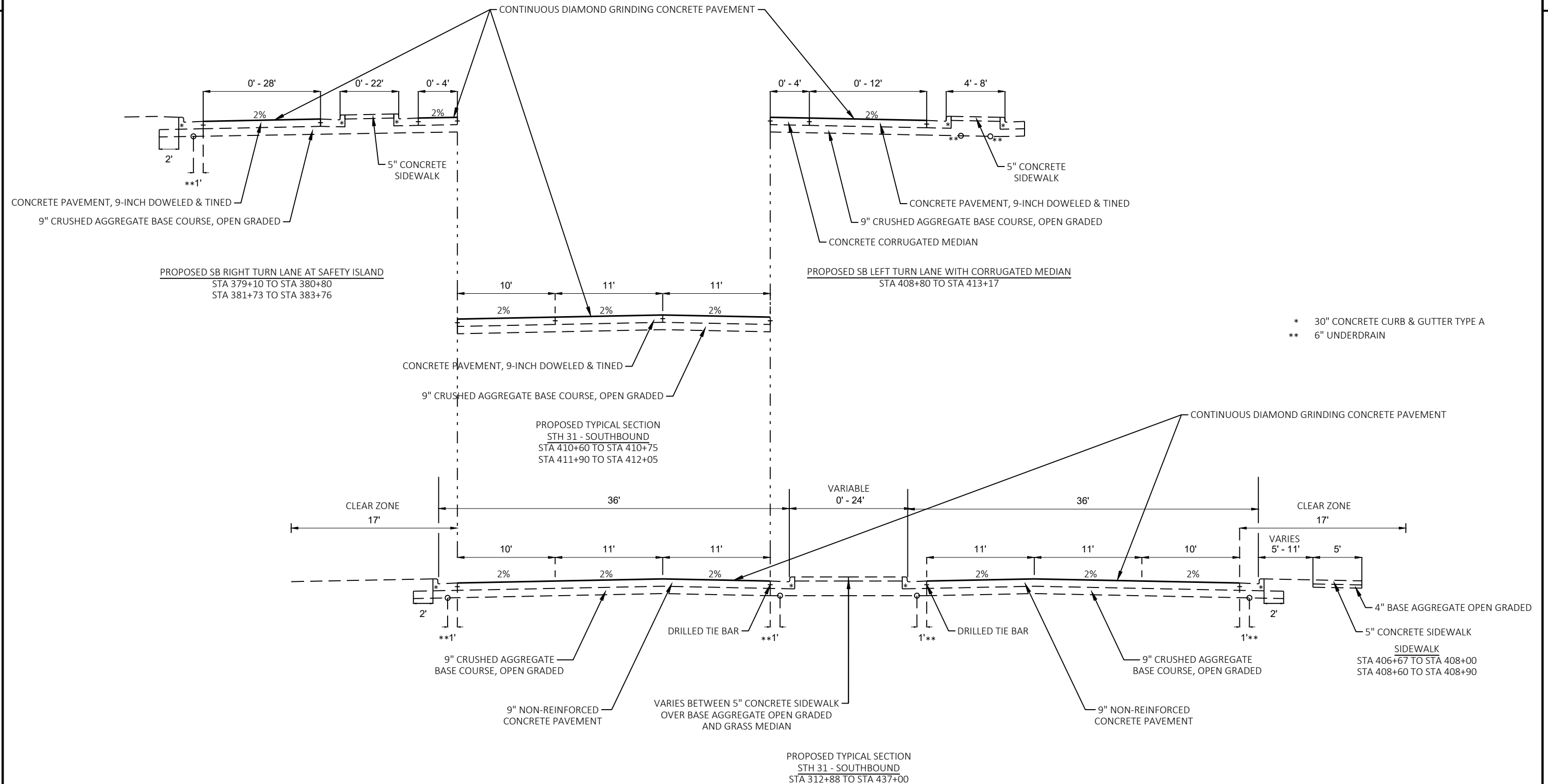


PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	PROJECT OVERVIEW	SHEET	E
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PROJECT NO: 3330-07-70

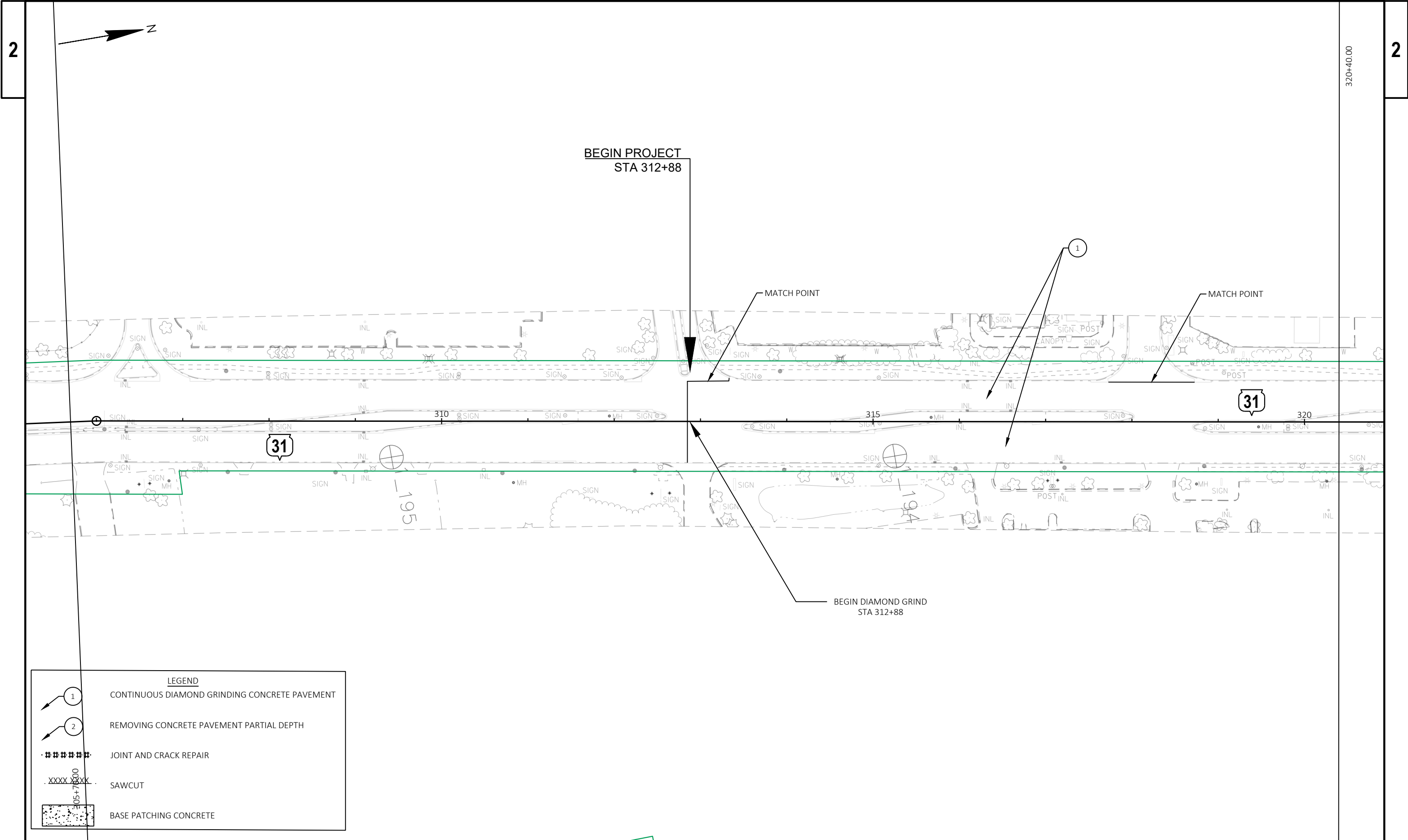
HWY: STH 31

COUNTY: KENOSHA

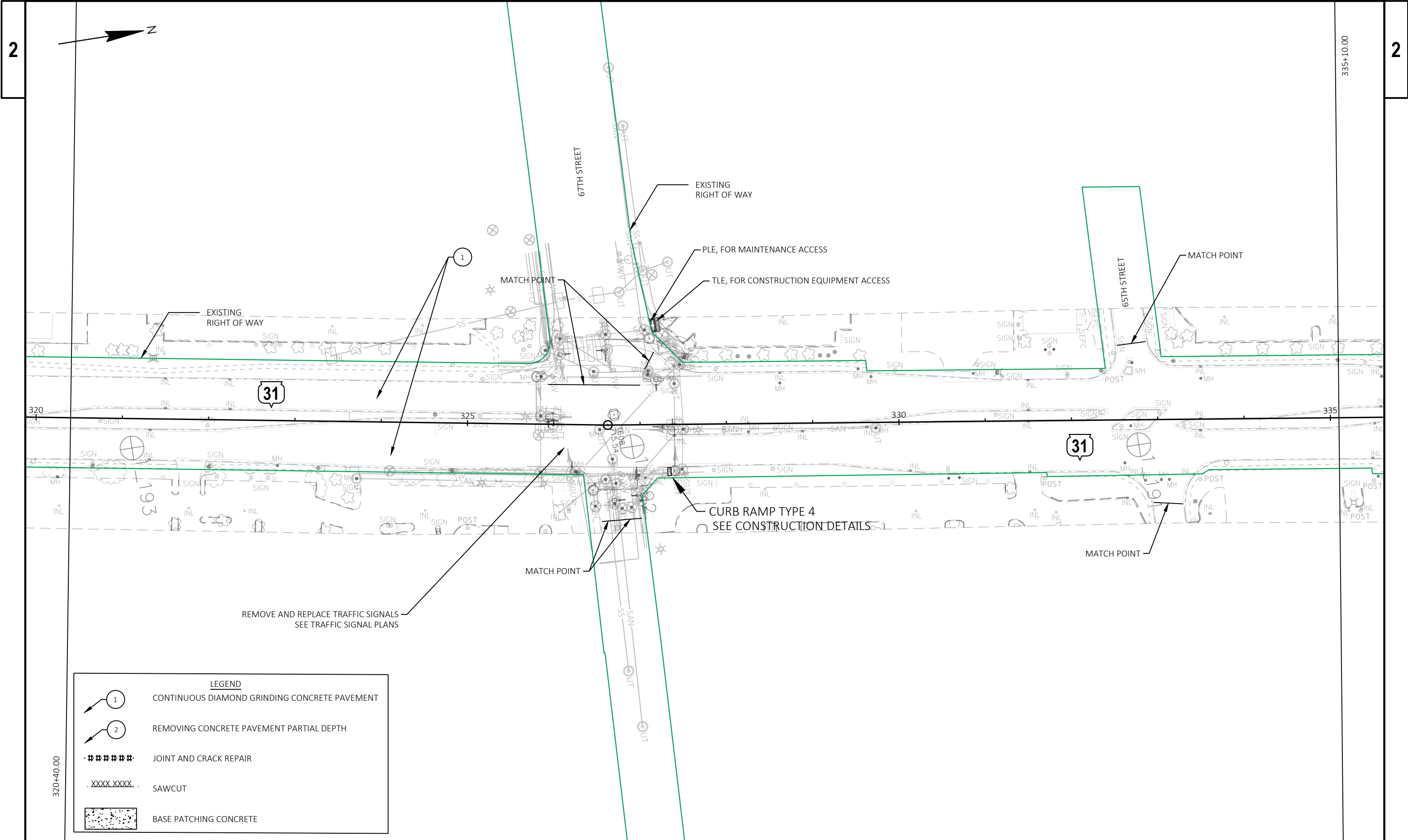
TYPICAL SECTIONS

SHEET

E



PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	PLAN DETAILS	SHEET	E
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LEGEND

1

CONTINUOUS DIAMOND GRINDING CONCRETE PAVEMENT

2

REMOVING CONCRETE PAVEMENT PARTIAL DEPTH

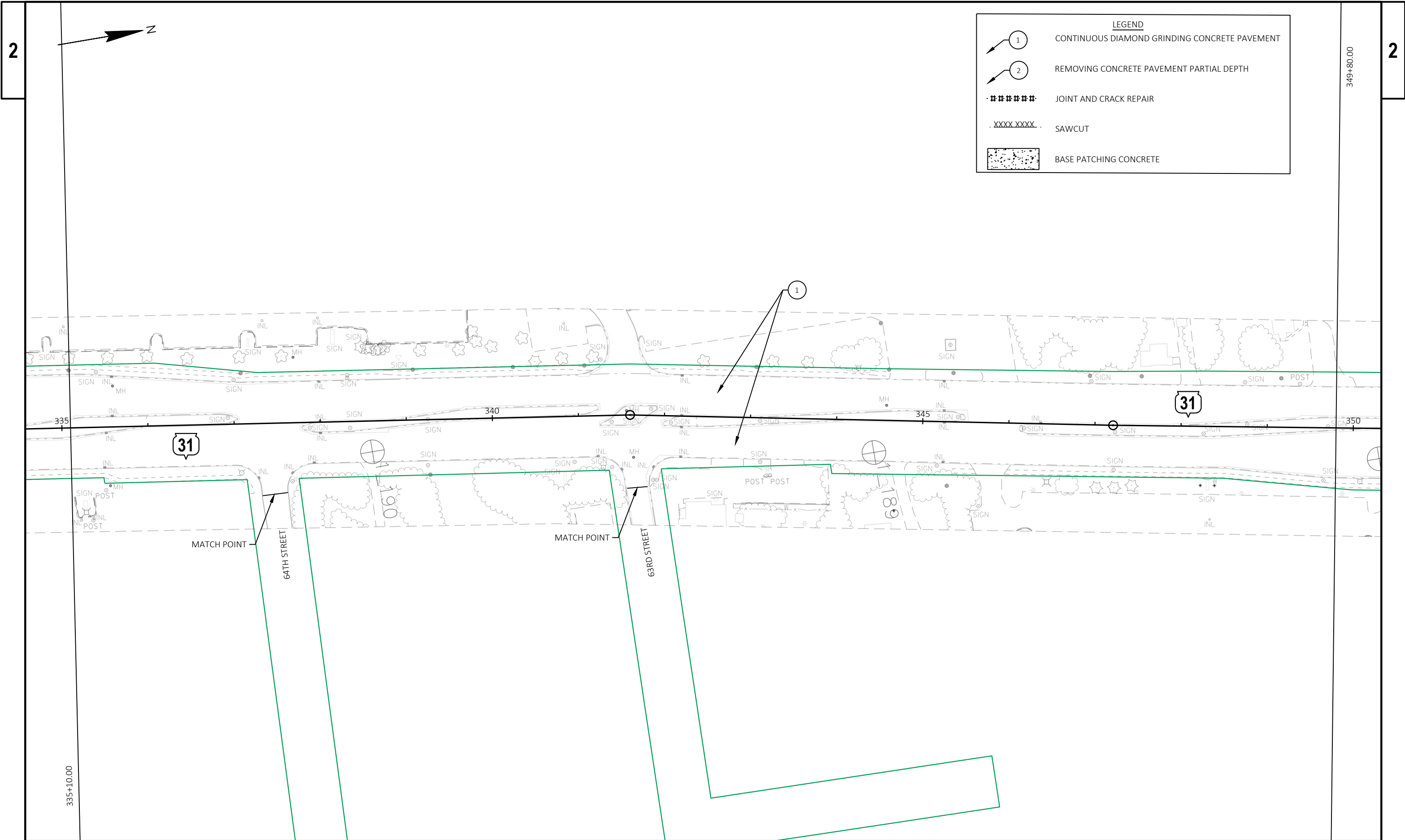
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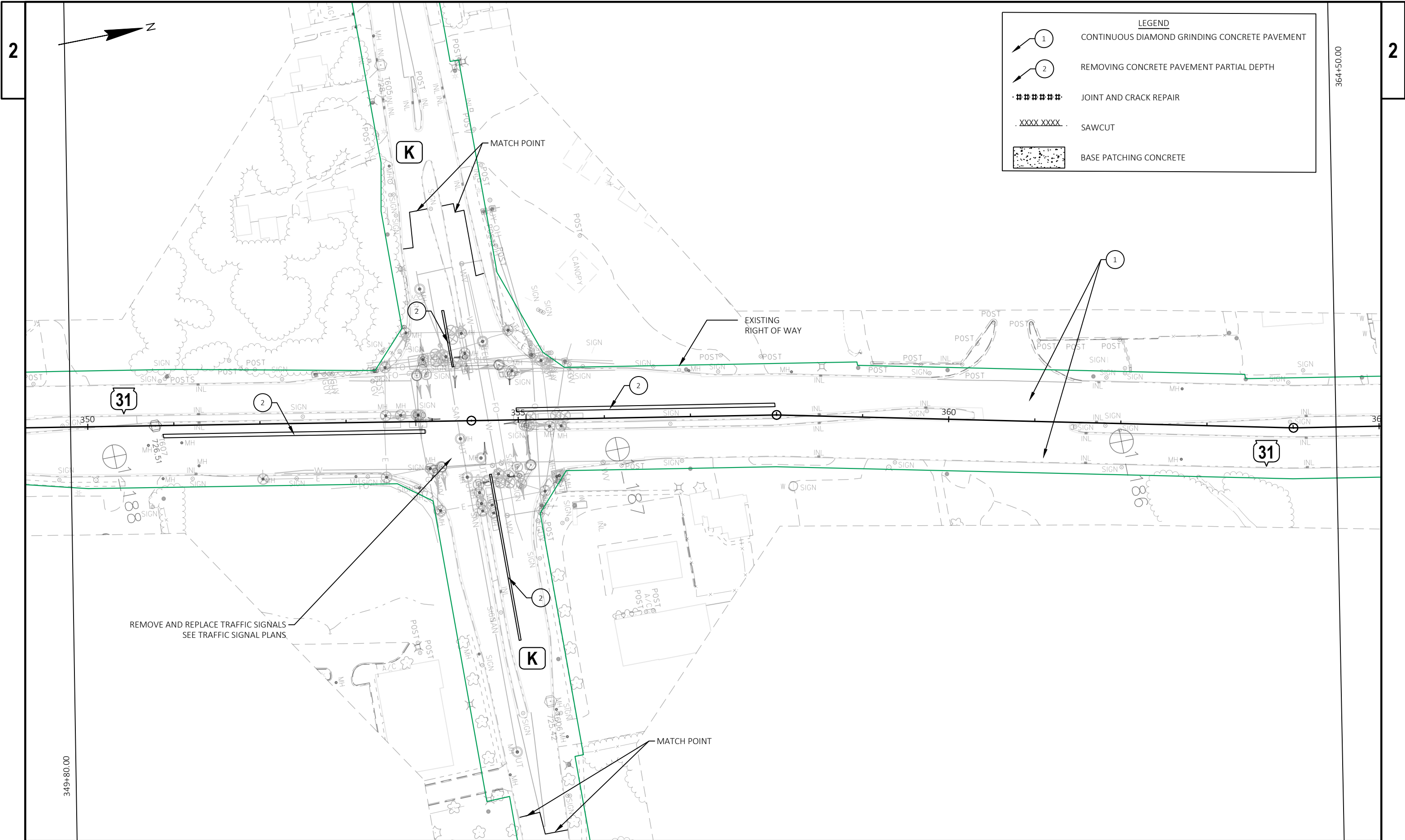
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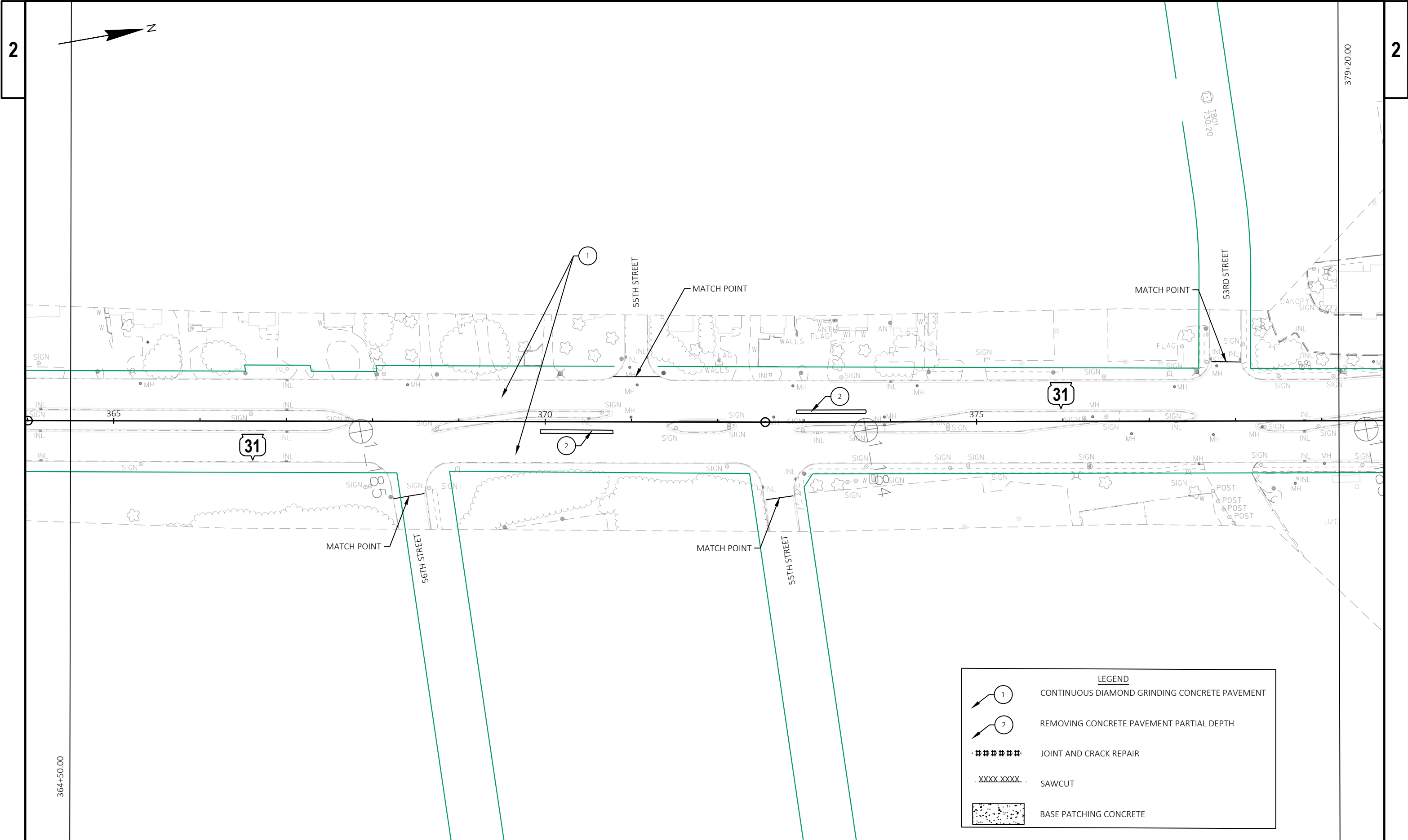
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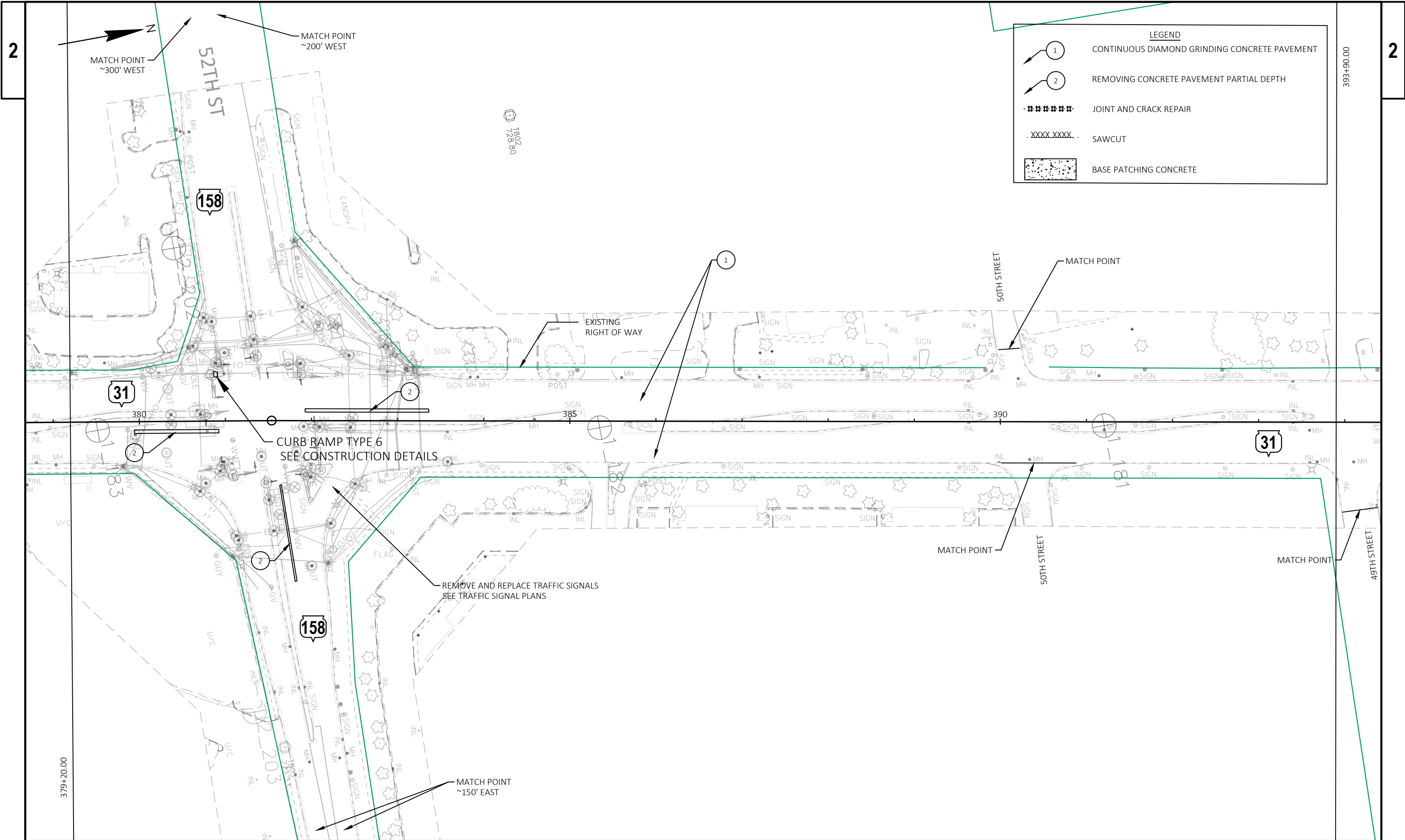
SAWCUT

BASE PATCHING CONCRETE

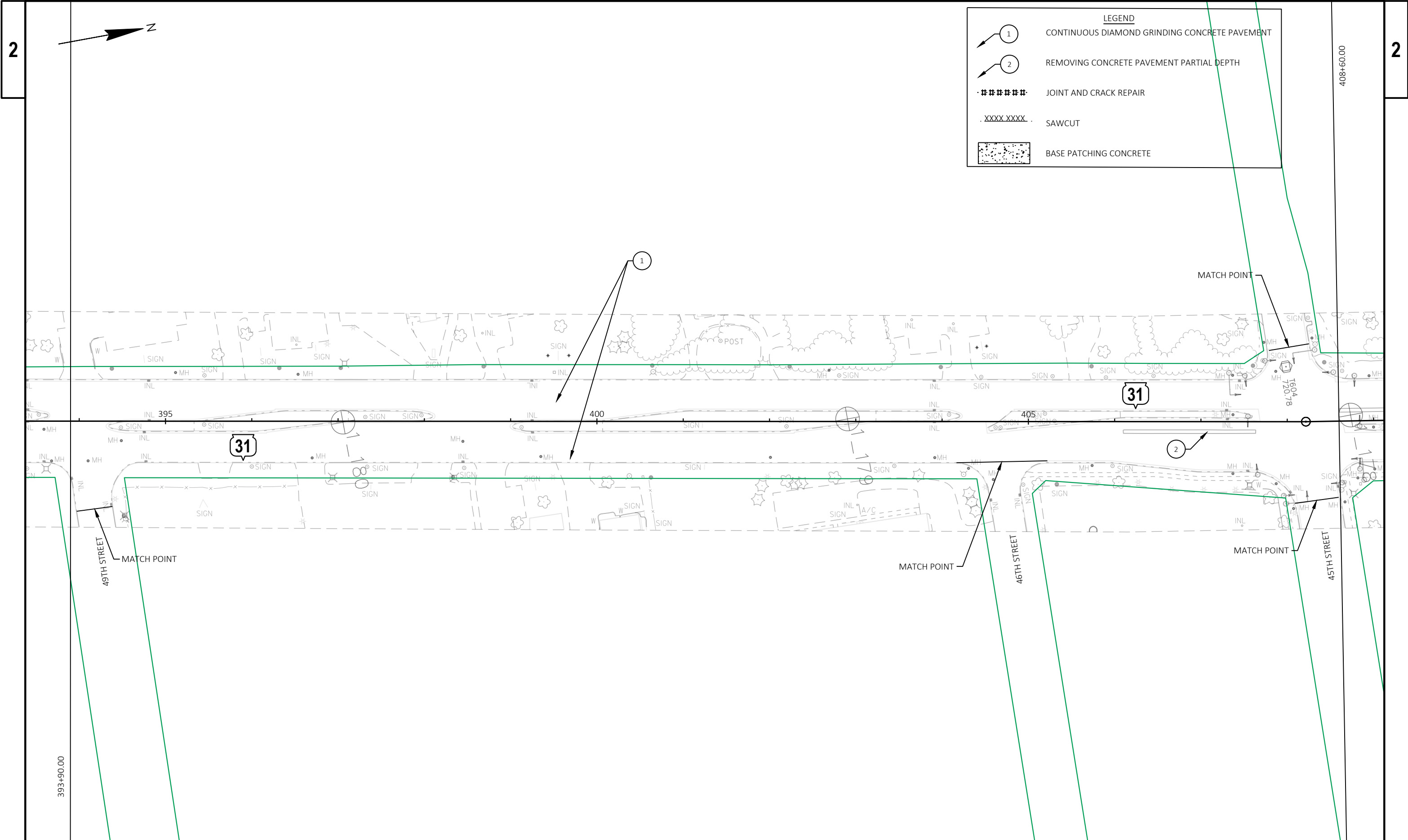




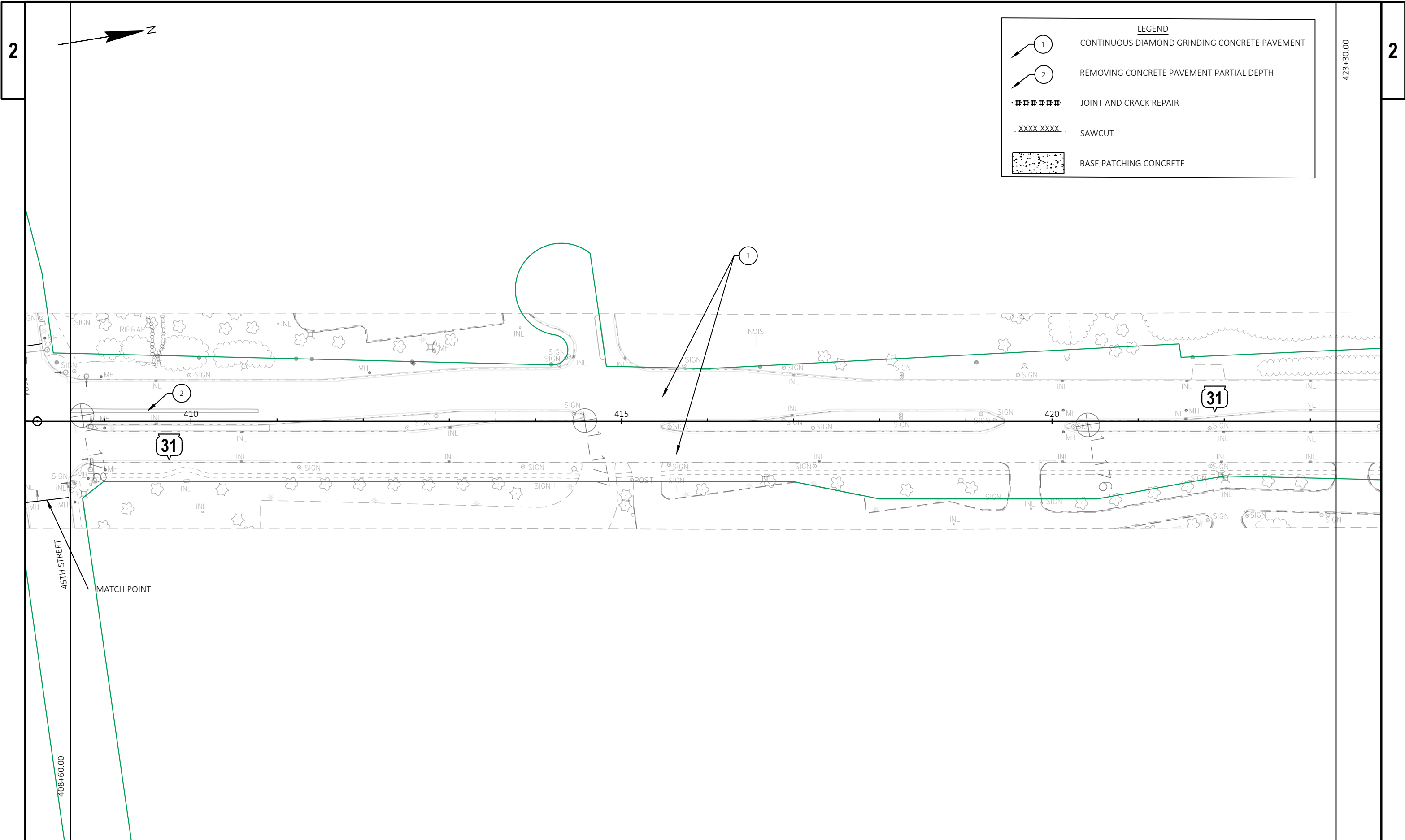




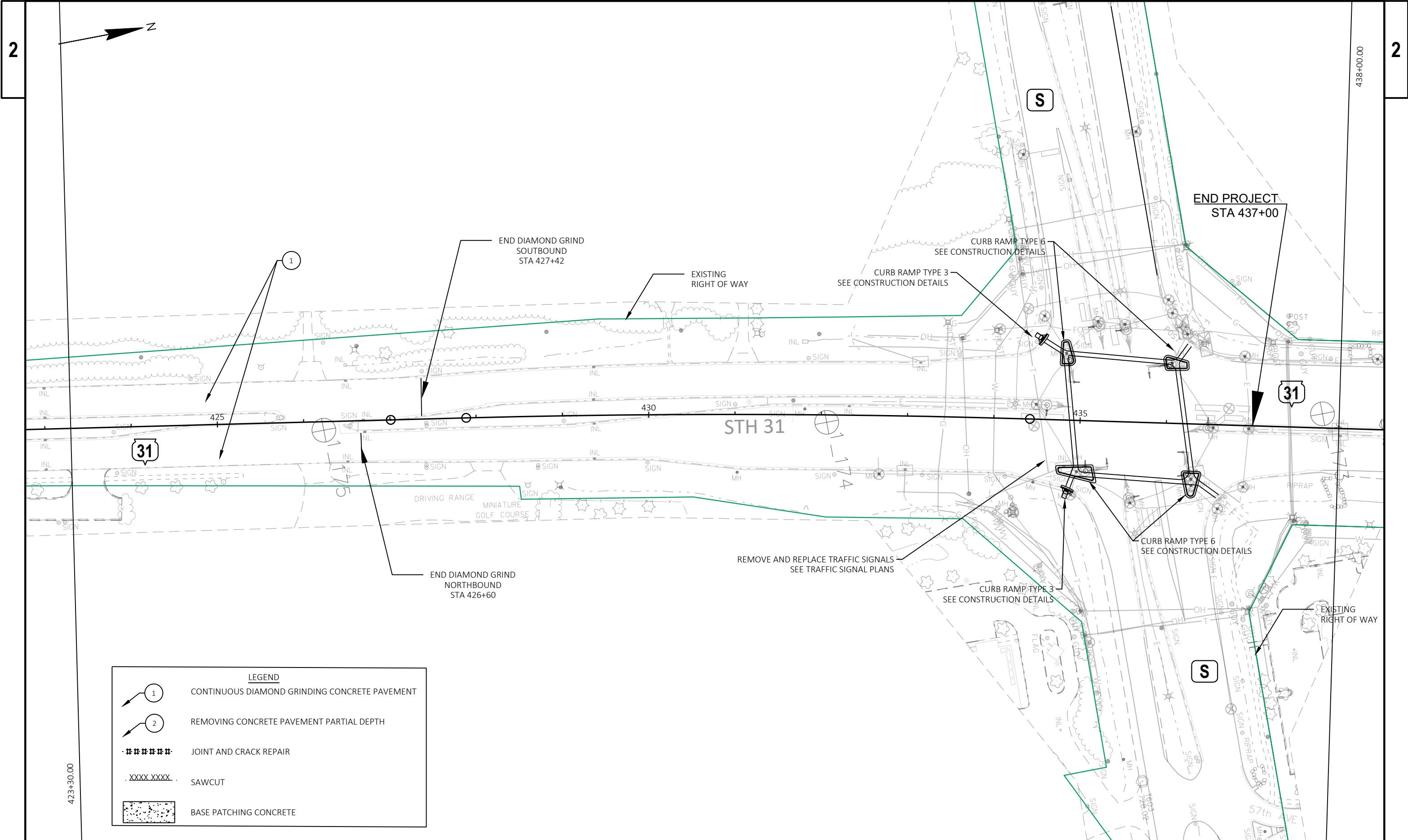
PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	PLAN DETAILS	SHEET	E
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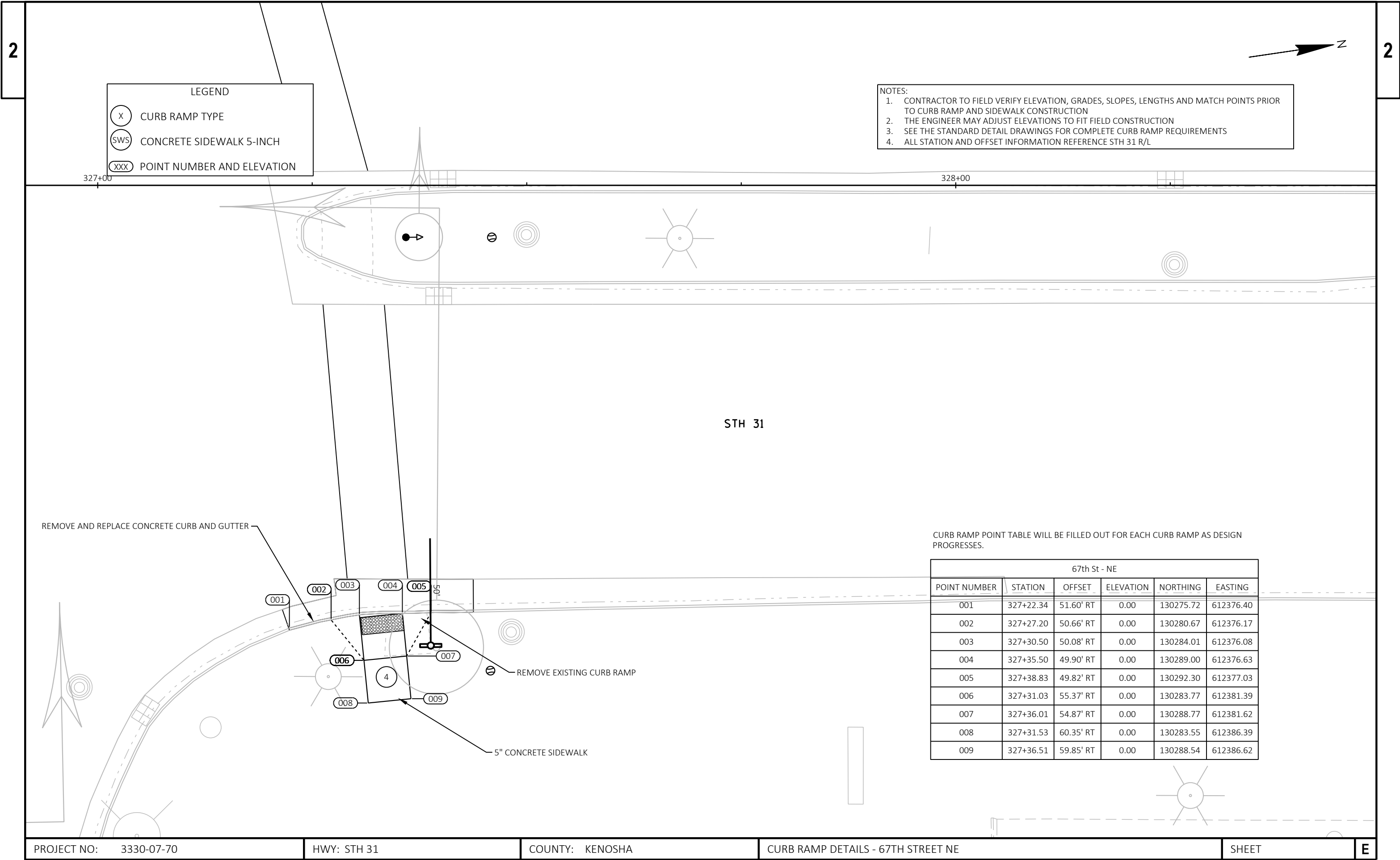


PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	PLAN DETAILS	SHEET	E
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PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	PLAN DETAILS	SHEET	E
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LEGEND

X

CURB RAMP TYPE

SWS

CONCRETE SIDEWALK 5-INCH

XXX

POINT NUMBER AND ELEVATION

- NOTES:
1.

CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2.

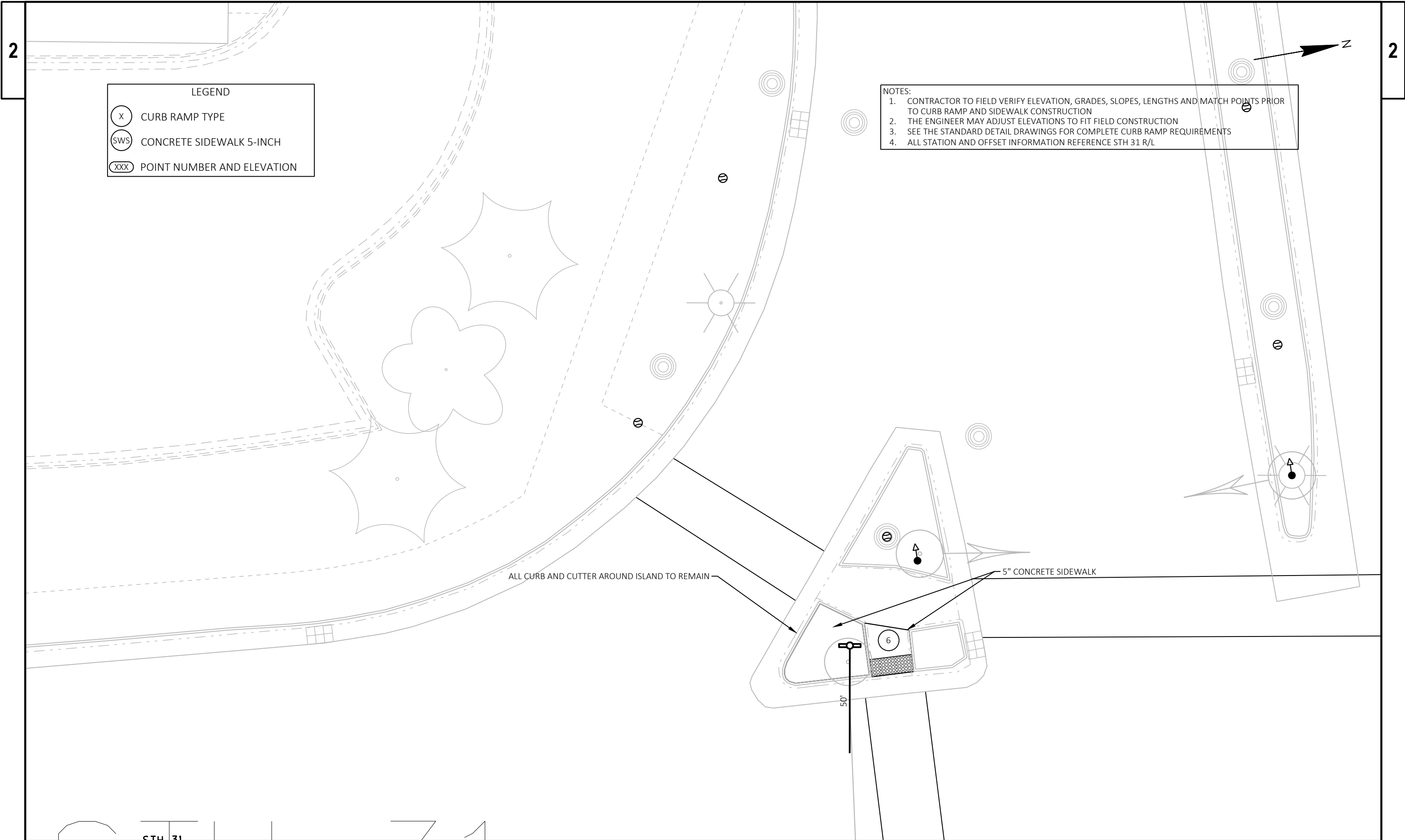
THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3.

SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4.

ALL STATION AND OFFSET INFORMATION REFERENCE STH 31 R/L

CURB RAMP POINT TABLE WILL BE FILLED OUT FOR EACH CURB RAMP AS DESIGN PROGRESSES.

67th St - NE					
POINT NUMBER	STATION	OFFSET	ELEVATION	NORTHING	EASTING
001	327+22.34	51.60' RT	0.00	130275.72	612376.40
002	327+27.20	50.66' RT	0.00	130280.67	612376.17
003	327+30.50	50.08' RT	0.00	130284.01	612376.08
004	327+35.50	49.90' RT	0.00	130289.00	612376.63
005	327+38.83	49.82' RT	0.00	130292.30	612377.03
006	327+31.03	55.37' RT	0.00	130283.77	612381.39
007	327+36.01	54.87' RT	0.00	130288.77	612381.62
008	327+31.53	60.35' RT	0.00	130283.55	612386.39
009	327+36.51	59.85' RT	0.00	130288.54	612386.62



LEGEND

- (X) CURB RAMP TYPE
(SWS) CONCRETE SIDEWALK 5-INCH
(XXX) POINT NUMBER AND ELEVATION

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSET INFORMATION REFERENCE STH 31 R/L

5" CONCRETE SIDEWALK

REMOVE AND REPLACE CONCRETE CURB AND GUTTER

REMOVE EXISTING ISLAND

5" CONCRETE SIDEWALK

SAWCUT

CURB AND GUTTER TYPE

STH 31

PROJECT NO: 3330-07-70

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COUNTY: KENOSHA

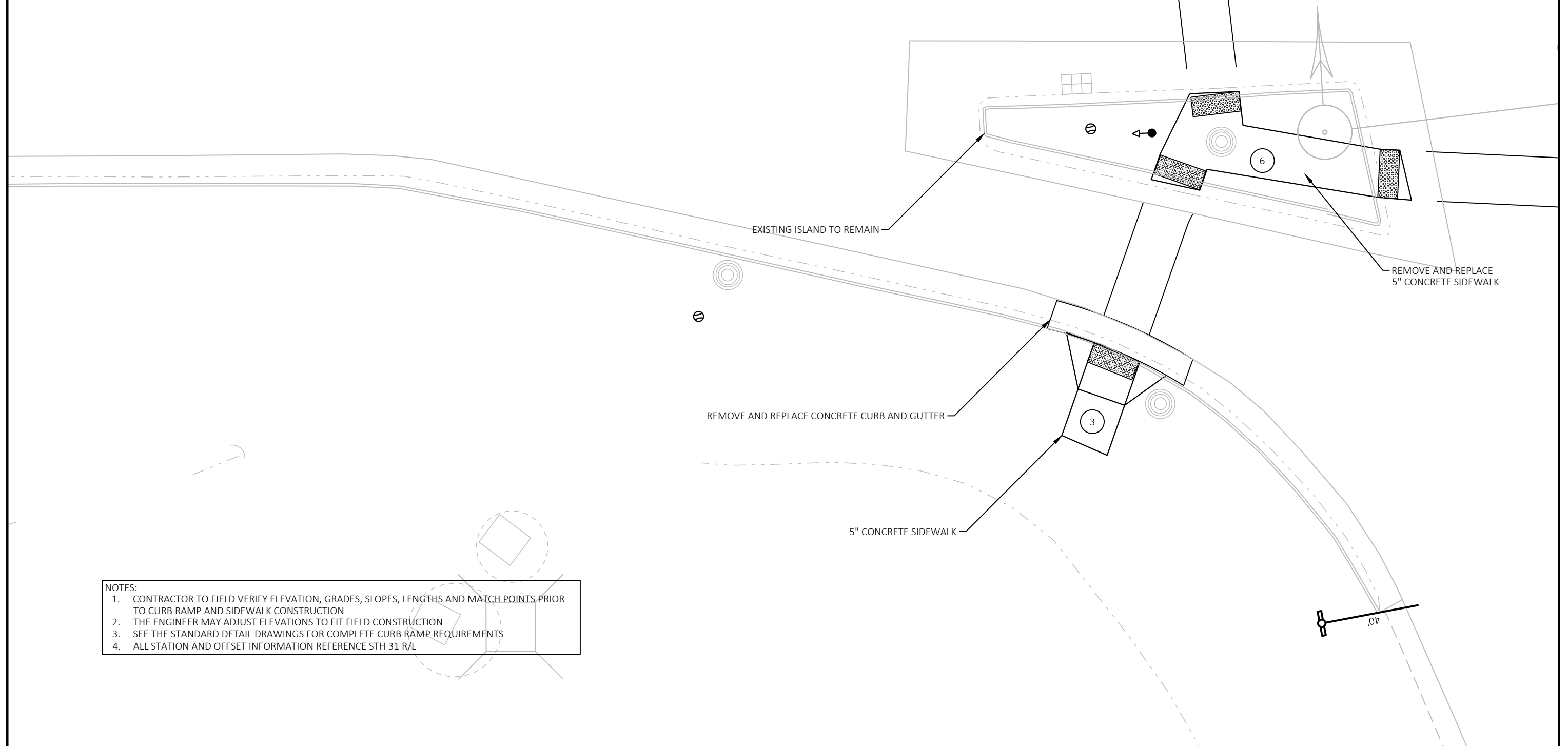
CURB RAMP DETAILS - CTH S SW

SHEET

E

LEGEND

- (X) CURB RAMP TYPE
(SWS) CONCRETE SIDEWALK 5-INCH
(XXX) POINT NUMBER AND ELEVATION



NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSET INFORMATION REFERENCE STH 31 R/L

PROJECT NO: 3330-07-70

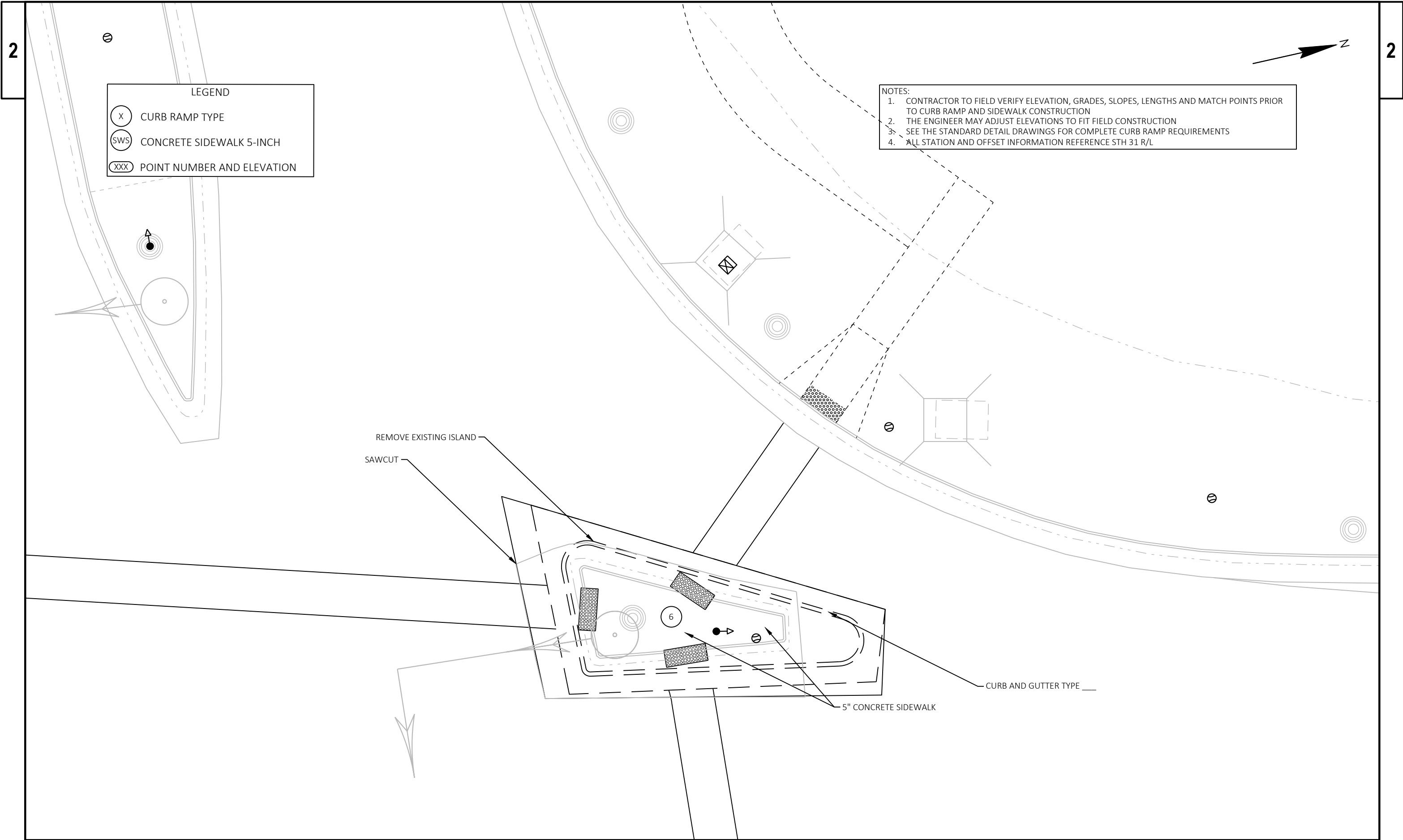
HWY: STH 31

COUNTY: KENOSHA

CURB RAMP DETAILS - CTH S SE

SHEET

E



LEGEND

- (X) CURB RAMP TYPE
(SWS) CONCRETE SIDEWALK 5-INCH
(XXX) POINT NUMBER AND ELEVATION

REMOVE AND REPLACE 5" CONCRETE SIDEWALK

EXISTING ISLAND TO REMAIN

NOTES:

1. CONTRACTOR TO FIELD VERIFY ELEVATION, GRADES, SLOPES, LENGTHS AND MATCH POINTS PRIOR TO CURB RAMP AND SIDEWALK CONSTRUCTION
2. THE ENGINEER MAY ADJUST ELEVATIONS TO FIT FIELD CONSTRUCTION
3. SEE THE STANDARD DETAIL DRAWINGS FOR COMPLETE CURB RAMP REQUIREMENTS
4. ALL STATION AND OFFSET INFORMATION REFERENCE STH 31 R/L

PROJECT NO: 3330-07-70

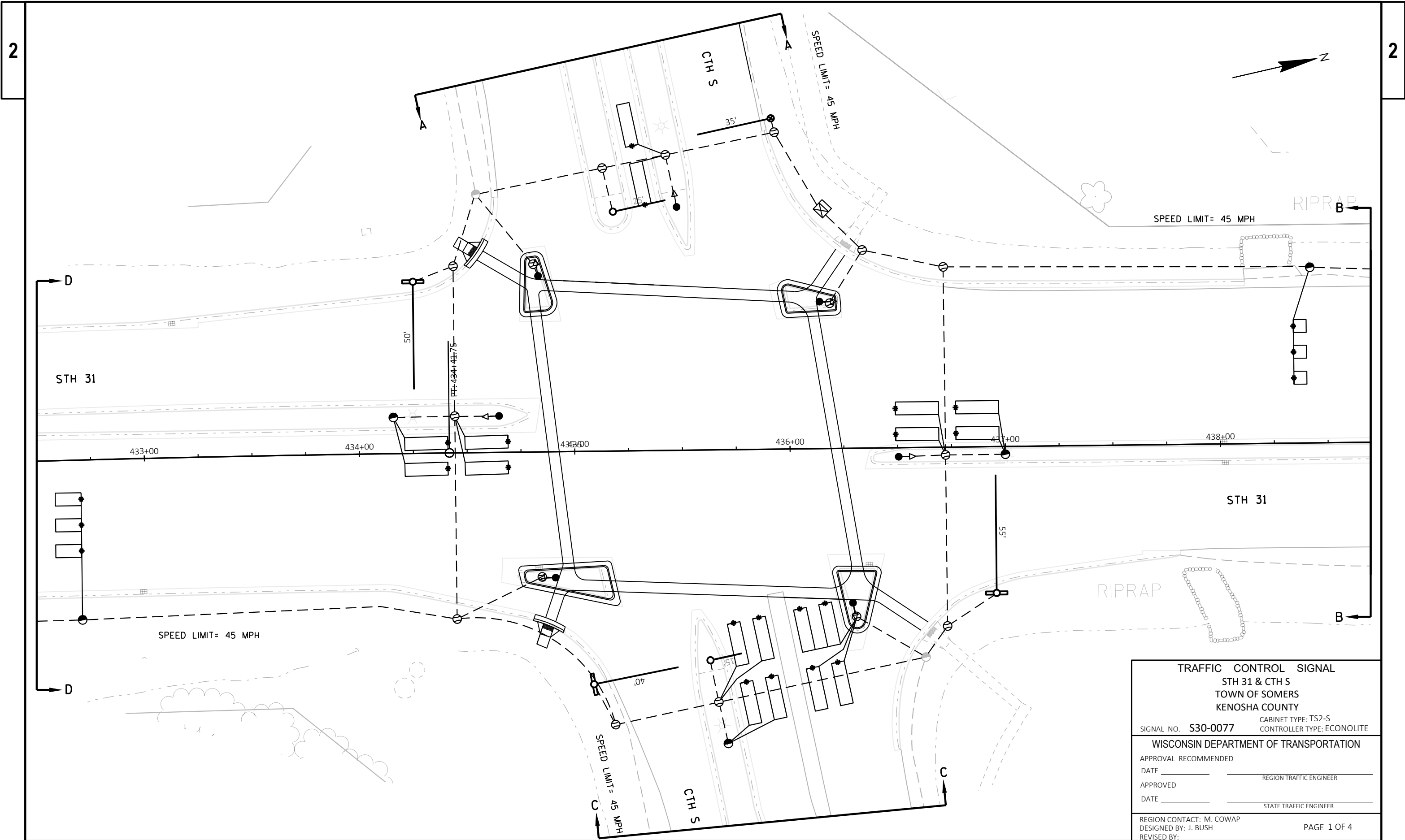
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COUNTY: KENOSHA

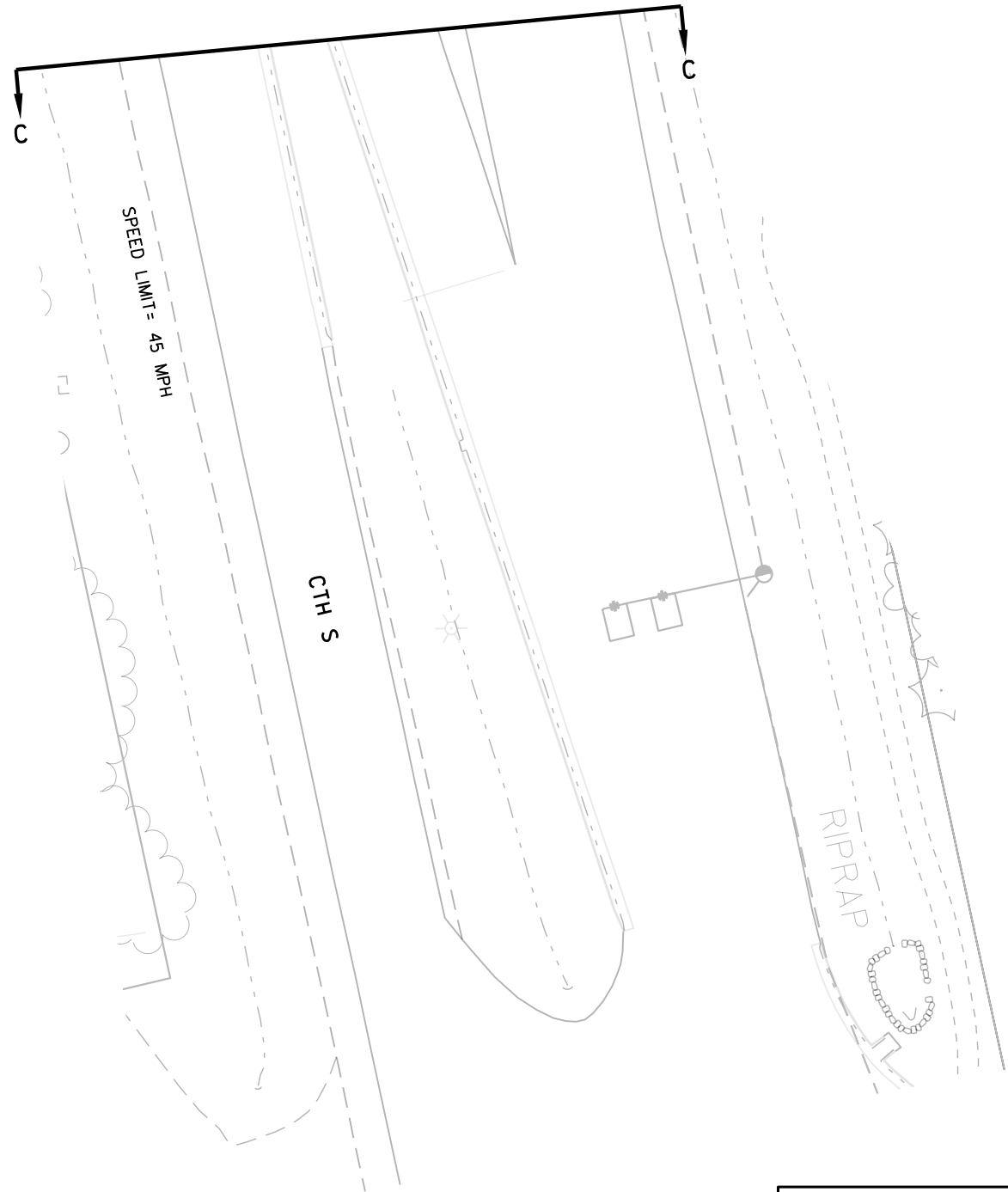
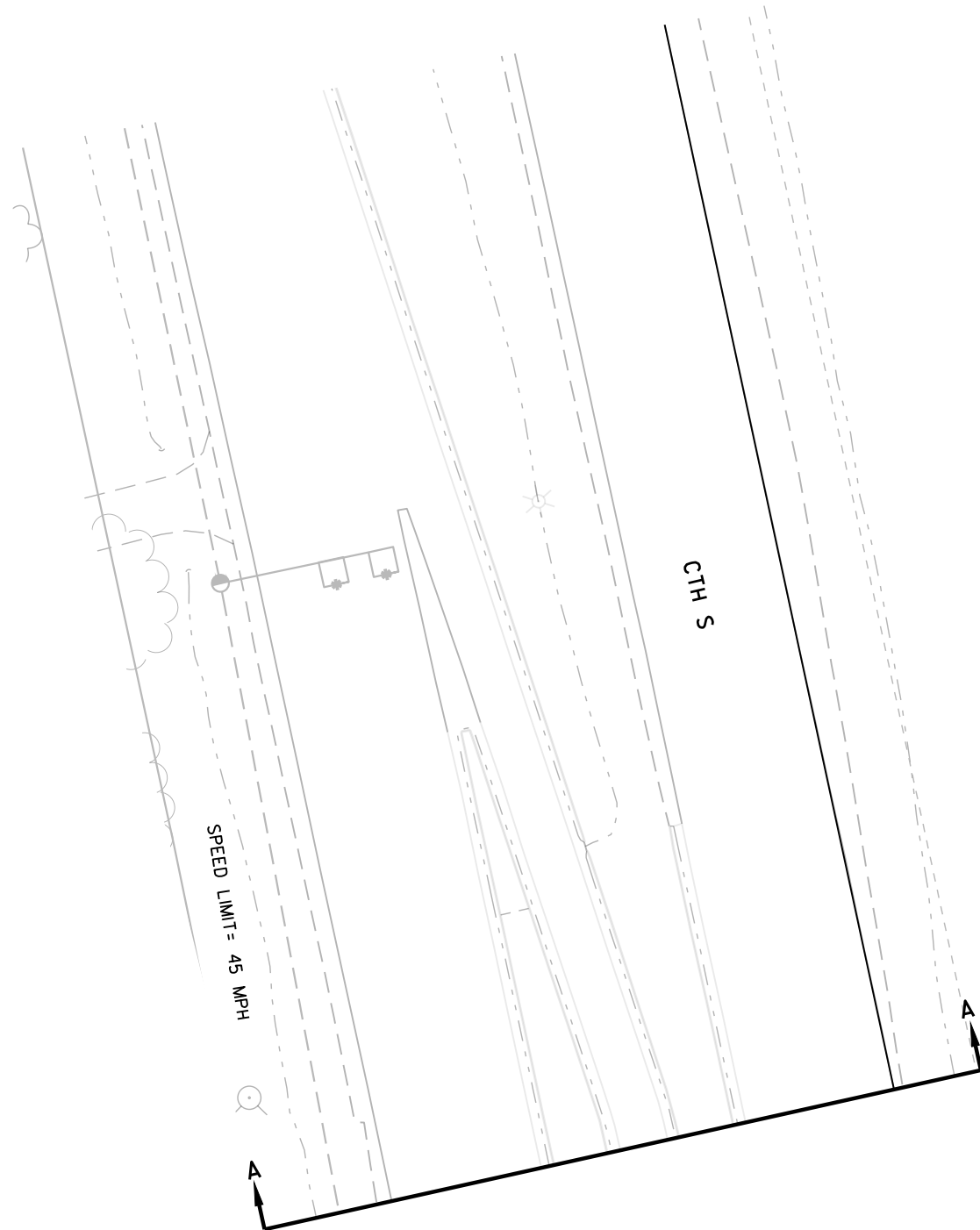
CURB RAMP DETAILS - CTH S NE

SHEET

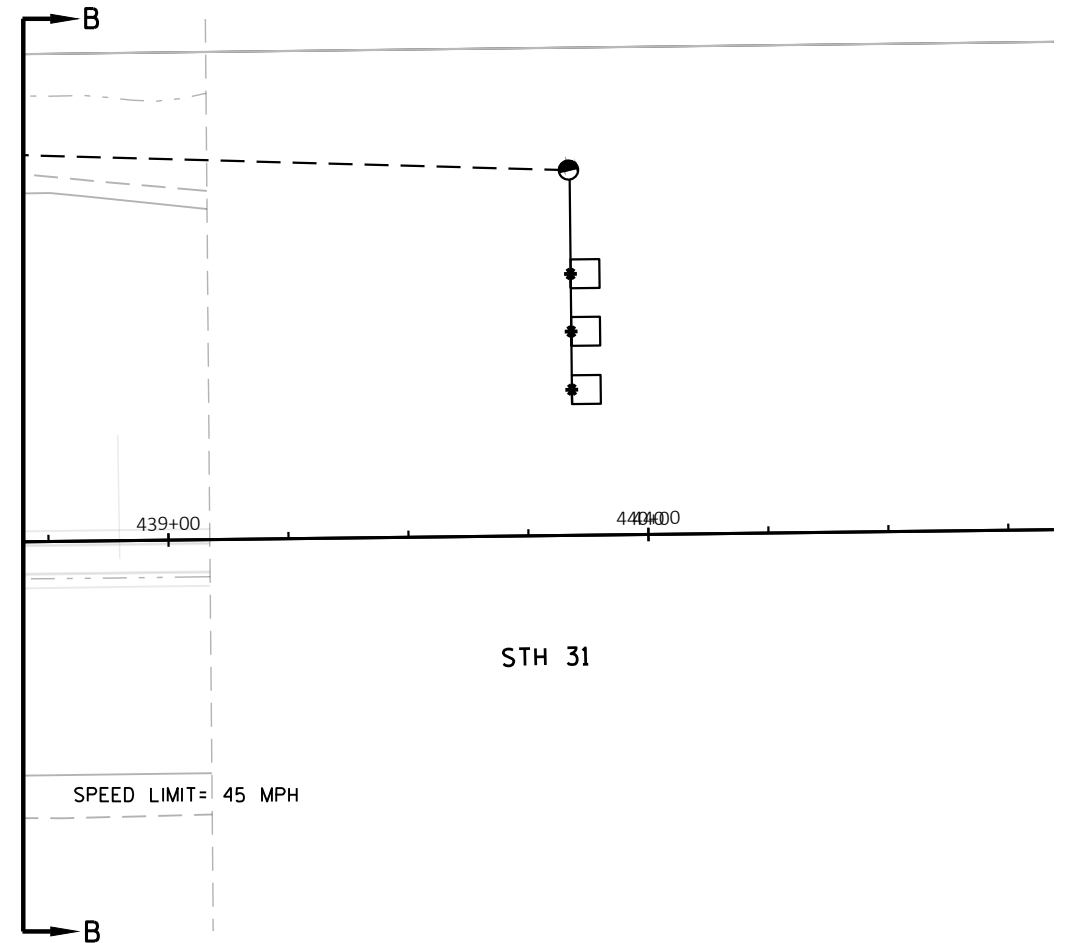
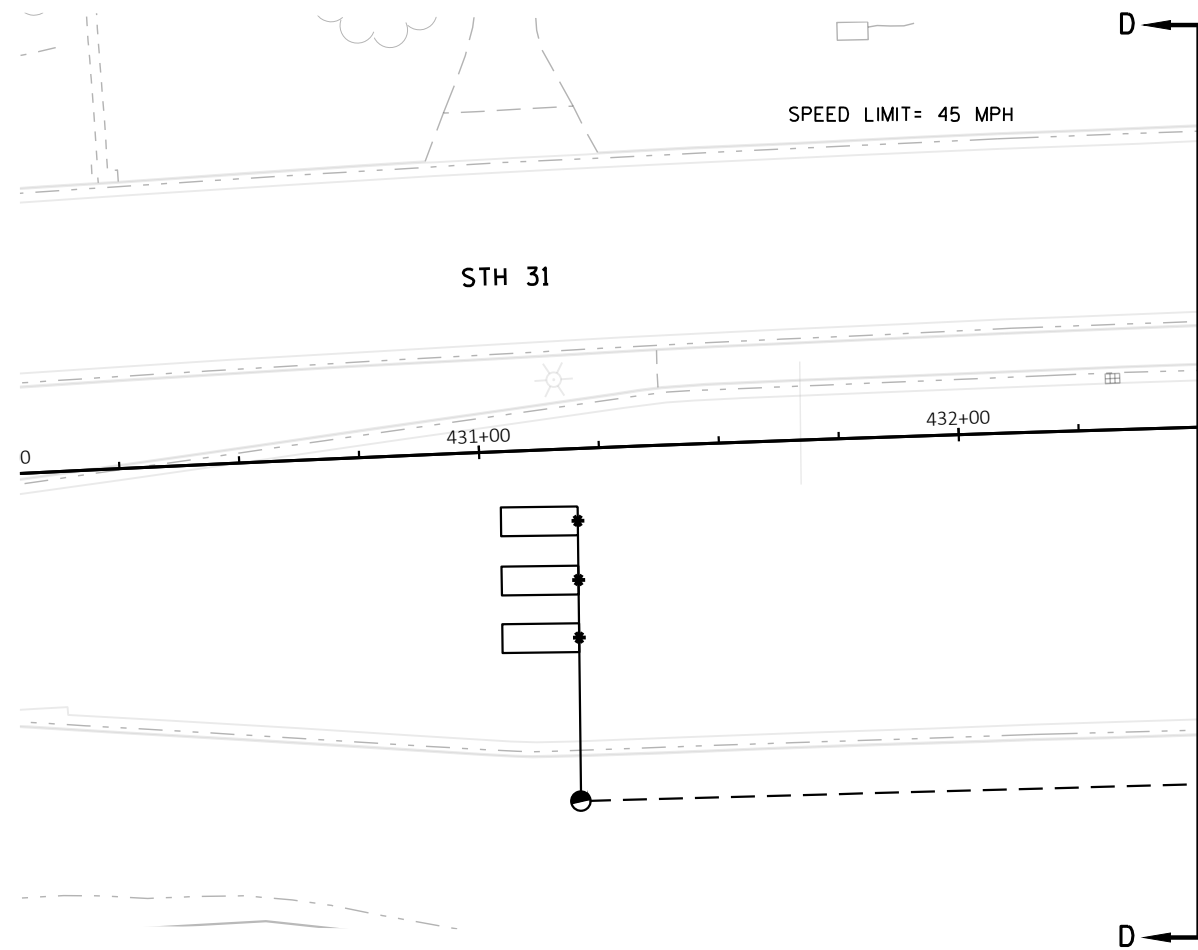
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TRAFFIC CONTROL SIGNAL	
STH 31 & CTH S	
TOWN OF SOMERS	
KENOSHA COUNTY	
SIGNAL NO. S30-0077	CABINET TYPE: TS2-S CONTROLLER TYPE: ECONOLITE
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
DATE _____	REGION TRAFFIC ENGINEER _____
APPROVED	
DATE _____	STATE TRAFFIC ENGINEER _____
REGION CONTACT: M. COWAP	
DESIGNED BY: J. BUSH	PAGE 1 OF 4
REVISED BY:	

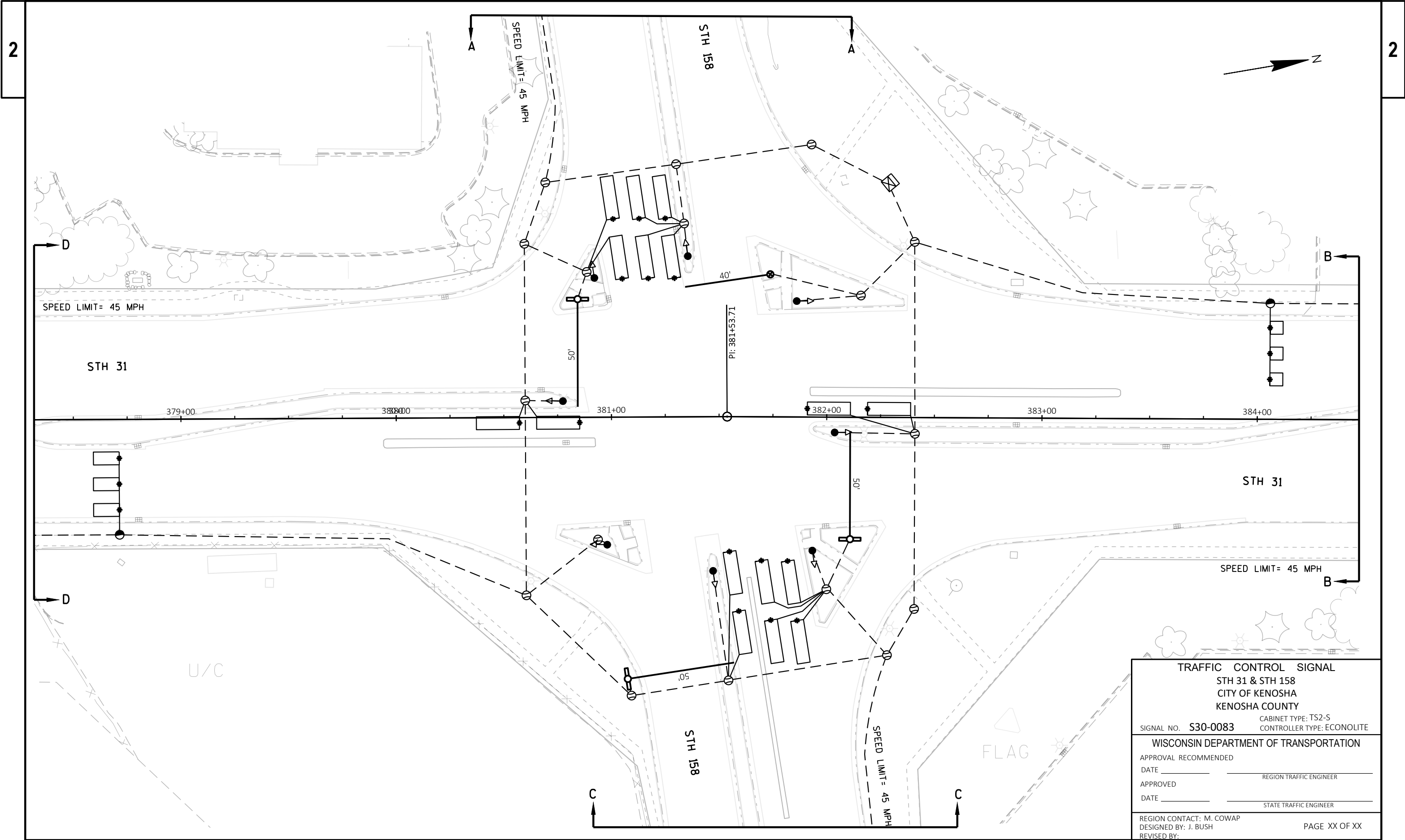


TRAFFIC CONTROL SIGNAL STH 31 & CTH S TOWN OF SOMERS KENOSHA COUNTY	
SIGNAL NO. S30-0077	
REGION CONTACT: M. COWAP DESIGNED BY: J. BUSH REVISED BY:	PAGE 2 OF 4

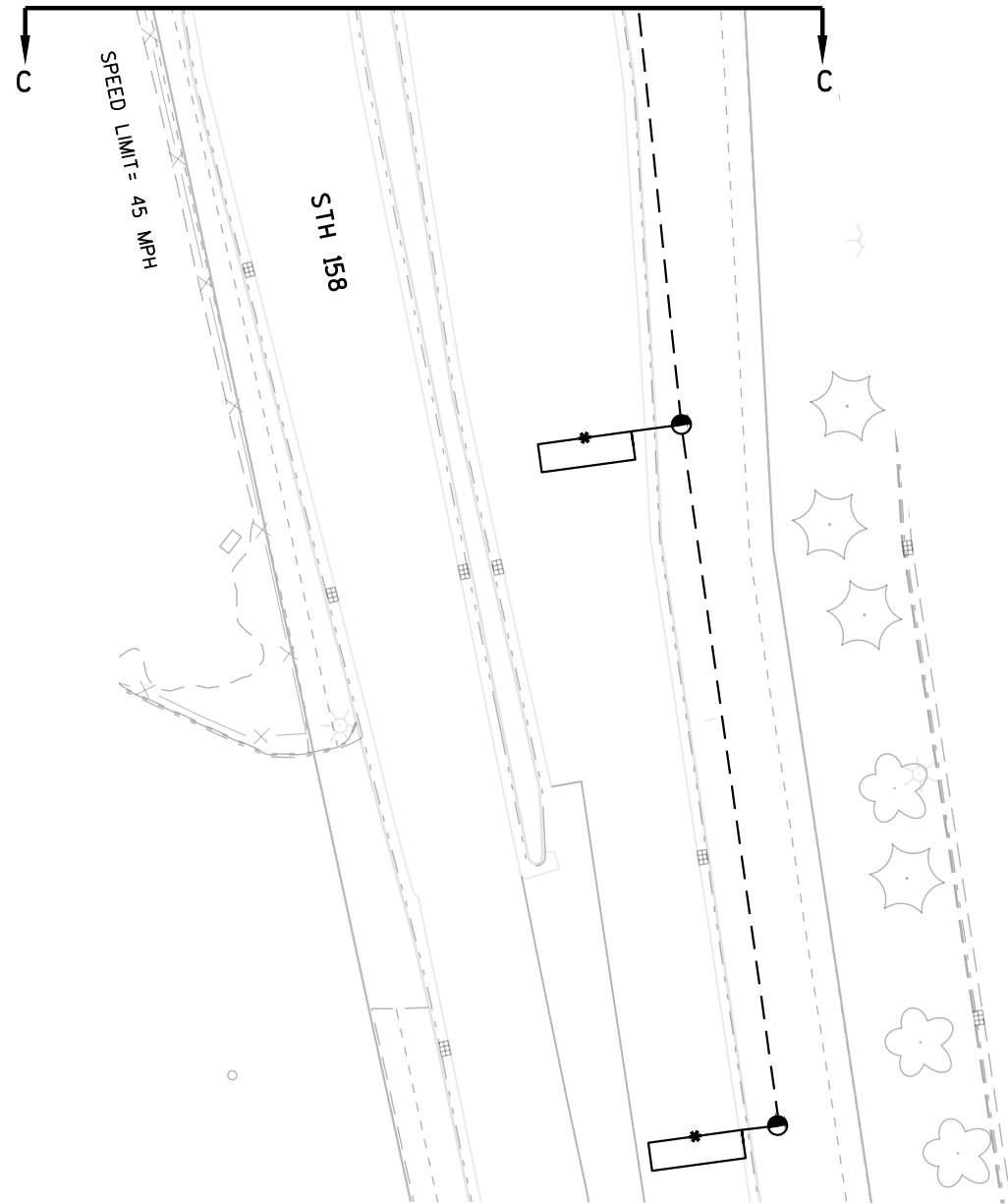


TRAFFIC CONTROL SIGNAL STH 31 & CTH S TOWN OF SOMERS KENOSHA COUNTY	
SIGNAL NO. S30-0077	
REGION CONTACT: M. COWAP DESIGNED BY: J. BUSH REVISED BY:	PAGE 3 OF 4

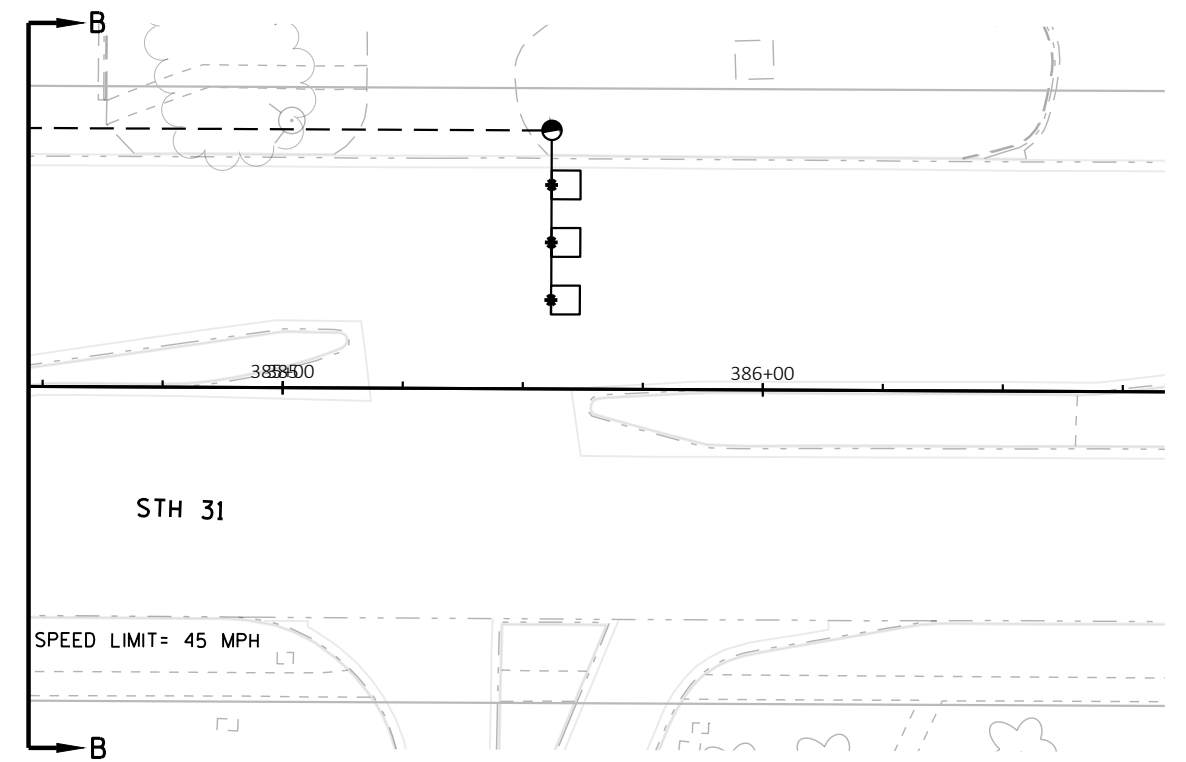
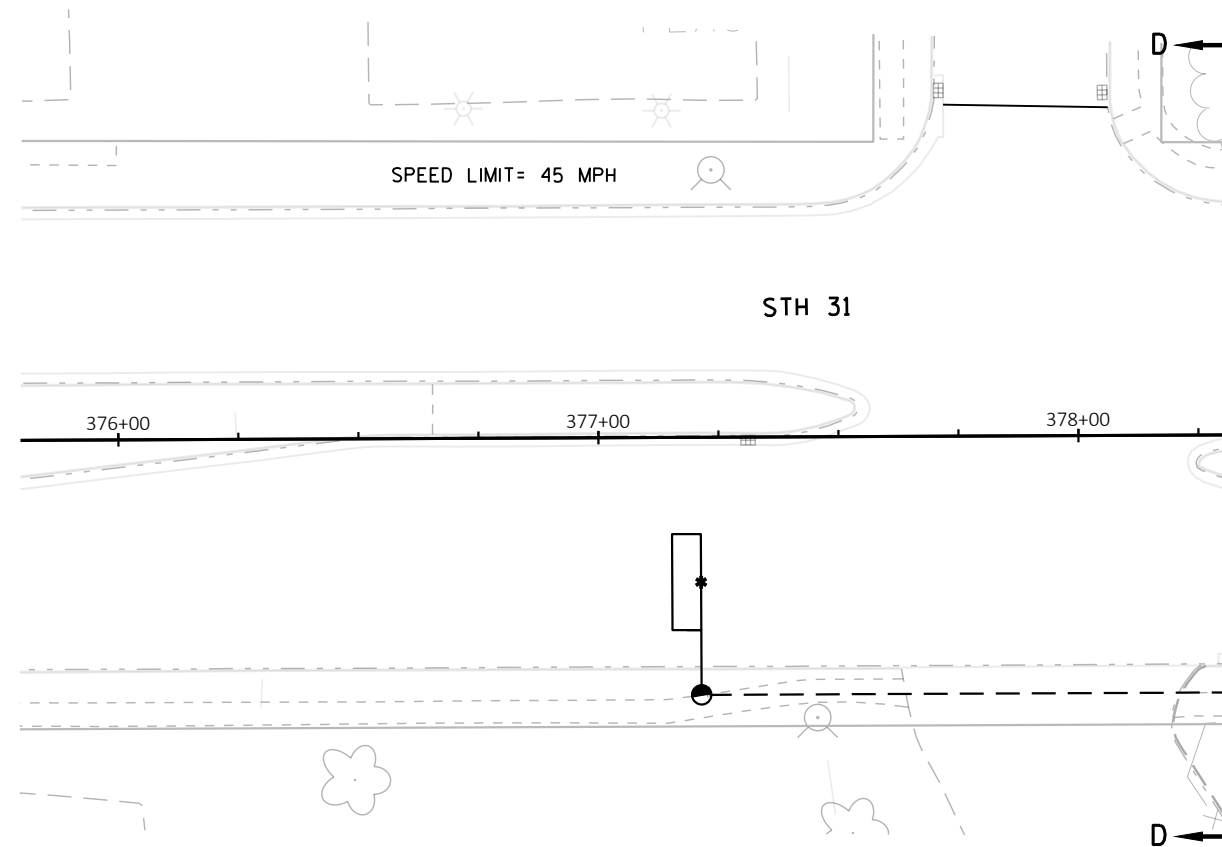
PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET	E
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TRAFFIC CONTROL SIGNAL	
STH 31 & STH 158	
CITY OF KENOSHA	
KENOSHA COUNTY	
SIGNAL NO. S30-0083	CABINET TYPE: TS2-S CONTROLLER TYPE: ECONOLITE
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
DATE _____	REGION TRAFFIC ENGINEER _____
APPROVED	
DATE _____	STATE TRAFFIC ENGINEER _____
REGION CONTACT: M. COWAP	
DESIGNED BY: J. BUSH	
REVISED BY: _____	
PAGE XX OF XX	



TRAFFIC CONTROL SIGNAL STH 31 & STH 158 CITY OF KENOSHA KENOSHA COUNTY	
SIGNAL NO. S30-0083	
REGION CONTACT: M. COWAP DESIGNED BY: J. BUSH REVISED BY:	PAGE 2 OF 4



TRAFFIC CONTROL SIGNAL STH 31 & STH 158 CITY OF KENOSHA KENOSHA COUNTY	
SIGNAL NO. S30-0083	
REGION CONTACT: M. COWAP DESIGNED BY: J. BUSH REVISED BY:	PAGE 3 OF 4

PROJECT NO: 3330-07-70

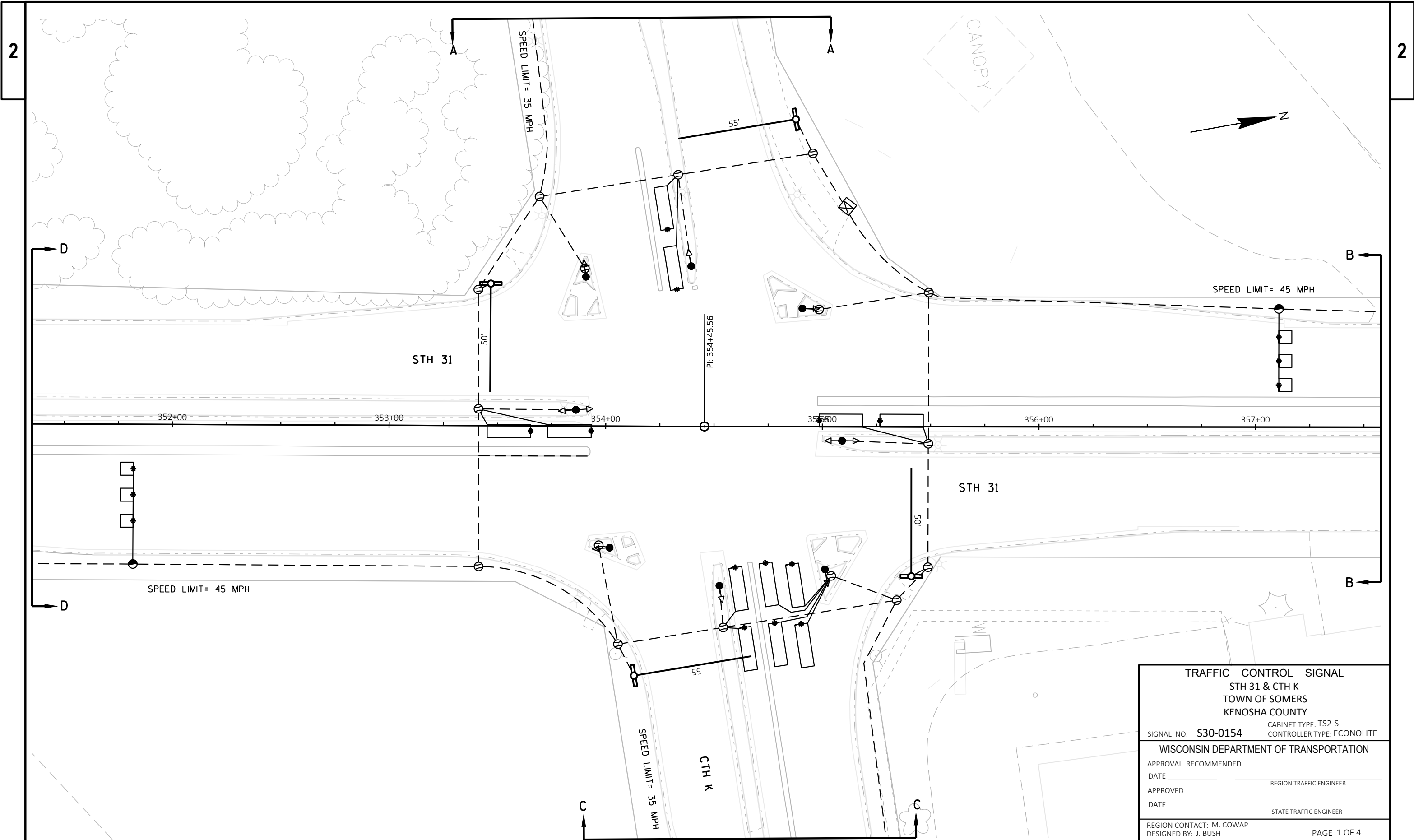
HWY: STH 31

COUNTY: KENOSHA

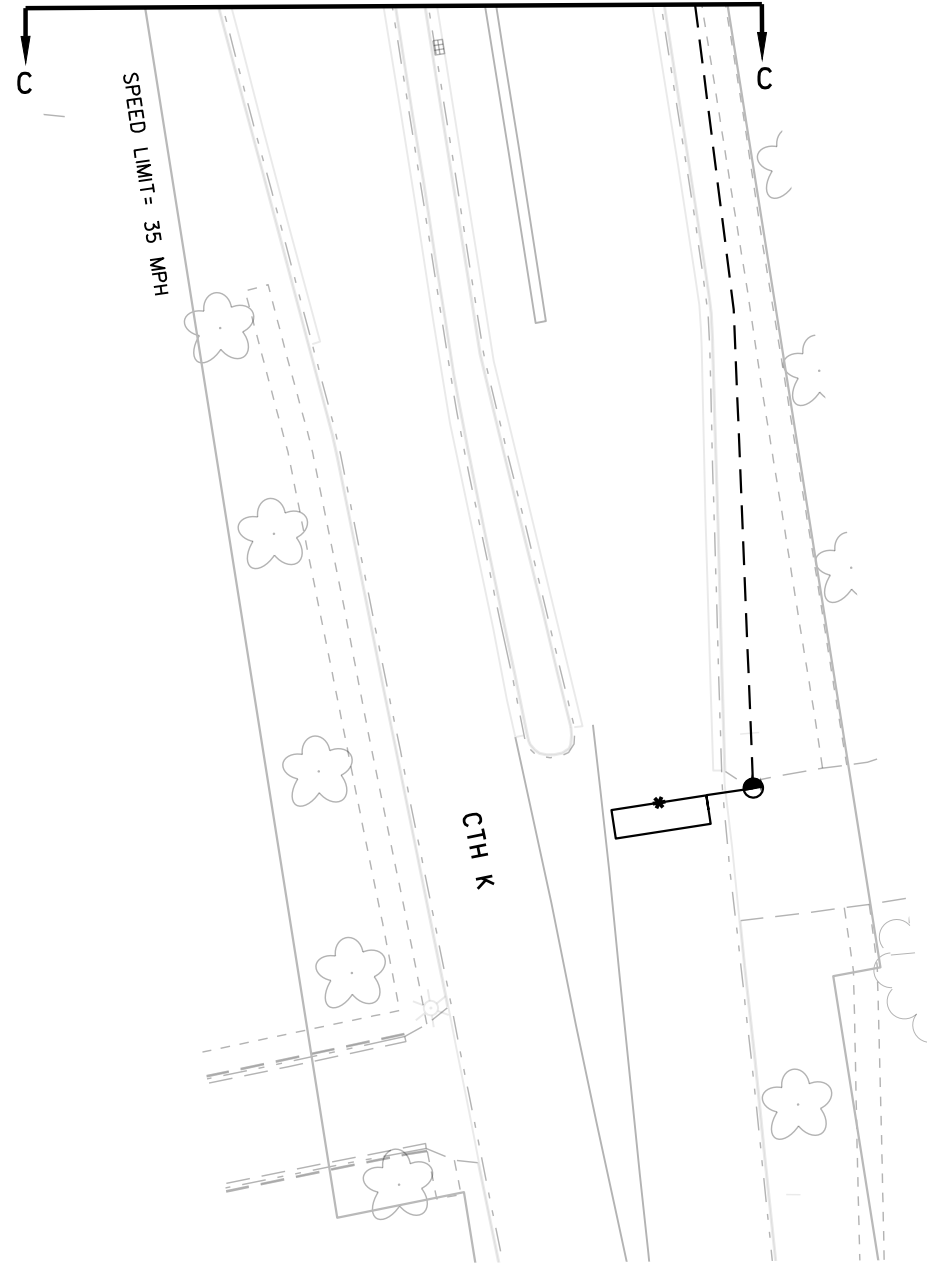
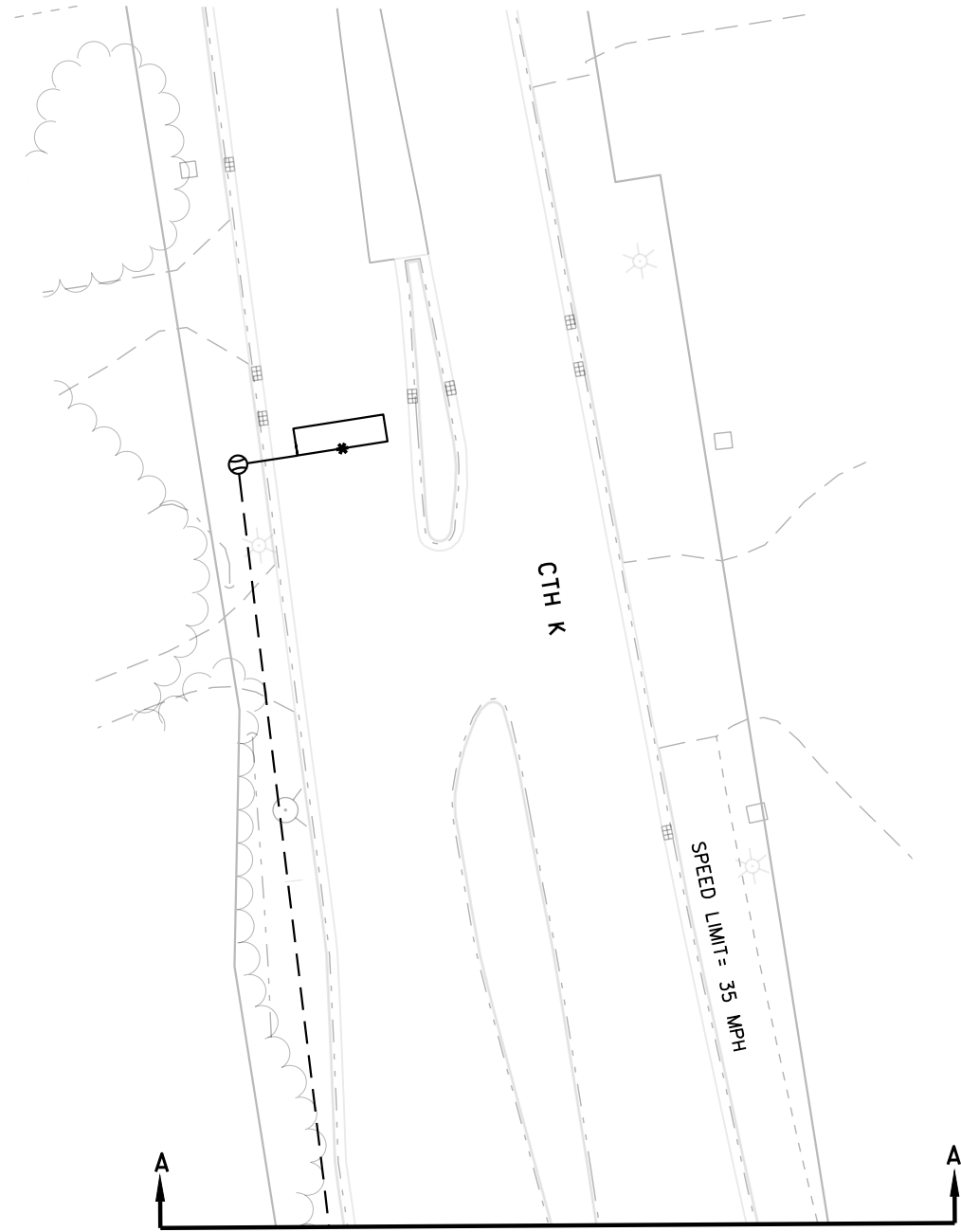
TRAFFIC SIGNAL PLAN

SHEET

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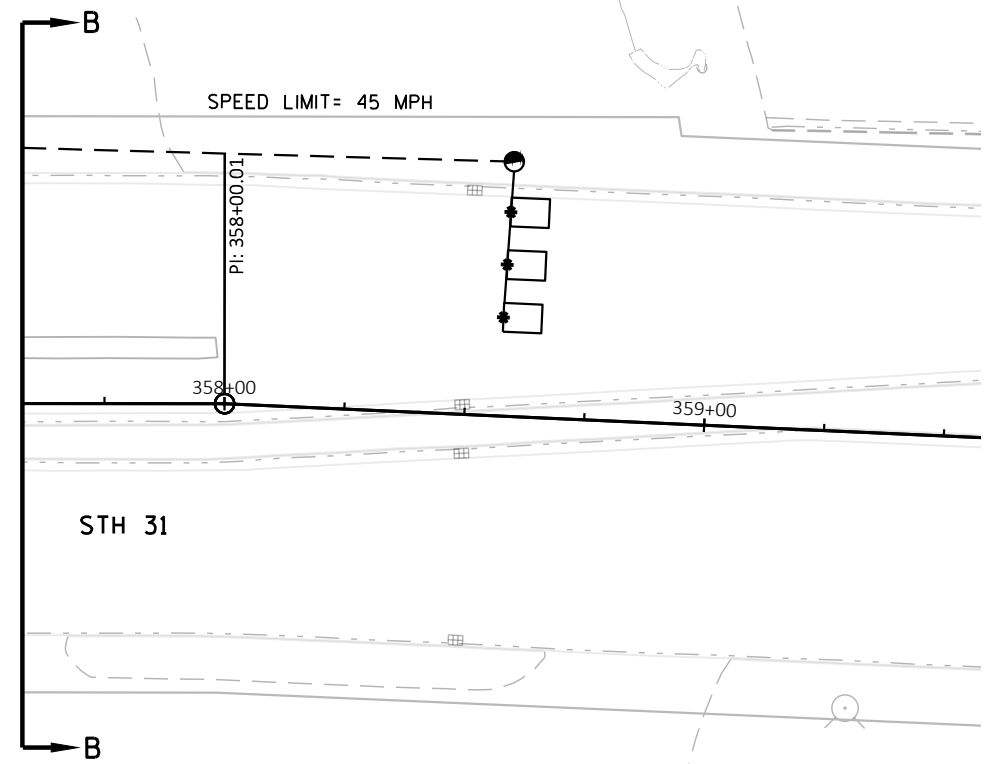
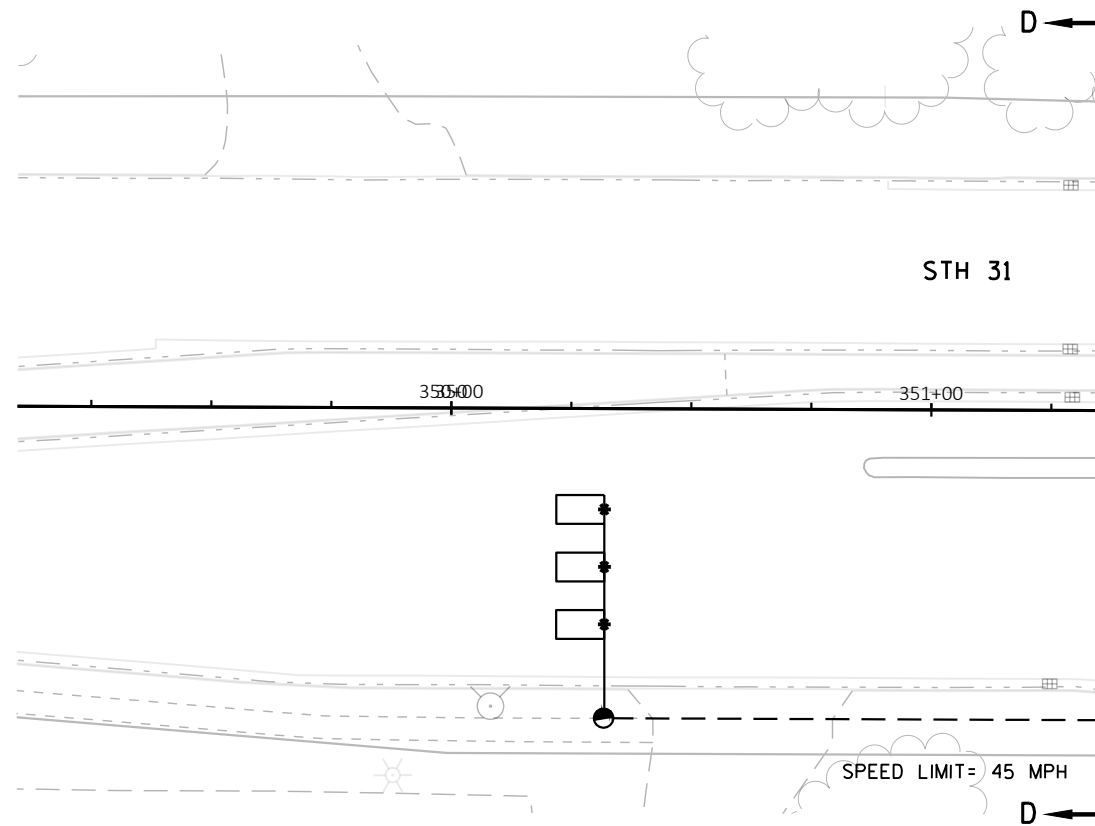


TRAFFIC CONTROL SIGNAL STH 31 & CTH K TOWN OF SOMERS KENOSHA COUNTY	
SIGNAL NO. S30-0154	CABINET TYPE: TS2-S CONTROLLER TYPE: ECONOLITE
WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVAL RECOMMENDED	
DATE _____	REGION TRAFFIC ENGINEER _____
APPROVED	
DATE _____	STATE TRAFFIC ENGINEER _____
REGION CONTACT: M. COWAP DESIGNED BY: J. BUSH REVISED BY: _____	
PAGE 1 OF 4	



TRAFFIC CONTROL SIGNAL STH 31 & CTH K TOWN OF SOMERS KENOSHA COUNTY	
SIGNAL NO. S30-0154	
REGION CONTACT: M. COWAP DESIGNED BY: J. BUSH REVISED BY:	PAGE 2 OF 4

PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	TRAFFIC SIGNAL PLAN	SHEET	E
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TRAFFIC CONTROL SIGNAL
STH 31 & CTH K
TOWN OF SOMERS
KENOSHA COUNTY

SIGNAL NO. S30-0154

REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 3330-07-70

HWY: STH 31

COUNTY: KENOSHA

TRAFFIC SIGNAL PLAN

SHEET

E

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PLOT DATE : 11/5/2020 4:28 PM

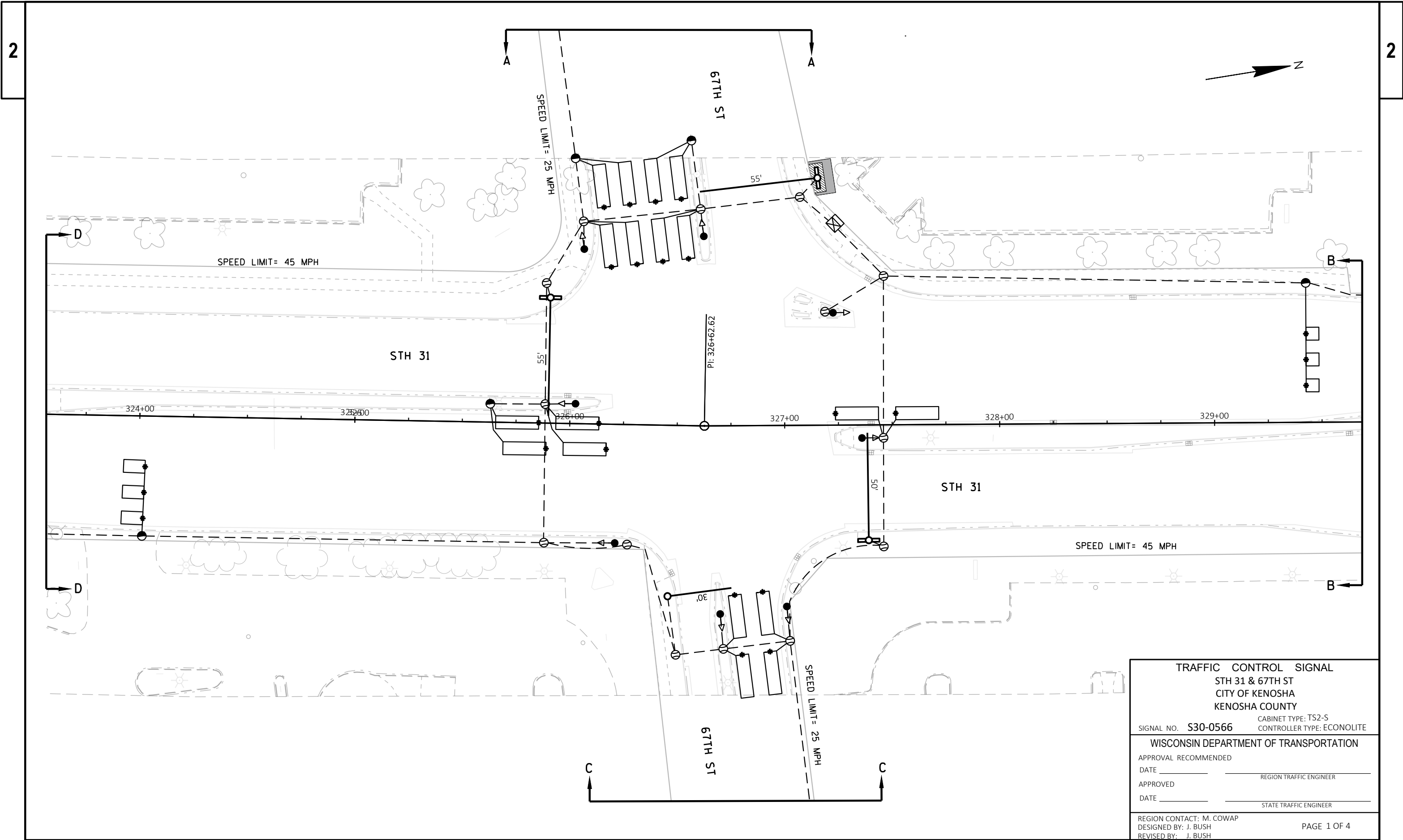
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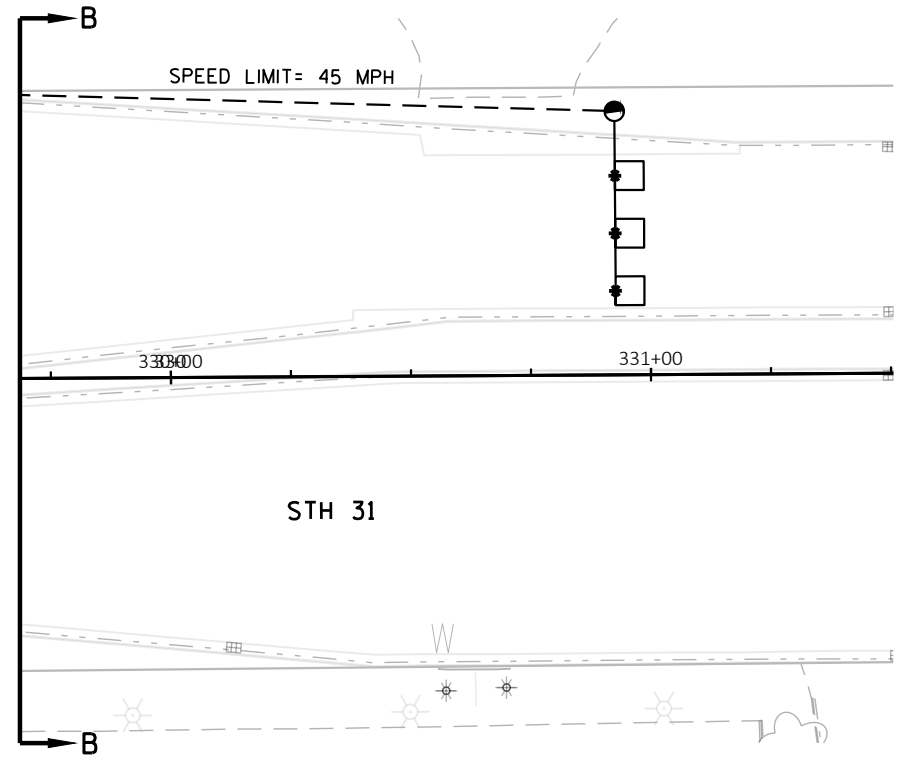
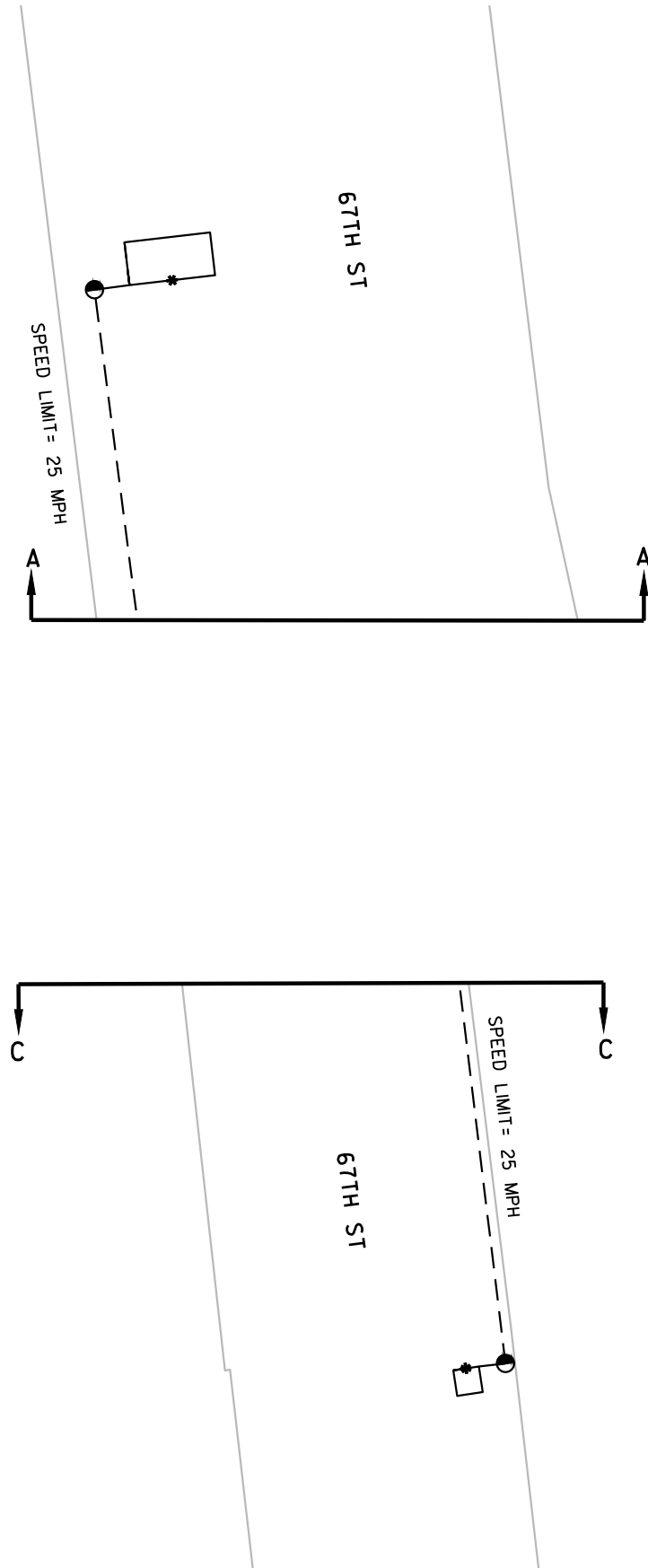
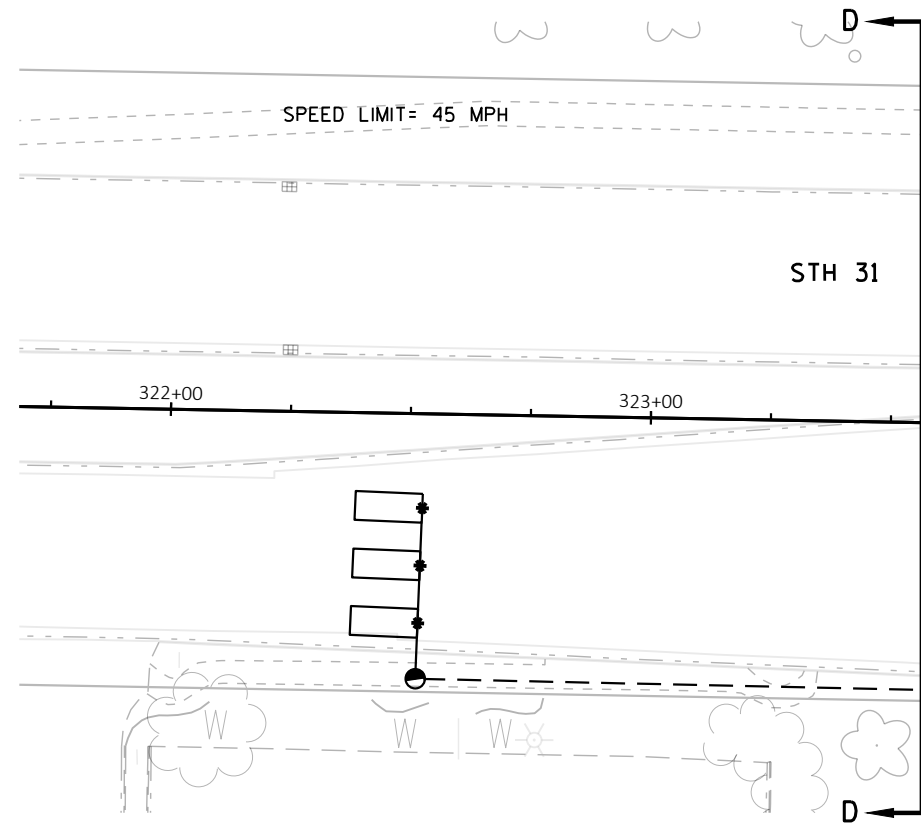
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PLOT SCALE : #####

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDs SHEET 42





TRAFFIC CONTROL SIGNAL STH 31 & 67TH ST CITY OF KENOSHA KENOSHA COUNTY	
SIGNAL NO. S30-0566	
REGION CONTACT: M. COWAP DESIGNED BY: J. BUSH REVISED BY:	PAGE 2 OF 3

PROJECT NO: 3330-07-70

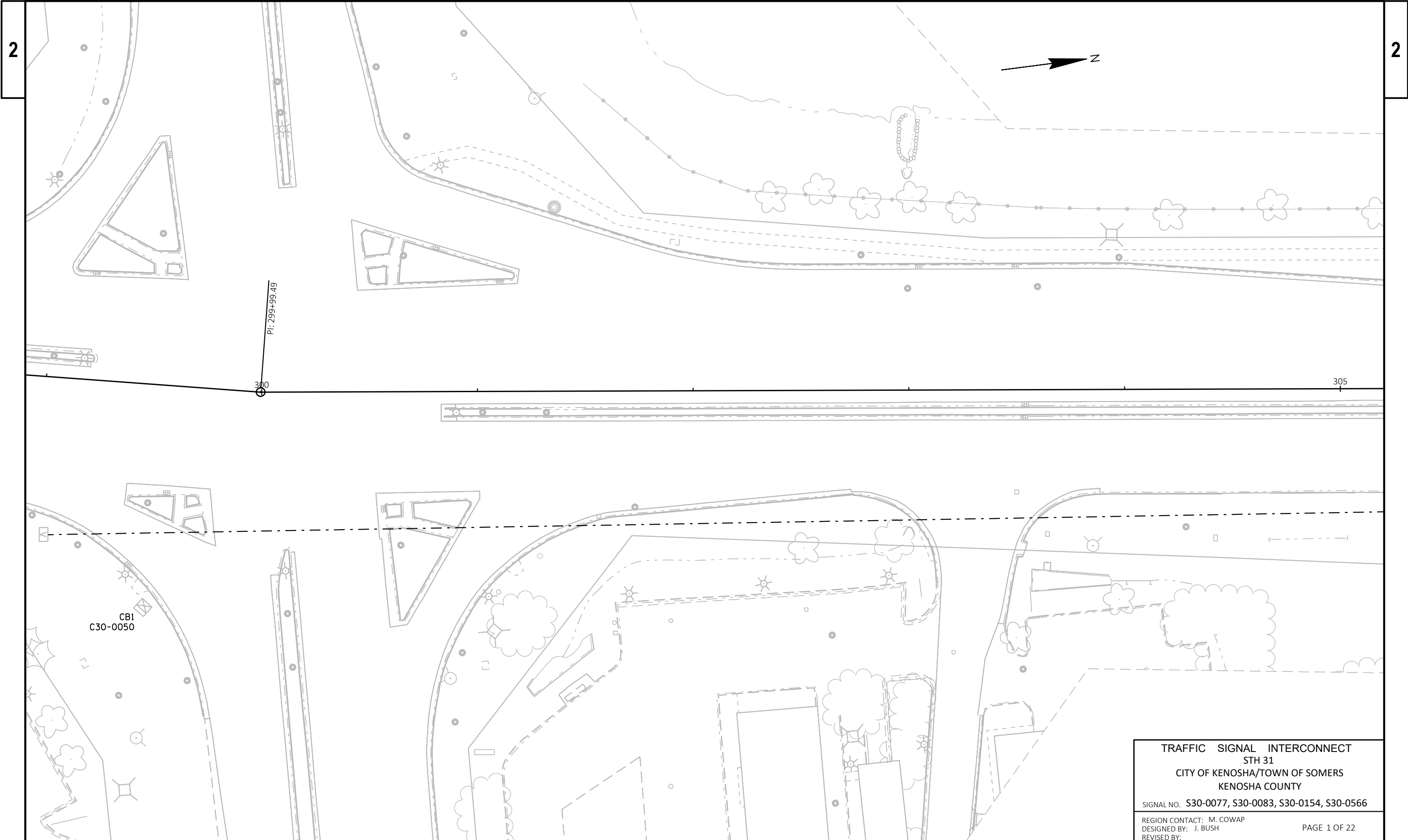
HWY: STH 31

COUNTY: KENOSHA

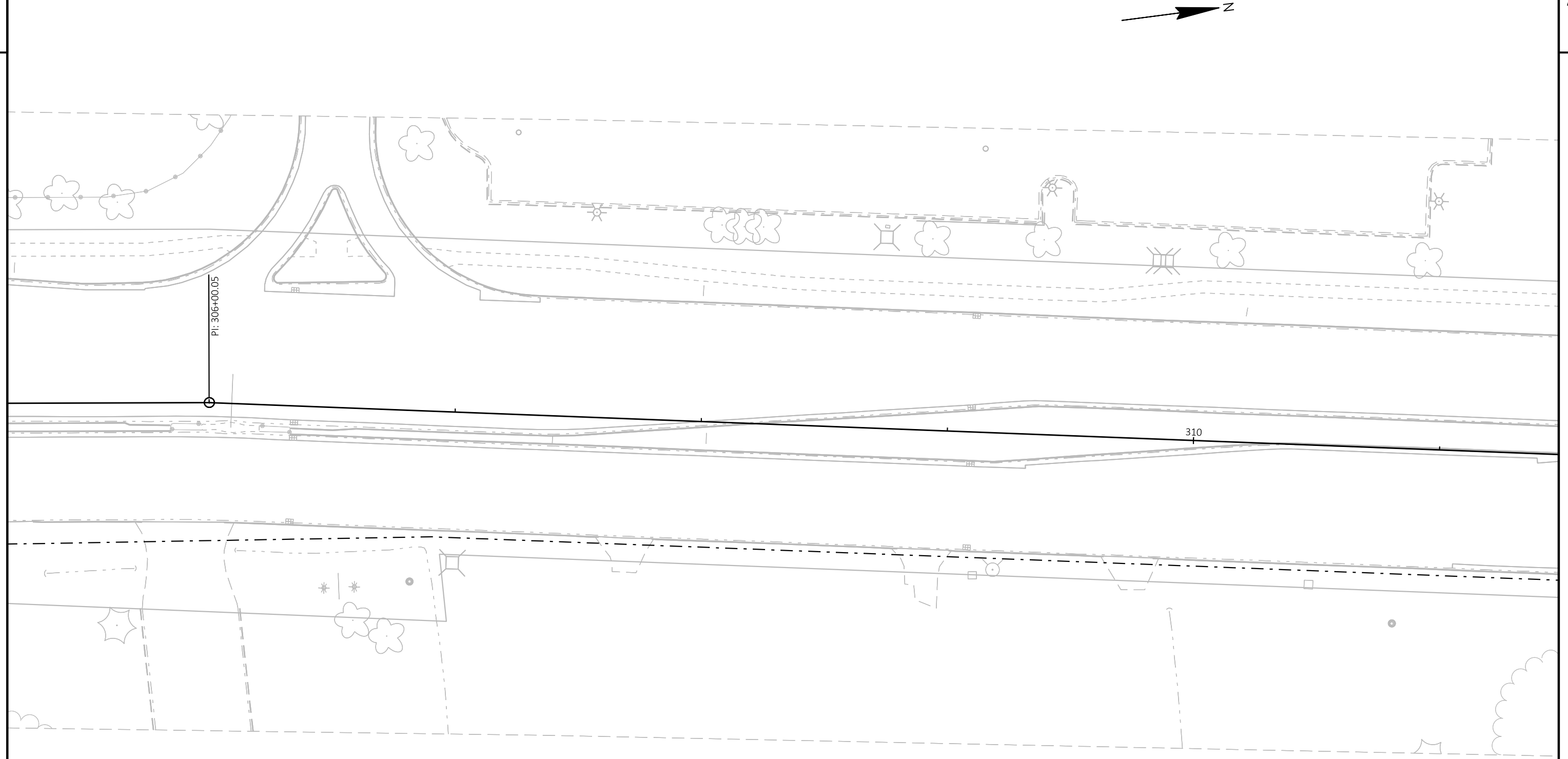
TRAFFIC SIGNAL PLAN

SHEET

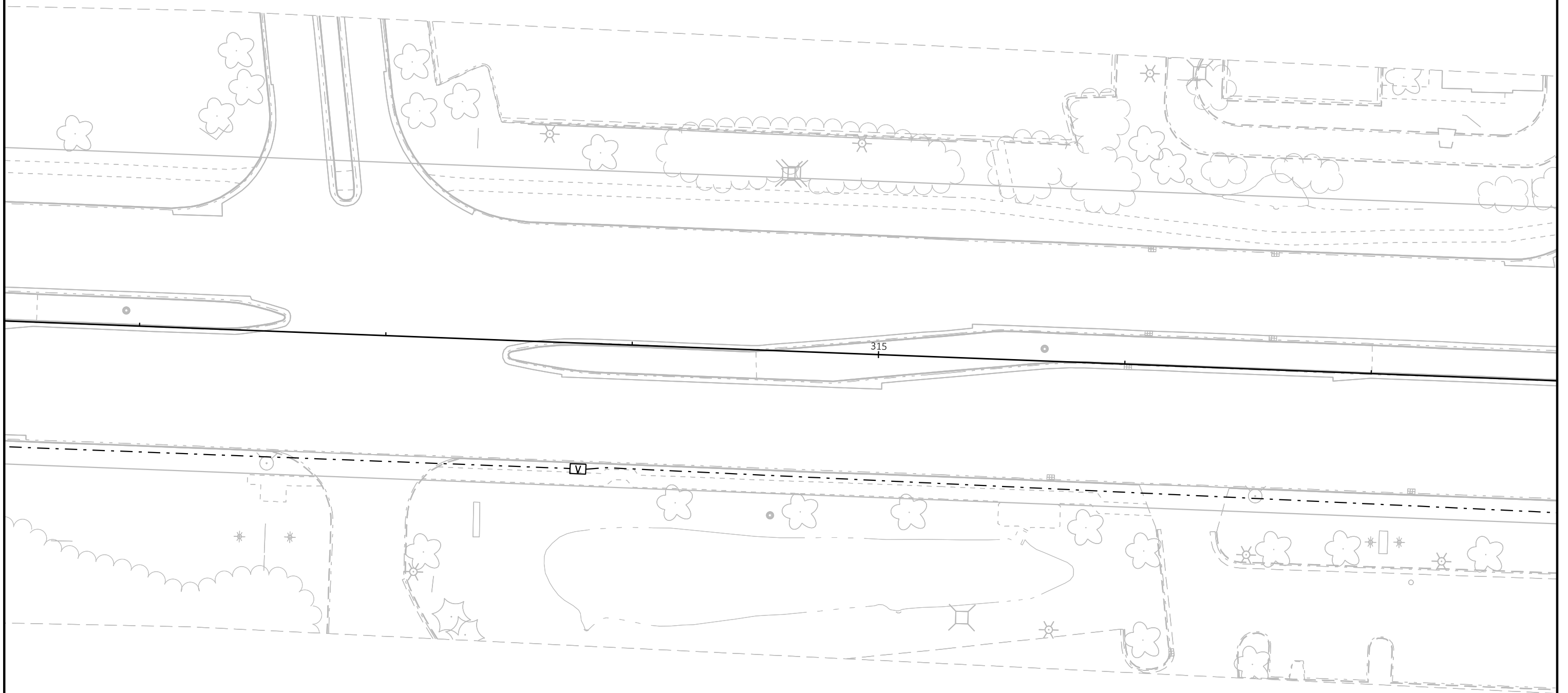
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TRAFFIC SIGNAL INTERCONNECT STH 31 CITY OF KENOSHA/TOWN OF SOMERS KENOSHA COUNTY
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566
REGION CONTACT: M. COWAP DESIGNED BY: J. BUSH REVISED BY:
PAGE 1 OF 22



TRAFFIC SIGNAL INTERCONNECT STH 31 CITY OF KENOSHA/TOWN OF SOMERS KENOSHA COUNTY	
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566	
REGION CONTACT: M. COWAP DESIGNED BY: J. BUSH REVISED BY:	PAGE 2 OF 22



TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY

SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566

REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY:

PAGE 3 OF 22

PROJECT NO: 3330-07-70

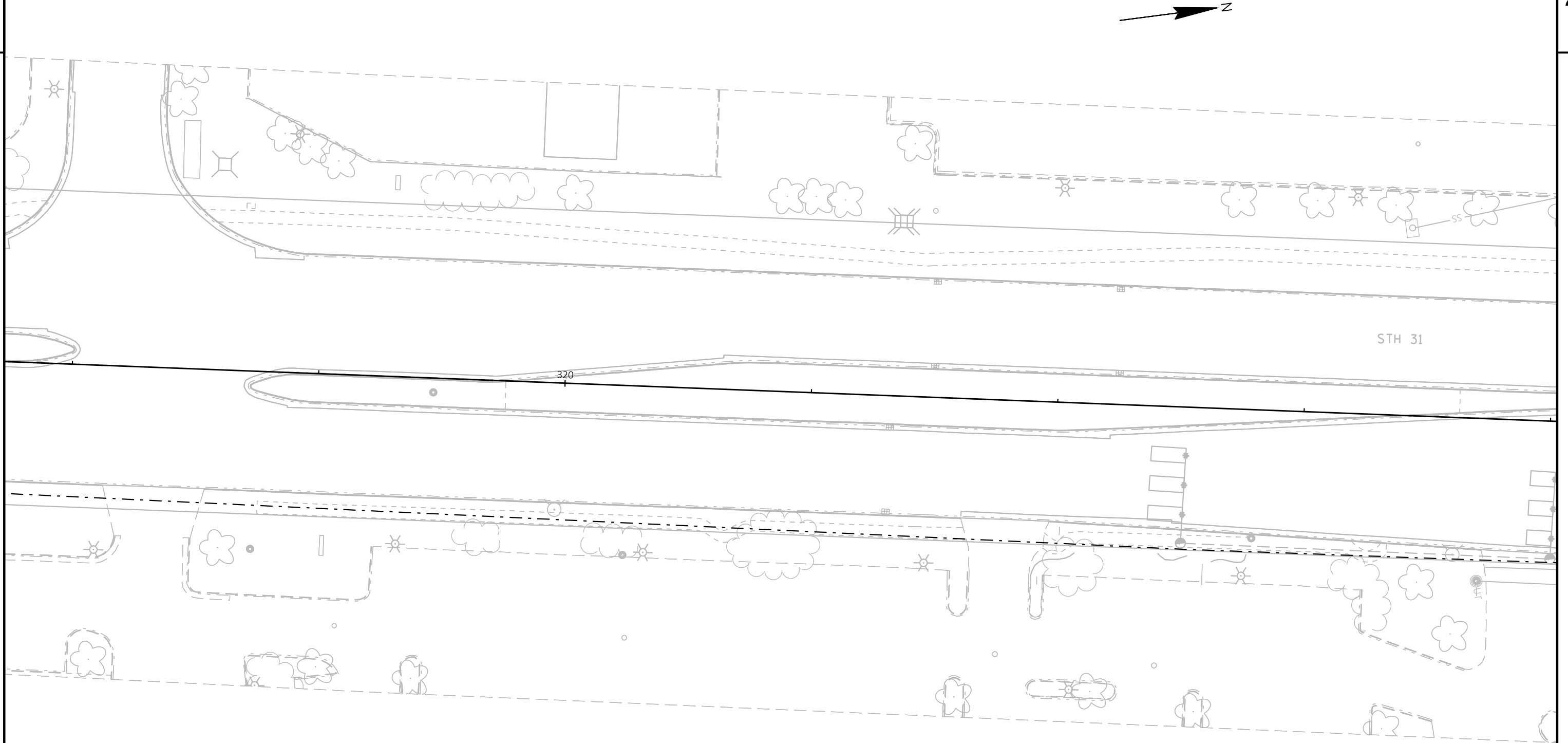
HWY: STH 31

COUNTY: KENOSHA

TRAFFIC SIGNAL INTERCONNECT PLAN

SHEET

E



TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY

SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566

REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY:

PAGE 4 OF 22

PROJECT NO: 3330-07-70

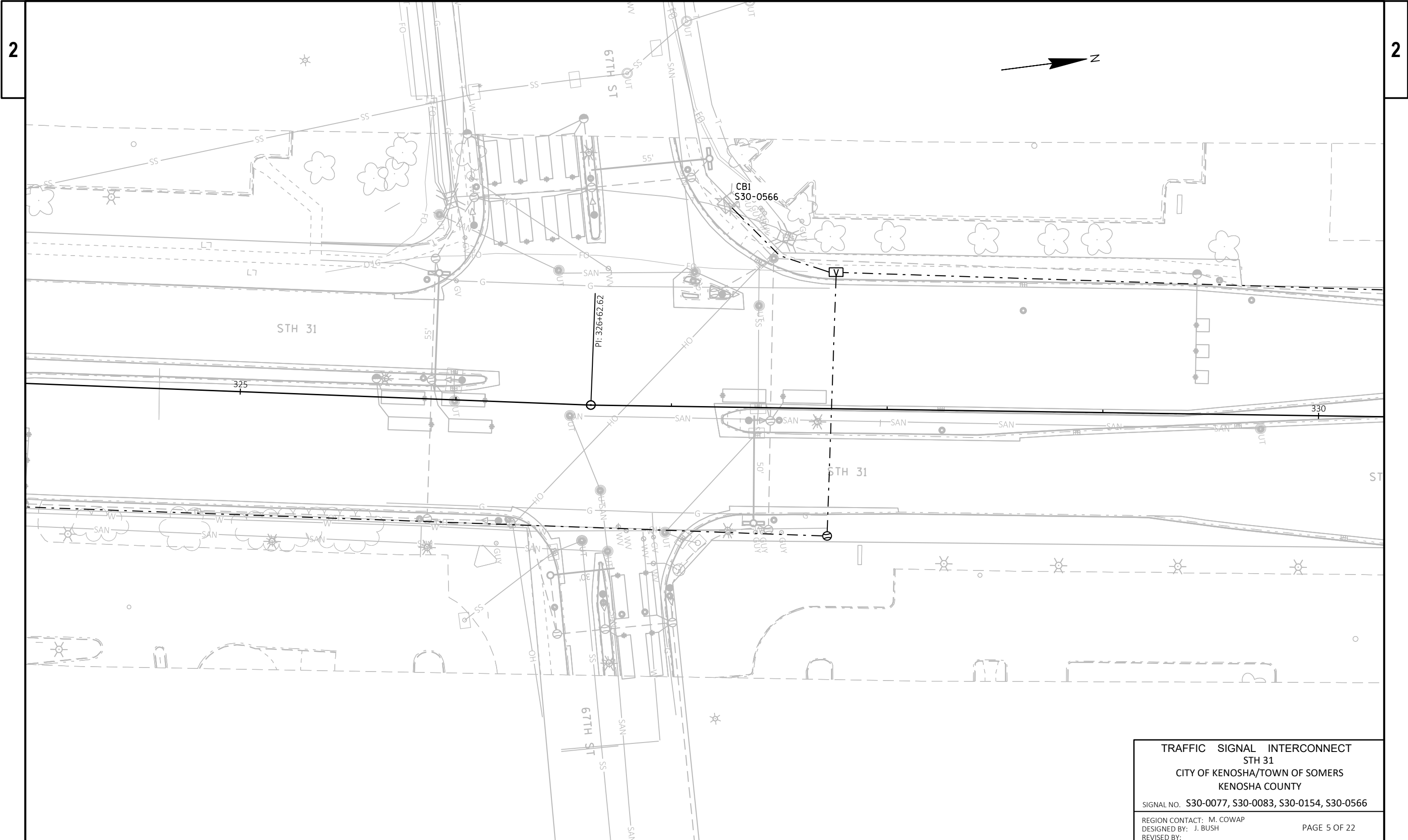
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COUNTY: KENOSHA

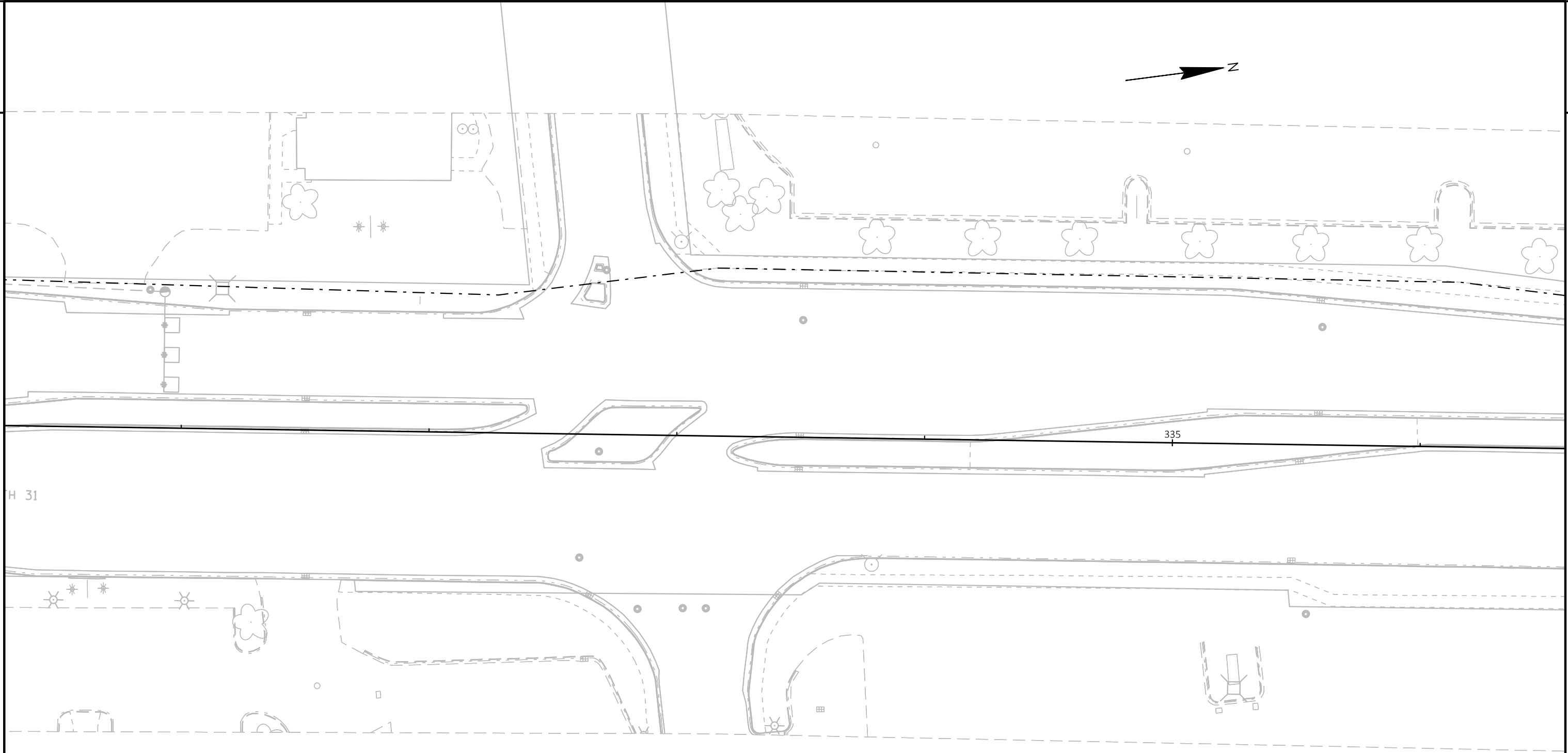
TRAFFIC SIGNAL INTERCONNECT PLAN

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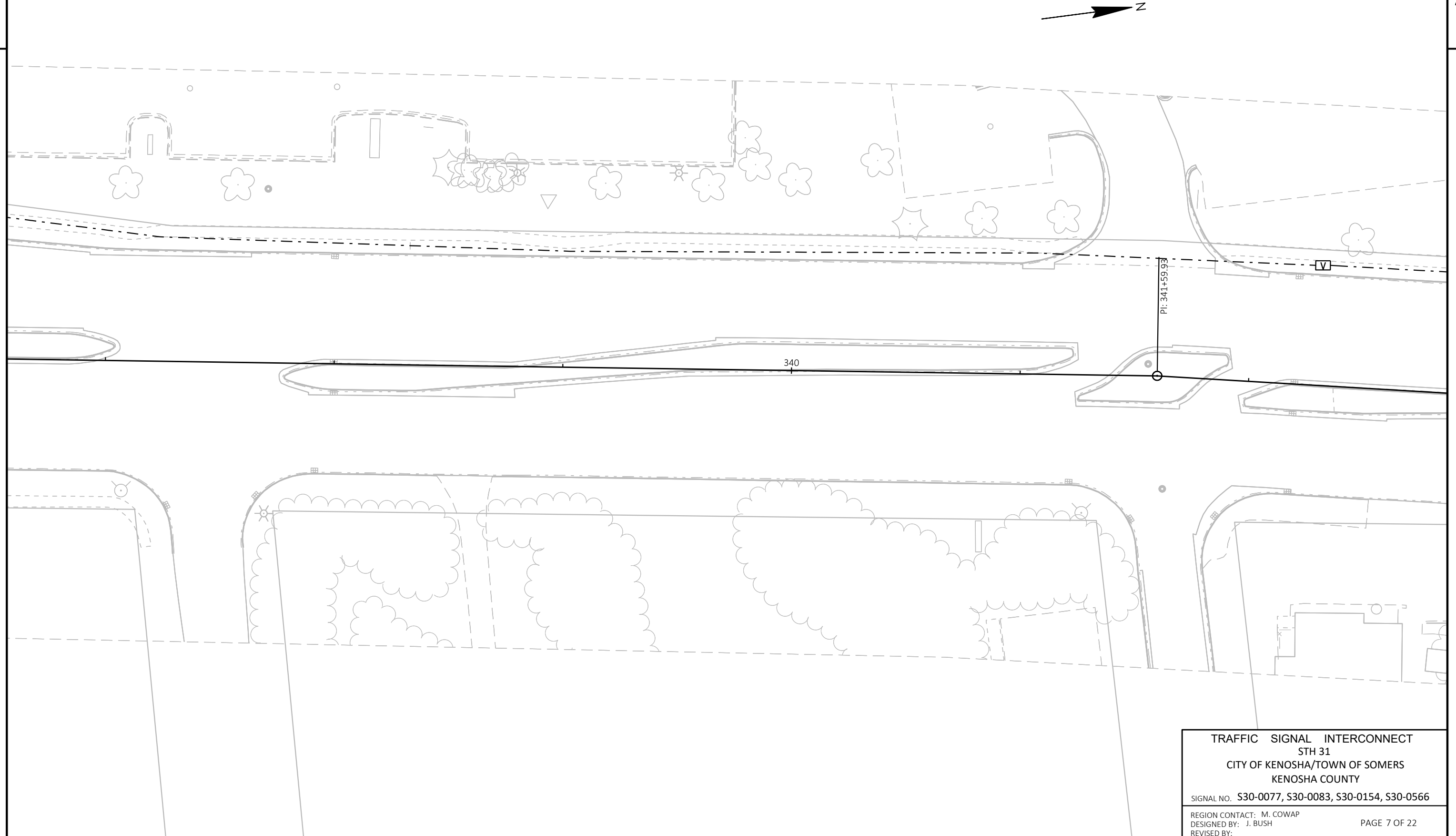
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TRAFFIC SIGNAL INTERCONNECT	
STH 31	
CITY OF KENOSHA/TOWN OF SOMERS	
KENOSHA COUNTY	
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566	
REGION CONTACT: M. COWAP	PAGE 5 OF 22
DESIGNED BY: J. BUSH	
REVISED BY:	

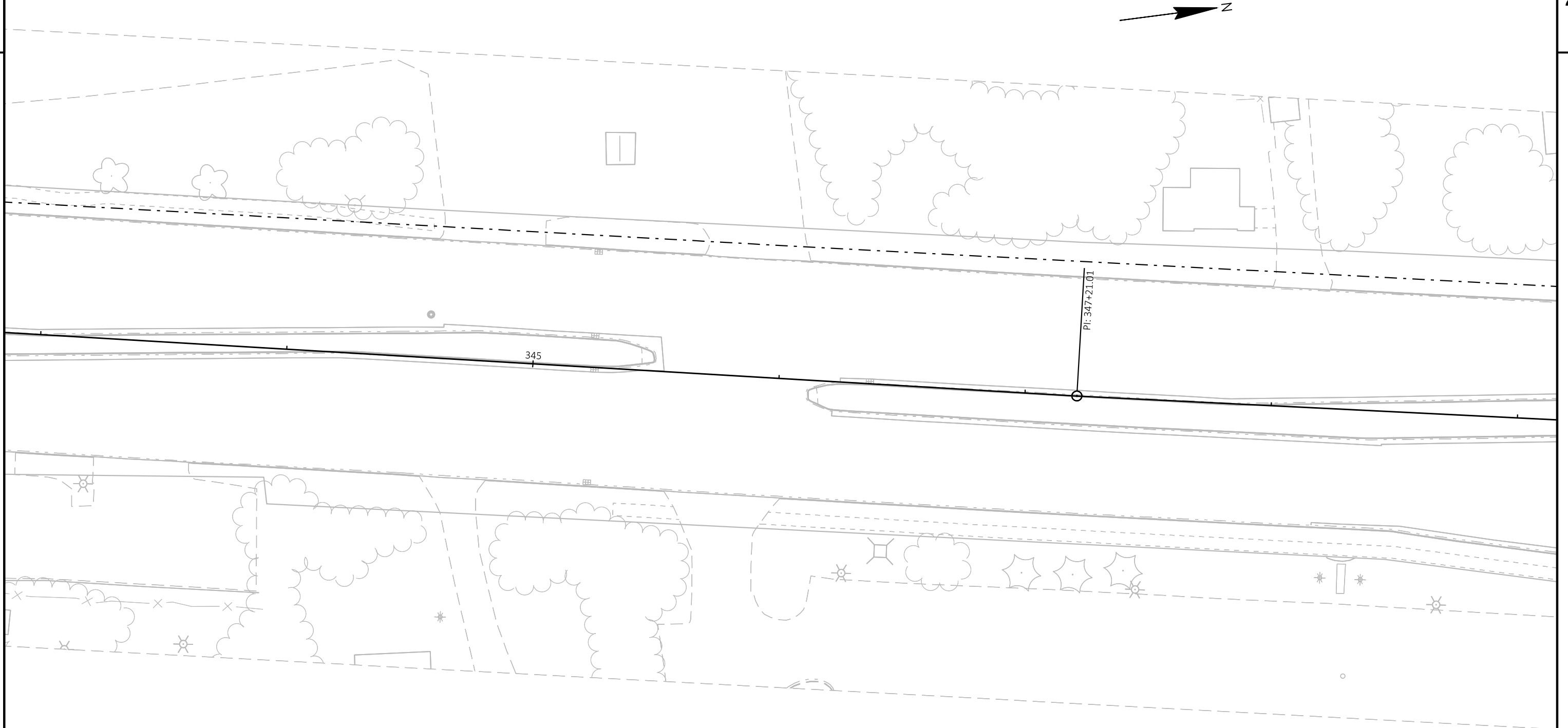


TRAFFIC SIGNAL INTERCONNECT	
STH 31	
CITY OF KENOSHA/TOWN OF SOMERS	
KENOSHA COUNTY	
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566	
REGION CONTACT: M. COWAP	PAGE 6 OF 22
DESIGNED BY: J. BUSH	
REVISED BY:	



TRAFFIC SIGNAL INTERCONNECT	
STH 31	
CITY OF KENOSHA/TOWN OF SOMERS	
KENOSHA COUNTY	
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566	
REGION CONTACT: M. COWAP	PAGE 7 OF 22
DESIGNED BY: J. BUSH	
REVISED BY:	

PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET	E
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TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY

SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566

REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY:

PAGE 8 OF 22

PROJECT NO: 3330-07-70

HWY: STH 31

COUNTY: KENOSHA

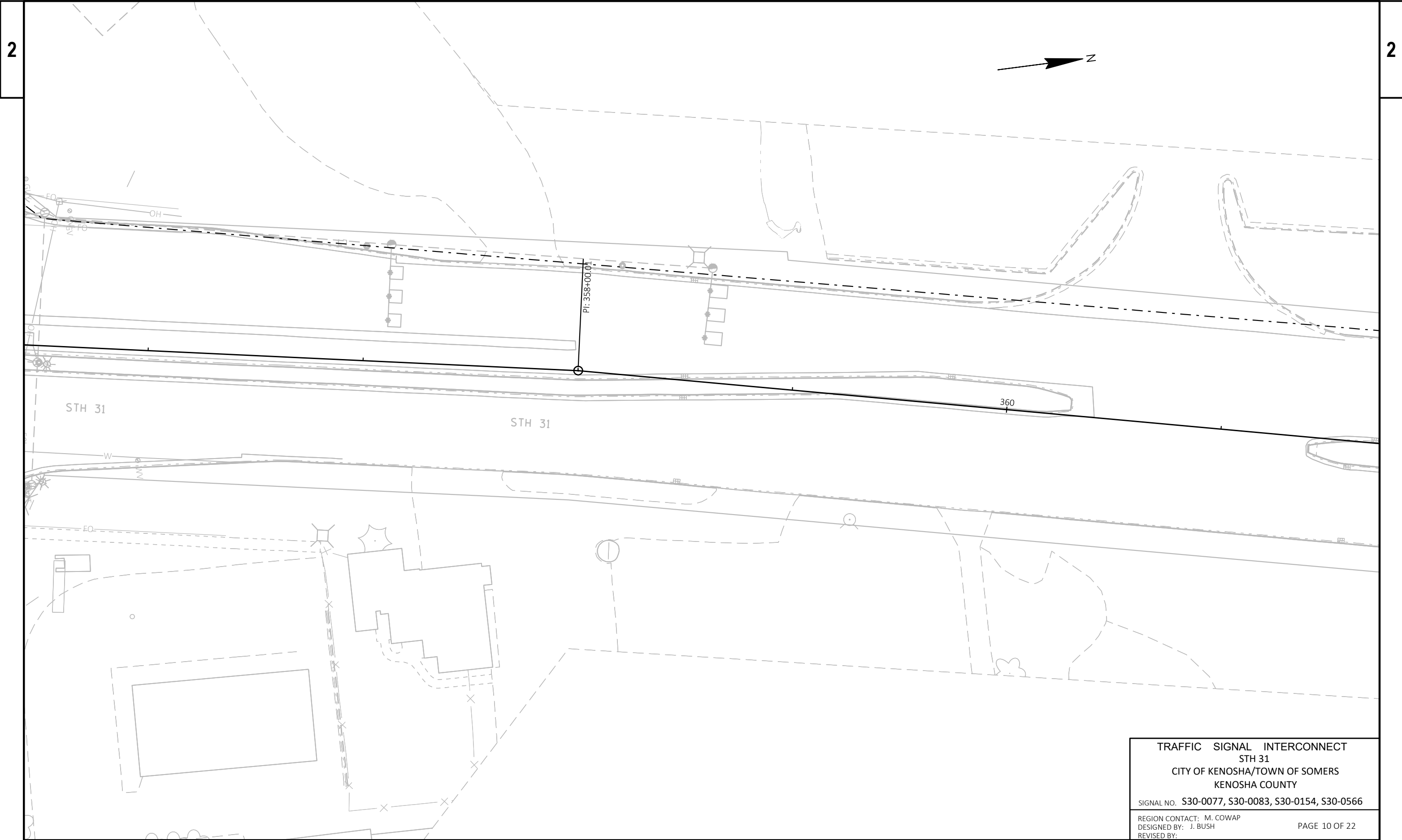
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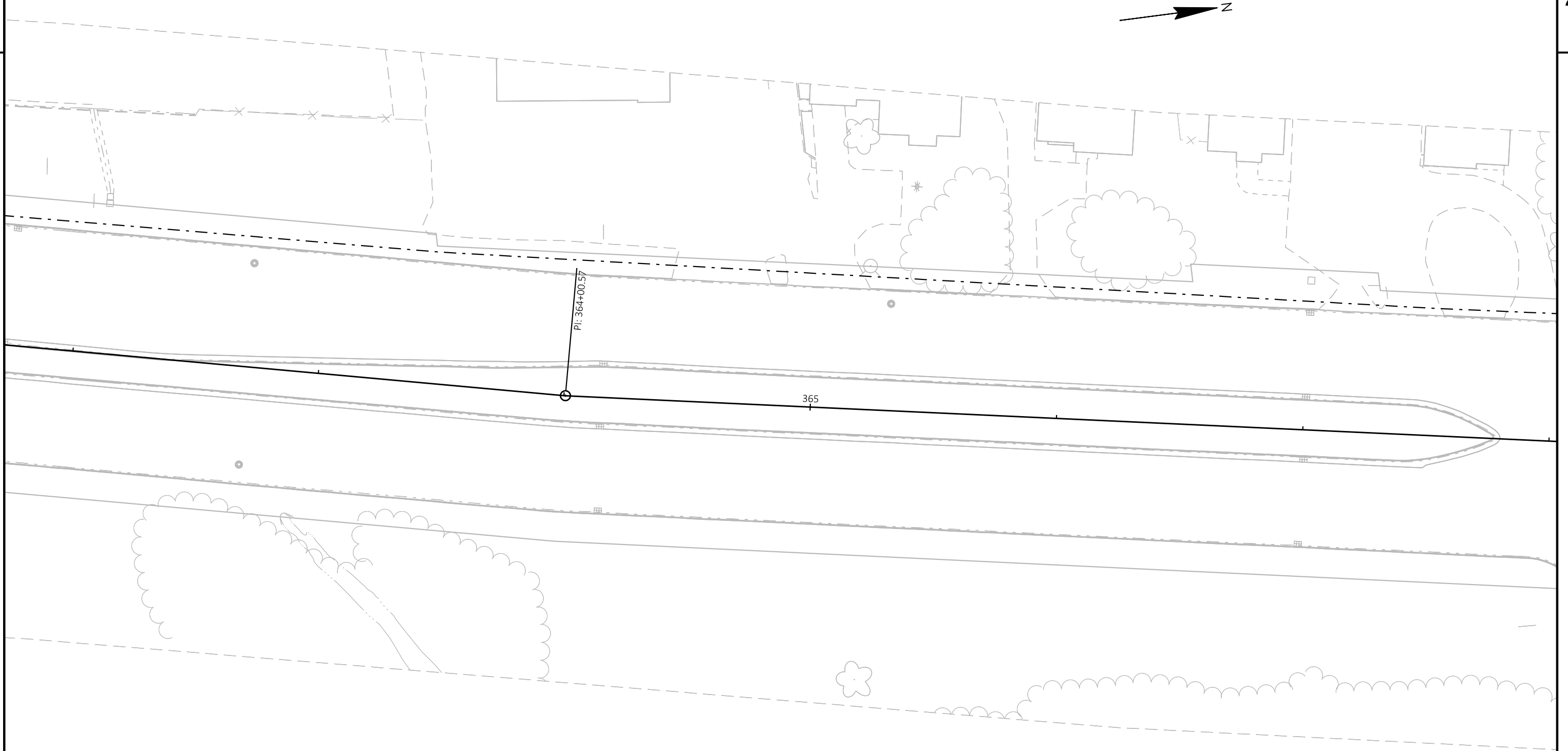
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TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566
REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY:
PAGE 9 OF 22





TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY

SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566

REGION CONTACT: M. COWAP

DESIGNED BY: J. BUSH

REVISED BY:

PAGE 11 OF 22

PROJECT NO: 3330-07-70

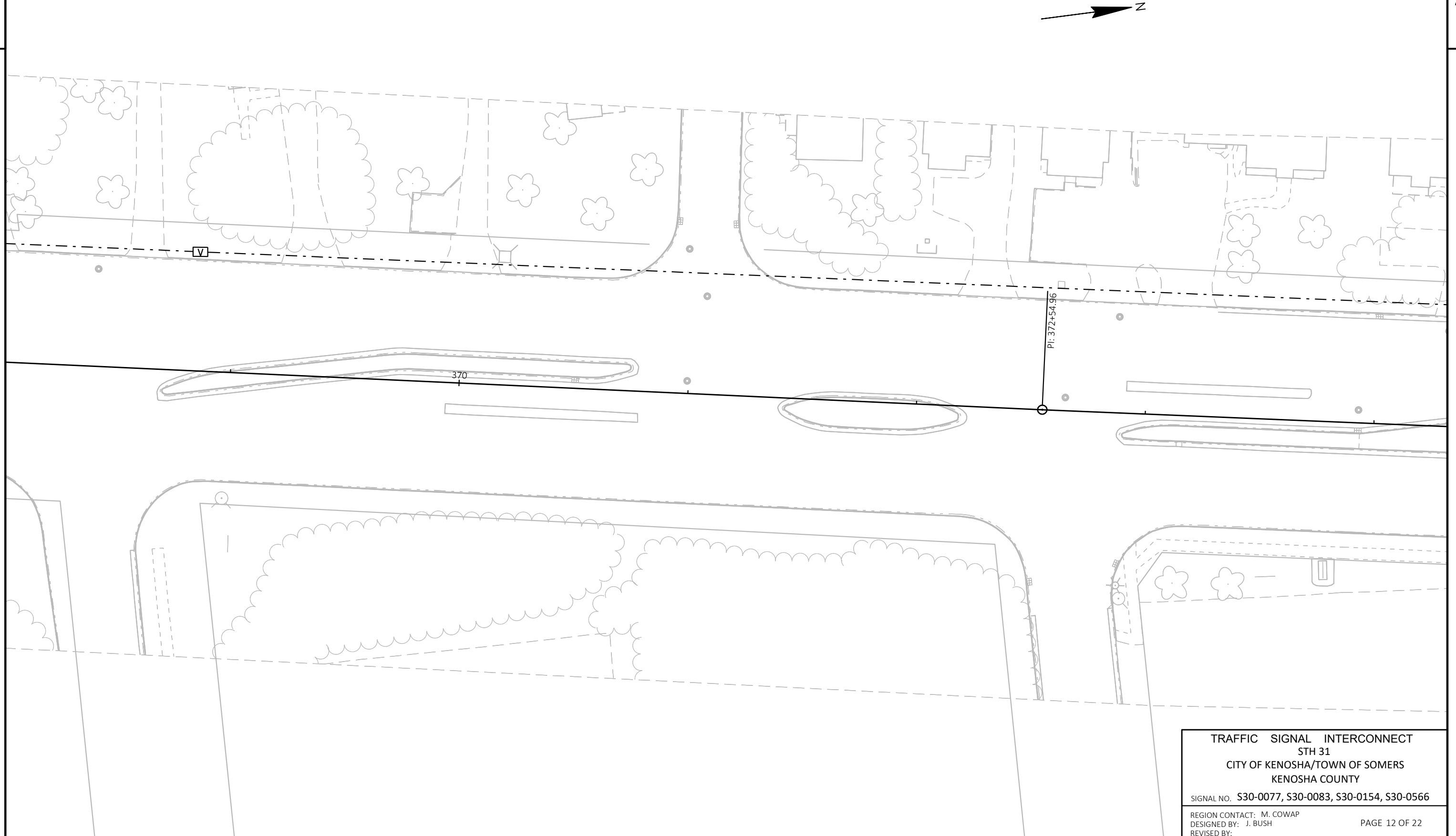
HWY: STH 31

COUNTY: KENOSHA

TRAFFIC SIGNAL INTERCONNECT PLAN

SHEET

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PROJECT NO: 3330-07-70

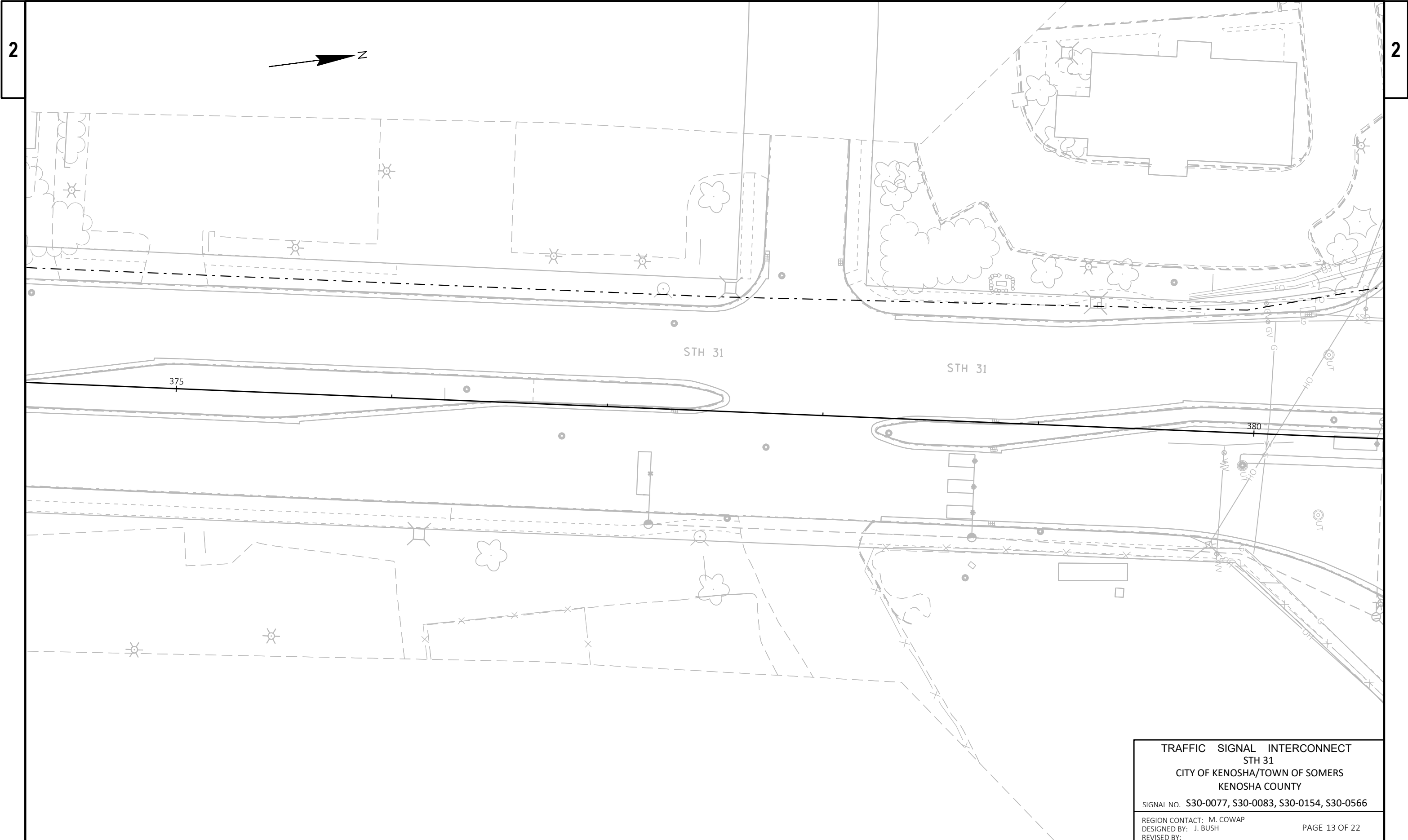
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COUNTY: KENOSHA

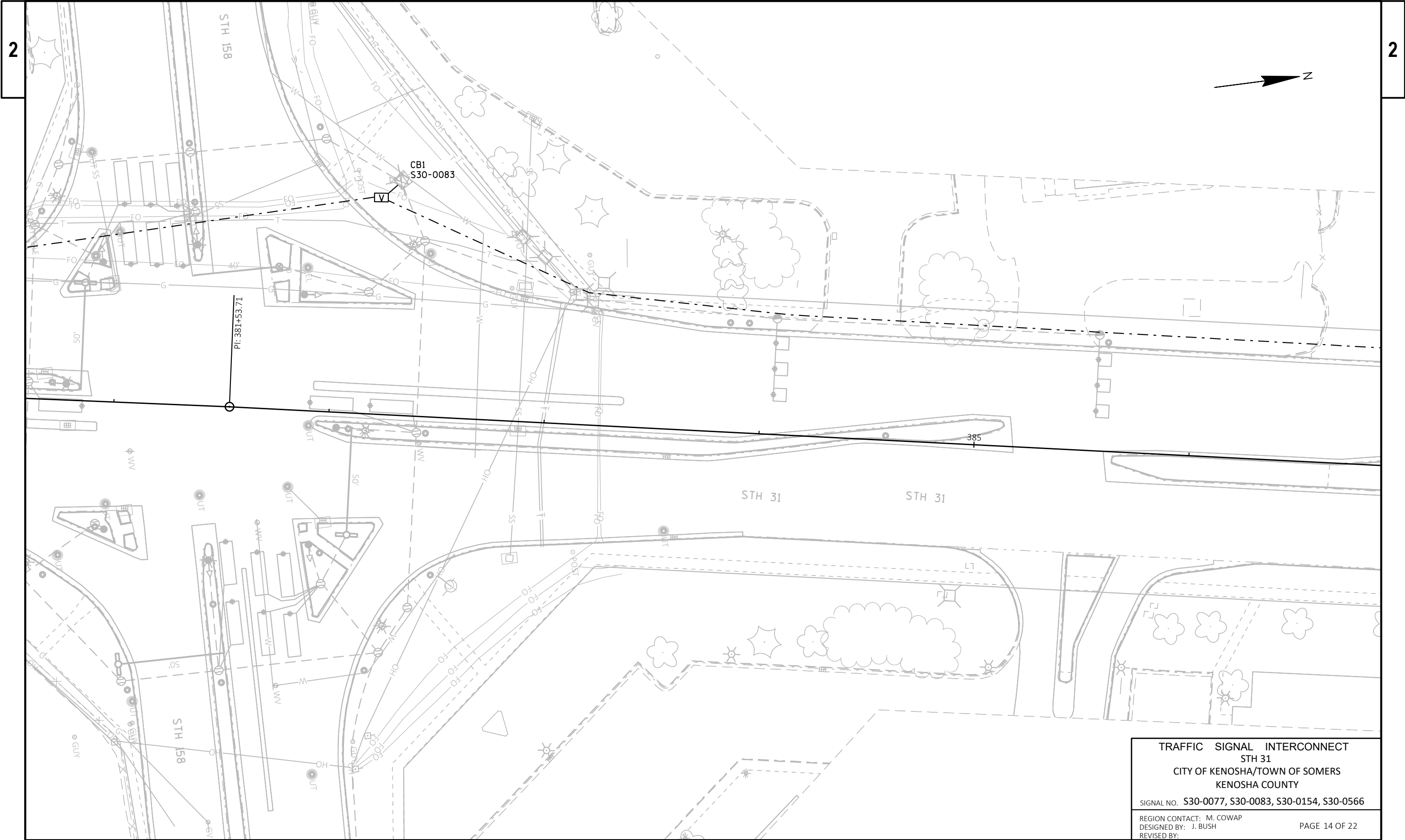
TRAFFIC SIGNAL INTERCONNECT PLAN

SHEET

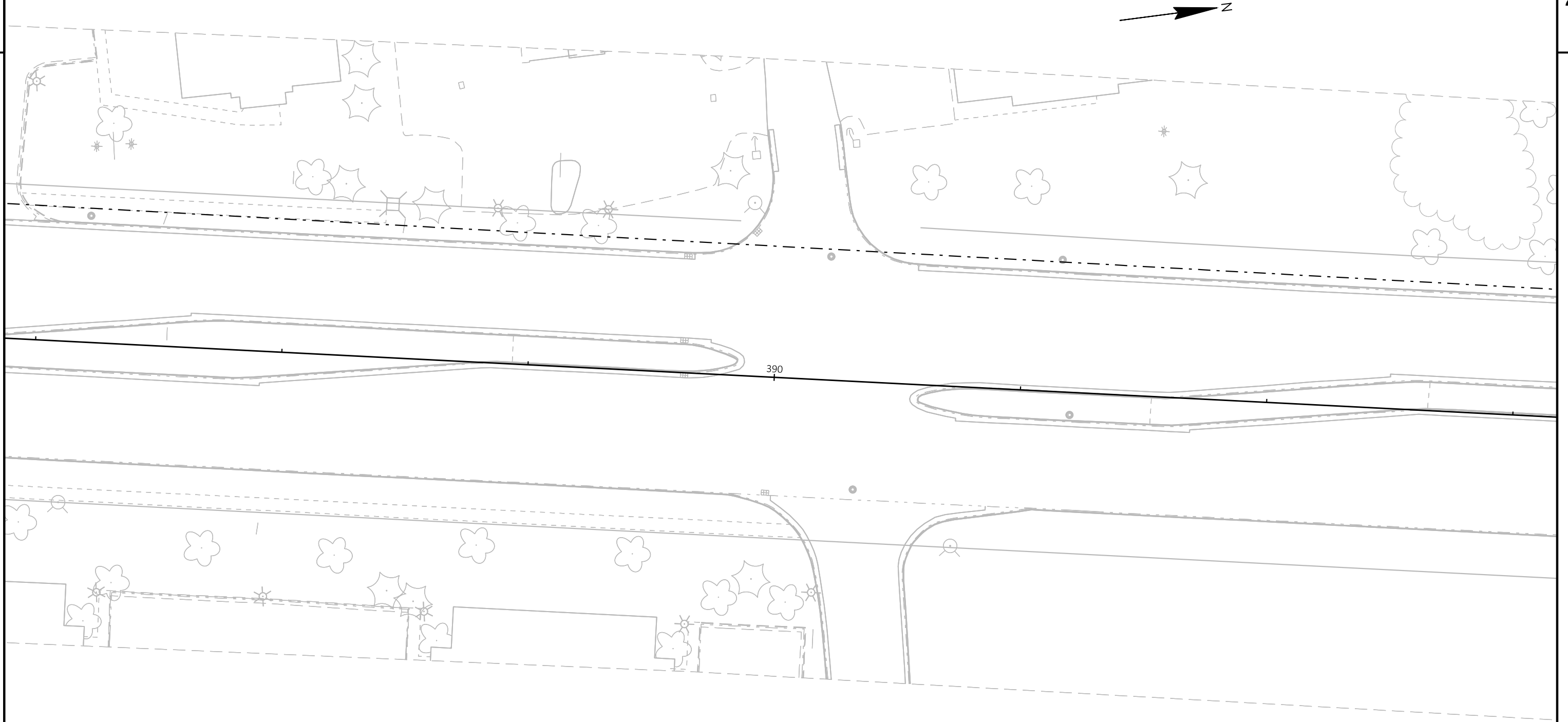
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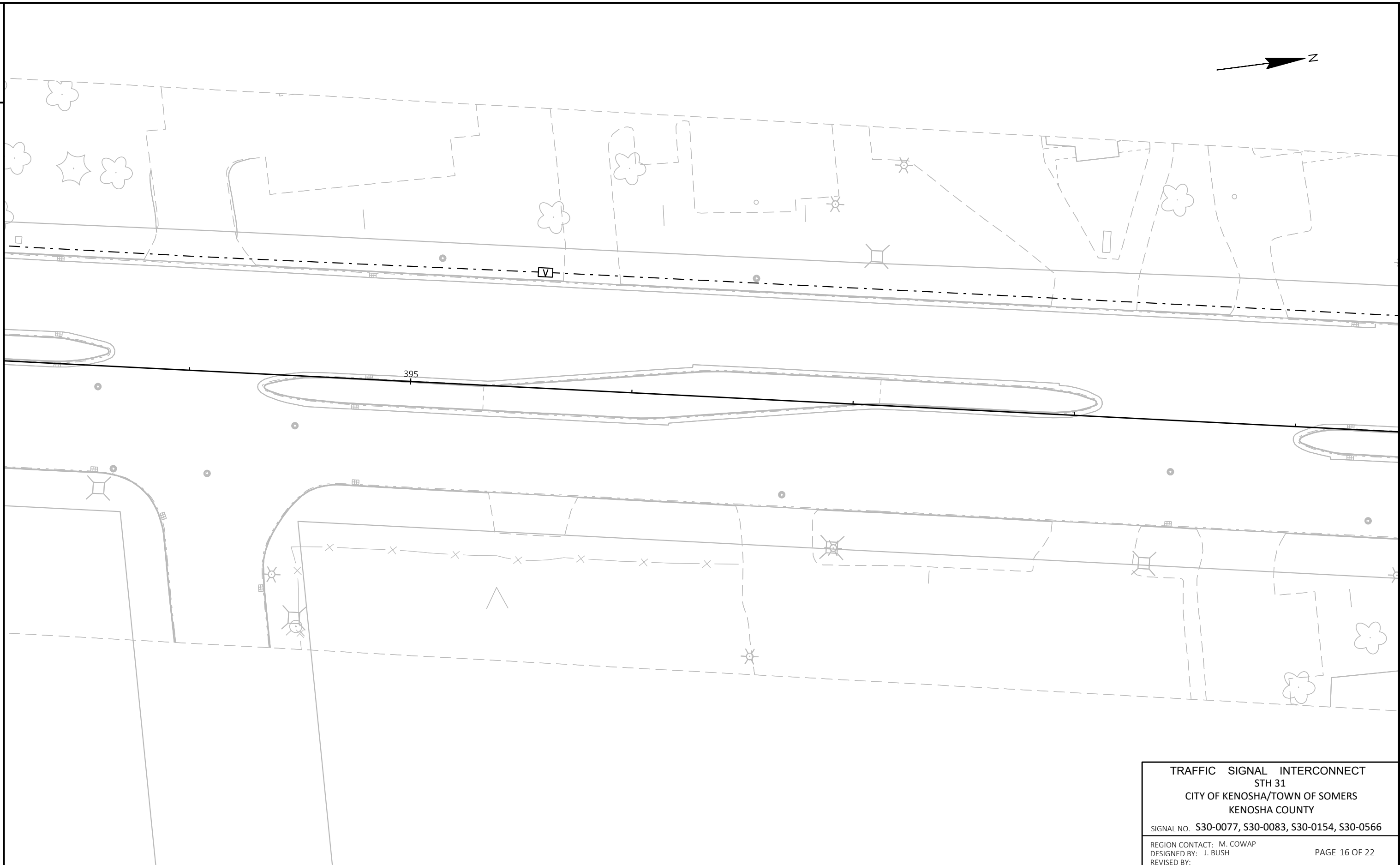
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STH 31	
CITY OF KENOSHA/TOWN OF SOMERS	
KENOSHA COUNTY	
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566	
REGION CONTACT: M. COWAP	PAGE 13 OF 22
DESIGNED BY: J. BUSH	
REVISED BY:	

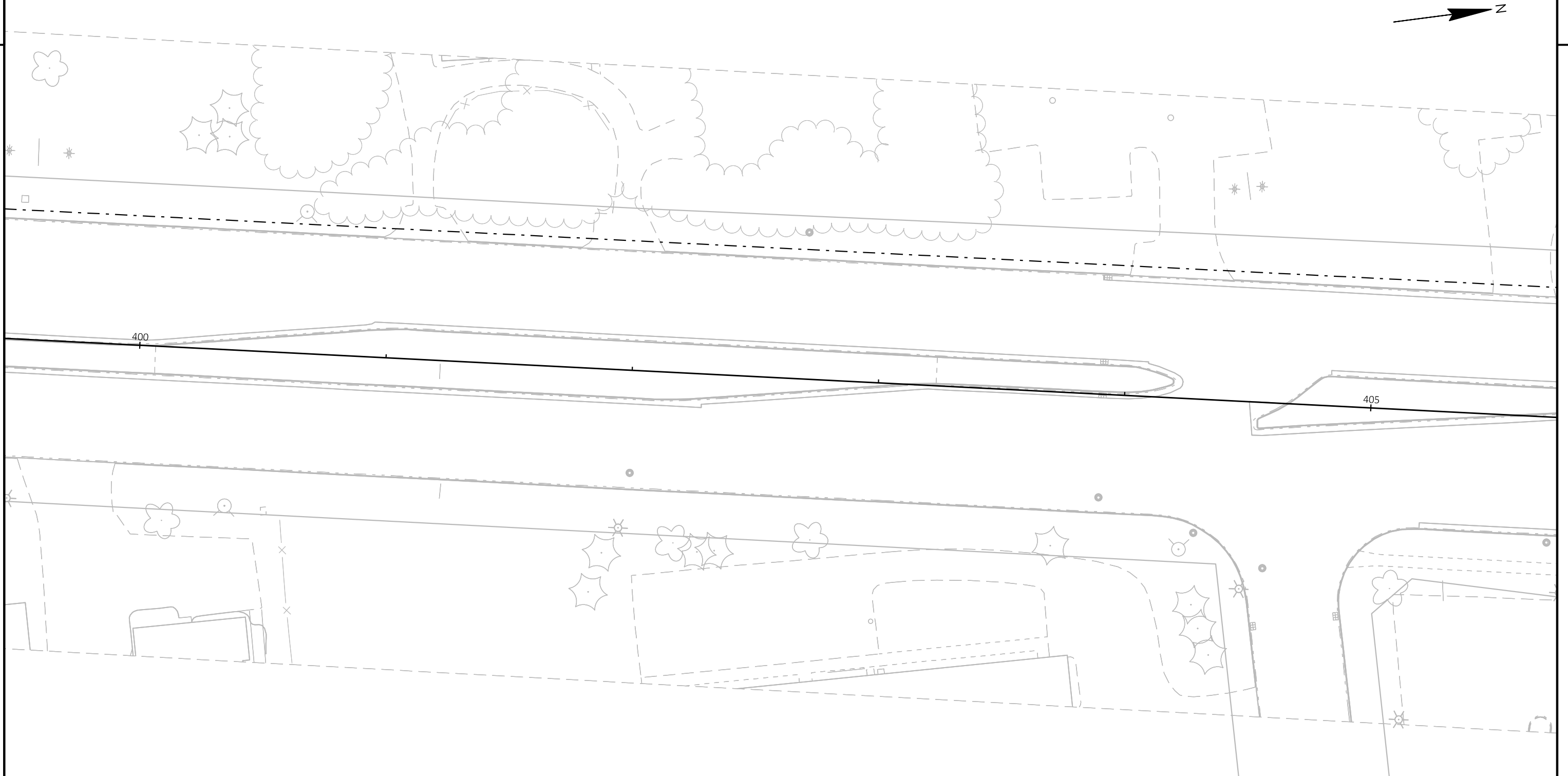


TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566
REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY: PAGE 14 OF 22



TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566
REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY:





TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY

SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566

REGION CONTACT: M. COWAP

DESIGNED BY: J. BUSH

REVISED BY:

PAGE 17 OF 22

PROJECT NO: 3330-07-70

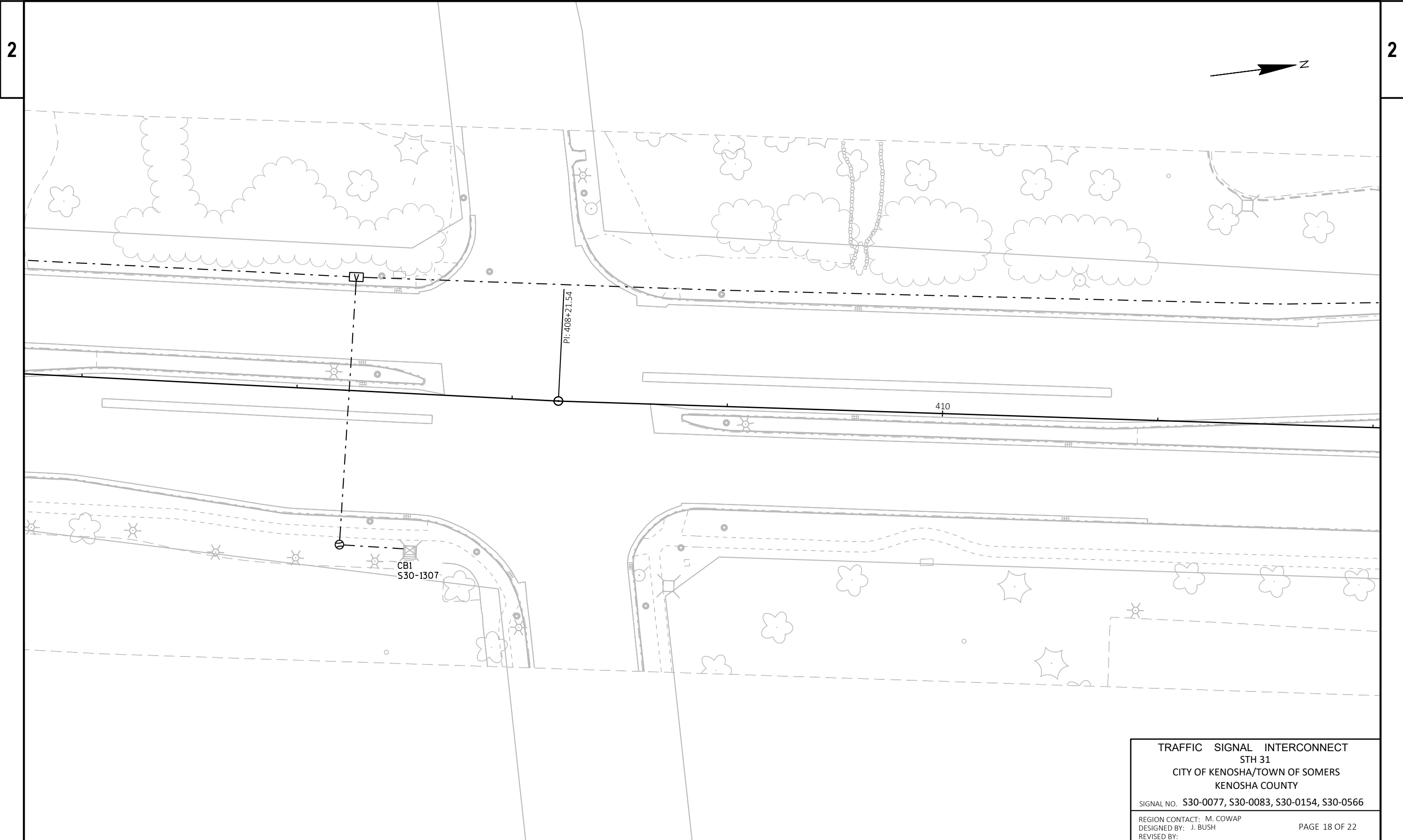
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COUNTY: KENOSHA

TRAFFIC SIGNAL INTERCONNECT PLAN

SHEET

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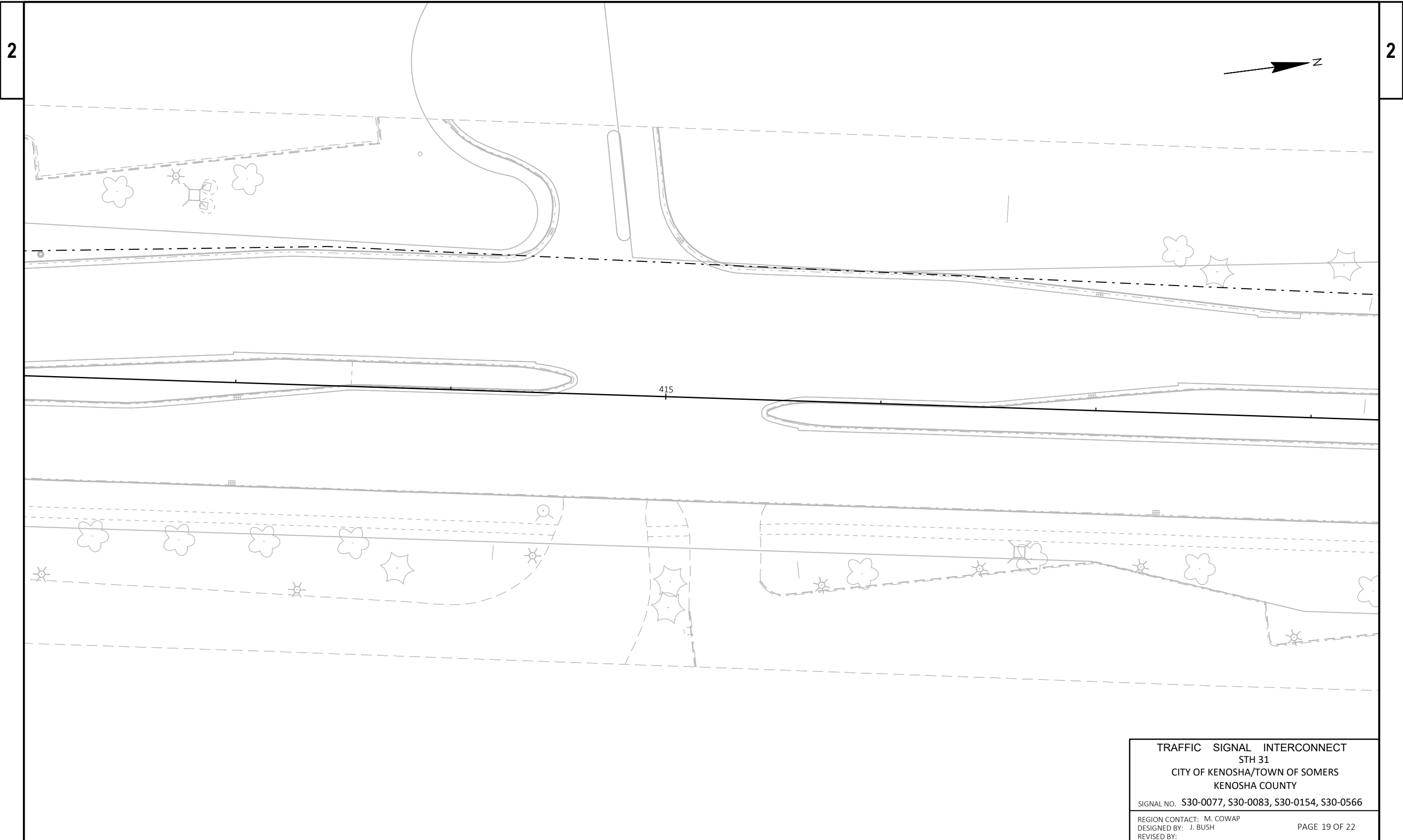
PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET	E
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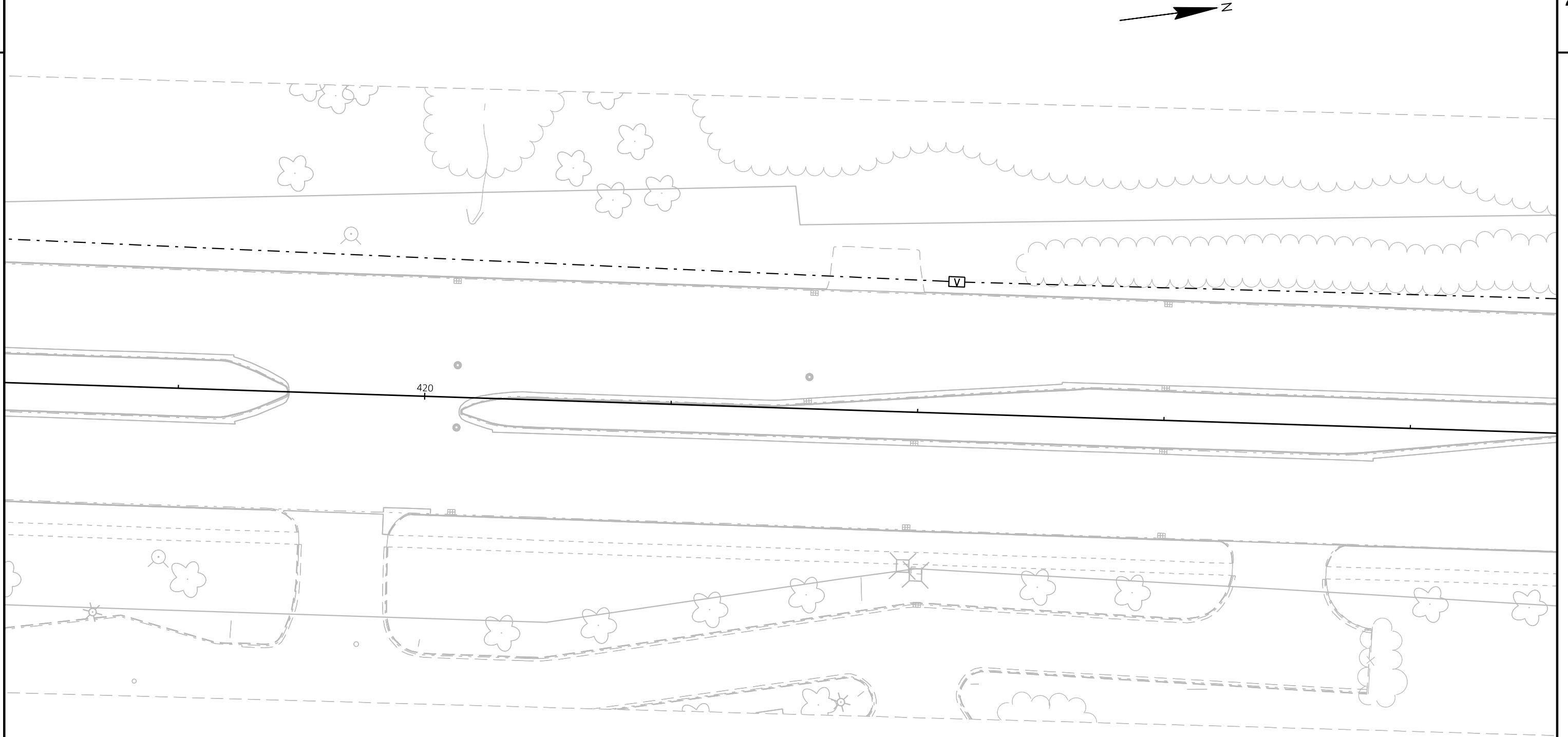
TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY

SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566

REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY:

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TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY

SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566

REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY:

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PROJECT NO: 3330-07-70

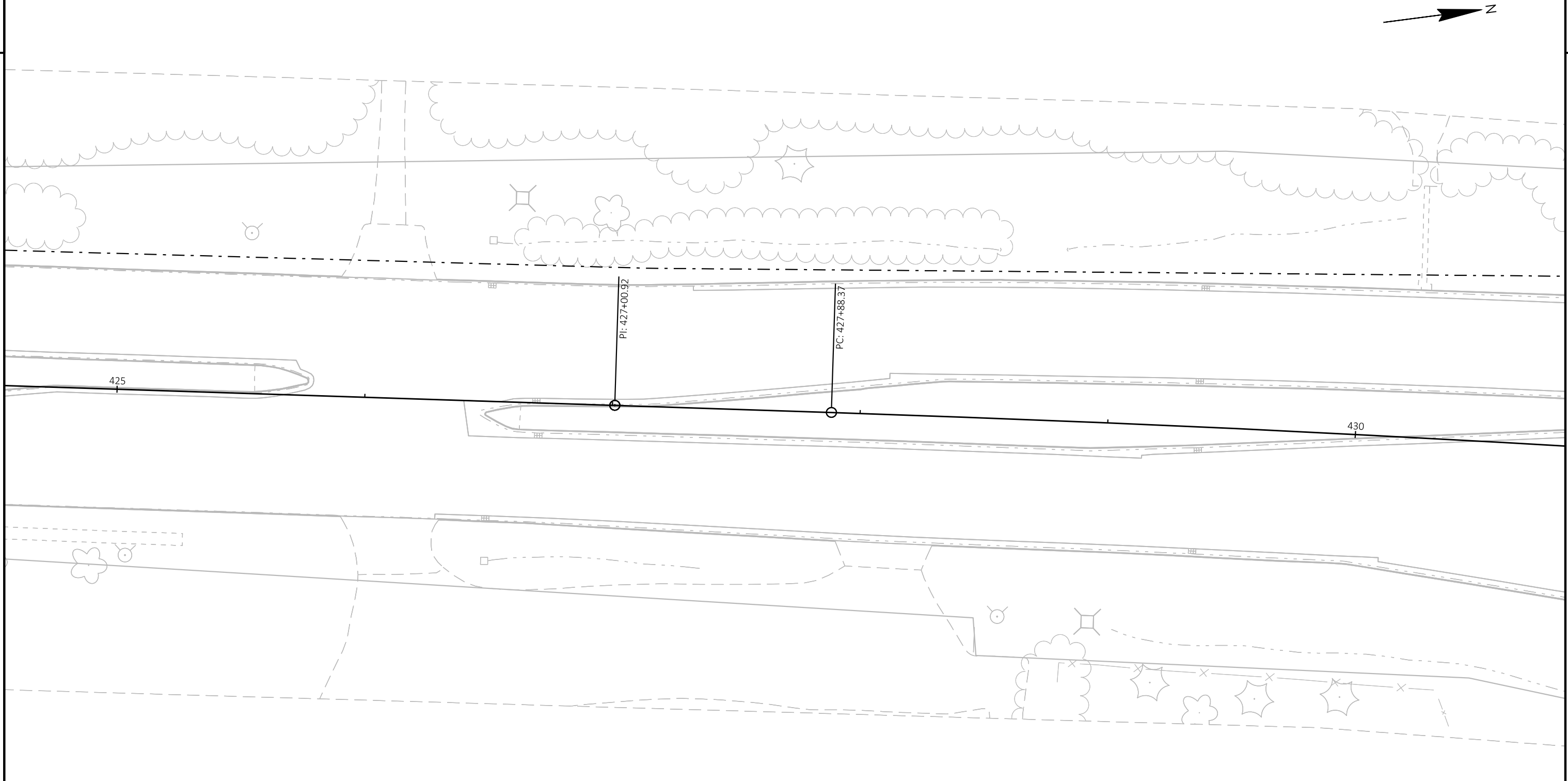
HWY: STH 31

COUNTY: KENOSHA

TRAFFIC SIGNAL INTERCONNECT PLAN

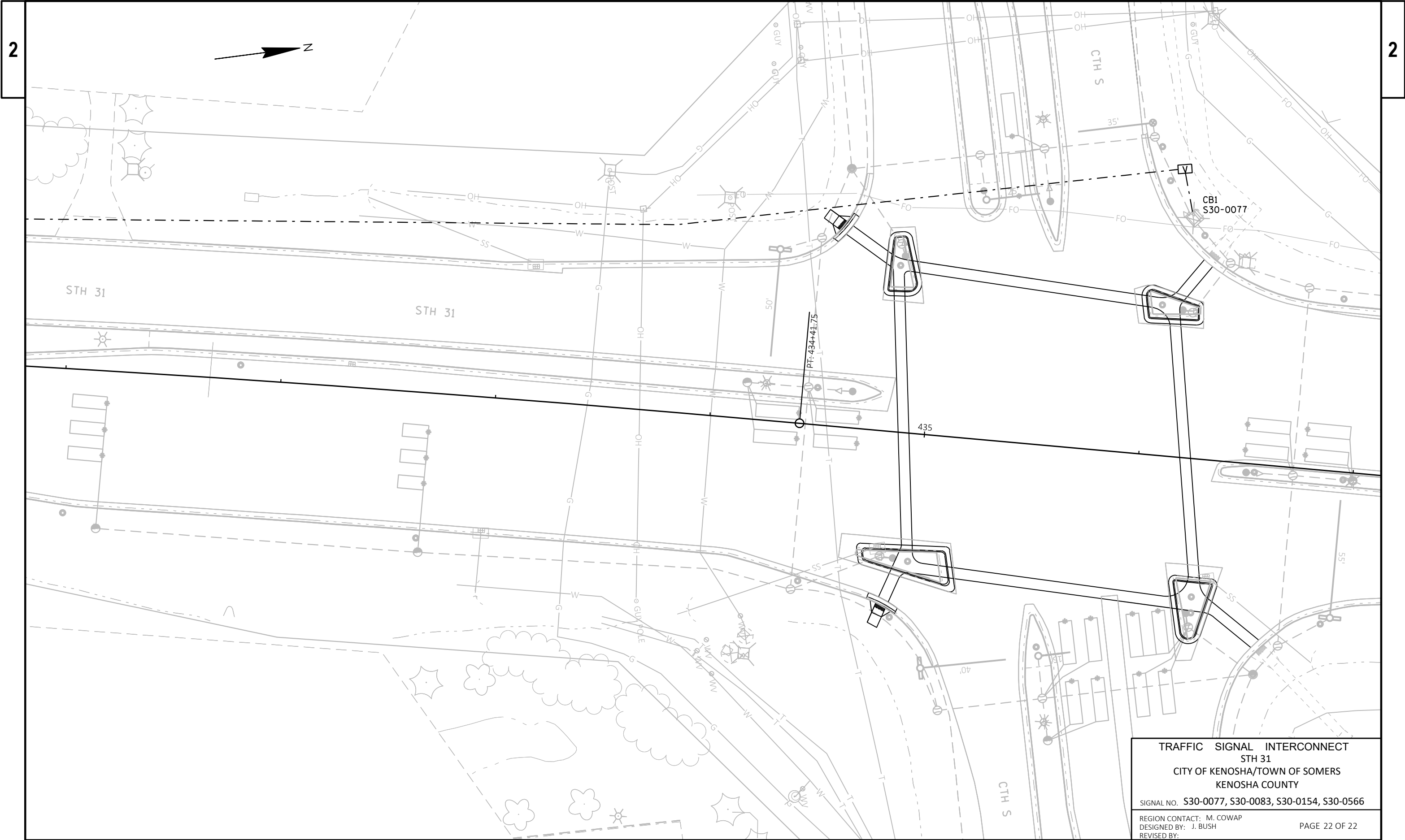
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TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY
SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566

REGION CONTACT: M. COWAP
DESIGNED BY: J. BUSH
REVISED BY:
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PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	TRAFFIC SIGNAL INTERCONNECT PLAN	SHEET	E
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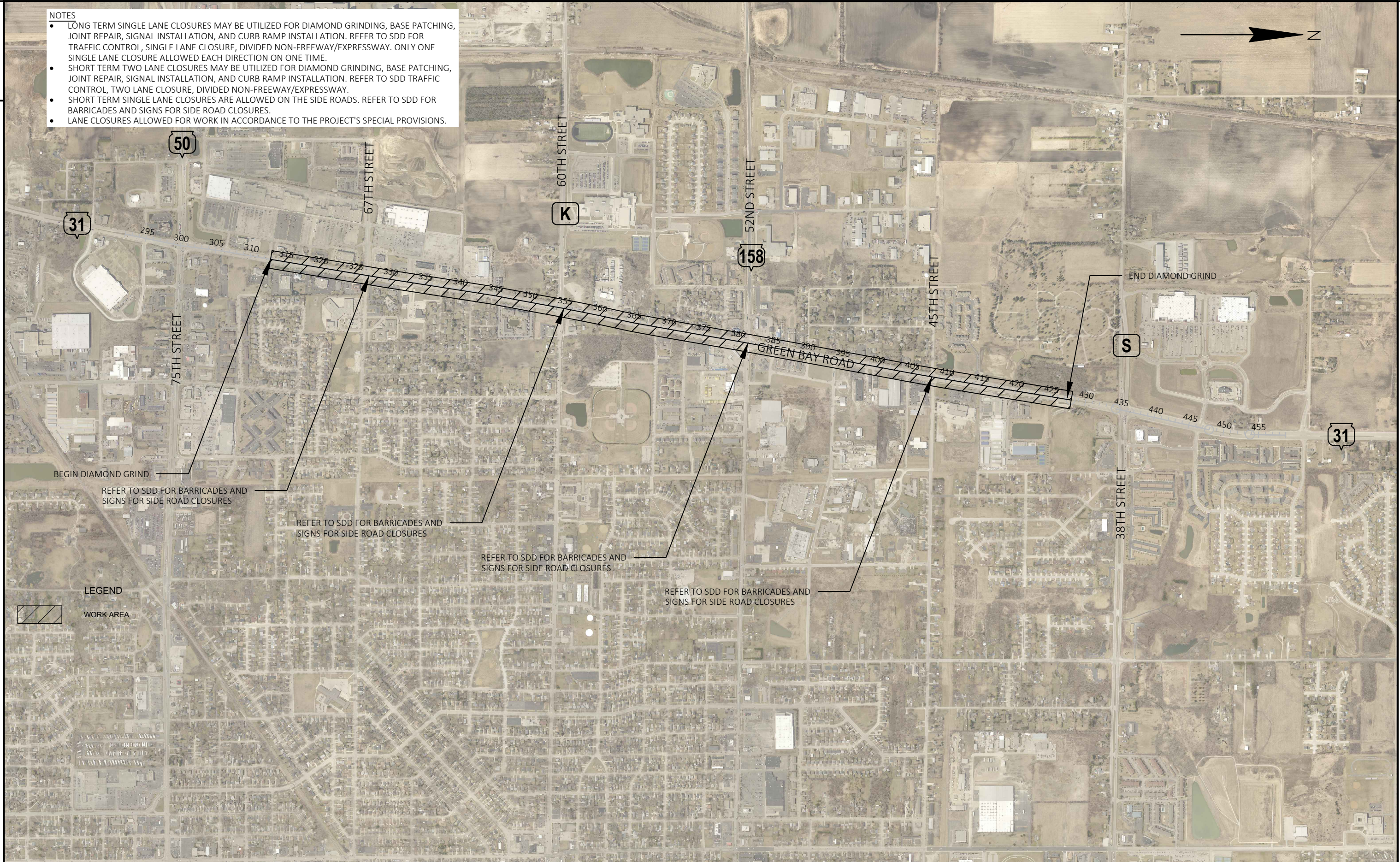
TRAFFIC SIGNAL INTERCONNECT
STH 31
CITY OF KENOSHA/TOWN OF SOMERS
KENOSHA COUNTY

SIGNAL NO. S30-0077, S30-0083, S30-0154, S30-0566

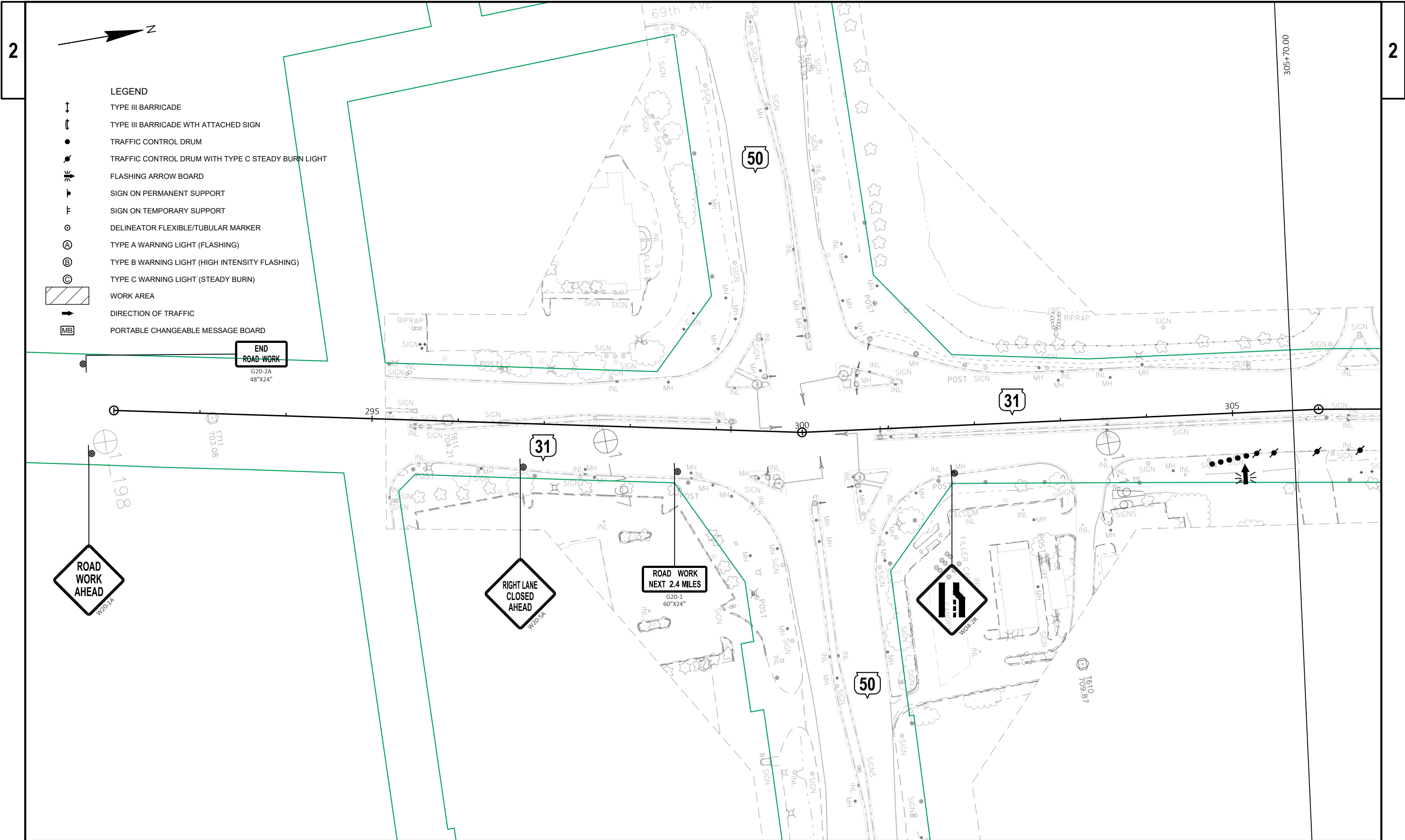
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DESIGNED BY: J. BUSH
REVISED BY:

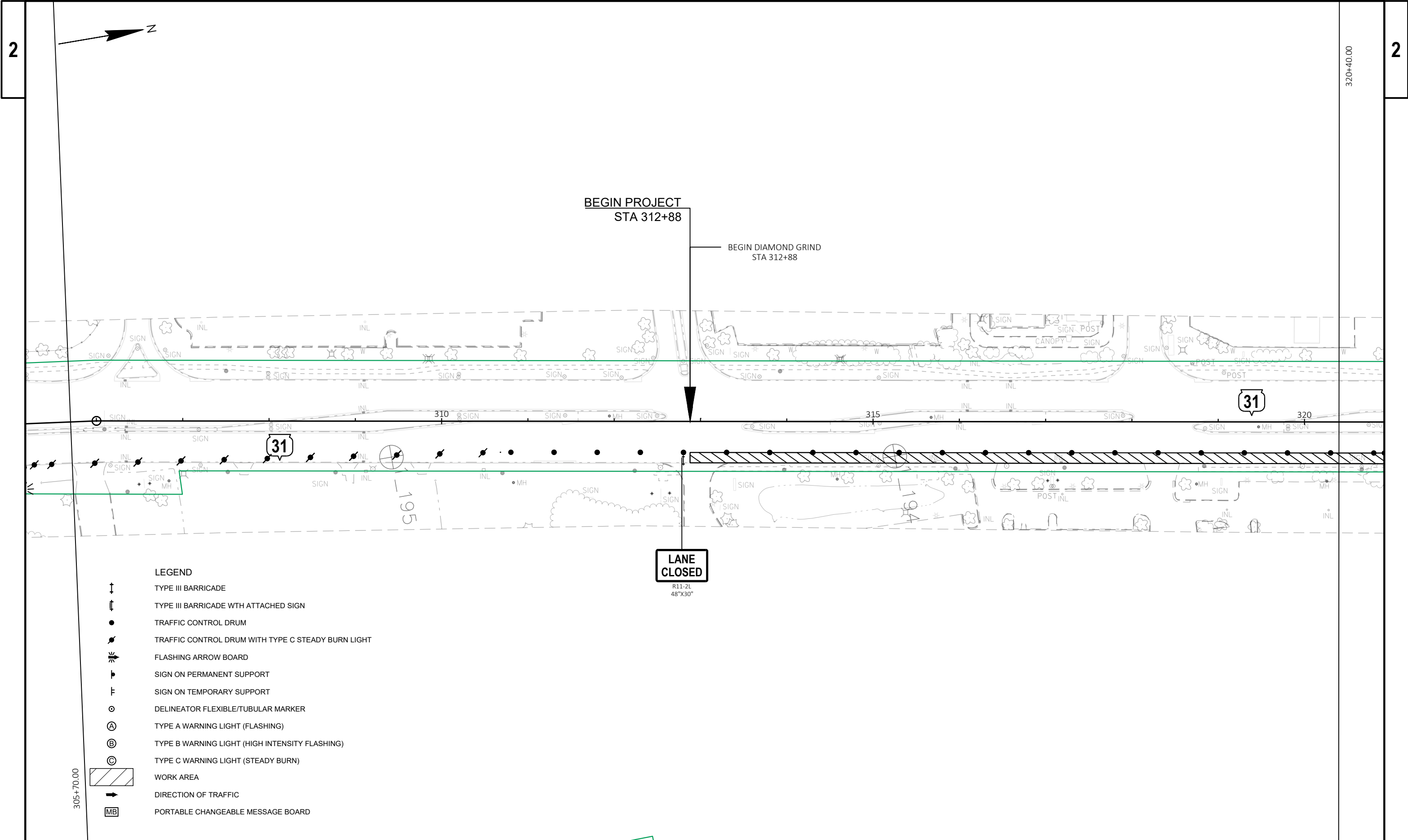
PAGE 22 OF 22

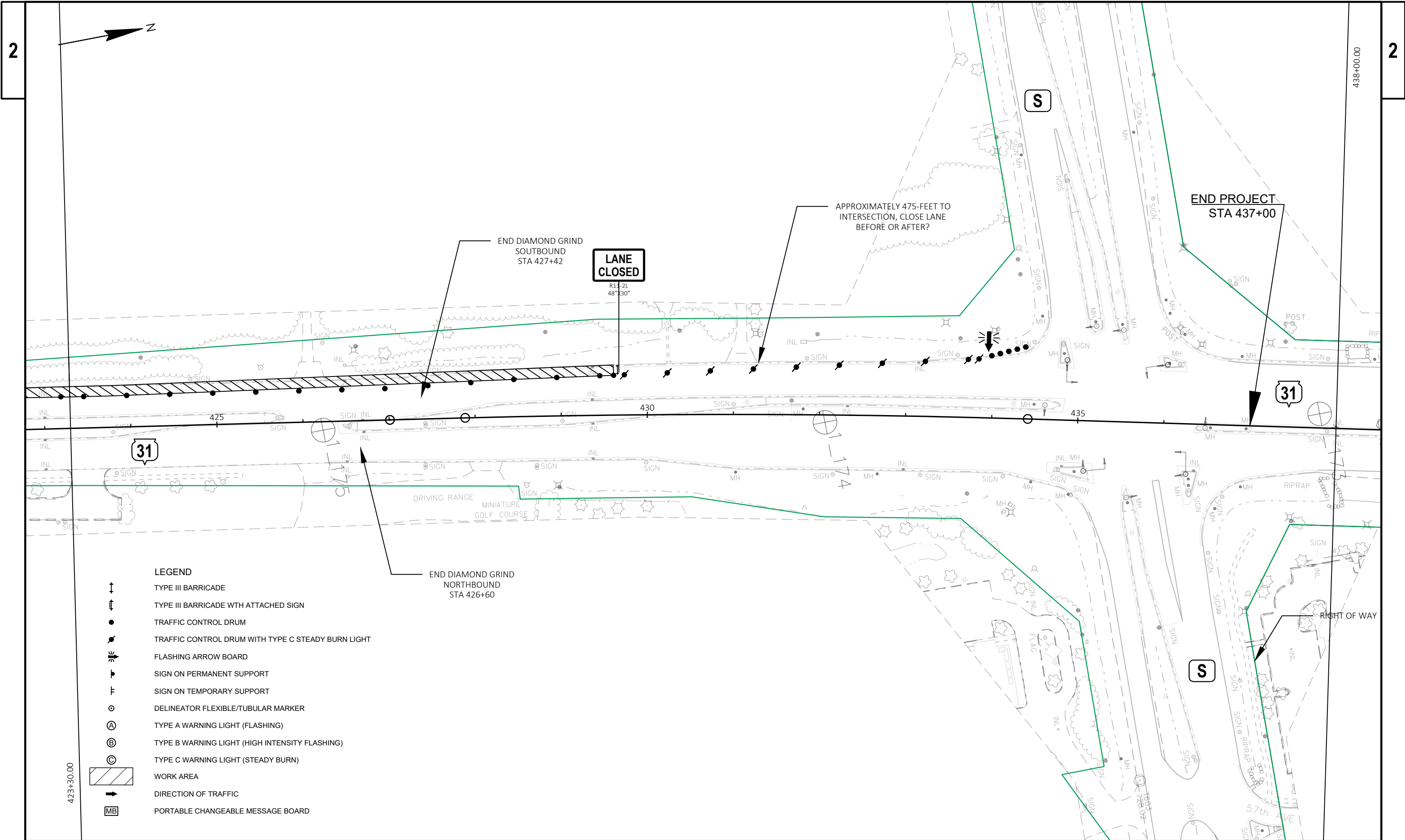
- NOTES
- LONG TERM SINGLE LANE CLOSURES MAY BE UTILIZED FOR DIAMOND GRINDING, BASE PATCHING, JOINT REPAIR, SIGNAL INSTALLATION, AND CURB RAMP INSTALLATION. REFER TO SDD FOR TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY. ONLY ONE SINGLE LANE CLOSURE ALLOWED EACH DIRECTION ON ONE TIME.
 - SHORT TERM TWO LANE CLOSURES MAY BE UTILIZED FOR DIAMOND GRINDING, BASE PATCHING, JOINT REPAIR, SIGNAL INSTALLATION, AND CURB RAMP INSTALLATION. REFER TO SDD TRAFFIC CONTROL, TWO LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY.
 - SHORT TERM SINGLE LANE CLOSURES ARE ALLOWED ON THE SIDE ROADS. REFER TO SDD FOR BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES.
 - LANE CLOSURES ALLOWED FOR WORK IN ACCORDANCE TO THE PROJECT'S SPECIAL PROVISIONS.

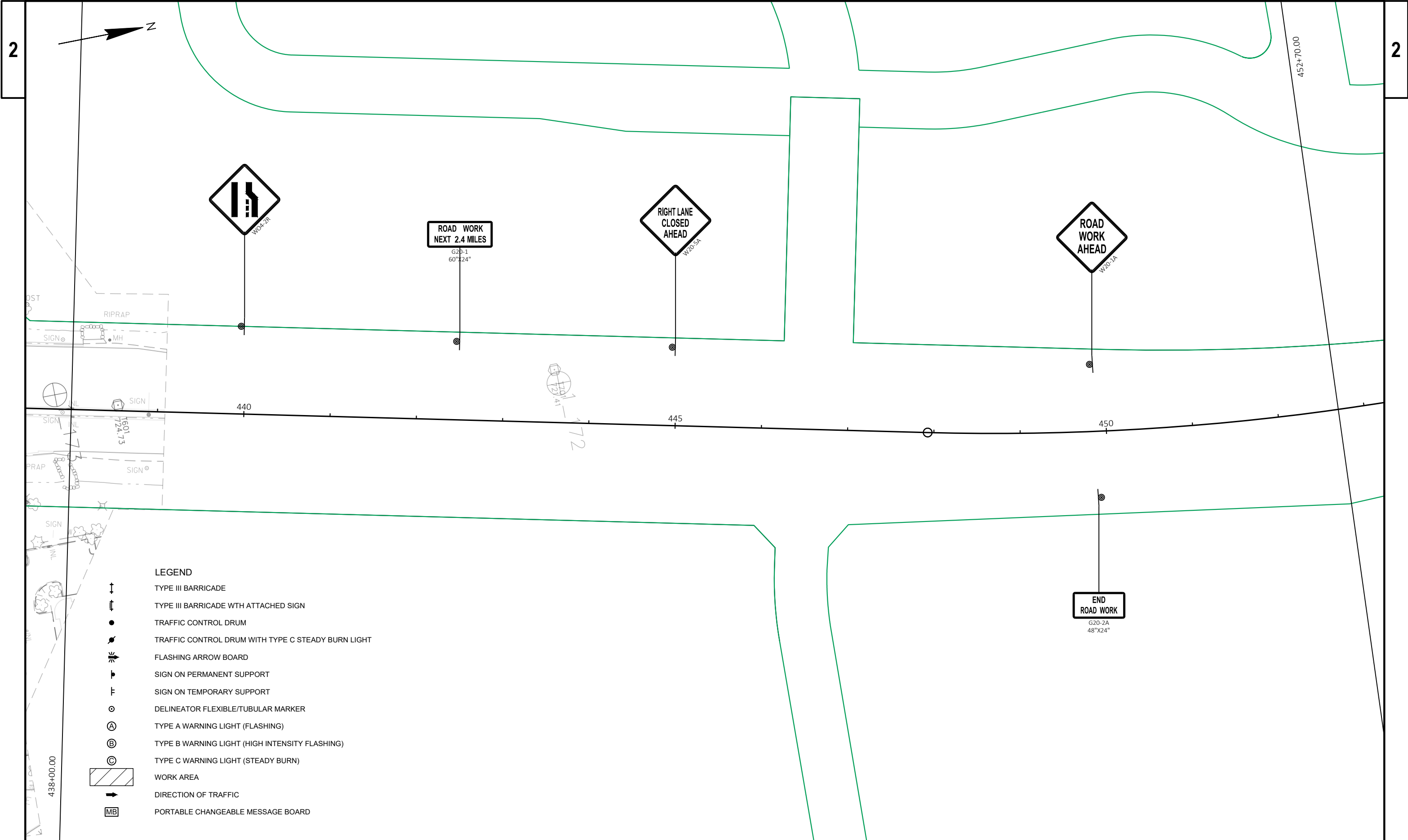


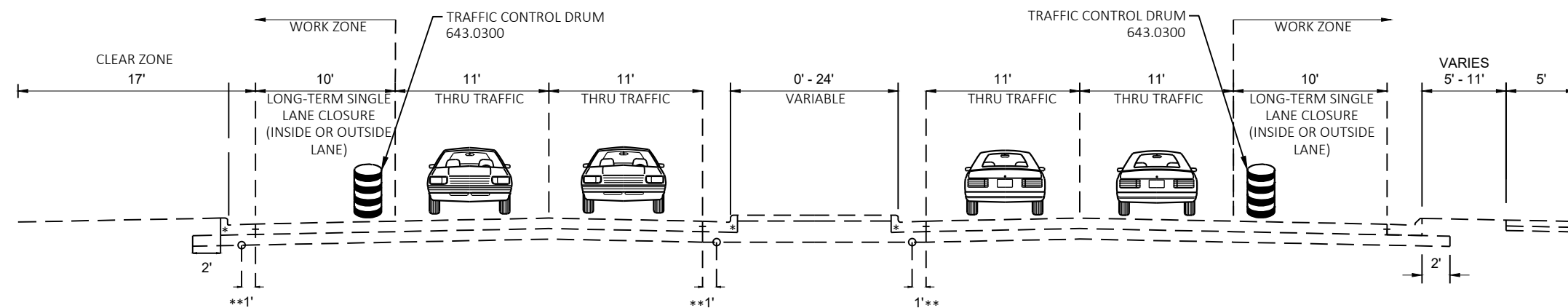
PROJECT NO: 3330-07-70	HWY: STH 31	COUNTY: KENOSHA	TRAFFIC CONTROL OVERVIEW	SHEET	E
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NOTES

- SINGLE LANE LONG TERM CLOSURE TO FOR JOINT REPAIR, BASE PATCHING, DIAMOND GRIND, SIGNAL WORK. ONLY THE INSIDE OR OUTSIDE LANE CAN BE CLOSED AT ONE TIME. REFER TO SDD FOR TRAFFIC CONTROL, SINGLE LANE CLOSURE, DIVIDED NON-FREEWAY/EXPRESSWAY.
- CENTER LANE (2-LANE CLOSURE) CAN BE CLOSED SHORT TERM OFF PEAK HOURS FOR REPAIRS. REFER TO SDD FOR TRAFFIC CONTROL, TWO LANE CLOSURE, NON-FREEWAY/EXPRESSWAY.
- FOR OTHER SDD'S THAT APPLY, REFER TO SDD FOR TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE RIGHT LANE CLOSURE, SDD FOR TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LEFT LANE CLOSURE, SDD FOR TRAFFIC CONTROL, INTERSECTION WITHIN TWO RIGHT LANE CLOSURE, AND SDD FOR TRAFFIC CONTROL, INTERSECTION WITHIN TWO LEFT LANE CLOSURE.

STAGING TYPICAL SECTION
STH 31 - NORTHBOUND / SOUTHBOUND

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 the page number in the Acrobat Status bar).

3. Re-Save the PDF

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

TO REMOVE PRELIMINARY SHEET NUMBERS