

PROJECT ID: 2773-10-70
WITH: N/A

COUNTY: WAUKESHA

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

A.A.D.T.	2019	=	45,200
A.A.D.T.	2039	=	55,400
D.H.V.		=	5,900
D.D.		=	58/42
T.		=	5.3%
DESIGN SPEED		=	50 MPH
ESALS		=	4,959,526

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	

	ROCK
	LABEL
	95.36
	CENTER RD
	RD
	MILKY WAY
	BEEHIEM RD
	OAK PARK DR
	SPRINGDALE RD
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GENERAL NOTES

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.

ANY REINFORCEMENT LOCATED IN EXISTING CONCRETE PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE REMOVING PAVEMENT ITEM, AND NO ADDITIONAL COMPENSATION WILL BE GRANTED.

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 ENGINEER. 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.

TINE CONCRETE PAVEMENT LONGITUDINALLY UNLESS OTHERWISE IDENTIFIED IN THE PLAN OR 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.

DISTURBED AREAS WITHIN THE RIGHT OF WAY ARE TO BE TOPSOILED (SALVAGED), FERTILIZED, SEEDED, AND MULCHED OR SODDED AS DIRECTED BY THE ENGINEER.

WHEN DEFINING THE PAVEMENT STRUCTURE, THE BOTTOM OF THE BASE AGGREGATE DENSE IS CONSIDERED THE SUBGRADE LINE. THE BREAKER RUN LAYER IS A SUBGRADE IMPROVEMENT.

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 4-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.

ORDER OF SECTION 2 SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- REMOVAL PLAN
- PLAN DETAILS
- INTERSECTION DETAILS
- EROSION CONTROL
- STORM SEWER
- PERMANENT SIGNING
- TRAFFIC SIGNAL PLAN
- PAVEMENT MARKING
- TRAFFIC CONTROL
- ALIGNMENT PLAN

STANDARD ABBREVIATIONS

AEW	APRON END WALL	NW	NORTHWEST
AGG	AGGREGATE	PACS	PIPE ARCH CORRUGATGED STEEL
BAD	BASE AGGREGATE DENSE	PE	PRIVATE ENTRANCE
BM	BENCHMARK	PL	PROPERTY LINE
CPCM	CULVERT PIPE CORRUGATED METAL	R/W	RIGHT-OF-WAY
CPRC	CULVERT PIPE REINFORCED CONCRETE	RDE	RESTRICTED DEVELOPMENT AREA
CWT	HUNDREDWEIGHT	REQD	REQUIRED
CY	CUBIC YARD	RT	RIGHT
EBS	EXCAVATION BELOW SUBGRADE	SDD	STANDARD DETAIL DRAWING
FE	FIELD ENTRANCE	SE	SOUTHEAST
INV	INVERT	SF	SQUARE FOOT
LB	POUND	SI	SLOPE INTERCEPT
LF	LINEAR FOOT	STA	STATION
LT	LEFT	SW	SOUTHWEST
LS	LUMP SUM	SY	SQUARE YARD
MGAL	1000 GALLON UNIT	TLE	TEMPORARY LIMITED EASEMENT
MIN	MINIMUM	TYP	TYPICAL
NE	NORTHEAST		

NOTE:
ASPHALT LAYER TYPE AND THICKNESS FOR RACINE AVE TO BE DETERMINED AFTER SOIL BORING INFORMATION IS RECEIVED, WHICH IS SCHEDULED FOR NOVEMBER 2020.

UTILITY CONTACTS

AT&T LEGACY
KENNETH COLWELL
222 W JACKSON
WOODSTOCK, IL 60098
(312) 734-2223
KC1298@ATT.COM

AT&T WISCONSIN
TOM CROWLEY
2005 PEWAUKEE RD
WAUKESHA, WI 53188-2443
(262) 896-7427
TC1657@ATT.COM

ATC MANAGEMENT, INC
801 O'KEEFE RD
DE PERE, WI 54115
(920) 338-6582
DL-ATCDOTNOTIFICATIONS@ATCLLC.COM

CHARTER COMMUNICATIONS
BEAU ABUYA
1320 N DR MARTIN LUTHER KING JR DR
MILWAUKEE, WI 53212
(414) 908-1343
WIS.ENGINEERING@CHARTER.COM

CITY OF WAUKESHA COMMUNICATIONS
JEFF HERNKE
130 DELAFIELD ST
WAUKESHA, WI 53188
(262) 524-3592
JHERNKE@WAUKESHA-WI.GOV

CITY OF WAUKESHA ROAD FACILITY
ALEX DAMIEN
130 DELAFIELD ST
WAUKESHA, WI 53188
(262) 524-3600
ADAMIEN@WAUKESHA-WI.GOV

CITY OF WAUKESHA SEWER
CHRISTOPHER LANGEMARK
130 DELAFIELD ST
WAUKESHA, WI 53188
(262) 524-3598
CLANGEMARK@WAUKESHA-WI.GOV

CITY OF WAUKESHA STREET LIGHTING
JEFF HERNKE
130 DELAFIELD ST
WAUKESHA, WI 53188
(262) 524-3592
JHERNKE@WAUKESHA-WI.GOV

CITY OF WAUKESHA WATER
CHRIS WALTER
PO BOX 1648
WAUKESHA, WI 53187-1648
(262) 521-5272
CWALTER@WAUKESHA-WATER.COM

CITY OF WAUKESHA SIGNALS
MICHAEL GRULKE
130 DELAFIELD ST
WAUKESHA, WI 53188
(262) 524-3600
MGRULKE@CI.WAUKESHA.WI.US

LEVEL 3 COMMUNICATIONS LLC
1025 ELDORADO BLVD
BROOMFIELD, CO 80021
NATIONALRELO@CENTURYLINK.COM

MIDWEST FIBER NETWORKS LLC
RICHARD TRGOVEC
6070 NORTH FLINT RD
CLENDALE, WI 53209
(414) 549-3554
RTRGOVEC@MIDWESTFIBERNETWORKS.COM

PAETEC COMMUNICATIONS LLC
MARY FISHER
13935 BISHOPS DR.
BROOKFIELD, WI 53005
(262) 792-7938
MARY.B.FISHER@WINDSTREAM.COM

SPRINT COMMUNICATIONS CO LP
JASON JARVIS
7459 W 79TH ST
BRIDGEVIEW, IL 60455
(219) 433-4091
JASON.M.JARVIS@SPRINT.COM

TDS METROCOM LLC
MICHAEL SWEET
525 JUNCTION RD
MADISON, WI 53717
(608) 664-4539
MICHAEL.SWEET@TDSTELECOM.COM

TOWN OF BROOKFIELD DISTRICT NO. 4 SANITARY SEWER
TONY SKOF
150 SOUTH BARKER RD, PO BOX 1296
BROOFIELD, WI 53008-1296
(262) 798-8629
TONYSD4@GMAIL.COM

TOWN OF BROOKFIELD SEWER
JEFF GOLNER
645 N JANACEK RD
BROOFIELD, WI 53045-6052
(262) 796-3795
DPW@TOWNOFBROOKFIELD.COM

WAUKESHA COUNTY DPW
CAROLYNN GELLINGS
1320 PEWAUKEE RD, RM 220
WAUKESHA, WI 53188
(262) 548-7740
CGELLINGS@WAUKESHACOUNTY.GOV

WE ENERGIES (ELECTRIC)
KRISTEN RONGHOLT
500 S 116TH ST
WEST ALLIS, WI 53214
(414) 221-2738
WE-UTILITY-RELOCATIONS@WE-ENERGIES.COM

WE ENERGIES (GAS)
KRISTEN RONGHOLT
500 S 116TH ST
WEST ALLIS, WI 53214
(414) 221-2738
WE-UTILITY-RELOCATIONS@WE-ENERGIES.COM

WISDOT CONTACTS

WISDOT PROJECT MANAGER
BRIAN PLUEMER
141 NW BARSTOW ST
WAUKESHA, WI 53187
PHONE: (262) 548-6721
EMAIL: BRIAN.PLUEMER@DOT.WI.GOV

WISDOT STOC
JEFF MADSON
433 W ST PAUL AVE, SUITE 300
MILWAUKEE, WI 53203-3007
(414) 225-3723
JEFFREY.MADSON@DOT.WI.GOV

WISDOT STREET LIGHTING
ERIC PEREA
141 NW BARSTOW
WAUKESHA, WI 53188
(262) 574-5422
ERIC.PEREA@DOT.WI.GOV

WISDOT SIGNALS
DERRIN WOLFORD
141 NW BARSTOW
WAUKESHA, WI 53188
(262) 521-4409
DERRIN.WOLFORD@DOT.WI.GOV

TRANSIT CONTACTS

WAUKESHA METRO TRANSIT
BRIAN ENGELKING, TRANSIT MANAGER
2311 BADGER DR
WAUKESHA, WI 53188
PHONE: (262) 524-3634
EMAIL: BENGELKI@CI.WAUKESHA.WI.US

WISDNR CONTACTS

WISCONSIN DNR LIAISON - WAUKESHA COUNTY
CRAIG WEBSTER
141 NW BARSTOW ST ROOM 180
WAUKESHA, WI 53188
PHONE: (262) 574-2141
EMAIL: CRAIG.WEBSTER@WISCONSIN.GOV

CITY CONTACTS

CITY OF WAUKESHA
ALEX DAMIEN, CITY ENGINEER
130 DELAFIELD ST
WAUKESHA, WI 53188
PHONE: (262) 524-3907
EMAIL: ADAMIEN@WAUKESHA-WI.GOV

TOWN CONTACTS

TOWN OF WAUKESHA
KATHY NICKOLAUS, TOWN CLERK
W250 S3567 CENTER RD
WAUKESHA, WI 53187
PHONE: (262) 542-5030
EMAIL: CLERK@TOWNOFWAUKESHA.US

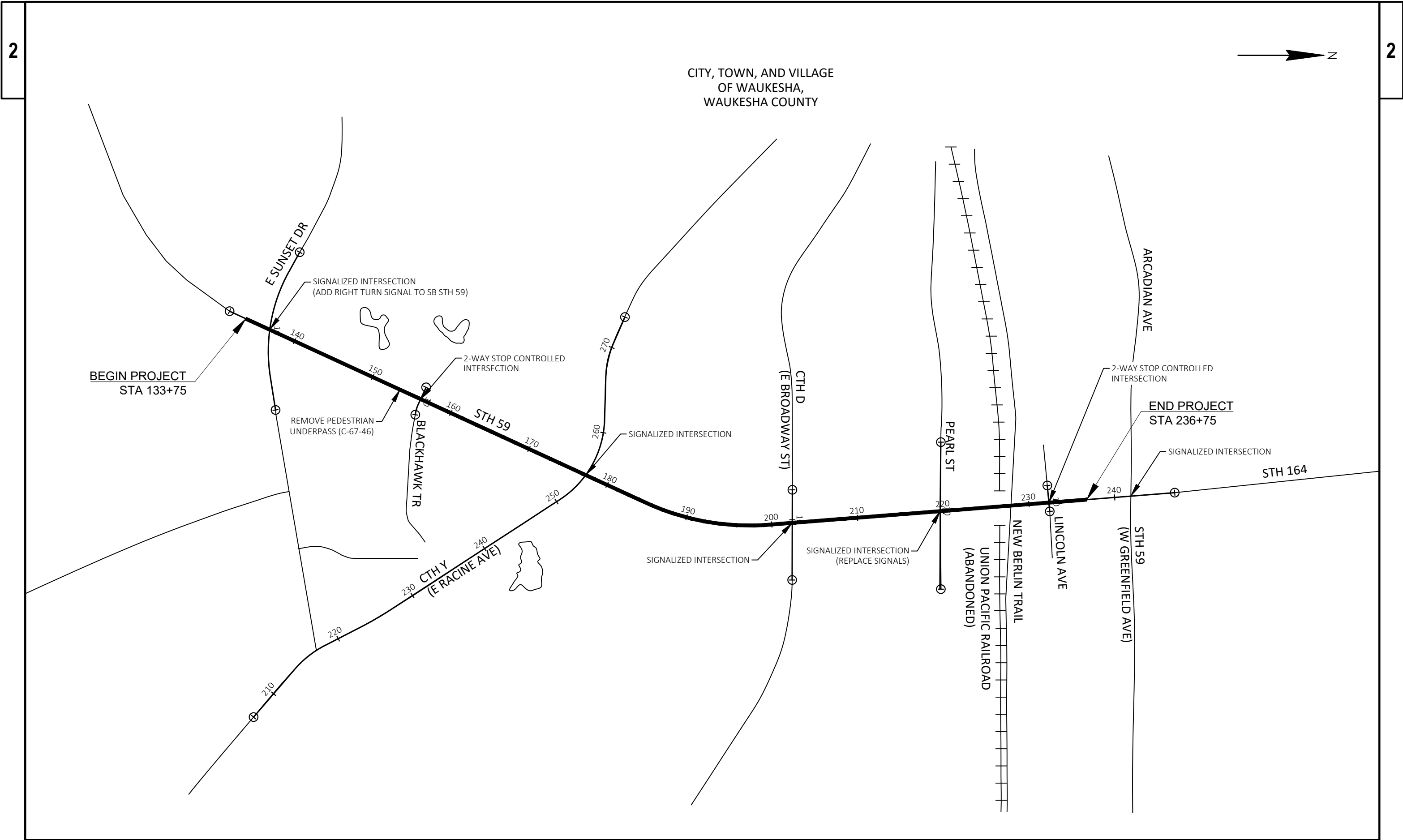
COUNTY CONTACTS

WAUKESHA COUNTY
KAREN BRAUN, ENGINEERING SERVICES MANAGER
515 W MORELAND BLVD, ROOM 220
WAUKESHA, WI 53188
PHONE: (262) 896-8538
EMAIL: KBRAUN@WAUKESHACOUNTY.GOV

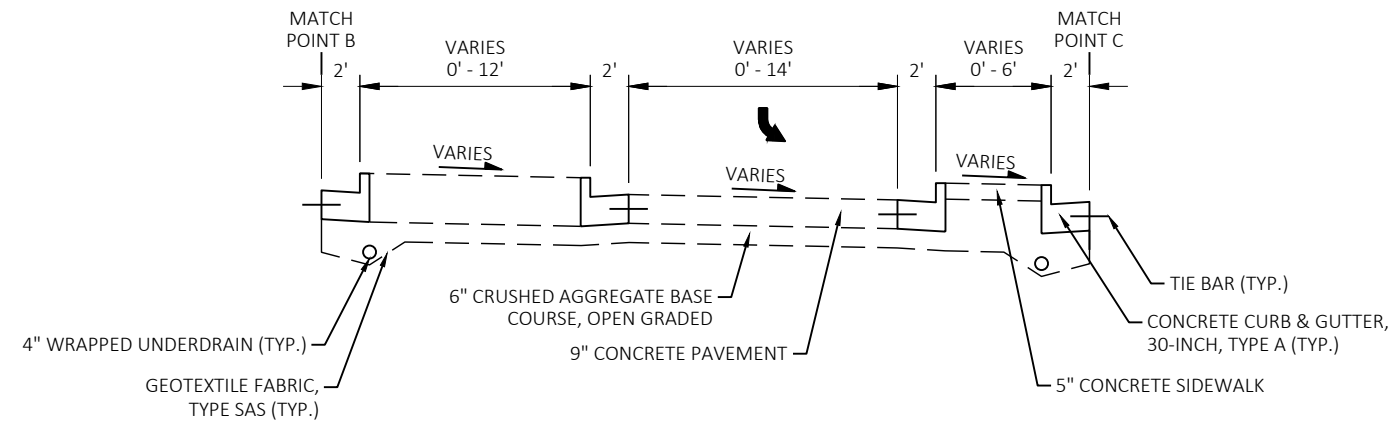
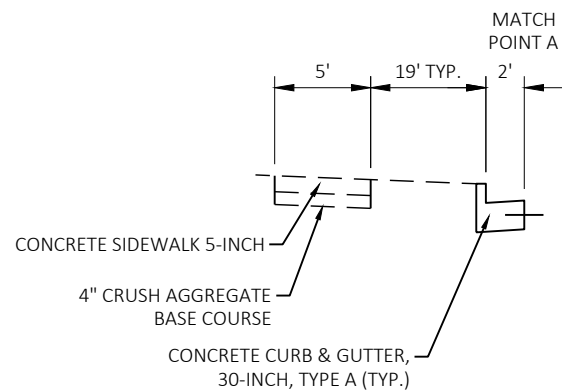
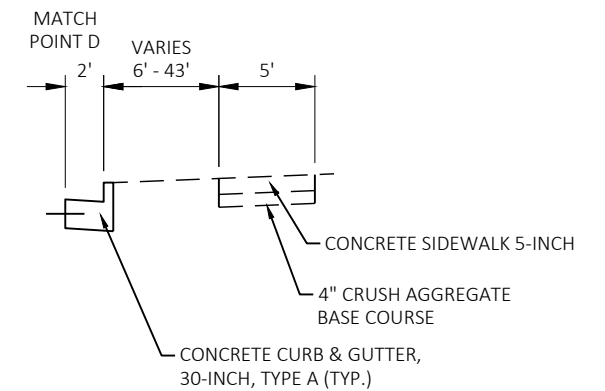
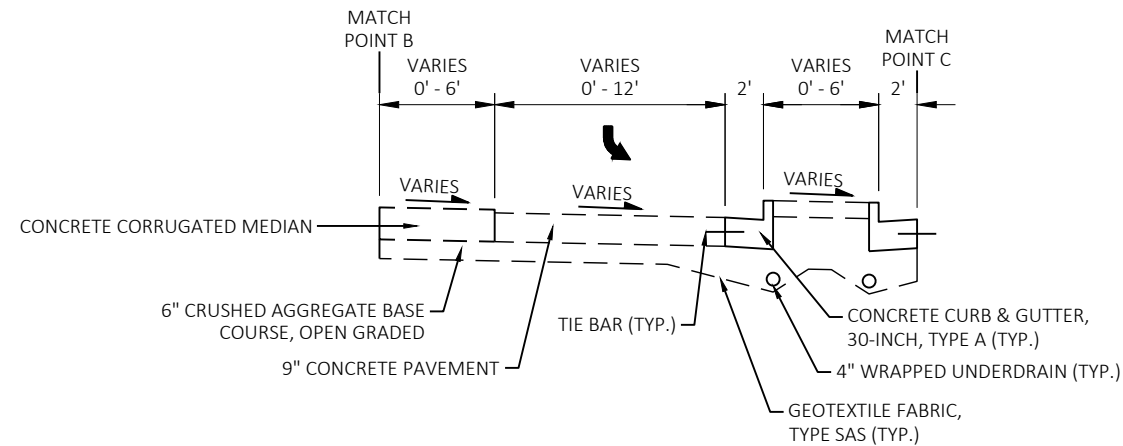
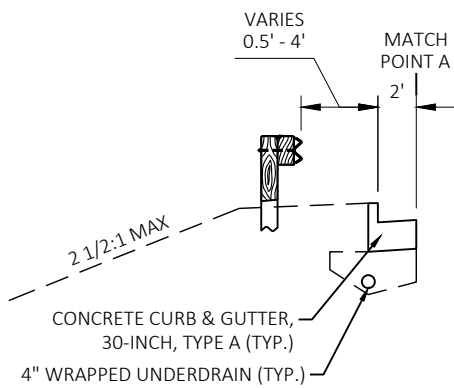
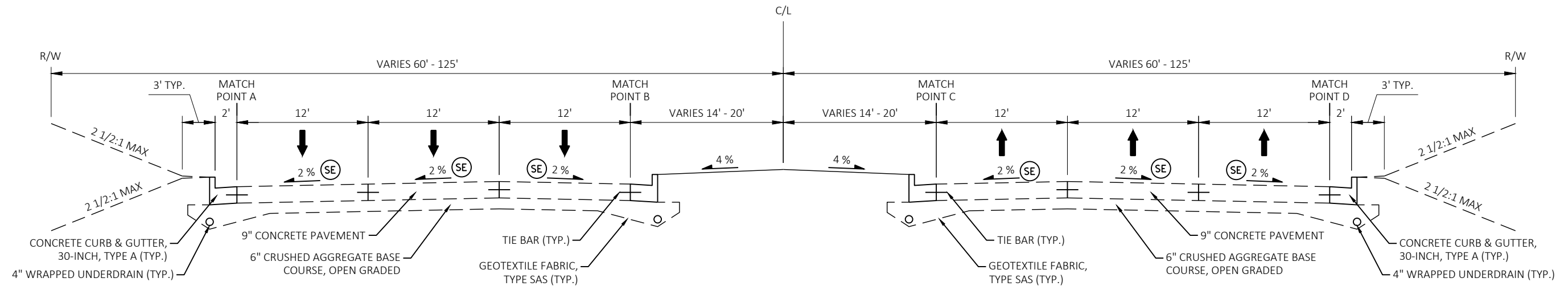


Dial 811 or (800)242-8511

www.DiggersHotline.com

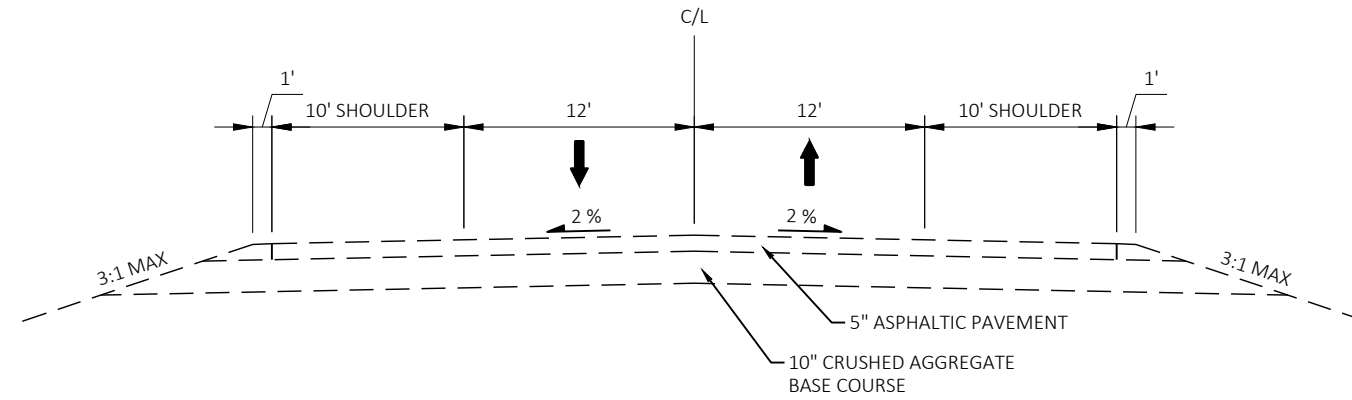


PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	PROJECT OVERVIEW	SHEET	E
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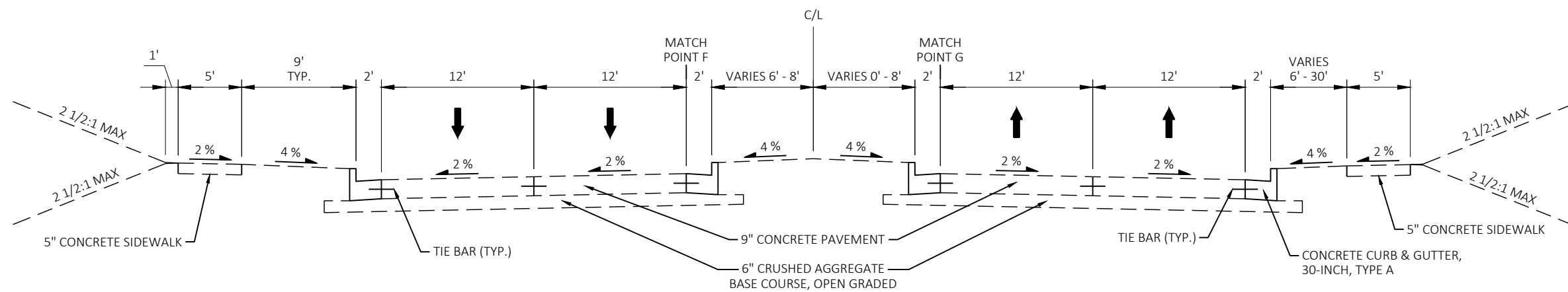
NOTES:

- 1 SECTION IS MIRRORED ON NB DIRECTION.
SE SEE PLANS FOR SUPERELEVATION RATE LOCATIONS.



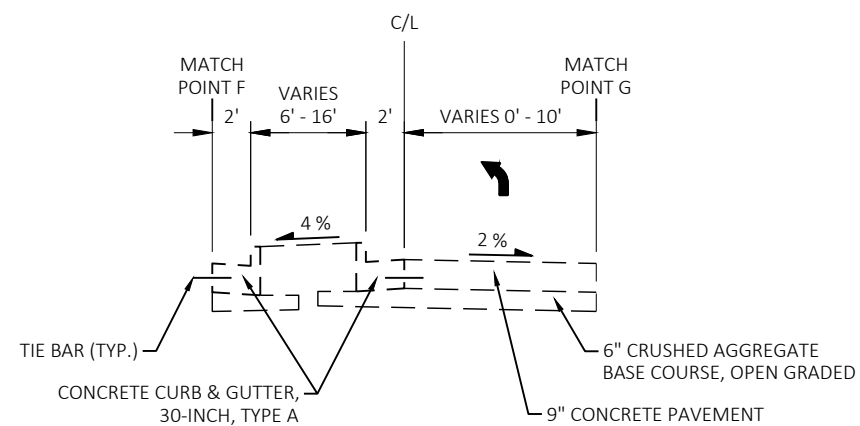
EXISTING TYPICAL SECTION - RACINE AVE

STA 239+75 TO STA 250+26



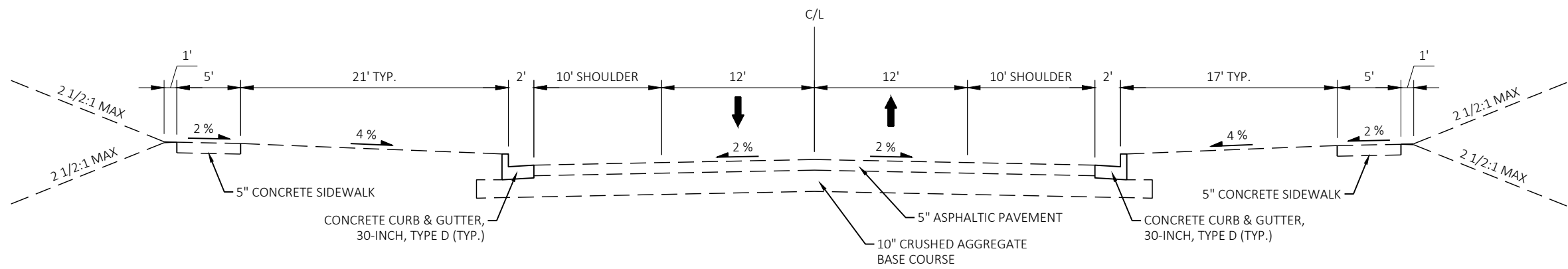
EXISTING TYPICAL SECTION - RACINE AVE

STA 250+26 TO STA 253+56



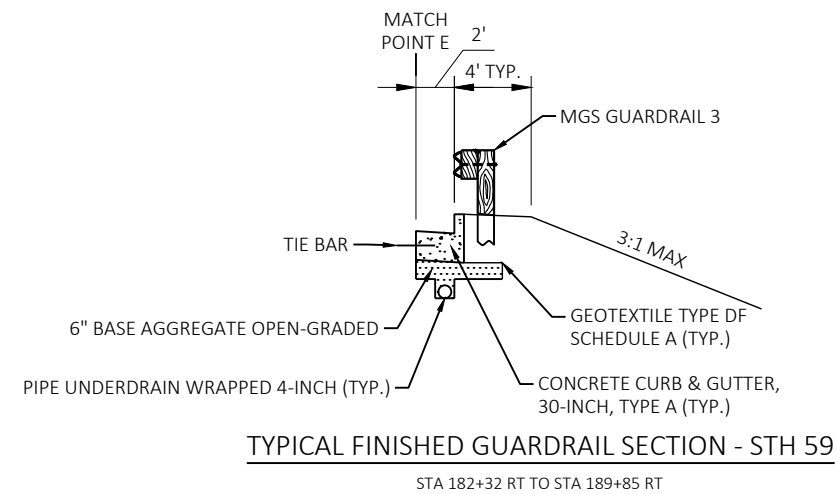
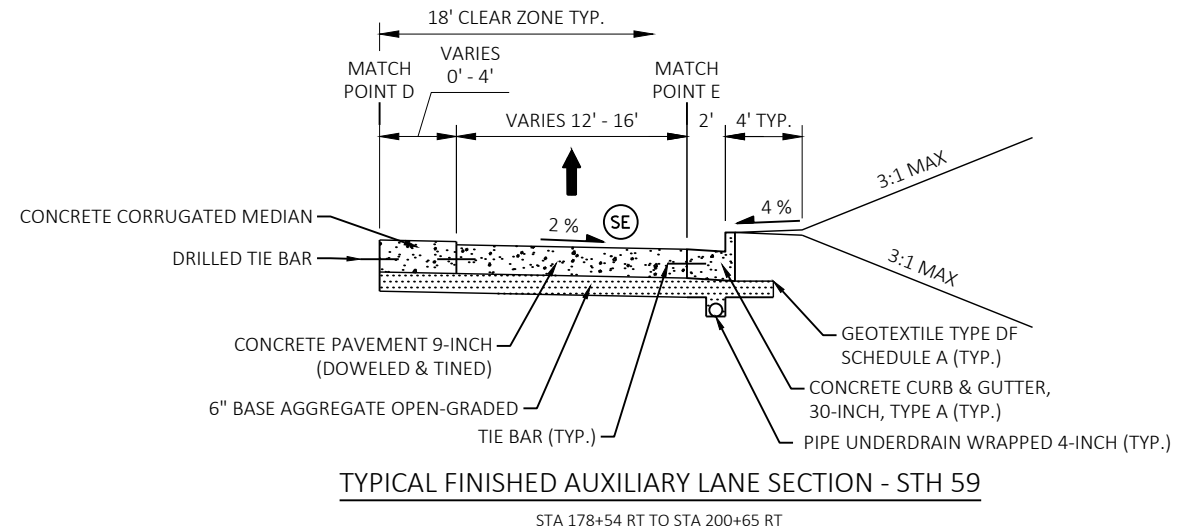
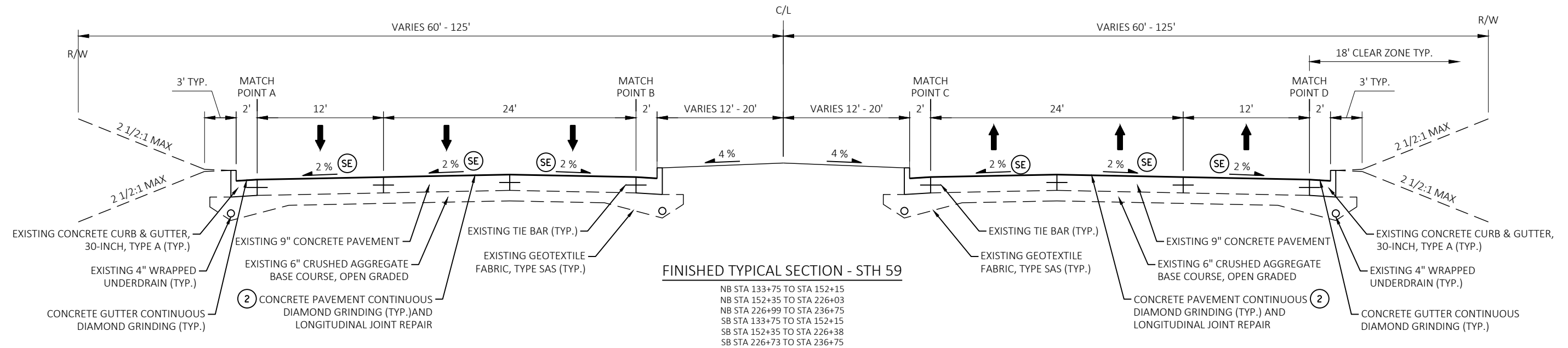
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STA 251+23 TO STA 253+91



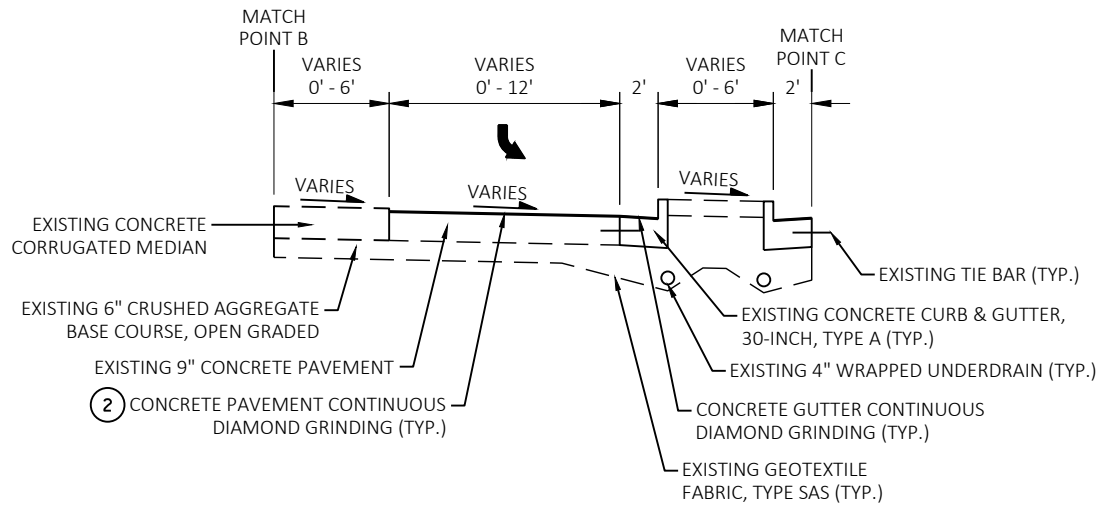
EXISTING TYPICAL SECTION - RACINE AVE

STA 258+24 TO STA 267+19



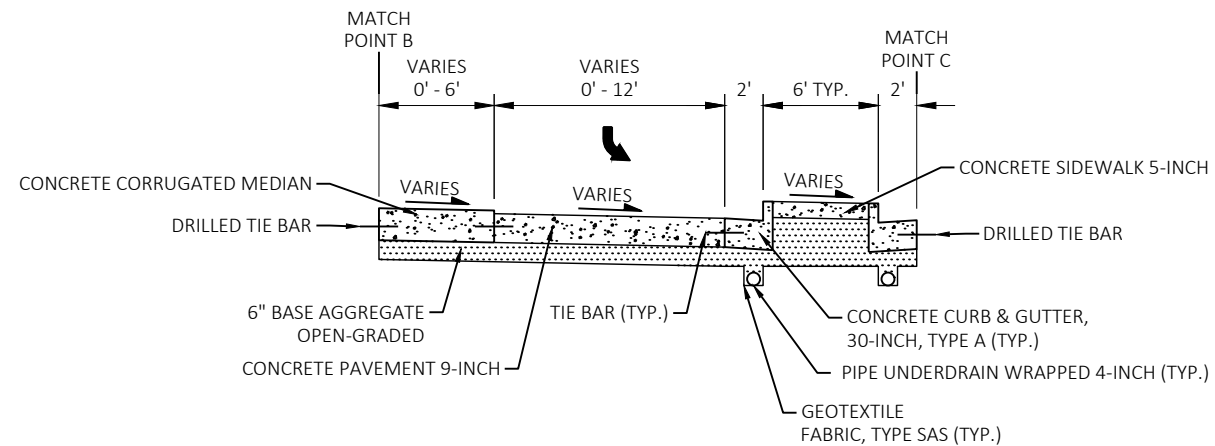
NOTES:

- ② CONCRETE PAVEMENT REPAIR, CONCRETE PAVEMENT REPLACEMENT, AND JOINT REPAIR LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.
- SE SEE PLANS FOR SUPERELEVATION RATE LOCATIONS.
- HC HORIZONTAL CLEARANCE



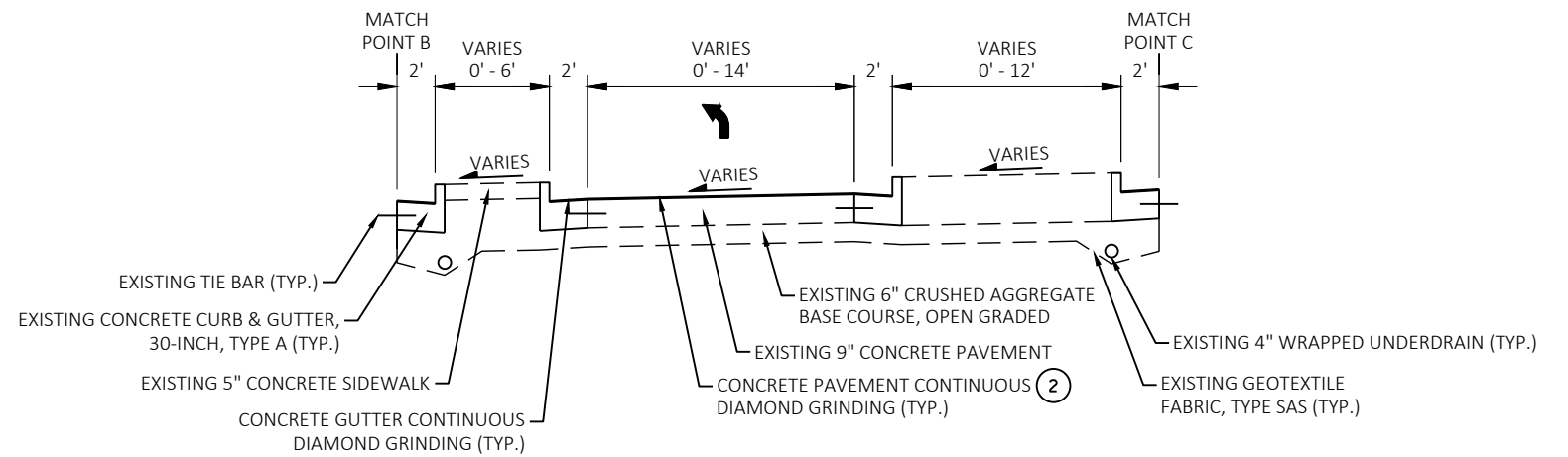
① TYPICAL FINISHED LEFT TURN LANE SECTION WITH CORRUGATED MEDIAN - STH 59

STA 133+75 RT TO STA 136+36 RT
STA 137+24 LT TO STA 140+98 LT
STA 198+19 RT TO STA 201+93 RT
STA 215+43 RT TO STA 219+21 RT
STA 220+06 LT TO STA 223+95 LT



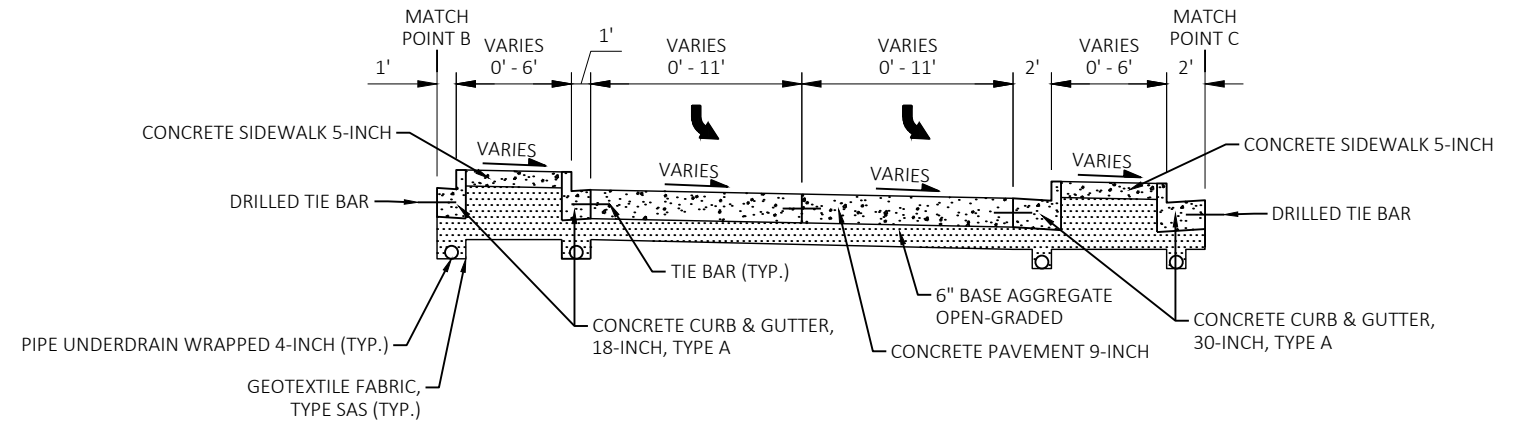
TYPICAL FINISHED LEFT TURN LANE SECTION WITH CORRUGATED MEDIAN - STH 59

STA 204+21 LT TO STA 208+44 LT



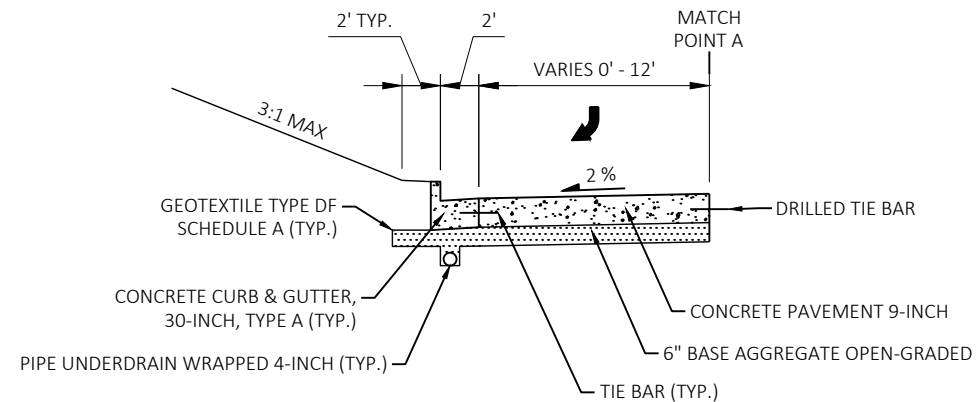
TYPICAL FINISHED LEFT TURN LANE SECTION WITH RAISED MEDIAN - STH 59

STA 172+87 RT TO STA 176+77 RT



TYPICAL FINISHED DUAL LEFT TURN LANE SECTION - STH 59

STA 177+63 LT TO STA 186+27 LT

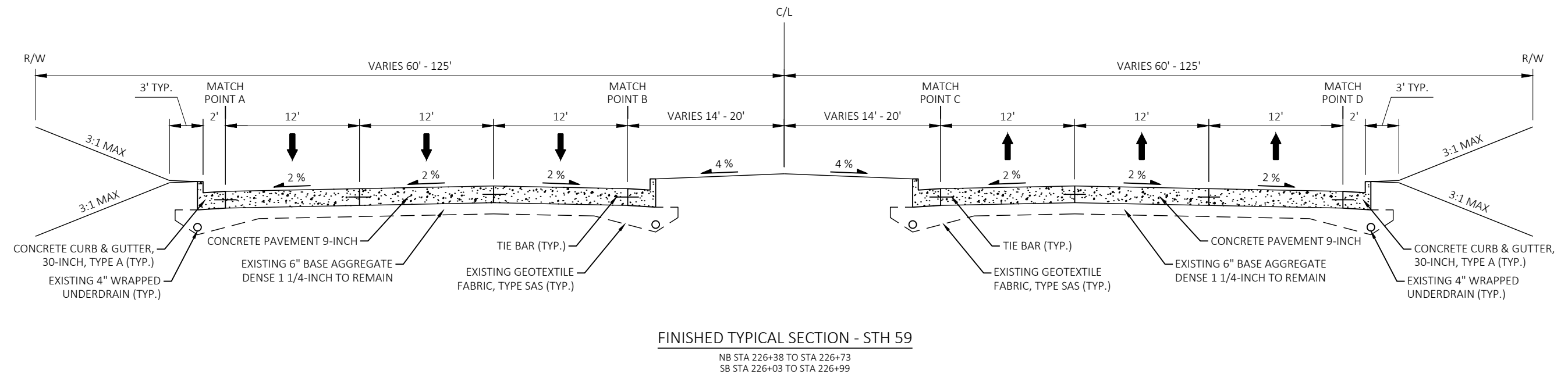
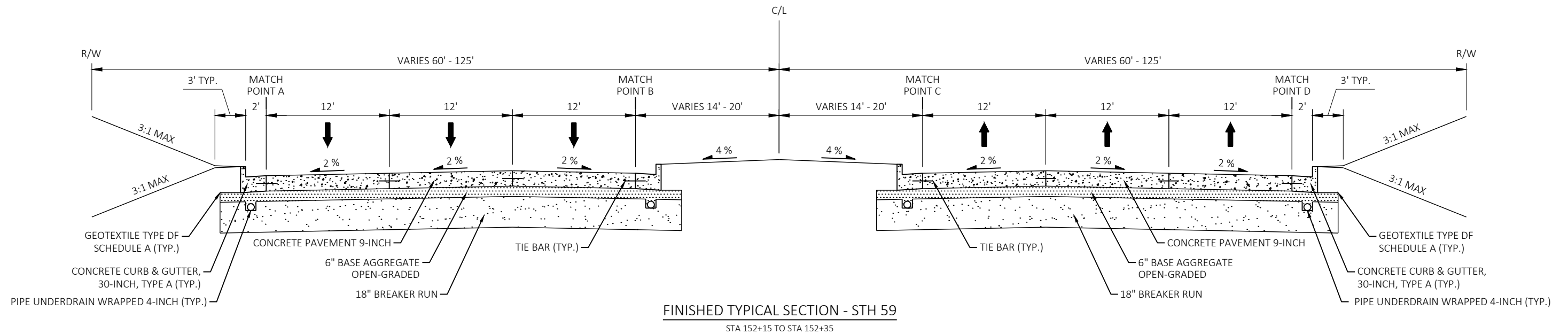


TYPICAL FINISHED RIGHT TURN LANE SECTION - STH 59

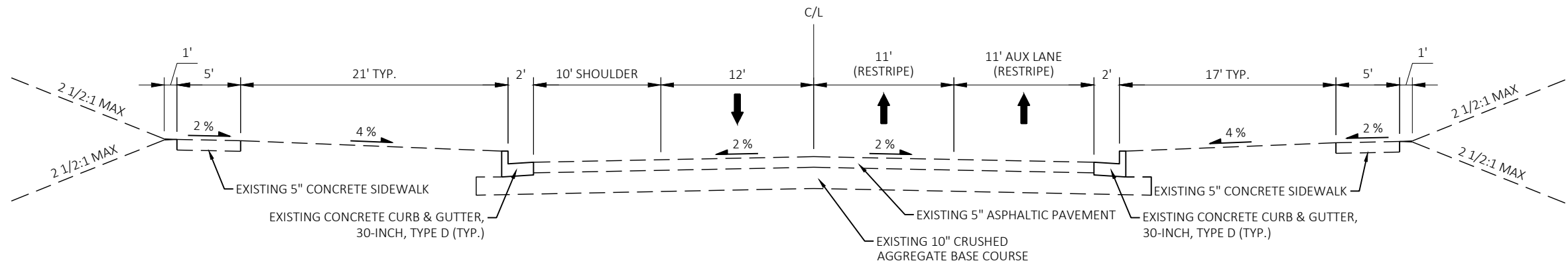
STA 179+04 LT TO STA 182+04 LT

NOTES:

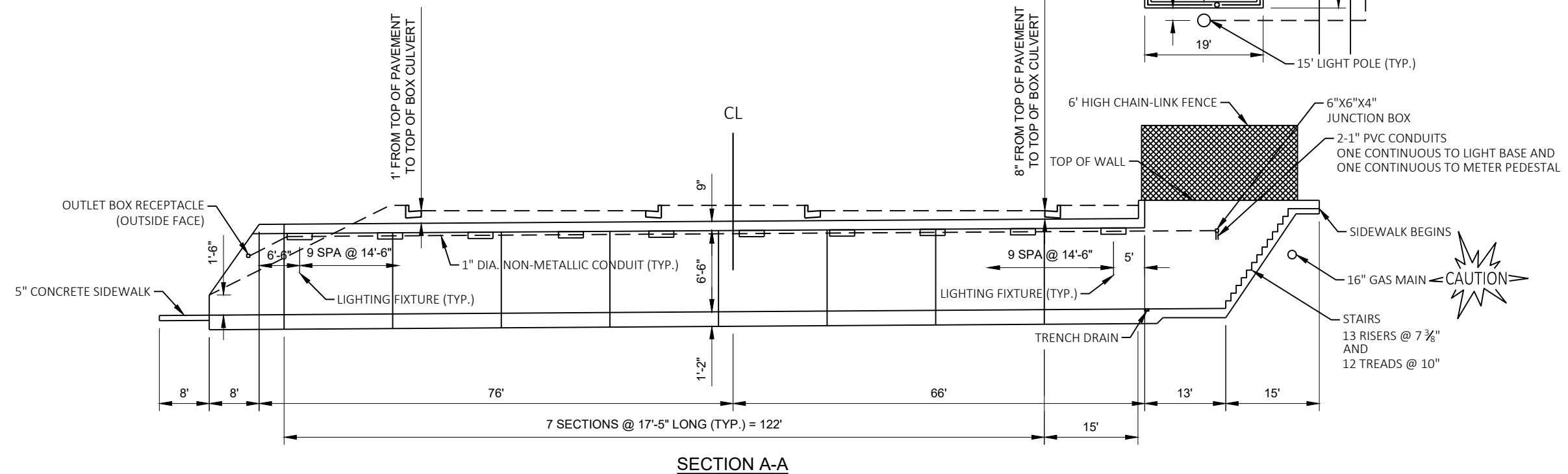
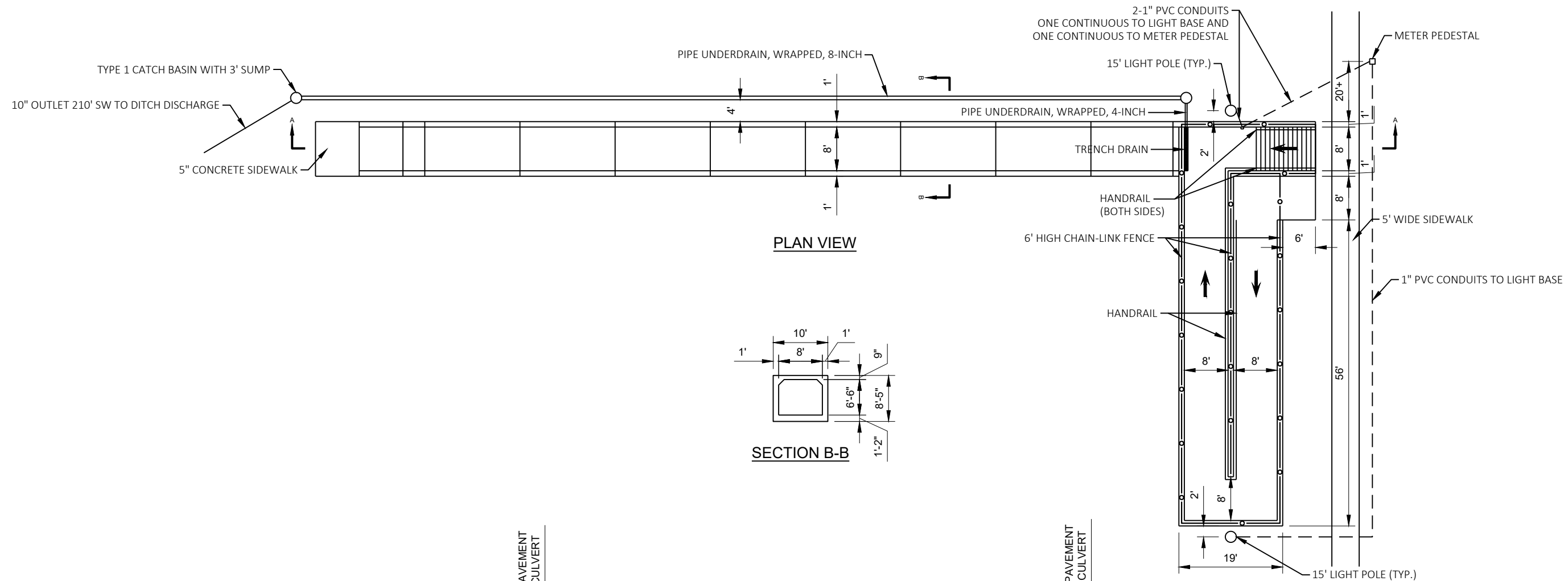
- ① SECTION IS MIRRORED ON NB DIRECTION.
- ② CONCRETE PAVEMENT REPAIR, CONCRETE PAVEMENT REPLACEMENT, AND JOINT REPAIR LOCATIONS TO BE DETERMINED BY FIELD ENGINEER.







TYPICAL FINISHED SECTION - RACINE AVE
STA 258+24 TO STA 267+19



REMOVING PEDESTRIAN UNDERPASS C-67-46 - EXISTING CONDITIONS

PROJECT NO: 2773-10-70

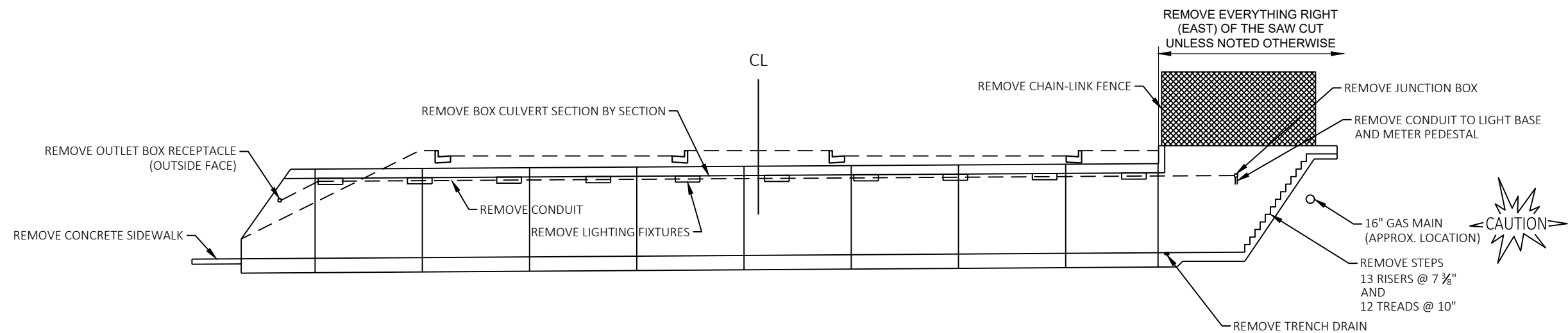
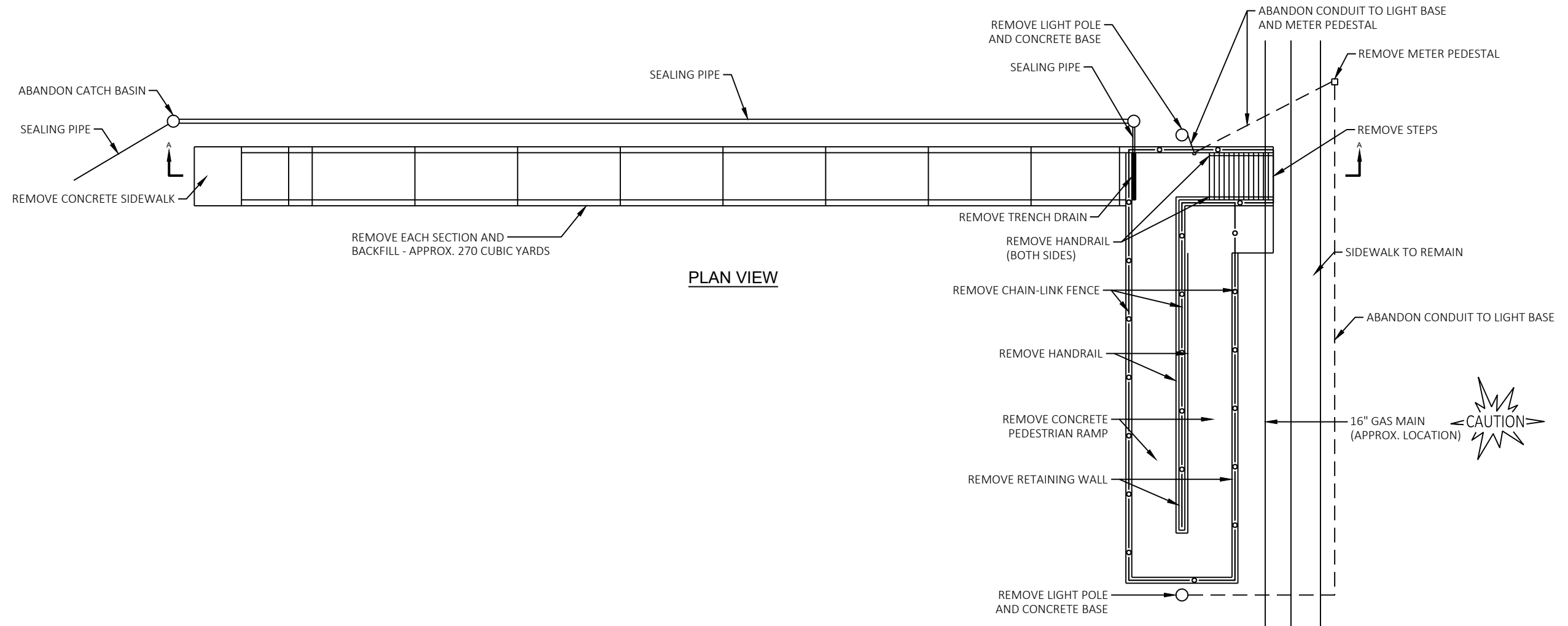
HWY: STH 59

COUNTY: WAUKESHA

CONSTRUCTION DETAILS

SHEET

E



REMOVING PEDESTRIAN UNDERPASS C-67-46 - PROPOSED REMOVALS

PROJECT NO: 2773-10-70

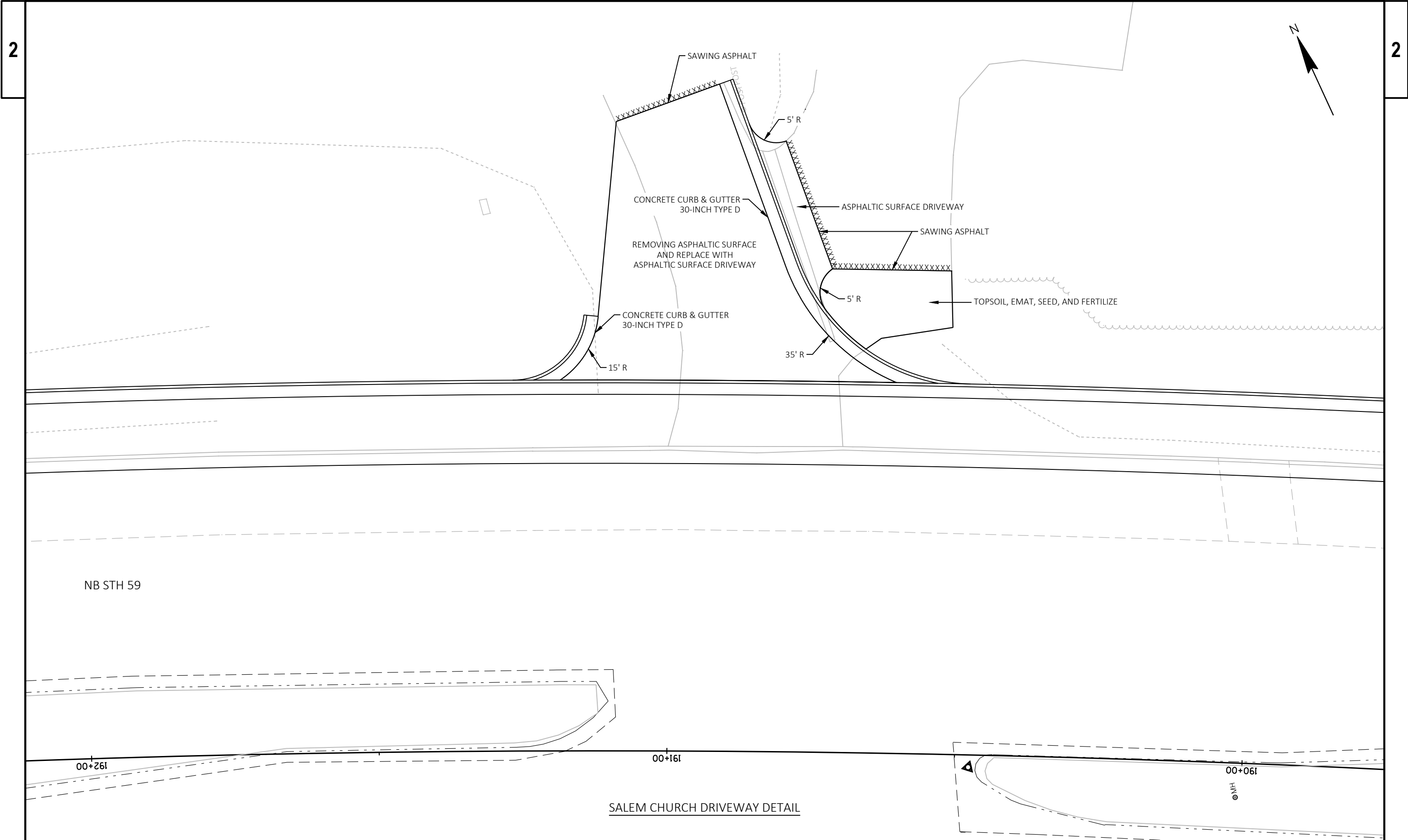
HWY: STH 59

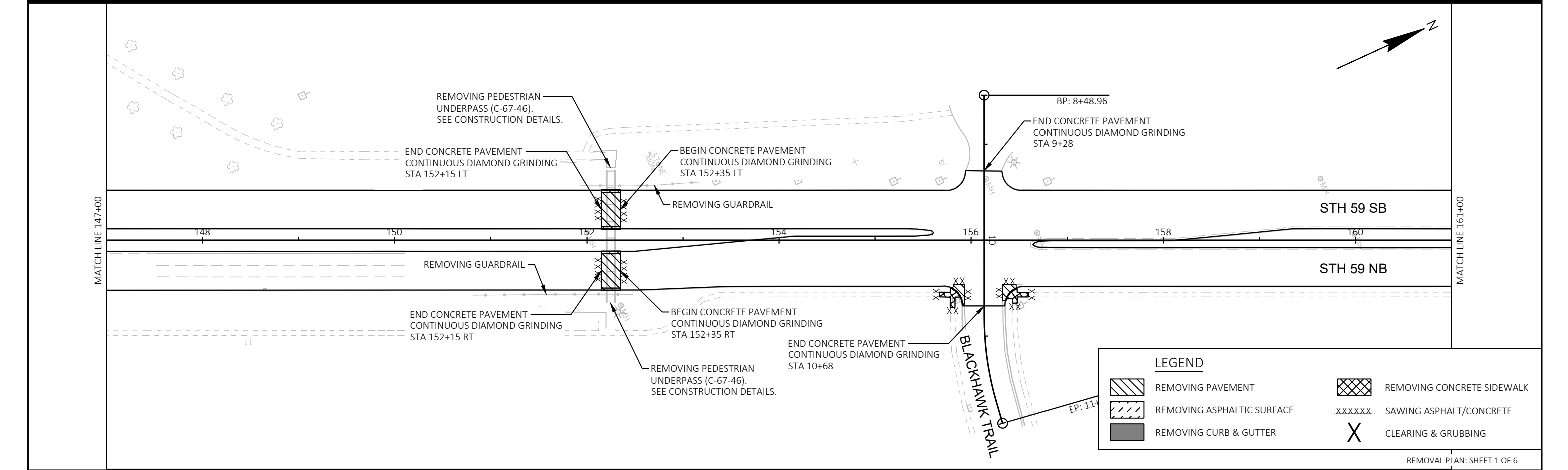
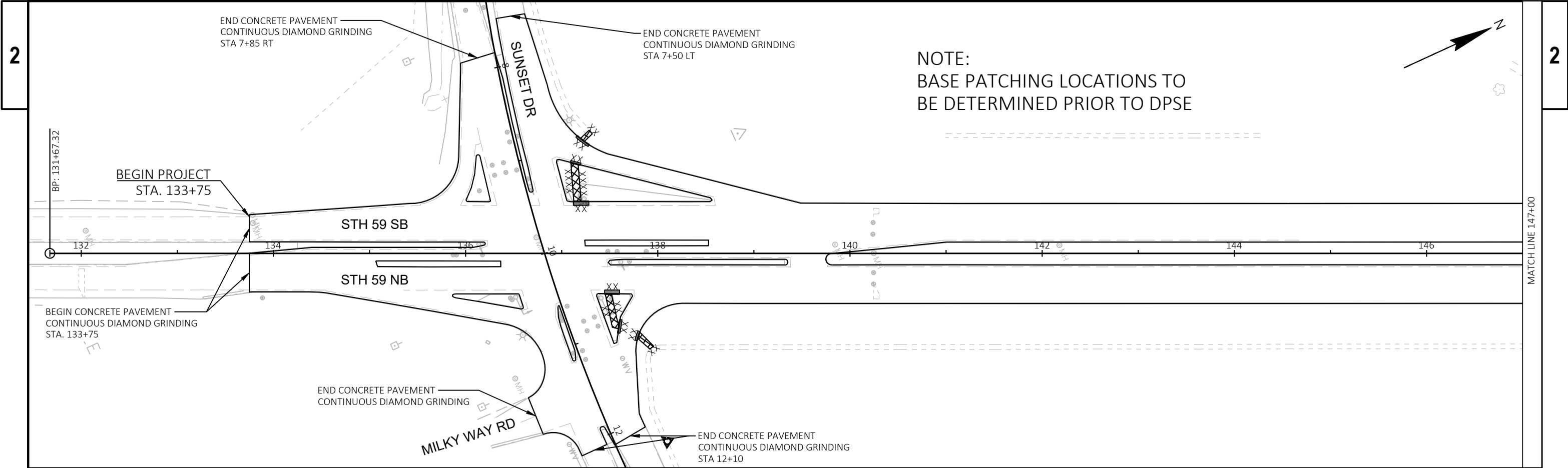
COUNTY: WAUKESHA

CONSTRUCTION DETAILS

SHEET

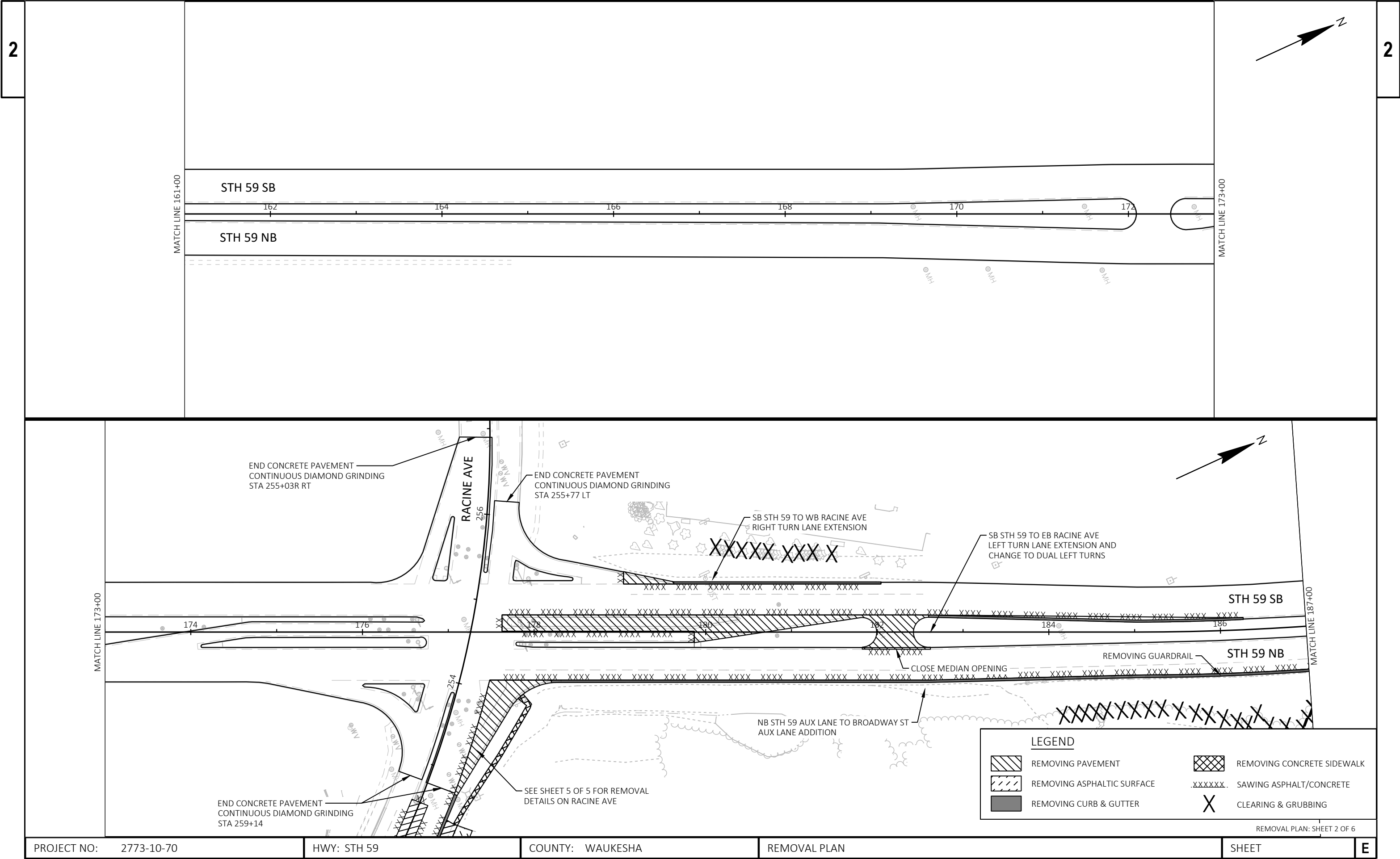
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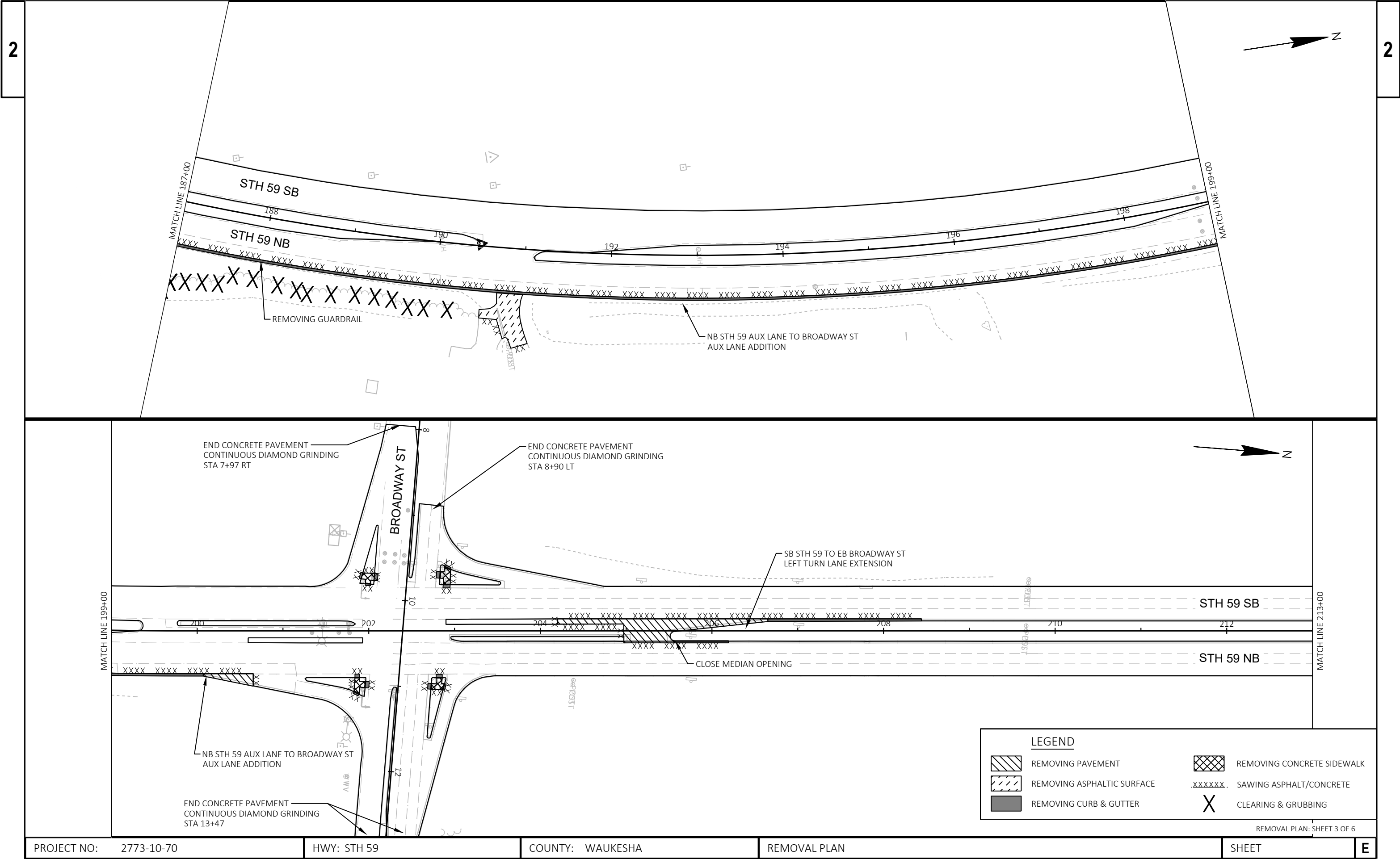


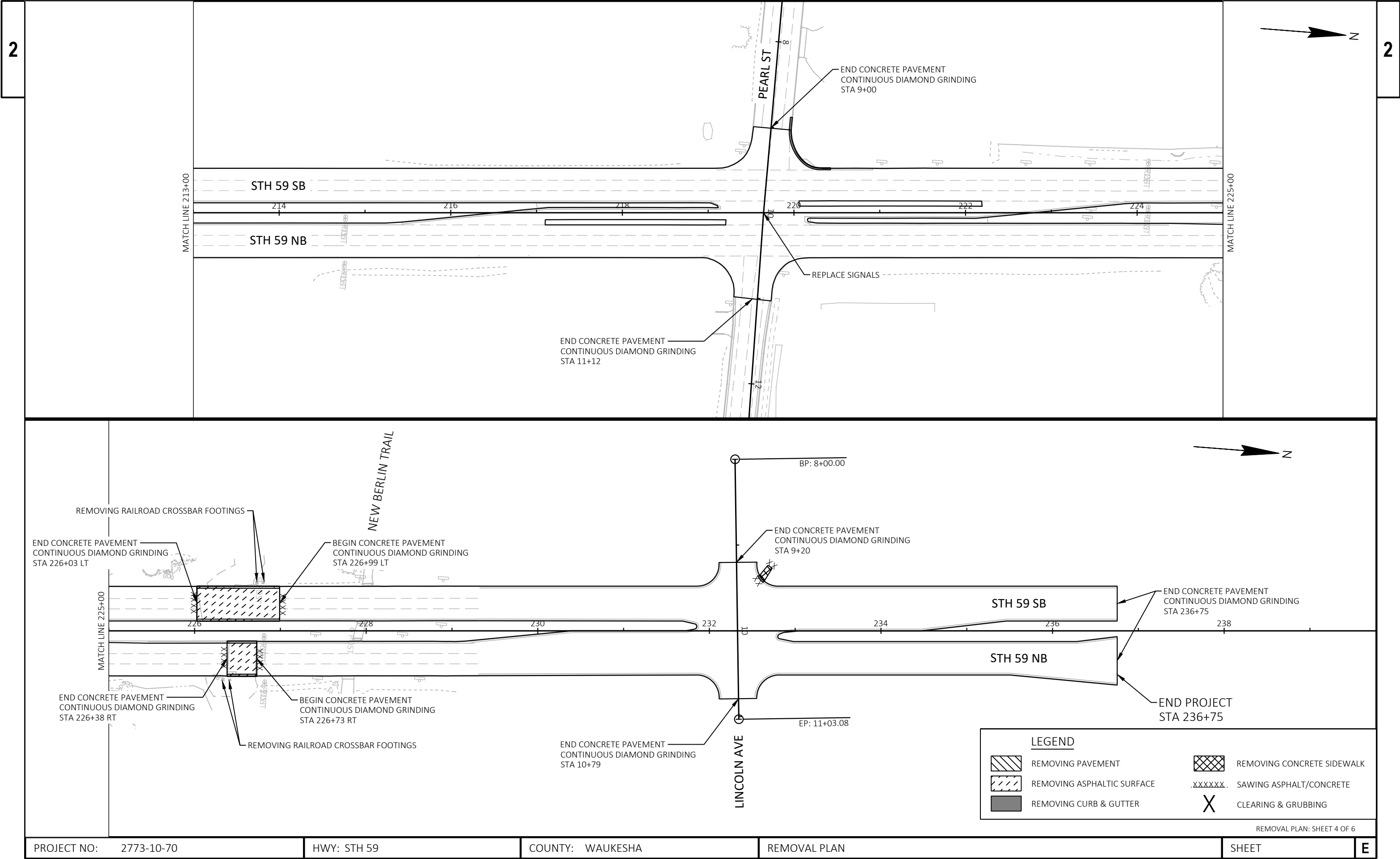


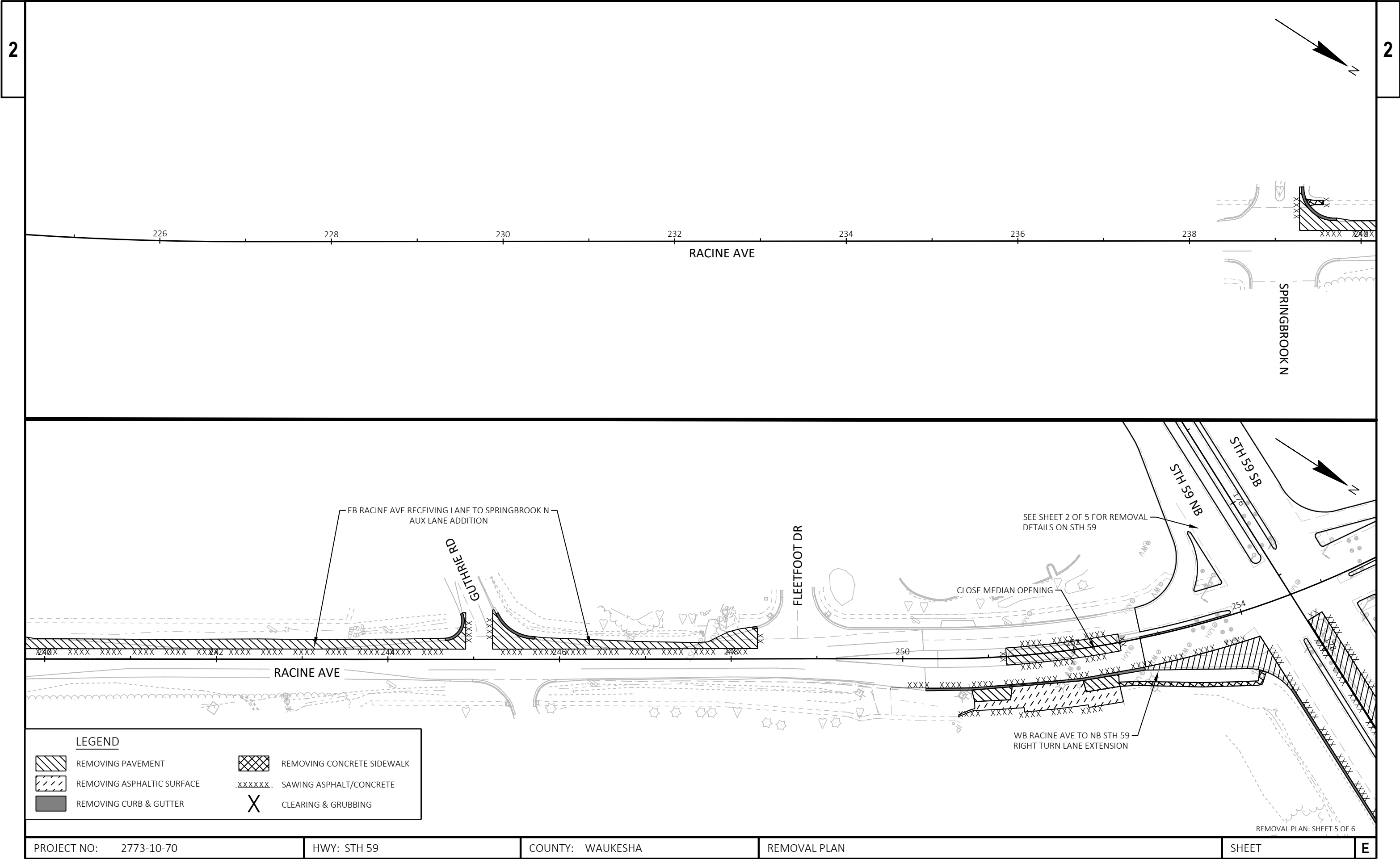
LEGEND

	REMOVING PAVEMENT		REMOVING CONCRETE SIDEWALK
	REMOVING ASPHALTIC SURFACE		SAWING ASPHALT/CONCRETE
	REMOVING CURB & GUTTER		CLEARING & GRUBBING









2

2

LEGEND

- | | | | |
|--|----------------------------|--|----------------------------|
| | REMOVING PAVEMENT | | REMOVING CONCRETE SIDEWALK |
| | REMOVING ASPHALTIC SURFACE | | SAWING ASPHALT/CONCRETE |
| | REMOVING CURB & GUTTER | | CLEARING & GRUBBING |

PROJECT NO: 2773-10-70

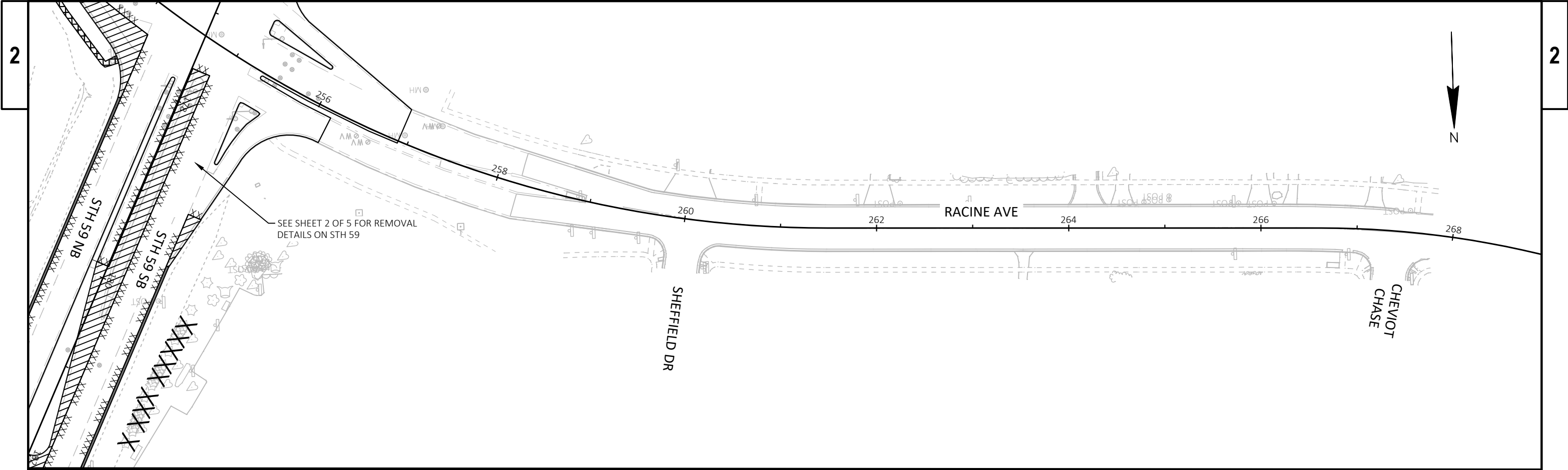
HWY: STH 59

COUNTY: WAUKESHA

REMOVAL PLAN

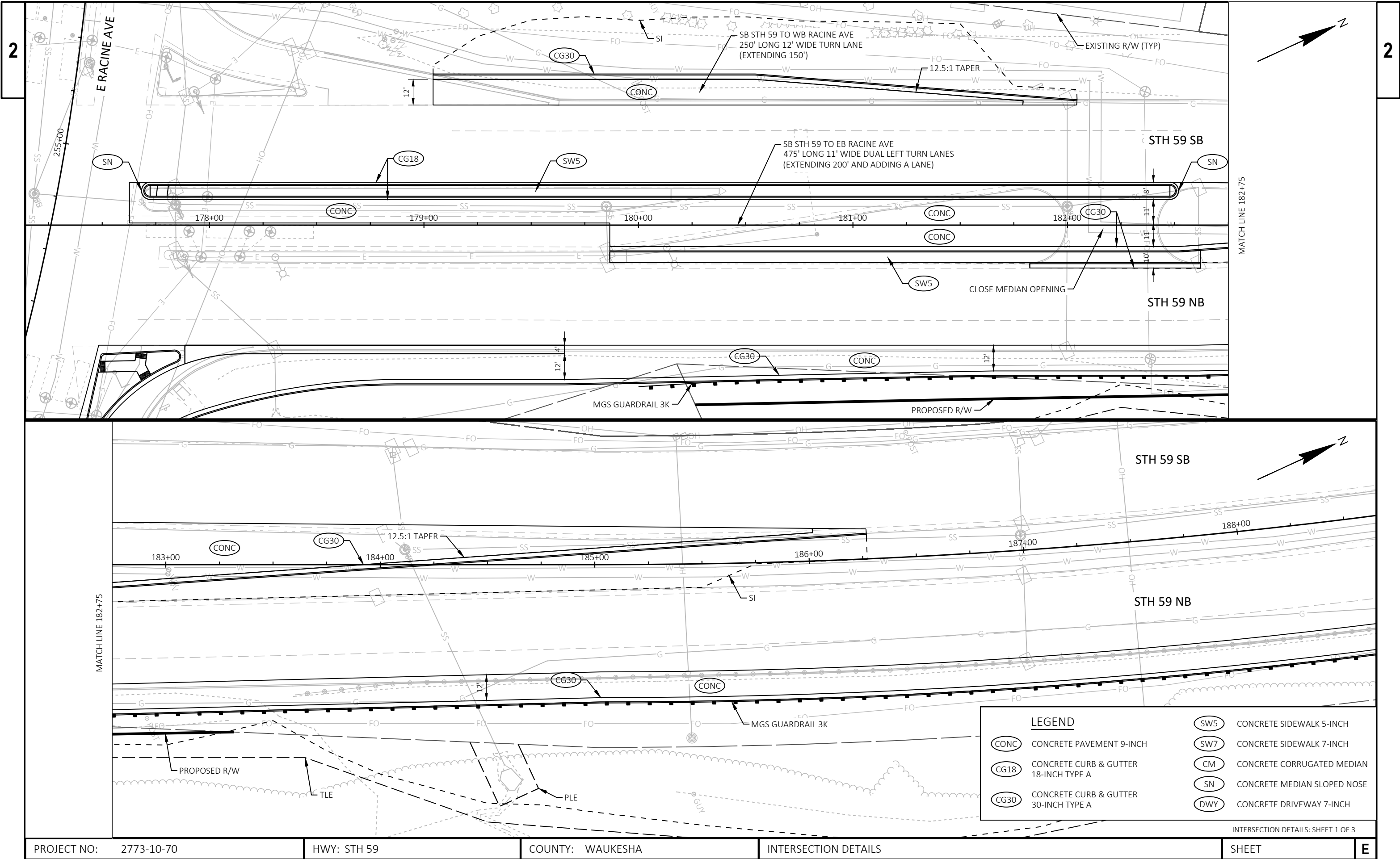
SHEET

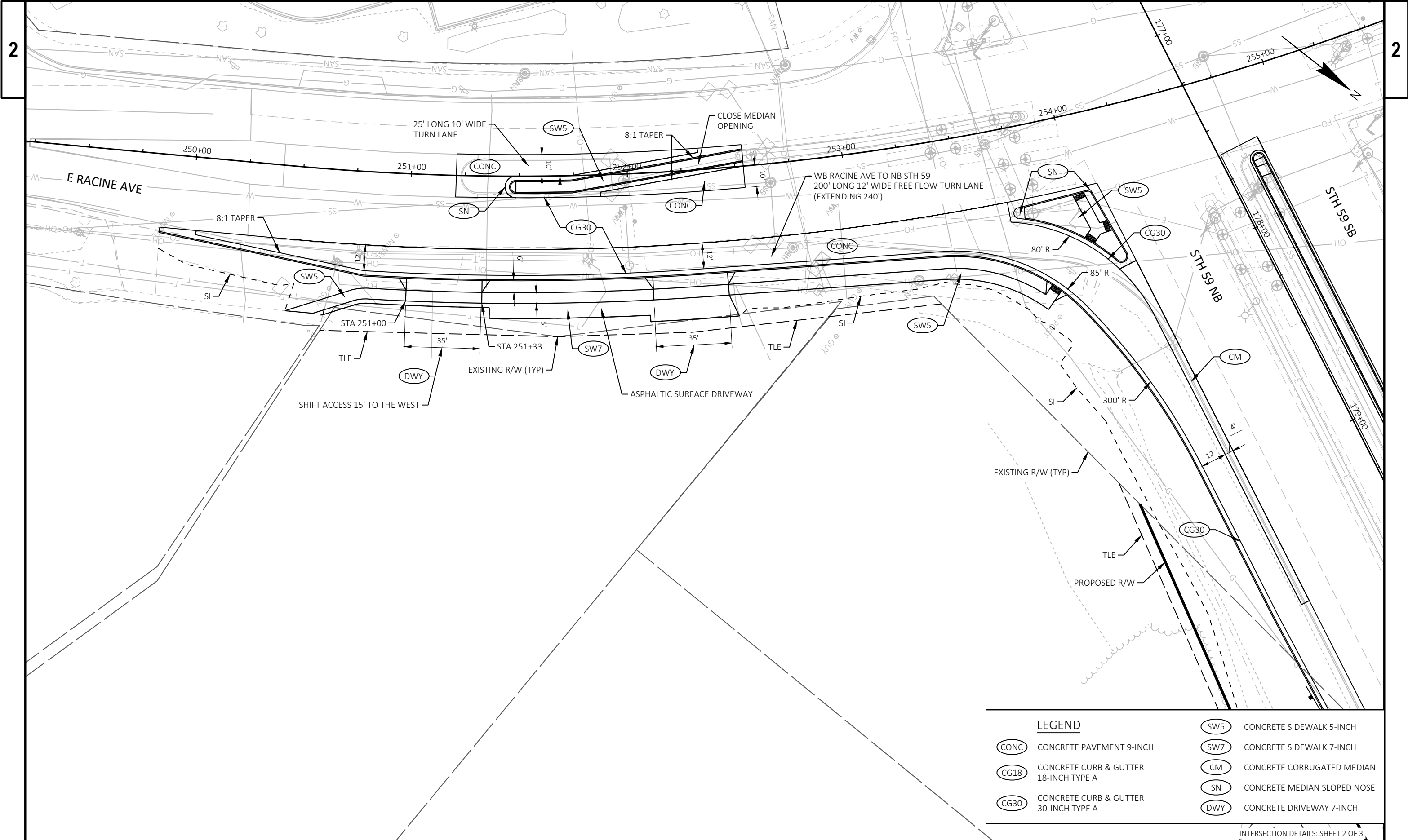
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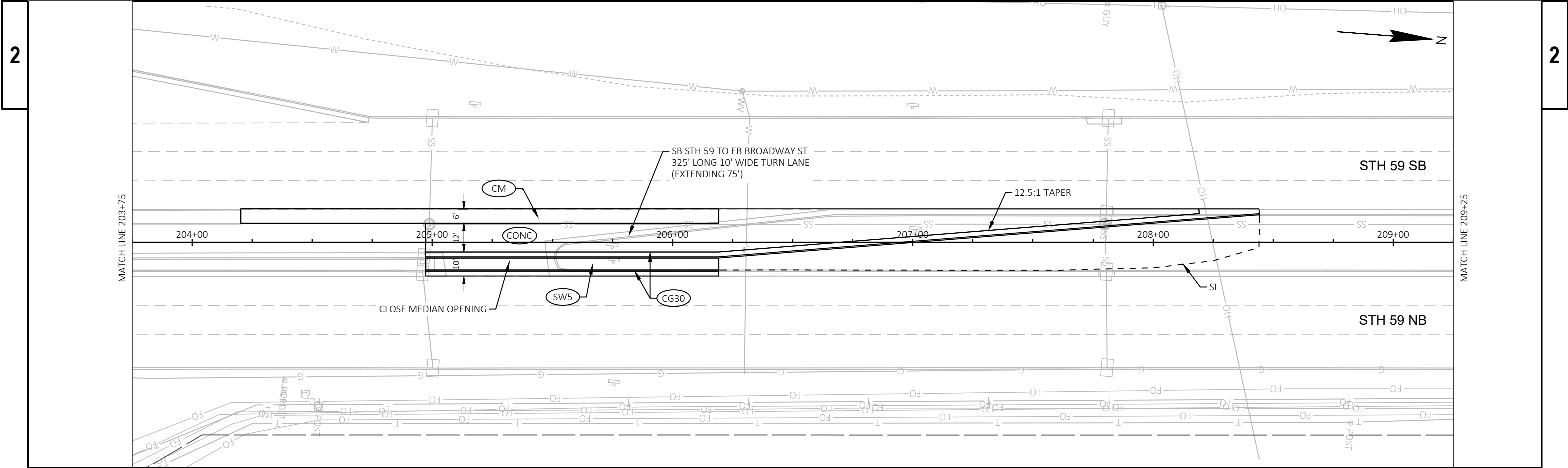
LEGEND

	REMOVING PAVEMENT		REMOVING CONCRETE SIDEWALK
	REMOVING ASPHALTIC SURFACE		SAWING ASPHALT/CONCRETE
	REMOVING CURB & GUTTER		CLEARING & GRUBBING





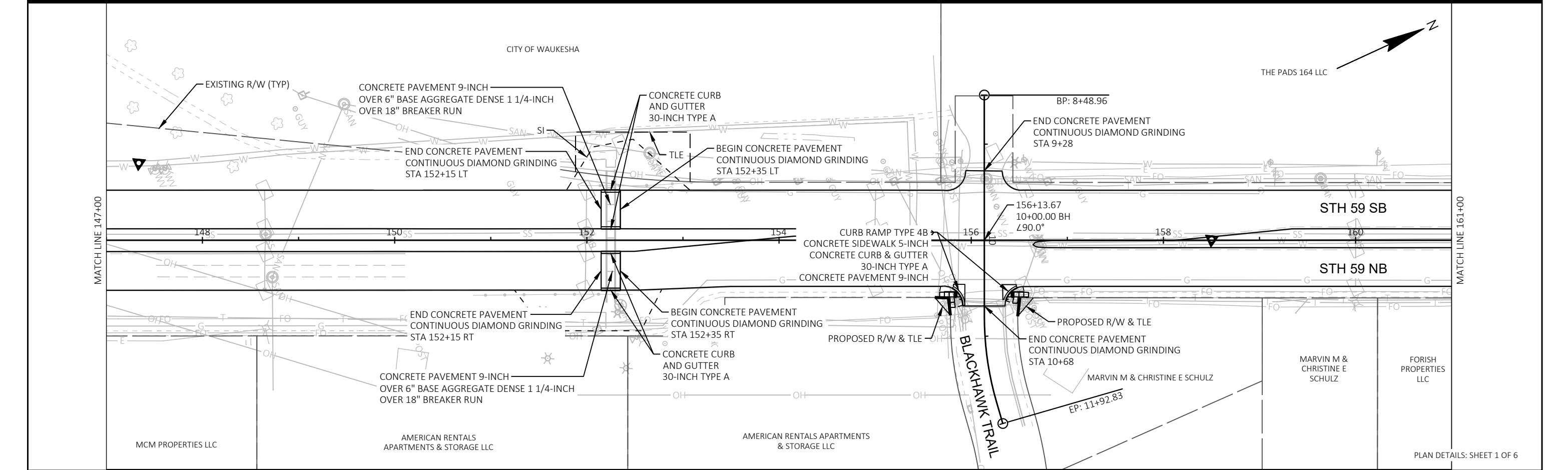
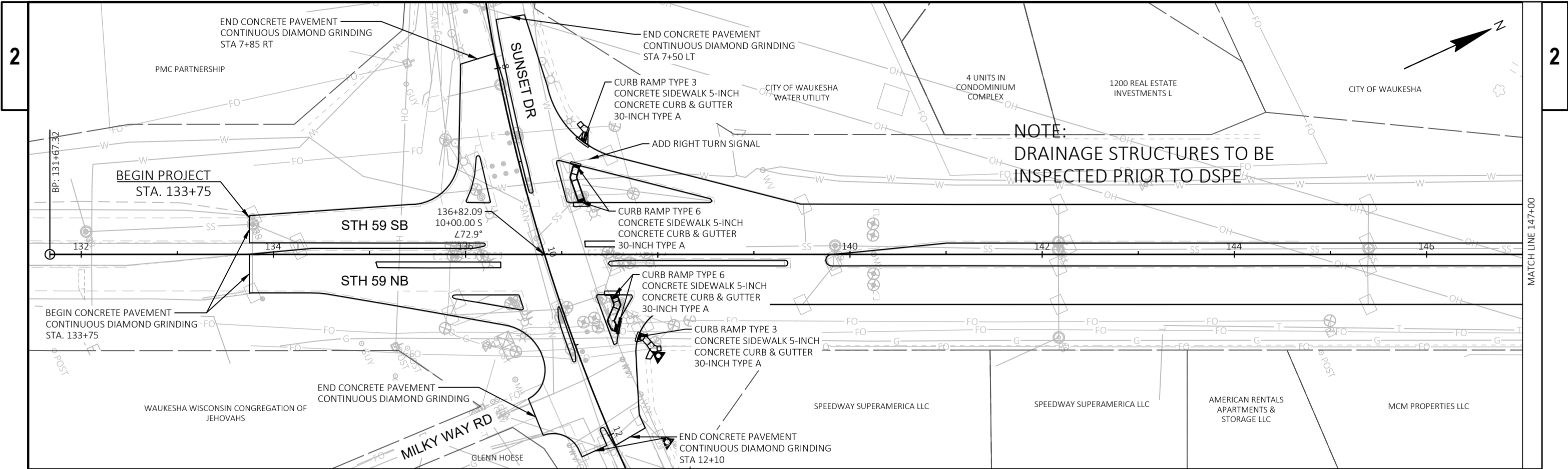
LEGEND	
(CONC)	CONCRETE PAVEMENT 9-INCH
(CG18)	CONCRETE CURB & GUTTER 18-INCH TYPE A
(CG30)	CONCRETE CURB & GUTTER 30-INCH TYPE A
(SW5)	CONCRETE SIDEWALK 5-INCH
(SW7)	CONCRETE SIDEWALK 7-INCH
(CM)	CONCRETE CORRUGATED MEDIAN
(SN)	CONCRETE MEDIAN SLOPED NOSE
(DWY)	CONCRETE DRIVEWAY 7-INCH



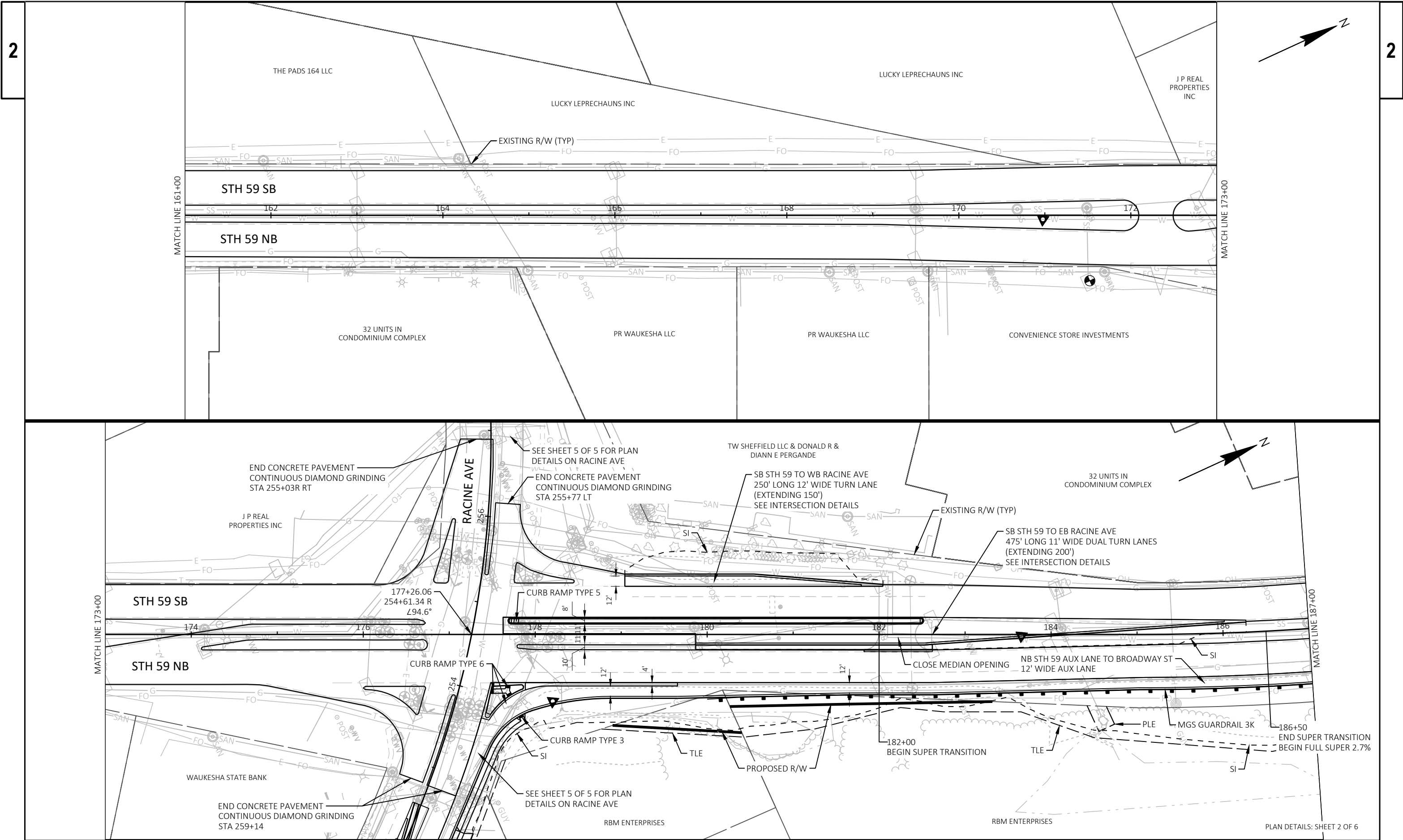
LEGEND	
(CONC)	CONCRETE PAVEMENT 9-INCH
(CG18)	CONCRETE CURB & GUTTER 18-INCH TYPE A
(CG30)	CONCRETE CURB & GUTTER 30-INCH TYPE A
(SW5)	CONCRETE SIDEWALK 5-INCH
(SW7)	CONCRETE SIDEWALK 7-INCH
(CM)	CONCRETE CORRUGATED MEDIAN
(SN)	CONCRETE MEDIAN SLOPED NOSE
(DWY)	CONCRETE DRIVEWAY 7-INCH

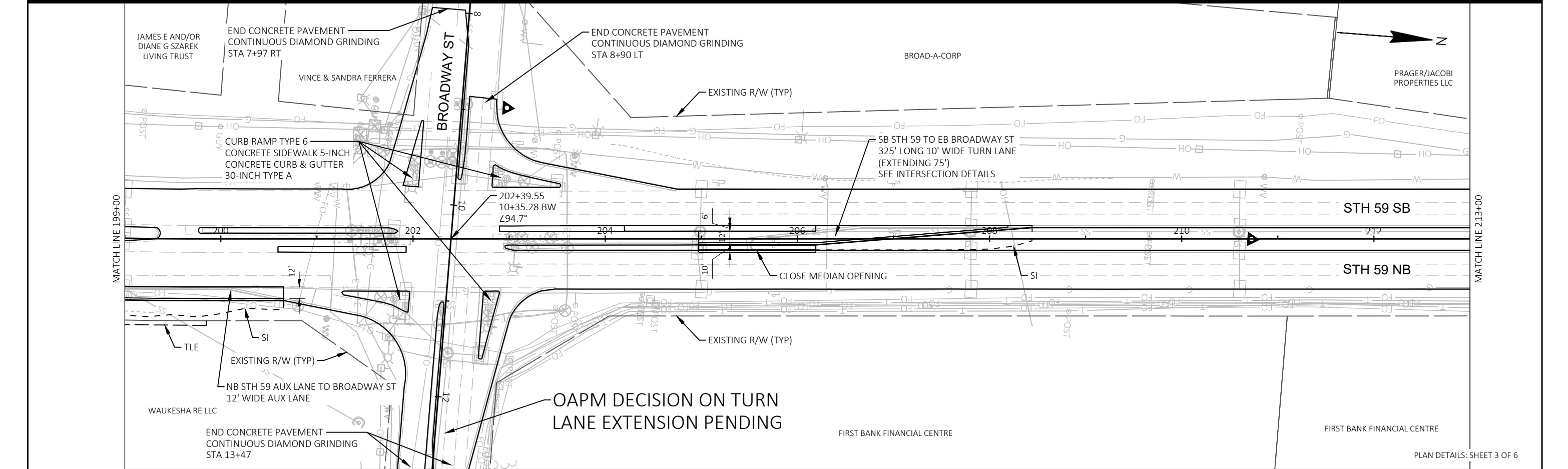
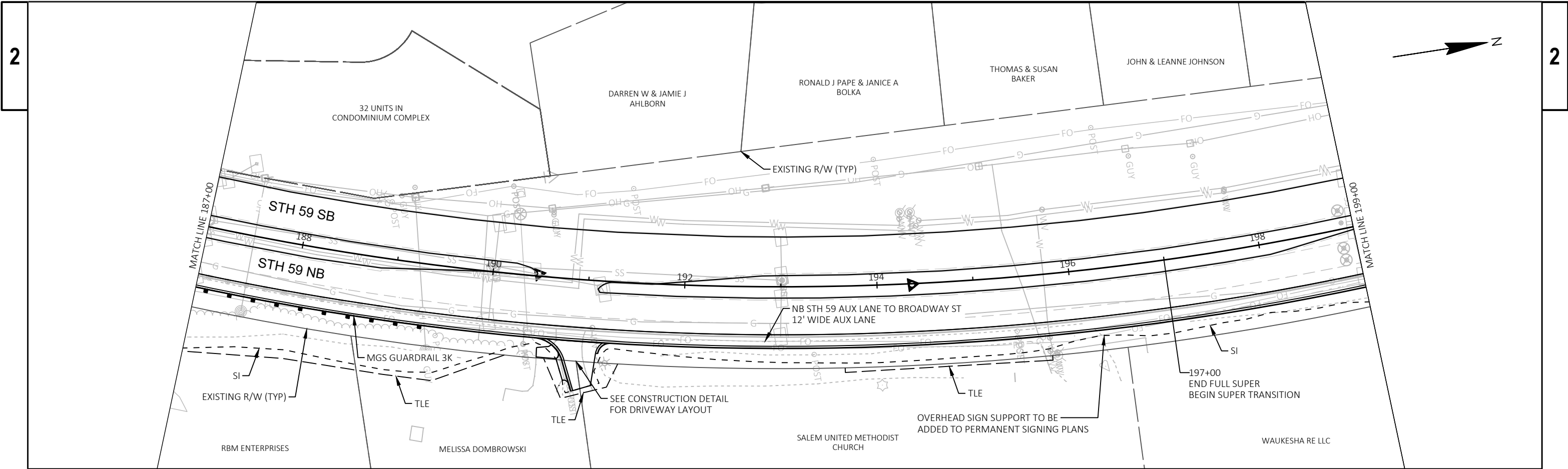
INTERSECTION DETAILS: SHEET 3 OF 3

PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	INTERSECTION DETAILS	SHEET	E
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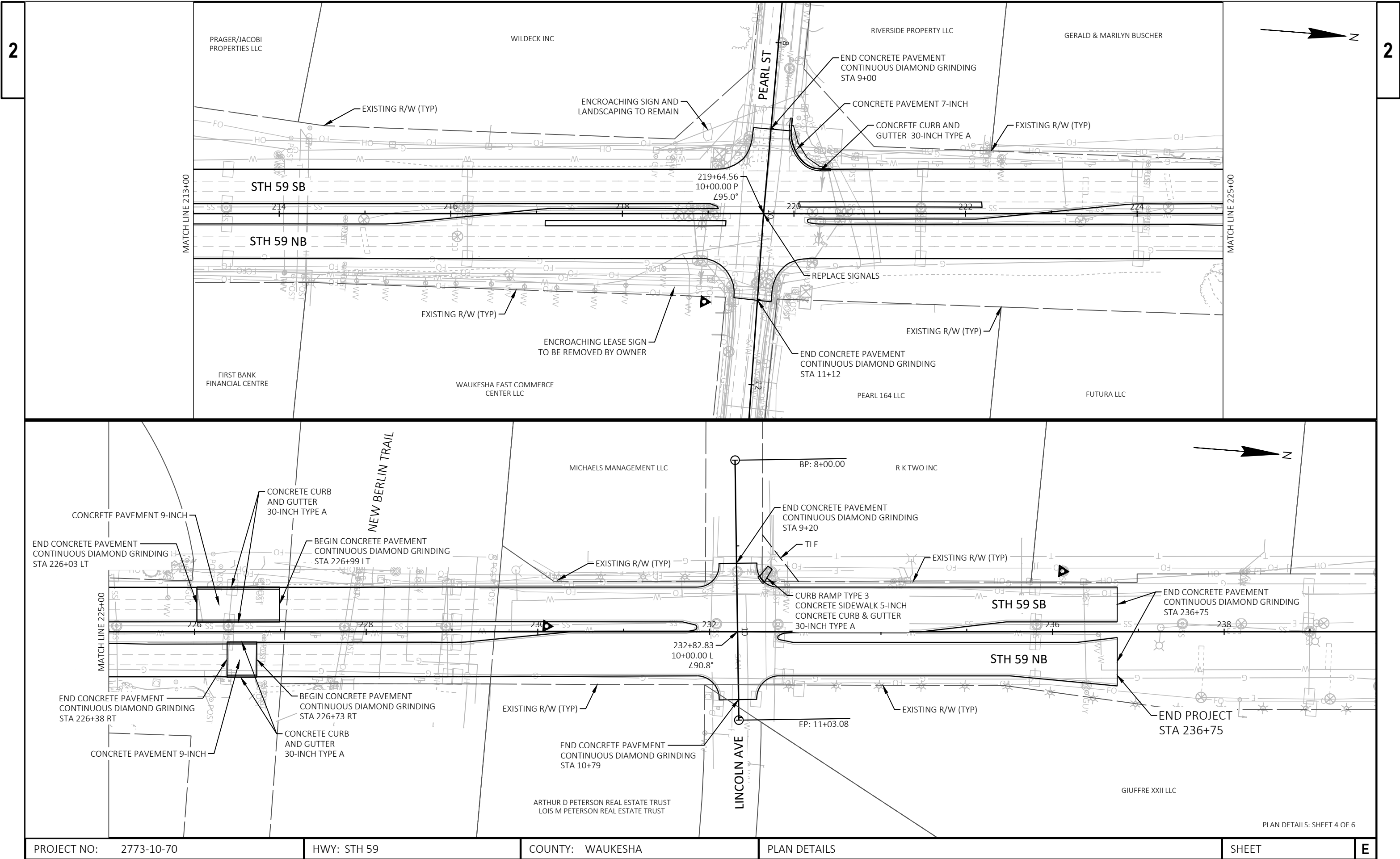


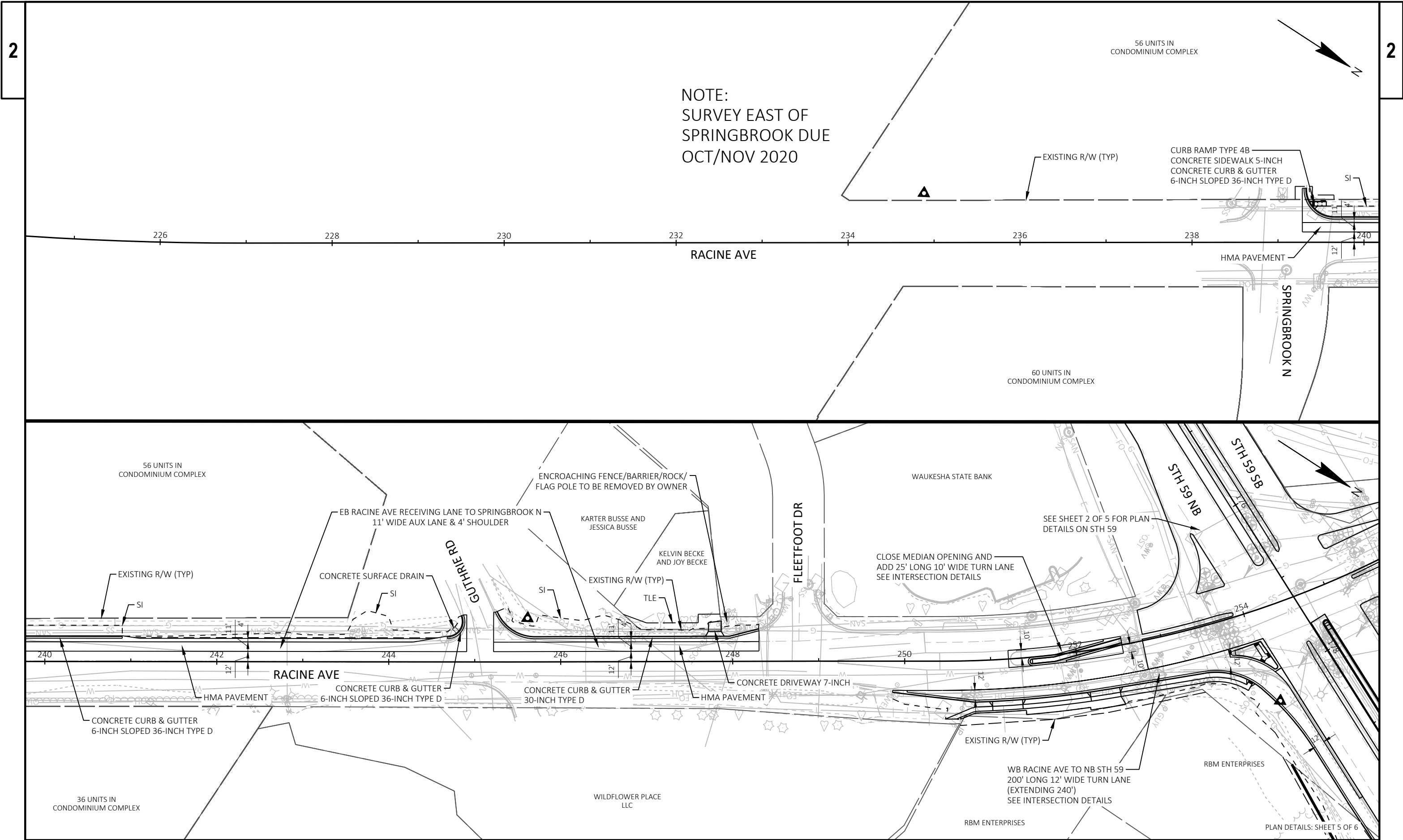
PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	PLAN DETAILS	SHEET	E
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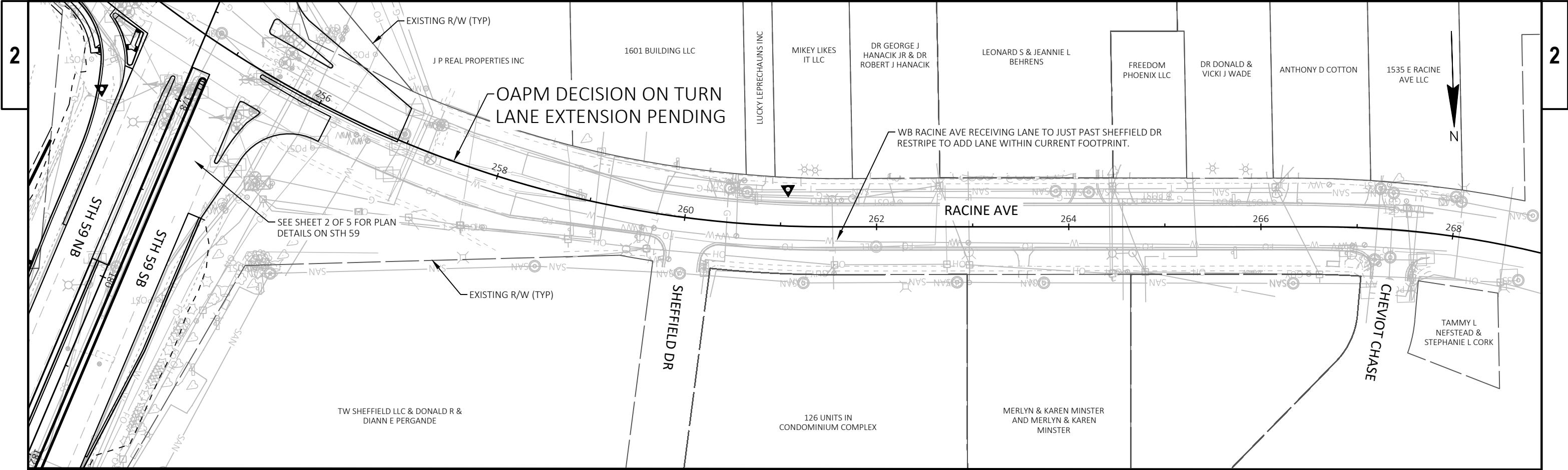


PROJECT NO:	2773-10-70	HWY:	STH 59	COUNTY:	WAUKESHA	PLAN DETAILS	SHEET	E
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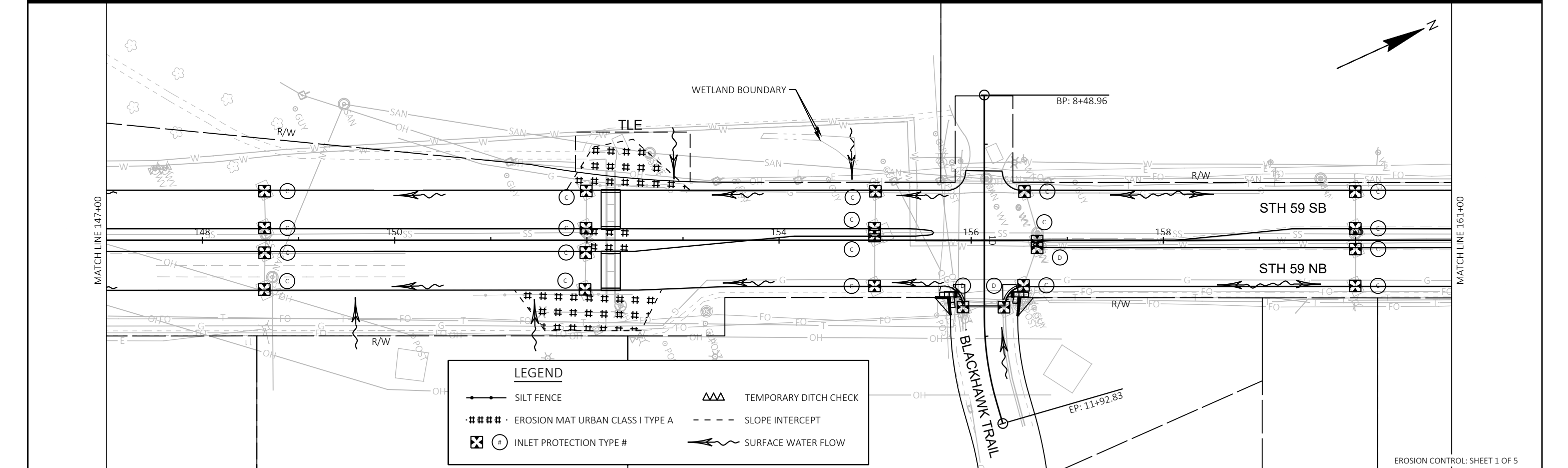
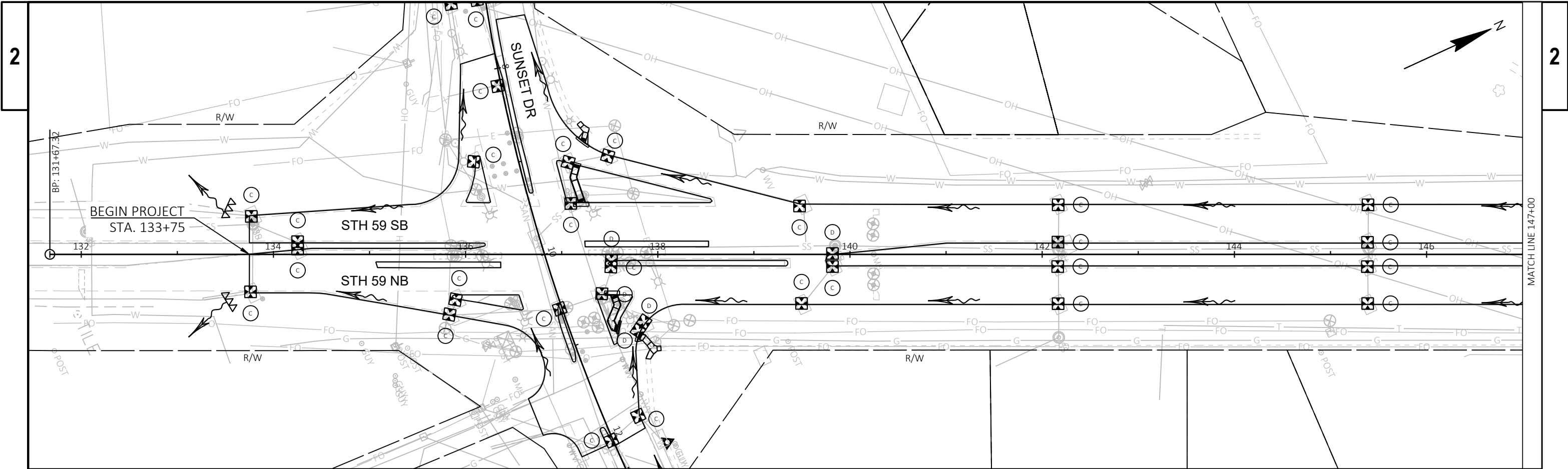


PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	PLAN DETAILS	SHEET	E
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PLAN DETAILS: SHEET 6 OF 6

PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	PLAN DETAILS	SHEET	E
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LEGEND

SILT FENCE

#####

EROSION MAT URBAN CLASS I TYPE A

#

INLET PROTECTION TYPE #

TEMPORARY DITCH CHECK

SLOPE INTERCEPT

SURFACE WATER FLOW

PROJECT NO: 2773-10-70

HWY: STH 59

COUNTY: WAUKESHA

EROSION CONTROL

SHEET

E

FILE NAME : \\WKERTOVFILP01\N3PUBLIC\PD5\C3D\27731001\SHEETSPLAN\022001-EC.DWG

LAYOUT NAME - 022001-ec

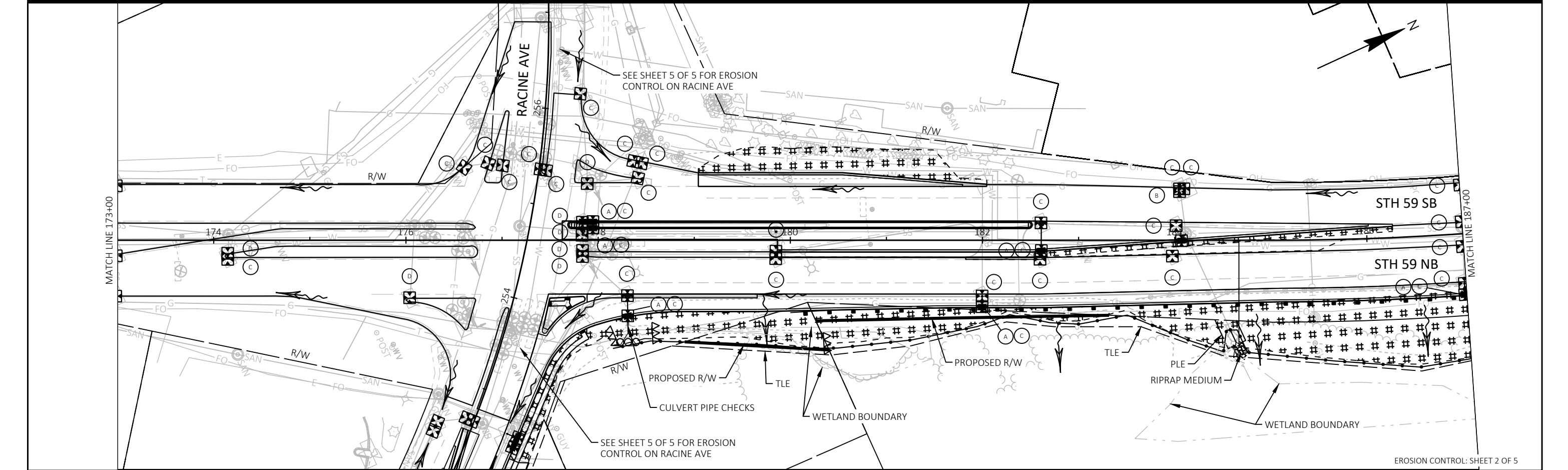
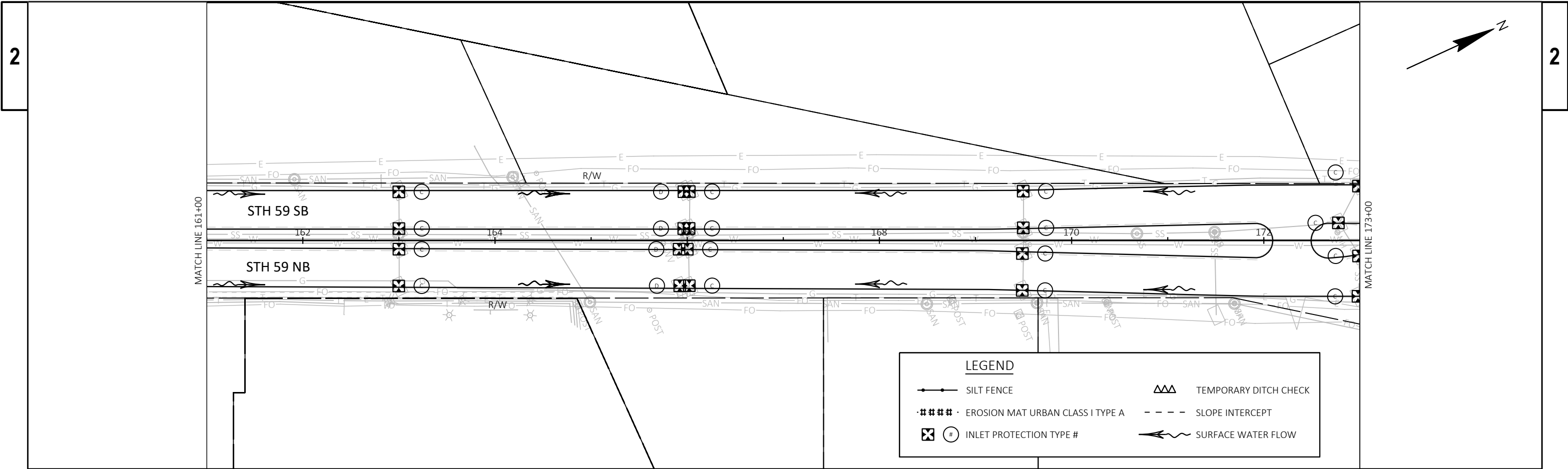
PLOT DATE : 10/8/2020 3:58 PM

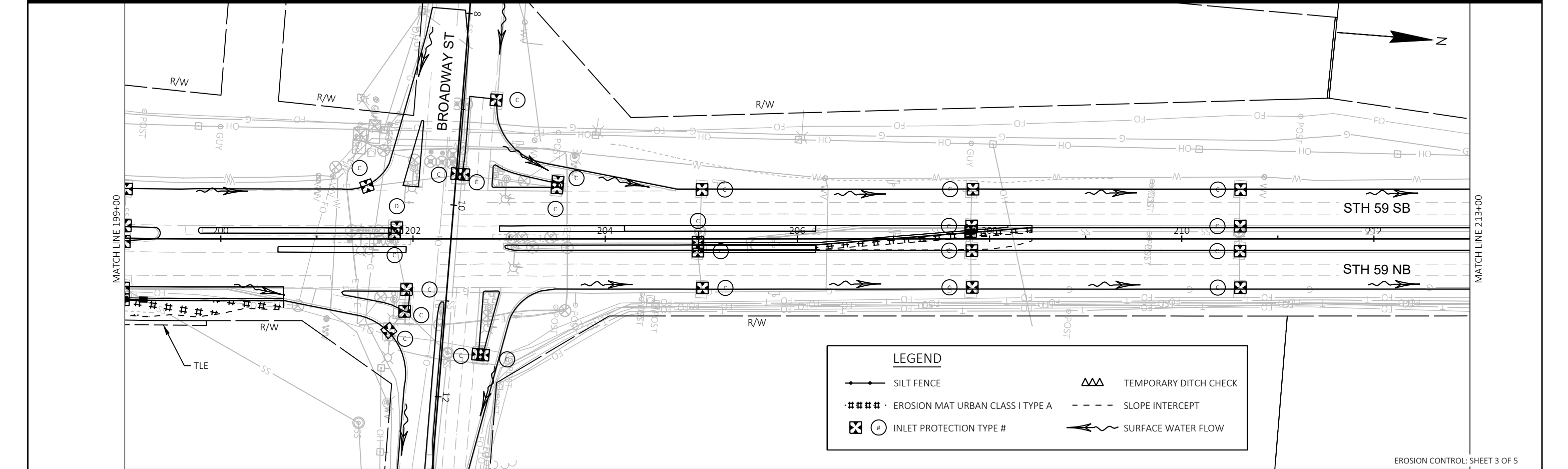
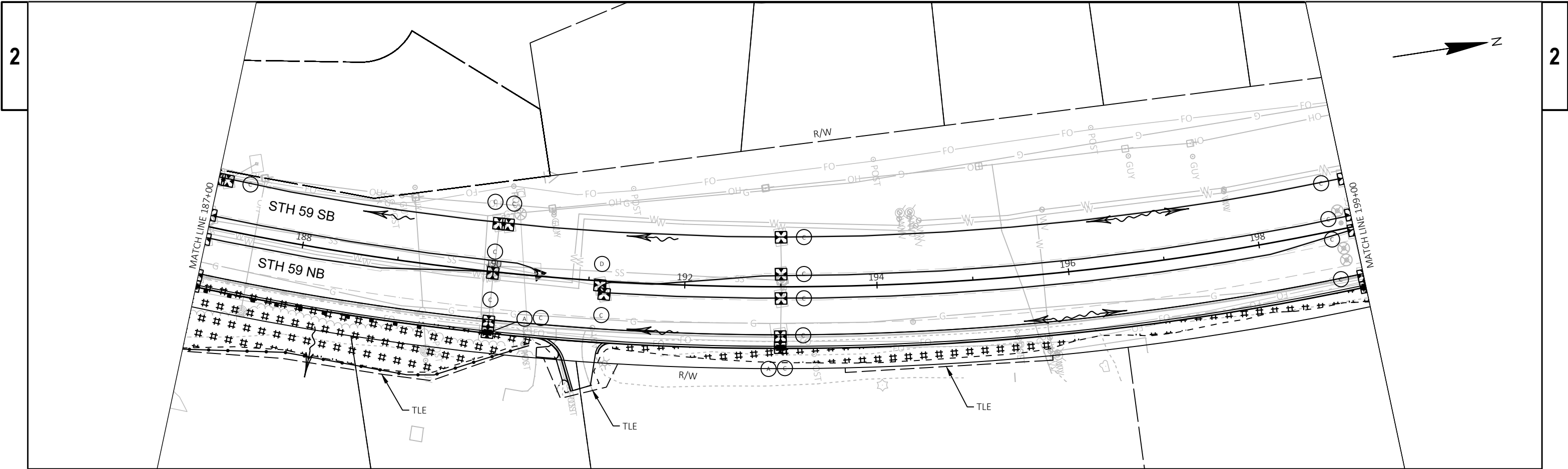
PLOT BY : MATHENY, ROBERT B

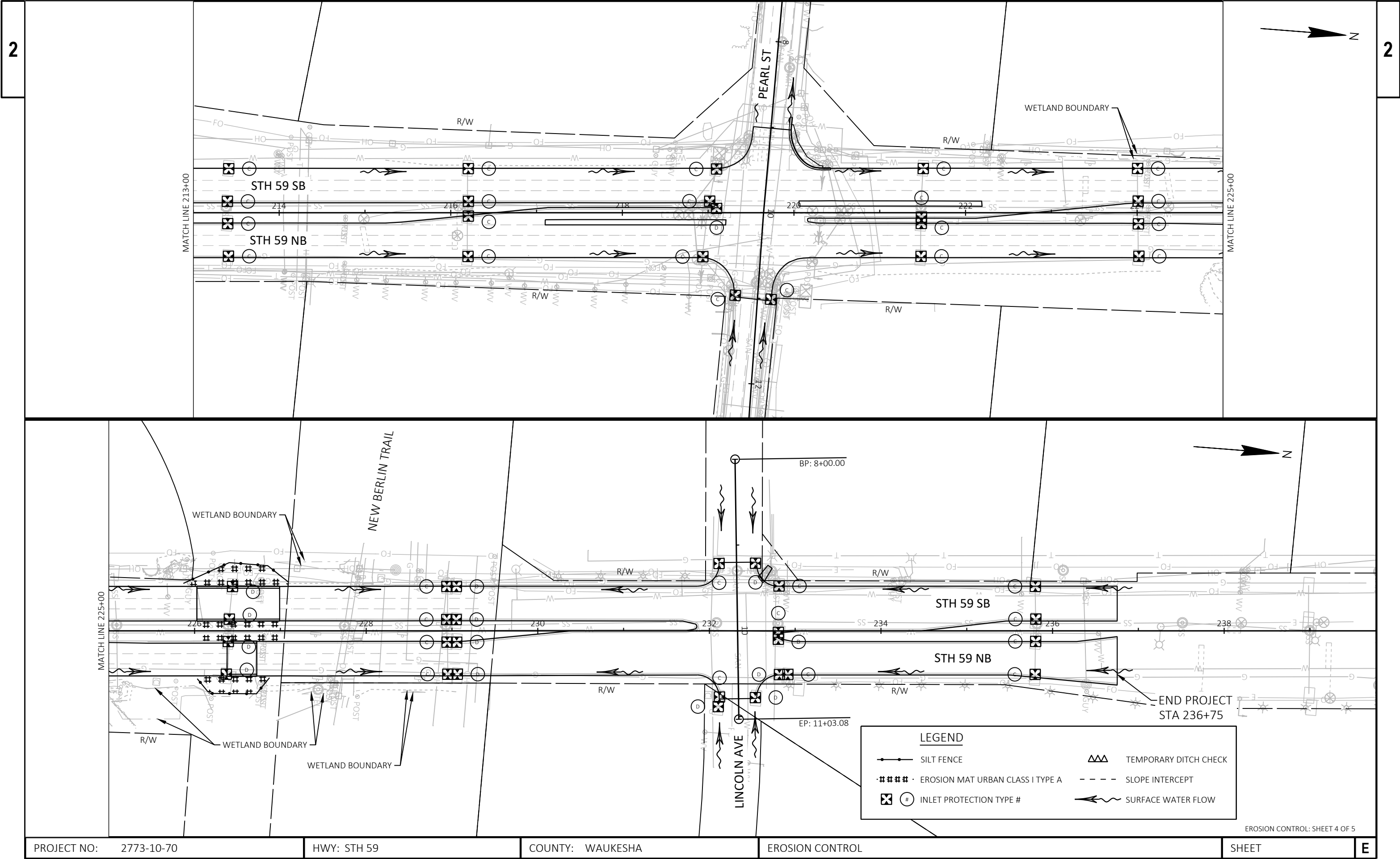
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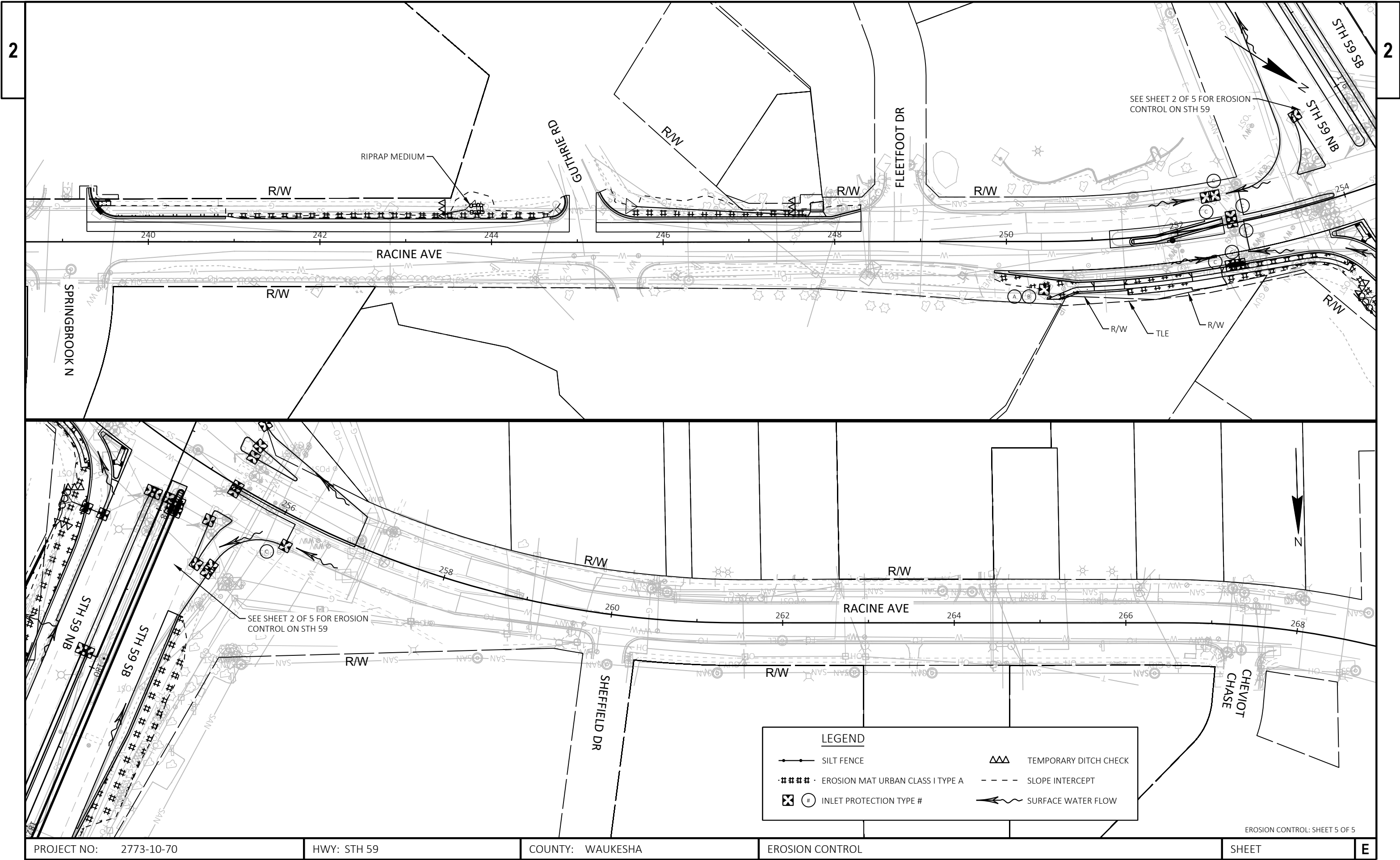
PLOT SCALE : #####

WISDOT/CADD5 SHEET 42

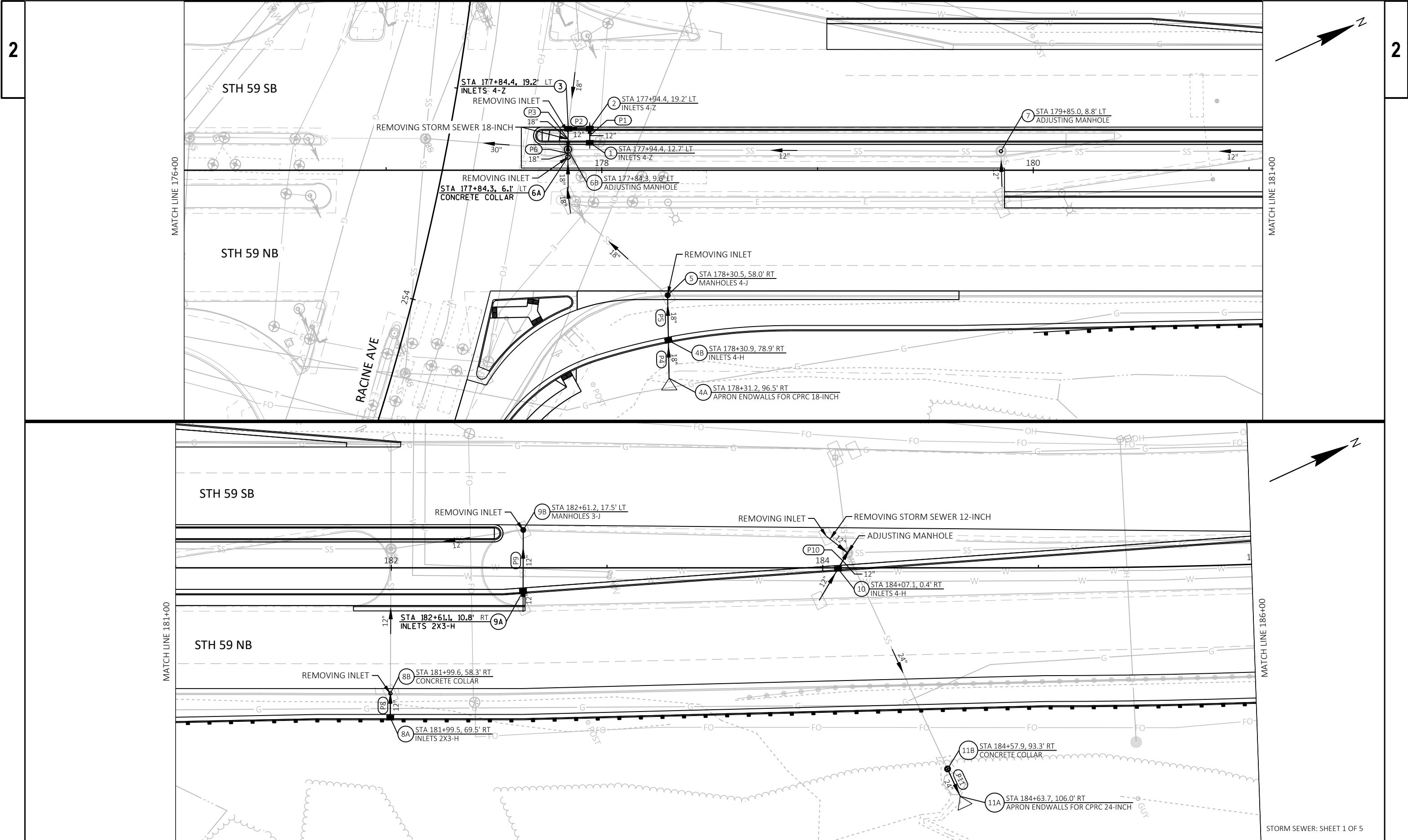


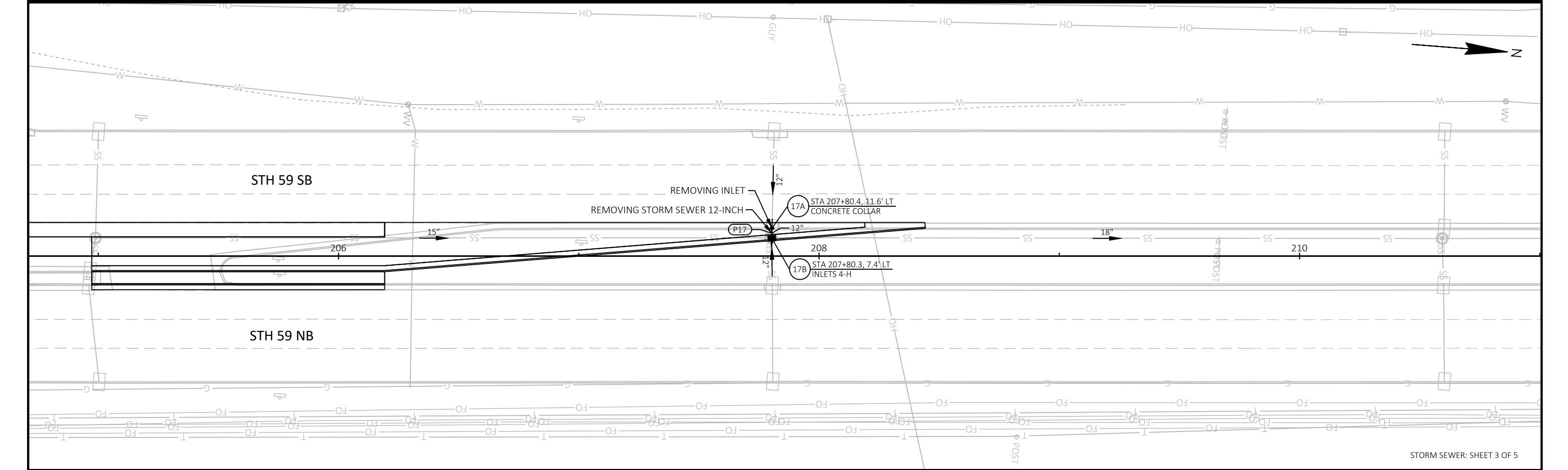
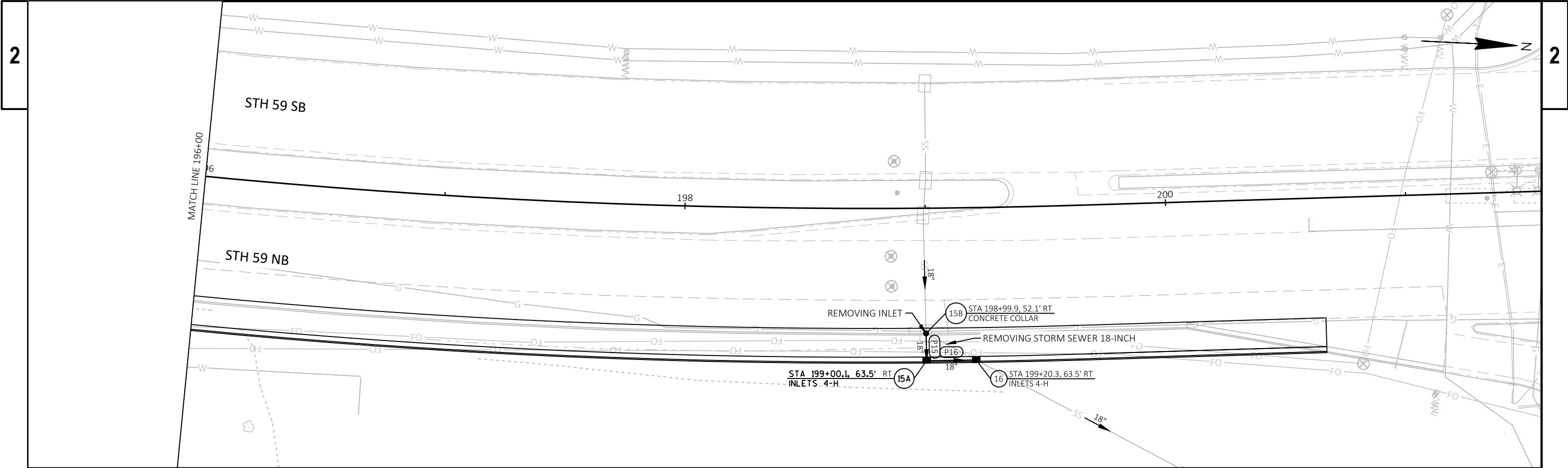






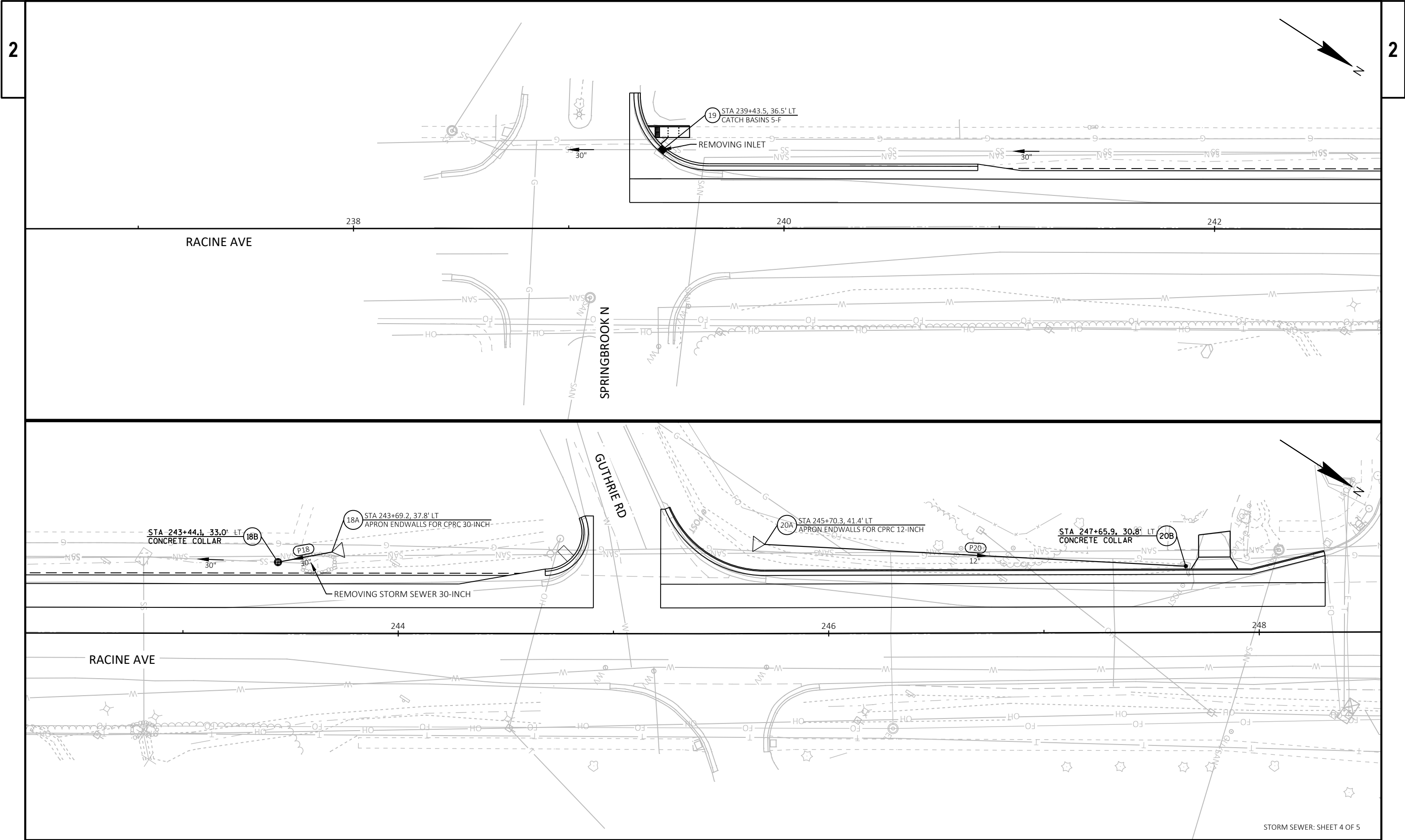
PROJECT NO:	2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	EROSION CONTROL	SHEET	E
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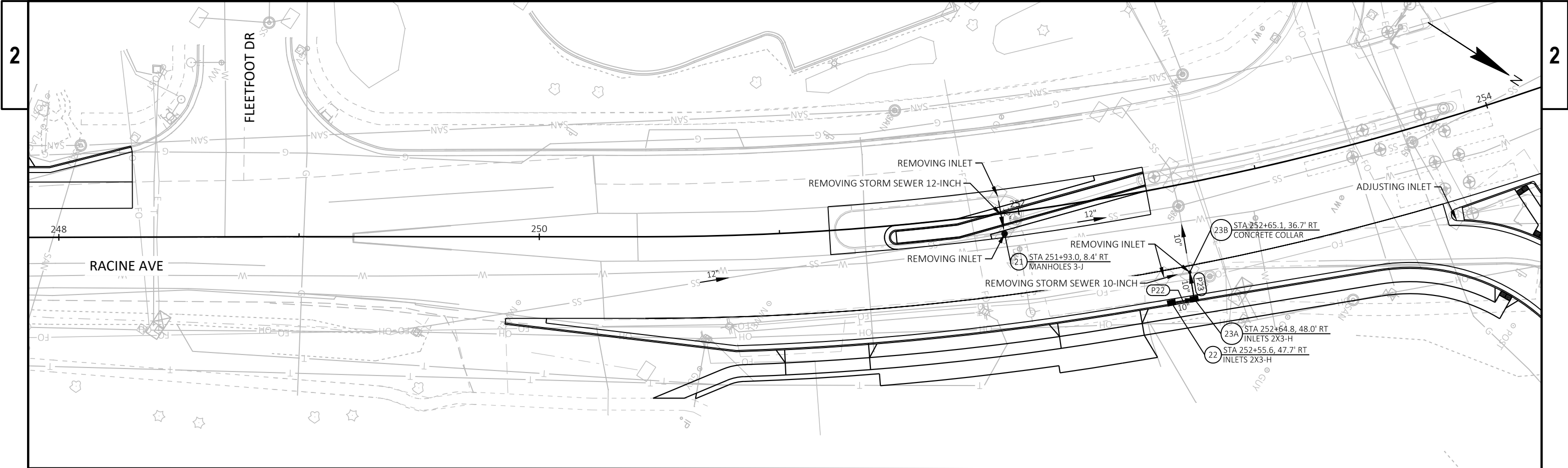


STORM SEWER: SHEET 3 OF 5

PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	STORM SEWER	SHEET	E
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PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	STORM SEWER	SHEET	E
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STORM SEWER: SHEET 5 OF 5

PROJECT NO: 2773-10-70

HWY: STH 59

COUNTY: WAUKESHA

STORM SEWER

SHEET

E

FILE NAME : \\WKERTOV\FILP\01\N3PUBLIC\PD\5\C3D\27731001\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022505-ss

PLOT DATE : 10/8/2020 4:04 PM

PLOT BY : MATHENY, ROBERT B

PLOT NAME :

PLOT SCALE : #####

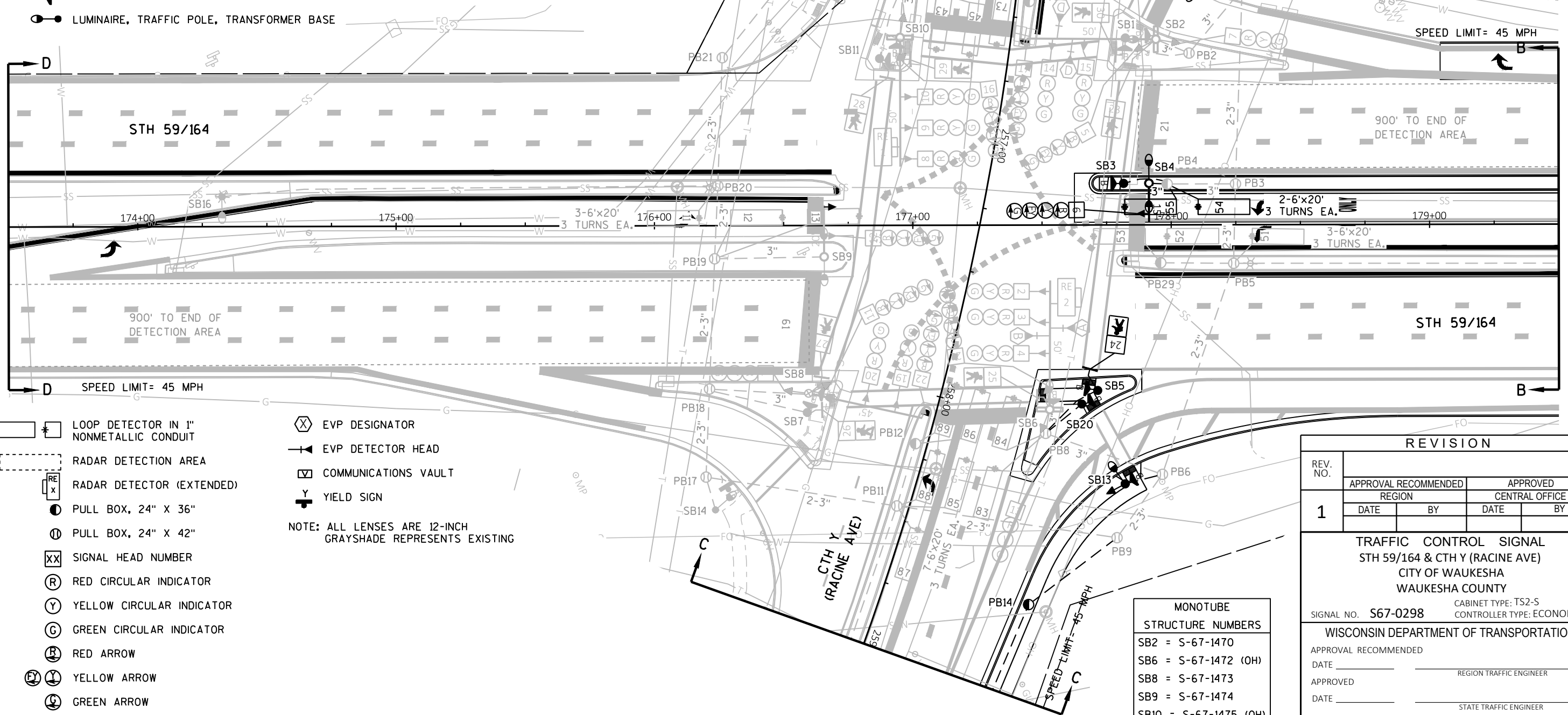
WISDOT/CADDs SHEET 42

LEGEND

- ☒ CONTROL CABINET
- — — NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- — — NONMETALLIC INTERCONNECT CONDUIT
- — — LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- ◀● SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) ○ MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) ⊗ MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) ⊙ MONOTUBE BASE, POLE, 50'-55' ARM
- ◀● PEDESTRIAN HEAD WITH AUDIBLE PUSH BUTTON
- ◀● AUDIBLE PUSH BUTTON
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE

CONSTRUCTION NOTES:

- * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
- THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
- ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.
- DETECTABLE WARNING FIELDS AND PAVEMENT MARKINGS ARE SHOWN IN GRAYSHADE FOR PLAN CLARITY.



- ☒ LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- ☒ RADAR DETECTION AREA
- ☒ RADAR DETECTOR (EXTENDED)
- PULL BOX, 24" X 36"
- ⊙ PULL BOX, 24" X 42"
- (XX) SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW
- ◀● WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- ⊗ EVP DESIGNATOR
- ◀● EVP DETECTOR HEAD
- ☒ COMMUNICATIONS VAULT
- Y YIELD SIGN
- NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

MONOTUBE STRUCTURE NUMBERS	
SB2	= S-67-1470
SB6	= S-67-1472 (OH)
SB8	= S-67-1473
SB9	= S-67-1474
SB10	= S-67-1475 (OH)

REVISION

REV. NO.				
	APPROVAL RECOMMENDED		APPROVED	
1	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
TRAFFIC CONTROL SIGNAL STH 59/164 & CTH Y (RACINE AVE) CITY OF WAUKESHA WAUKESHA COUNTY				
SIGNAL NO. S67-0298			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			PAGE 1 OF 3	
DESIGNED BY:				
REVISED BY: C. VANDE LEEST				

PROJECT NO: 2773-10-70

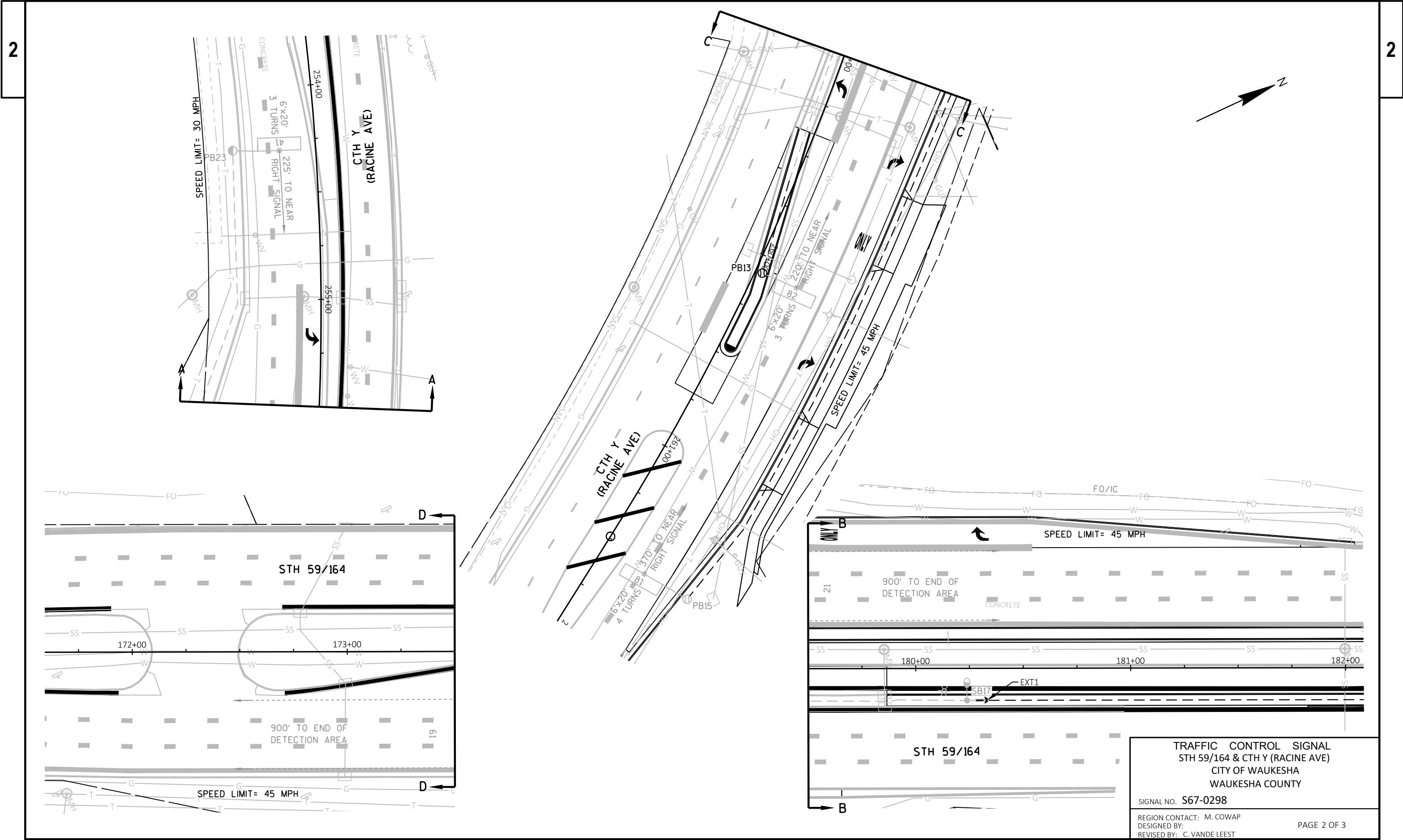
HWY: STH 59/164

COUNTY: WAUKESHA

TRAFFIC SIGNAL PLAN

SHEET

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LEGEND

- ☒ CONTROL CABINET
- — — NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- - - NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- ◀● SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) ○ MONOTUBE BASE, POLE, 15'-30' ARM
- (XX) □ MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- * □ LOOP DETECTOR IN 1" NONMETALLIC CONDUIT

VIDEO DETECTION AREA

VIDEO DETECTION CAMERA

● PULL BOX, 24" X 36"

⓪ PULL BOX, 24" X 42"

☒ XX SIGNAL HEAD NUMBER

Ⓡ RED CIRCULAR INDICATOR

Ⓢ YELLOW CIRCULAR INDICATOR

Ⓢ GREEN CIRCULAR INDICATOR

Ⓡ RED ARROW

Ⓢ YELLOW ARROW

Ⓢ GREEN ARROW

Ⓢ EVP DESIGNATOR

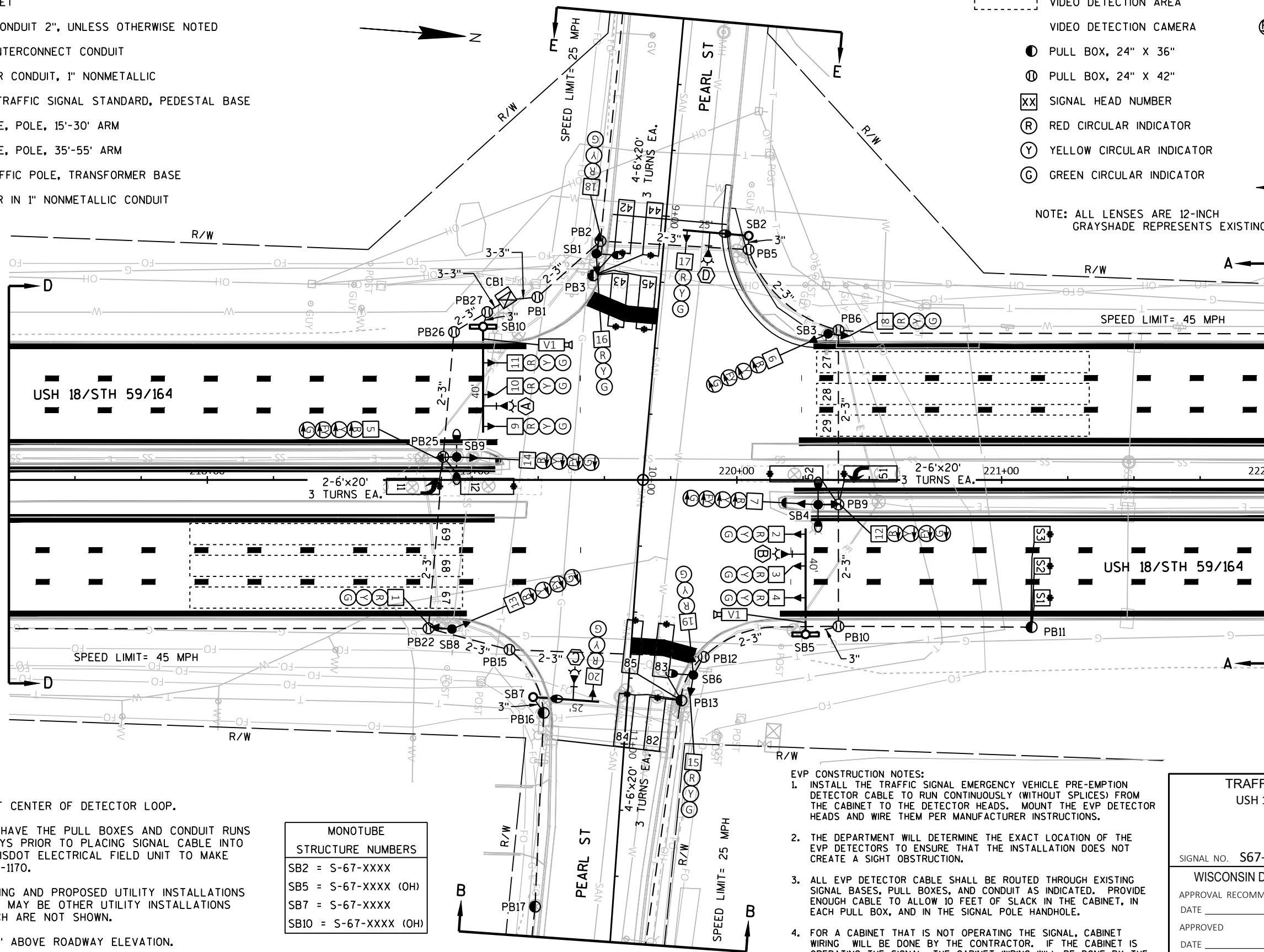
▶ EVP DETECTOR HEAD

✧ CONFIRMATION LIGHT

☒ COMMUNICATIONS VAULT

↔ LANE DESIGNATION FOR INFO ONLY

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

- * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
- THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
- THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
- INSTALL CABINET BASE 6" ABOVE ROADWAY ELEVATION.
- ALL LUMINAIRES ARE LED-C UNLESS OTHERWISE NOTED.

MONOTUBE STRUCTURE NUMBERS	
SB2	= S-67-XXXX
SB5	= S-67-XXXX (OH)
SB7	= S-67-XXXX
SB10	= S-67-XXXX (OH)

EVP CONSTRUCTION NOTES:

- INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
- THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
- ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
- FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).

TRAFFIC CONTROL SIGNAL

USH 18/STH 59/164 & PEARL ST
CITY OF WAUKESHA
WAUKESHA COUNTY

CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE

SIGNAL NO. S67-0398

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED

DATE _____ REGION TRAFFIC ENGINEER

APPROVED _____

DATE _____ STATE TRAFFIC ENGINEER

REGION CONTACT: M. COWAP

DESIGNED BY: C. VANDE LEEST

REVISED BY:

PAGE 1 OF 4

PROJECT NO: 2773-10-70

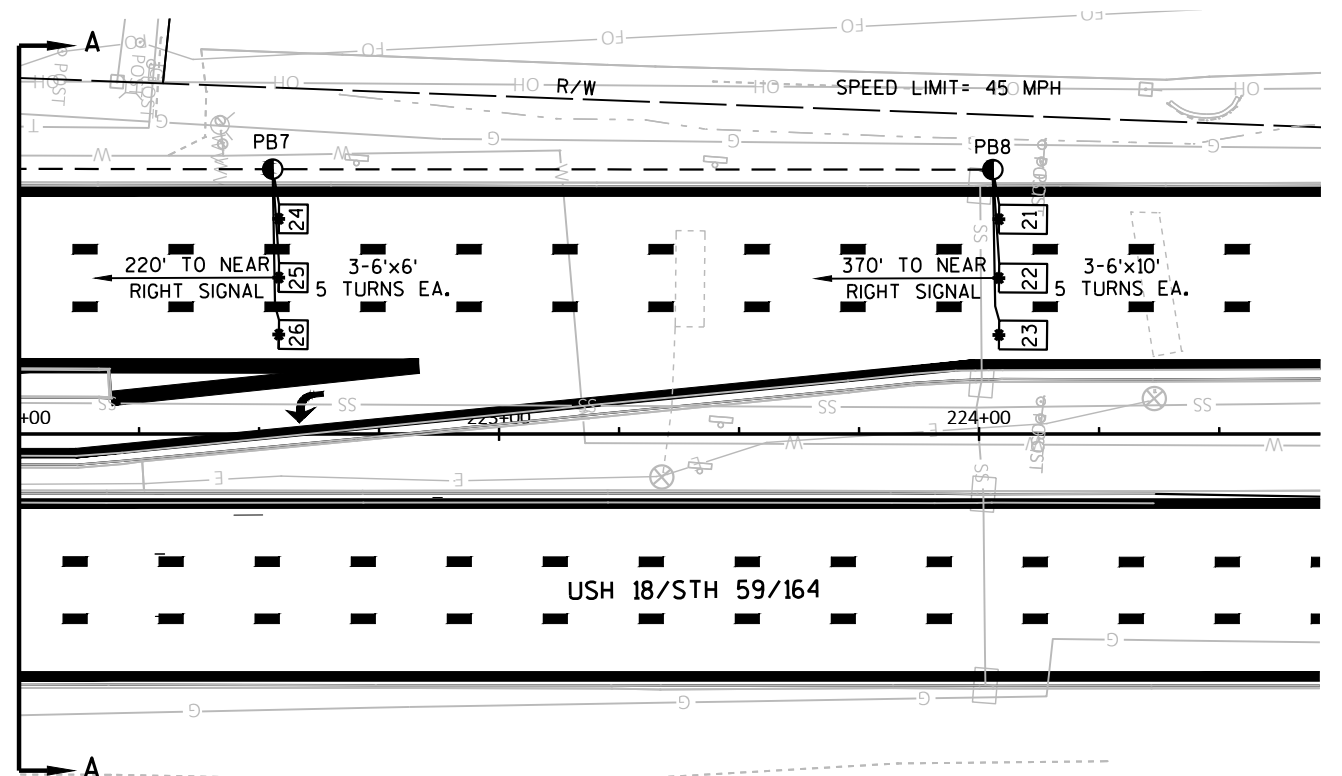
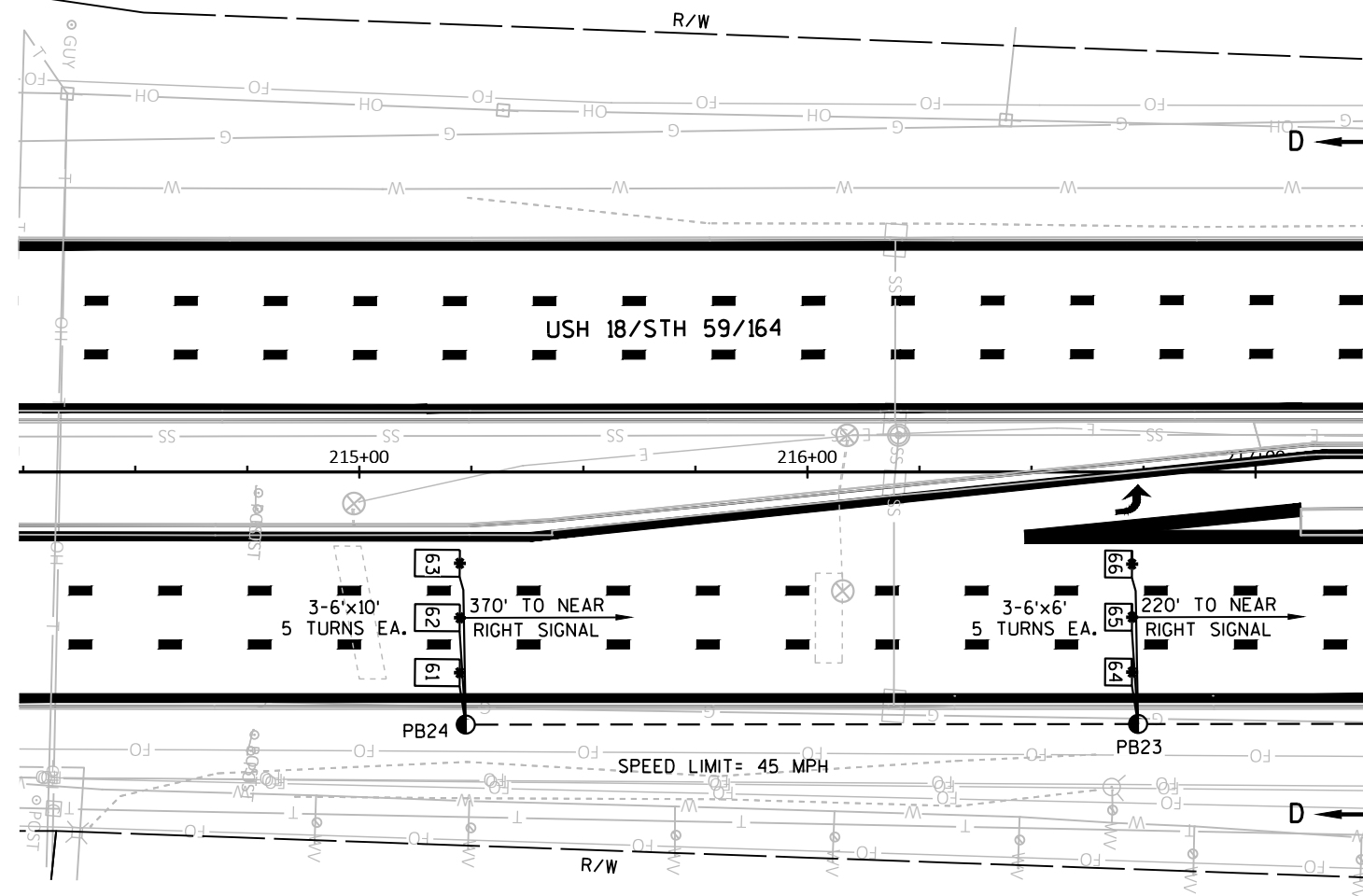
HWY: STH 59

COUNTY: WAUKESHA

TRAFFIC SIGNAL PLAN

SHEET

E



TRAFFIC CONTROL SIGNAL
USH 18/STH 59/164 & PEARL ST
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-0398

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEST
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 2773-10-70

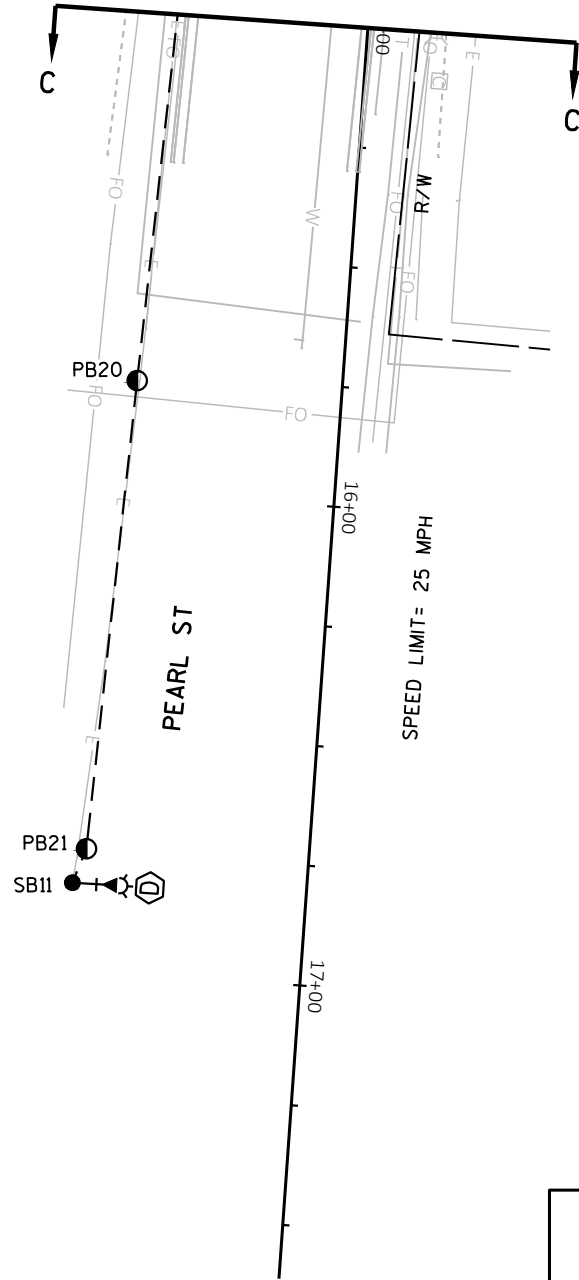
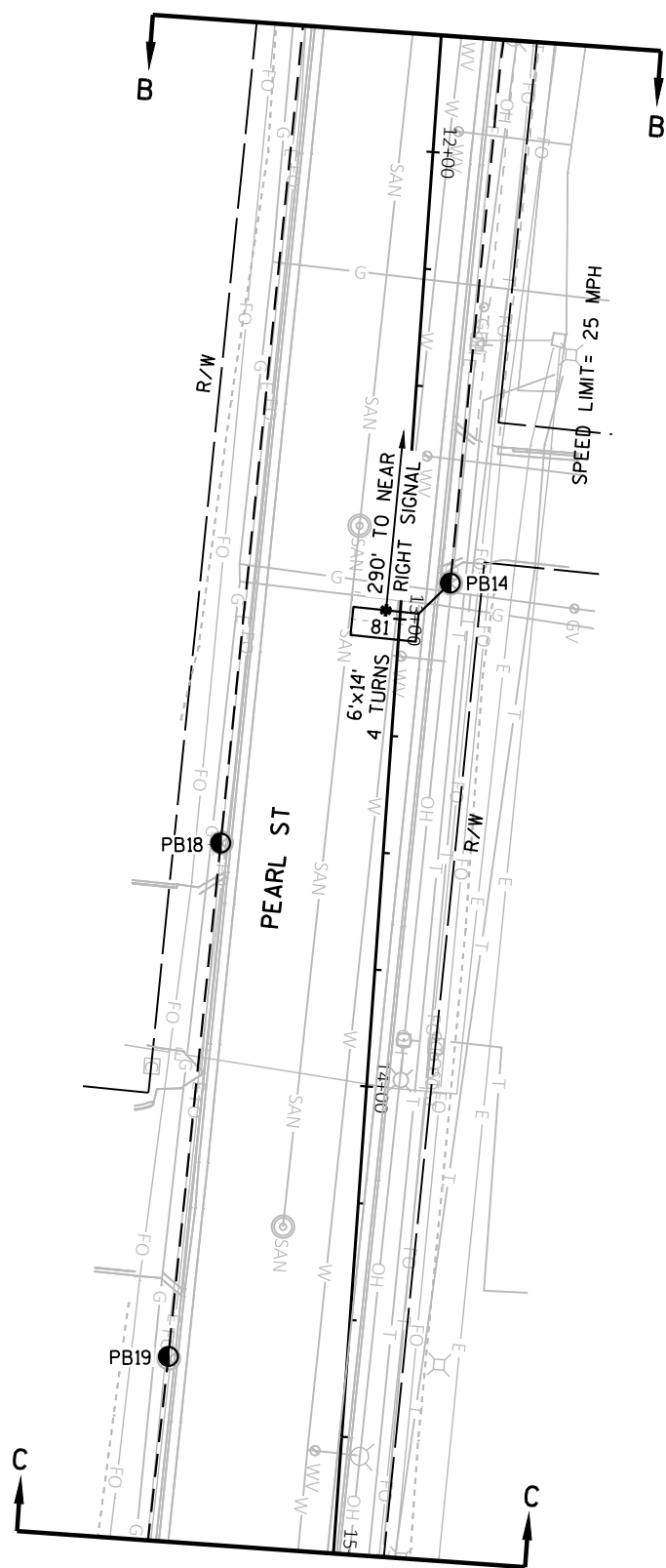
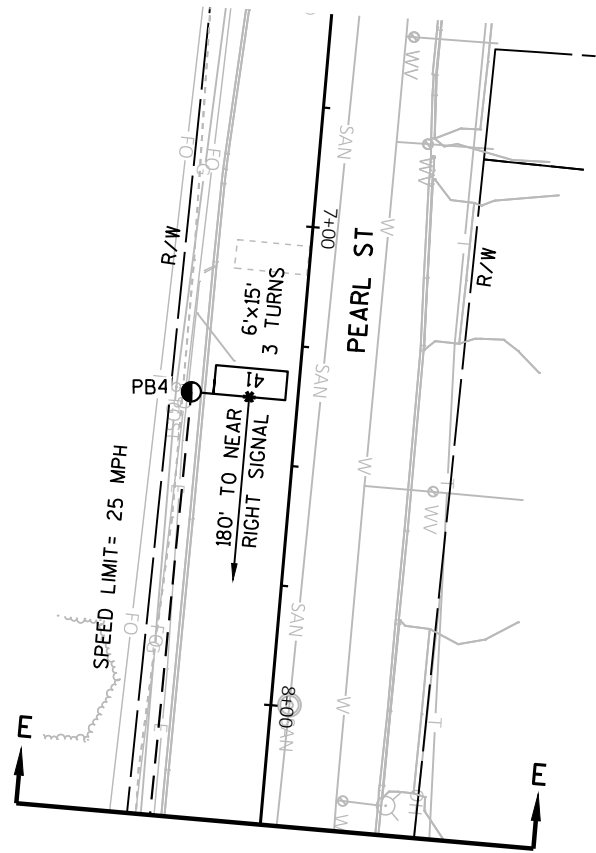
HWY: STH 59

COUNTY: WAUKESHA

TRAFFIC SIGNAL PLAN

SHEET

E

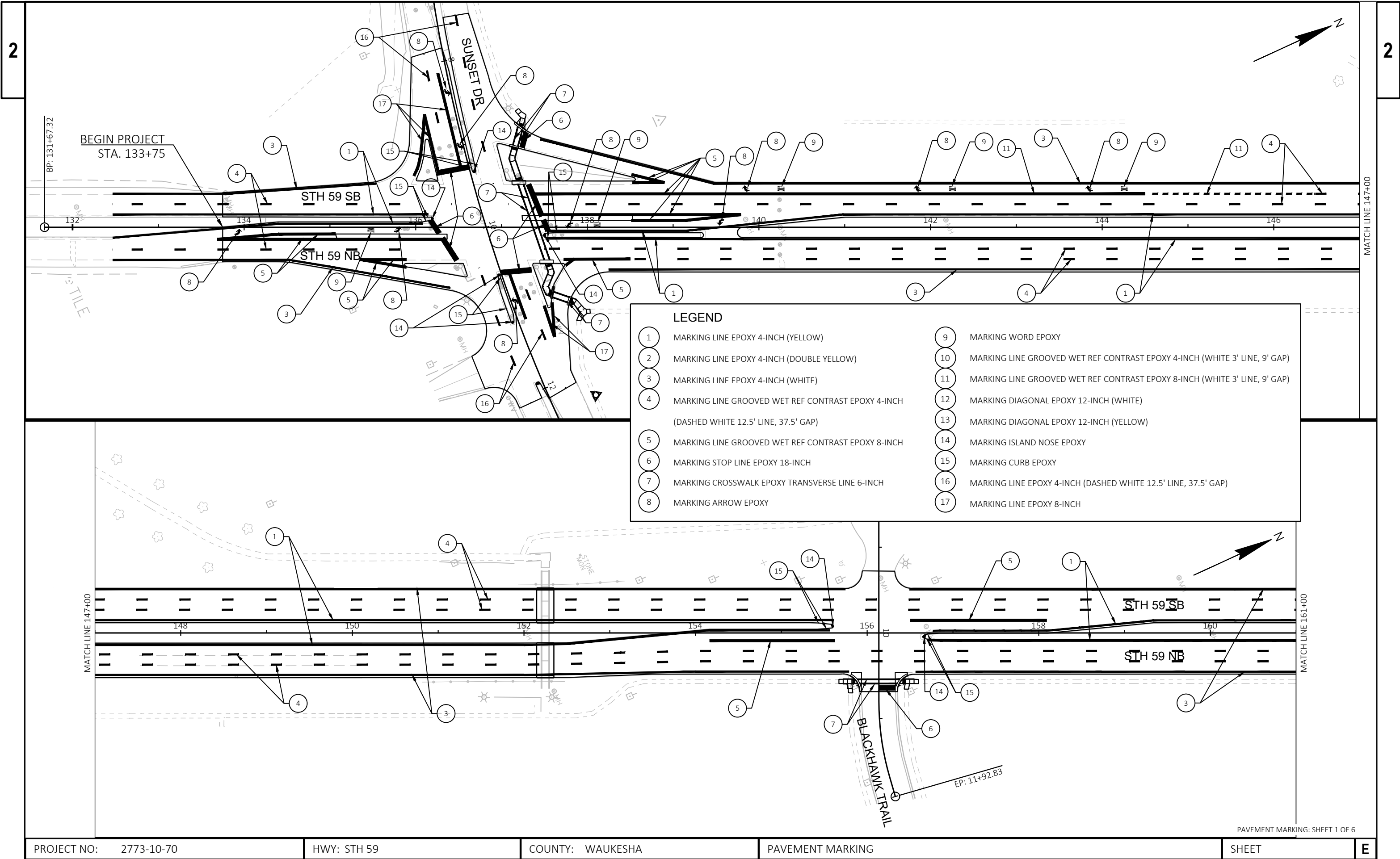


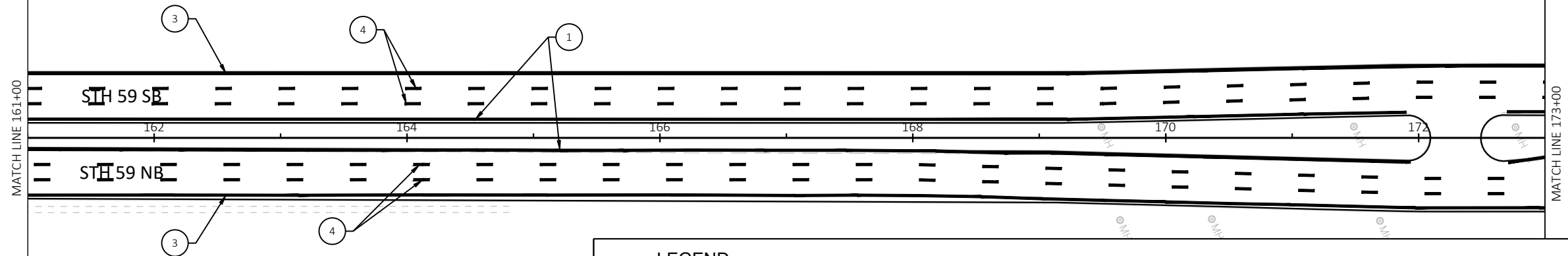
TRAFFIC CONTROL SIGNAL
USH 18/STH 59/164 & PEARL ST
CITY OF WAUKESHA
WAUKESHA COUNTY

SIGNAL NO. S67-0398

REGION CONTACT: M. COWAP
DESIGNED BY: C. VANDE LEEST
REVISED BY:

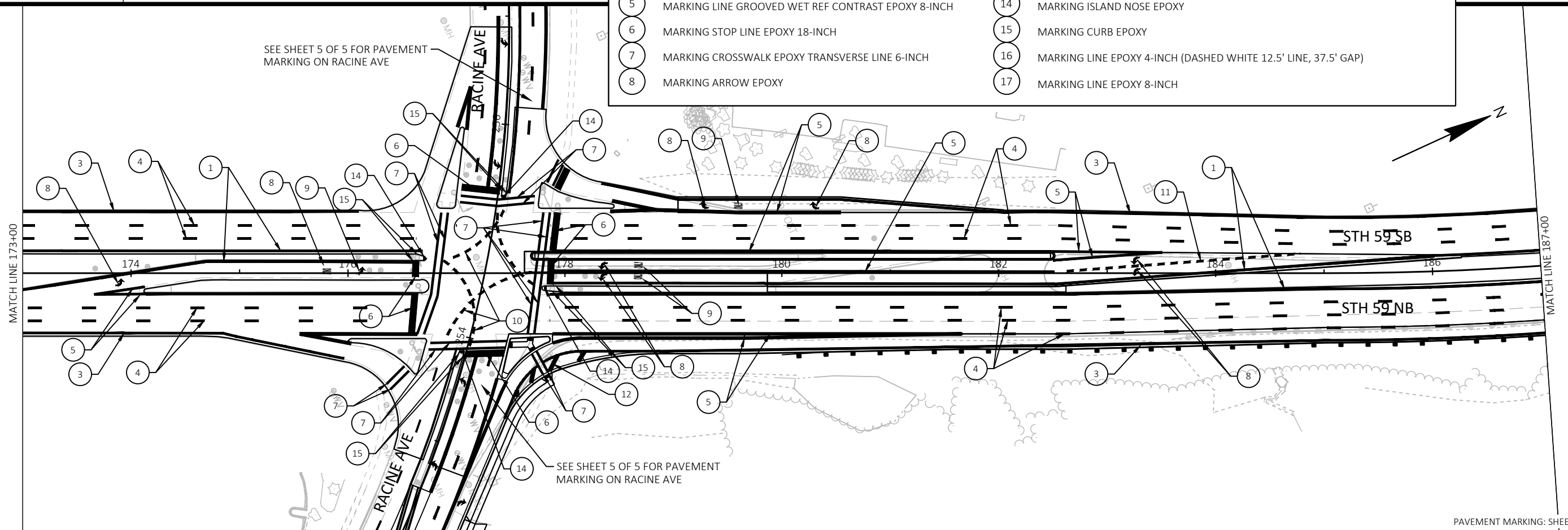
PAGE 3 OF 4





LEGEND

- | | | | |
|---|---|----|--|
| 1 | MARKING LINE EPOXY 4-INCH (YELLOW) | 9 | MARKING WORD EPOXY |
| 2 | MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW) | 10 | MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP) |
| 3 | MARKING LINE EPOXY 4-INCH (WHITE) | 11 | MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE 3' LINE, 9' GAP) |
| 4 | MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE, 37.5' GAP) | 12 | MARKING DIAGONAL EPOXY 12-INCH (WHITE) |
| 5 | MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH | 13 | MARKING DIAGONAL EPOXY 12-INCH (YELLOW) |
| 6 | MARKING STOP LINE EPOXY 18-INCH | 14 | MARKING ISLAND NOSE EPOXY |
| 7 | MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH | 15 | MARKING CURB EPOXY |
| 8 | MARKING ARROW EPOXY | 16 | MARKING LINE EPOXY 4-INCH (DASHED WHITE 12.5' LINE, 37.5' GAP) |
| | | 17 | MARKING LINE EPOXY 8-INCH |



PROJECT NO: 2773-10-70

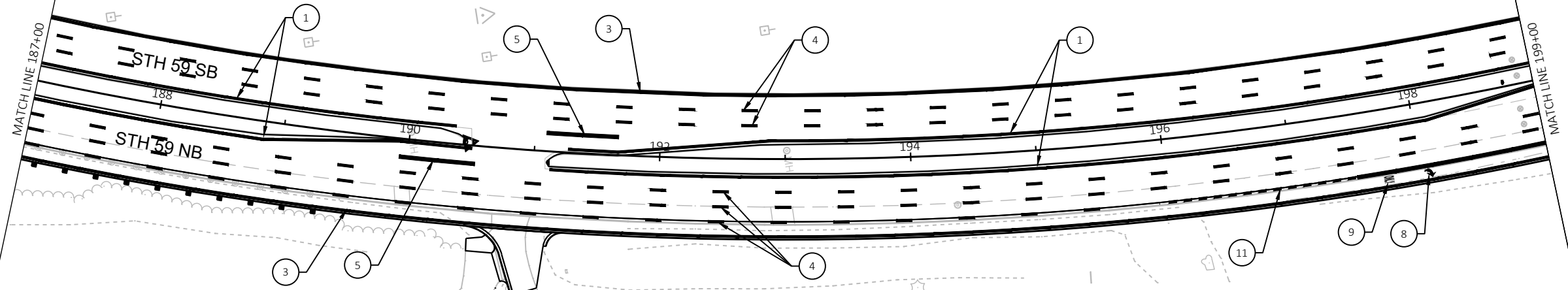
HWY: STH 59

COUNTY: WAUKESHA

PAVEMENT MARKING

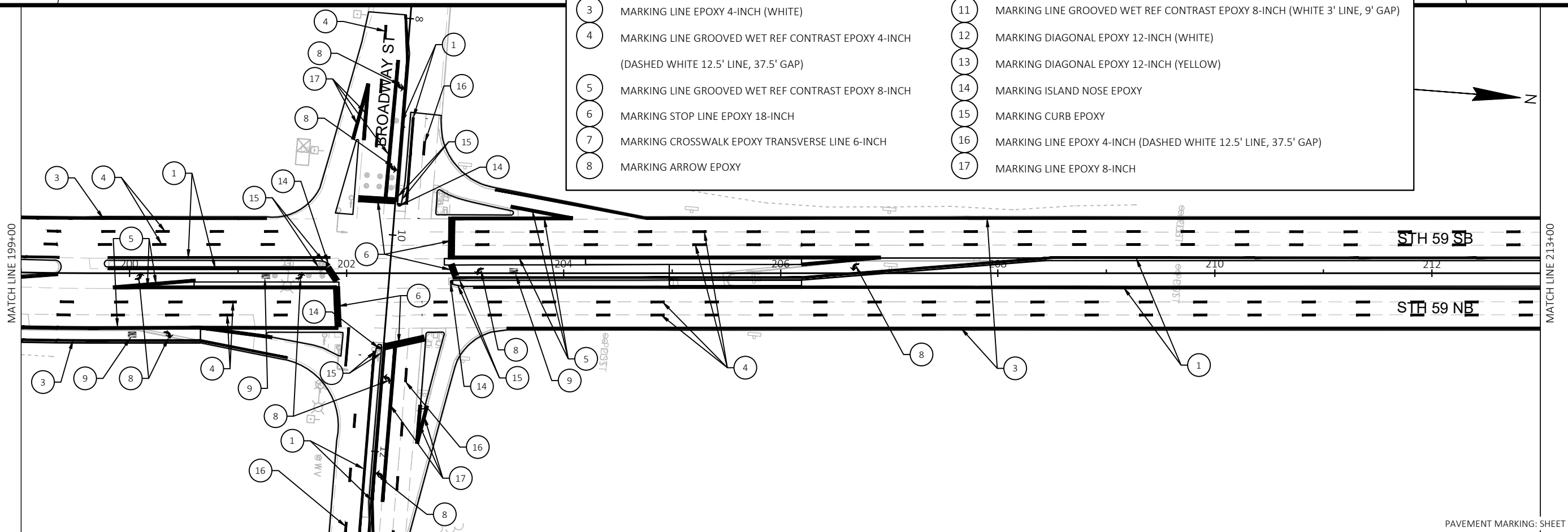
SHEET

E

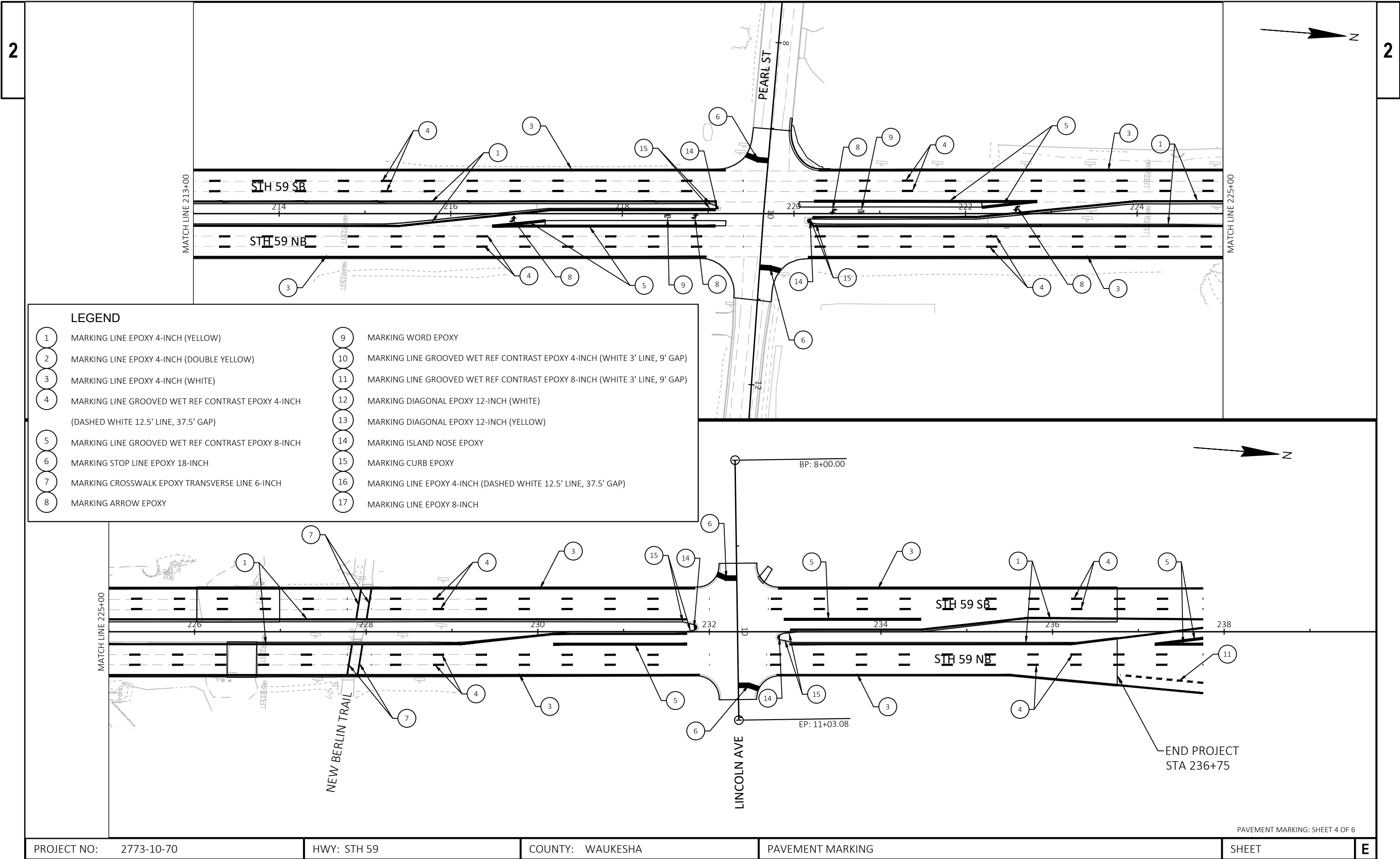


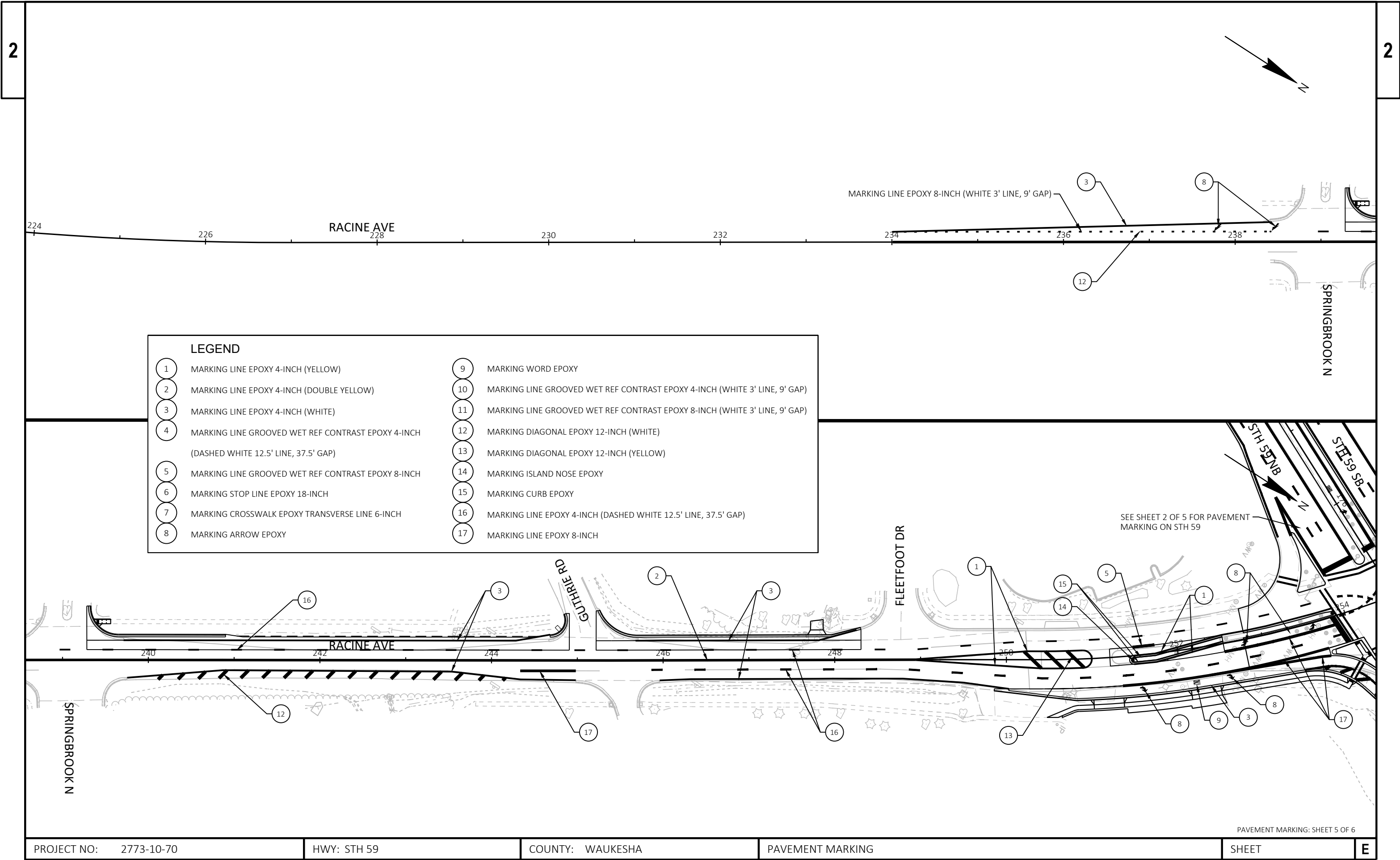
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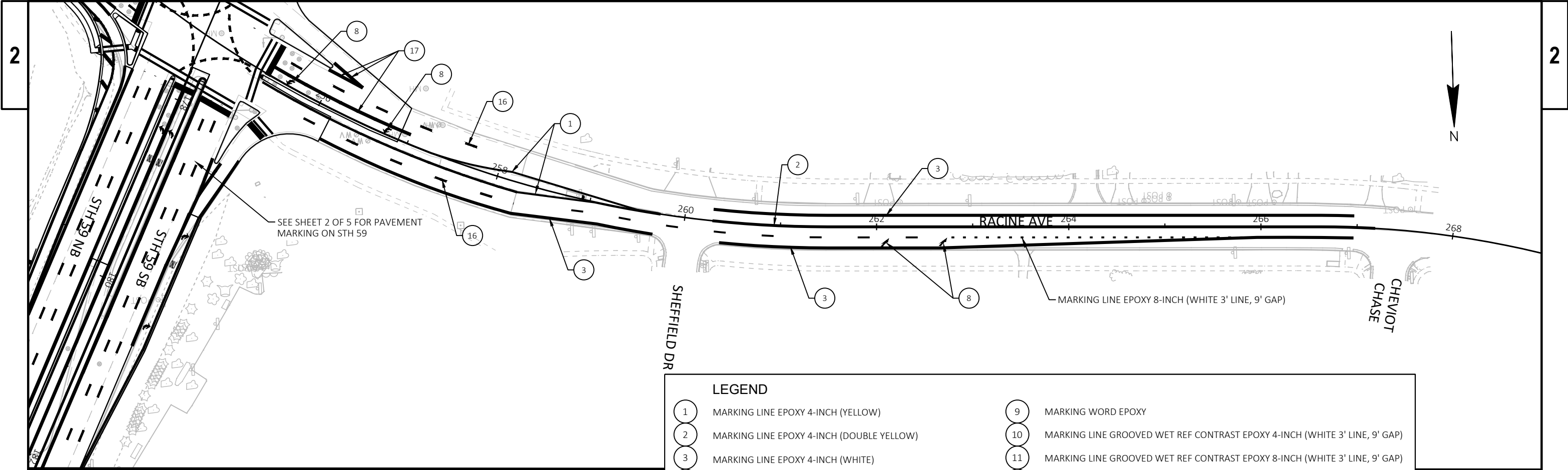
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|---|---|----|--|
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| 2 | MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW) | 10 | MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE 3' LINE, 9' GAP) |
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| | | 17 | MARKING LINE EPOXY 8-INCH |



PAVEMENT MARKING: SHEET 3 OF 6

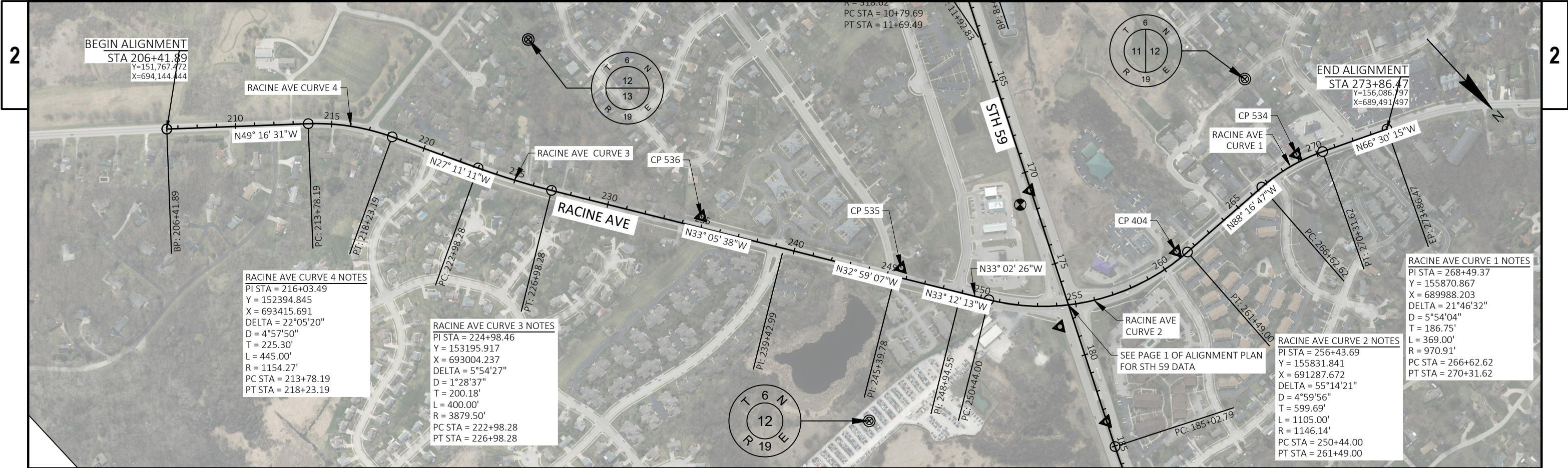


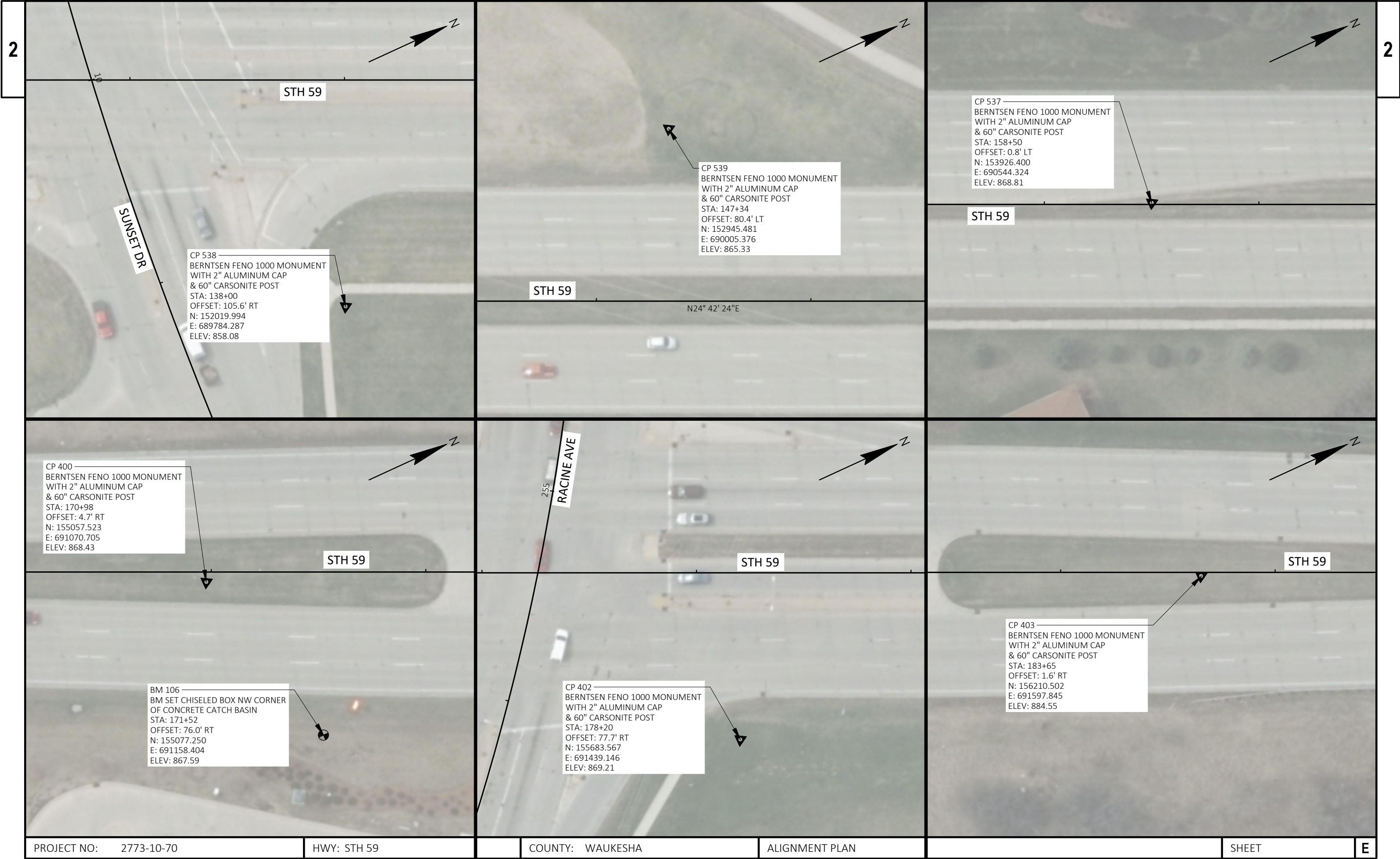




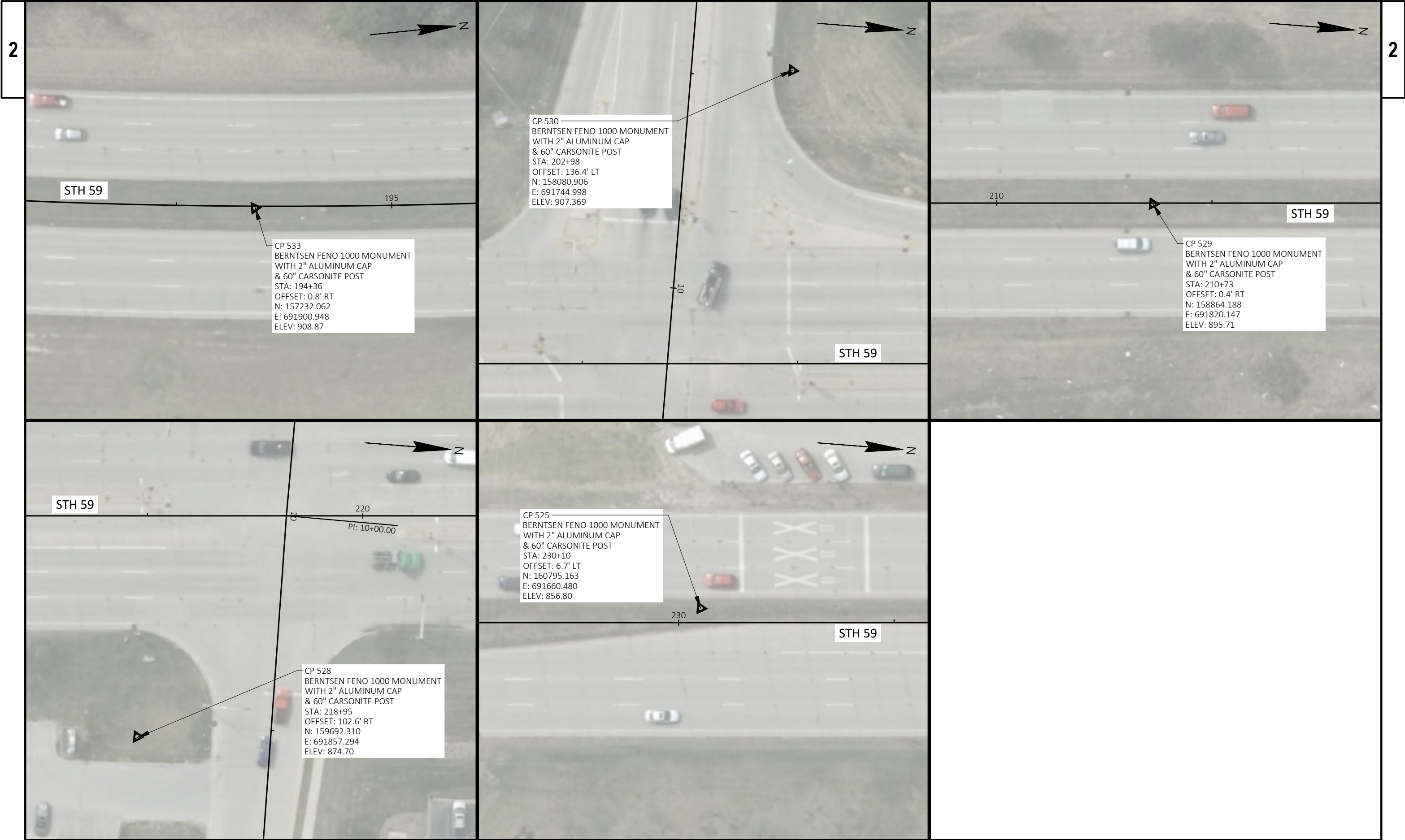
LEGEND	
1	MARKING LINE EPOXY 4-INCH (YELLOW)
2	MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW)
3	MARKING LINE EPOXY 4-INCH (WHITE)
4	MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DASHED WHITE 12.5' LINE, 37.5' GAP)
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15	MARKING CURB EPOXY
16	MARKING LINE EPOXY 4-INCH (DASHED WHITE 12.5' LINE, 37.5' GAP)
17	MARKING LINE EPOXY 8-INCH



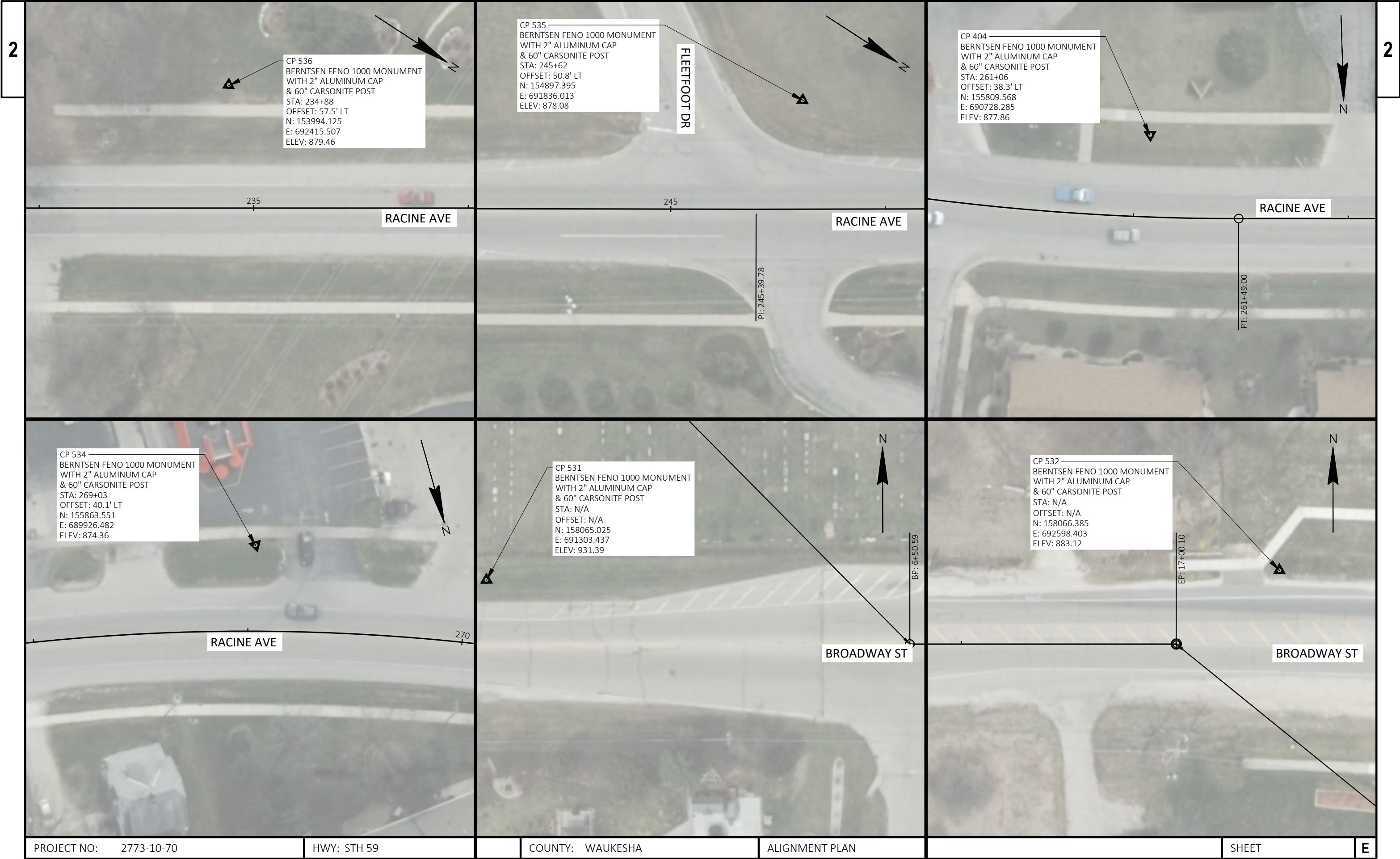


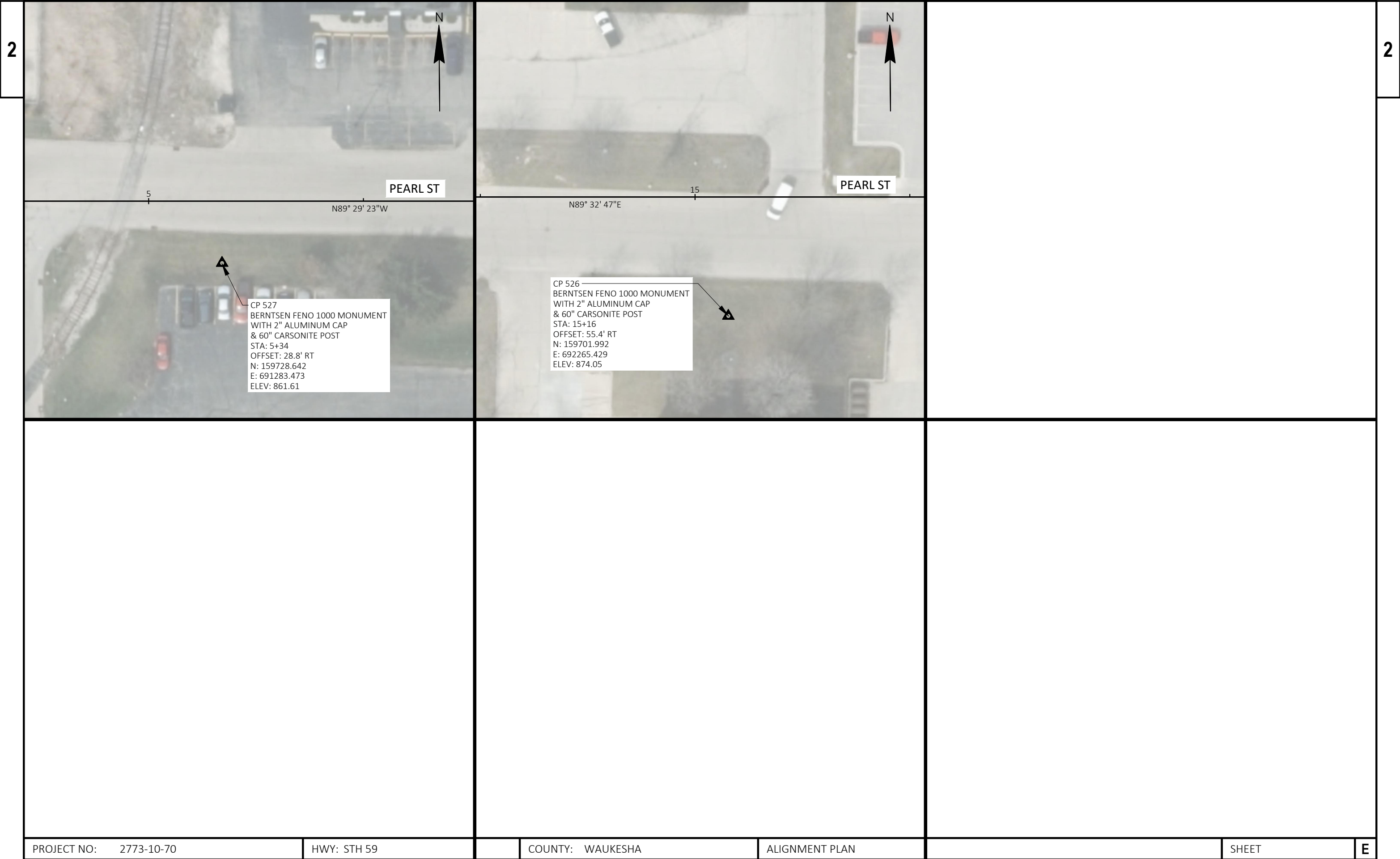


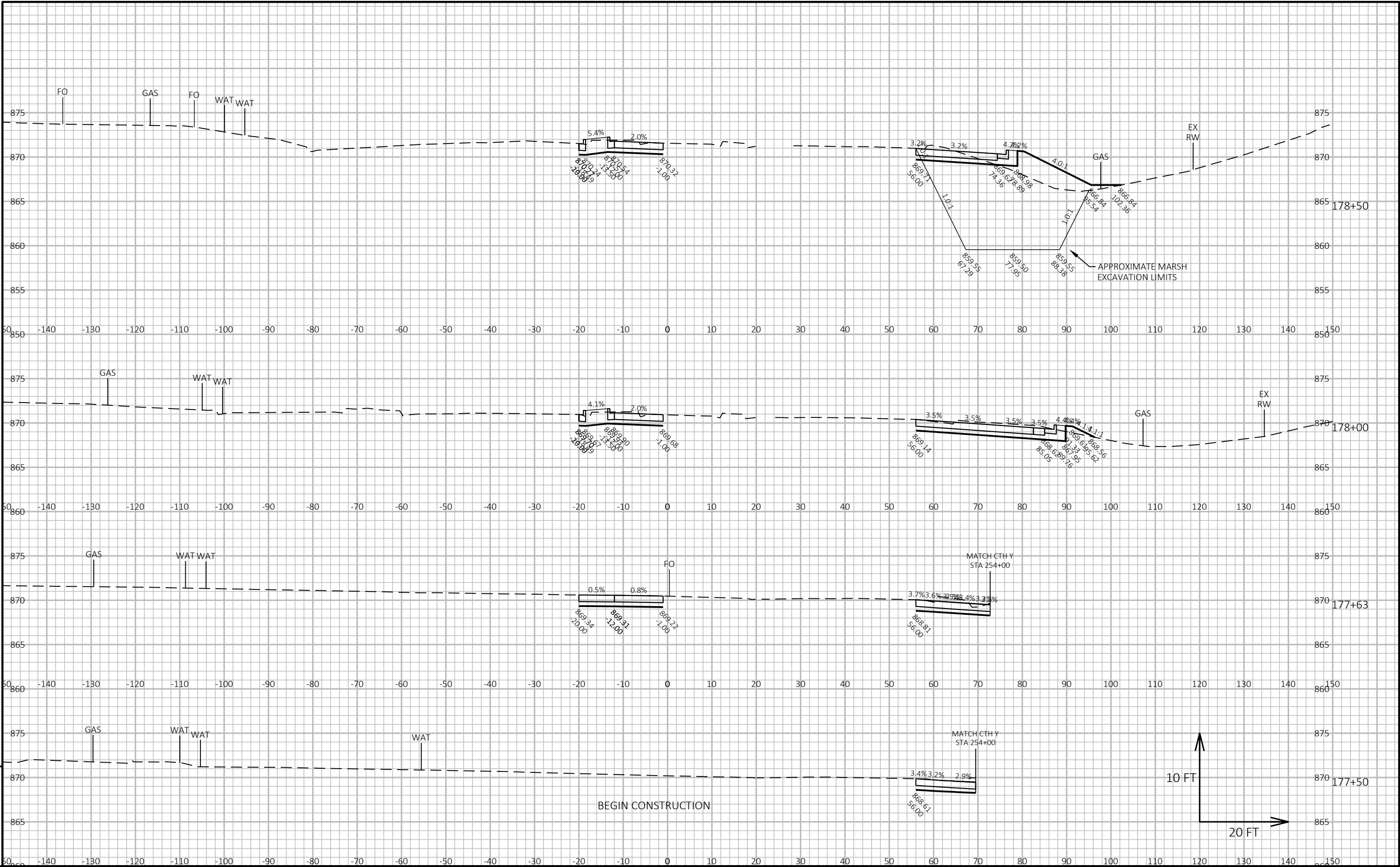
PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	ALIGNMENT PLAN	SHEET	E
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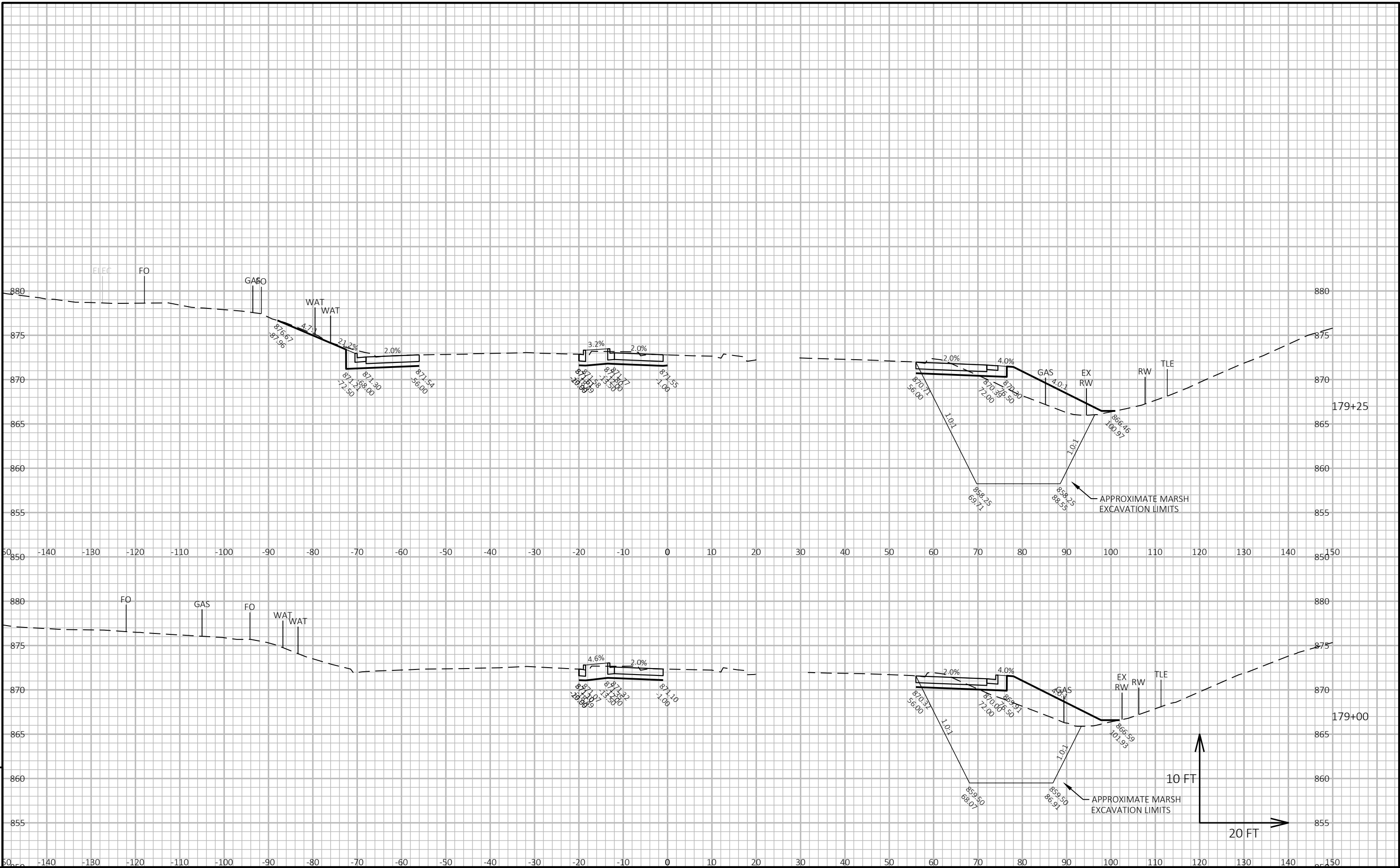
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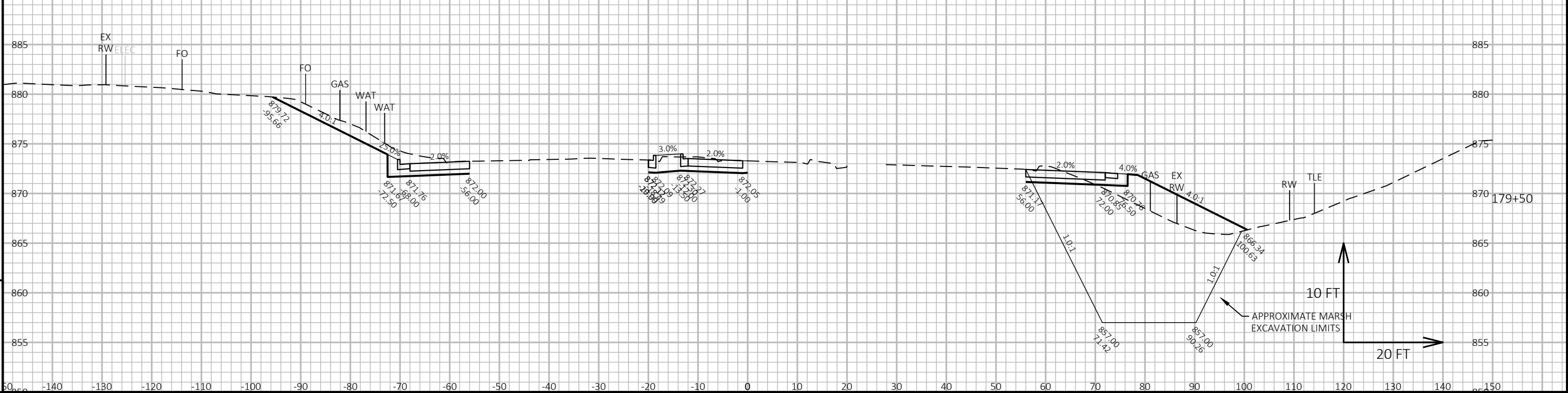
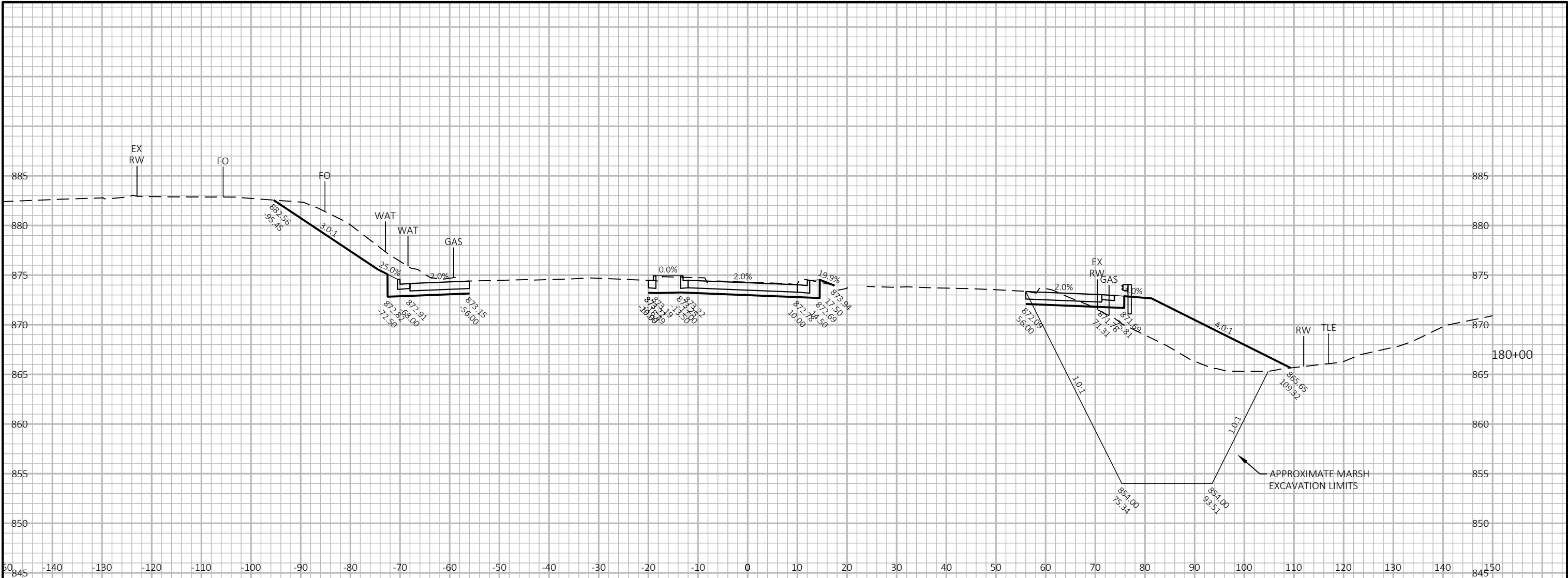




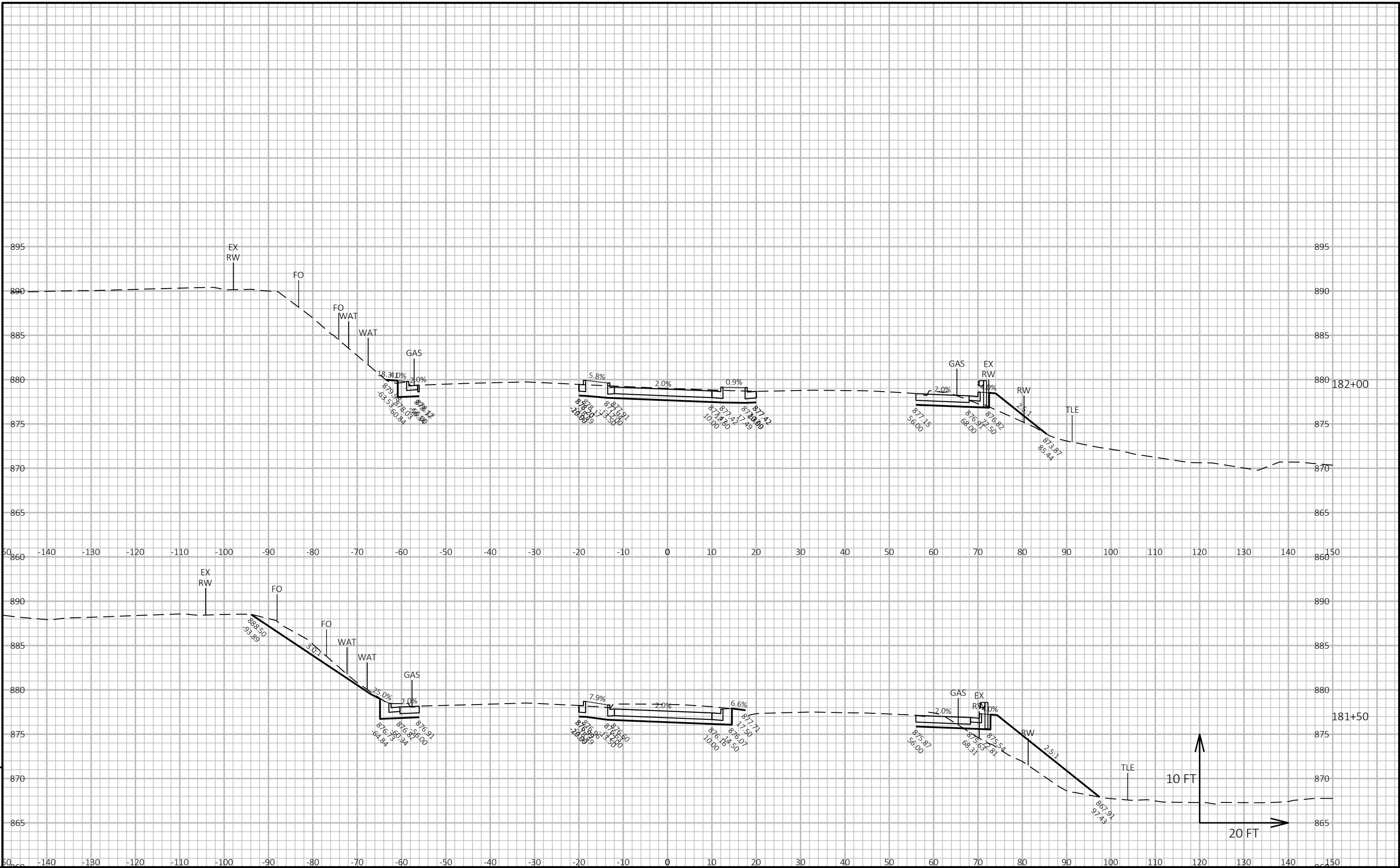


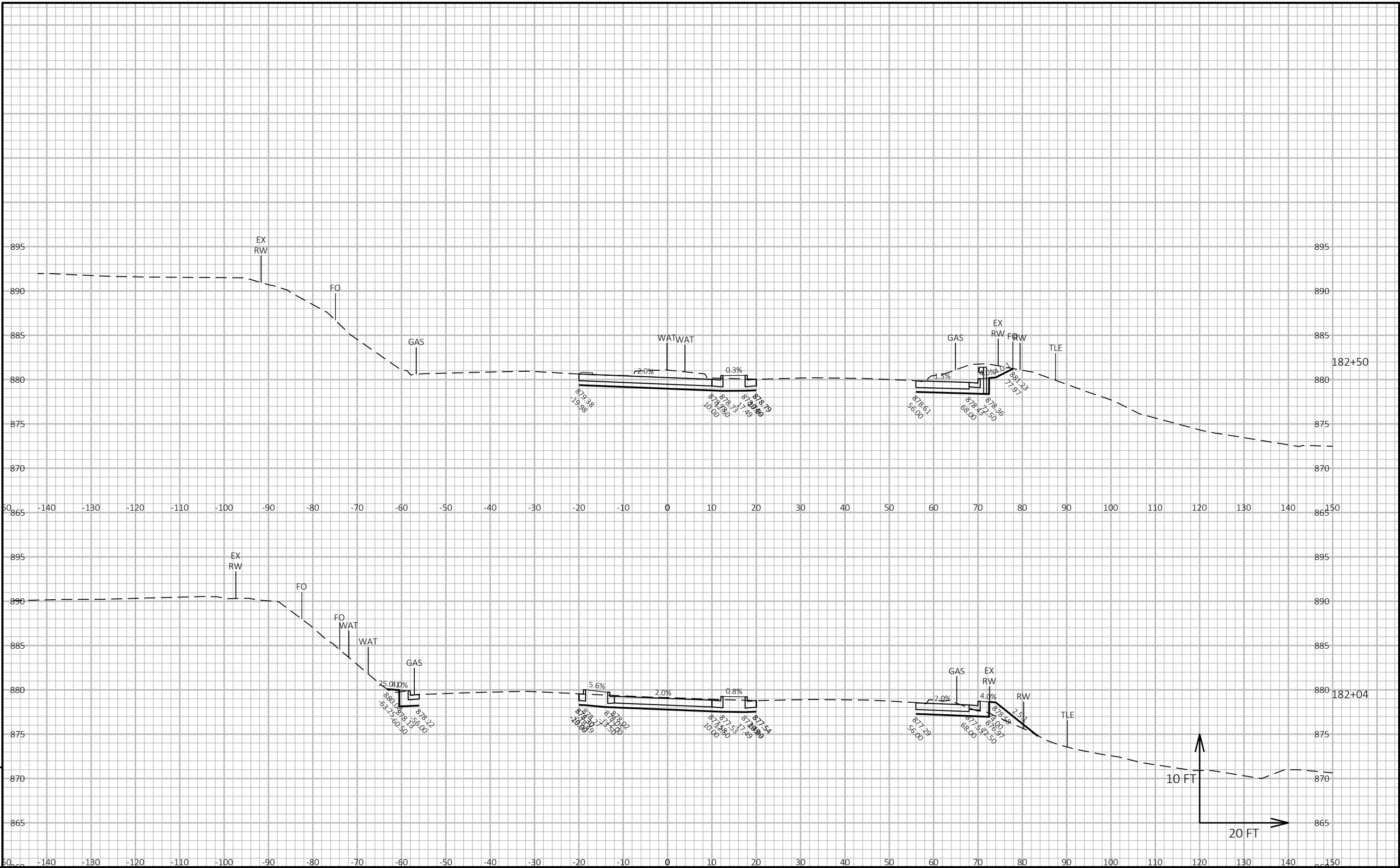
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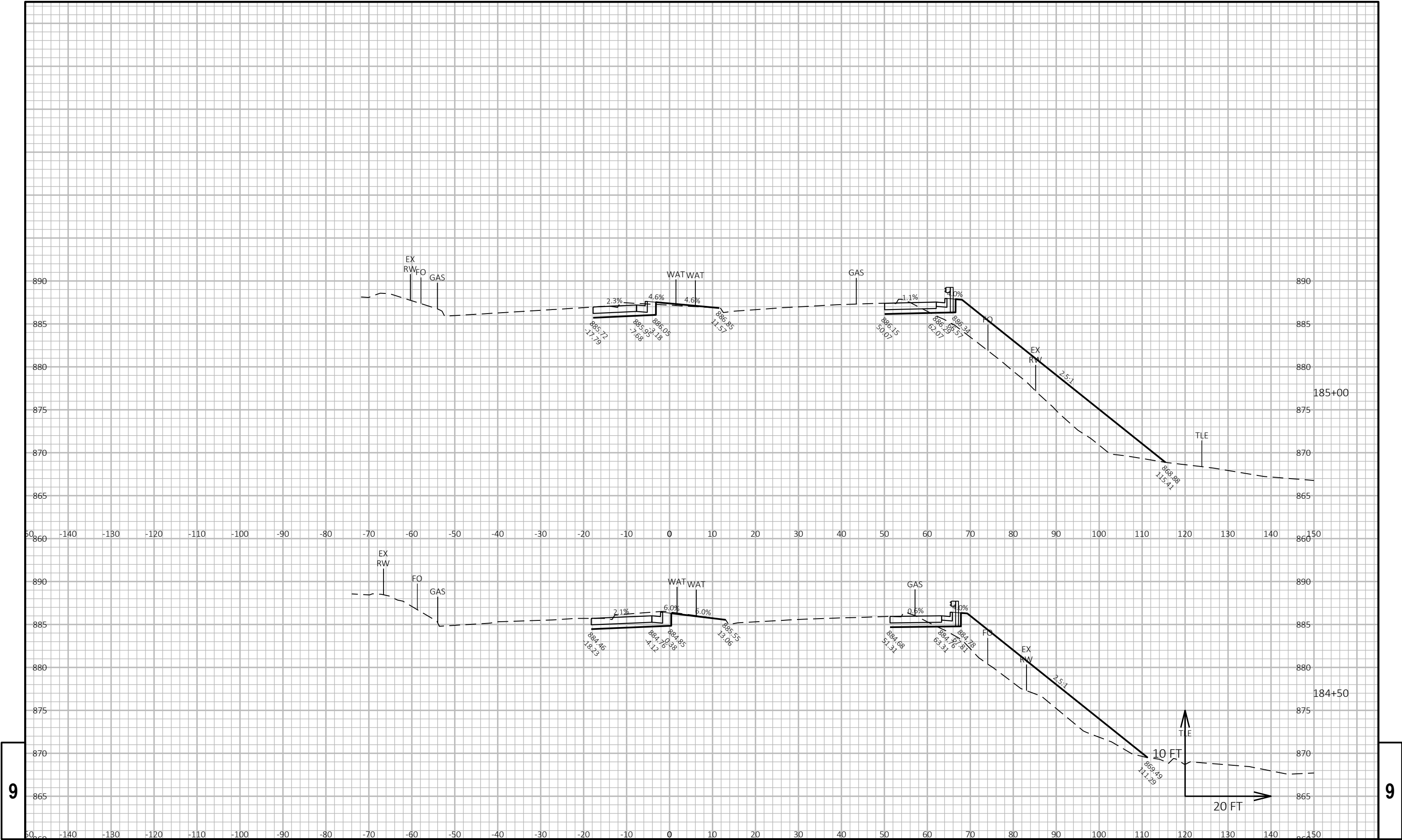




PROJECT NO: 2773-10-71	HWY: STH 59	COUNTY: WAUKESHA	CROSS SECTIONS: STH 59	SHEET E
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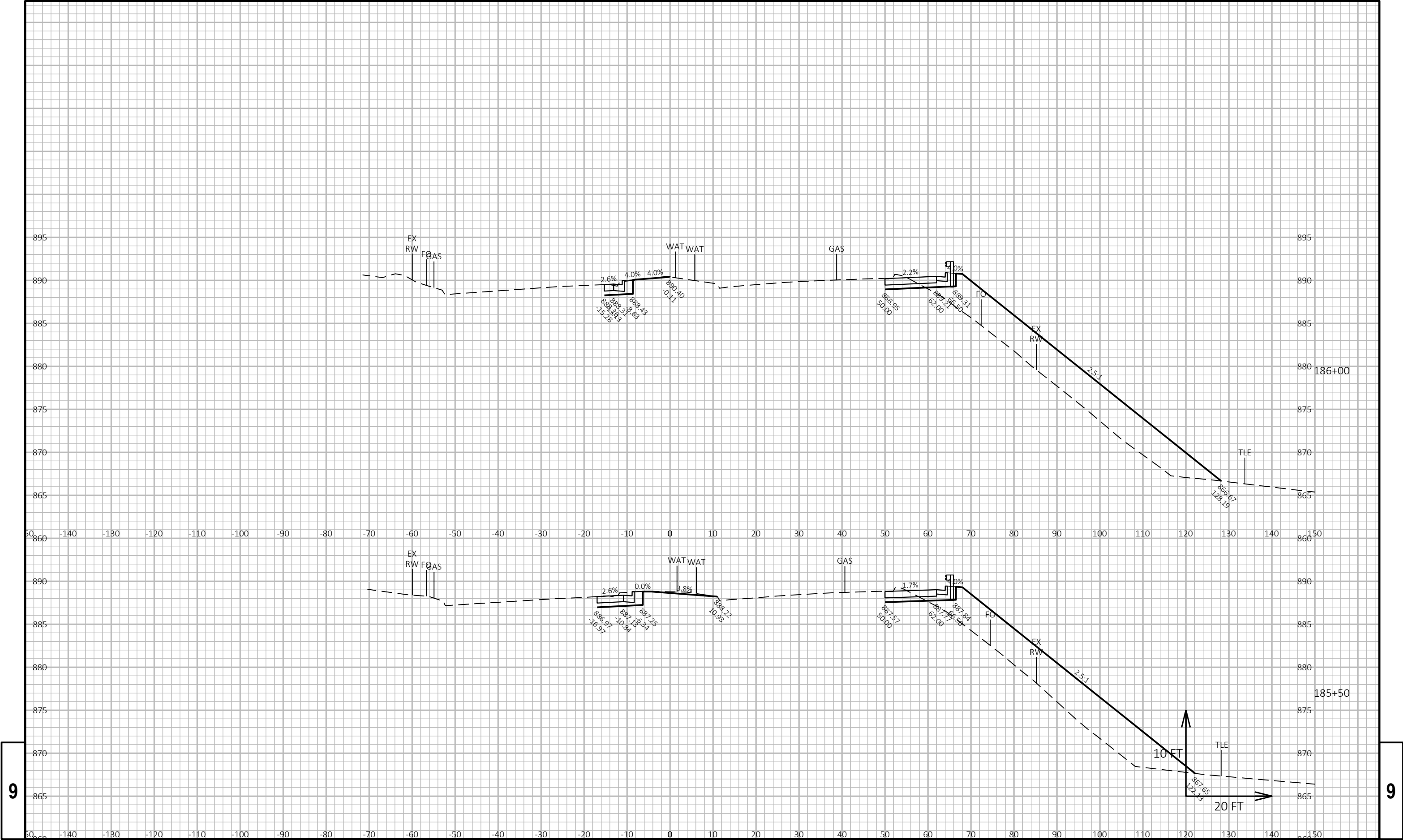






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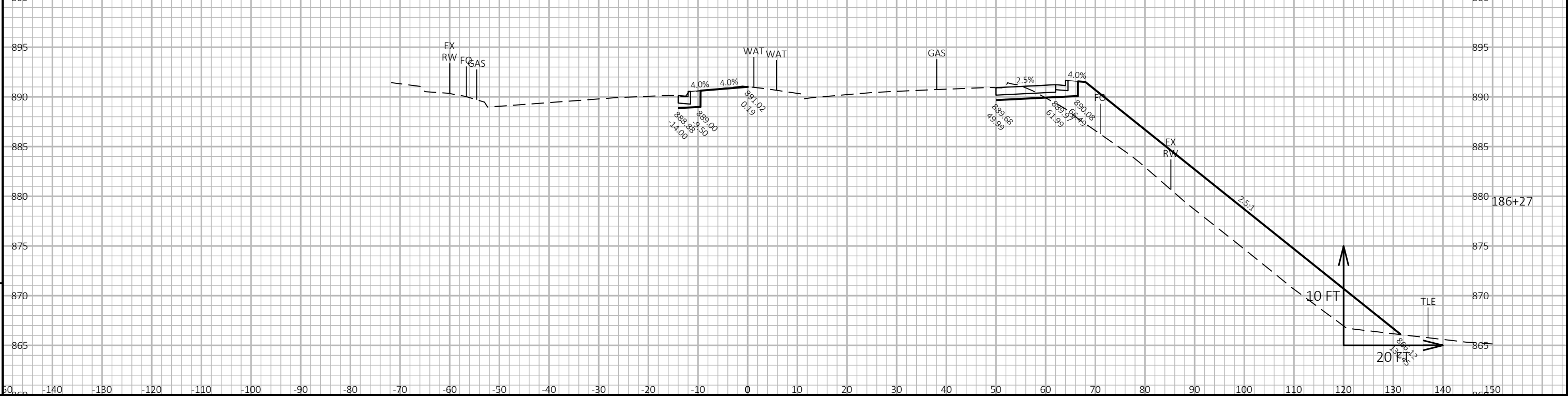
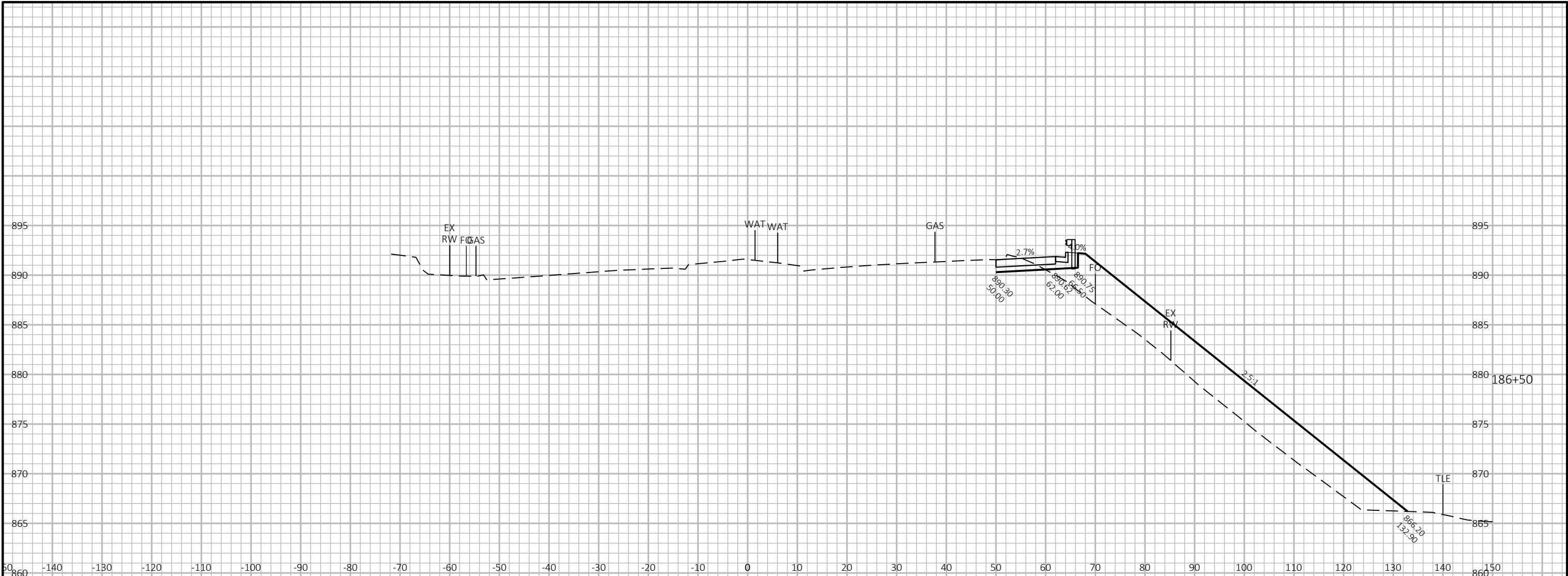
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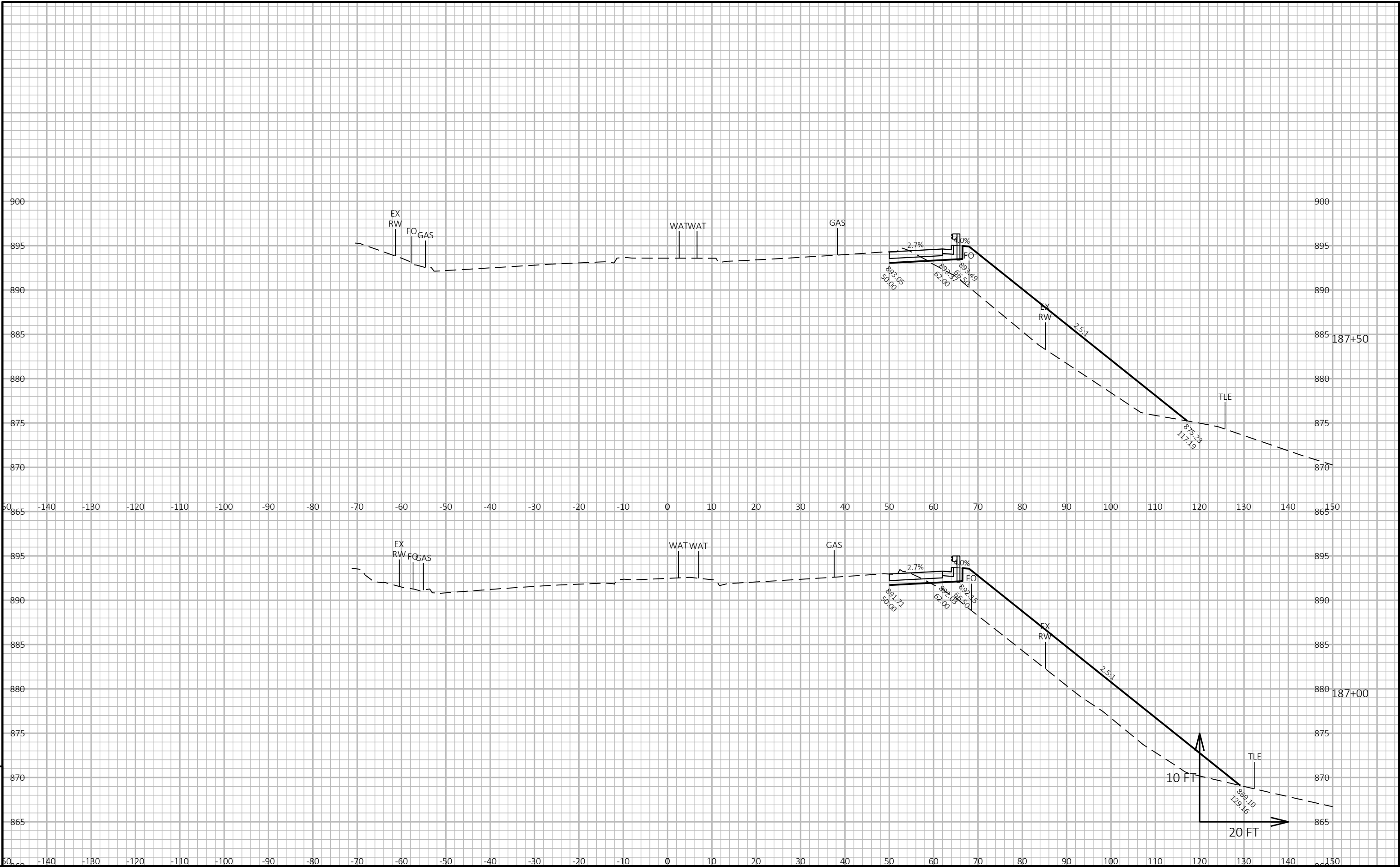
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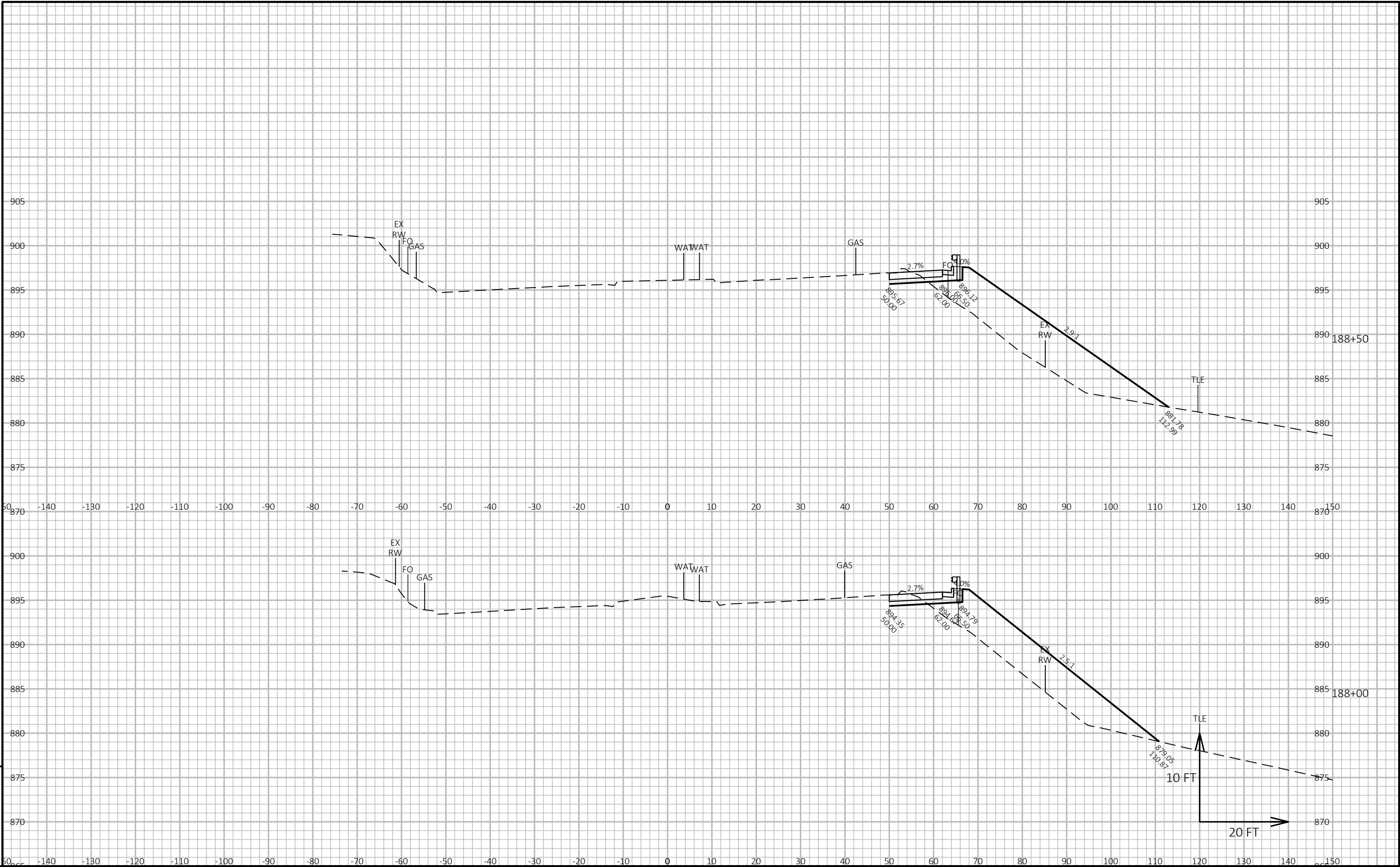


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PROJECT NO: 2773-10-71	HWY: STH 59	COUNTY: WAUKESHA	CROSS SECTIONS: STH 59	SHEET E
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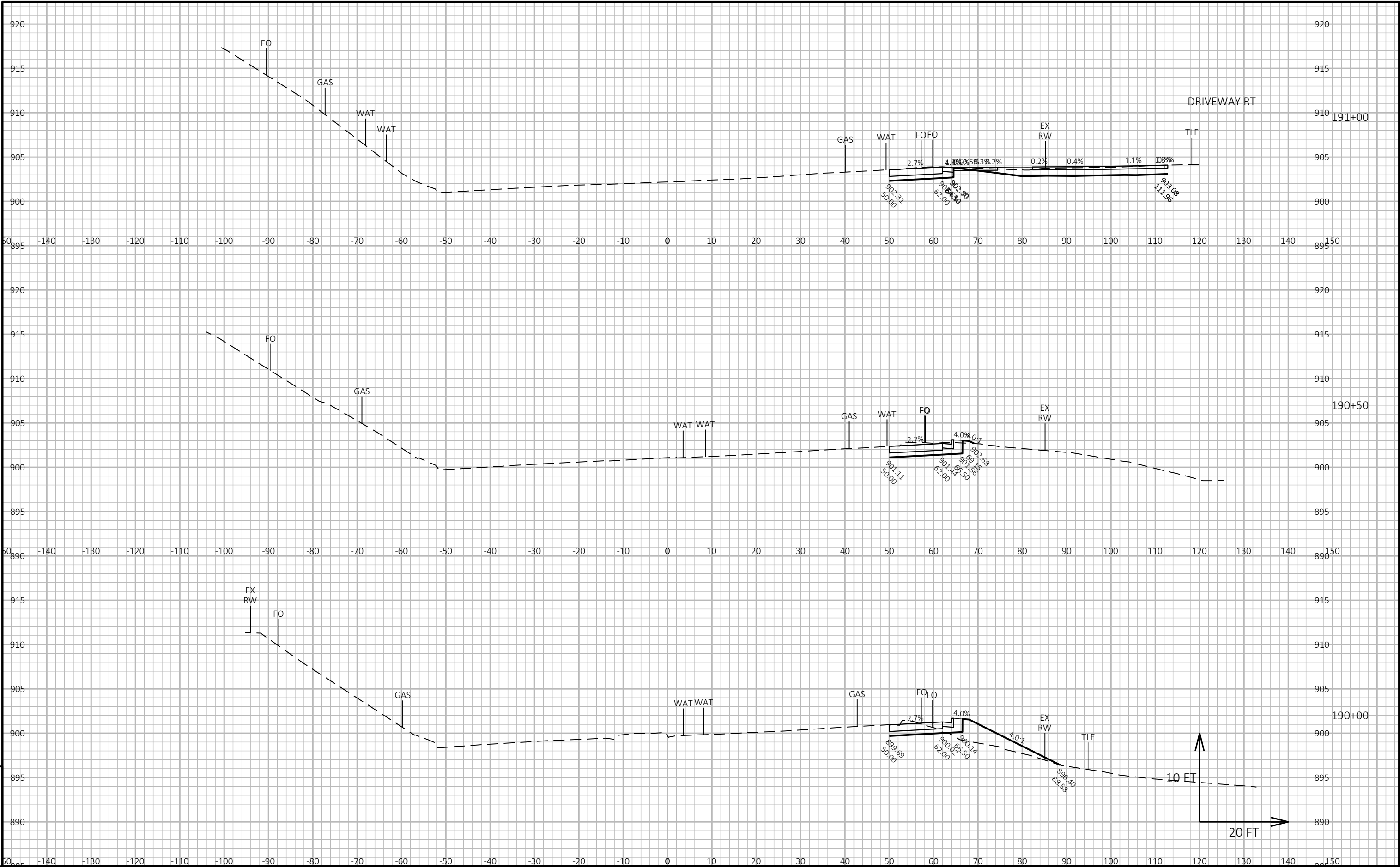


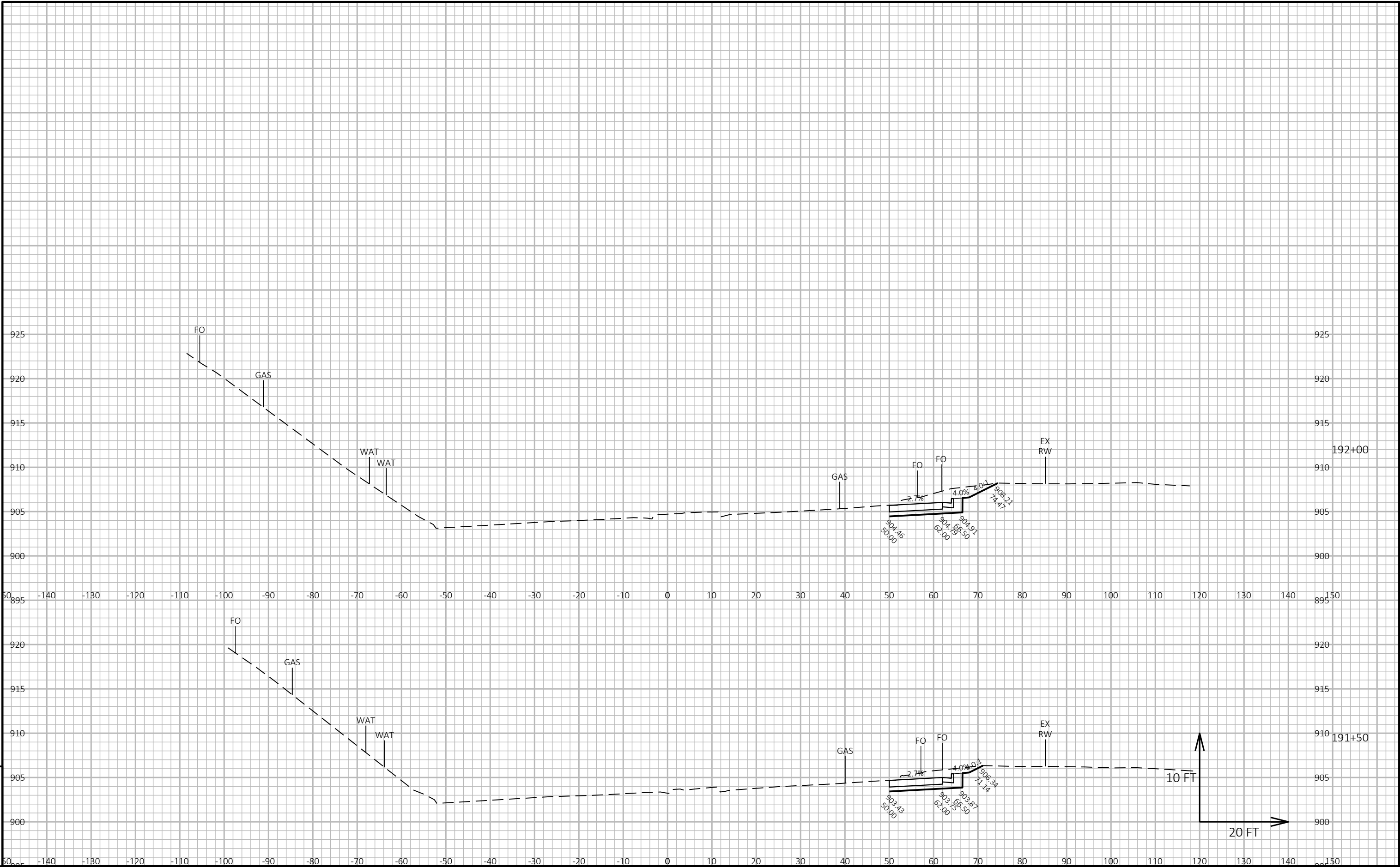


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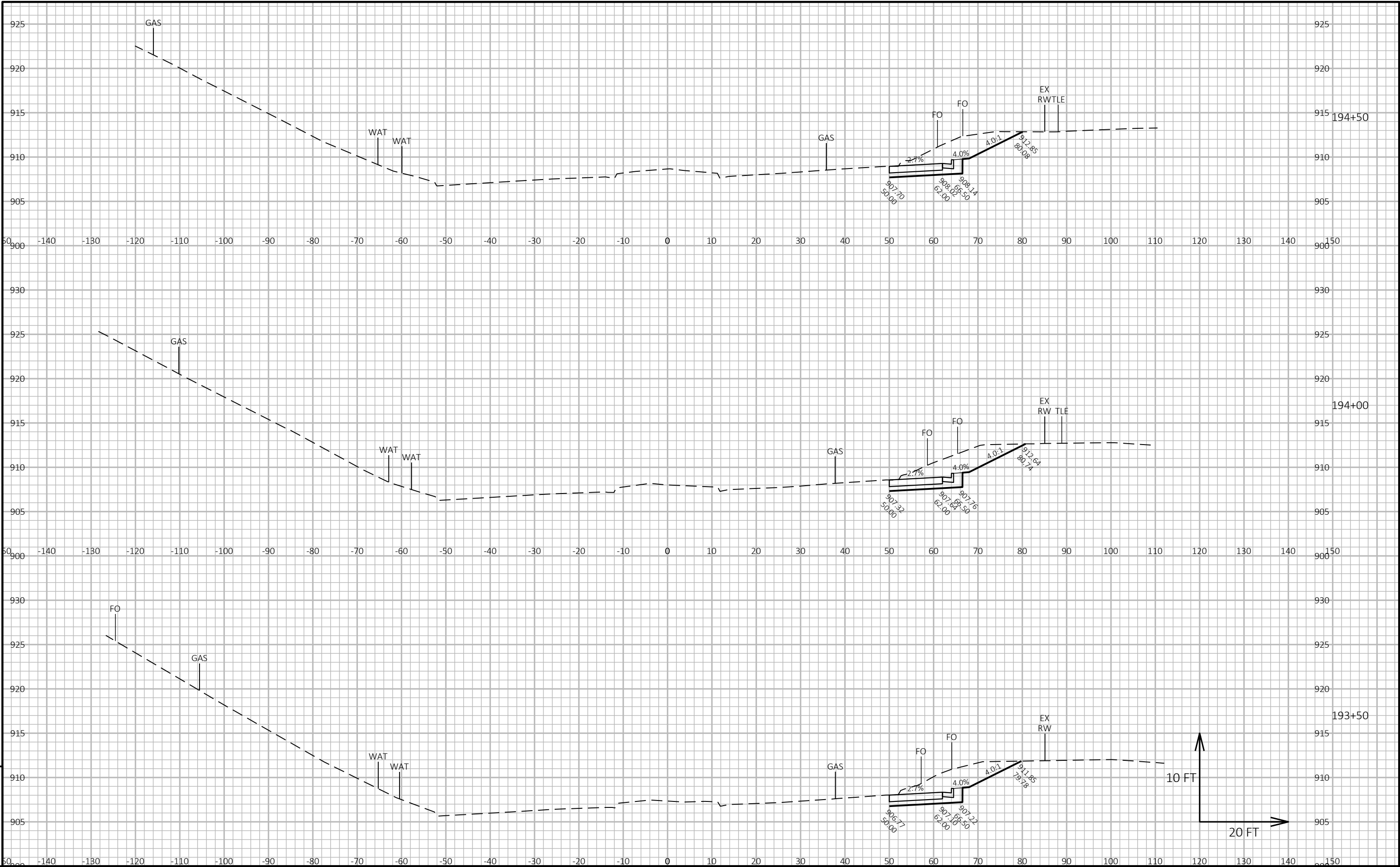
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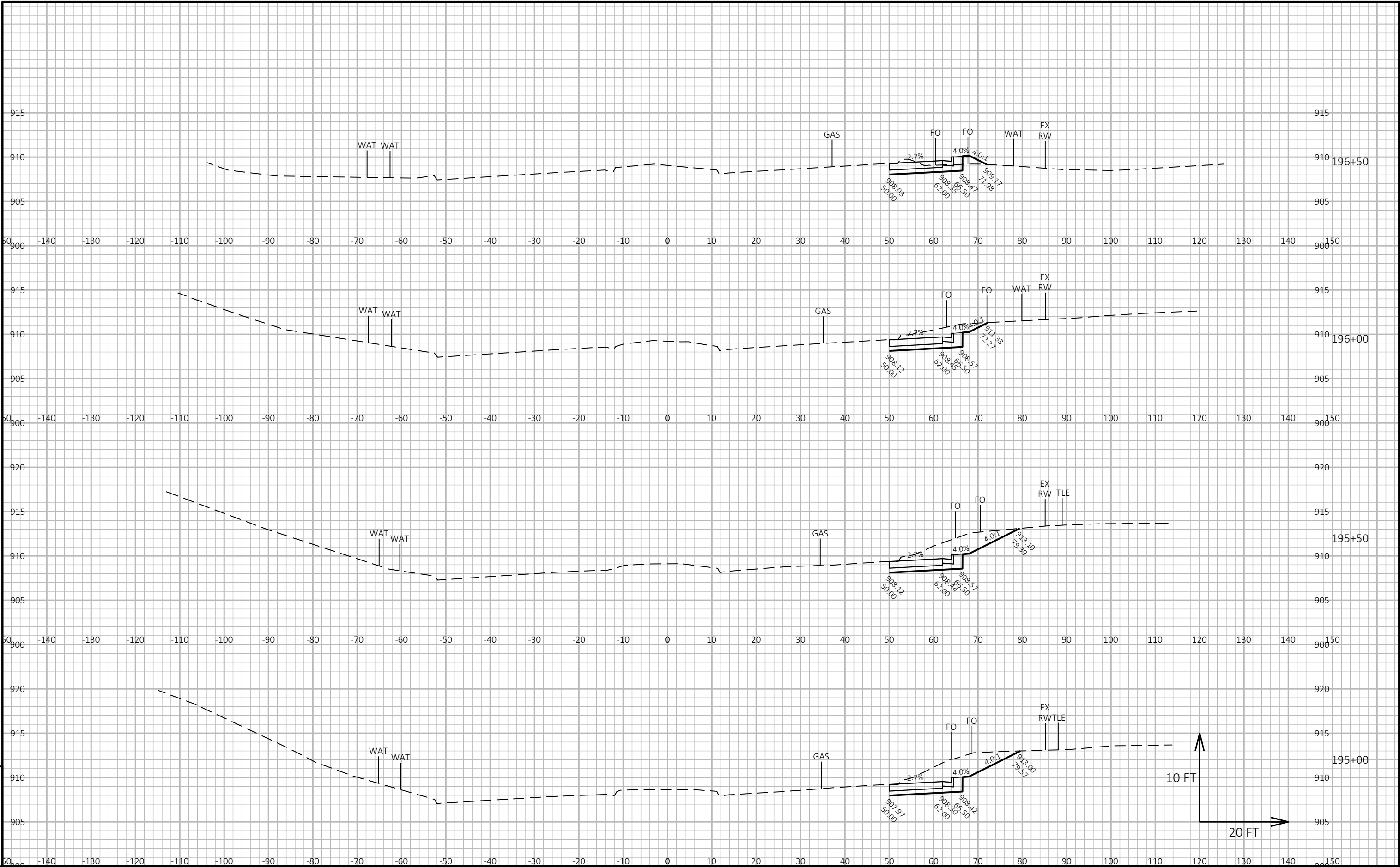
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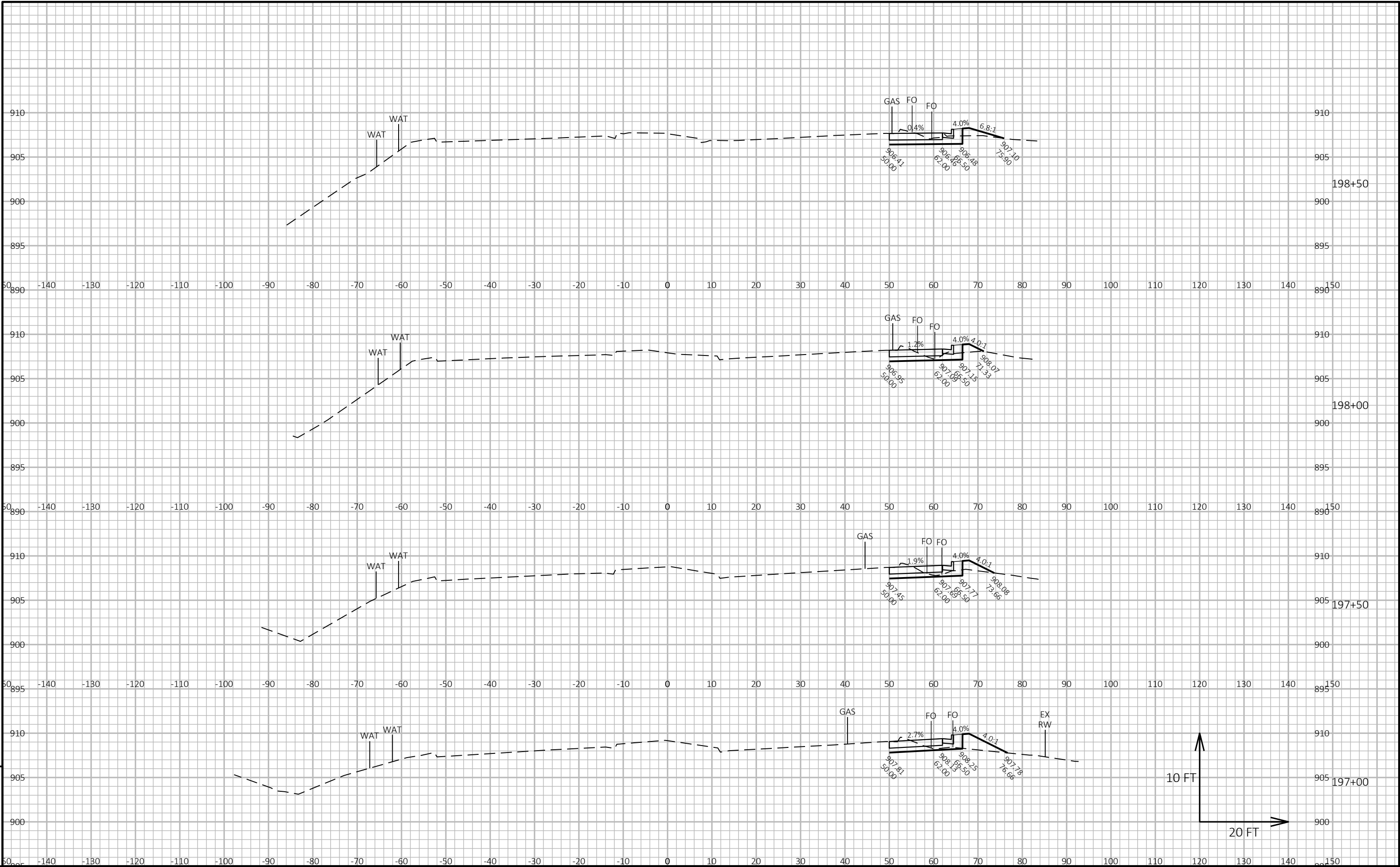


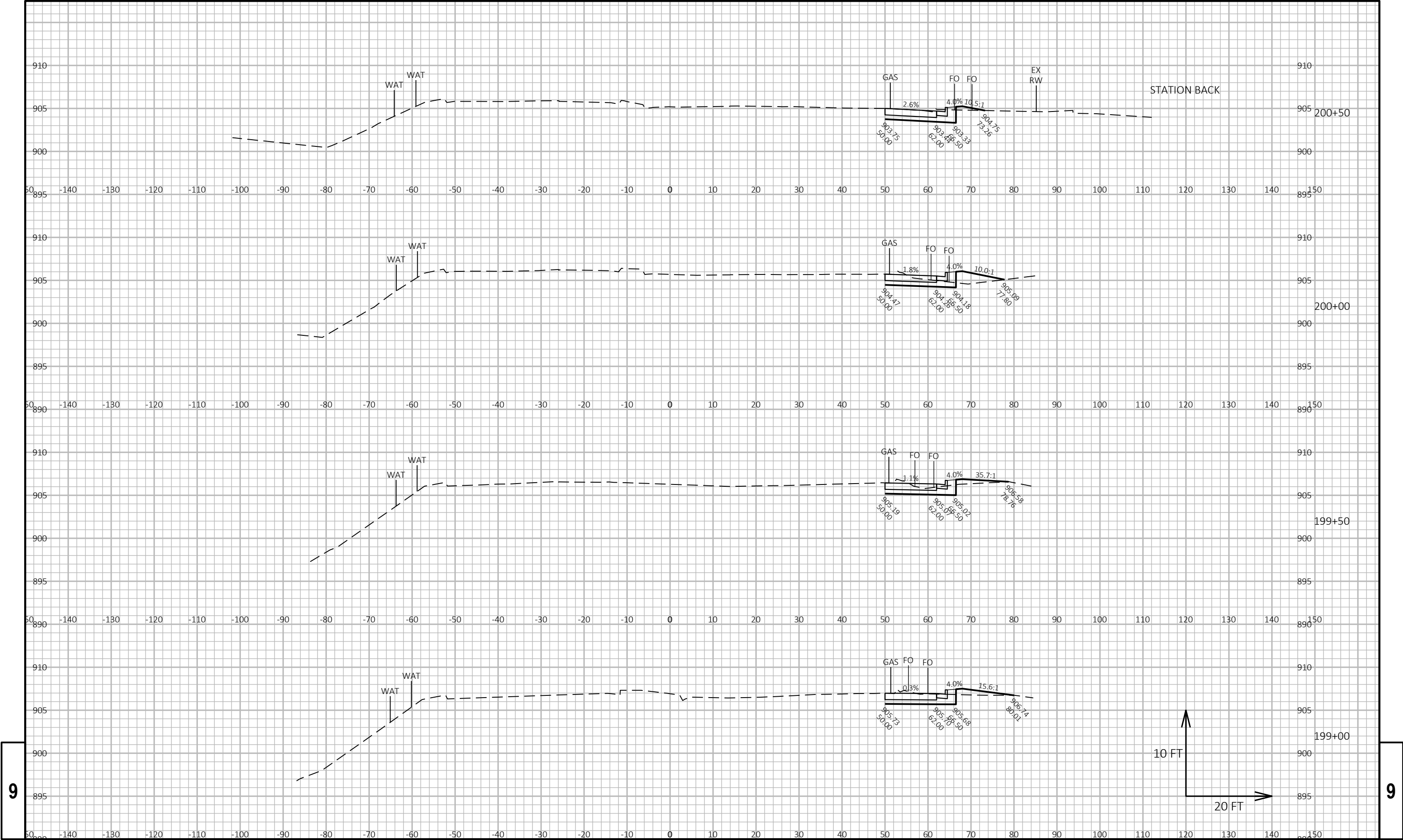








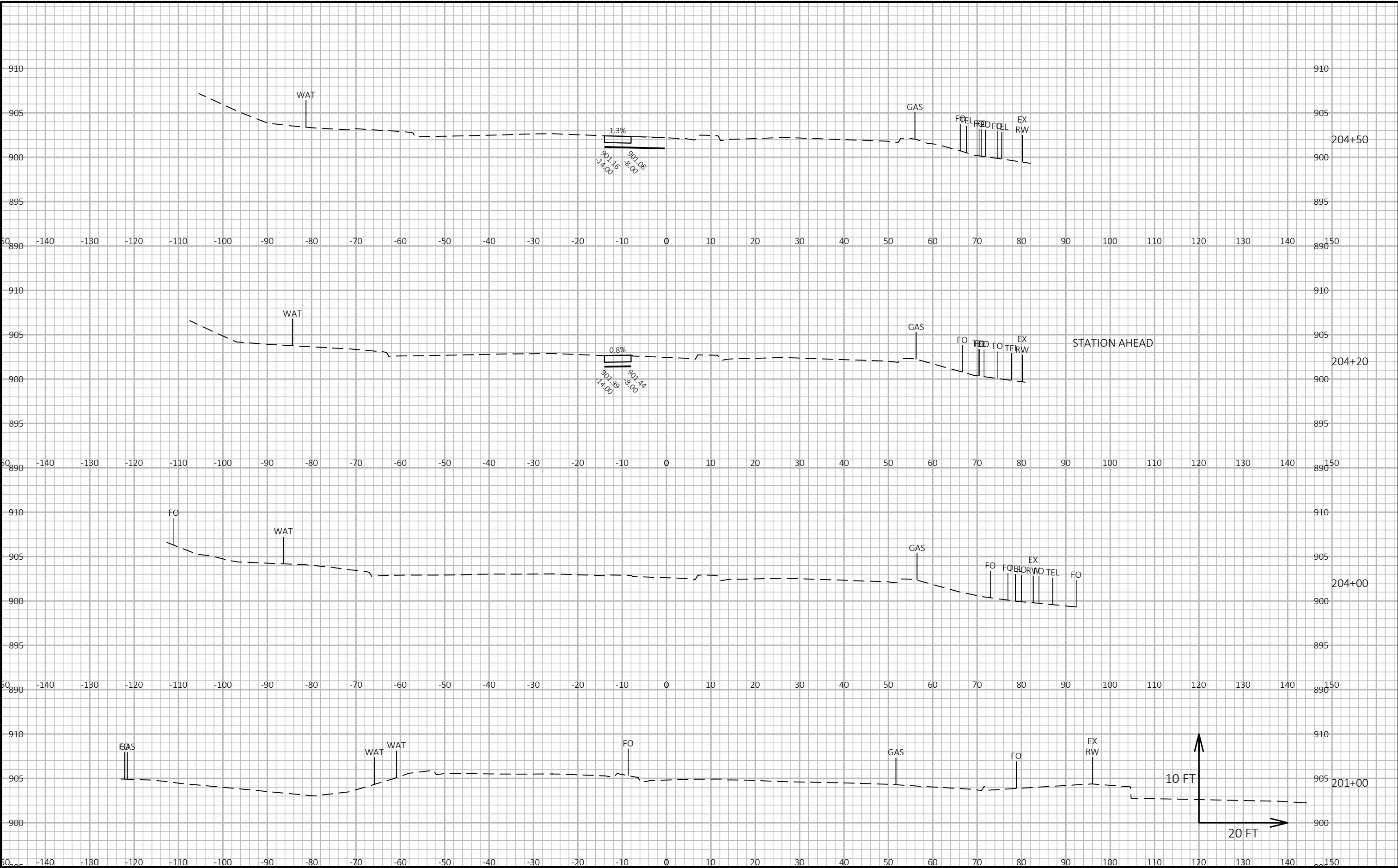


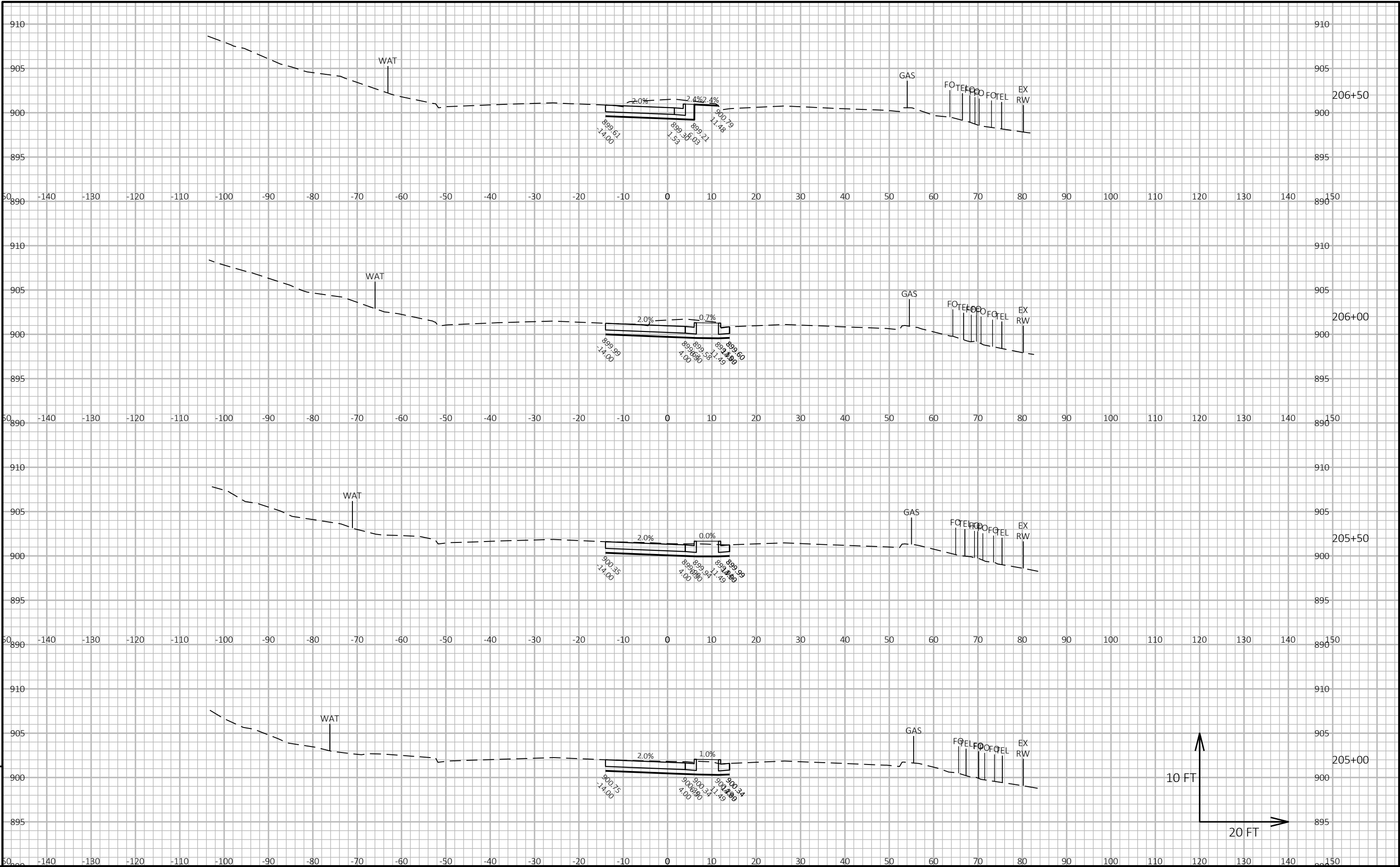


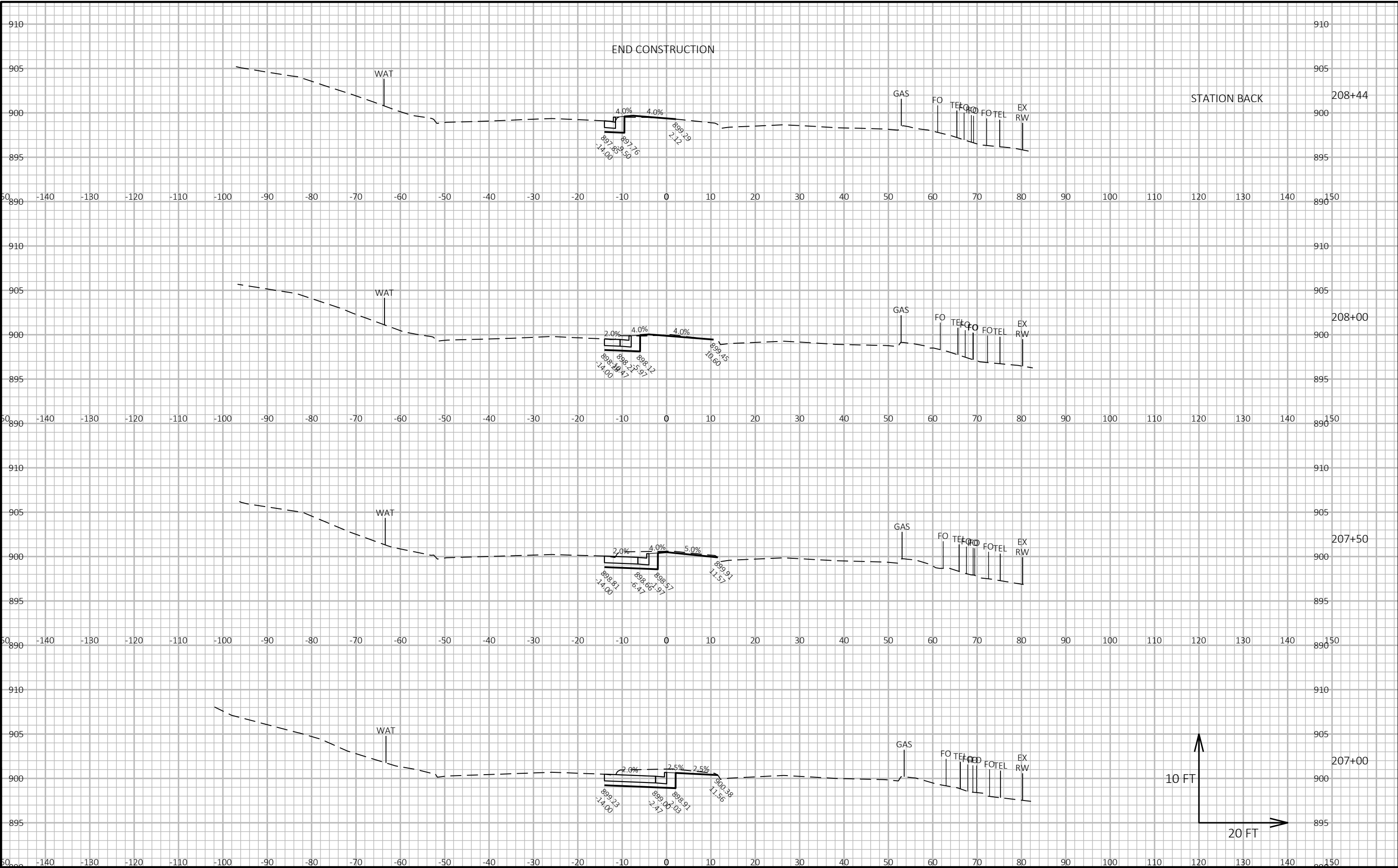
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PROJECT NO: 2773-10-71				HWY: STH 59				COUNTY: WAUKESHA				CROSS SECTIONS: STH 59				SHEET				E
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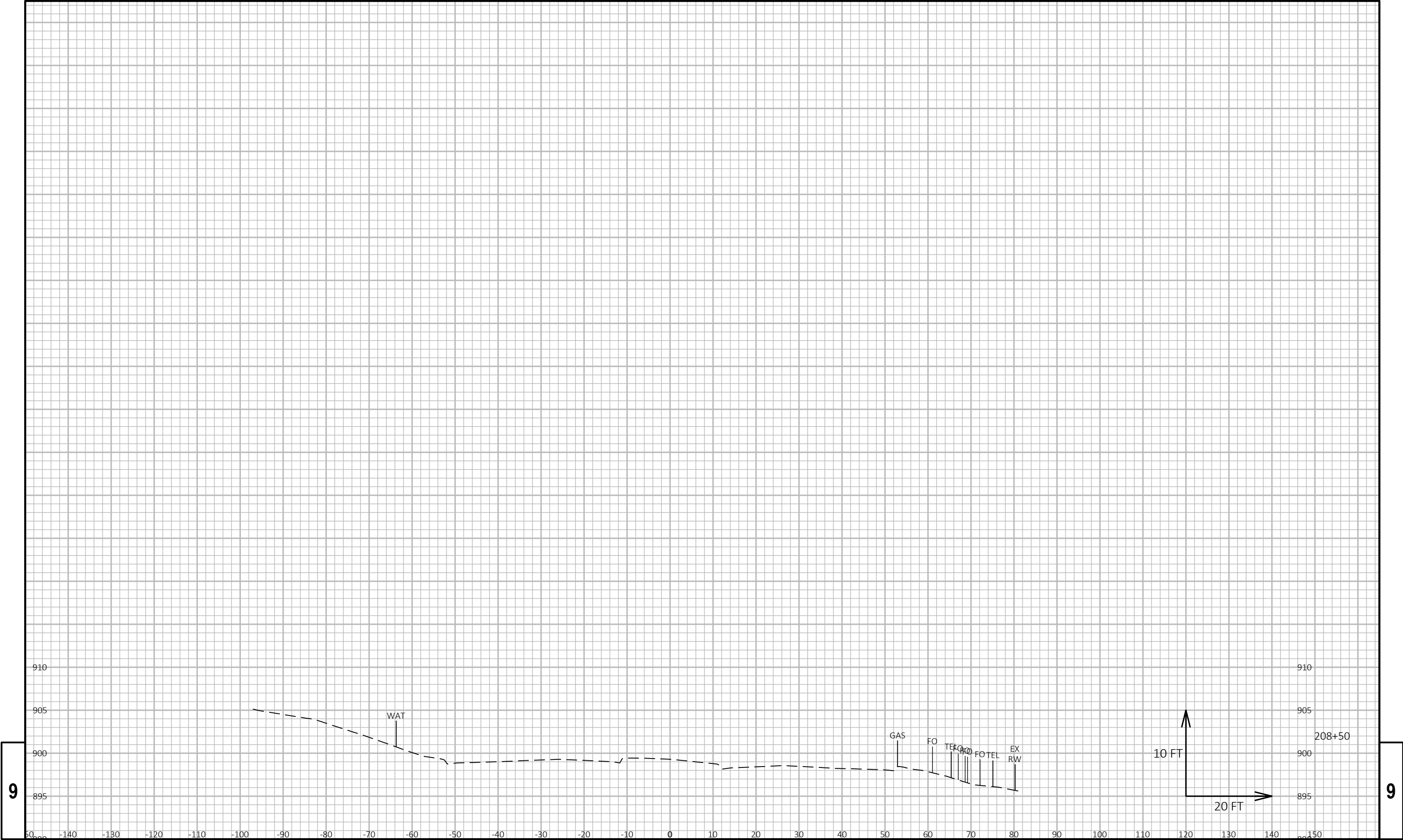




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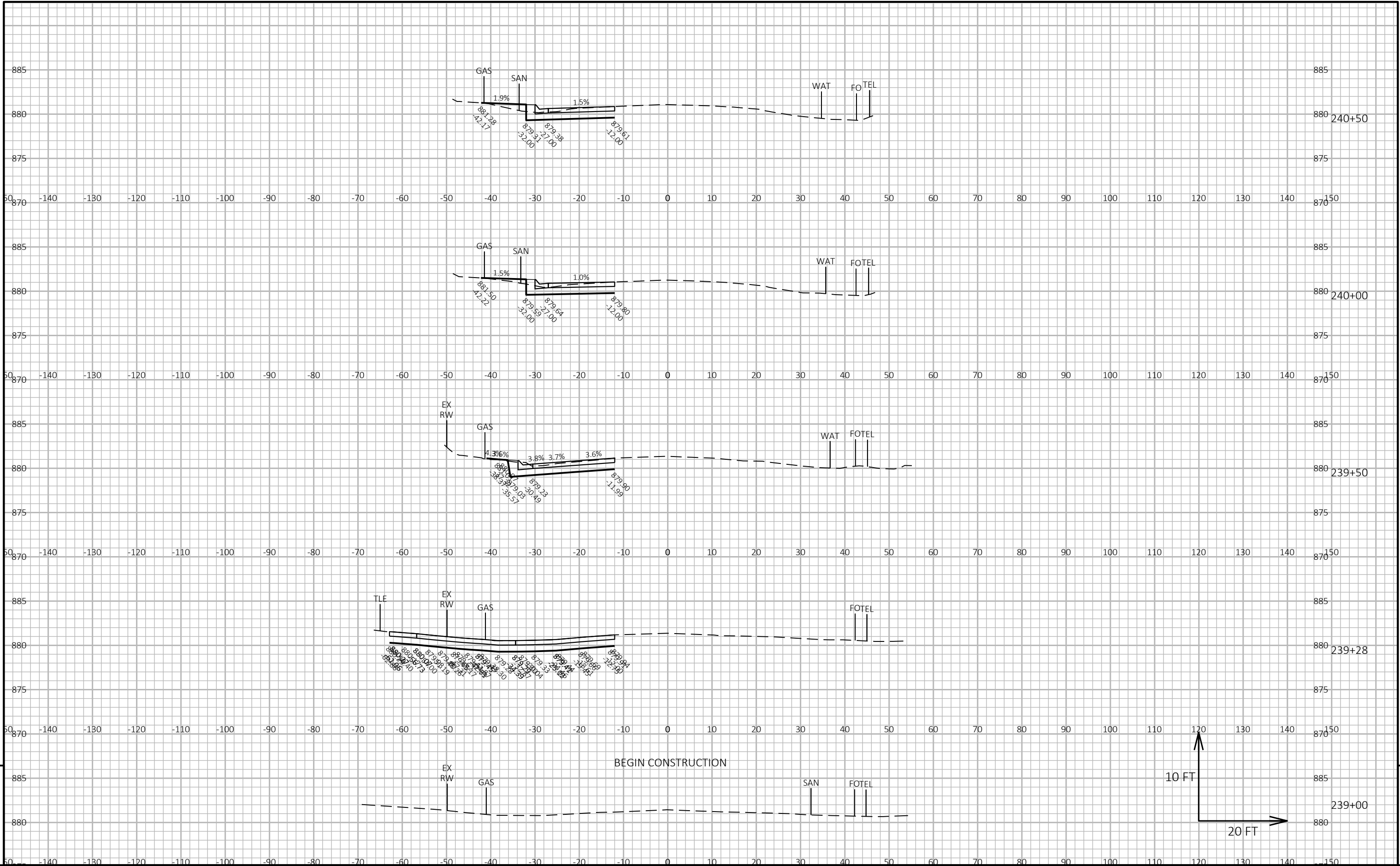
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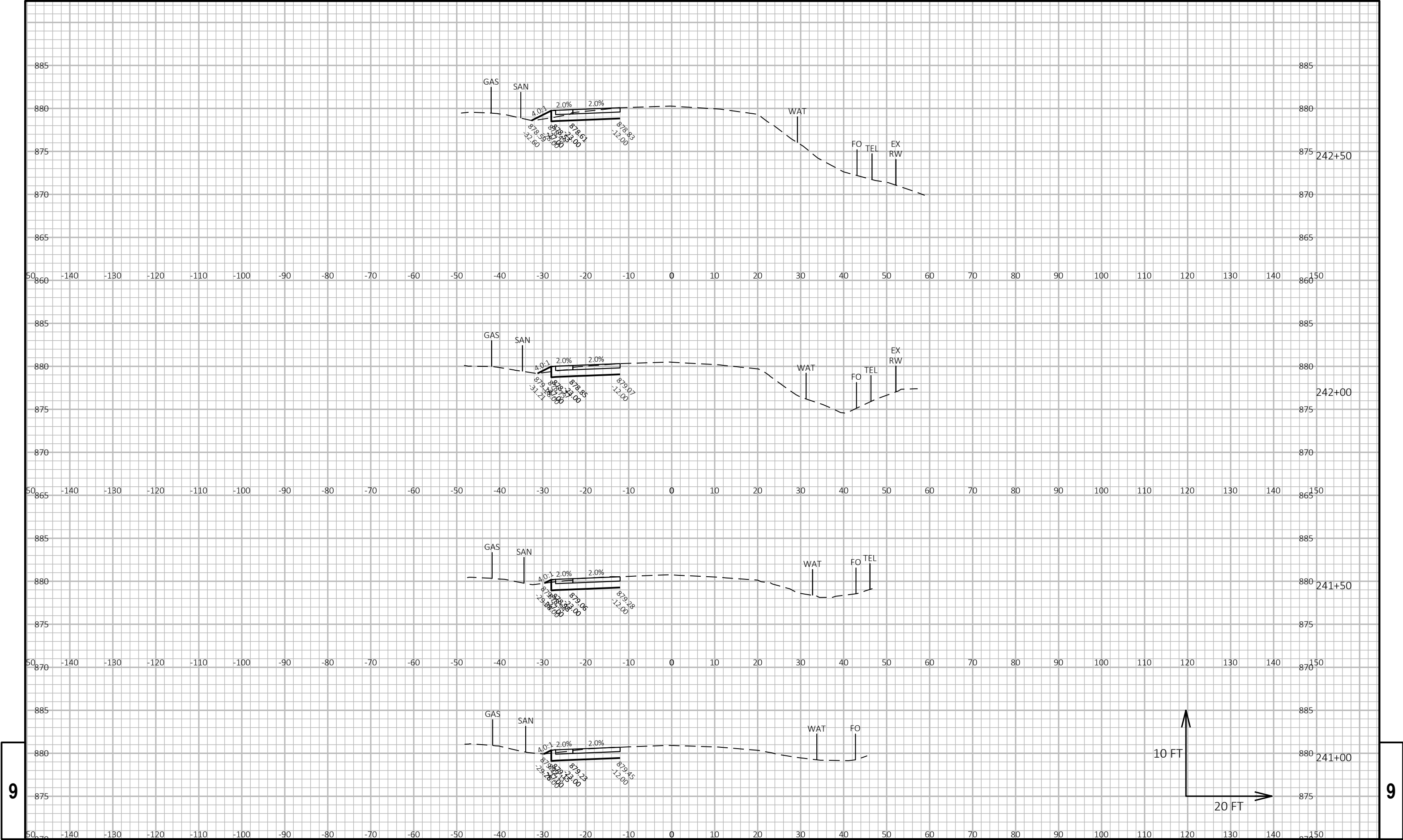


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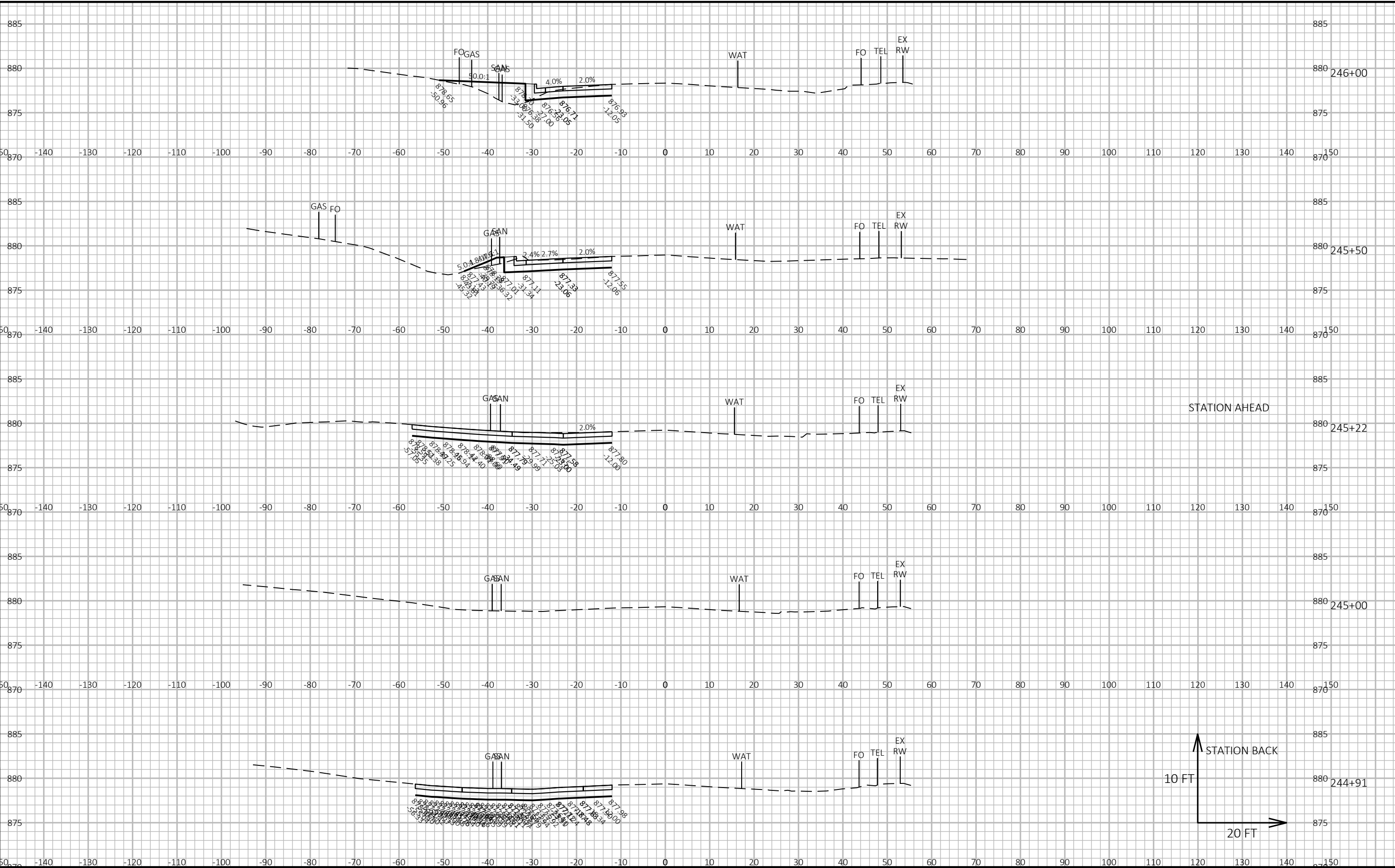




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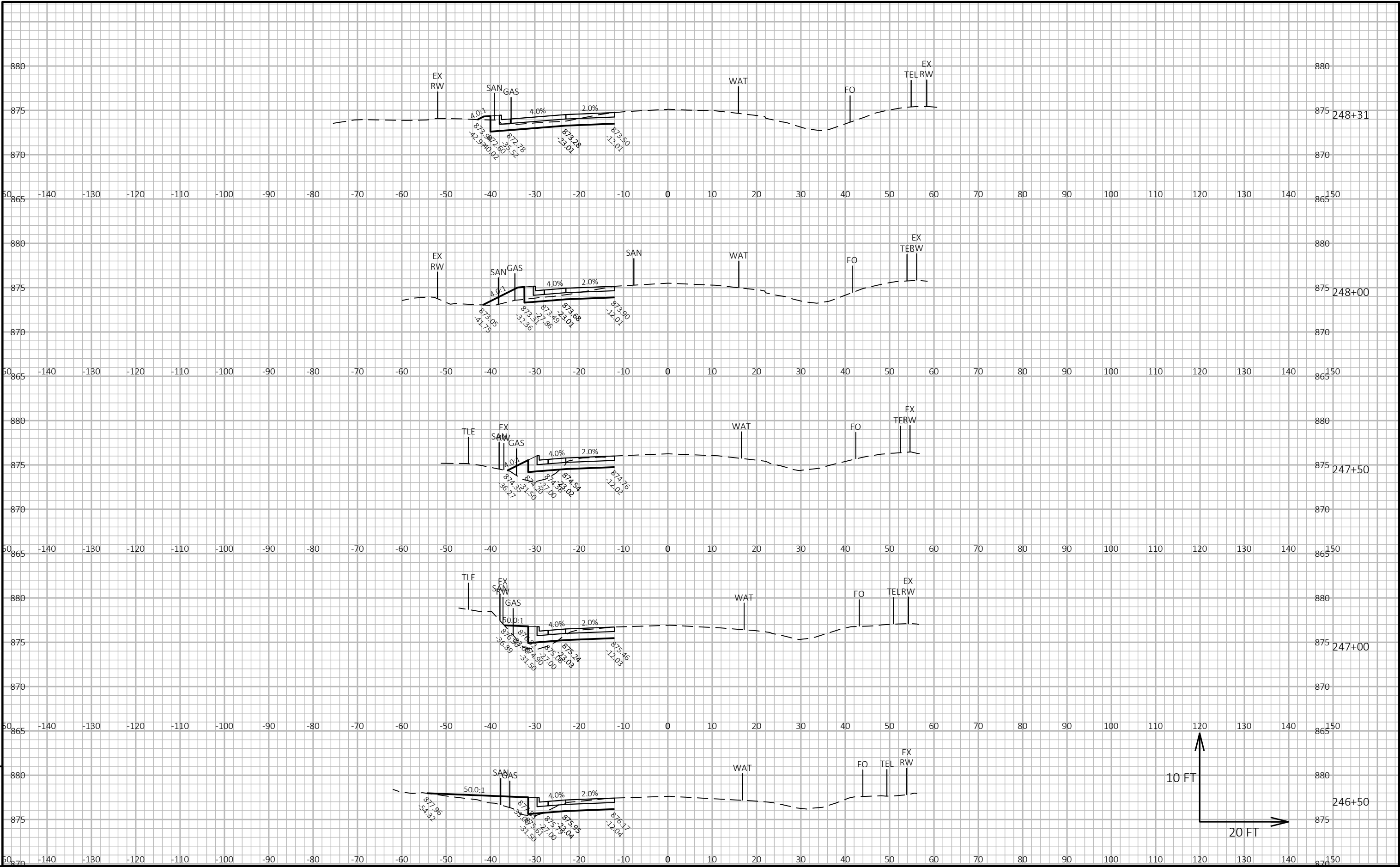
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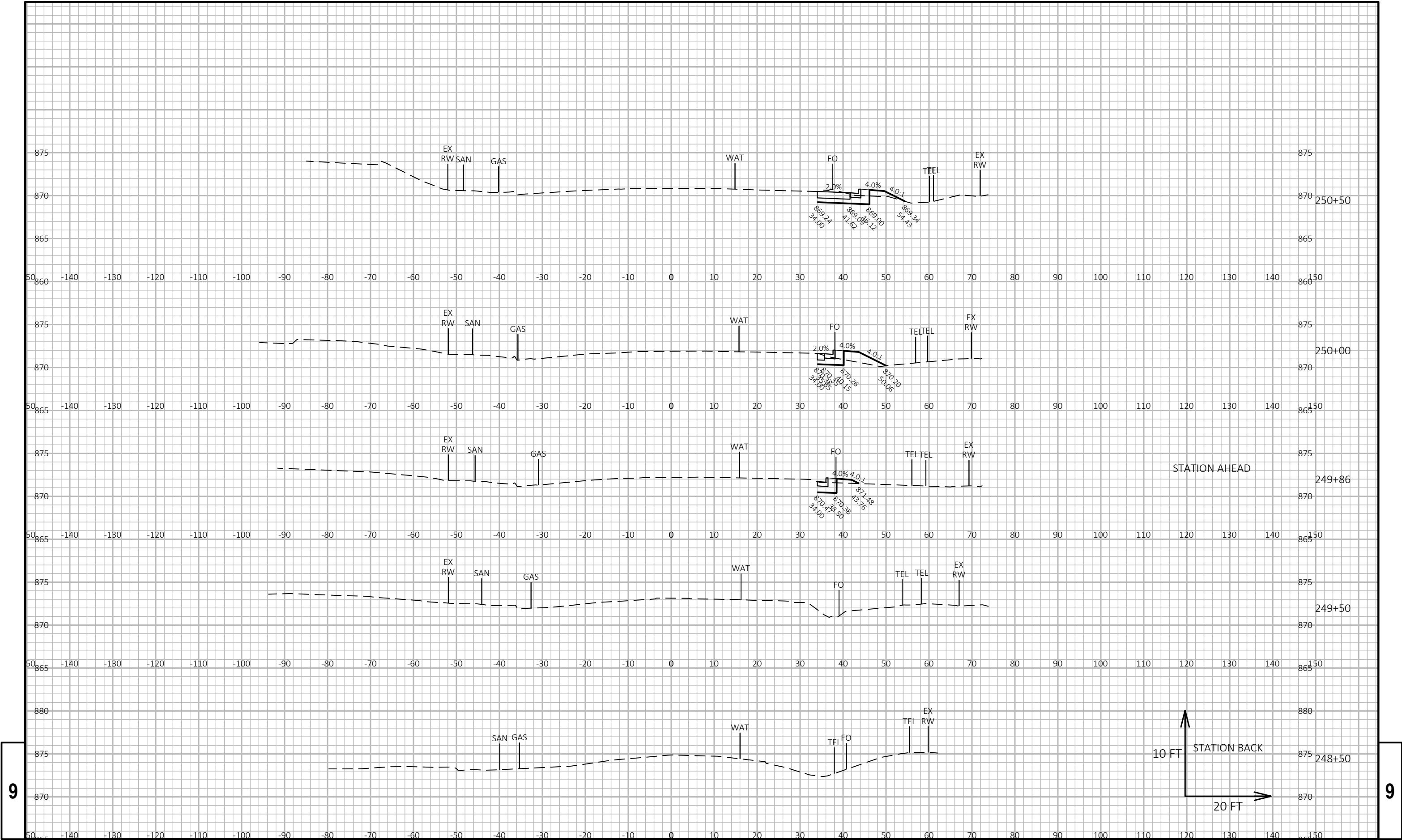
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PROJECT NO: 2773-10-71	HWY: STH 59	COUNTY: WAUKESHA	CROSS SECTIONS: CTH Y (RACINE AVE)	SHEET	E
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