

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
	MILKY WAY
	BEEHIEM RD
	OAK PARK DR
	SPRINGDALE RD
	Y
	D
	J
	FT
	T
	JJ
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	XX
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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.

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
- INTERSECTION DETAILS
- PLAN DETAILS
- CURB RAMP DETAILS*
- EROSION CONTROL
- STORM SEWER
- PERMANENT SIGNING*
- TRAFFIC SIGNAL PLAN
- PAVEMENT MARKING
- TRAFFIC CONTROL*
- ALIGNMENT PLAN

*NOT INCLUDED WITH THE TRANS 220 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		

HMA PAVEMENT

LOCATION	HMA	LOWER-LOWER LAYER	UPPER-LOWER LAYER	UPPER-UPPER LAYER
RACINE AVE RECEIVING LANE STA 239+28 TO 248+31	3 MT 58-28 S	3"	3"	X
	4 MT 58-28 S	X	X	2"

UTILITY CONTACTS

AT&T LEGACY
VANESSA ROSS
555 E COOK ST
SPRINGFIELD, IL 62703
(217) 814-2314
VF2021@ATT.COM

AT&T WISCONSIN
TOM CROWLEY
435 S 95TH ST
MILWAUKEE, WI 53214-1226
(262) 896-7427
TC1657@ATT.COM

ATC MANAGEMENT, INC
TONY MARCINIAK
W234N2000 RIDGEVIEW PARKWAY CT
PO BOX 47
WAUKESHA, WI 53187-0047
(262) 506-6814
AMARCINIAK@ATCLLC.COM

SPECTRUM 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
201 DELAFIELD ST
WAUKESHA, WI 53188
(262) 524-3592
JHERNKE@WAUKESHA-WI.GOV

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

CITY OF WAUKESHA SEWER
CHRISTOPHER LANGEMAK
201 DELAFIELD ST
WAUKESHA, WI 53188
(262) 524-3598
CLANGEMAK@WAUKESHA-WI.GOV

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

EVERSTREAM COMMUNICATIONS
SHAD GARCIA
324 E WISCONSIN AVE, SUITE 730
MILWAUKEE, WI 53202
(414) 409-1709
SGARCIA@EVERSTREAM.NET

LEVEL 3 COMMUNICATIONS LLC
NETWORK RELOCATIONS
1025 ELDORADO BLVD
BROOMFIELD, CO 80021
RELOCATIONS@LUMEN.COM

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

PAETEC COMMUNICATIONS LLC
LORI KETTER
314 N DANZ AVE
GREEN BAY, WI 54302-3526
(414) 274-9215
LORI.KETTER@WINDSTREAM.COM

SPRINT COMMUNICATIONS CO LP
DAN HILLARD
849 EARL ST
SAINT PAUL, MN 55106
(612) 217-3526
DAN.J.HILLARD@T-MOBILE.COM

TDS METROCOM LLC
MATTHEW SCHULTE
16924 W VICTOR RD
NEW BERLIN, WI 53151
(262) 754-3063
MATT.SCHULTE@TDSTELECOM.COM

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

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

WE ENERGIES (GAS)
WE ENERGIES UTILITY COORDINATOR
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: BENDELKI@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
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CITY CONTACTS

CITY OF WAUKESHA
ALEX DAMIEN, CITY ENGINEER
130 DELAFIELD ST
WAUKESHA, WI 53188
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TOWN CONTACTS

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

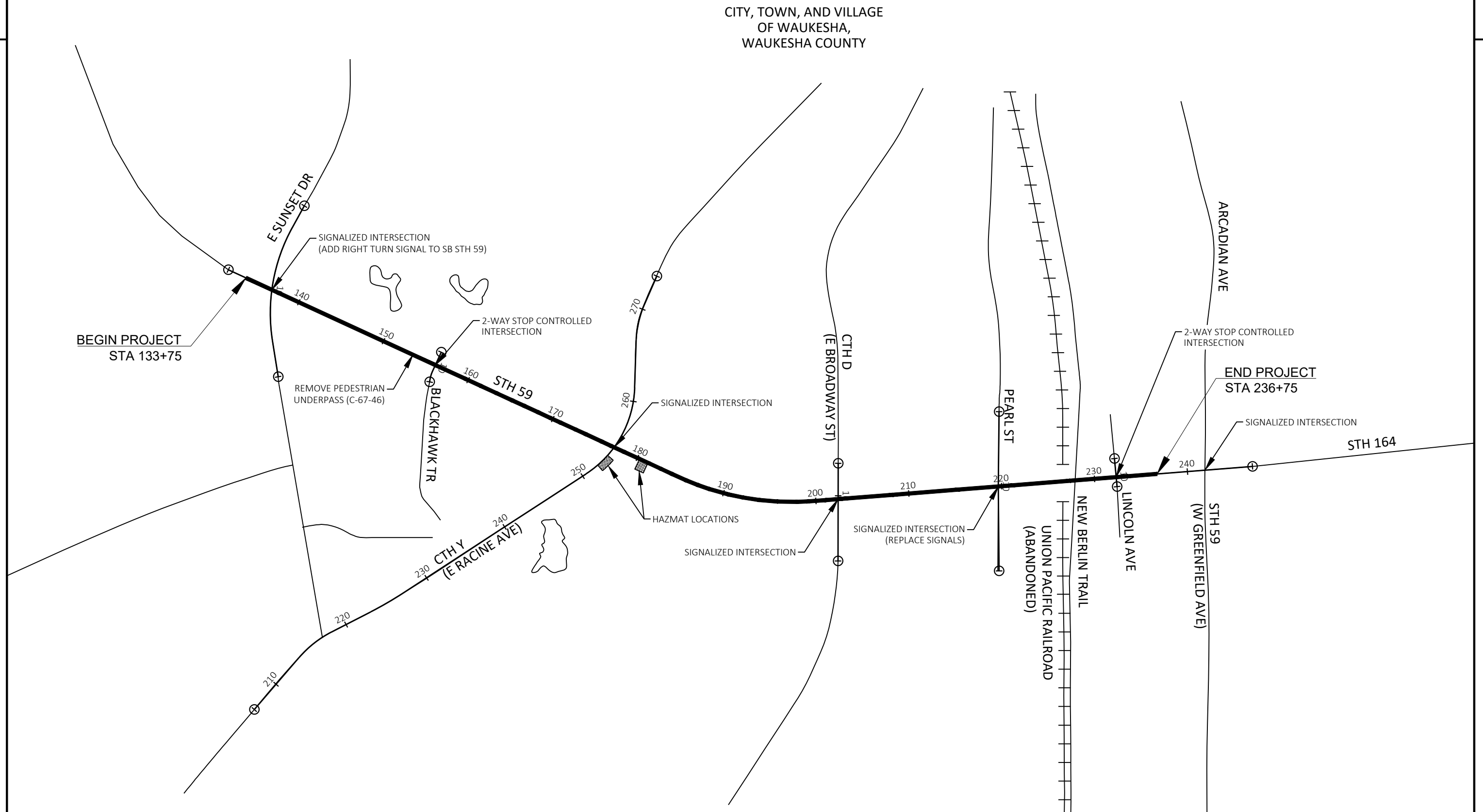
COUNTY CONTACTS

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

DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com



PROJECT NO: 2773-10-70

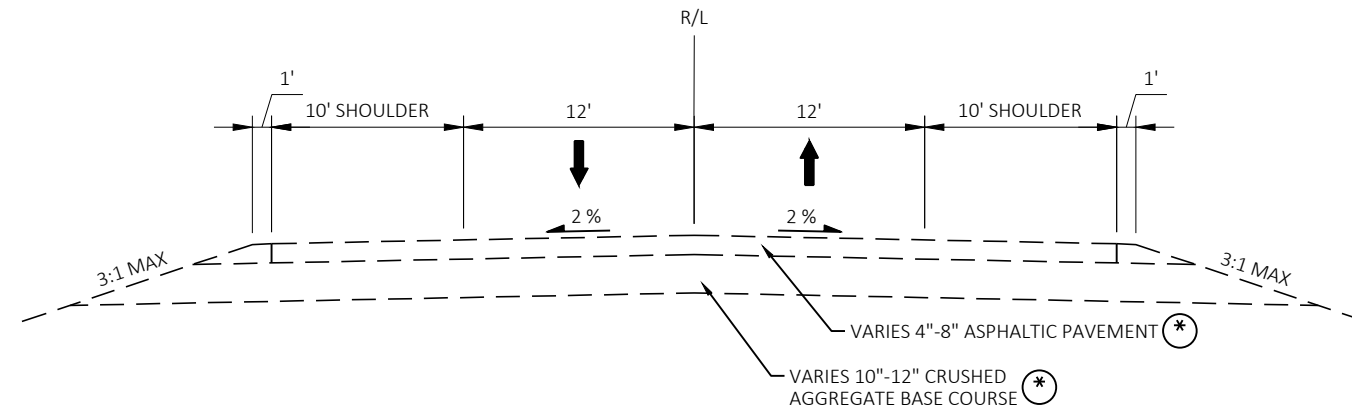
HWY: STH 59

COUNTY: WAUKESHA

PROJECT OVERVIEW

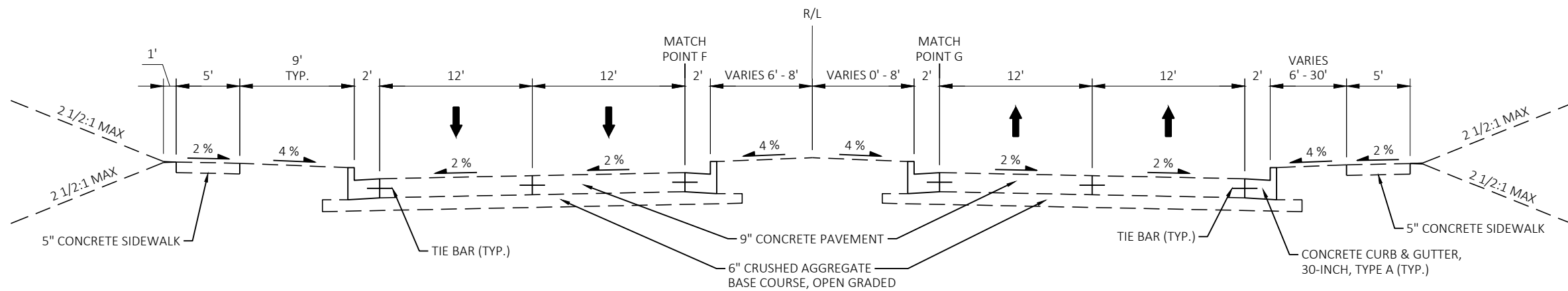
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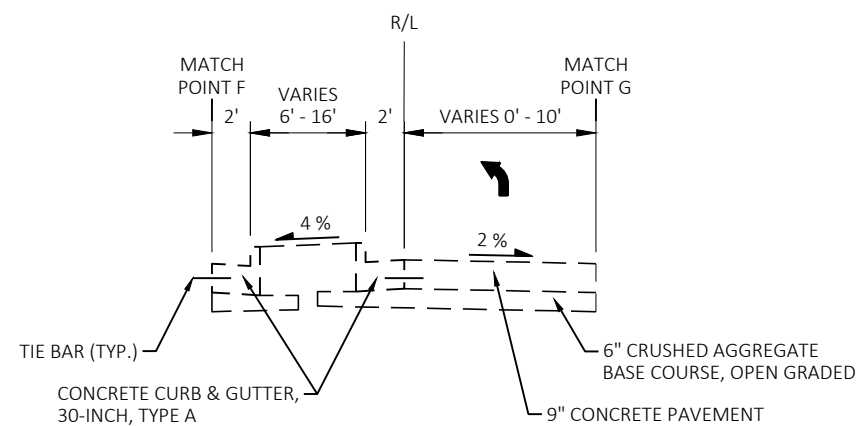
EXISTING TYPICAL SECTION - RACINE AVE

STA 239+75 TO STA 250+26



EXISTING TYPICAL SECTION - RACINE AVE

STA 250+26 TO STA 253+56

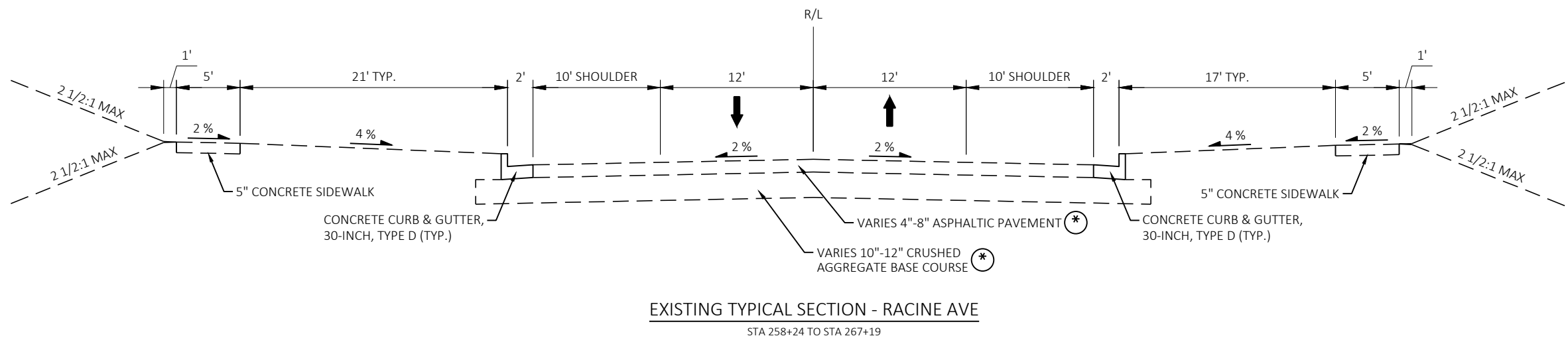


EXISTING TYPICAL SECTION - RACINE AVE

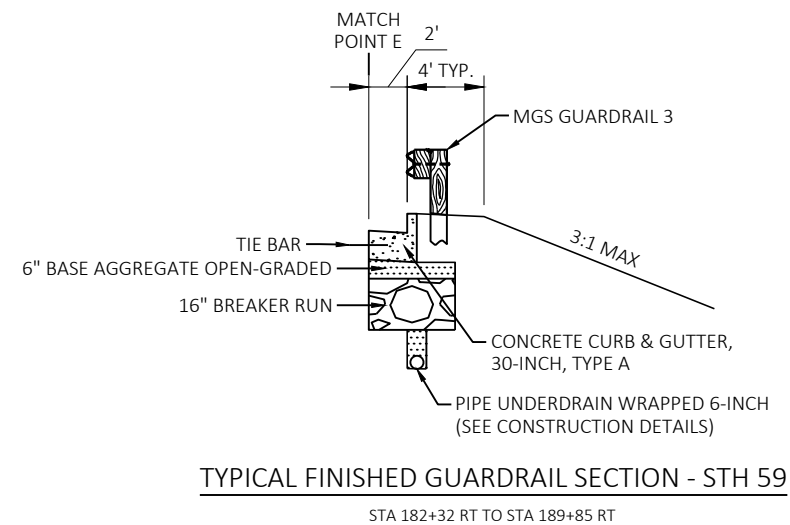
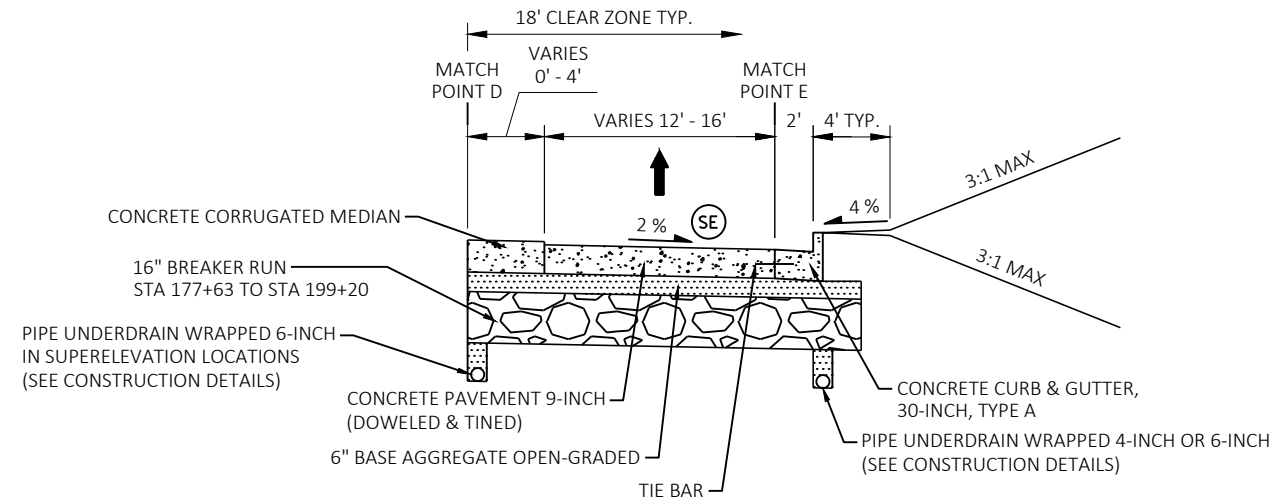
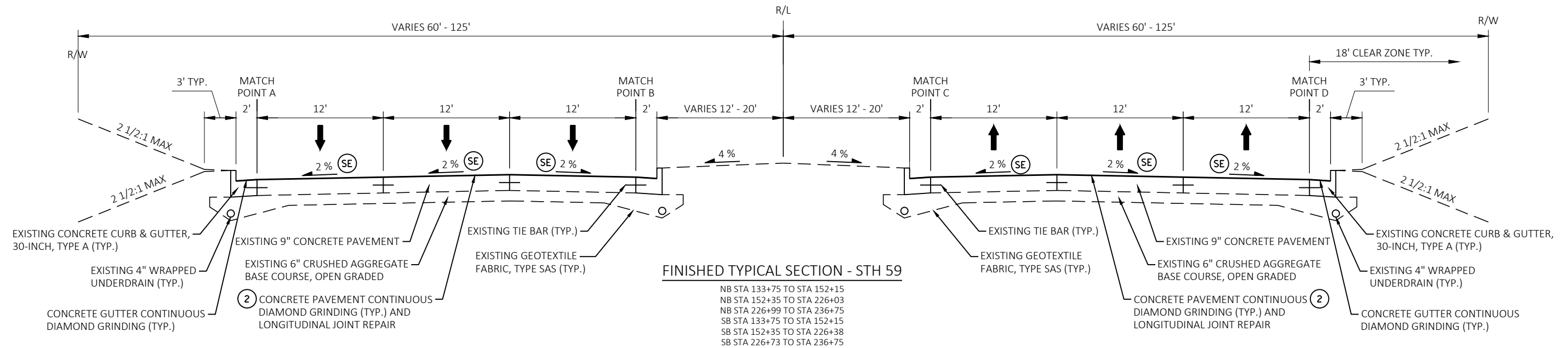
STA 251+23 TO STA 253+91

NOTES:

- (*) THICKNESS IS BASED OFF OF BORINGS TAKEN.
THICKNESS MAY VARY.

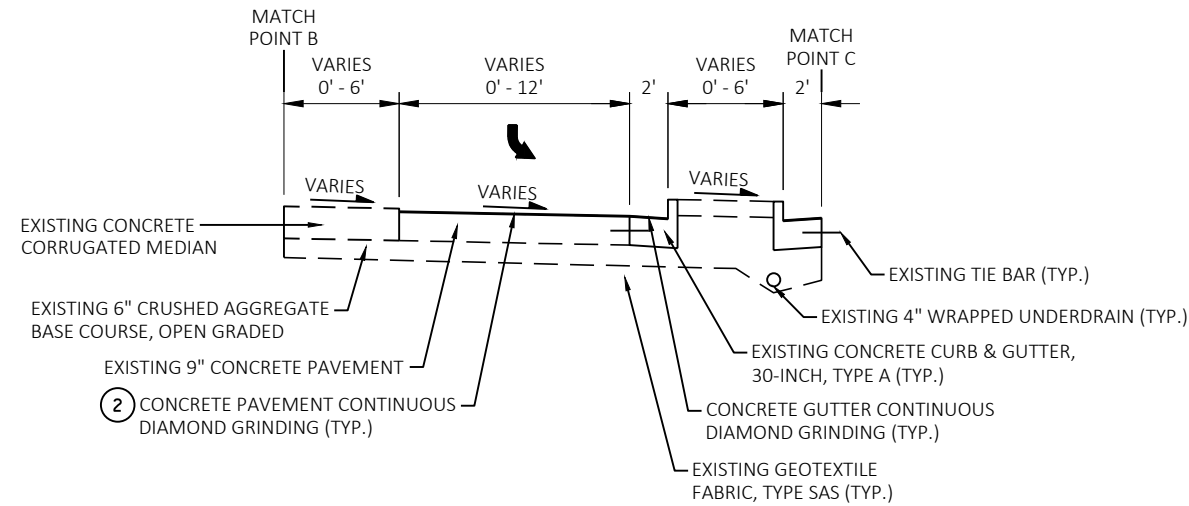


NOTES:
(*) THICKNESS IS BASED OFF OF BORINGS TAKEN.
THICKNESS MAY VARY.



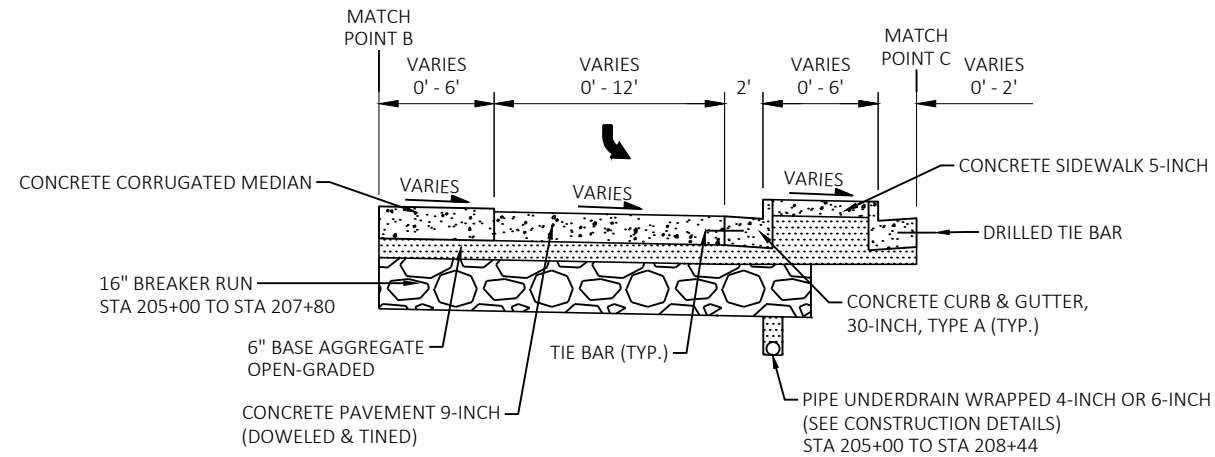
NOTES:

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



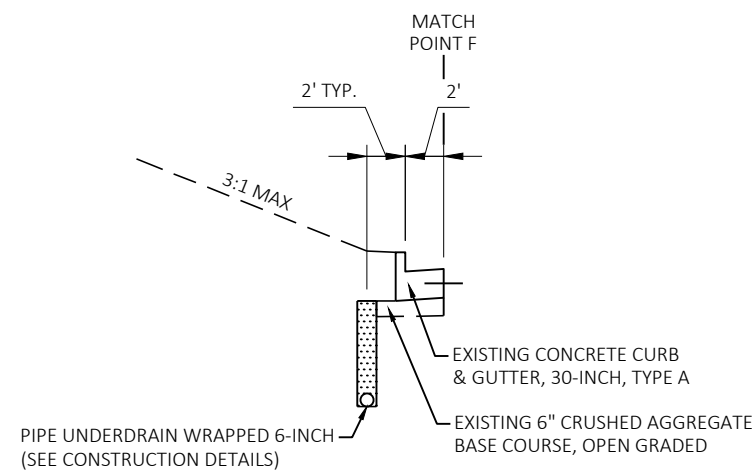
① TYPICAL FINISHED LEFT TURN LANE SECTION WITH CORRUGATED MEDIAN - STH 59

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



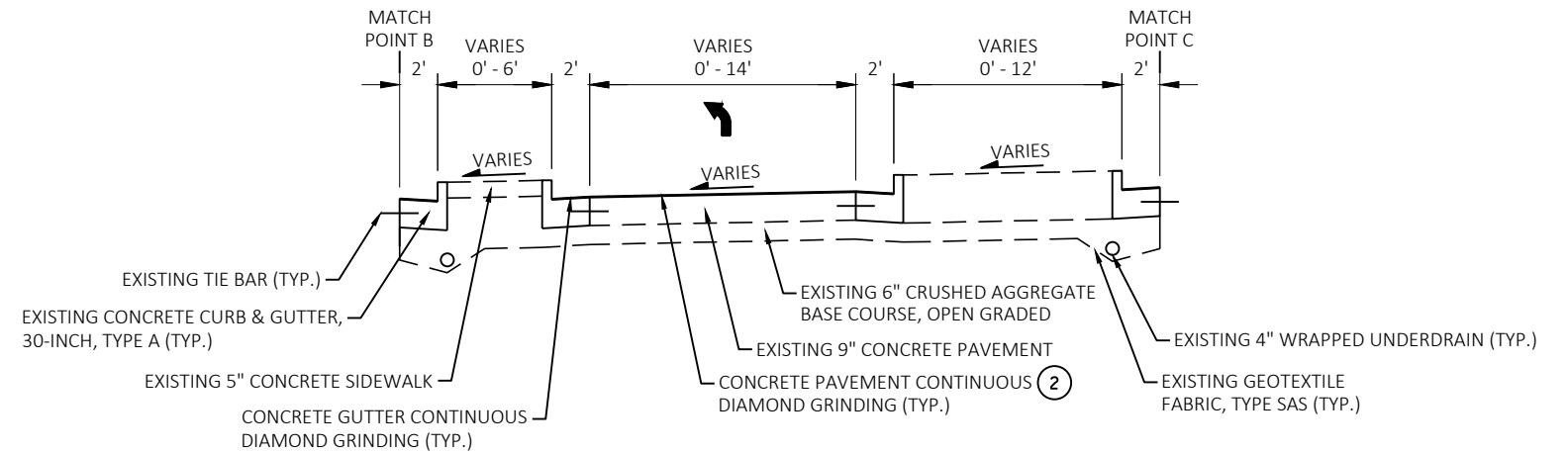
TYPICAL FINISHED LEFT TURN LANE SECTION WITH CORRUGATED MEDIAN - STH 59

STA 204+21 LT TO STA 208+44 LT



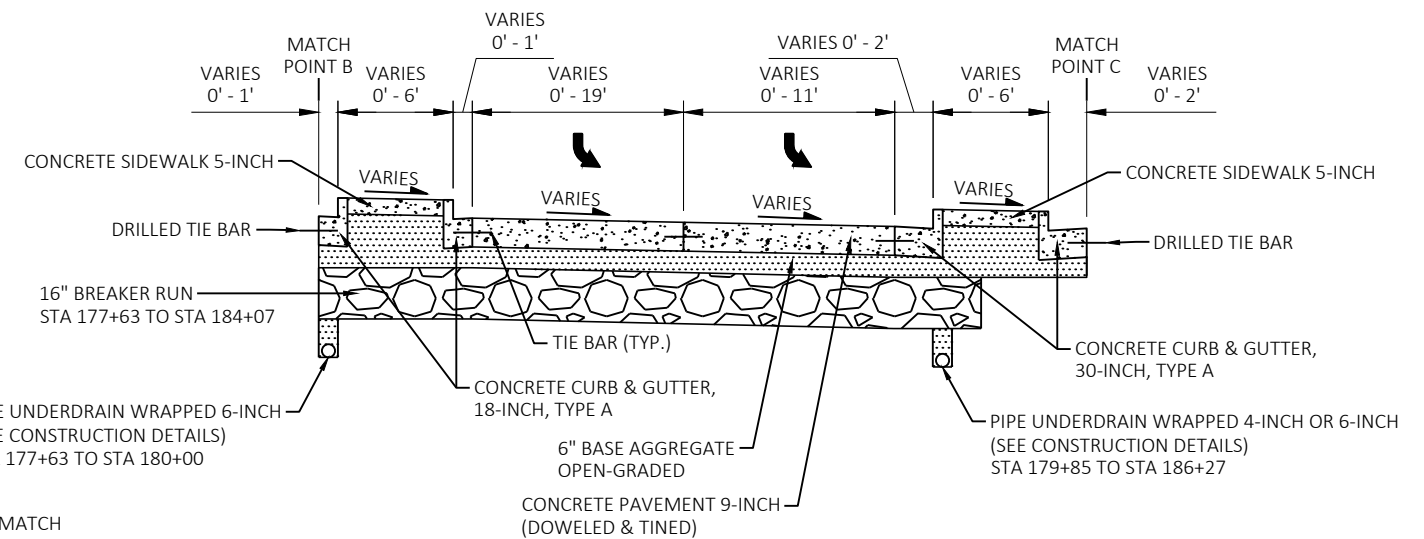
TYPICAL FINISHED RIGHT TURN LANE SECTION - STH 59

STA 178+47 LT TO STA 179+04 LT



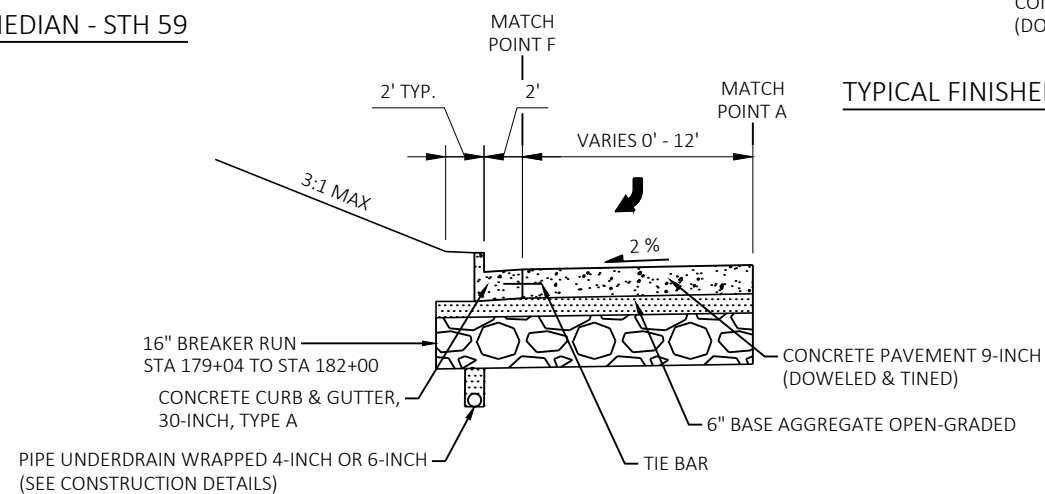
TYPICAL FINISHED LEFT TURN LANE SECTION WITH RAISED MEDIAN - STH 59

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

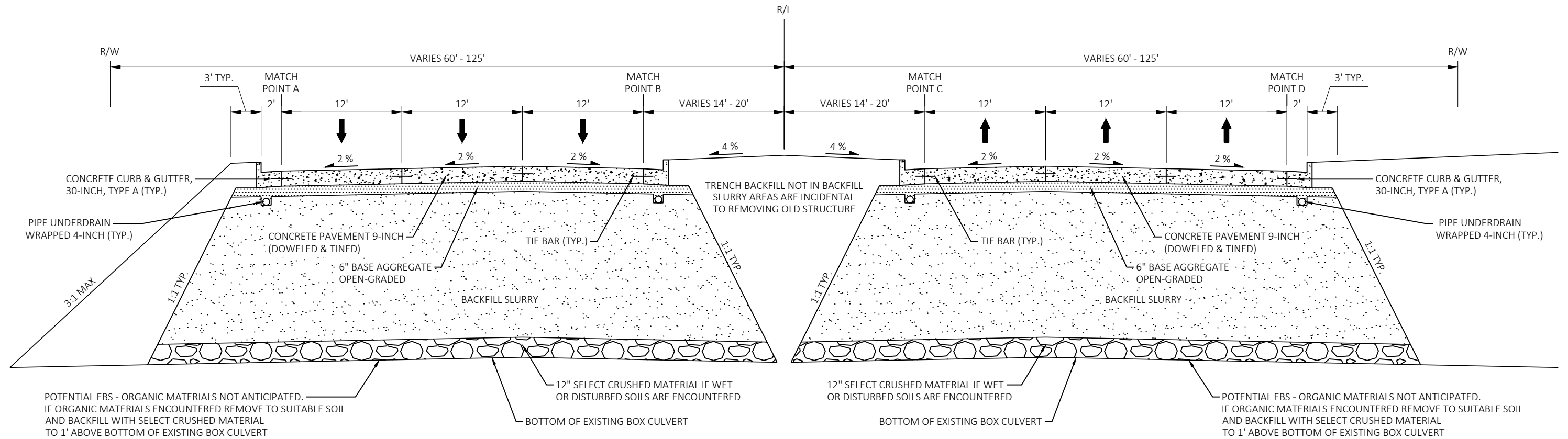


TYPICAL FINISHED RIGHT TURN LANE SECTION - STH 59

STA 179+04 LT TO STA 182+04 LT

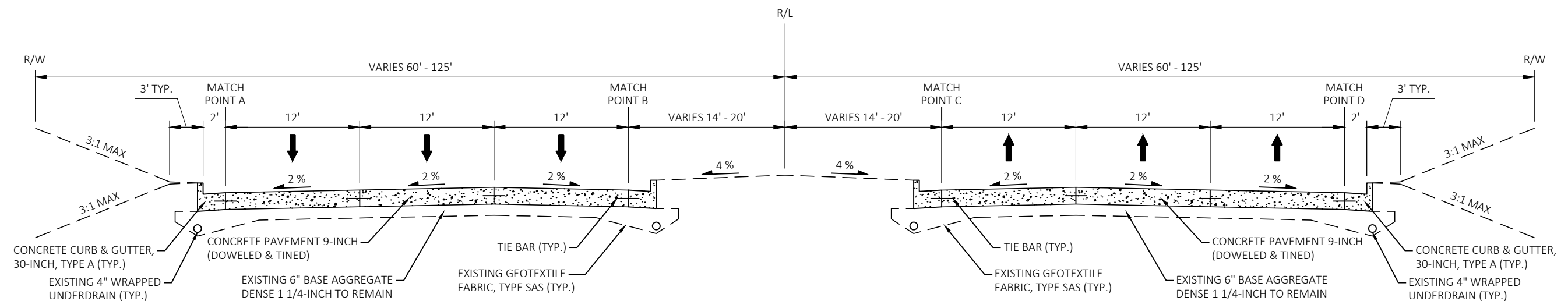
NOTES:

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



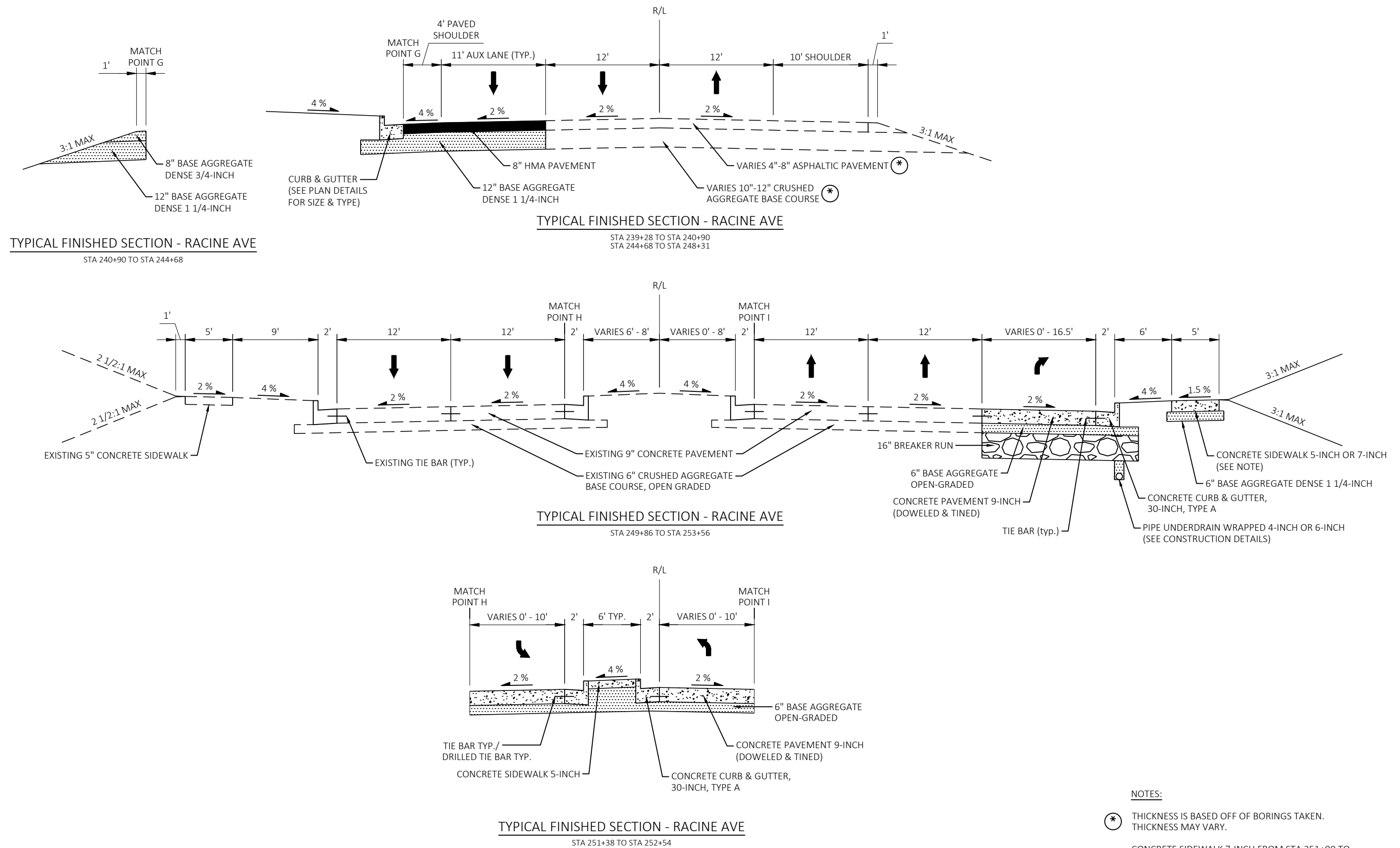
FINISHED TYPICAL SECTION - STH 59

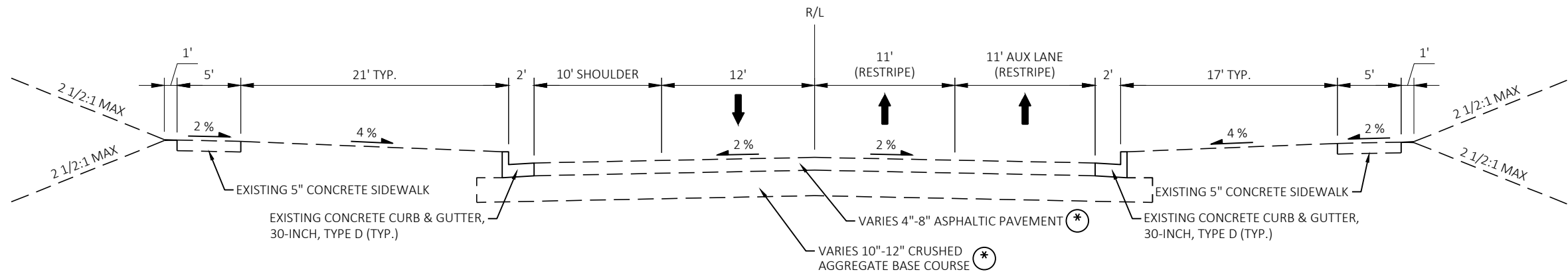
STA 152+15 TO STA 152+35



FINISHED TYPICAL SECTION - STH 59

NB STA 226+38 TO STA 226+73
SB STA 226+03 TO STA 226+99





TYPICAL FINISHED SECTION - RACINE AVE

STA 258+24 TO STA 267+19

NOTES:



THICKNESS IS BASED OFF OF BORINGS TAKEN.
THICKNESS MAY VARY.

PROJECT NO: 2773-10-70

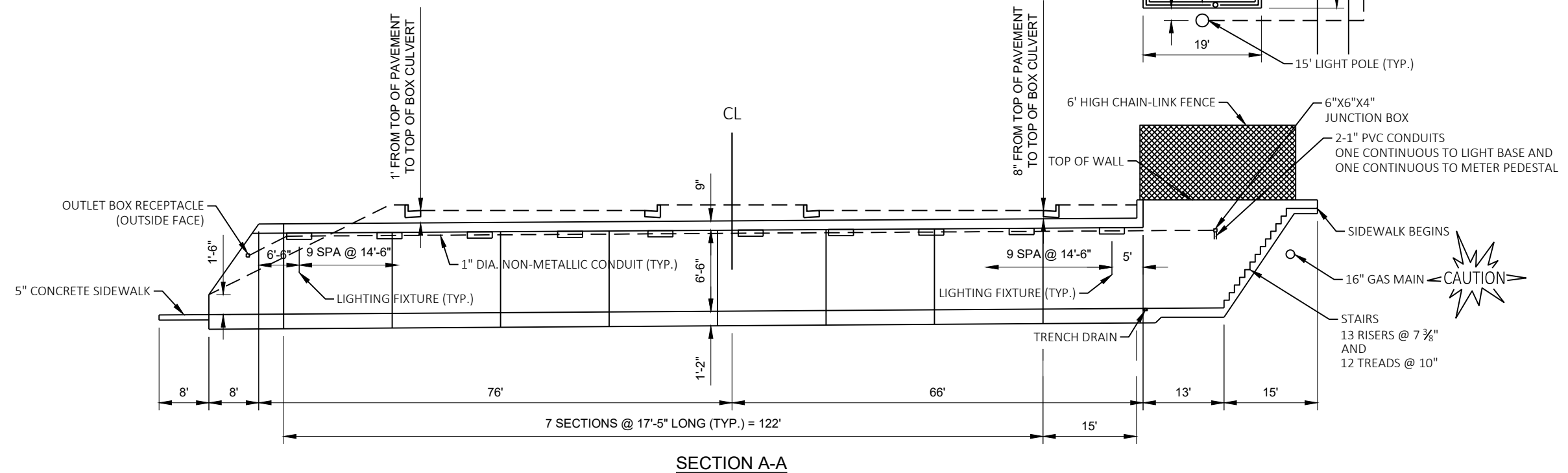
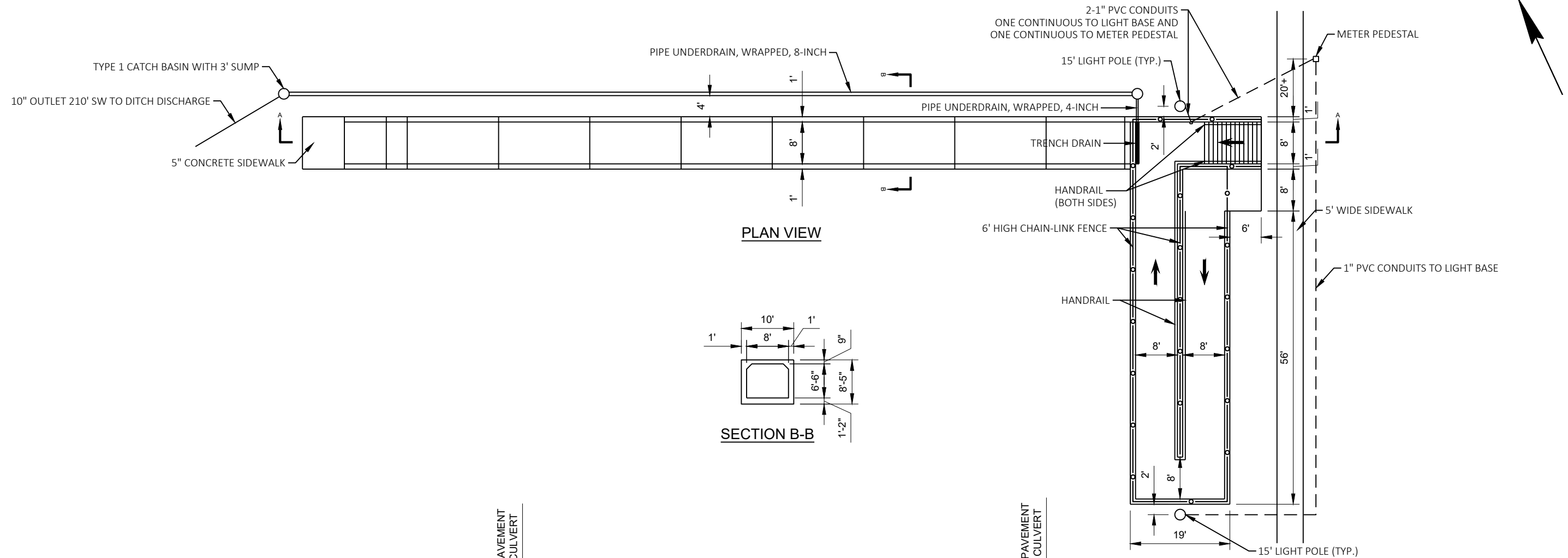
HWY: STH 59

COUNTY: WAUKESHA

TYPICAL SECTIONS

SHEET

E



REMOVING PEDESTRIAN UNDERPASS C-67-46 - EXISTING CONDITIONS

PROJECT NO: 2773-10-70

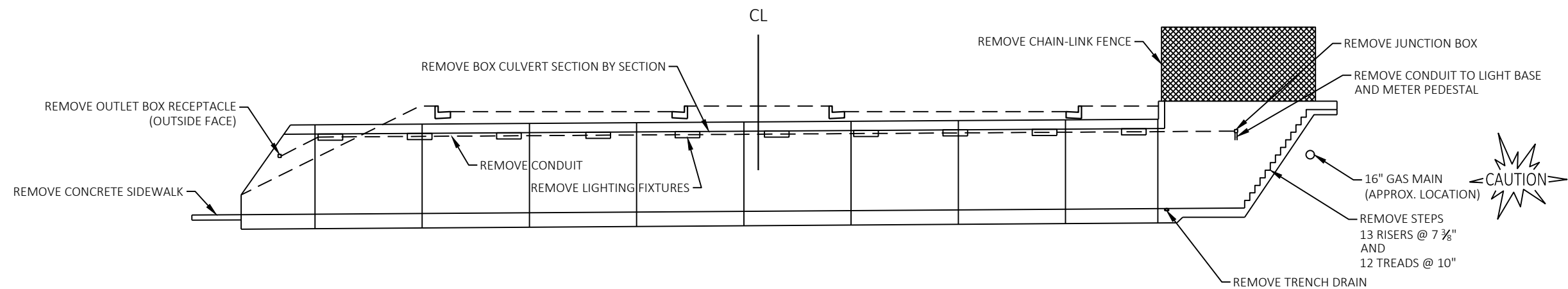
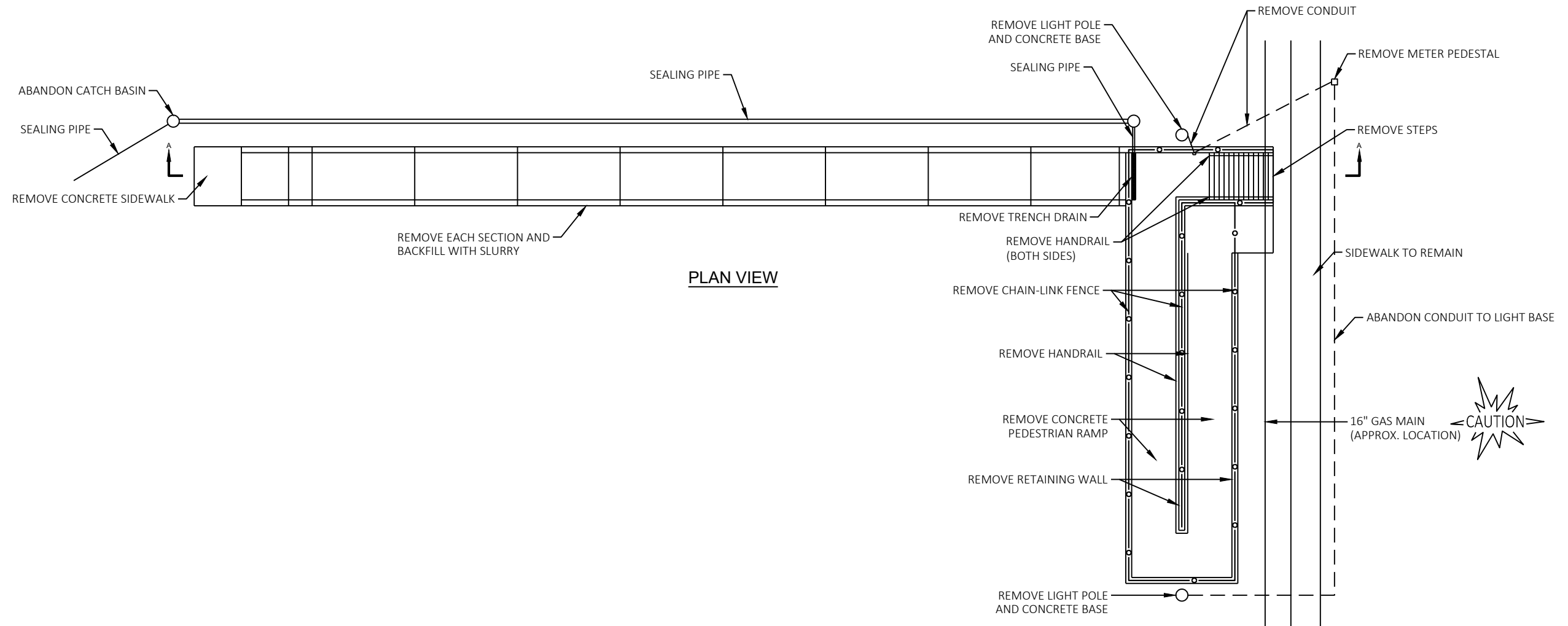
HWY: STH 59

COUNTY: WAUKESHA

CONSTRUCTION DETAILS

SHEET

E



SECTION A-A

REMOVING PEDESTRIAN UNDERPASS C-67-46 - PROPOSED REMOVALS

PROJECT NO: 2773-10-70

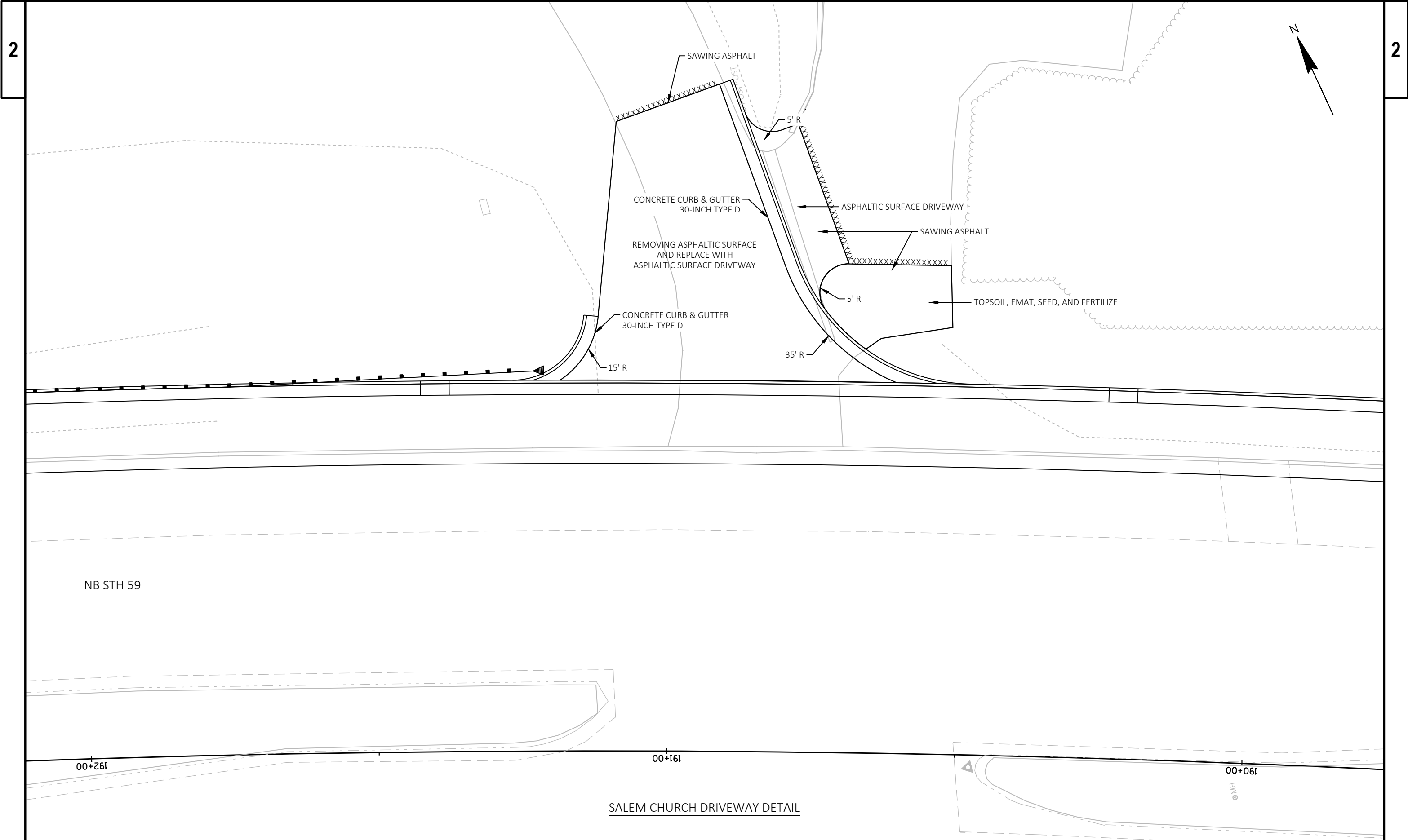
HWY: STH 59

COUNTY: WAUKESHA

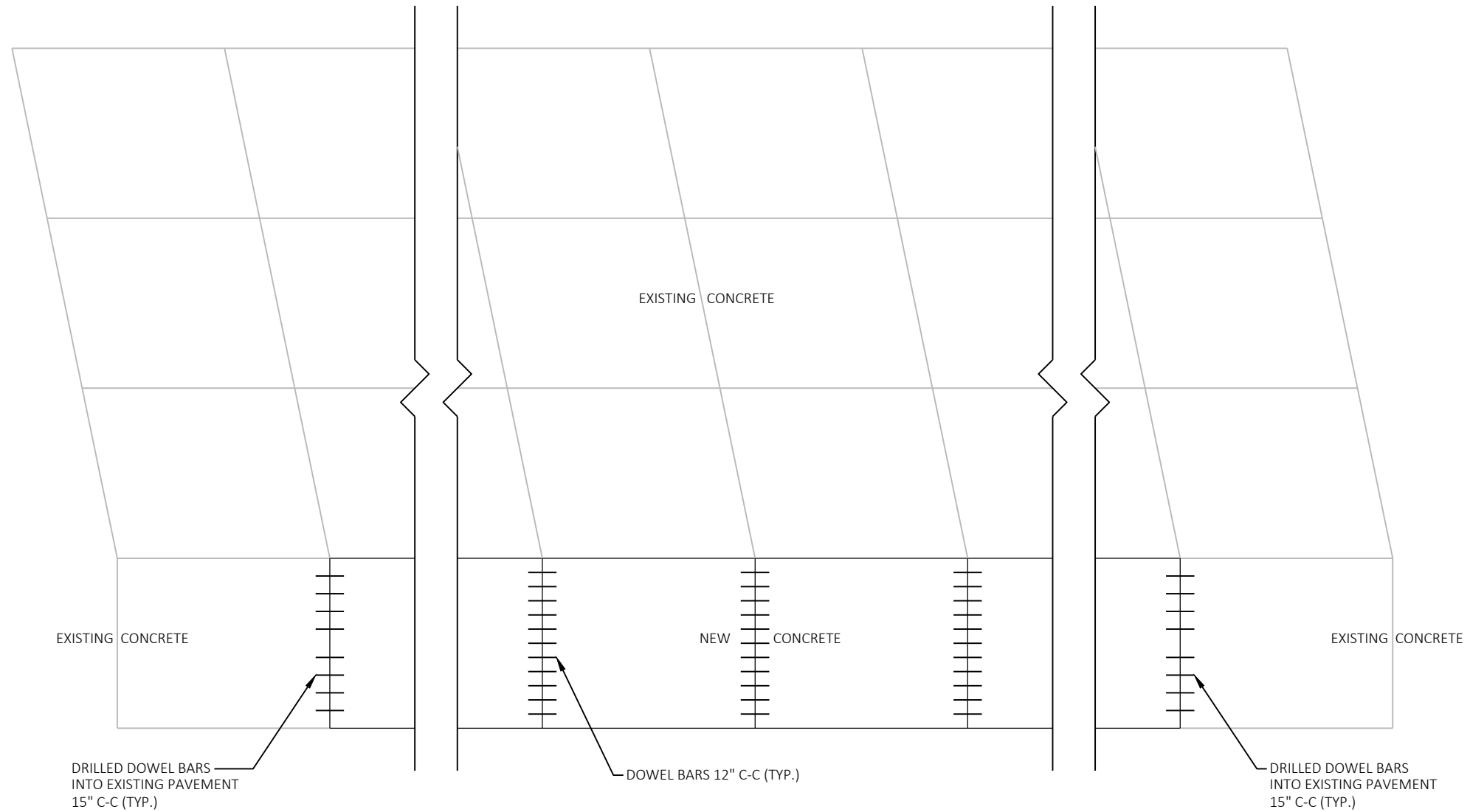
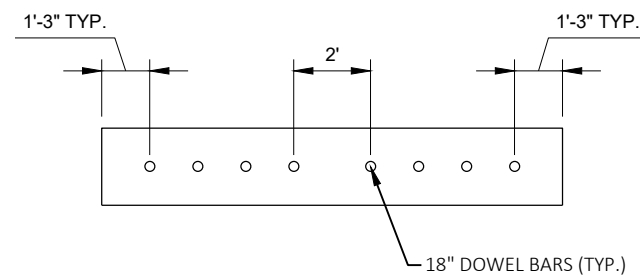
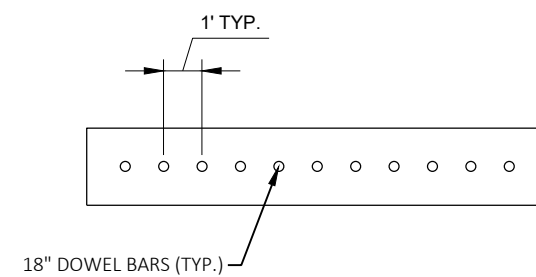
CONSTRUCTION DETAILS

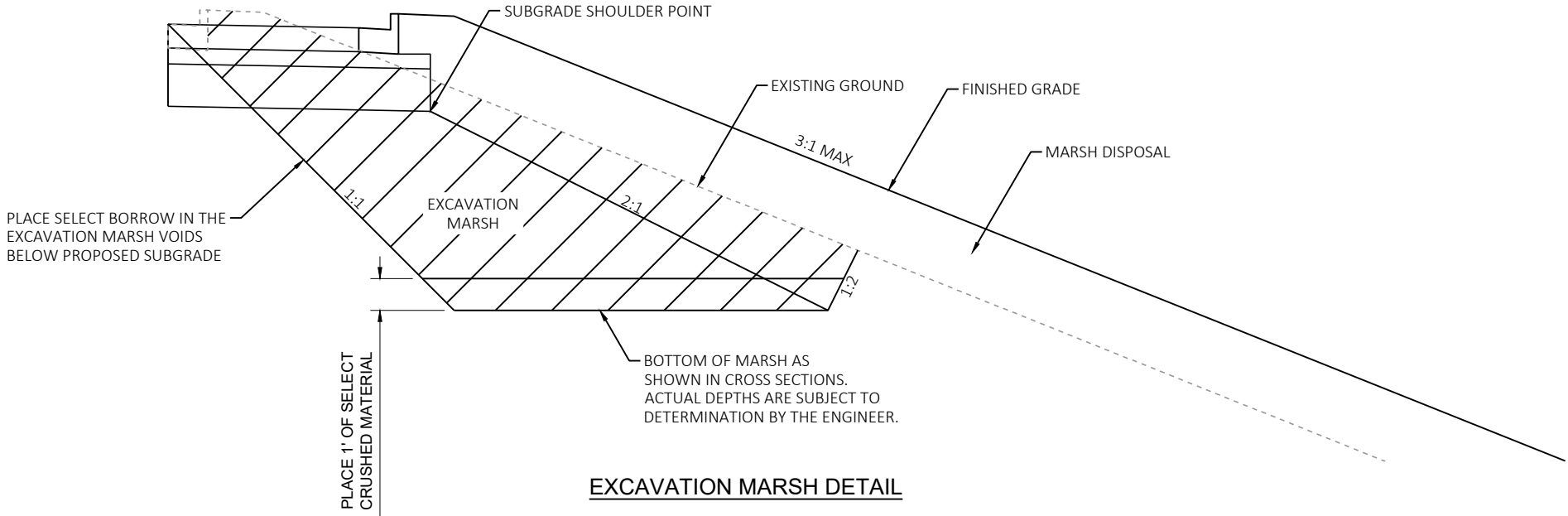
SHEET

E

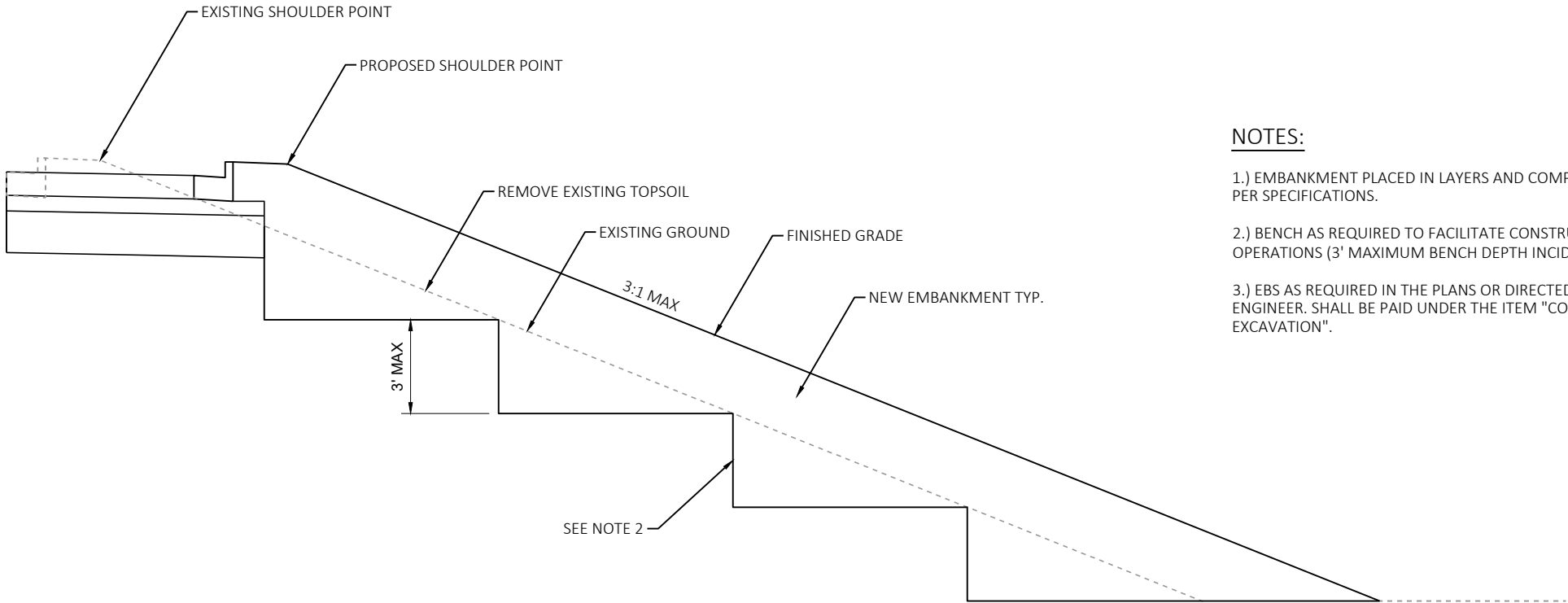


PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET	E
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PLAN VIEWSECTION VIEW AT EXISTING PAVEMENT JOINTSECTION VIEW AT NEW PAVEMENT JOINTAUXILIARY LANE DETAIL



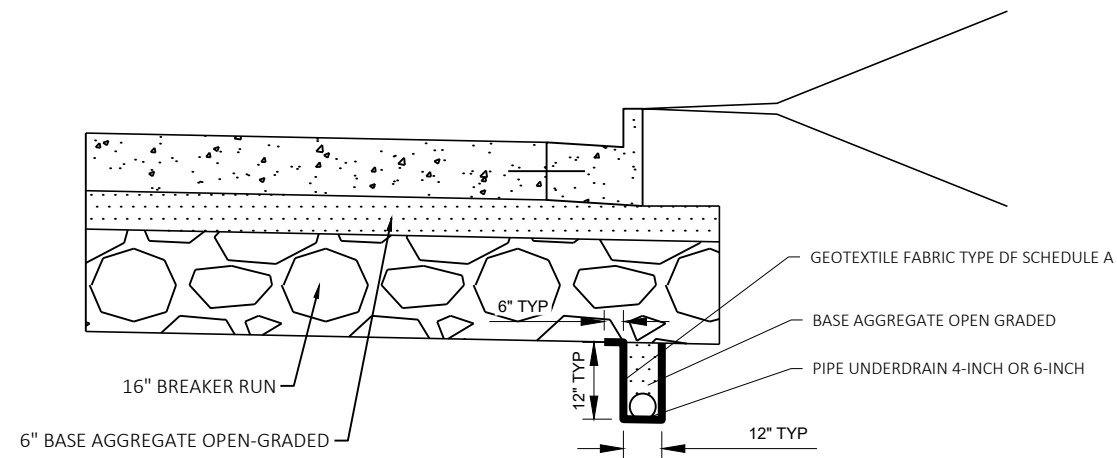
EXCAVATION MARSH DETAIL



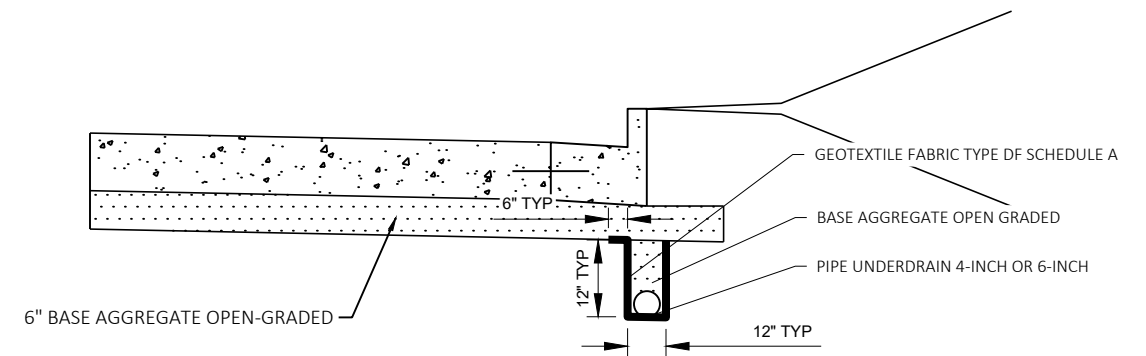
STEPPED EMBANKMENT DETAIL

NOTES:

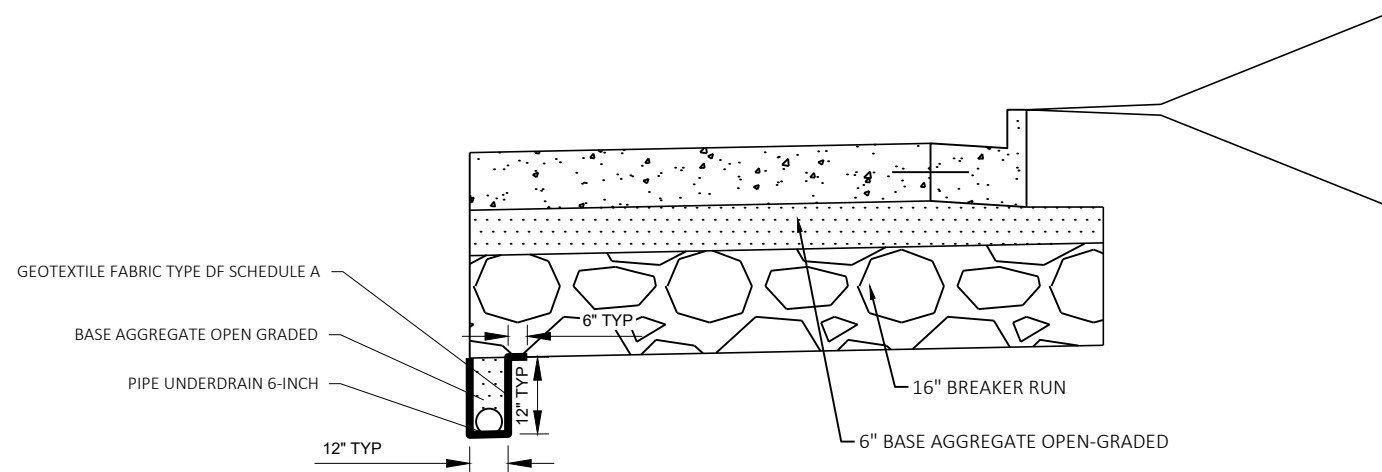
- 1.) EMBANKMENT PLACED IN LAYERS AND COMPACTED PER SPECIFICATIONS.
- 2.) BENCH AS REQUIRED TO FACILITATE CONSTRUCTION OPERATIONS (3' MAXIMUM BENCH DEPTH INCIDENTAL)
- 3.) EBS AS REQUIRED IN THE PLANS OR DIRECTED BY THE ENGINEER. SHALL BE PAID UNDER THE ITEM "COMMON EXCAVATION".



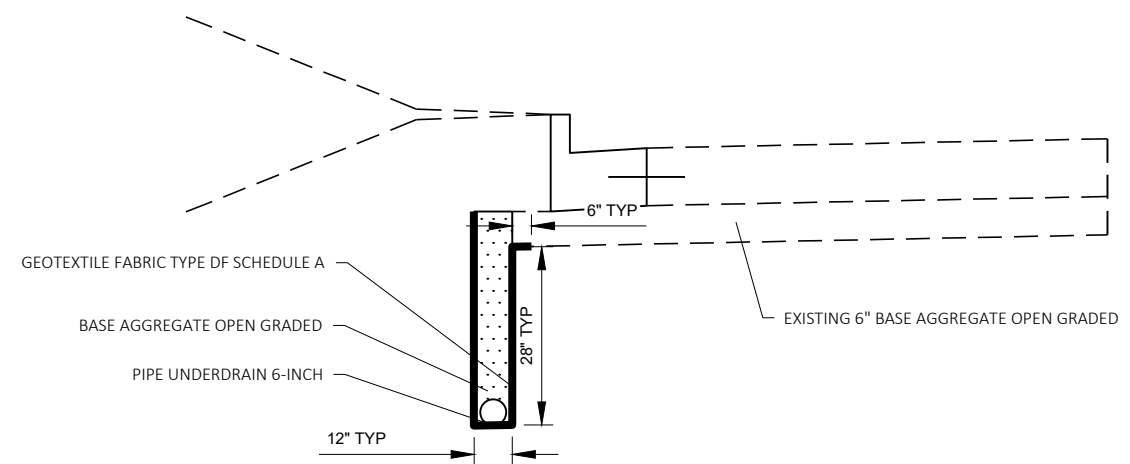
TYPICAL DETAIL WITH BREAKER



TYPICAL DETAIL WITHOUT BREAKER



SUPERELEVATION DETAIL
STA 183+50 RT TO STA 199+20 RT

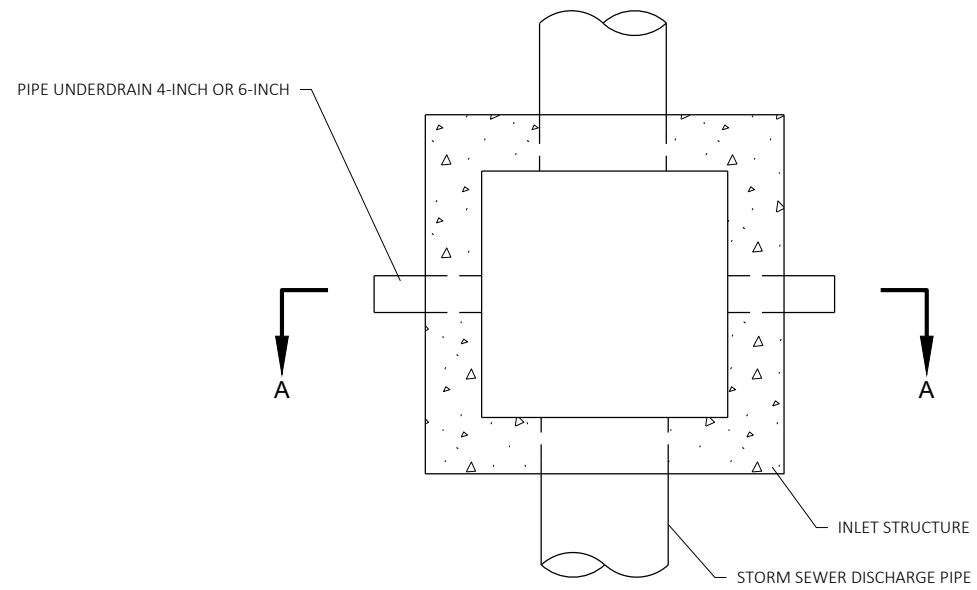


TYPICAL DETAIL BEHIND CURB & GUTTER
STA 178+47 LT TO STA 179+04 LT

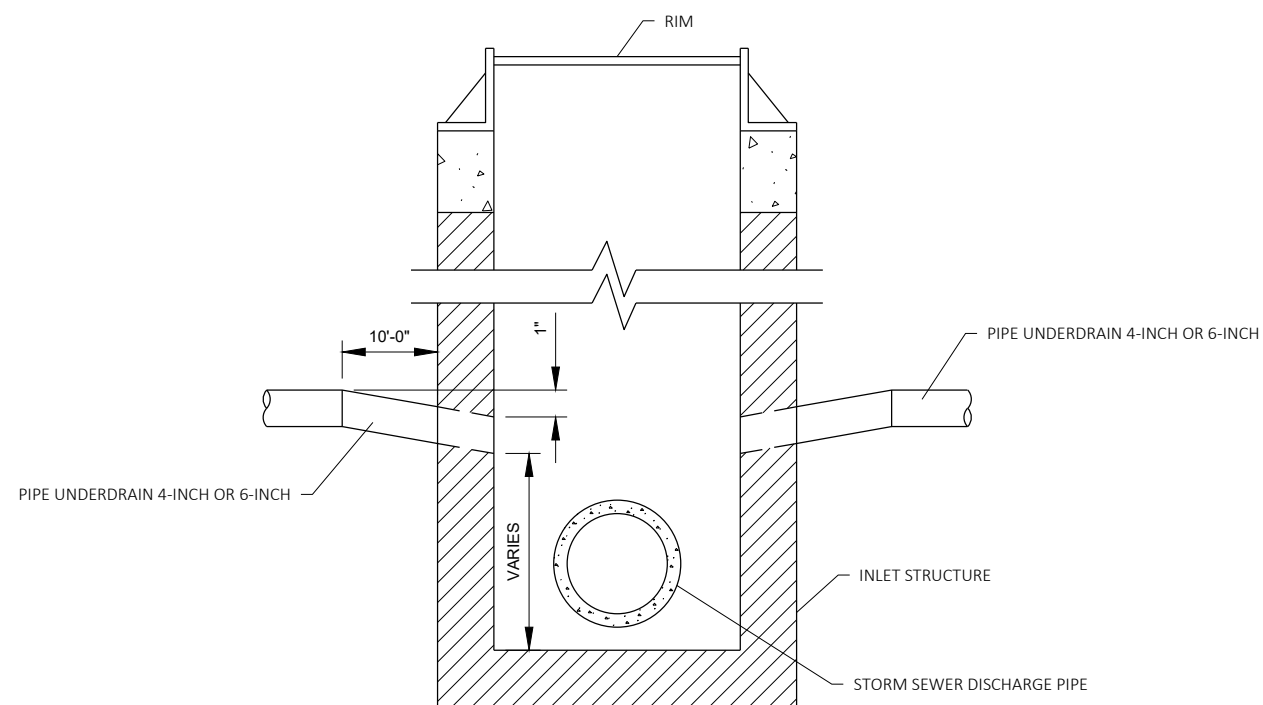
PIPE UNDERDRAIN DETAILS

NOTE

1. SEE TYPICAL SECTIONS AND STORM SEWER PLANS FOR PIPE UNDERDRAIN LOCATIONS.
2. WHEN CONNECTING TO EXISTING PIPE UNDERDRAIN, USE PIPE UNDERDRAIN 4-INCH.

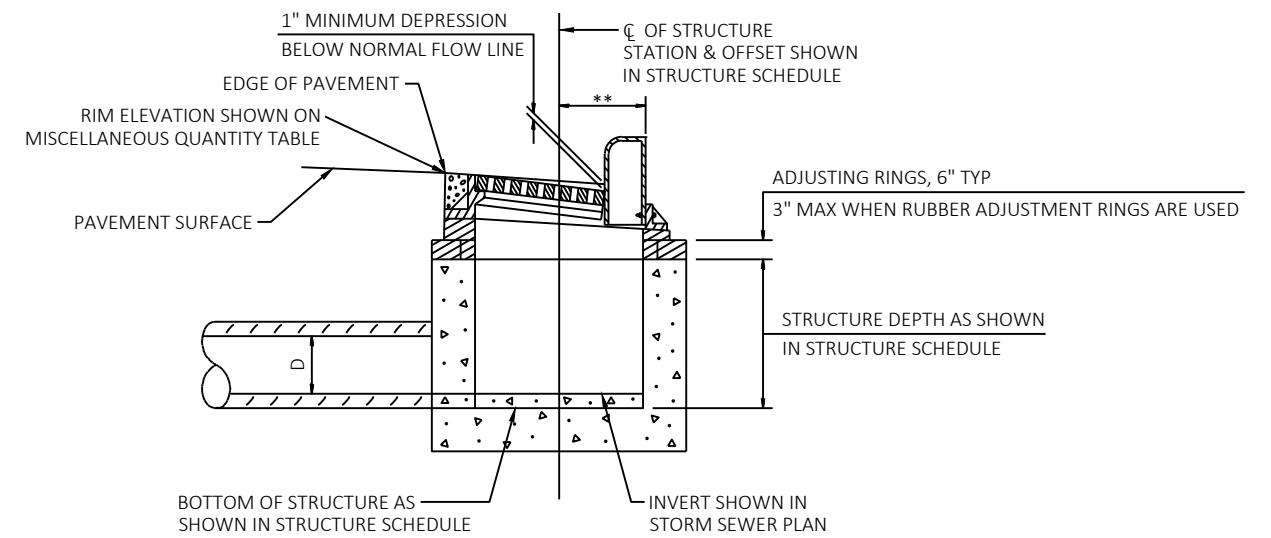
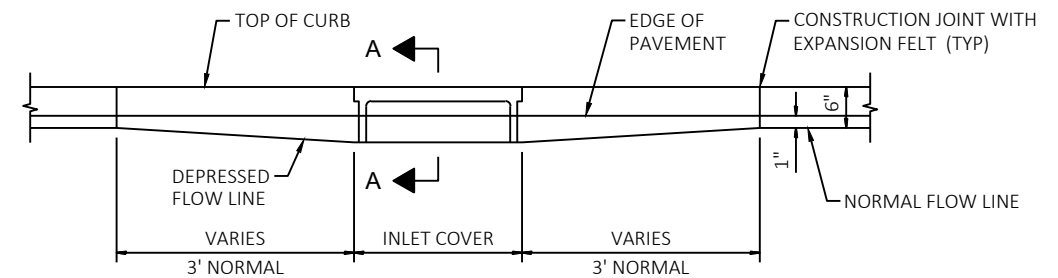


PLAN VIEW



SECTION A-A

CONNECT UNDERDRAIN TO INLET

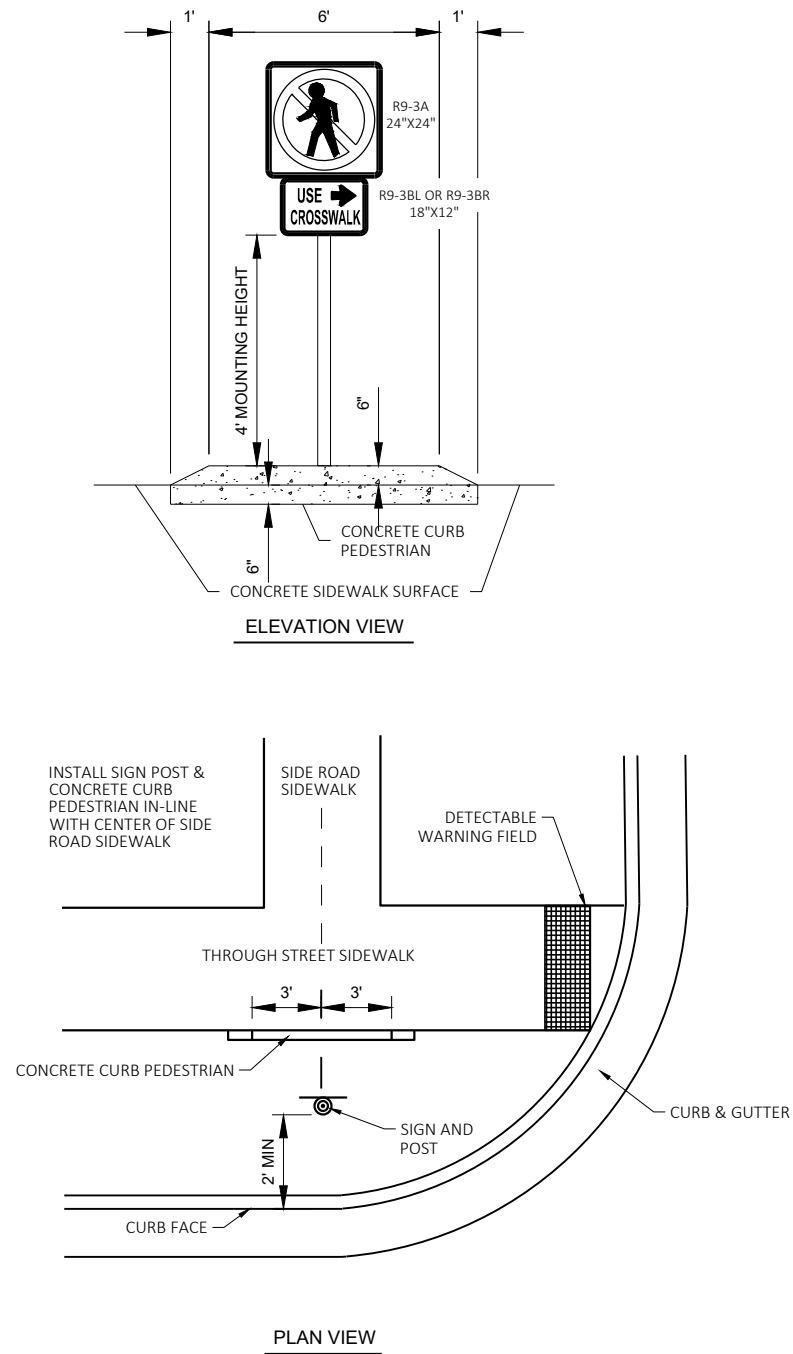


SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

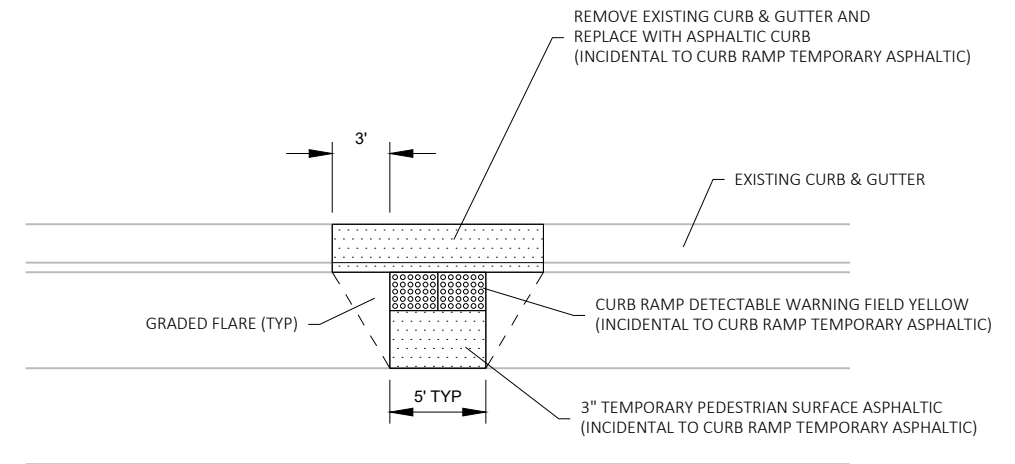
** OFFSET TO CENTER OF STRUCTURE TO BACK OF CURB:

CASTING TYPE	OFFSET
S	18"
H	12"
Z	9"



PEDESTRIAN BARRIER DETAIL

STH 59 & BLACKHAWK TRAIL - SE QUADRANT
STH 59 & BLACKHAWK TRAIL - SW QUADRANT

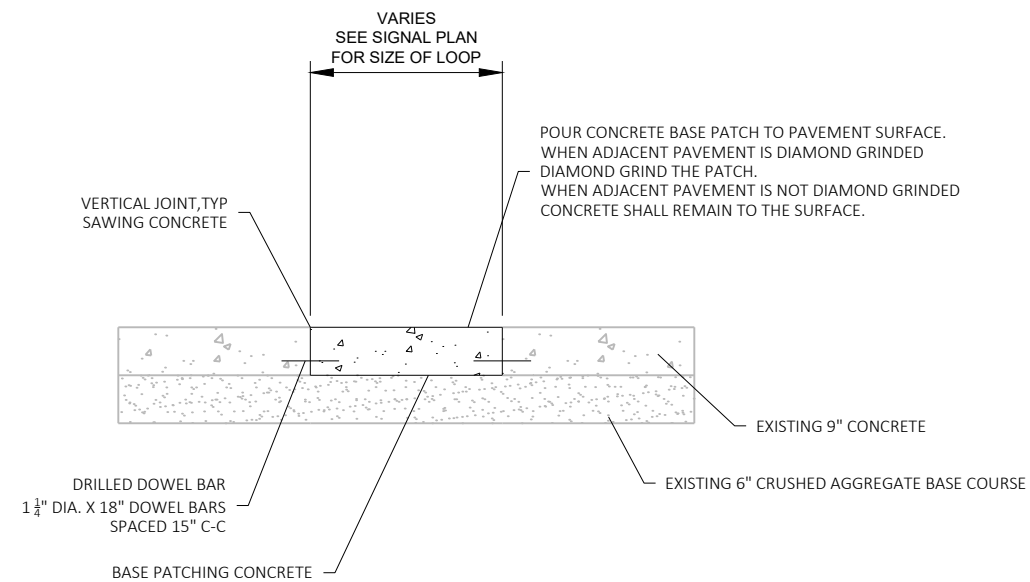


CURB RAMP TEMPORARY ASPHALTIC

SEE TRAFFIC CONTROL PLANS FOR LOCATIONS

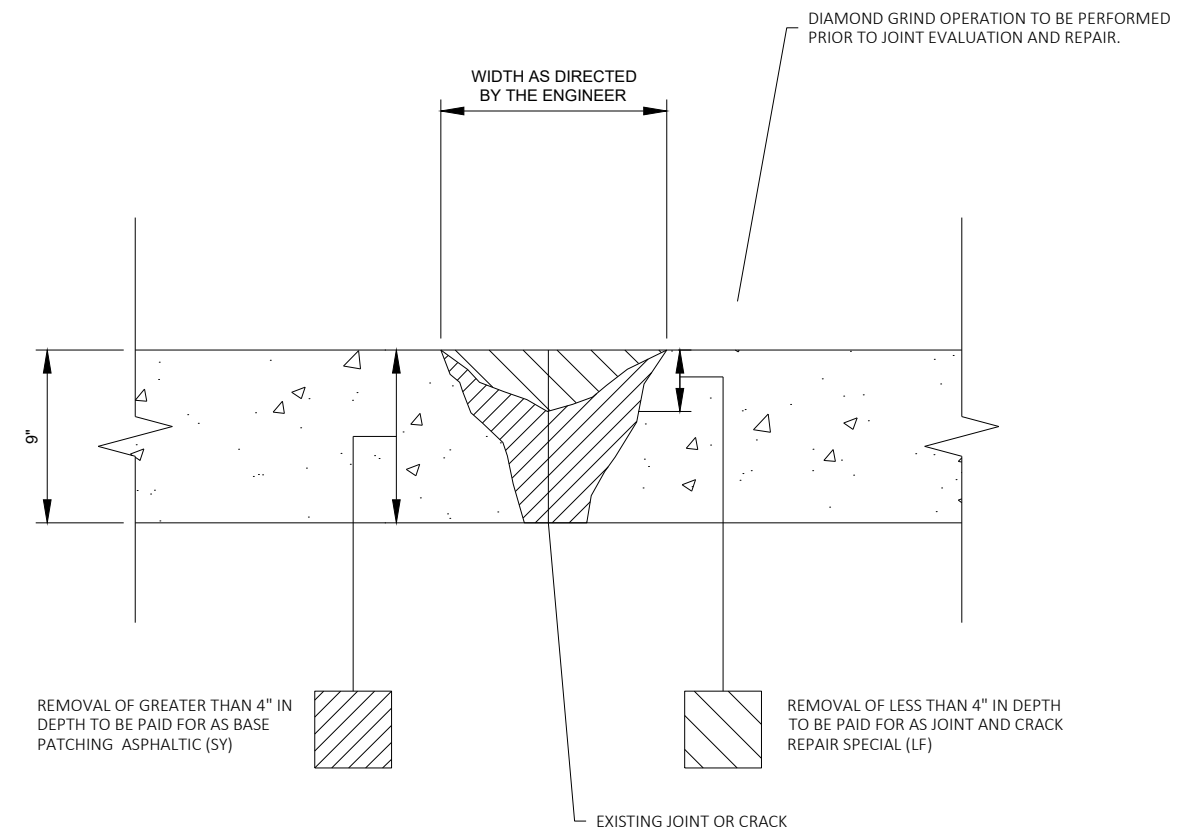
NOTES:

- CURB RAMP TEMPORARY ASPHALTIC SHALL MEET THE FOLLOWING ADA REQUIREMENTS:
 - 8.33% MAXIMUM RUNNING SLOPE
 - 2% MAXIMUM CROSS SLOPE
 - 11% MAX GRADE BREAK BETWEEN CURB RAMP SLOPE AND GUTTER PLAN SLOPE
- DETECTABLE WARNING FIELDS MAY BE PLACED INTO UNCOMPACTED ASPHALT OR MAY BE ADHERED TO ASPHALTIC SURFACE



NOTE:

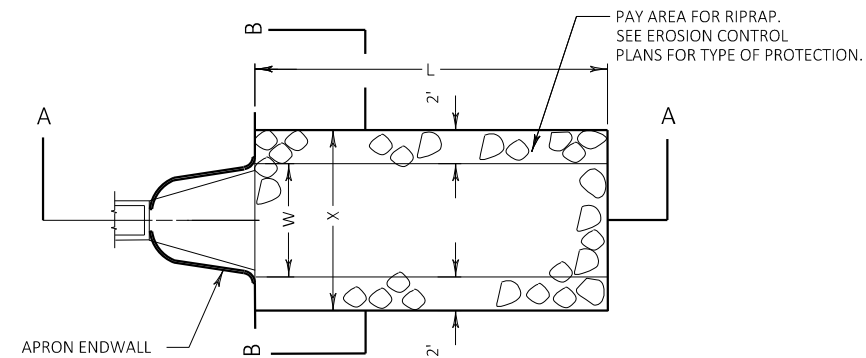
1. CONSTRUCT IN ACCORDANCE WITH SDD "BASE PATCHING CONCRETE"
2. PROVIDE NO. 6 X 12" TIE BARS SPACED 30" C-C INSTALLED PERPENDICULAR TO THE LONGITUDINAL JOINT.

BASE PATCHING CONCRETE FOR TRAFFIC SIGNAL LOOPSTRANSVERSE & LONGITUDINAL JOINT REPAIR DETAIL

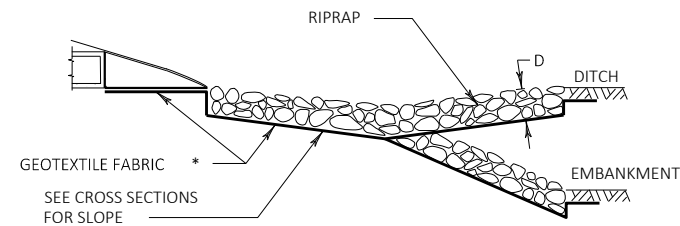
LOCATIONS TO BE DETERMINED BY ENGINEER IN FIELD

NOTES:

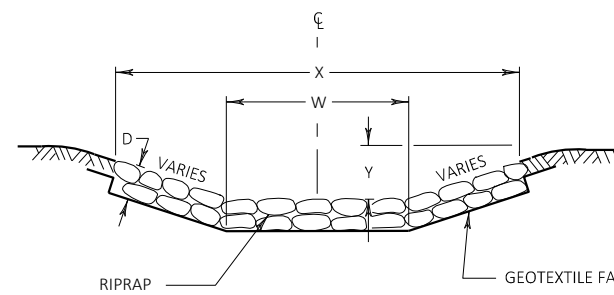
1. WHEN THE DEPTH OF DETERIORATED CONCRETE IS GREATER THAN 4" REMOVAL SHALL BE FULL DEPTH AND SHALL BE MEASURED AND PAID FOR AS BASE PATCHING ASPHALTIC (SY)
2. LOCATION AND EXTENT OF REPAIRS TO BE DETERMINED IN THE FIELD BY THE ENGINEER AFTER MILLING OF THE EXISTING ASPHALT PAVEMENT.



PLAN VIEW



SECTION A-A



SECTION B-B

$L = 3 \times W$ (NOR) OR 10' MIN
OR AS INDICATED IN THE PLANS
OR AS DIRECTED BY THE ENGINEER

$D = 12"$ FOR RIPRAP LIGHT
 $18"$ FOR RIPRAP MEDIUM
 $24"$ FOR RIPRAP HEAVY

$X = W + 4'$ FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
 $W + 6'$ FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

$Y = 0'$ FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
 $6"$ FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

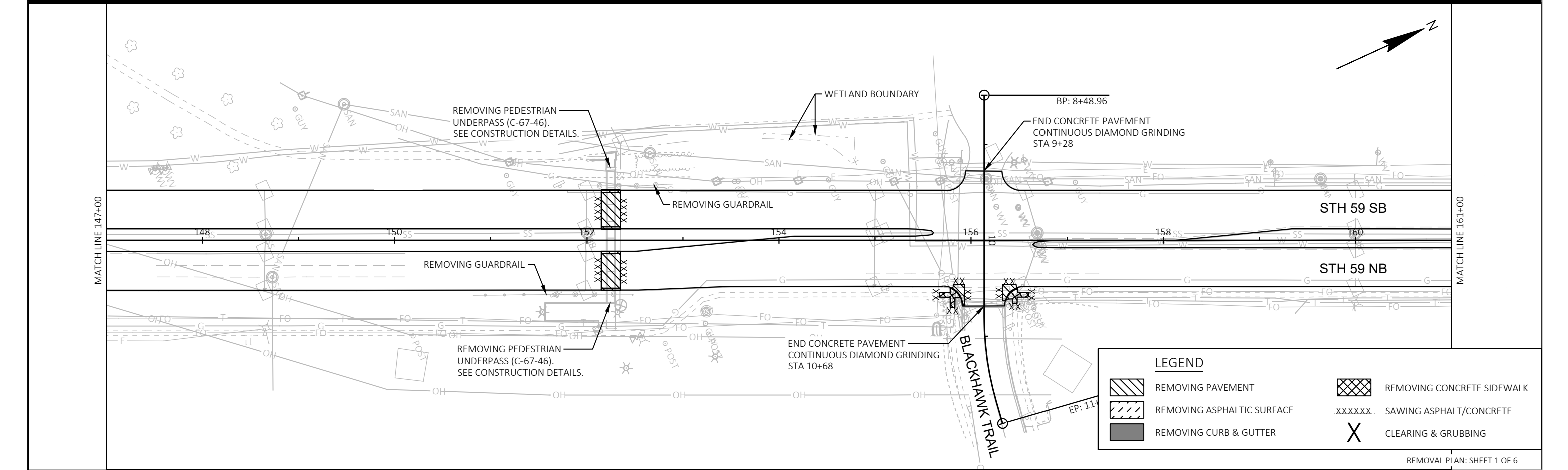
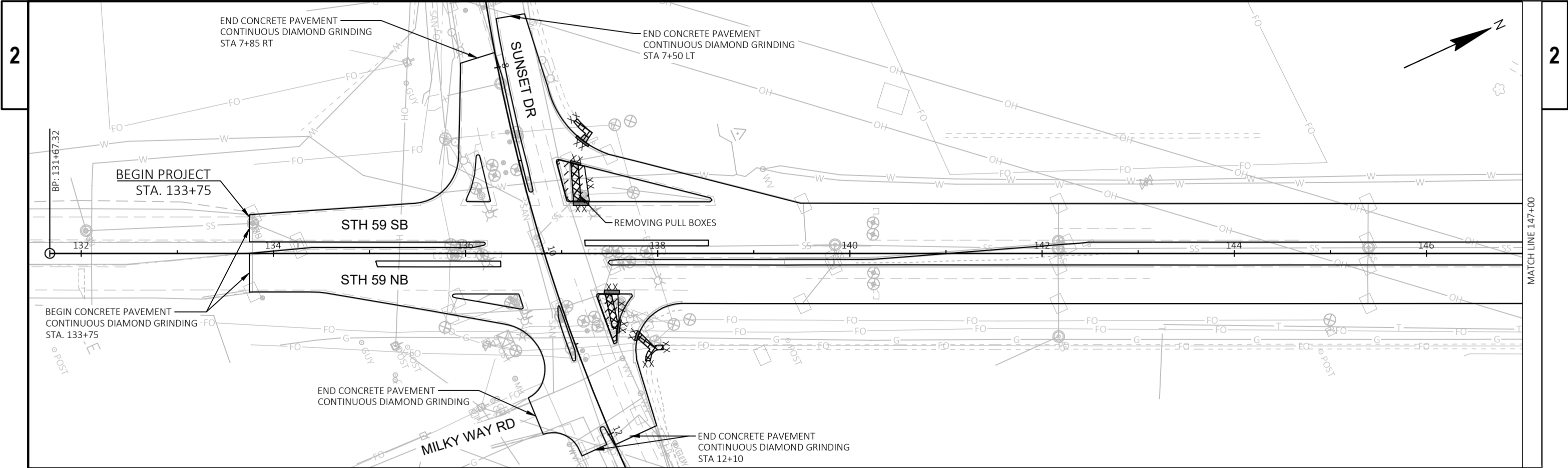
* TYPE R (FOR RIPRAP LIGHT ONLY)
TYPE HR (FOR RIPRAP HEAVY AND MEDIUM ONLY)

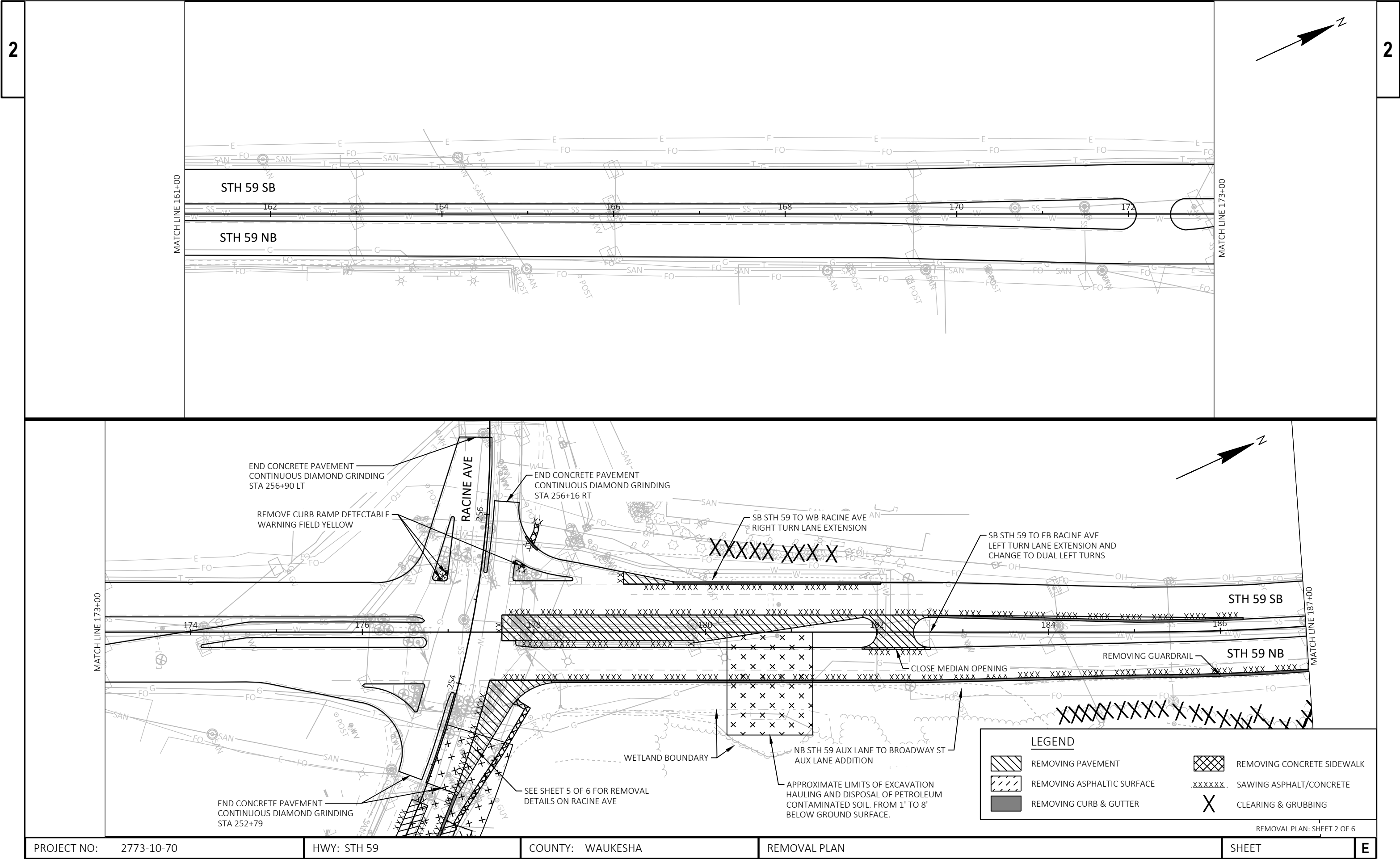
CONSTRUCTION NOTES:

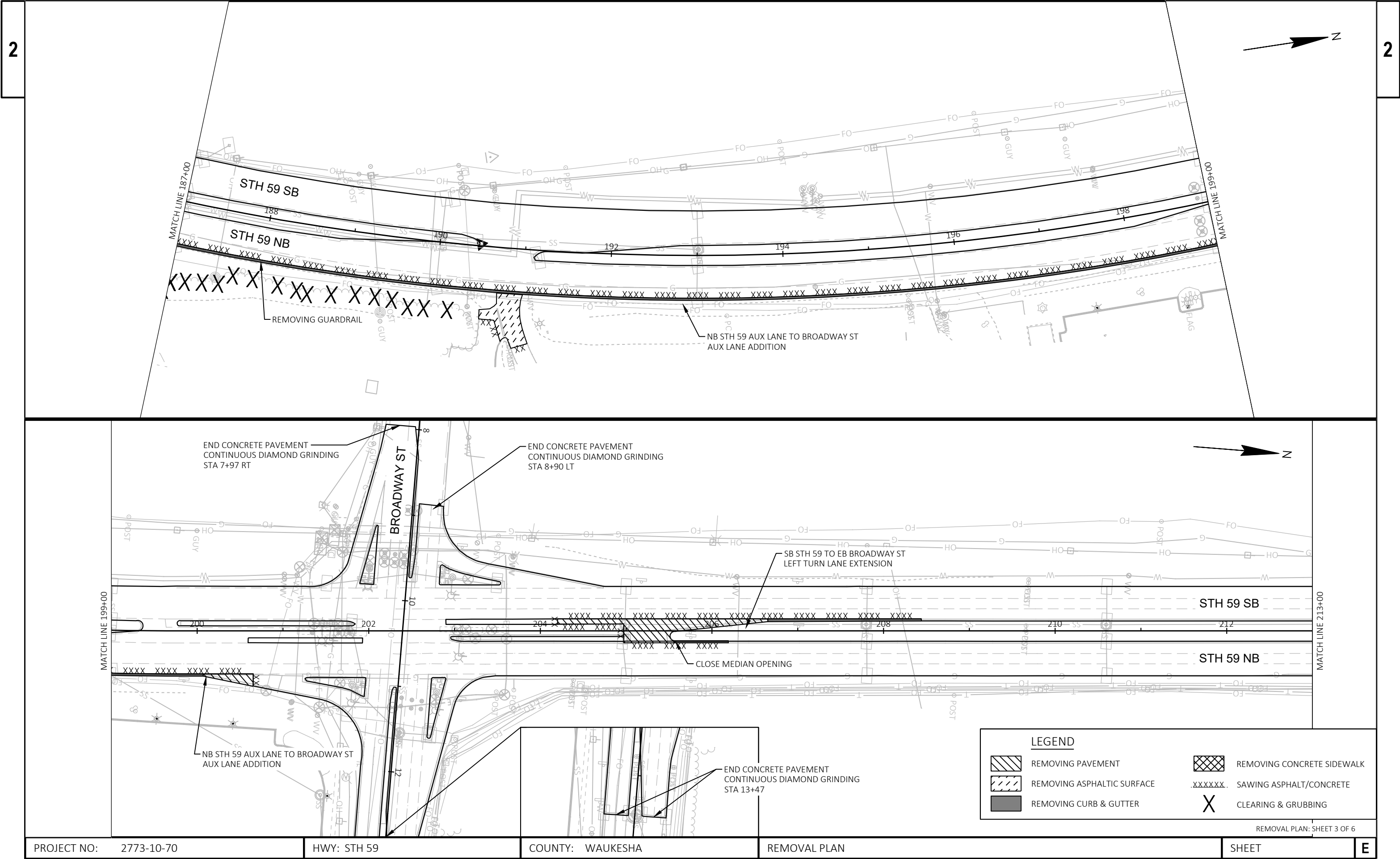
1. GEOTEXTILE FABRIC SHALL EXTEND BENEATH THE ENTIRE LENGTH OF THE APRON ENDWALL SECTION. INSTALL ON PREPAVED FOUNDATION. GRADE PRIOR TO END WALL INSTALLATION.
2. COMPLETE GEOTEXTILE FABRIC AND RIPRAP SECTION INSTALLATION PRIOR TO STORM WATER FLOW.

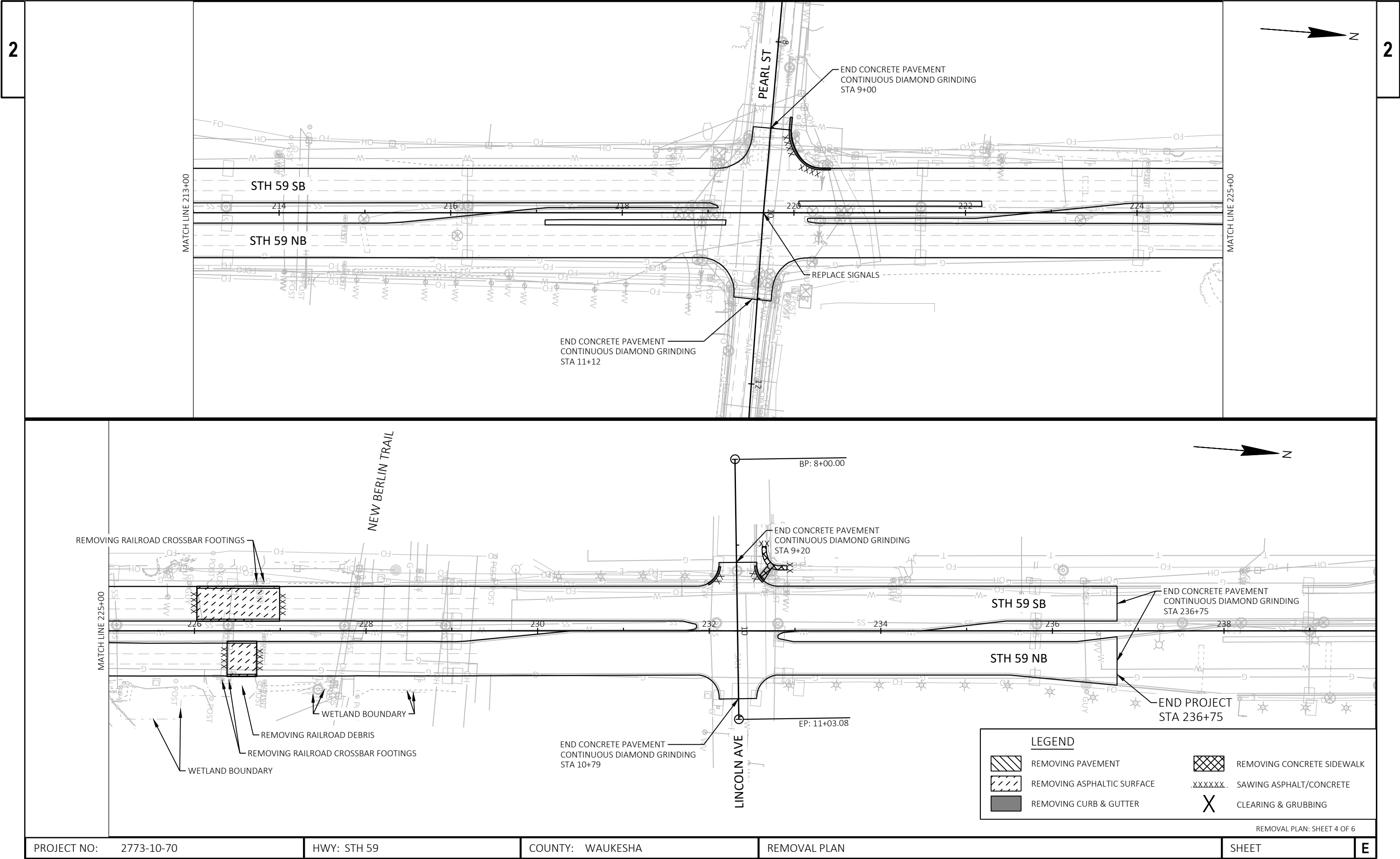
RIPRAP AND GEOTEXTILE FABRIC DETAIL
AT APRON ENDWALLS

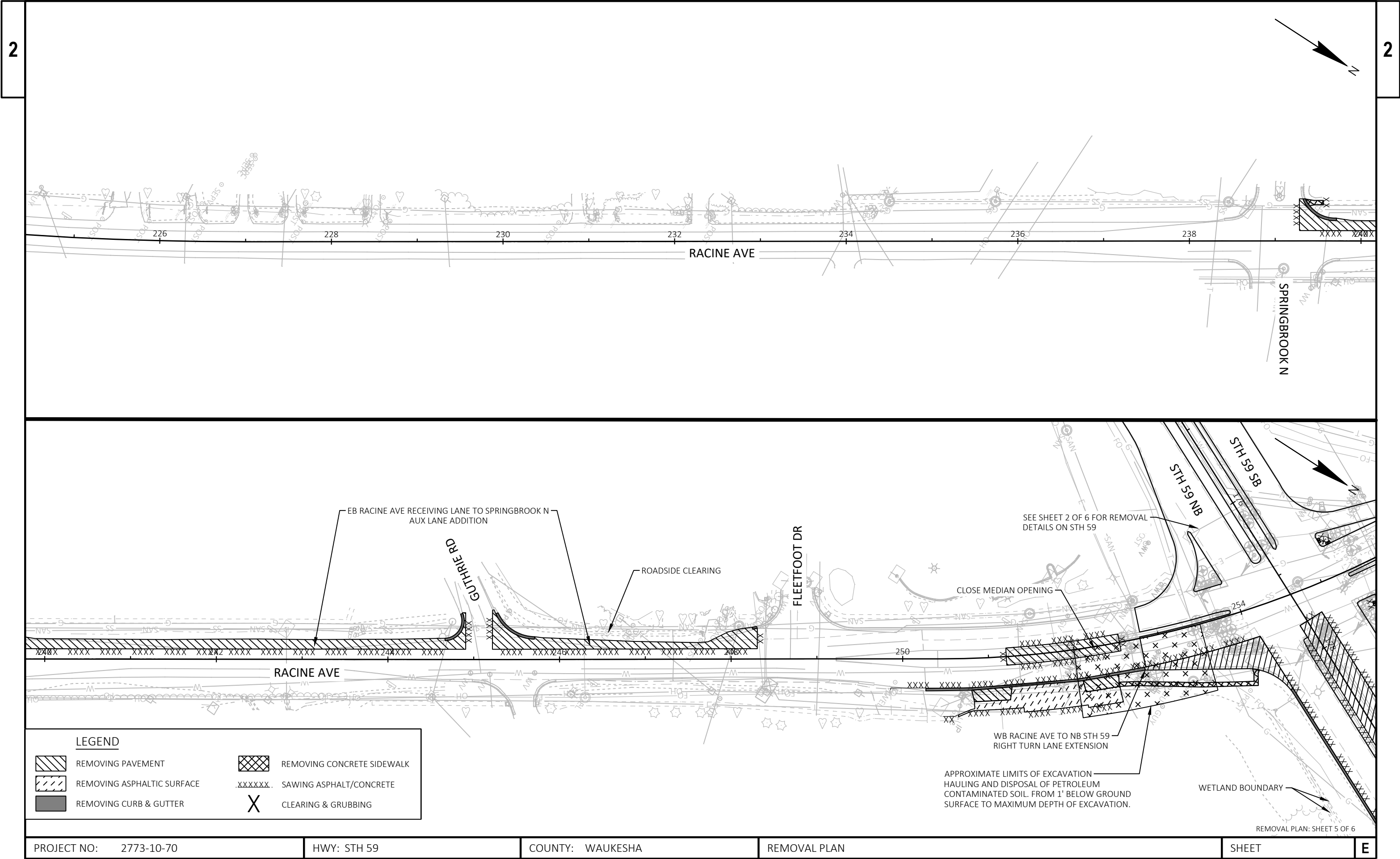
SEE EROSION CONTROL PLAN FOR LOCATIONS

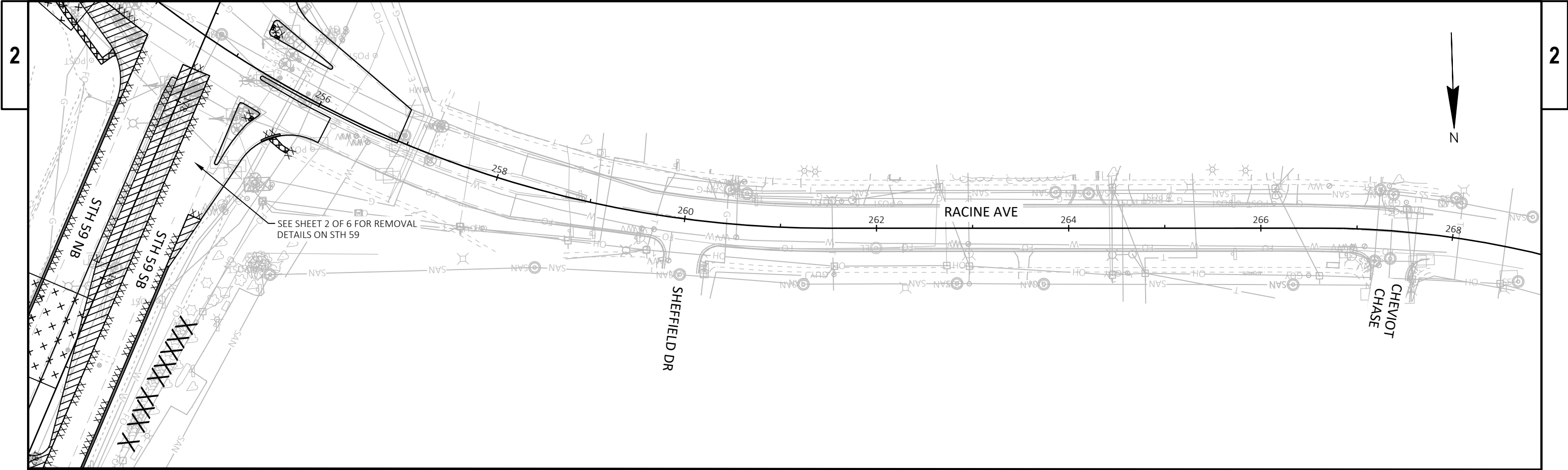








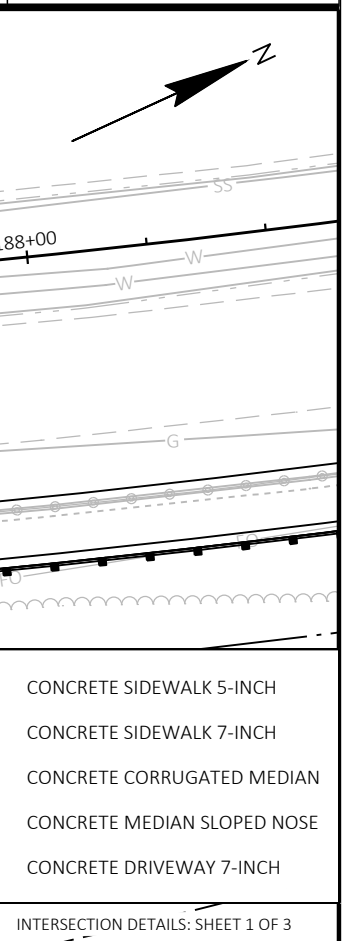
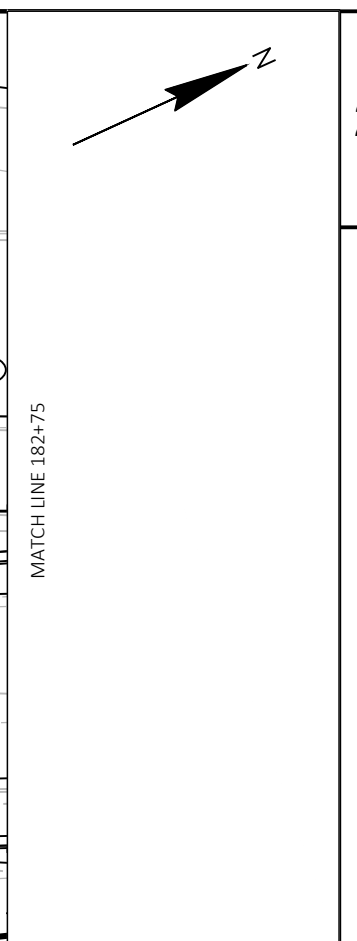


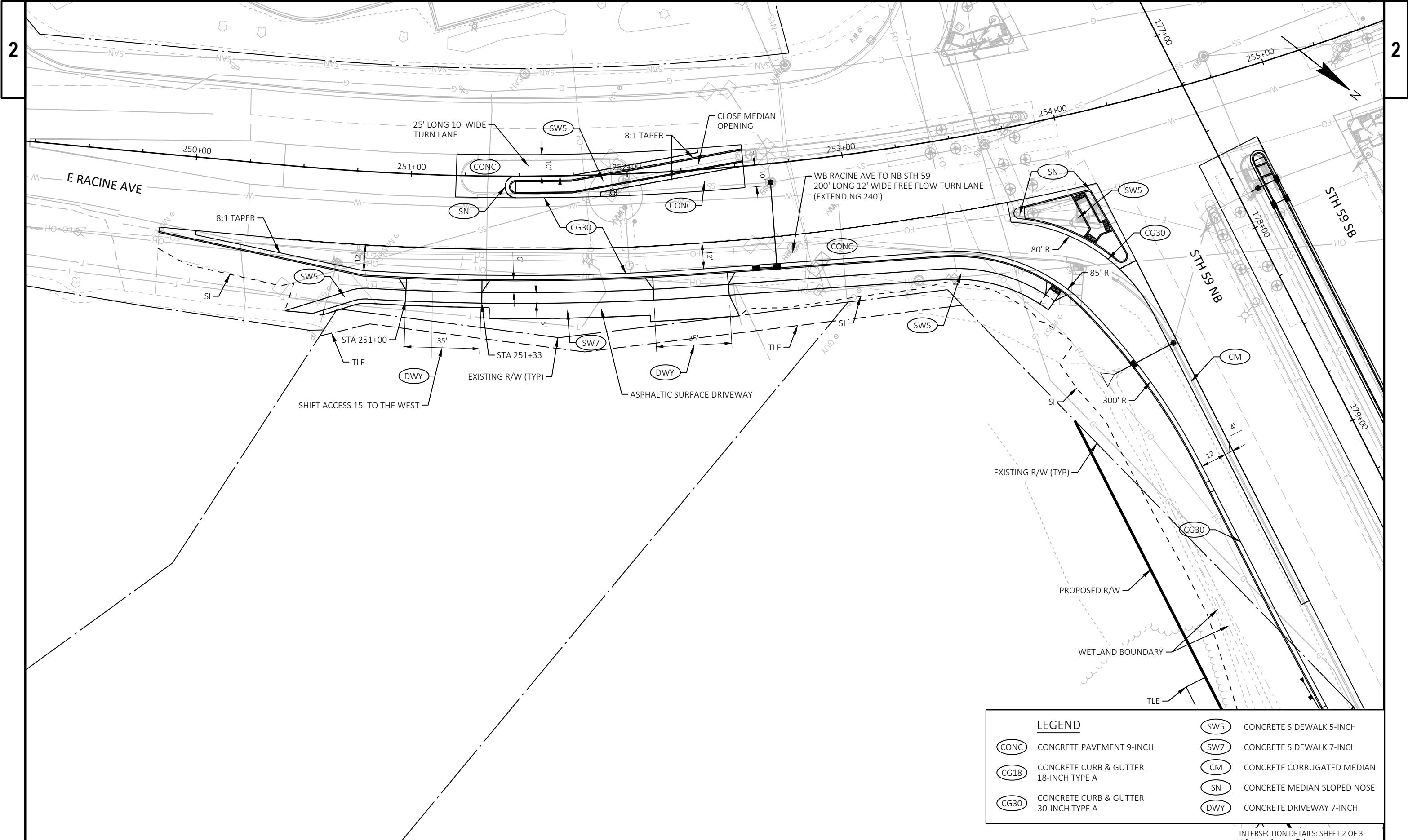


LEGEND

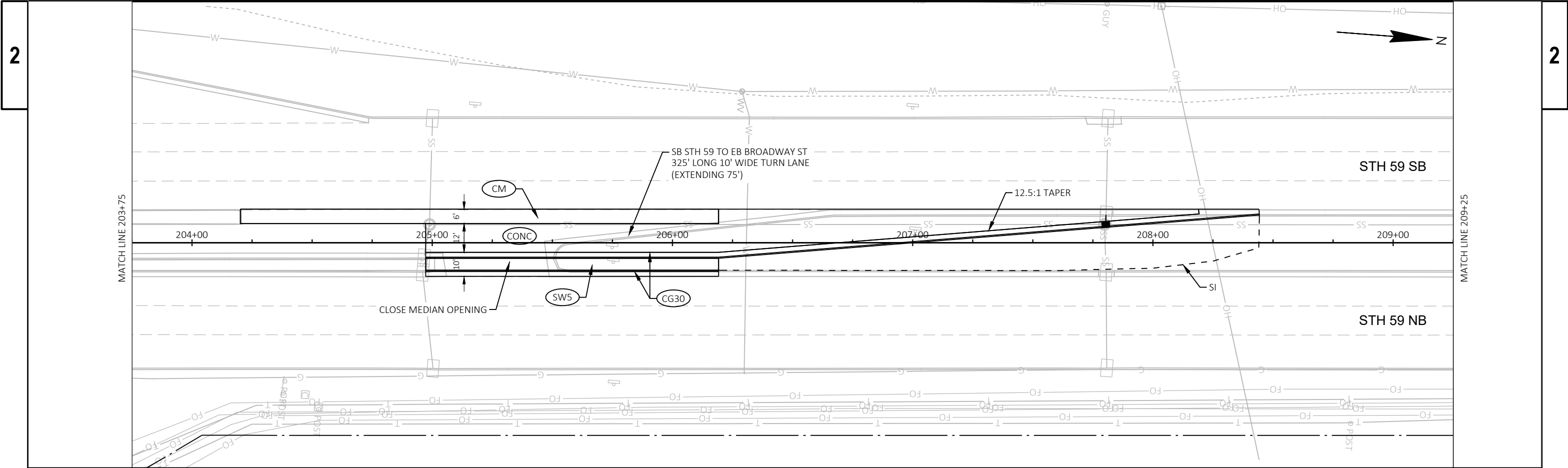
	REMOVING PAVEMENT		REMOVING CONCRETE SIDEWALK
	REMOVING ASPHALTIC SURFACE		SAWING ASPHALT/CONCRETE
	REMOVING CURB & GUTTER		CLEARING & GRUBBING

REMOVAL PLAN: SHEET 6 OF 6



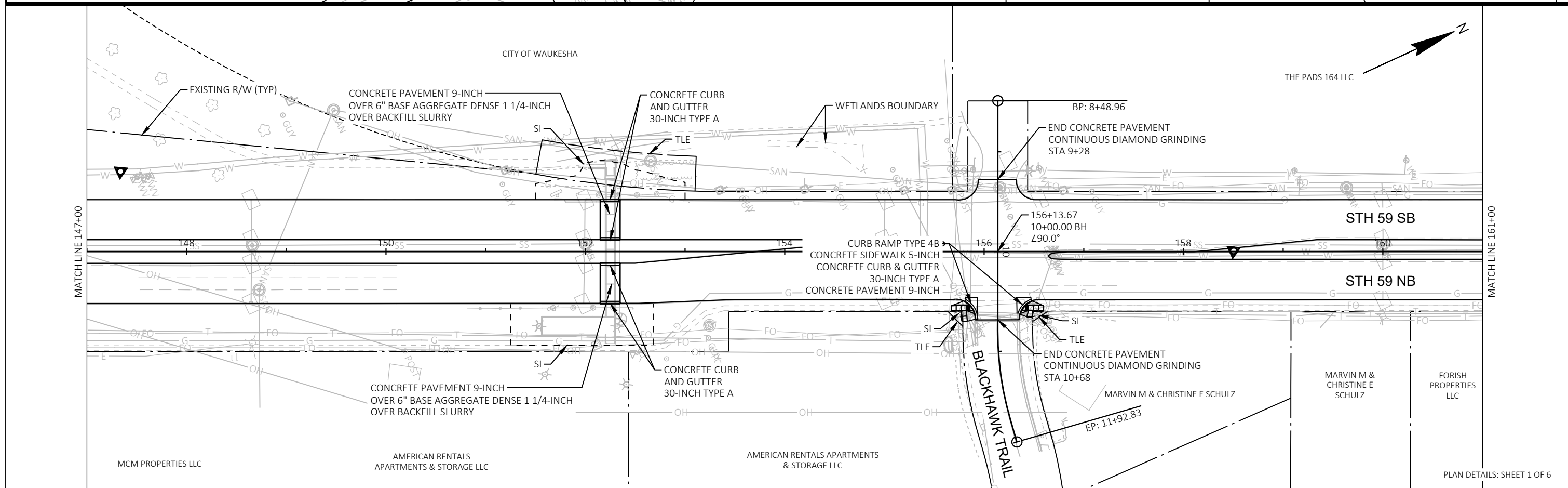


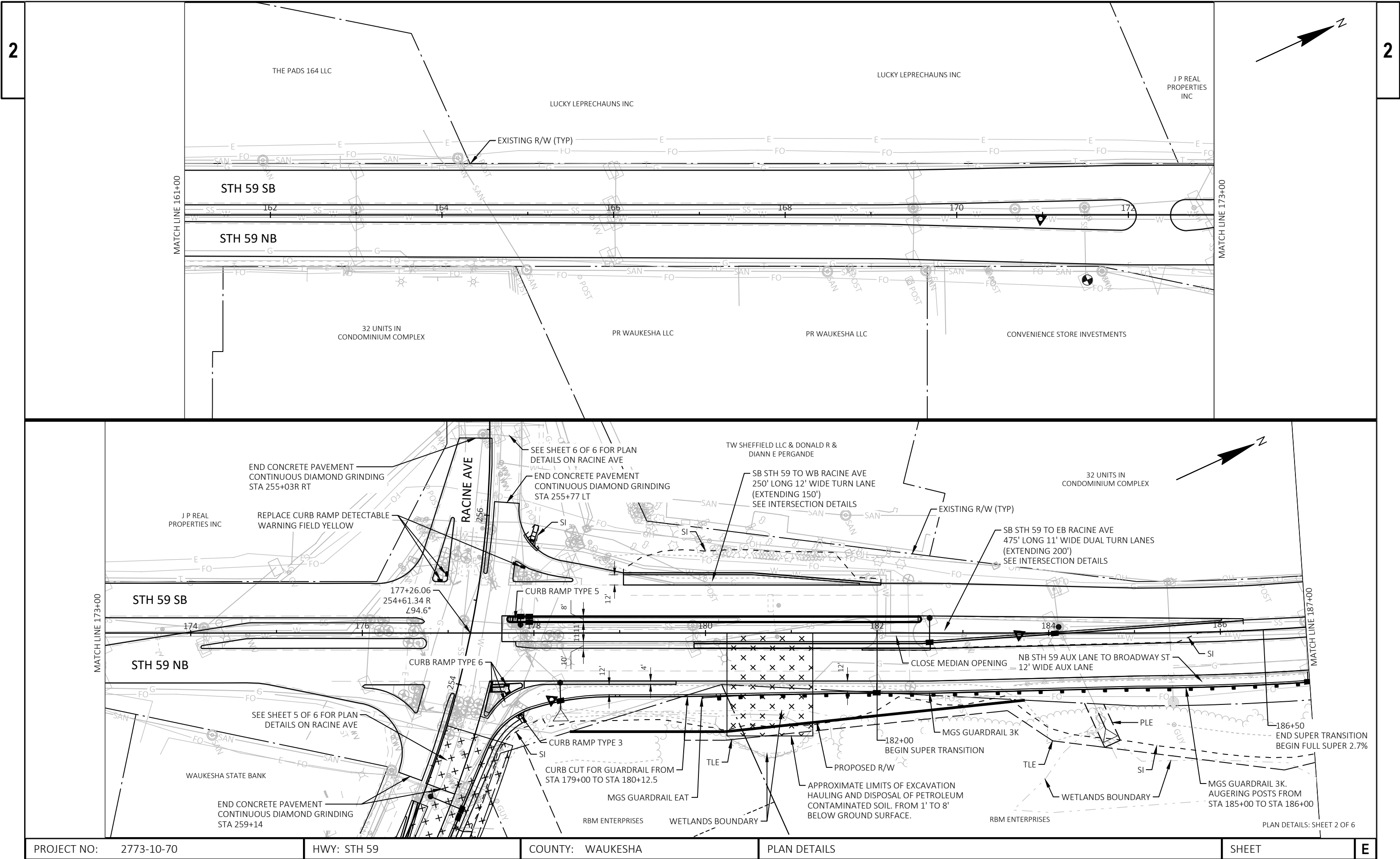
LEGEND	
(CONC)	CONCRETE PAVEMENT 9-INCH
(CG18)	CONCRETE CURB & GUTTER 18-INCH TYPE A
(CG30)	CONCRETE CURB & GUTTER 30-INCH TYPE A
(SW5)	CONCRETE SIDEWALK 5-INCH
(SW7)	CONCRETE SIDEWALK 7-INCH
(CM)	CONCRETE CORRUGATED MEDIAN
(SN)	CONCRETE MEDIAN SLOPED NOSE
(DWY)	CONCRETE DRIVEWAY 7-INCH

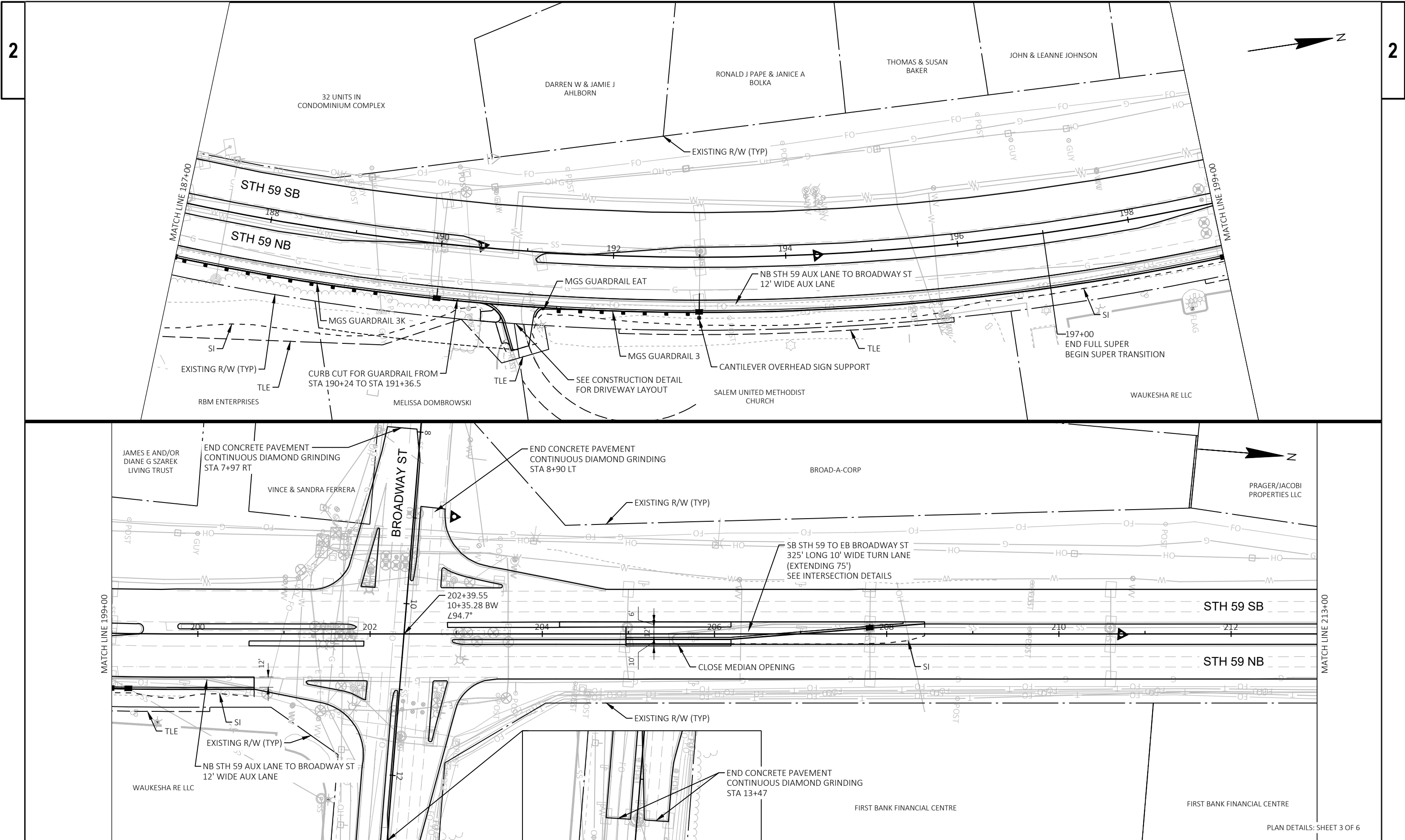


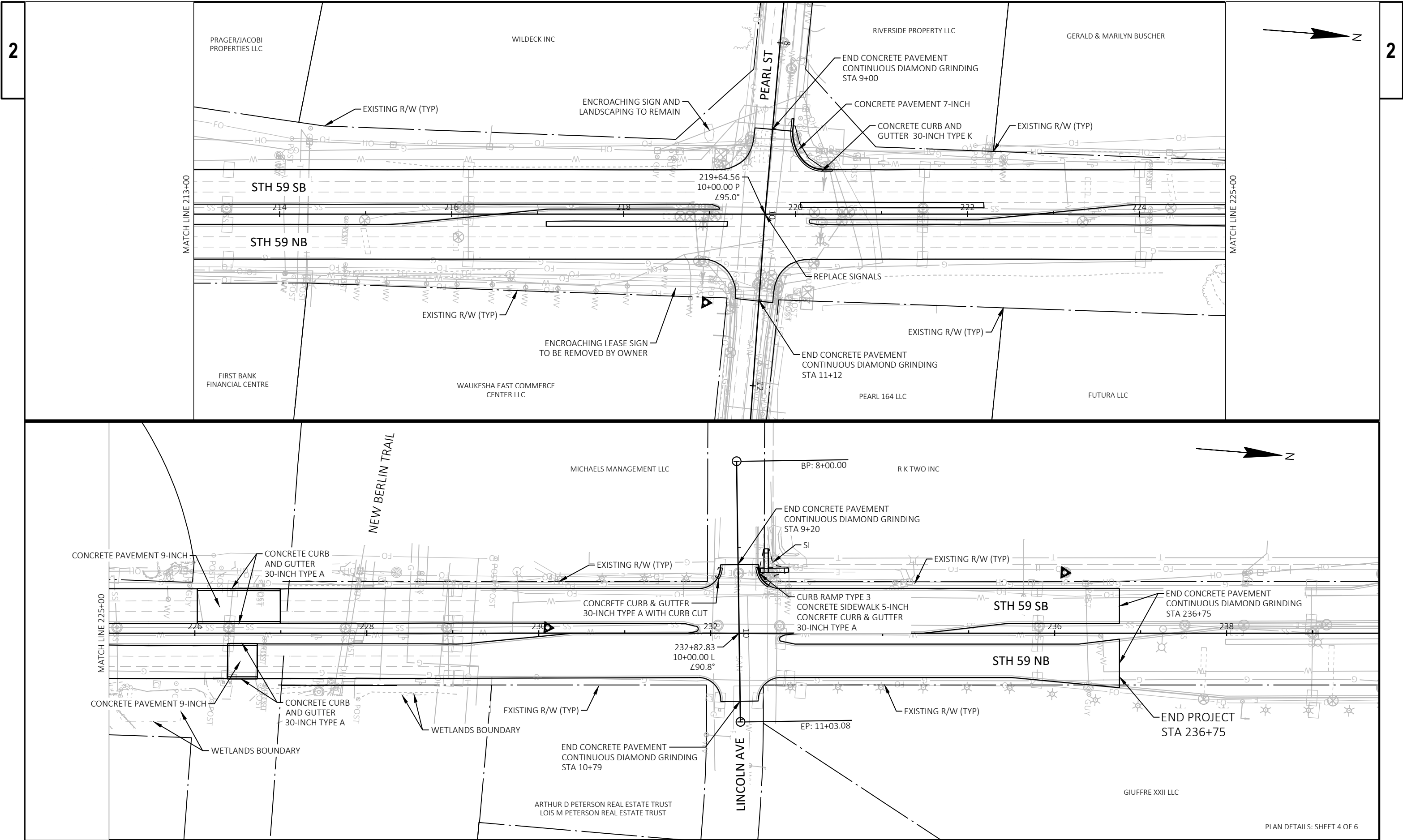
LEGEND			
(CONC)	CONCRETE PAVEMENT 9-INCH	(SW5)	CONCRETE SIDEWALK 5-INCH
(CG18)	CONCRETE CURB & GUTTER 18-INCH TYPE A	(SW7)	CONCRETE SIDEWALK 7-INCH
(CG30)	CONCRETE CURB & GUTTER 30-INCH TYPE A	(CM)	CONCRETE CORRUGATED MEDIAN
		(SN)	CONCRETE MEDIAN SLOPED NOSE
		(DWY)	CONCRETE DRIVEWAY 7-INCH

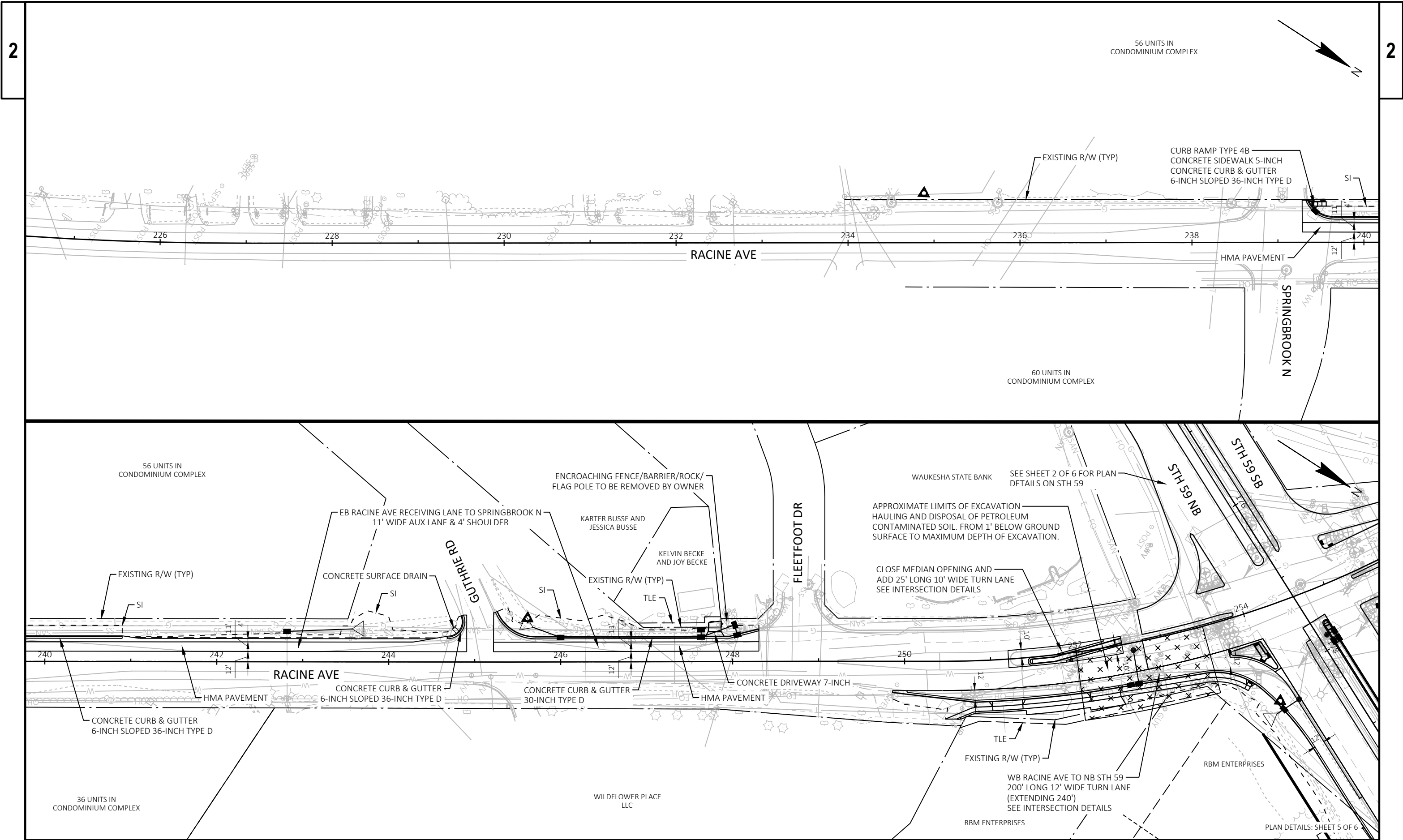
INTERSECTION DETAILS: SHEET 3 OF 3



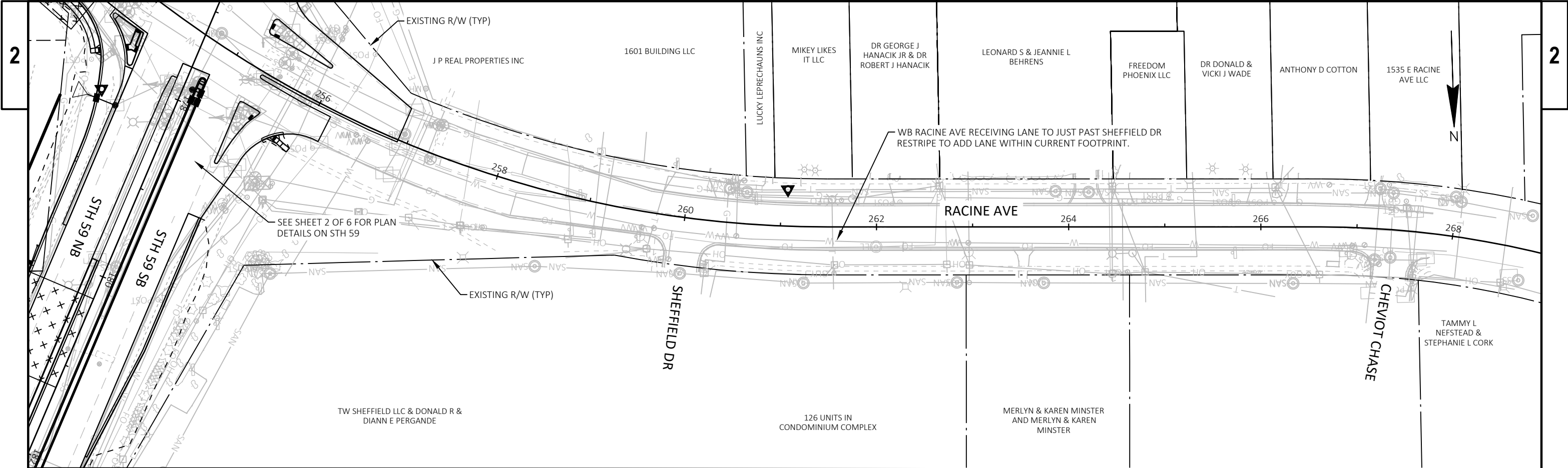






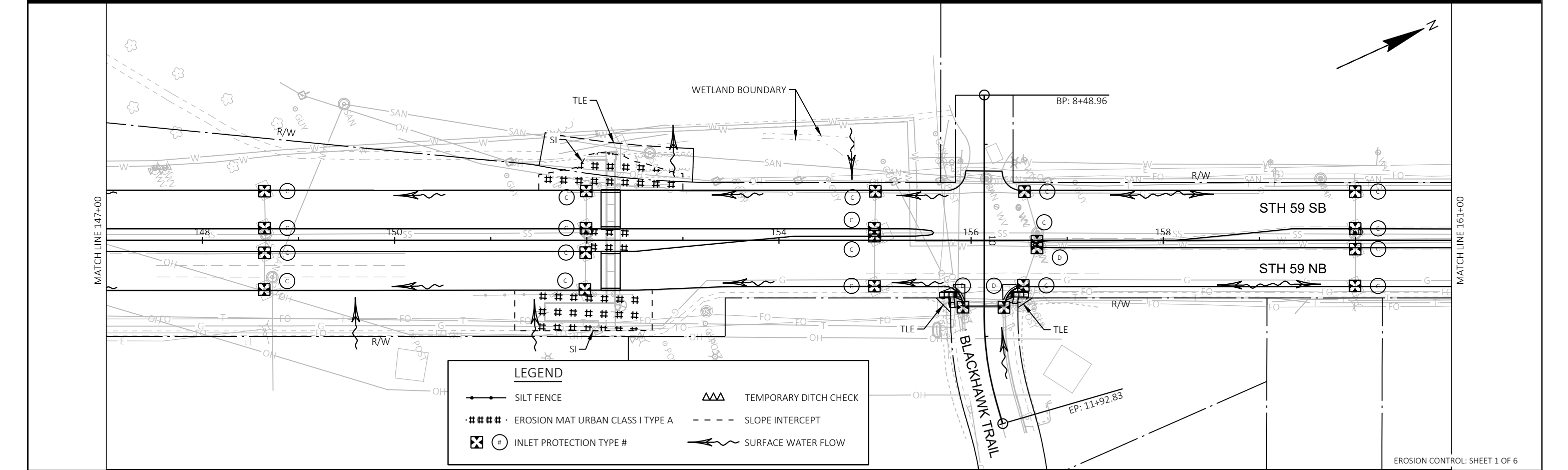
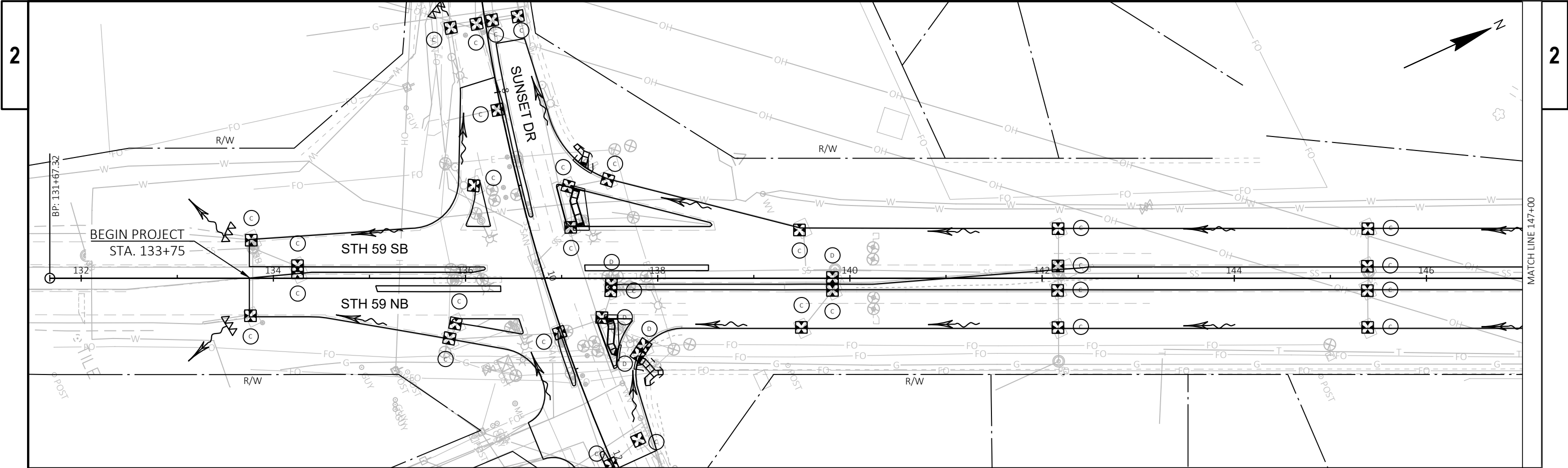


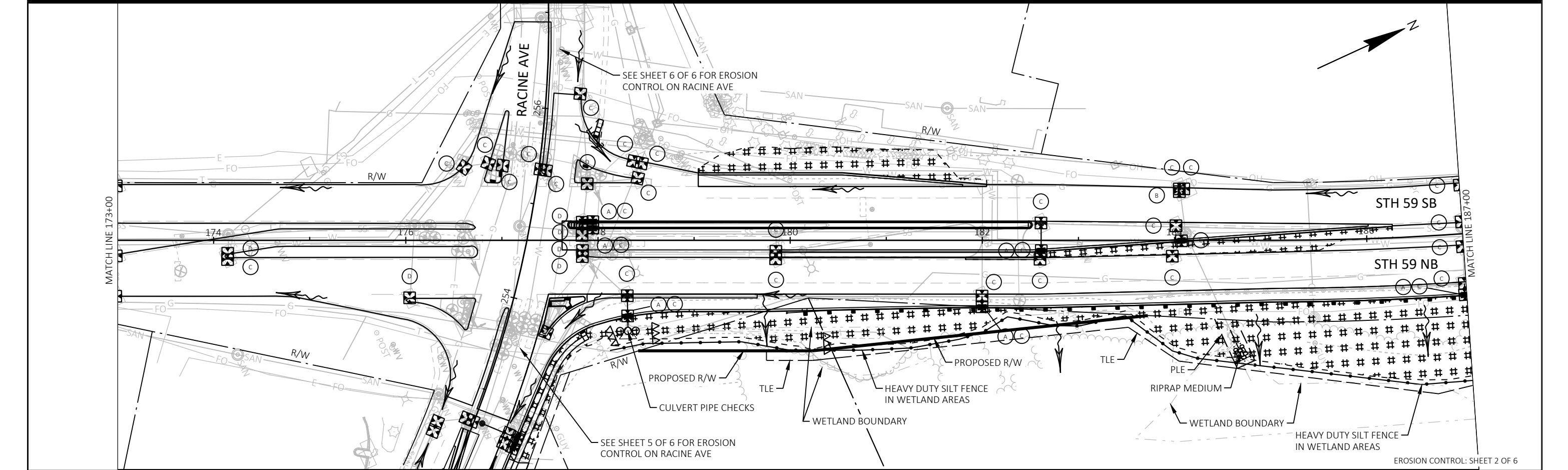
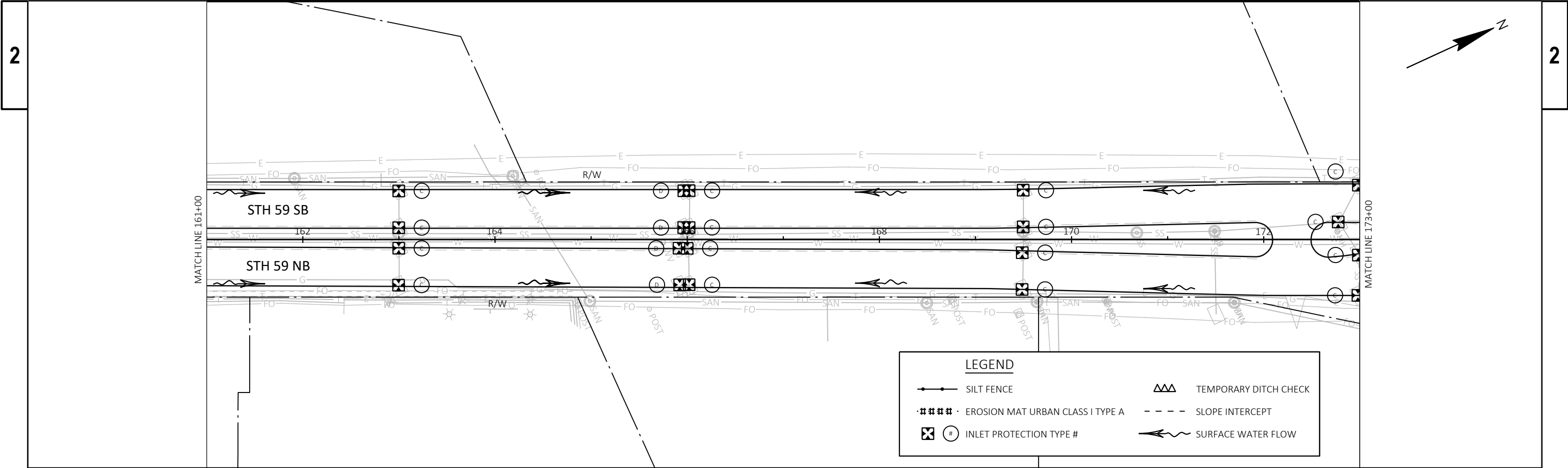
PROJECT NO: 2773-10-70	HWY: STH 59	COUNTY: WAUKESHA	PLAN DETAILS	SHEET	E
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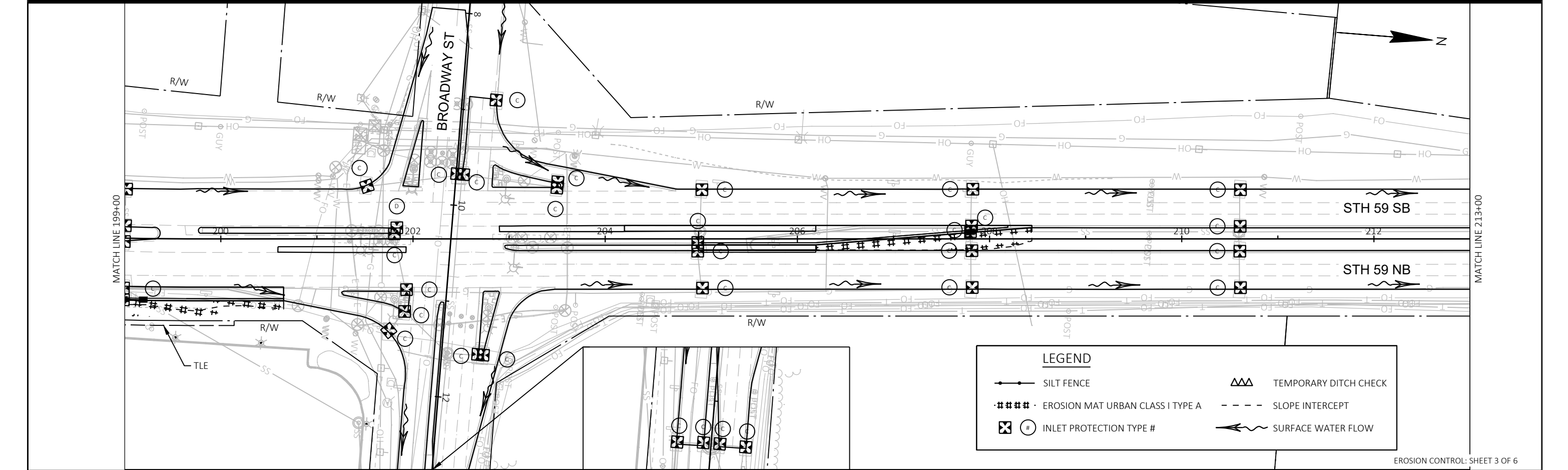
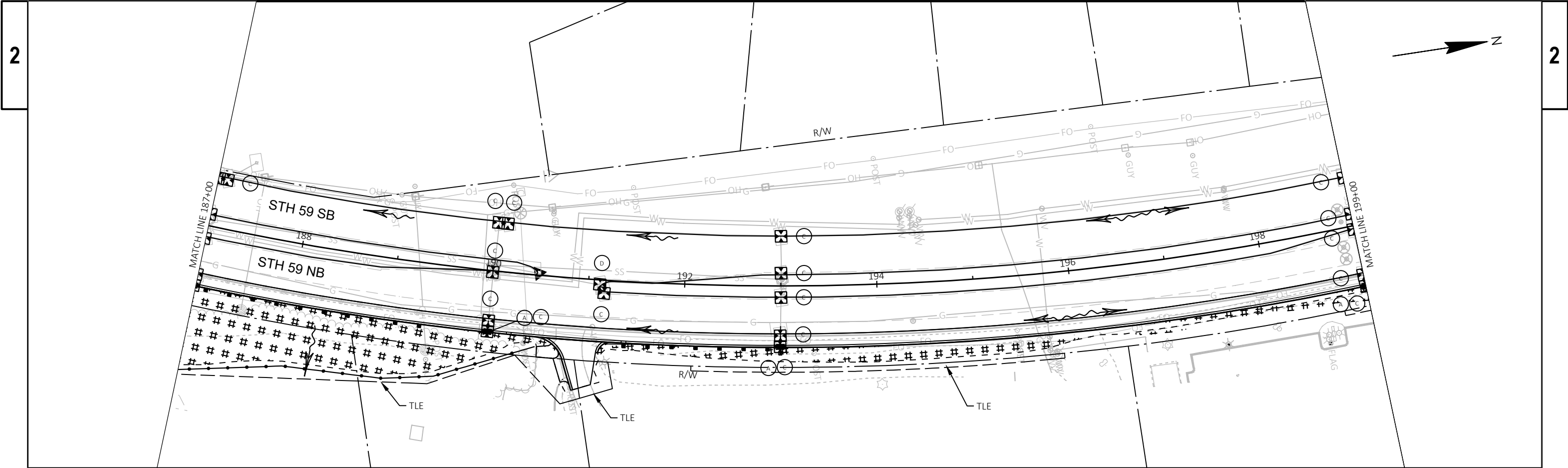


PLAN DETAILS: SHEET 6 OF 6

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 #

ΔΔΔ

TEMPORARY DITCH CHECK

SLOPE INTERCEPT

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SURFACE WATER FLOW

PROJECT NO: 2773-10-70

HWY: STH 59

COUNTY: WAUKESHA

EROSION CONTROL

SHEET

E

FILE NAME : \\WKERTOV\FILP\I01\N3PUBLIC\PD5\C3D\27731001\SHETSPLAN\022001-EC.DWG

LAYOUT NAME - 022003-ec

PLOT DATE : 7/28/2021 2:00 PM

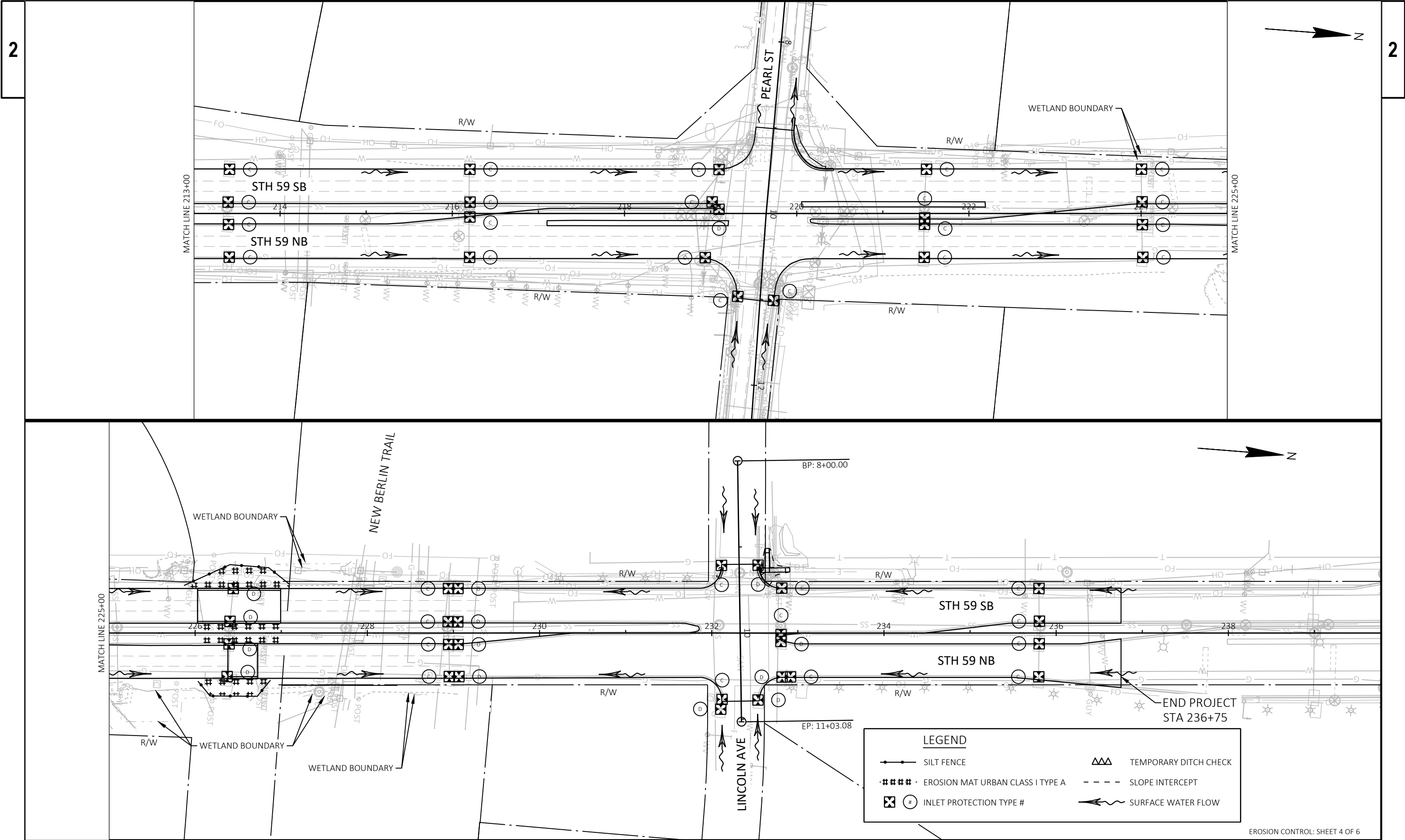
PLOT BY : MATHENY, ROBERT B

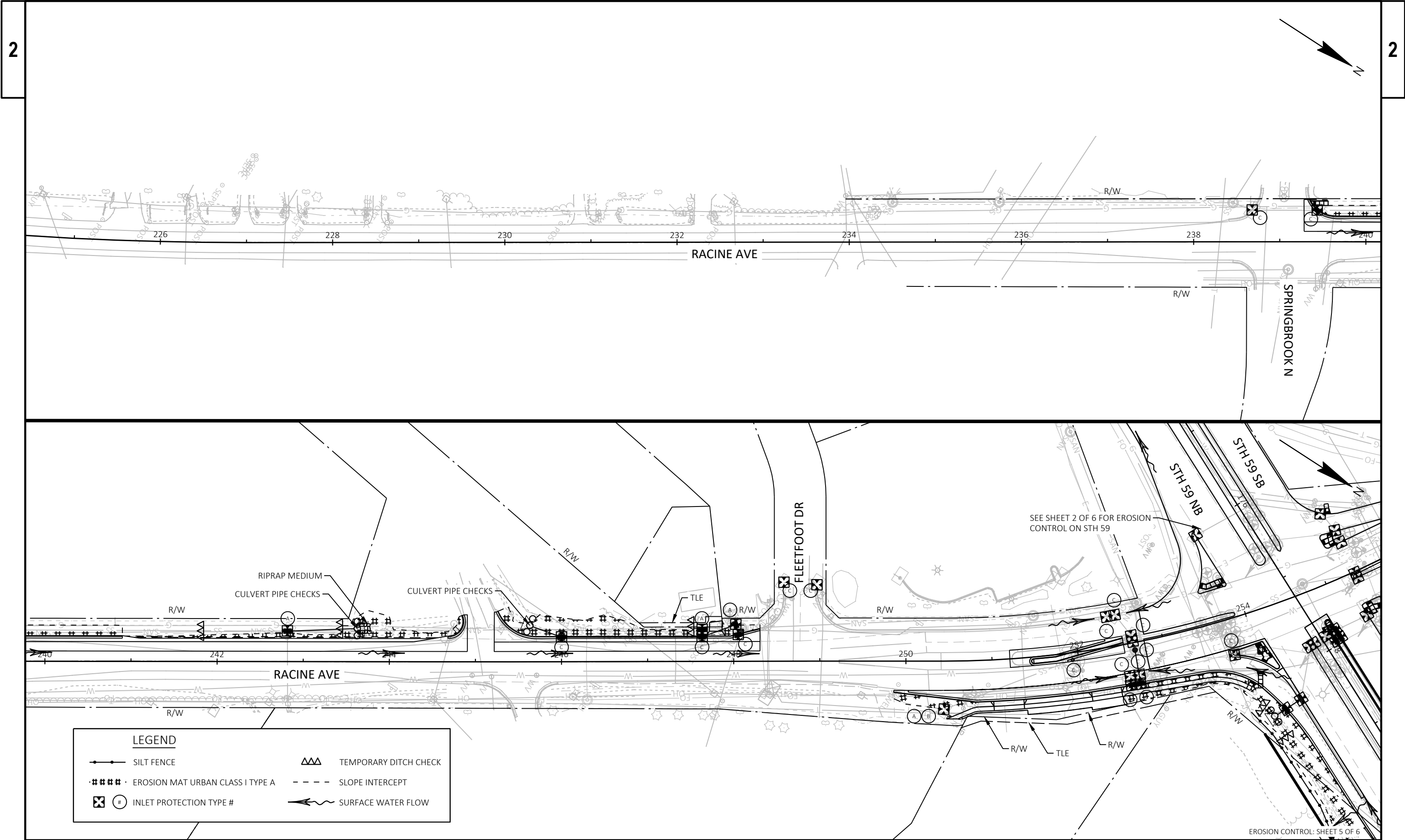
PLOT NAME :

PLOT SCALE : #####

EROSION CONTROL: SHEET 3 OF 6

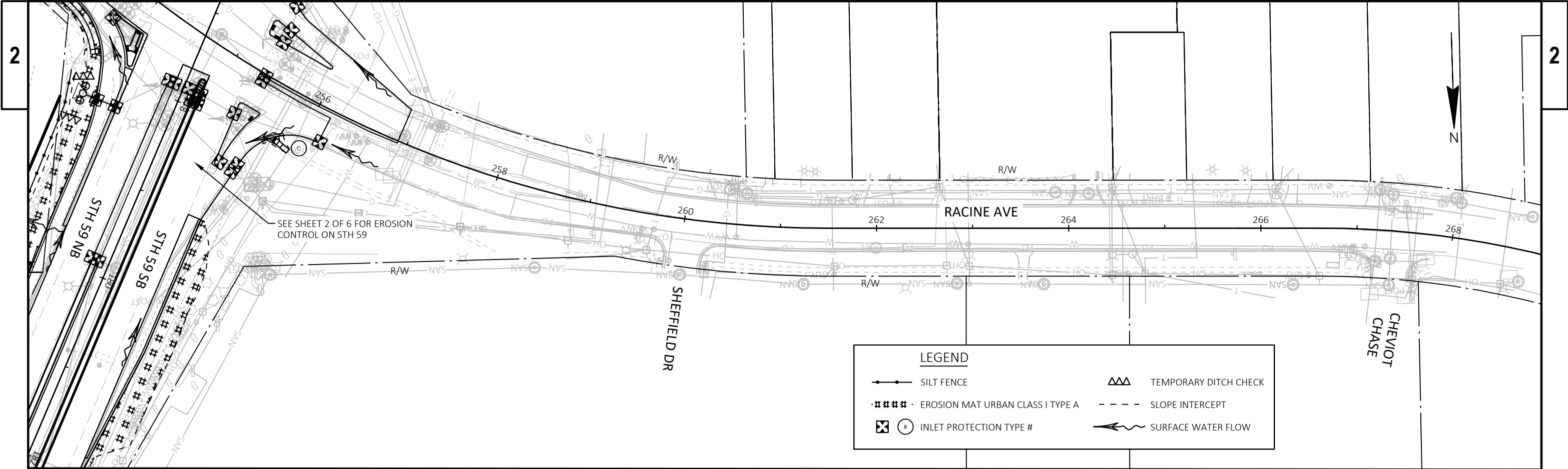
WISDOT/CADD5 SHEET 42





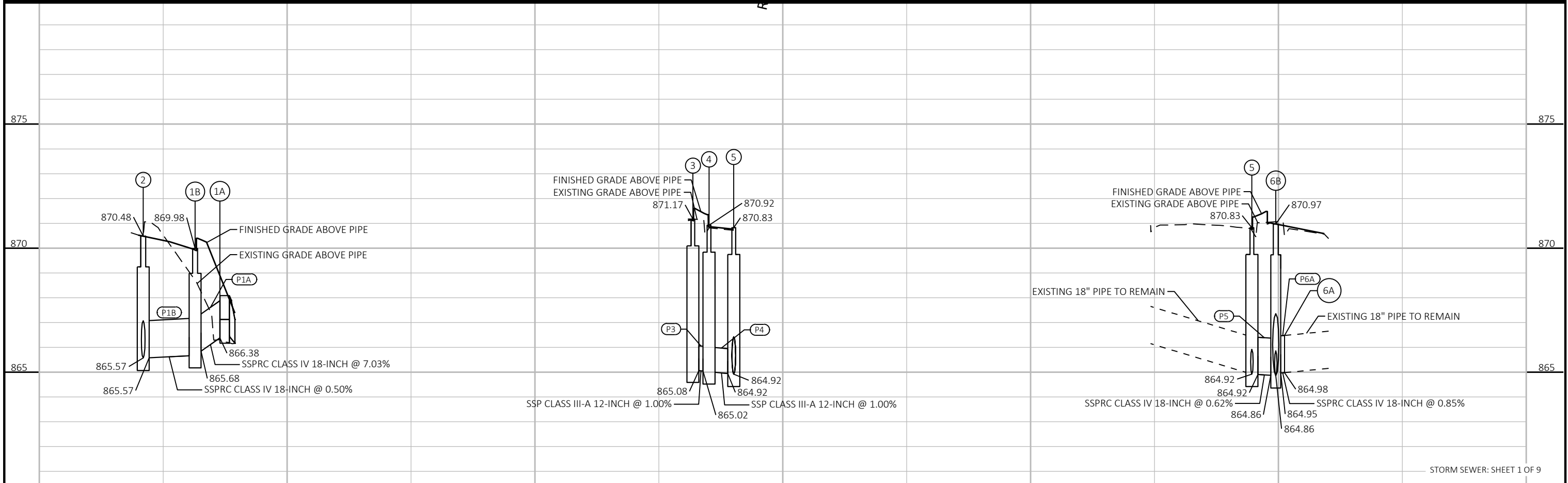
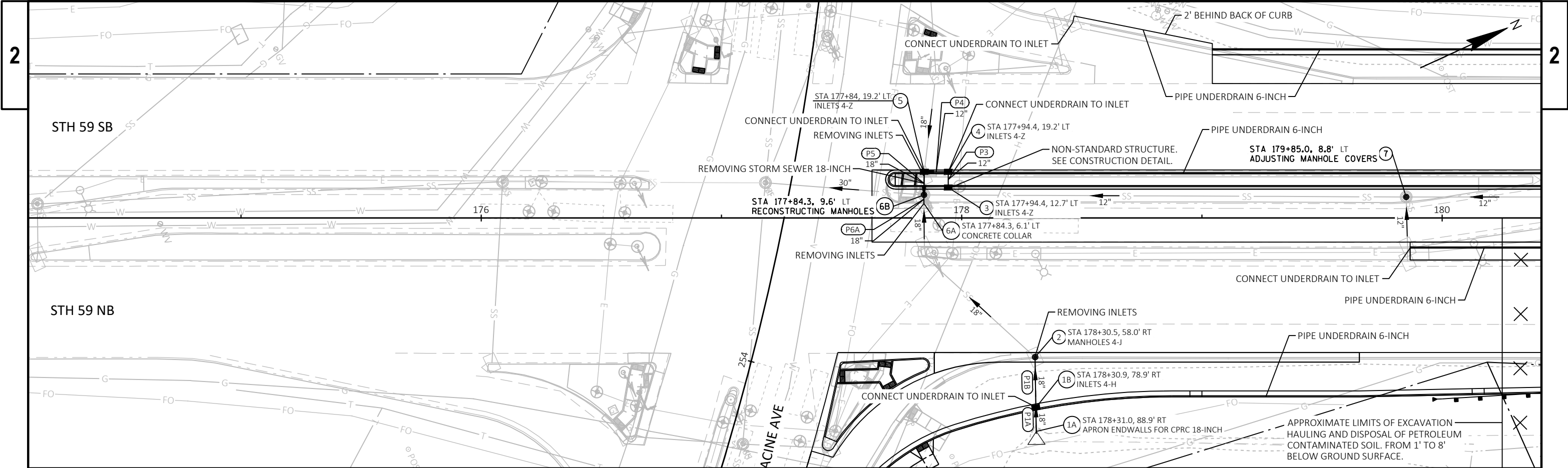
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|------------------------|-------------|------------------|-----------------|-------|---|
| PROJECT NO: 2773-10-70 | HWY: STH 59 | COUNTY: WAUKESHA | EROSION CONTROL | SHEET | E |
|------------------------|-------------|------------------|-----------------|-------|---|



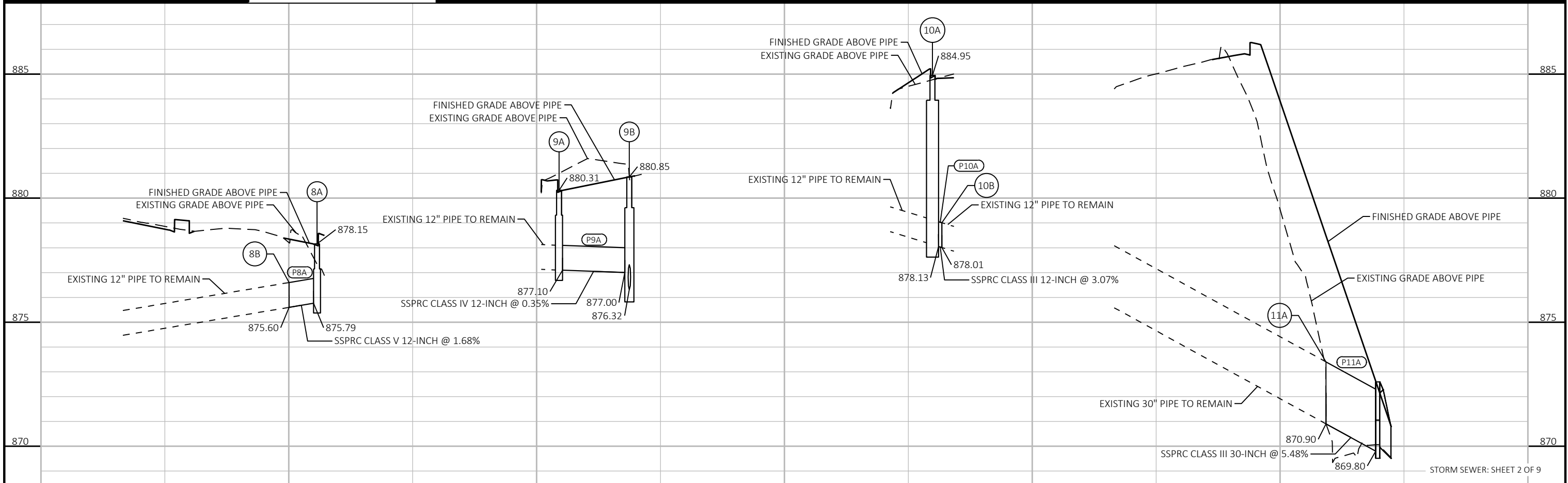
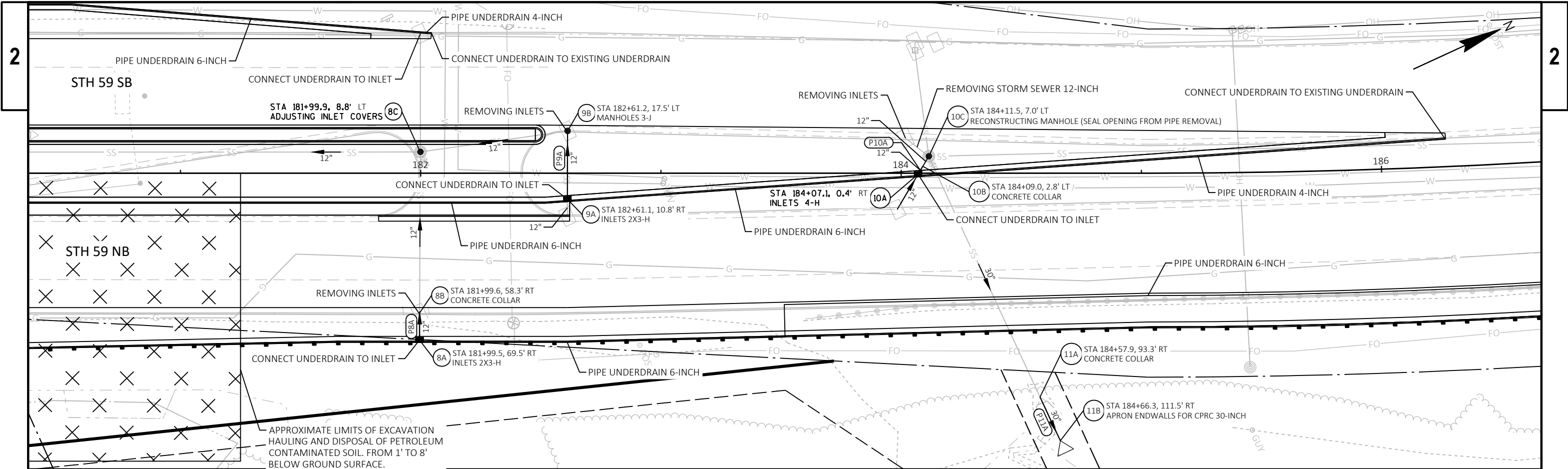


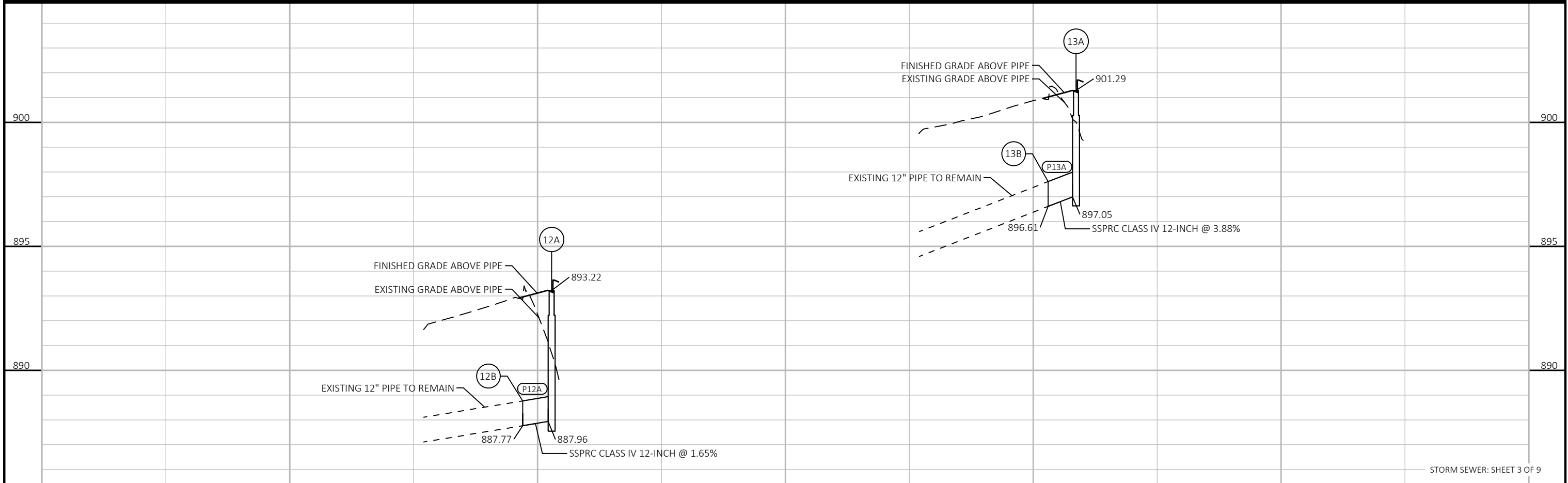
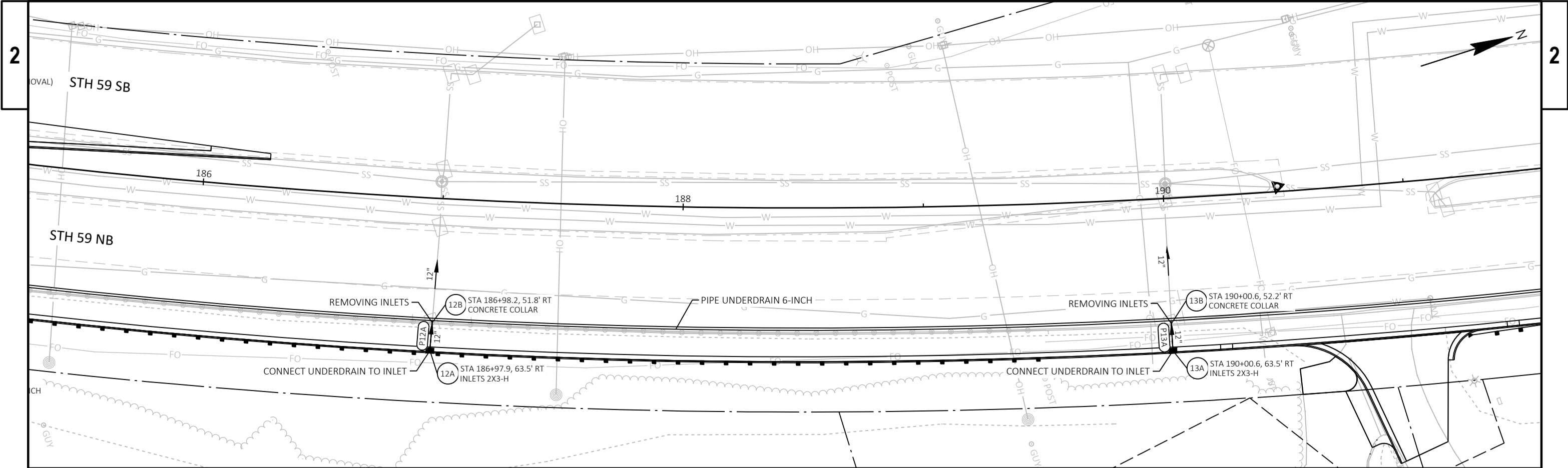
EROSION CONTROL: SHEET 6 OF 6

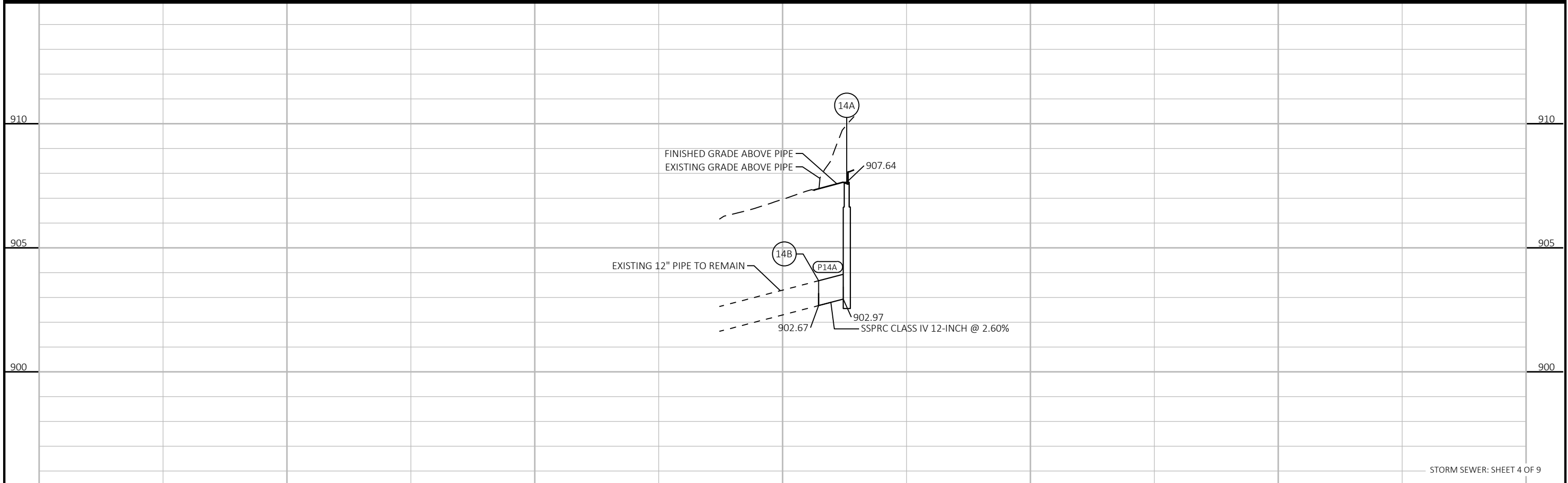
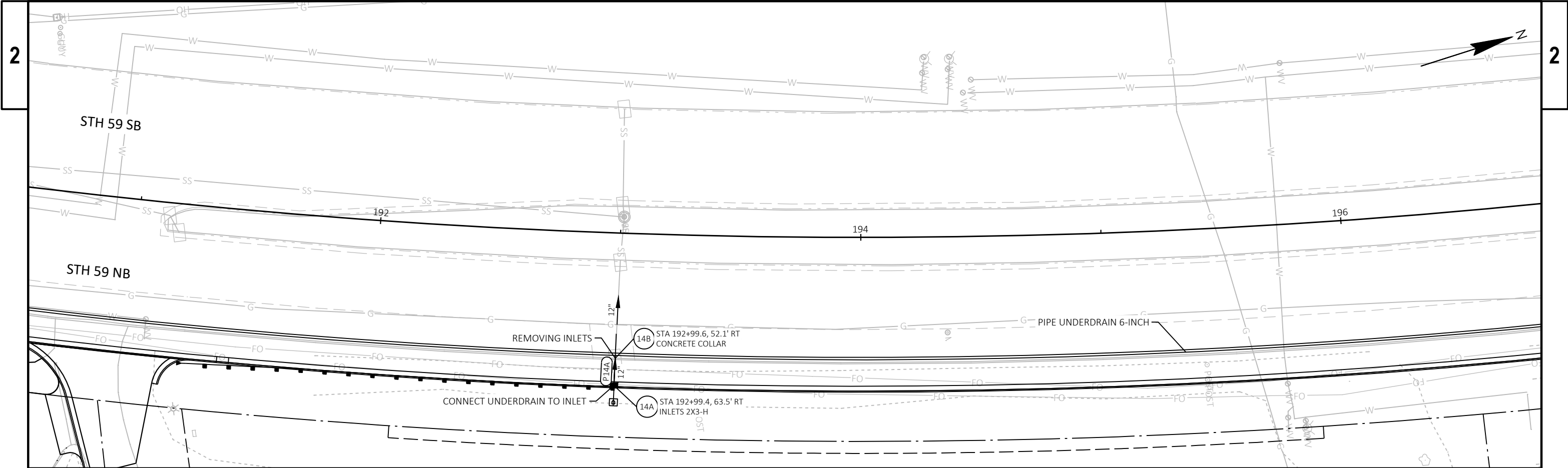
|                        |             |                  |                 |       |   |
|------------------------|-------------|------------------|-----------------|-------|---|
| PROJECT NO: 2773-10-70 | HWY: STH 59 | COUNTY: WAUKESHA | EROSION CONTROL | SHEET | E |
|------------------------|-------------|------------------|-----------------|-------|---|

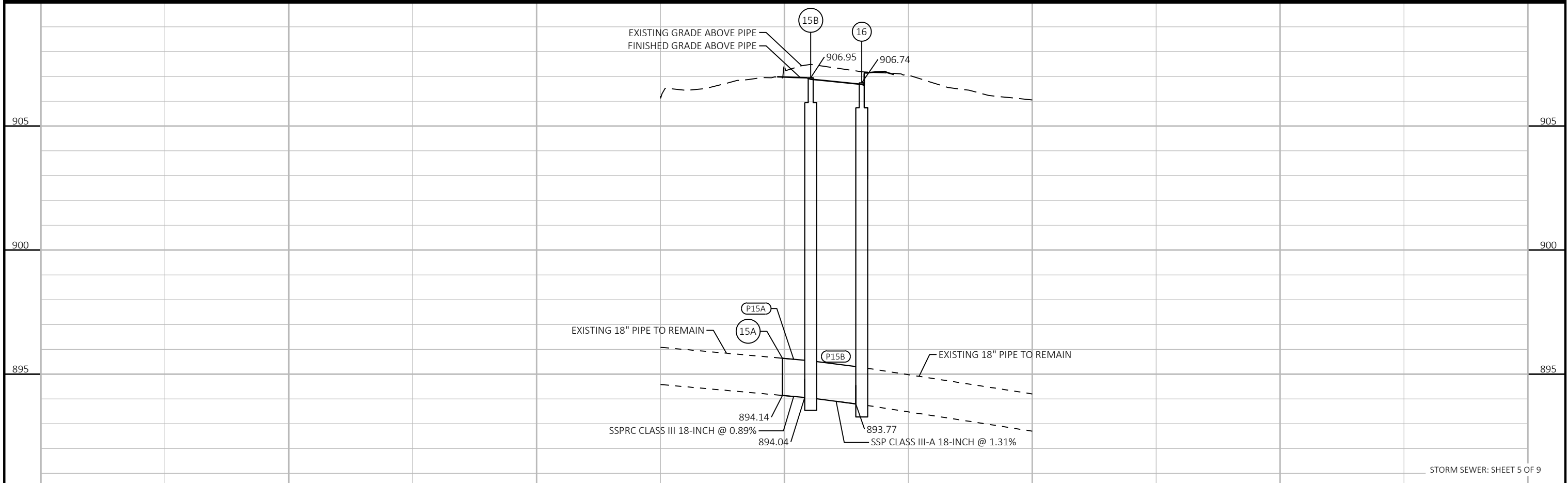
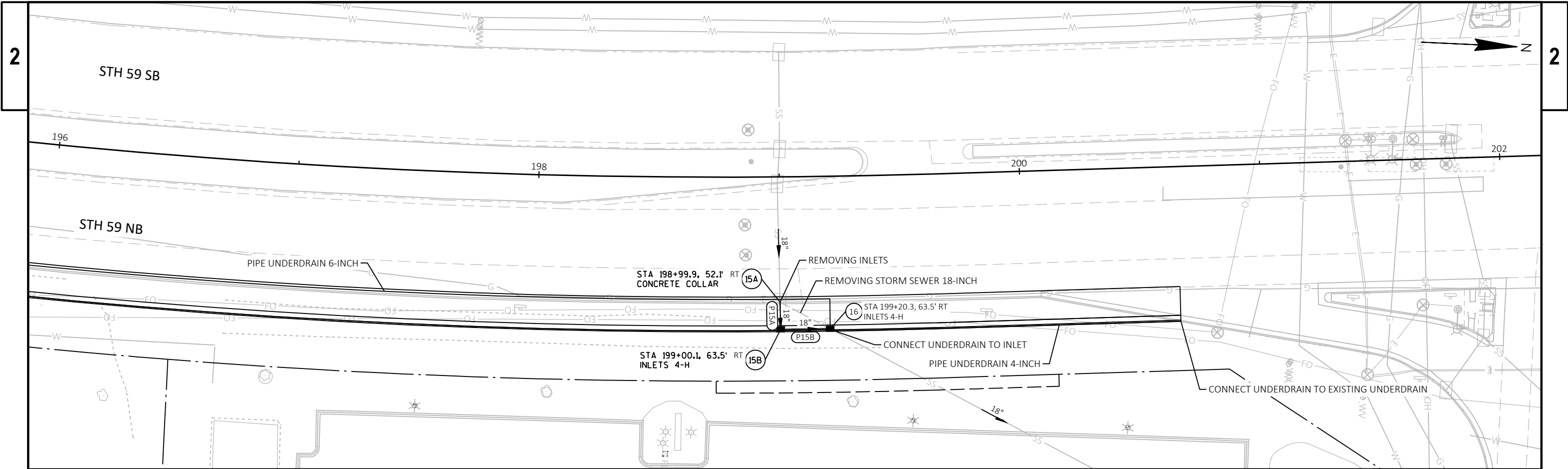


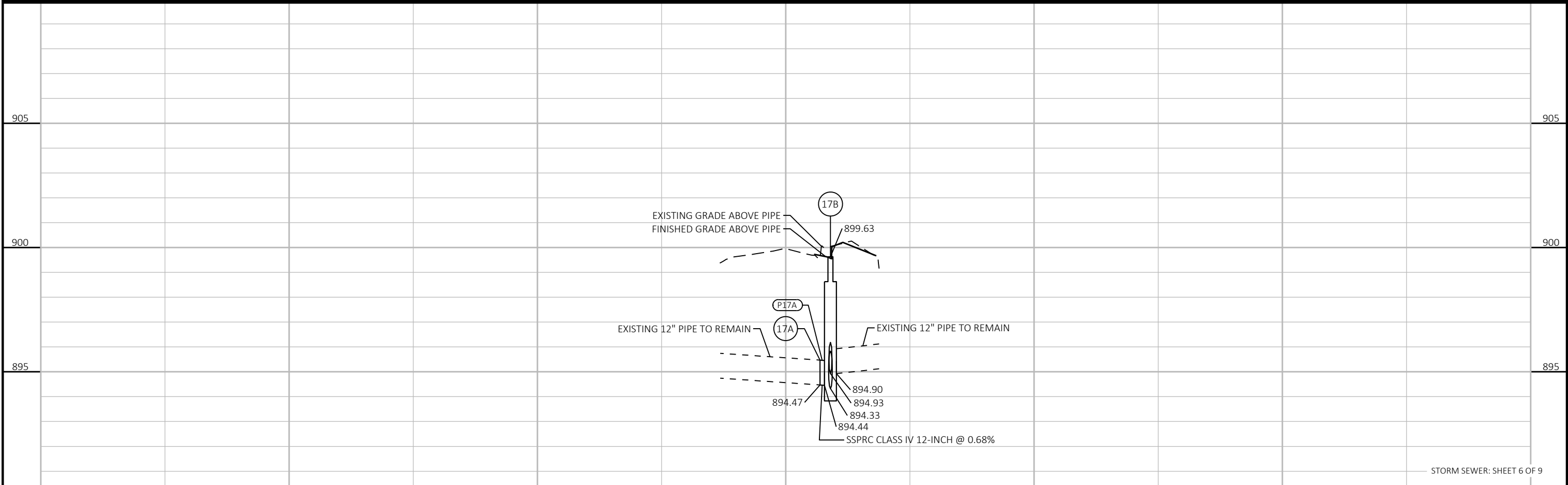
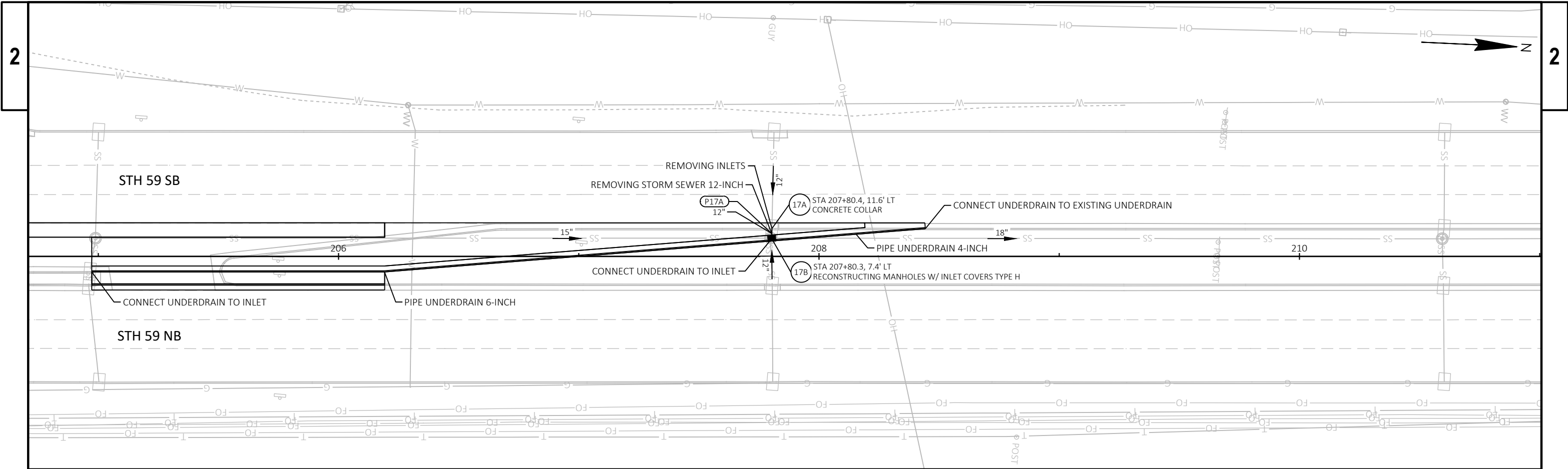


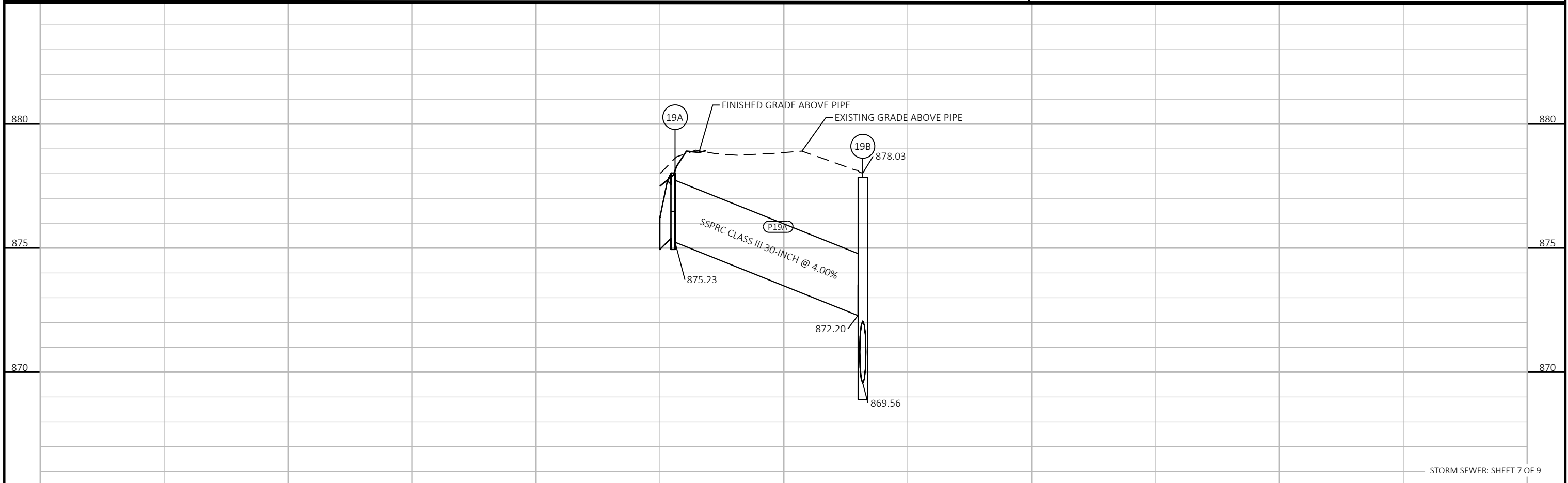
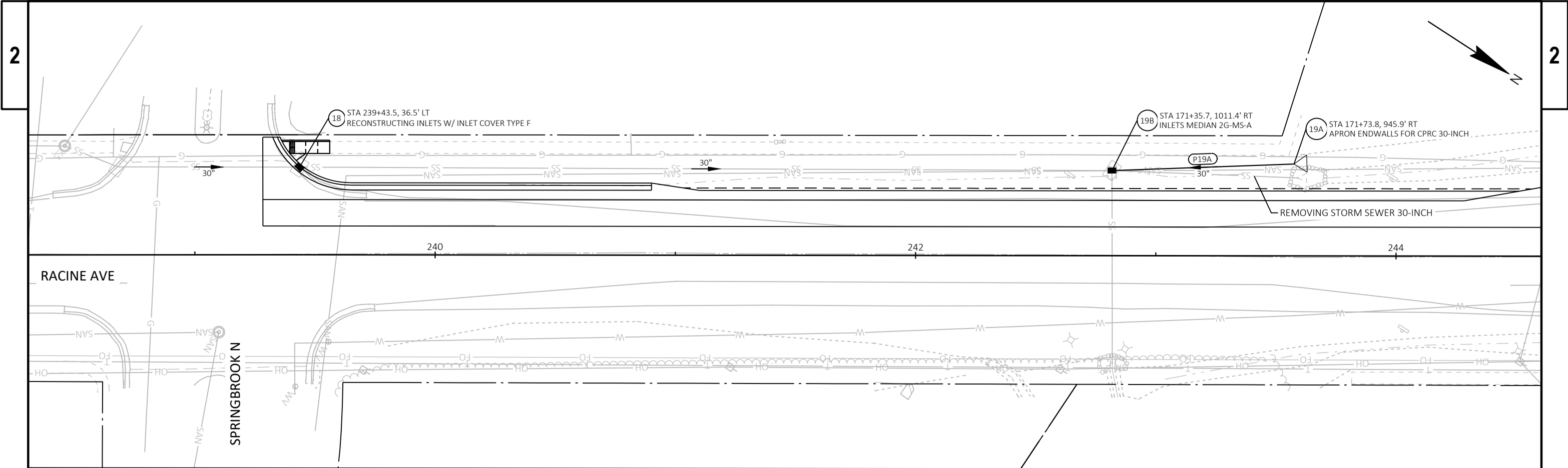








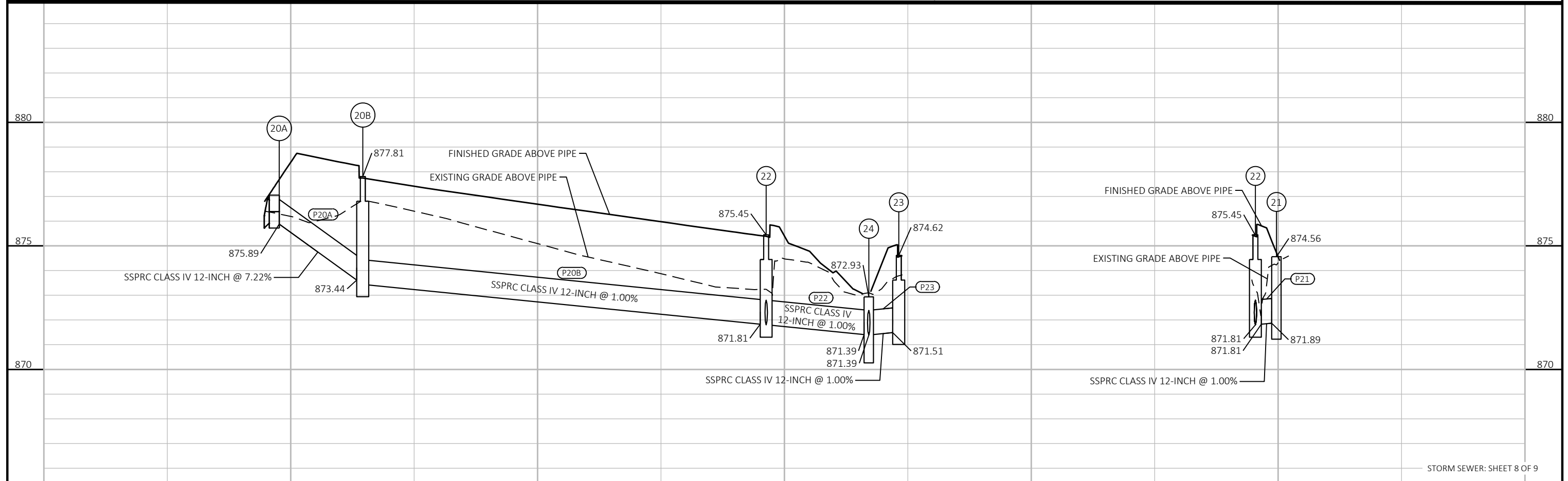
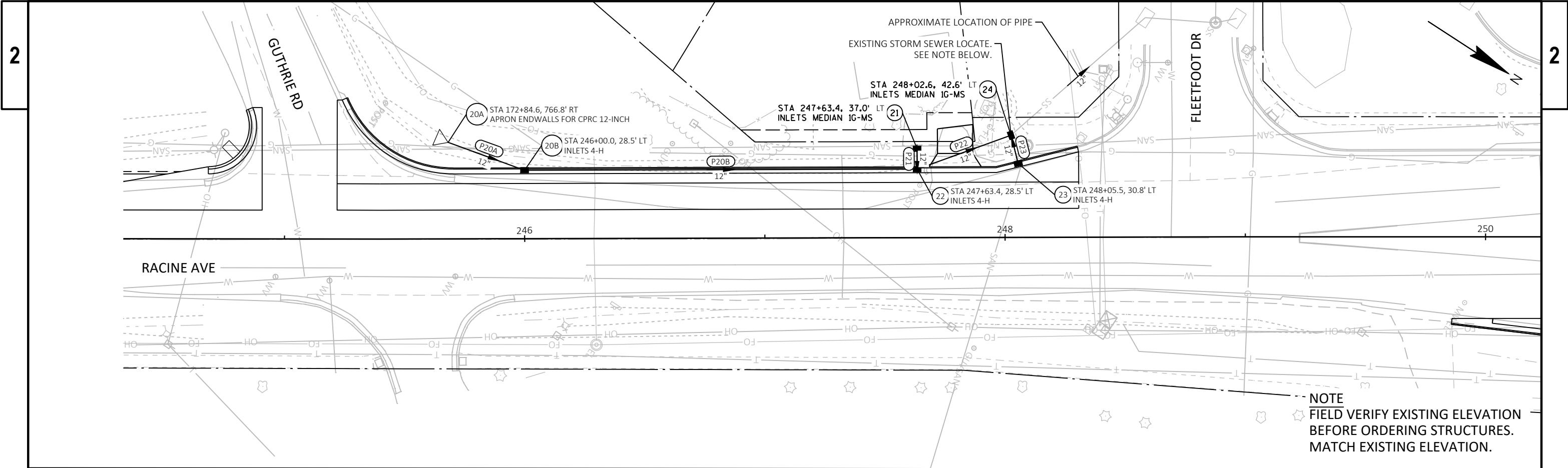




STORM SEWER: SHEET 7 OF 9

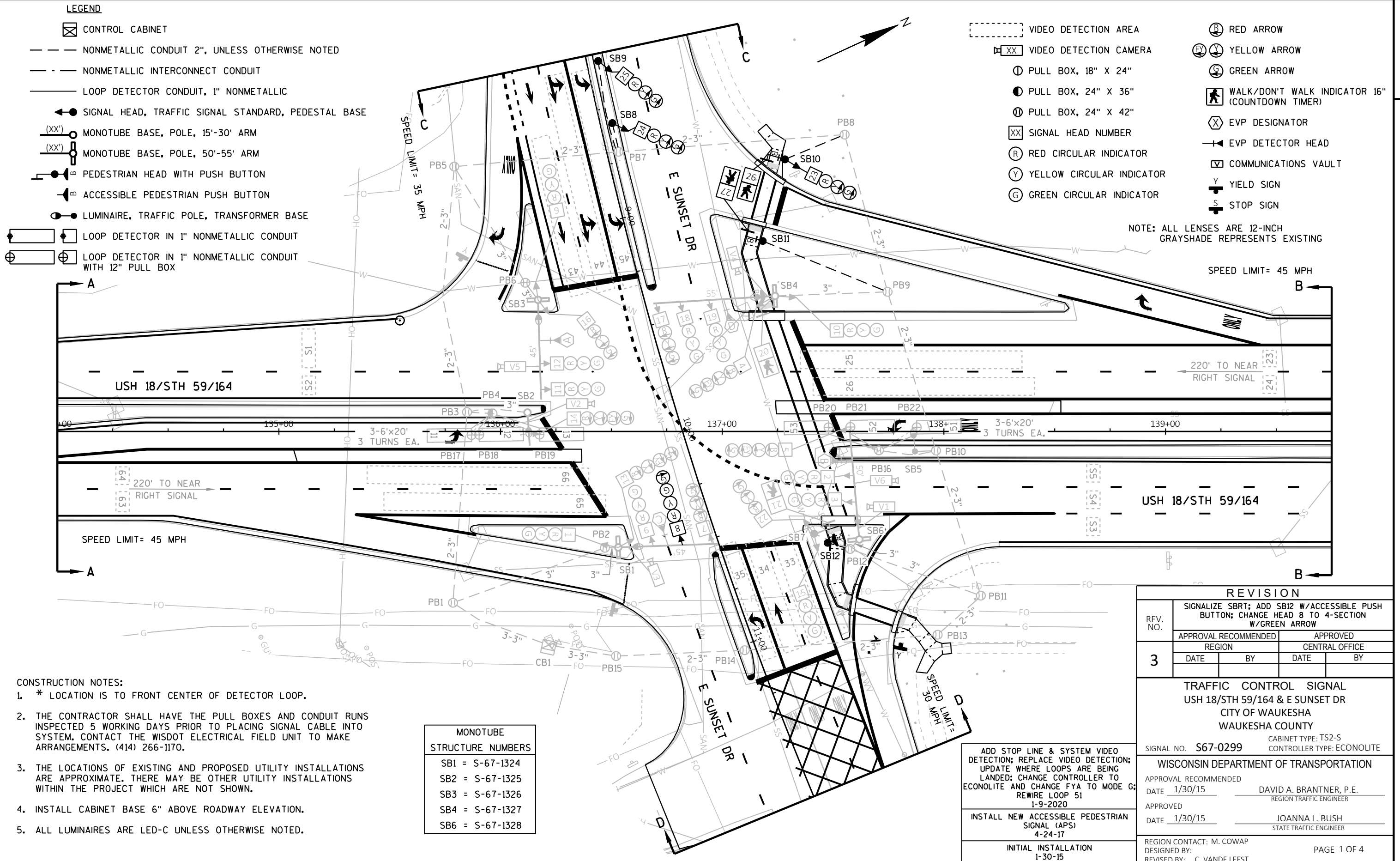
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|------------------------|-------------|------------------|-------------|-------|---|
| PROJECT NO: 2773-10-70 | HWY: STH 59 | COUNTY: WAUKESHA | STORM SEWER | SHEET | E |
|------------------------|-------------|------------------|-------------|-------|---|











PROJECT NO: 2773-10-70

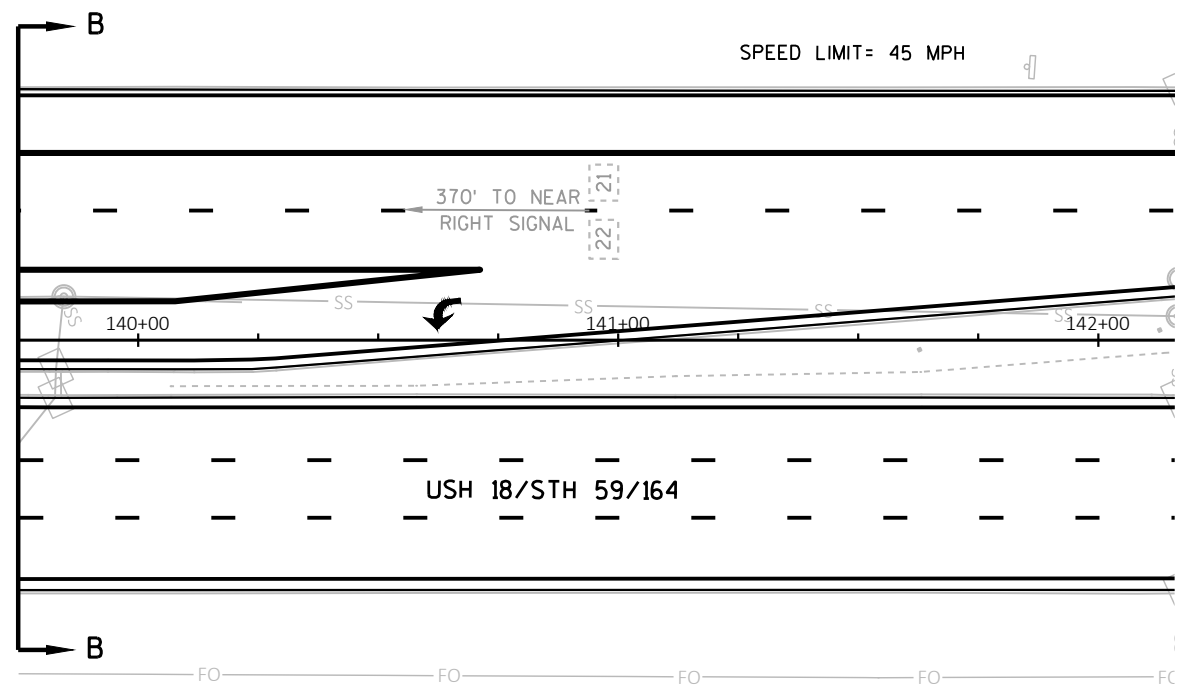
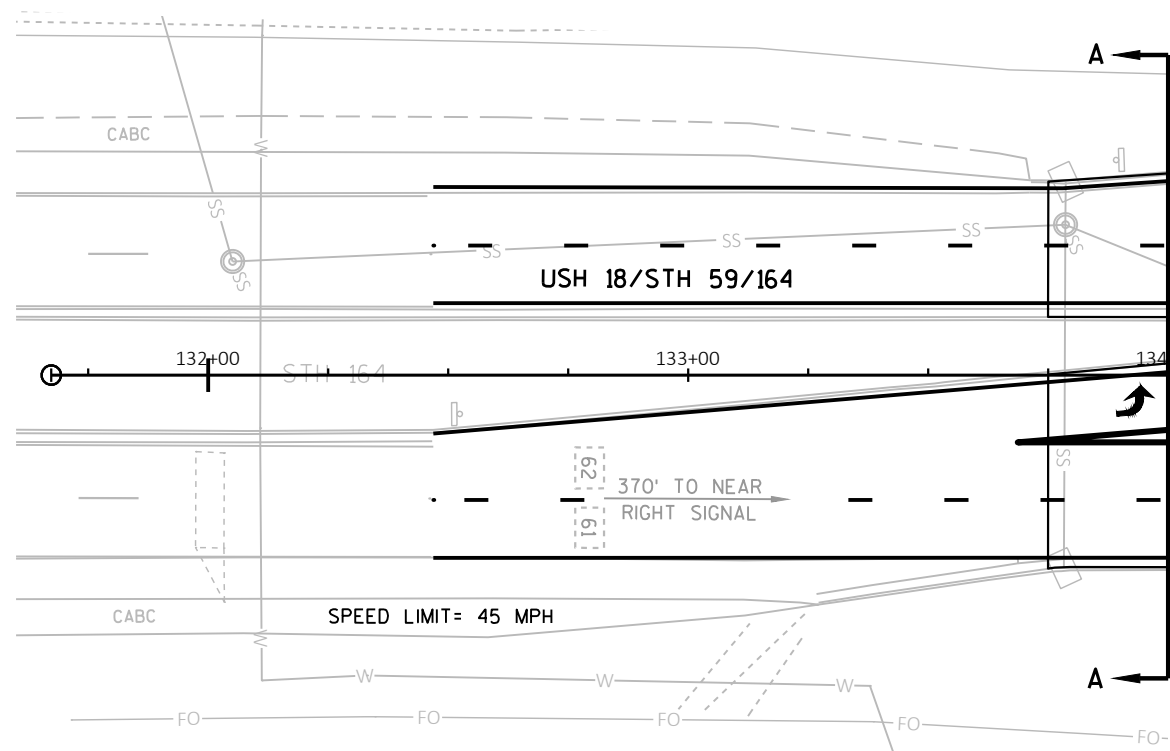
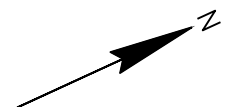
HWY: USH 18/STH 59/164

COUNTY: WAUKESHA

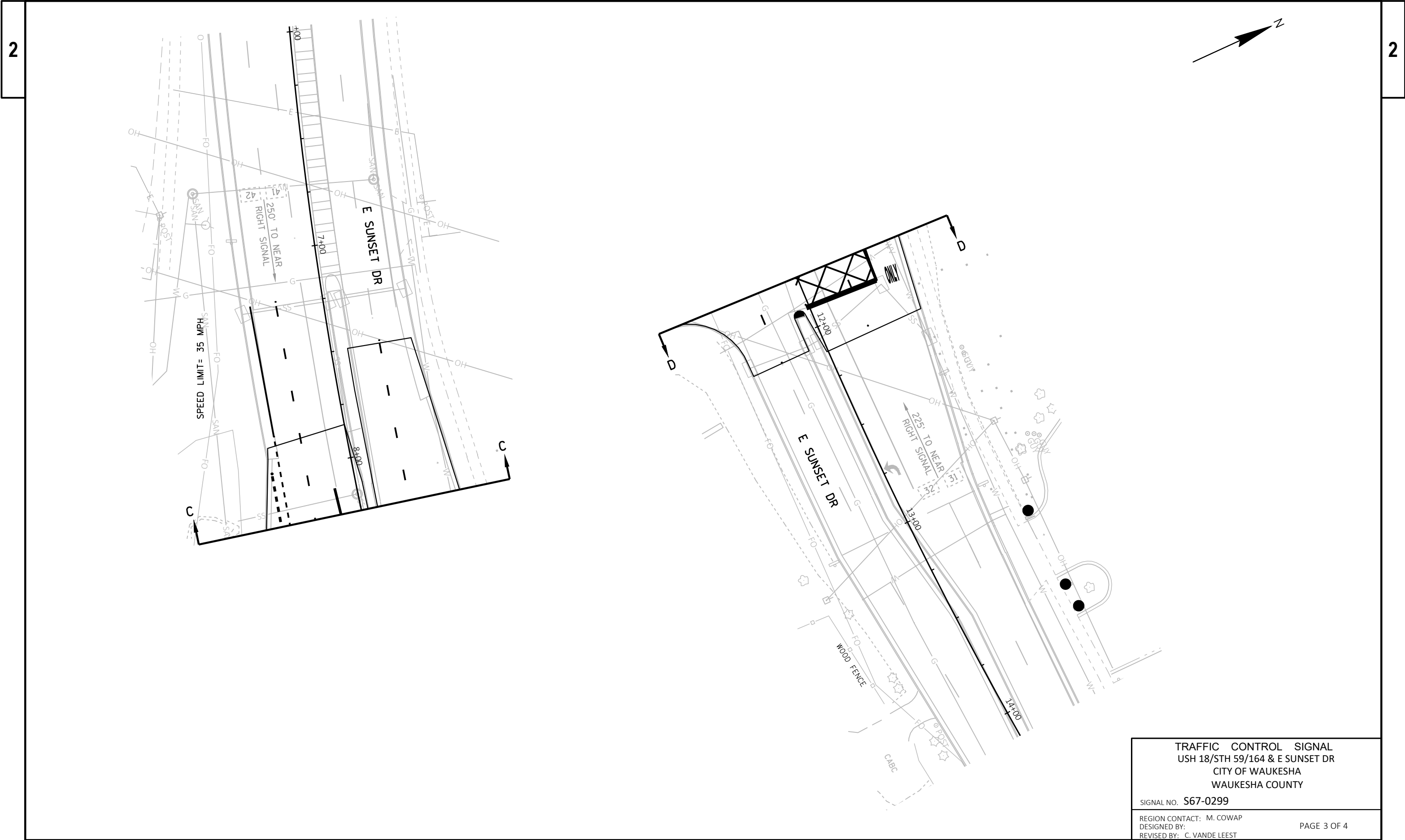
TRAFFIC SIGNAL PLAN

SHEET

E



|                                                                                                  |             |
|--------------------------------------------------------------------------------------------------|-------------|
| TRAFFIC CONTROL SIGNAL<br>USH 18/STH 59/164 & E SUNSET DR<br>CITY OF WAUKESHA<br>WAUKESHA COUNTY |             |
| SIGNAL NO. S67-0299                                                                              |             |
| REGION CONTACT: M. COWAP<br>DESIGNED BY:<br>REVISED BY: C. VANDE LEEST                           | PAGE 2 OF 4 |

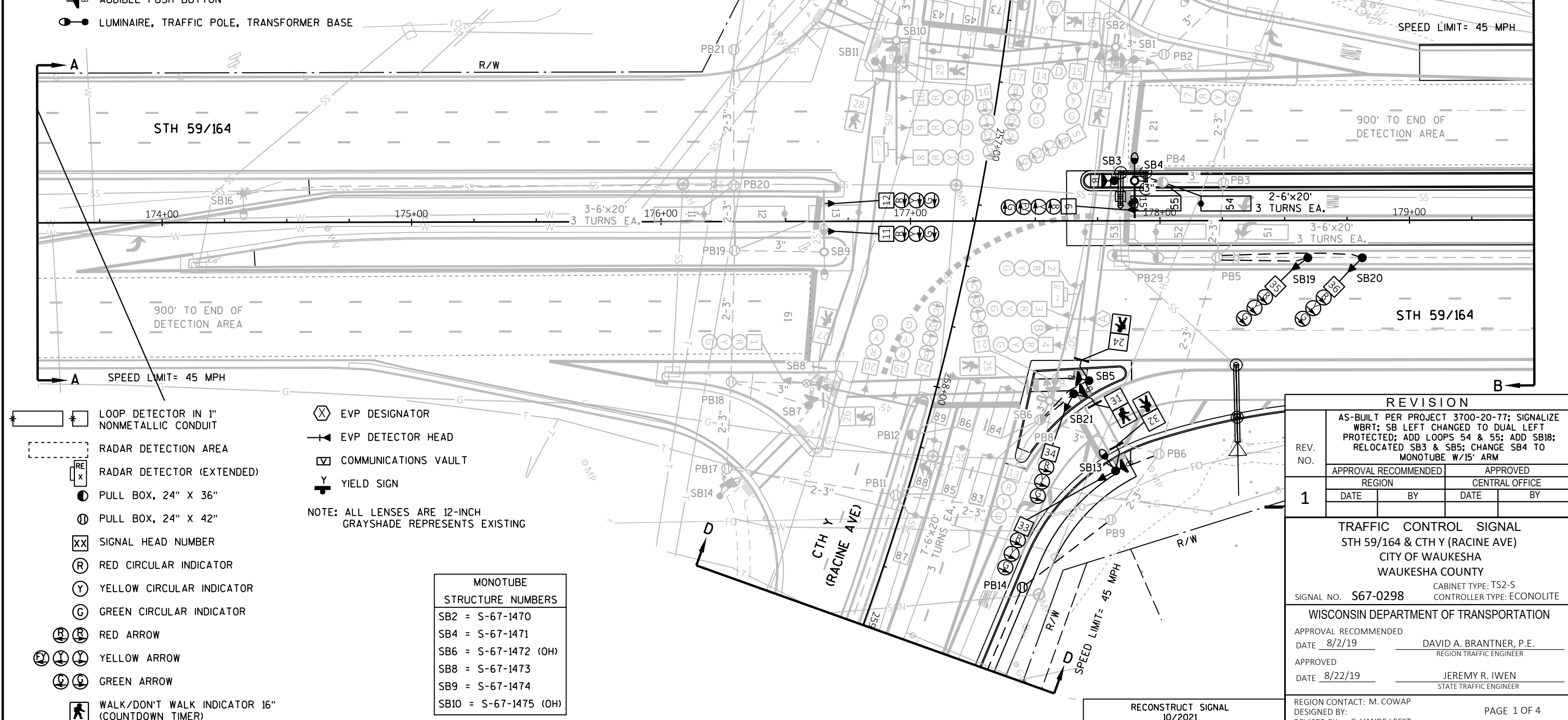


LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- NONMETALLIC INTERCONNECT CONDUIT
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- MONOTUBE BASE, POLE, 15'-30' ARM
- MONOTUBE BASE, POLE, 35'-45' ARM
- 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.



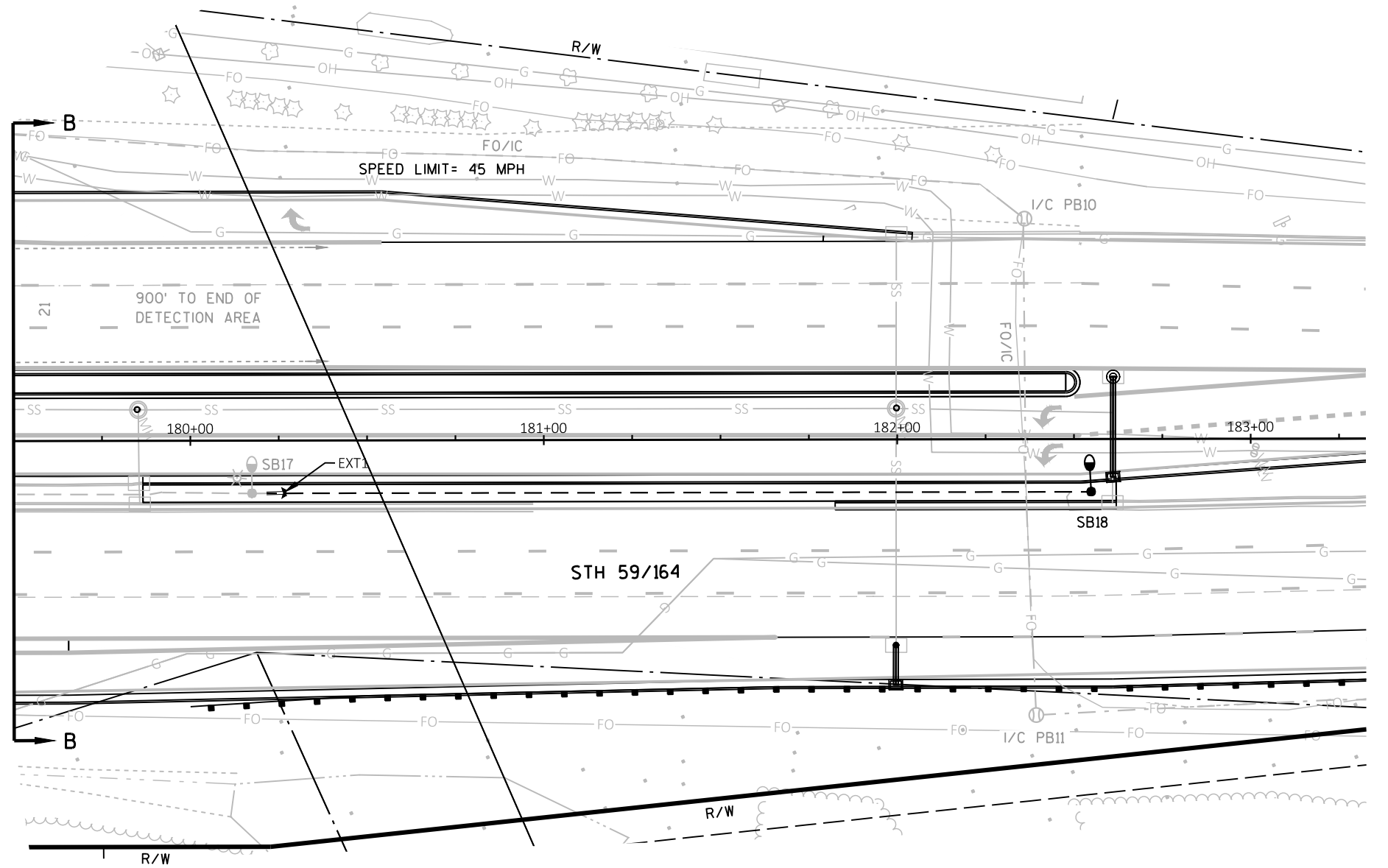
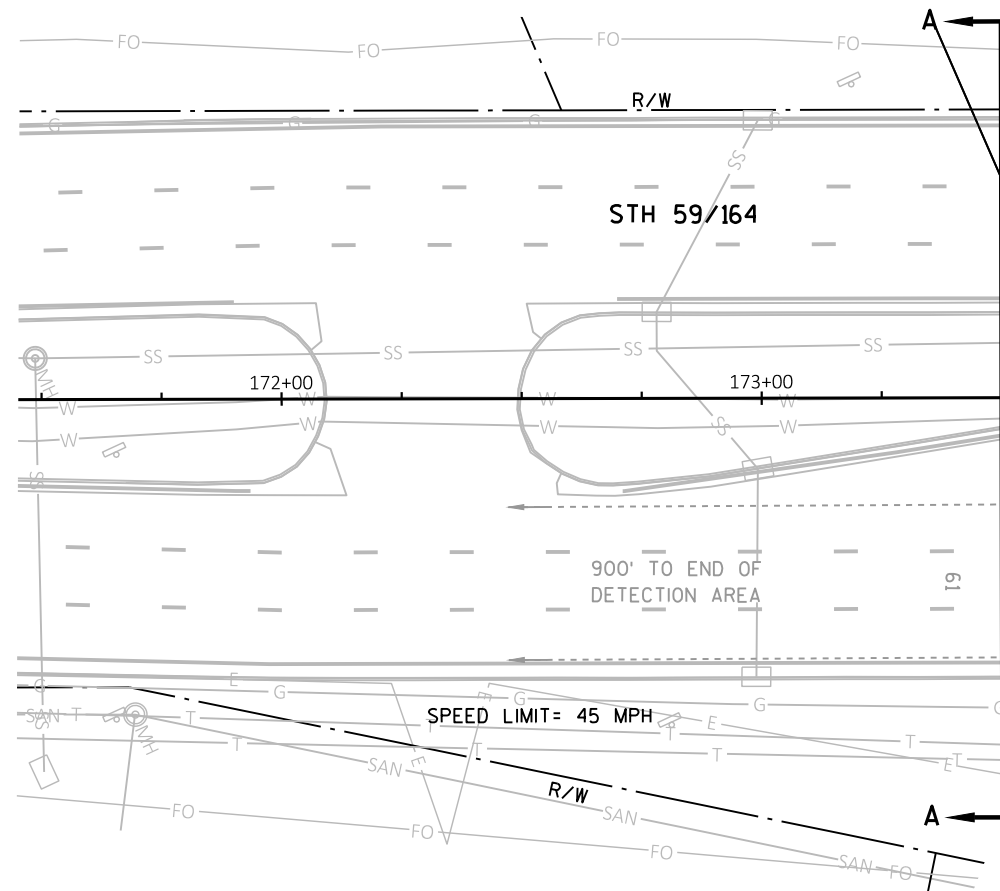
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- RADAR DETECTOR (EXTENDED)
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- SIGNAL HEAD NUMBER
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)

- EVP DESIGNATOR
- EVP DETECTOR HEAD
- COMMUNICATIONS VAULT
- YIELD SIGN

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

| MONOTUBE<br>STRUCTURE NUMBERS |                  |
|-------------------------------|------------------|
| SB2                           | = S-67-1470      |
| SB4                           | = S-67-1471      |
| SB6                           | = S-67-1472 (OH) |
| SB8                           | = S-67-1473      |
| SB9                           | = S-67-1474      |
| SB10                          | = S-67-1475 (OH) |

| REVISION                                                                                         |                                                                                                                                                                                         |                                                    |                |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------|
| REV.<br>NO.                                                                                      | AS-BUILT PER PROJECT 3700-20-77; SIGNALIZE<br>WBRT; SB LEFT CHANGED TO DUAL LEFT<br>PROTECTED; ADD LOOPS 54 & 55; ADD SB18;<br>RELOCATED SB3 & SB5; CHANGE SB4 TO<br>MONOTUBE W/15' ARM |                                                    |                |
|                                                                                                  | APPROVAL RECOMMENDED                                                                                                                                                                    |                                                    | APPROVED       |
|                                                                                                  | REGION                                                                                                                                                                                  |                                                    | CENTRAL OFFICE |
|                                                                                                  | DATE                                                                                                                                                                                    | BY                                                 | DATE           |
| 1                                                                                                |                                                                                                                                                                                         |                                                    |                |
| TRAFFIC CONTROL SIGNAL<br>STH 59/164 & CTH Y (RACINE AVE)<br>CITY OF WAUKESHA<br>WAUKESHA COUNTY |                                                                                                                                                                                         |                                                    |                |
| SIGNAL NO. S67-0298                                                                              |                                                                                                                                                                                         | CABINET TYPE: TS2-S<br>CONTROLLER TYPE: ECONOLITE  |                |
| WISCONSIN DEPARTMENT OF TRANSPORTATION                                                           |                                                                                                                                                                                         |                                                    |                |
| APPROVAL RECOMMENDED                                                                             |                                                                                                                                                                                         |                                                    |                |
| DATE 8/2/19                                                                                      |                                                                                                                                                                                         | DAVID A. BRANTNER, P.E.<br>REGION TRAFFIC ENGINEER |                |
| APPROVED                                                                                         |                                                                                                                                                                                         |                                                    |                |
| DATE 8/22/19                                                                                     |                                                                                                                                                                                         | JEREMY R. IWEN<br>STATE TRAFFIC ENGINEER           |                |
| REGION CONTACT: M. COWAP<br>DESIGNED BY:<br>REVISED BY: C. VANDE LEEST                           |                                                                                                                                                                                         |                                                    |                |
| PAGE 1 OF 4                                                                                      |                                                                                                                                                                                         |                                                    |                |



TRAFFIC CONTROL SIGNAL  
STH 59/164 & CTH Y (RACINE AVE)  
CITY OF WAUKESHA  
WAUKESHA COUNTY

SIGNAL NO. S67-0298

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

PAGE 2 OF 4

PROJECT NO: 2773-10-70

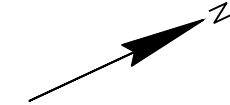
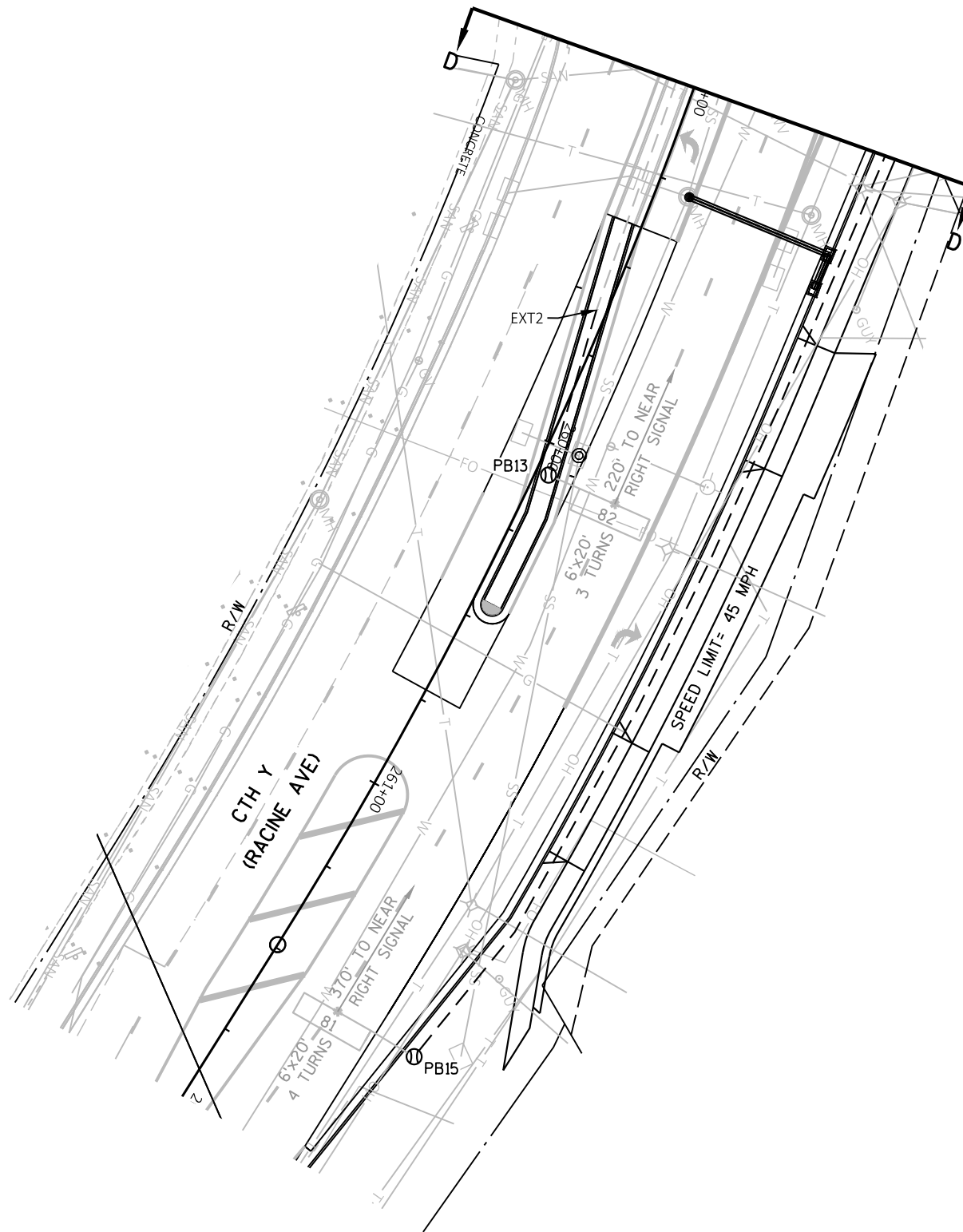
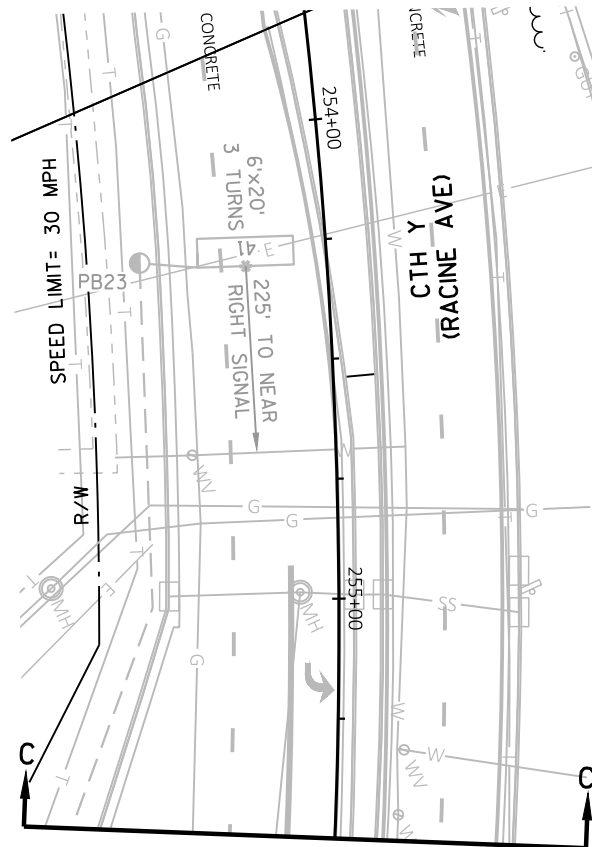
HWY: STH 59/164

COUNTY: WAUKESHA

TRAFFIC SIGNAL PLAN

SHEET

E



TRAFFIC CONTROL SIGNAL  
STH 59/164 & CTH Y (RACINE AVE)  
CITY OF WAUKESHA  
WAUKESHA COUNTY

SIGNAL NO. S67-0298

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

PAGE 3 OF 4

PROJECT NO: 2773-10-70

HWY: STH 59/164

COUNTY: WAUKESHA

TRAFFIC SIGNAL PLAN

SHEET

E

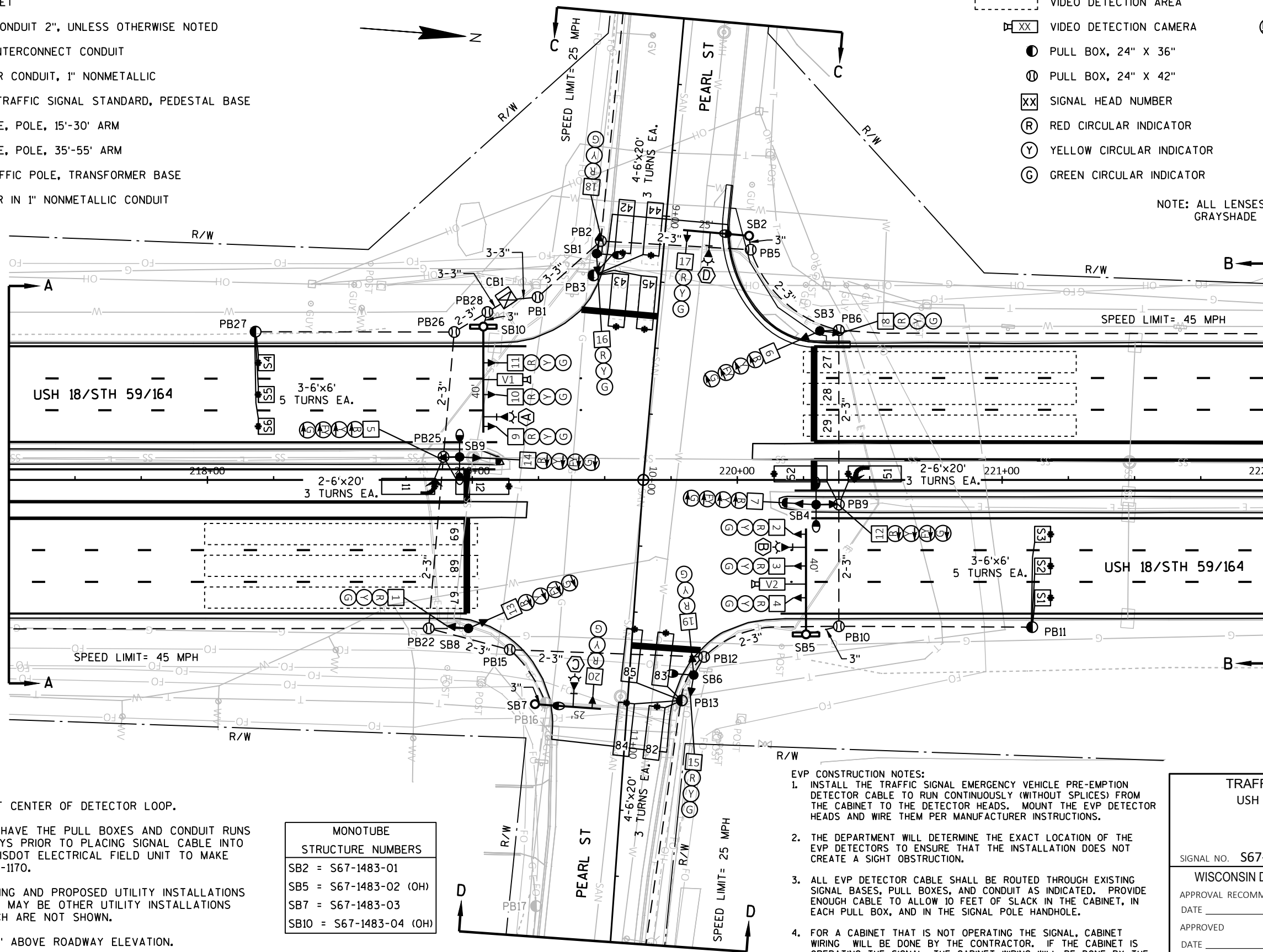


## LEGEND

- ☒ 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
- ☒ XX 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

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<br>STRUCTURE NUMBERS |
|-------------------------------|
| SB2 = S67-1483-01             |
| SB5 = S67-1483-02 (OH)        |
| SB7 = S67-1483-03             |
| SB10 = S67-1483-04 (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

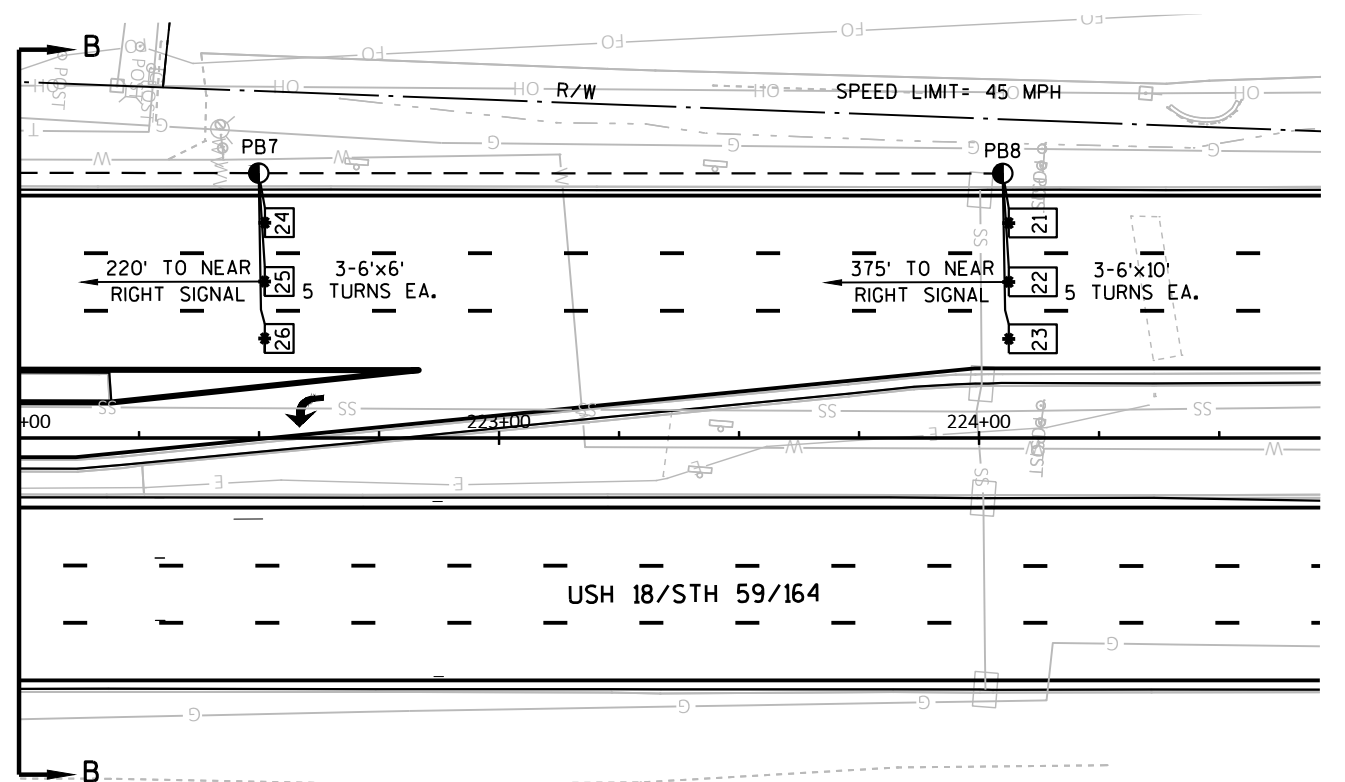
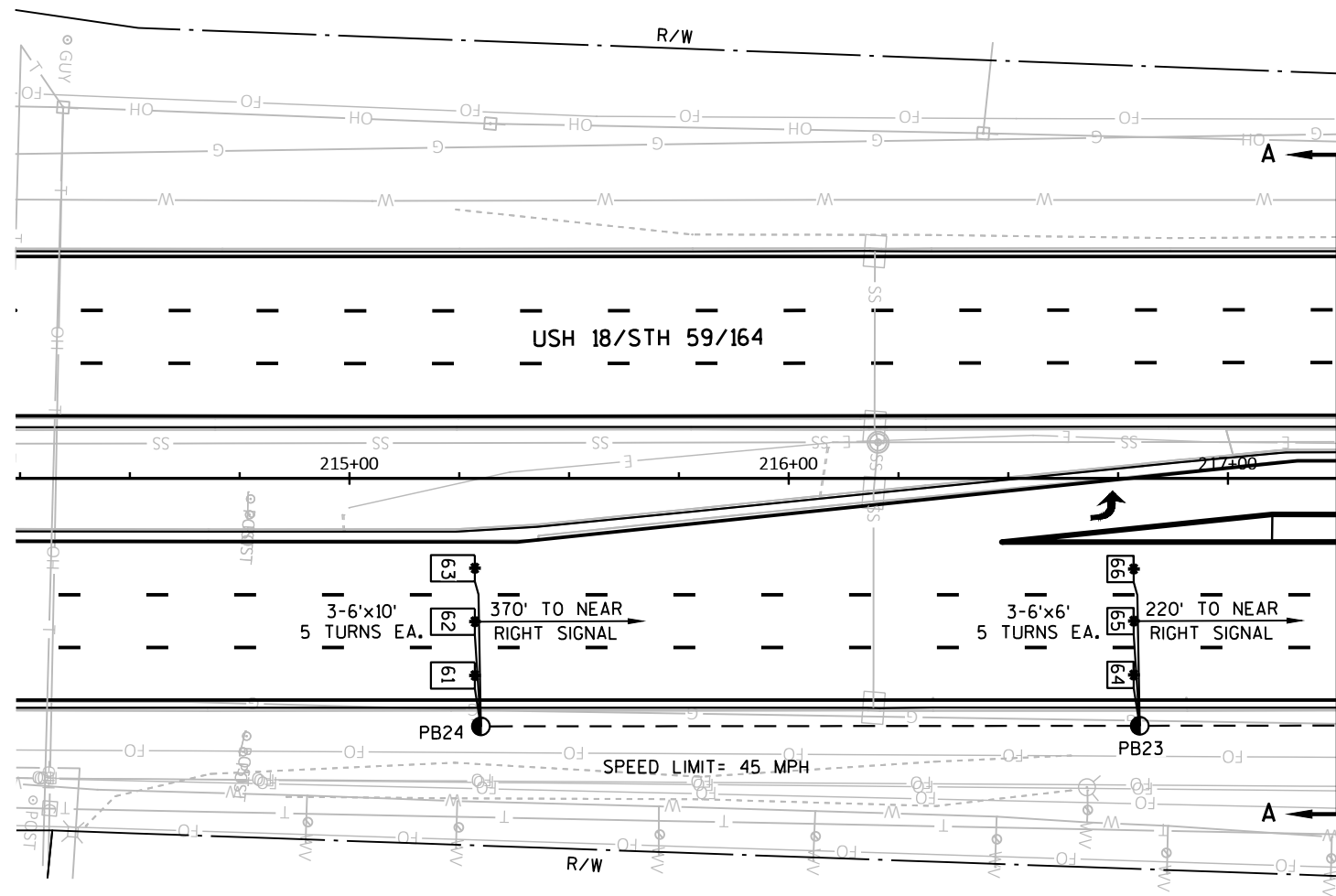
HWY: STH 59

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 LEEST  
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 2773-10-70

HWY: STH 59

COUNTY: WAUKESHA

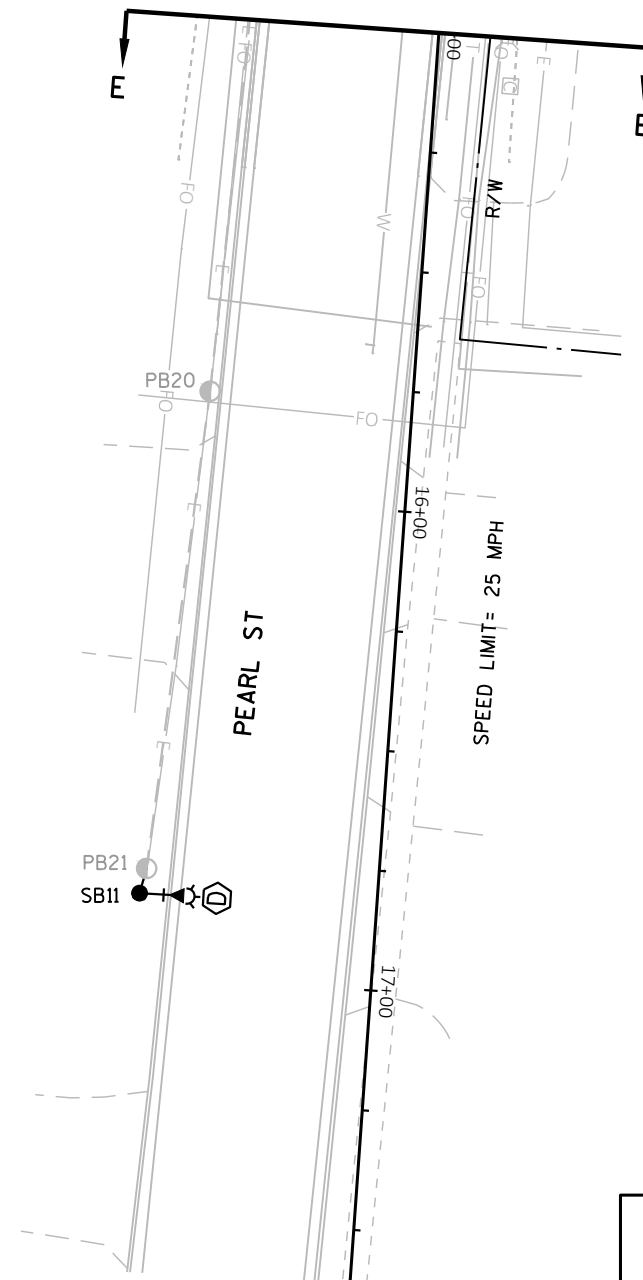
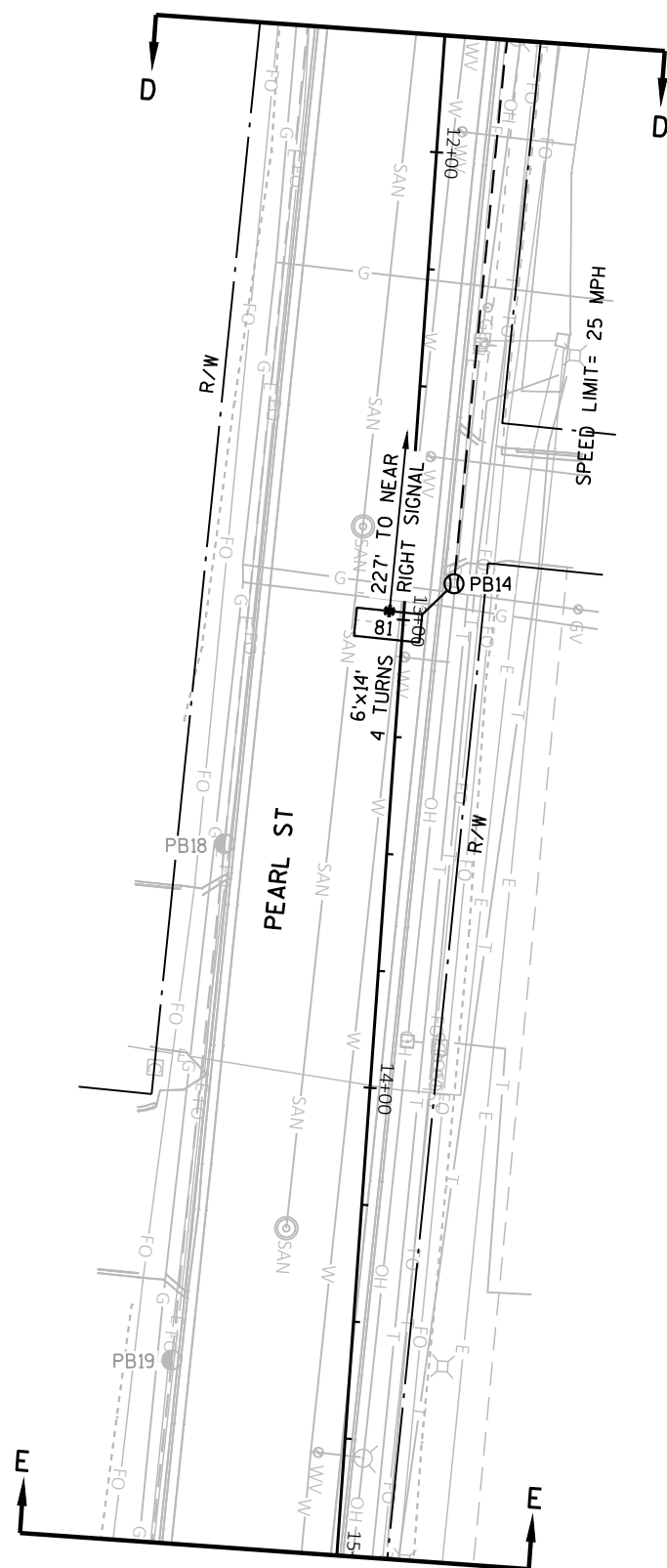
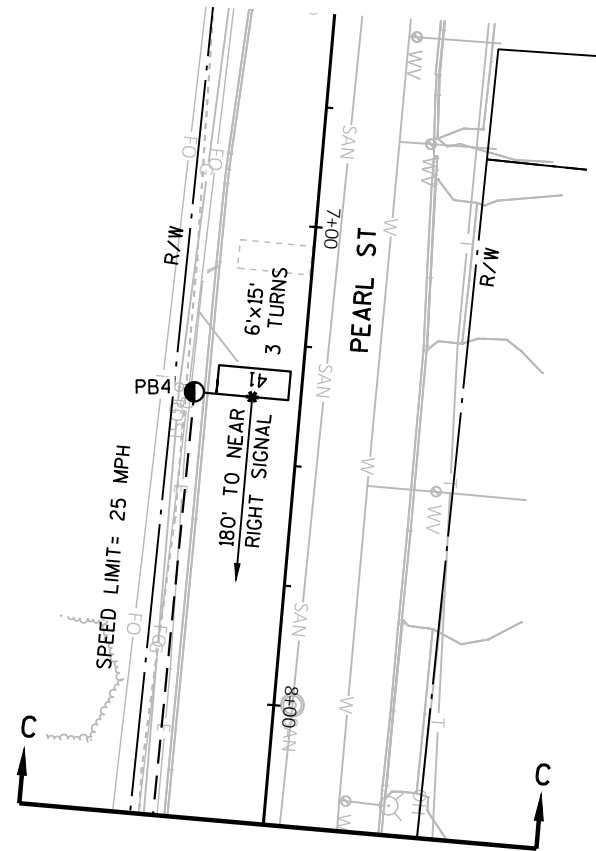
TRAFFIC SIGNAL PLAN

SHEET

E



2



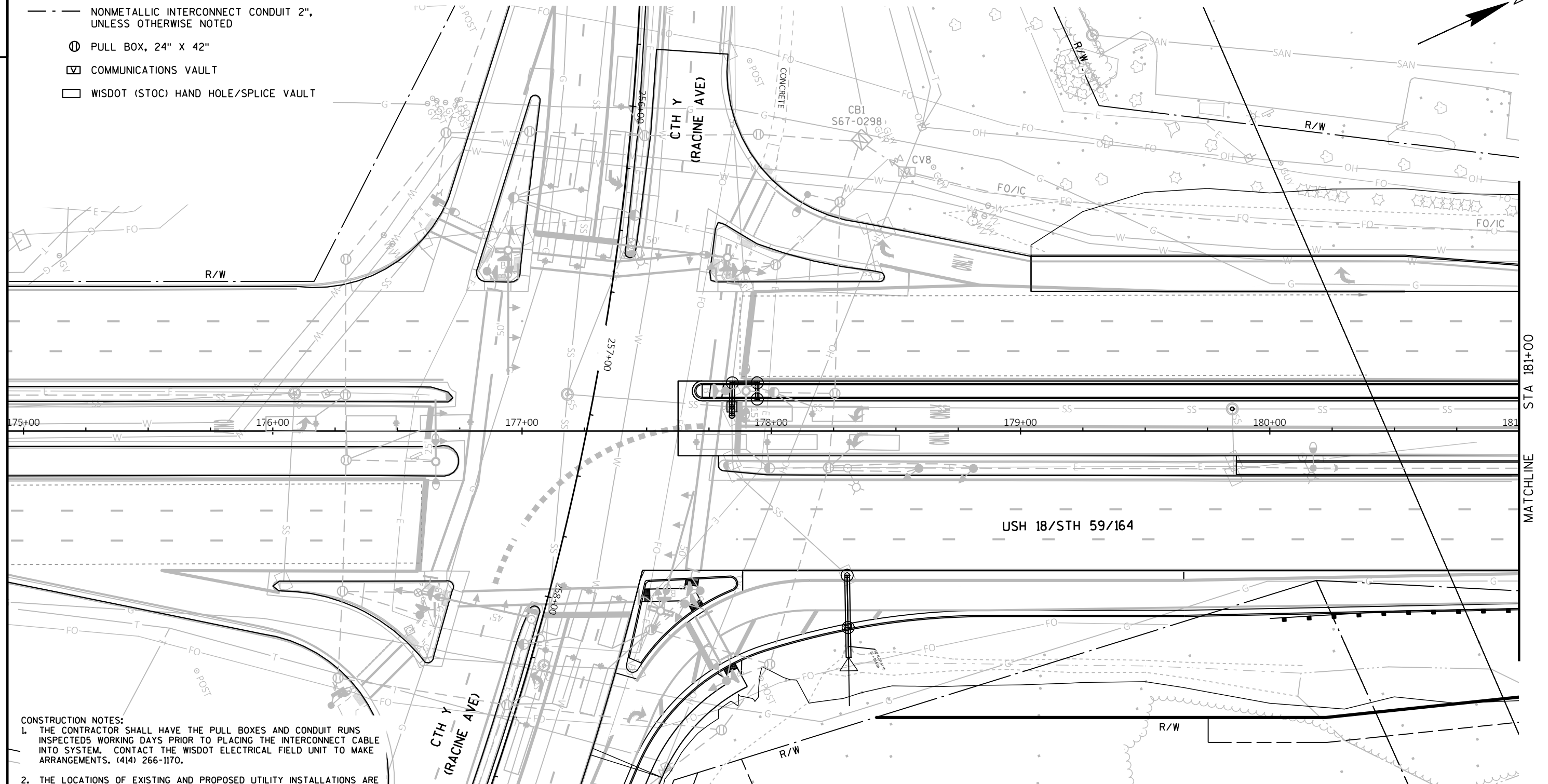
A diagram showing a coordinate system. A horizontal axis is labeled 'z' at its right end. A vertical axis is labeled 'y' at its top end. The two axes intersect at an origin point.

2

|                                                                                                                                               |                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| <p>TRAFFIC CONTROL SIGNAL<br/>USH 18/STH 59/164 &amp; PEARL ST<br/>CITY OF WAUKESHA<br/>WAUKESHA COUNTY</p> <p>SIGNAL NO. <b>S67-0398</b></p> |                    |
| <p>REGION CONTACT: M. COWAP<br/>DESIGNED BY: C. VANDE LEEST<br/>REVISED BY:</p>                                                               | <p>PAGE 3 OF 4</p> |

## LEGEND

- ☒ CONTROL CABINET
- NONMETALLIC INTERCONNECT CONDUIT 2",  
UNLESS OTHERWISE NOTED
- ⊕ PULL BOX, 24" X 42"
- ☑ COMMUNICATIONS VAULT
- WISDOT (STOC) HAND HOLE/SPLICE VAULT



## CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING THE INTERCONNECT CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. LEAVE 100-FOET OF FIBER OPTIC INTERCONNECT COILED IN EACH COMMUNICATIONS VAULT AND 30-FOET IN EACH PULL BOX.
4. 12 AWG PULL WIRE TO BE INSTALLED AS FIBER OPTIC TRACER WIRE IN INTERCONNECT CONDUIT.
5. PROPOSED STORM SEWER, LIGHTING, FTMS, DETECTABLE WARNING FIELDS, AND TRAFFIC SIGNALS ARE SHOWN GRAYSHADED FOR PLAN CLARITY.

TRAFFIC SIGNAL INTERCONNECT  
USH 18/STH 59/164  
CITY OF WAUKESHA/TOWN OF WAUKESHA  
WAUKESHA COUNTY

SIGNAL NO. S67-0298 & S67-0297

REGION CONTACT: M. COWAP

DESIGNED BY:

REVISED BY: C. VANDE LEEST

PAGE 1 OF 5

PROJECT NO: 2773-10-70

HWY: STH 59/164

COUNTY: WAUKESHA

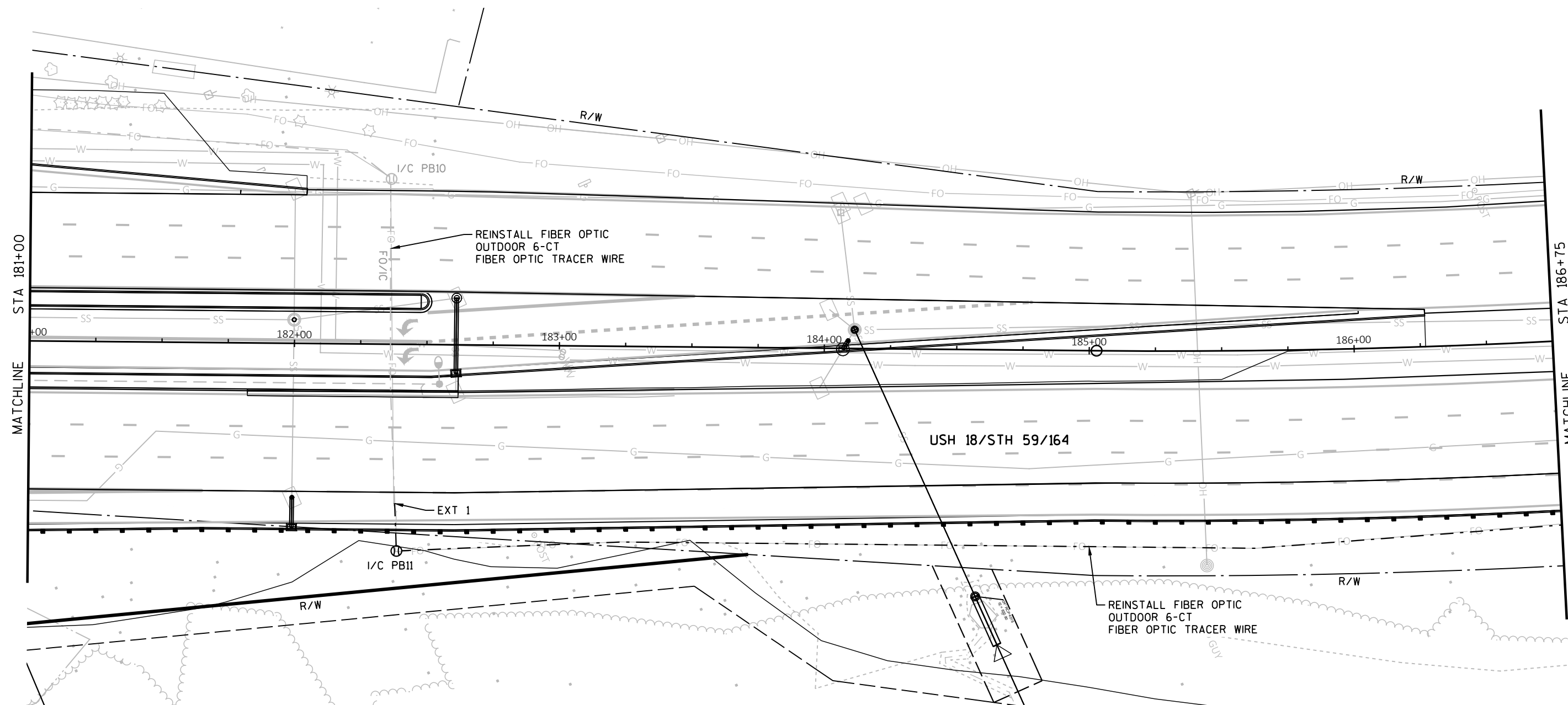
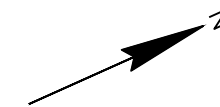
TRAFFIC SIGNAL INTERCONNECT PLAN

SHEET

E

## LEGEND

- ☒ CONTROL CABINET
- NONMETALLIC INTERCONNECT CONDUIT 2",  
UNLESS OTHERWISE NOTED
- ⊕ PULL BOX, 24" X 42"
- ☑ COMMUNICATIONS VAULT
- WISDOT (STOC) HAND HOLE/SPLICE VAULT



TRAFFIC SIGNAL INTERCONNECT  
USH 18/STH 59/164  
CITY OF WAUKESHA/TOWN OF WAUKESHA  
WAUKESHA COUNTY

SIGNAL NO. S67-0298 & S67-0297

REGION CONTACT: M. COWAP

DESIGNED BY:

REVISED BY: C. VANDE LEEST

PAGE 2 OF 5

PROJECT NO: 2773-10-70

HWY: STH 59/164

COUNTY: WAUKESHA

TRAFFIC SIGNAL INTERCONNECT PLAN

SHEET

E

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LAYOUT NAME - IC\_pg2

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PLOT BY: VANDE LEEST, CYNTHIA

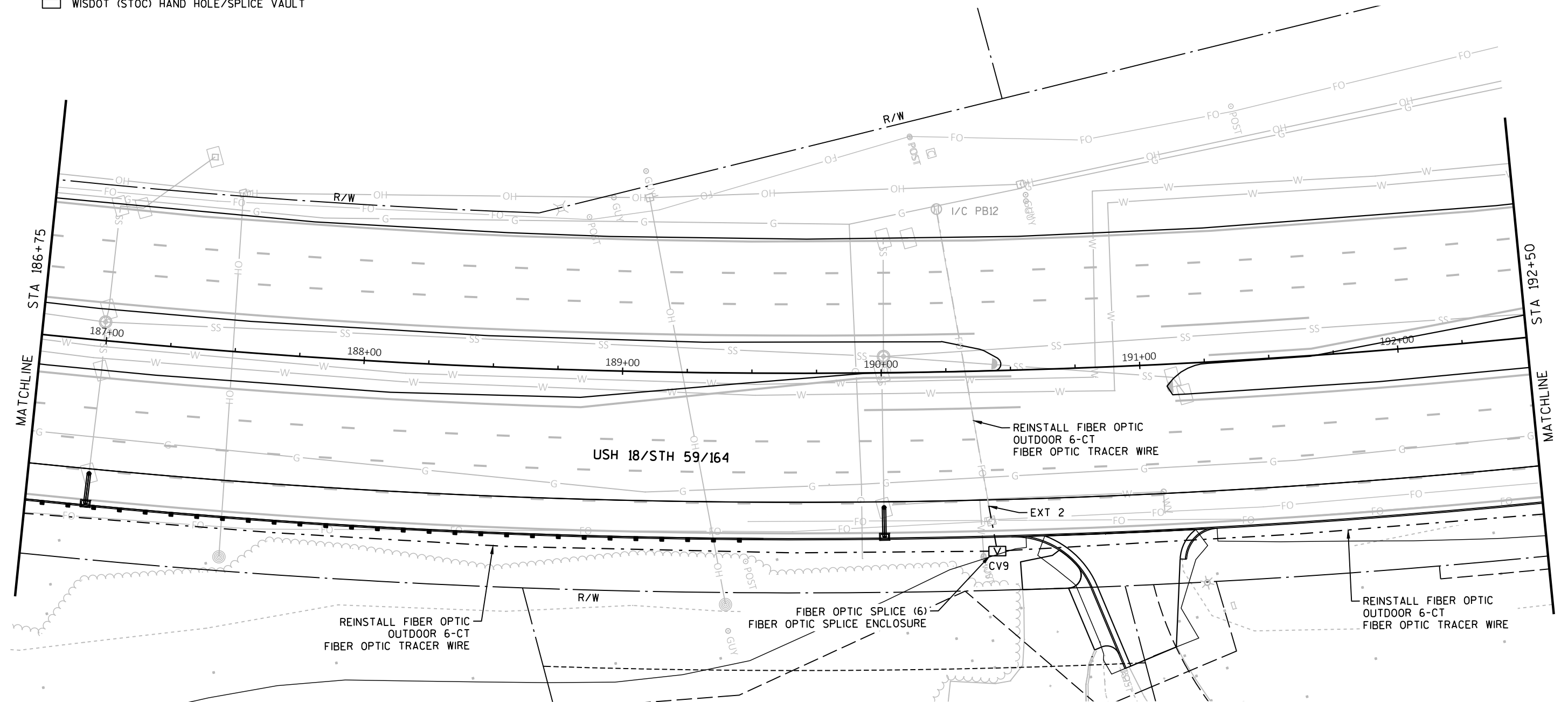
PLOT NAME:

PLOT SCALE: 1 IN=40 FT

WISDOT/CADDs SHEET 42

## LEGEND

- ☒ CONTROL CABINET
- NONMETALLIC INTERCONNECT CONDUIT 2",  
UNLESS OTHERWISE NOTED
- Ⓢ PULL BOX, 24" X 42"
- ☑ COMMUNICATIONS VAULT
- ☐ WISDOT (STOC) HAND HOLE/SPLICE VAULT



TRAFFIC SIGNAL INTERCONNECT  
USH 18/STH 59/164  
CITY OF WAUKESHA/TOWN OF WAUKESHA  
WAUKESHA COUNTY

SIGNAL NO. S67-0298 & S67-0297

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

PAGE 3 OF 5

PROJECT NO: 2773-10-70

HWY: STH 59/164

COUNTY: WAUKESHA

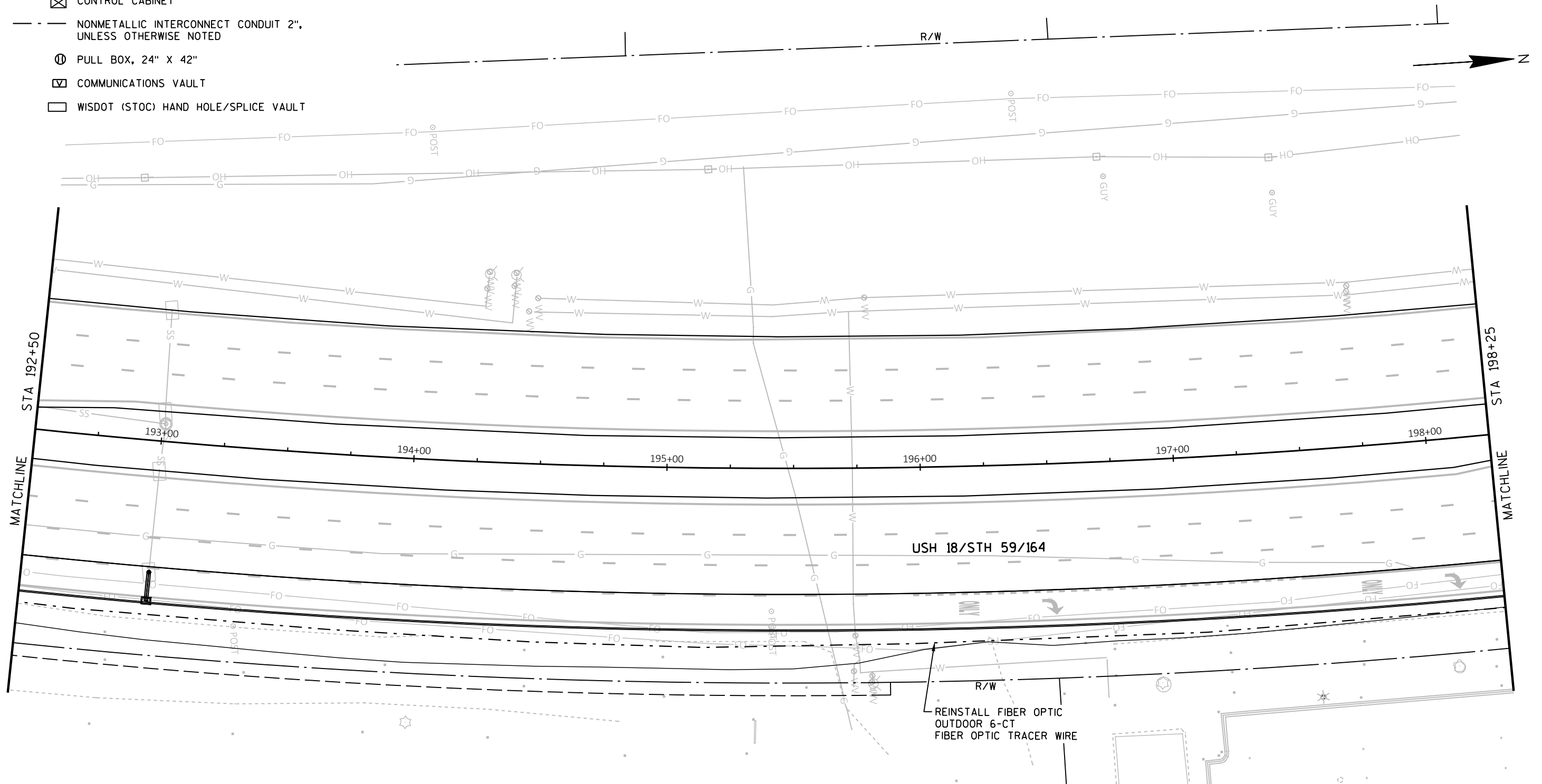
TRAFFIC SIGNAL INTERCONNECT PLAN

SHEET

E

## LEGEND

- ☒ CONTROL CABINET
- NONMETALLIC INTERCONNECT CONDUIT 2",  
UNLESS OTHERWISE NOTED
- ⊕ PULL BOX, 24" X 42"
- ☑ COMMUNICATIONS VAULT
- ☐ WISDOT (STOC) HAND HOLE/SPLICE VAULT



TRAFFIC SIGNAL INTERCONNECT  
USH 18/STH 59/164  
CITY OF WAUKESHA/TOWN OF WAUKESHA  
WAUKESHA COUNTY

SIGNAL NO. S67-0298 & S67-0297

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

PAGE 4 OF 5

PROJECT NO: 2773-10-70

HWY: STH 59/164

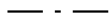
COUNTY: WAUKESHA

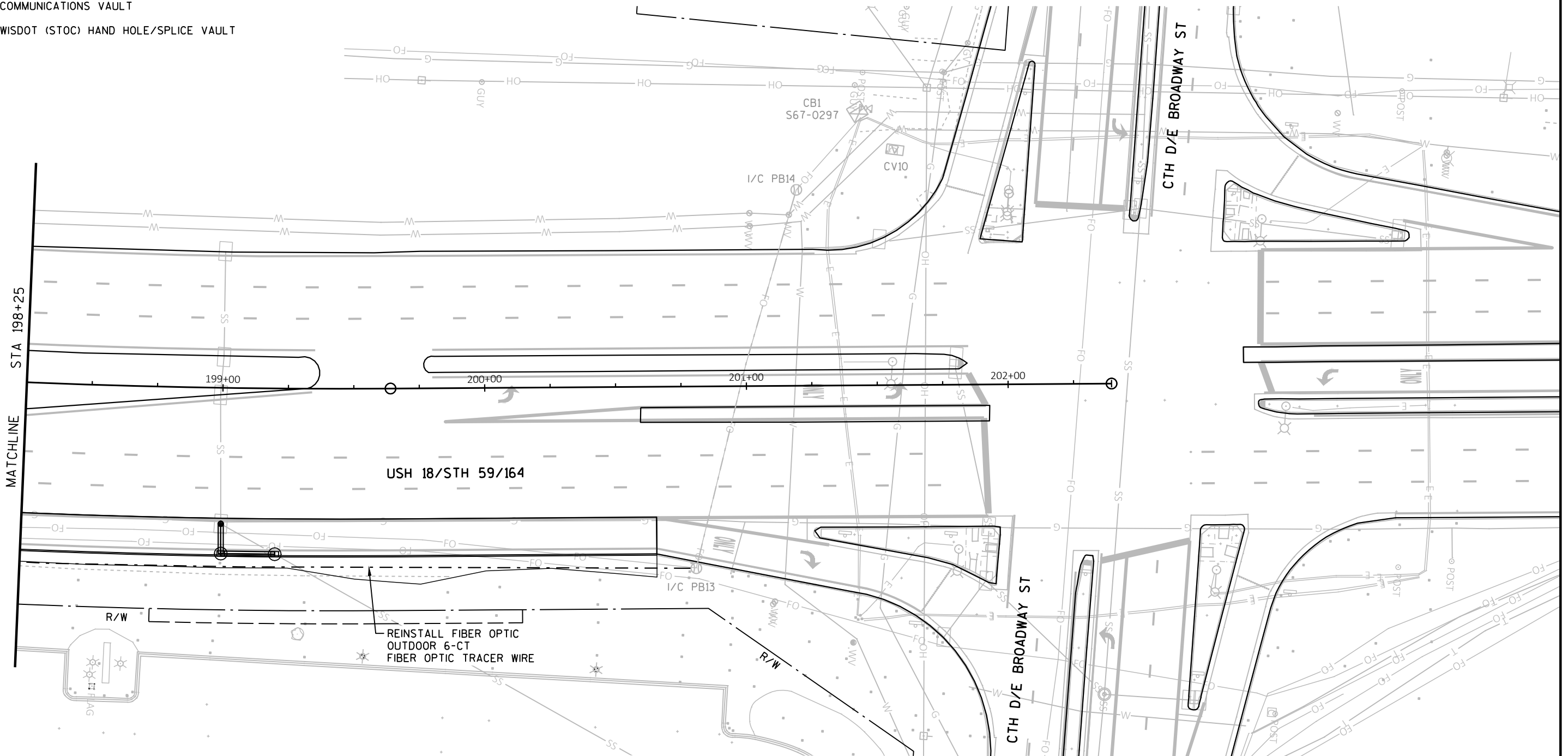
TRAFFIC SIGNAL INTERCONNECT PLAN

SHEET

E

LEGEND

-  CONTROL CABINET
-  NONMETALLIC INTERCONNECT CONDUIT 2",  
UNLESS OTHERWISE NOTED
-  PULL BOX, 24" X 42"
-  COMMUNICATIONS VAULT
-  WISDOT (STOC) HAND HOLE/SPLICE VAULT



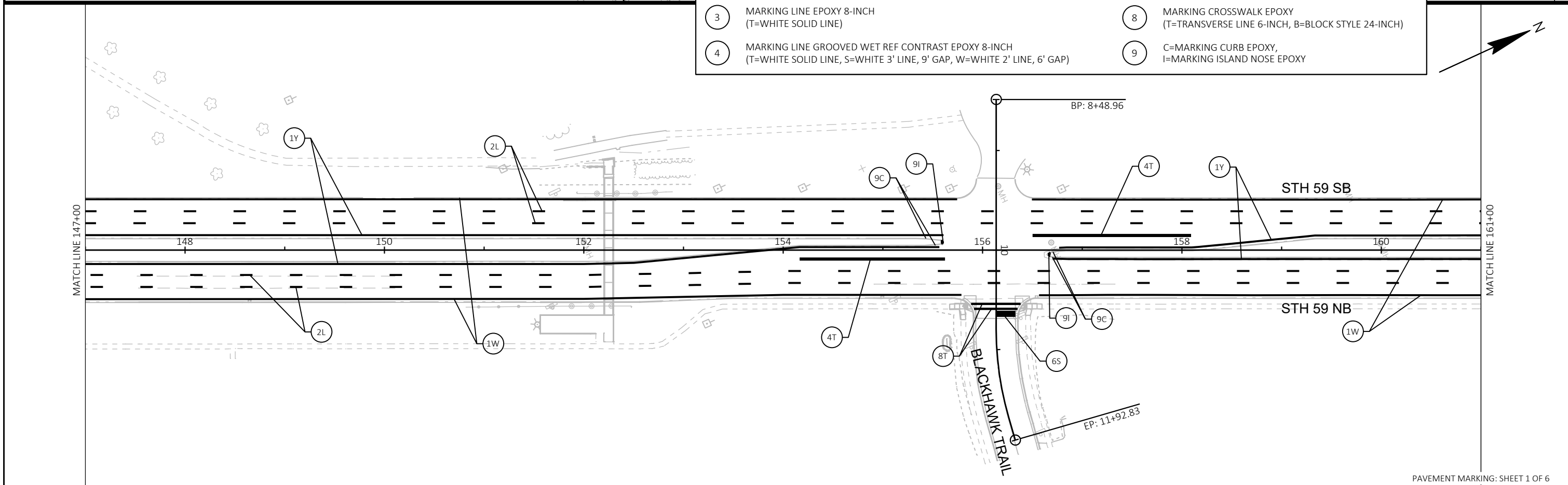
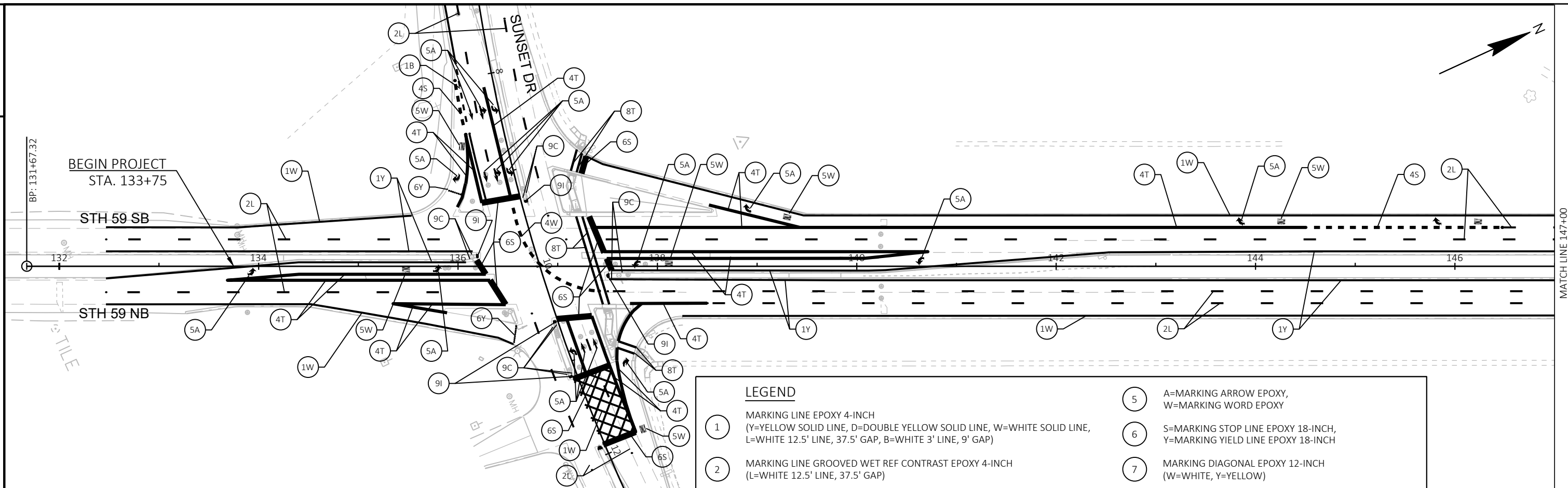
TRAFFIC SIGNAL INTERCONNECT  
USH 18/STH 59/164  
CITY OF WAUKESHA/TOWN OF WAUKESHA  
WAUKESHA COUNTY

SIGNAL NO. S67-0298 & S67-0297

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

PAGE 5 OF 5





PAVEMENT MARKING: SHEET 1 OF 6

PROJECT NO: 2773-10-70

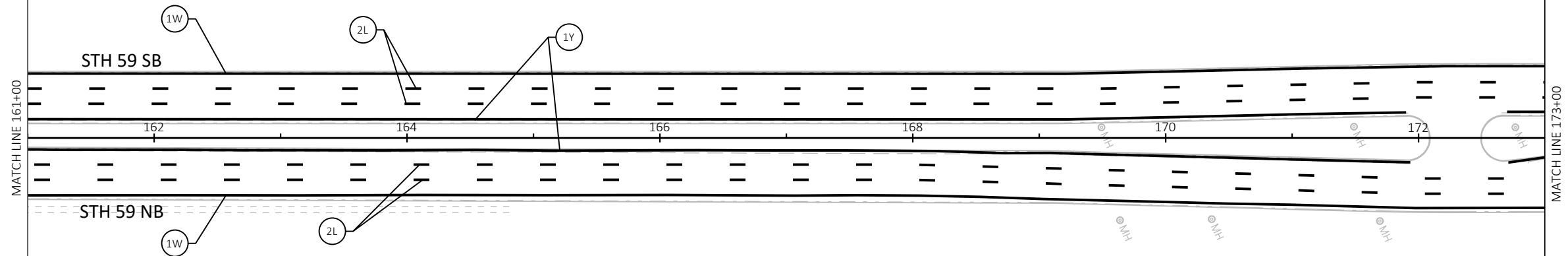
HWY: STH 59

COUNTY: WAUKESHA

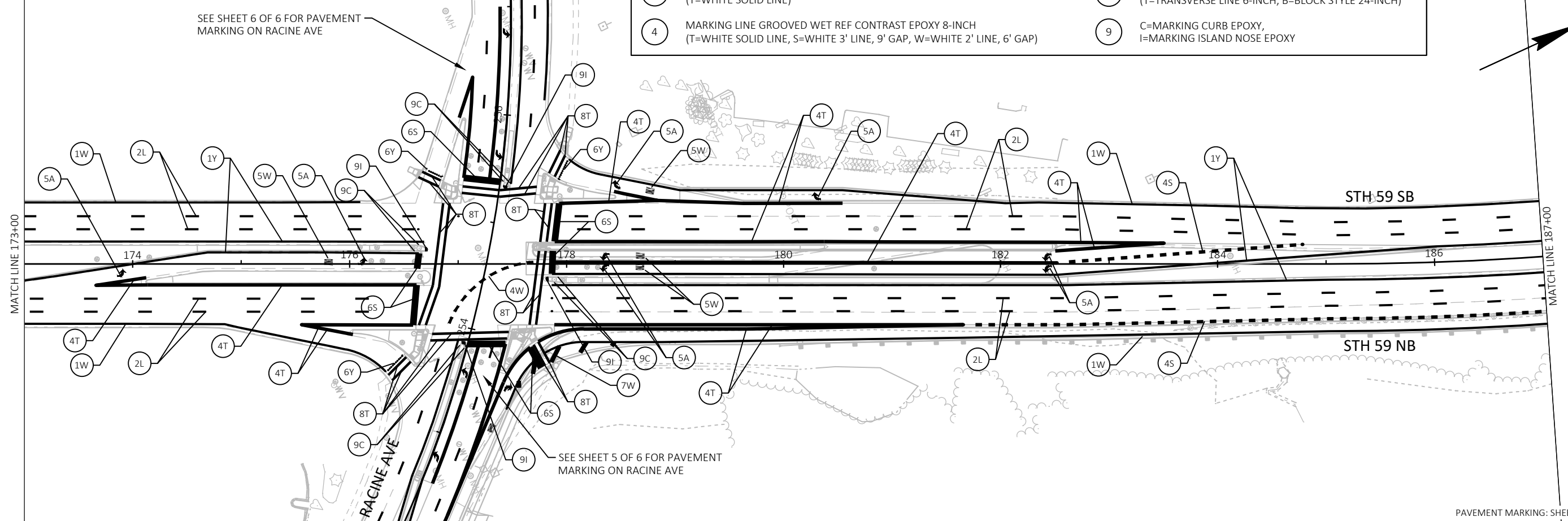
PAVEMENT MARKING

SHEET

E

**LEGEND**

- |   |                                                                                                                                                               |   |                                                                              |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------|
| 1 | MARKING LINE EPOXY 4-INCH<br>(Y=YELLOW SOLID LINE, D=DOUBLE YELLOW SOLID LINE, W=WHITE SOLID LINE,<br>L=WHITE 12.5' LINE, 37.5' GAP, B=WHITE 3' LINE, 9' GAP) | 5 | A=MARKING ARROW EPOXY,<br>W=MARKING WORD EPOXY                               |
| 2 | MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH<br>(L=WHITE 12.5' LINE, 37.5' GAP)                                                                         | 6 | S=MARKING STOP LINE EPOXY 18-INCH,<br>Y=MARKING YIELD LINE EPOXY 18-INCH     |
| 3 | MARKING LINE EPOXY 8-INCH<br>(T=WHITE SOLID LINE)                                                                                                             | 7 | MARKING DIAGONAL EPOXY 12-INCH<br>(W=WHITE, Y=YELLOW)                        |
| 4 | MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH<br>(T=WHITE SOLID LINE, S=WHITE 3' LINE, 9' GAP, W=WHITE 2' LINE, 6' GAP)                                  | 8 | MARKING CROSSWALK EPOXY<br>(T=TRANSVERSE LINE 6-INCH, B=BLOCK STYLE 24-INCH) |
|   |                                                                                                                                                               | 9 | C=MARKING CURB EPOXY,<br>I=MARKING ISLAND NOSE EPOXY                         |



PAVEMENT MARKING: SHEET 2 OF 6

PROJECT NO: 2773-10-70

HWY: STH 59

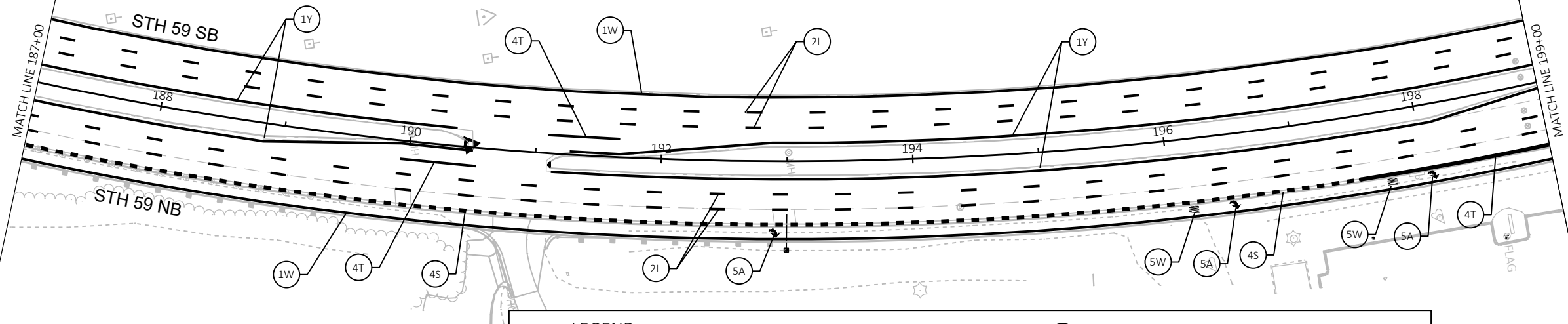
COUNTY: WAUKESHA

PAVEMENT MARKING

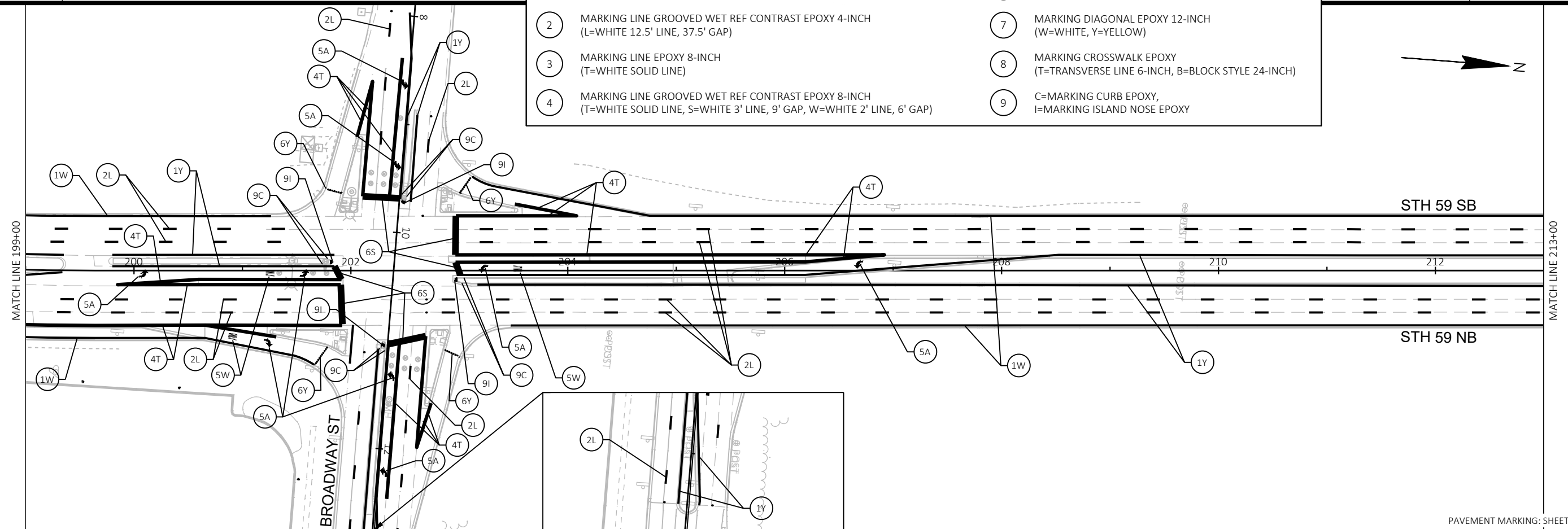
SHEET

E



**LEGEND**

- |   |                                                                                                                                                               |   |                                                                              |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------|
| 1 | MARKING LINE EPOXY 4-INCH<br>(Y=YELLOW SOLID LINE, D=DOUBLE YELLOW SOLID LINE, W=WHITE SOLID LINE,<br>L=WHITE 12.5' LINE, 37.5' GAP, B=WHITE 3' LINE, 9' GAP) | 5 | A=MARKING ARROW EPOXY,<br>W=MARKING WORD EPOXY                               |
| 2 | MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH<br>(L=WHITE 12.5' LINE, 37.5' GAP)                                                                         | 6 | S=MARKING STOP LINE EPOXY 18-INCH,<br>Y=MARKING YIELD LINE EPOXY 18-INCH     |
| 3 | MARKING LINE EPOXY 8-INCH<br>(T=WHITE SOLID LINE)                                                                                                             | 7 | MARKING DIAGONAL EPOXY 12-INCH<br>(W=WHITE, Y=YELLOW)                        |
| 4 | MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH<br>(T=WHITE SOLID LINE, S=WHITE 3' LINE, 9' GAP, W=WHITE 2' LINE, 6' GAP)                                  | 8 | MARKING CROSSWALK EPOXY<br>(T=TRANSVERSE LINE 6-INCH, B=BLOCK STYLE 24-INCH) |
|   |                                                                                                                                                               | 9 | C=MARKING CURB EPOXY,<br>I=MARKING ISLAND NOSE EPOXY                         |



PROJECT NO: 2773-10-70

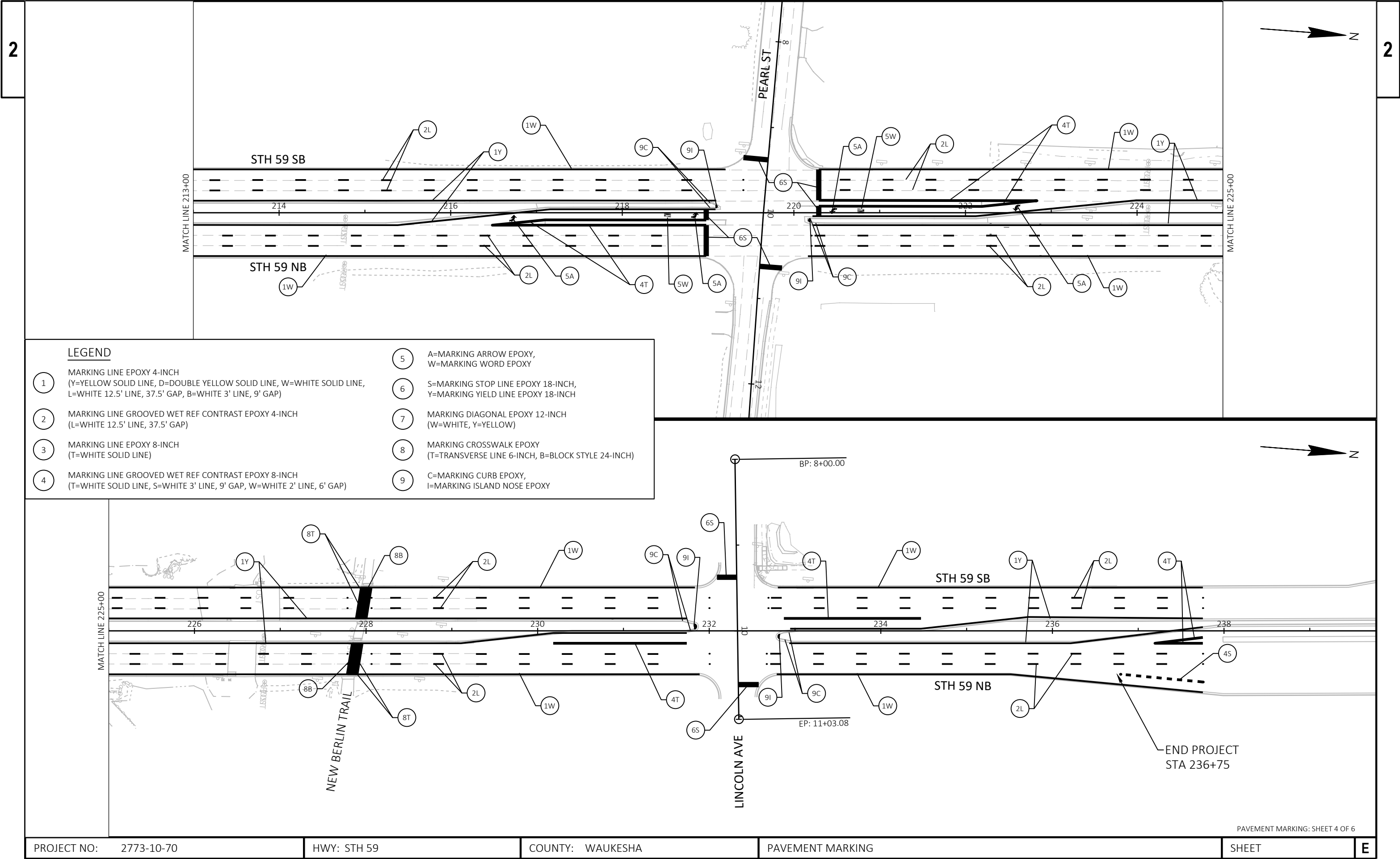
HWY: STH 59

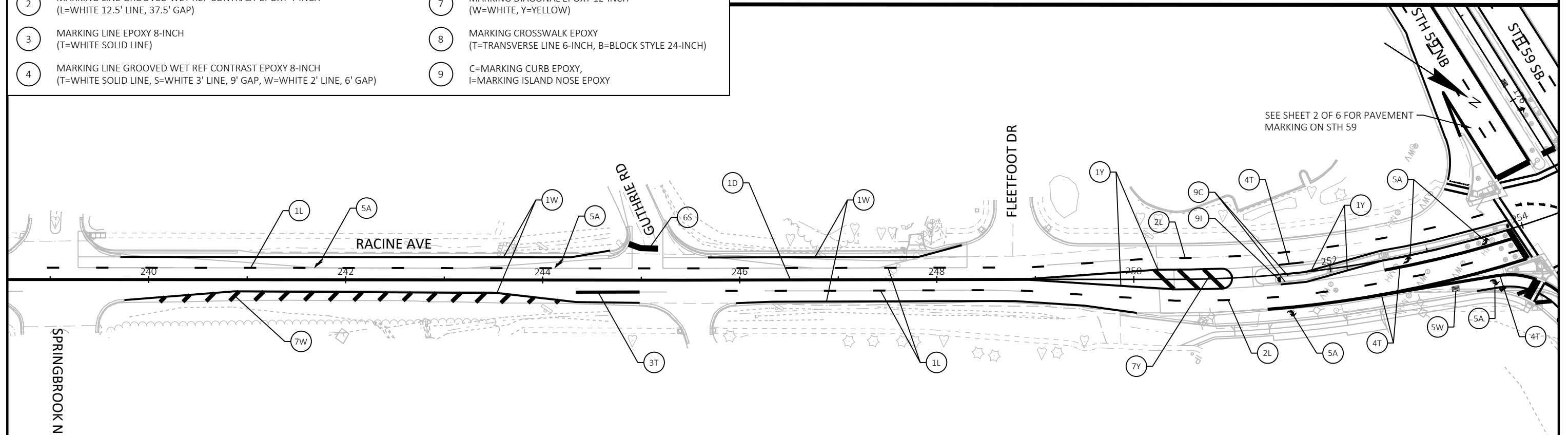
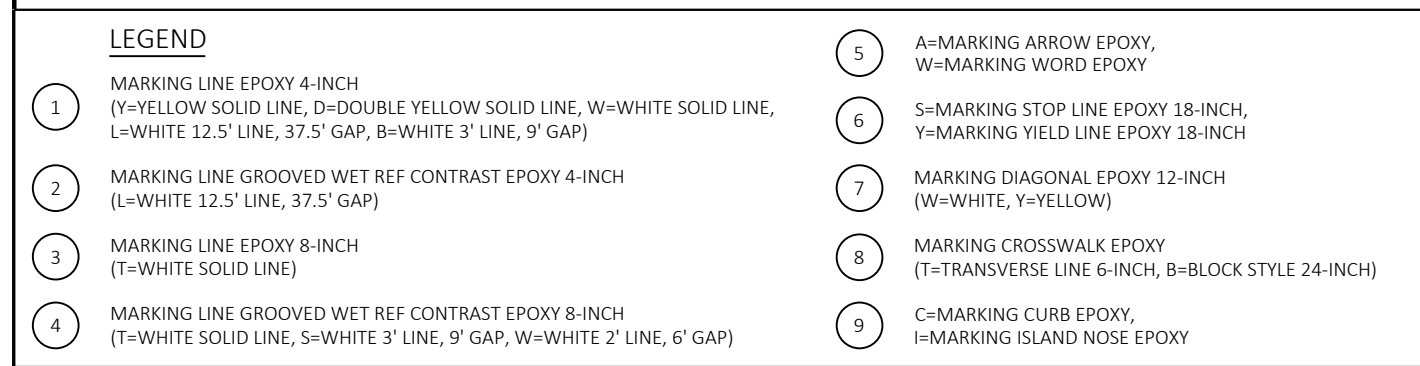
COUNTY: WAUKESHA

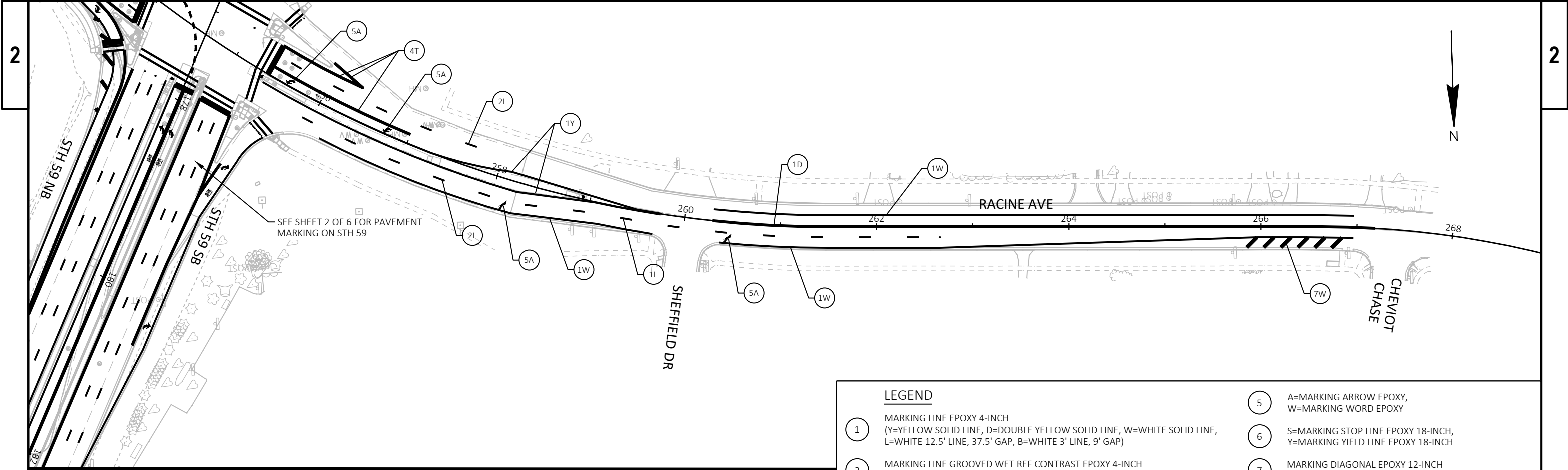
PAVEMENT MARKING

SHEET

E

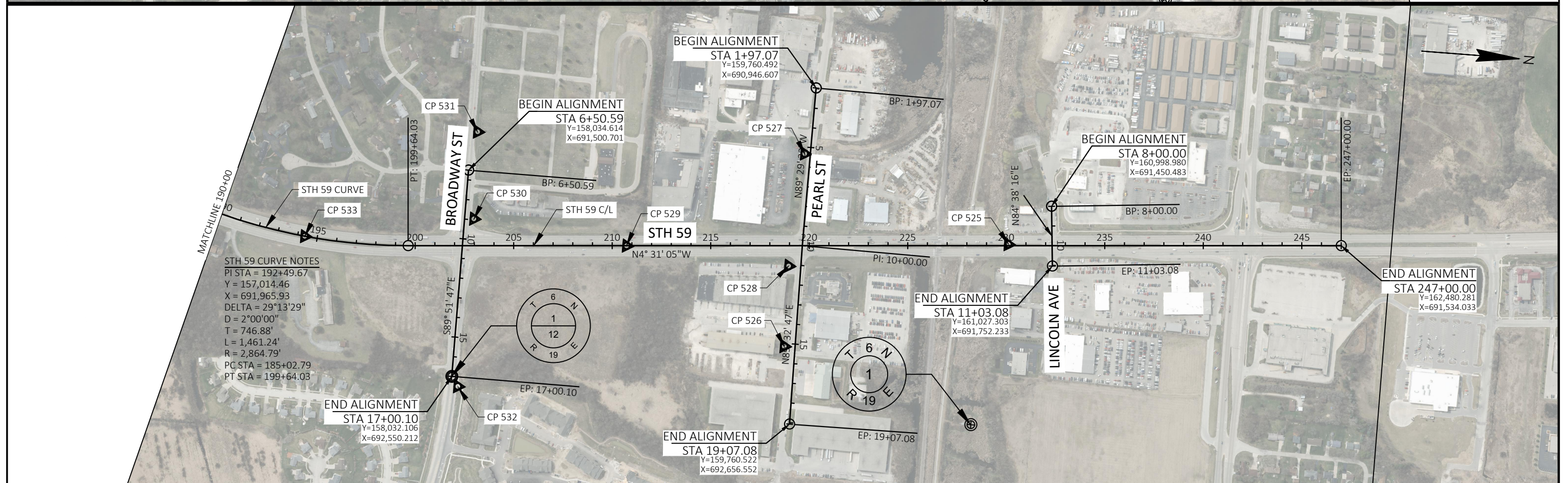




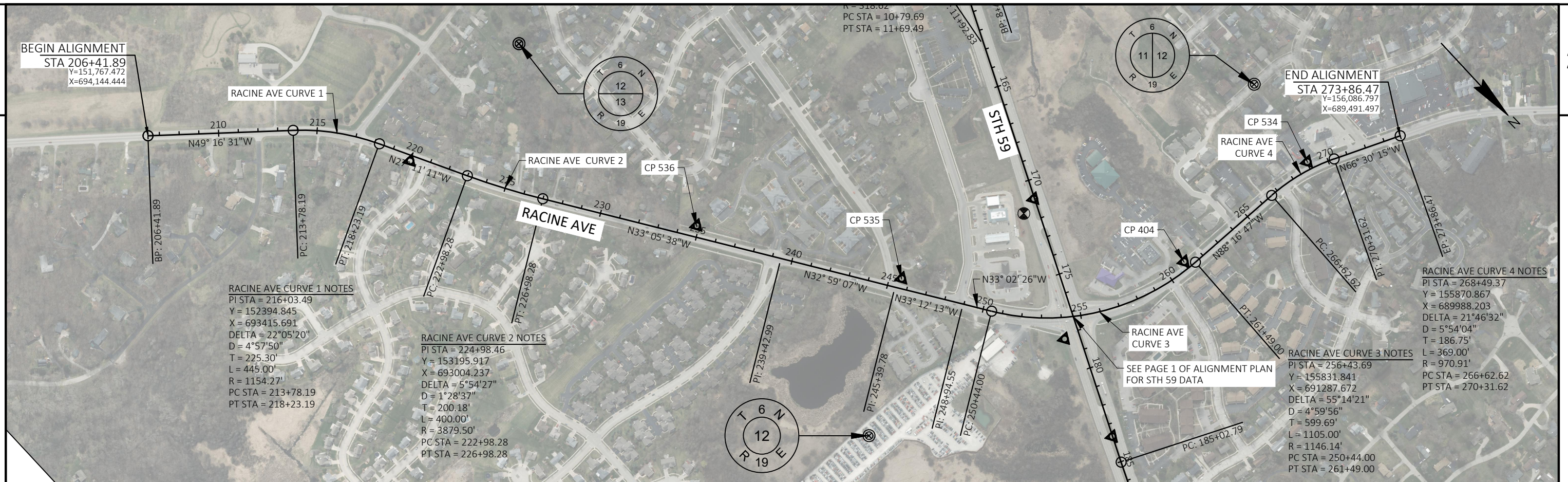


| LEGEND                                                                                                                                                       |                                                                                |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| 1 MARKING LINE EPOXY 4-INCH<br>(Y=YELLOW SOLID LINE, D=DOUBLE YELLOW SOLID LINE, W=WHITE SOLID LINE, L=WHITE 12.5' LINE, 37.5' GAP, B=WHITE 3' LINE, 9' GAP) | 5 A=MARKING ARROW EPOXY, W=MARKING WORD EPOXY                                  |
| 2 MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH<br>(L=WHITE 12.5' LINE, 37.5' GAP)                                                                      | 6 S=MARKING STOP LINE EPOXY 18-INCH, Y=MARKING YIELD LINE EPOXY 18-INCH        |
| 3 MARKING LINE EPOXY 8-INCH<br>(T=WHITE SOLID LINE)                                                                                                          | 7 MARKING DIAGONAL EPOXY 12-INCH<br>(W=WHITE, Y=YELLOW)                        |
| 4 MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH<br>(T=WHITE SOLID LINE, S=WHITE 3' LINE, 9' GAP, W=WHITE 2' LINE, 6' GAP)                               | 8 MARKING CROSSWALK EPOXY<br>(T=TRANSVERSE LINE 6-INCH, B=BLOCK STYLE 24-INCH) |
|                                                                                                                                                              | 9 C=MARKING CURB EPOXY, I=MARKING ISLAND NOSE EPOXY                            |

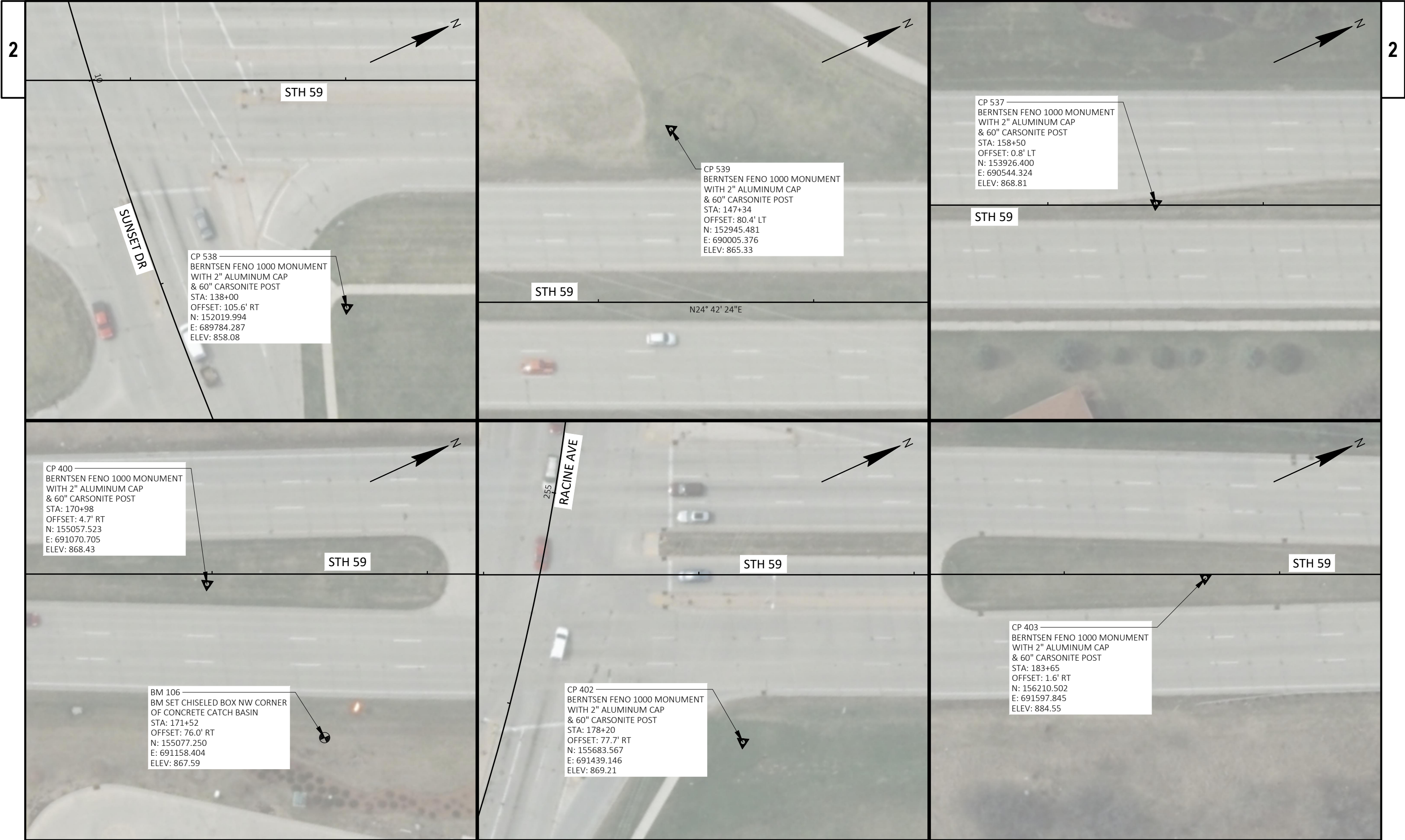




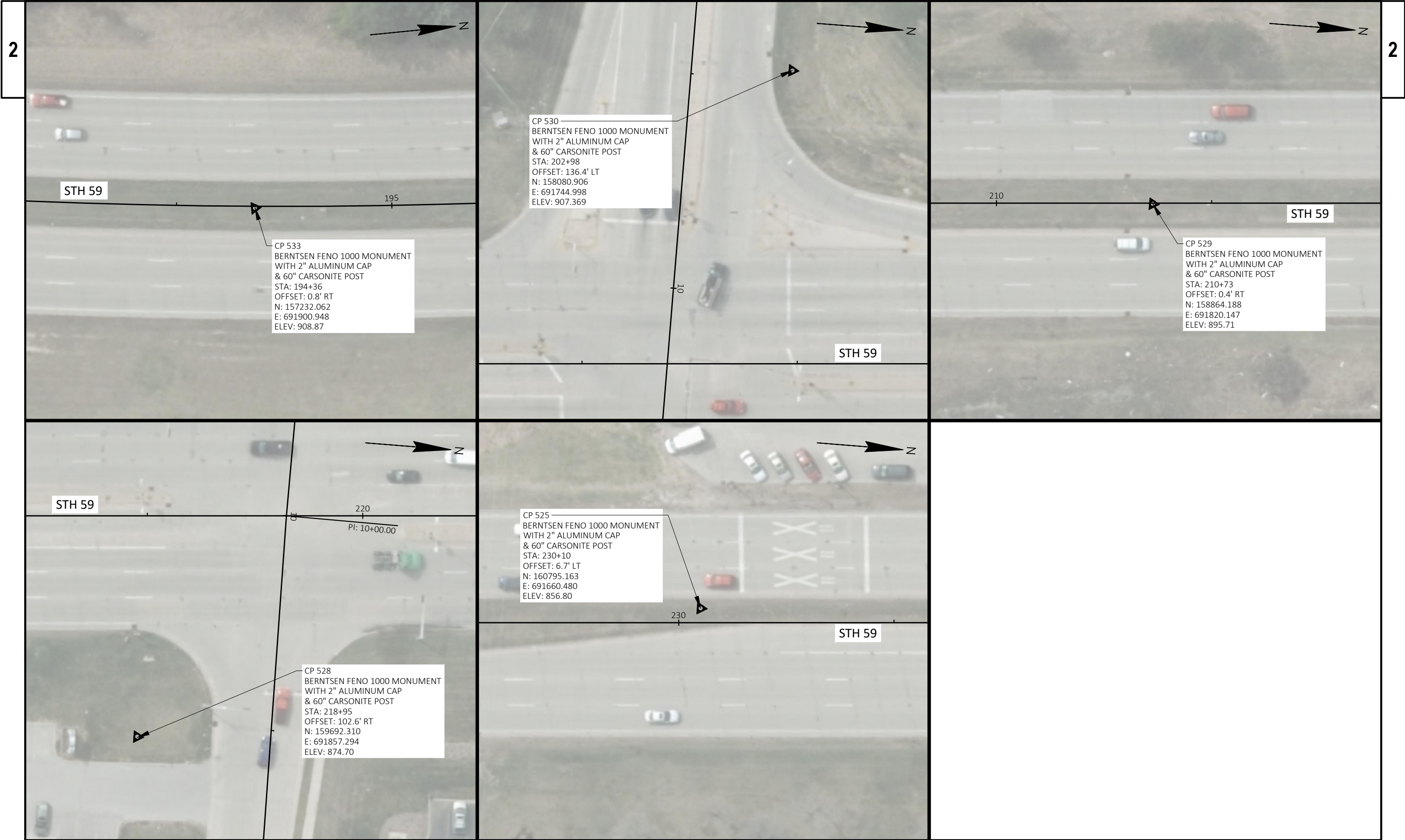






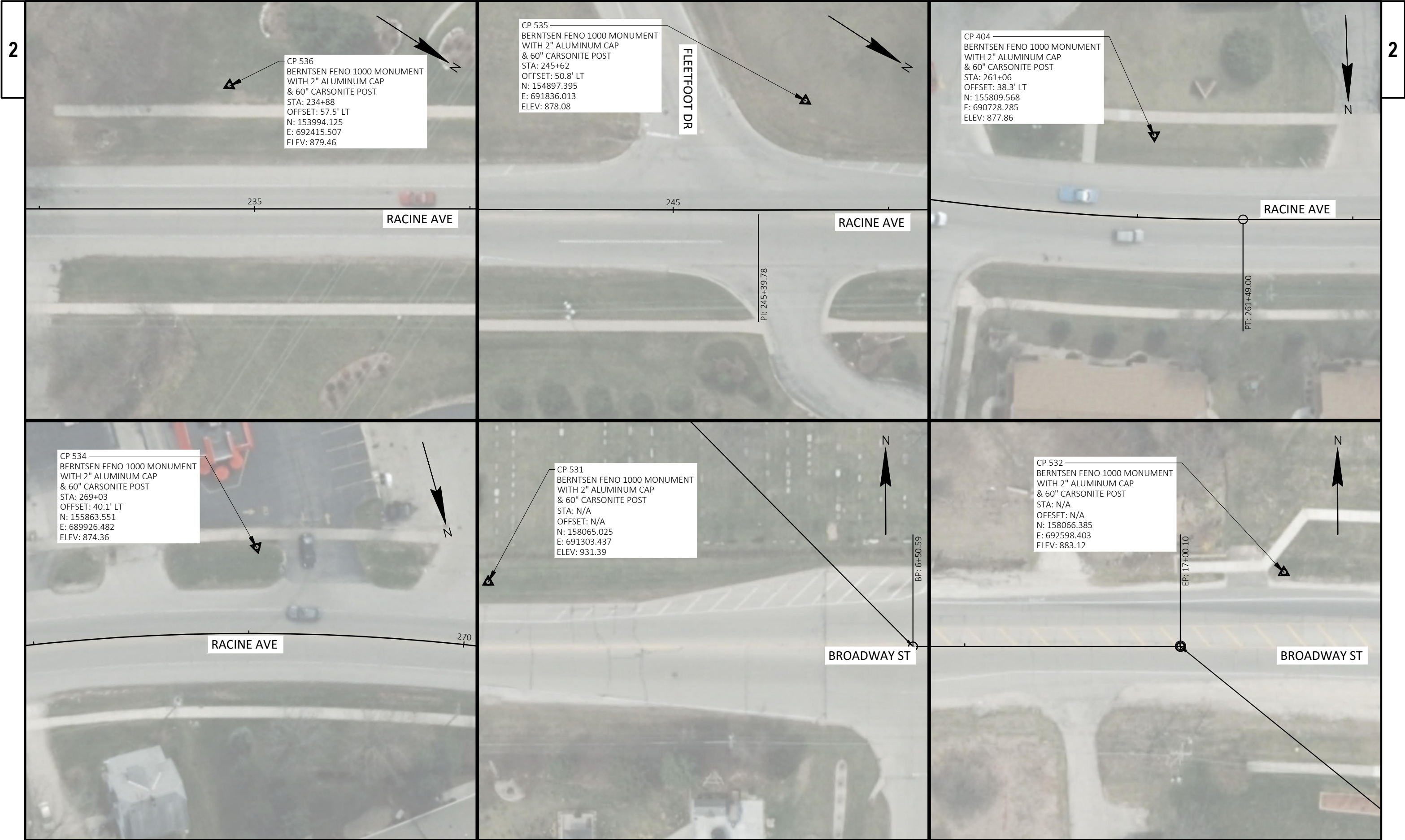


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|------------------------|-------------|------------------|-----------------------------------|-------|---|
| PROJECT NO: 2773-10-70 | HWY: STH 59 | COUNTY: WAUKESHA | ALIGNMENT LAYOUT - SURVEY CONTROL | SHEET | E |
|------------------------|-------------|------------------|-----------------------------------|-------|---|

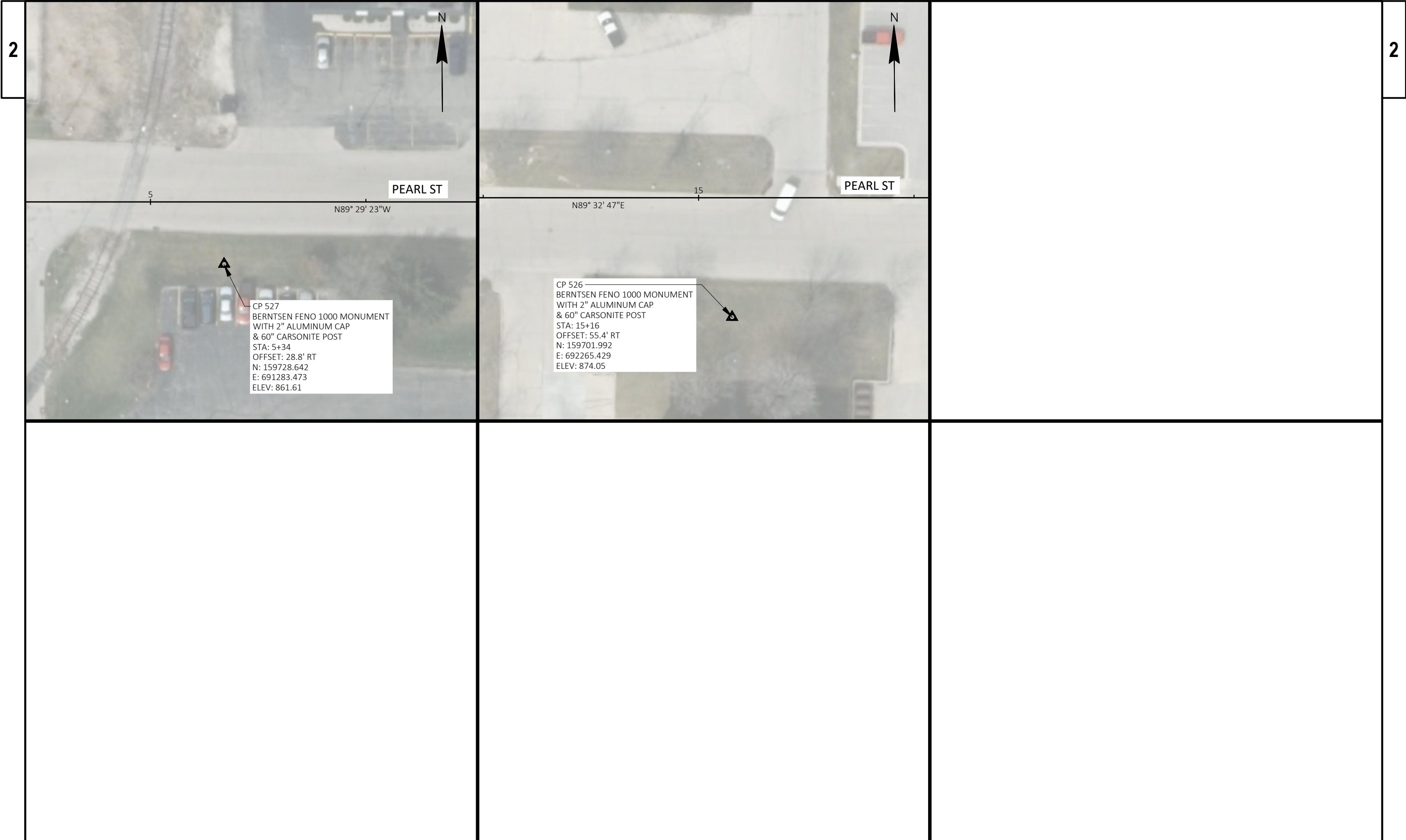


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|------------------------|-------------|------------------|-----------------------------------|-------|---|
| PROJECT NO: 2773-10-70 | HWY: STH 59 | COUNTY: WAUKESHA | ALIGNMENT LAYOUT - SURVEY CONTROL | SHEET | E |
|------------------------|-------------|------------------|-----------------------------------|-------|---|





|                        |             |                  |                                   |       |   |
|------------------------|-------------|------------------|-----------------------------------|-------|---|
| PROJECT NO: 2773-10-70 | HWY: STH 59 | COUNTY: WAUKESHA | ALIGNMENT LAYOUT - SURVEY CONTROL | SHEET | E |
|------------------------|-------------|------------------|-----------------------------------|-------|---|









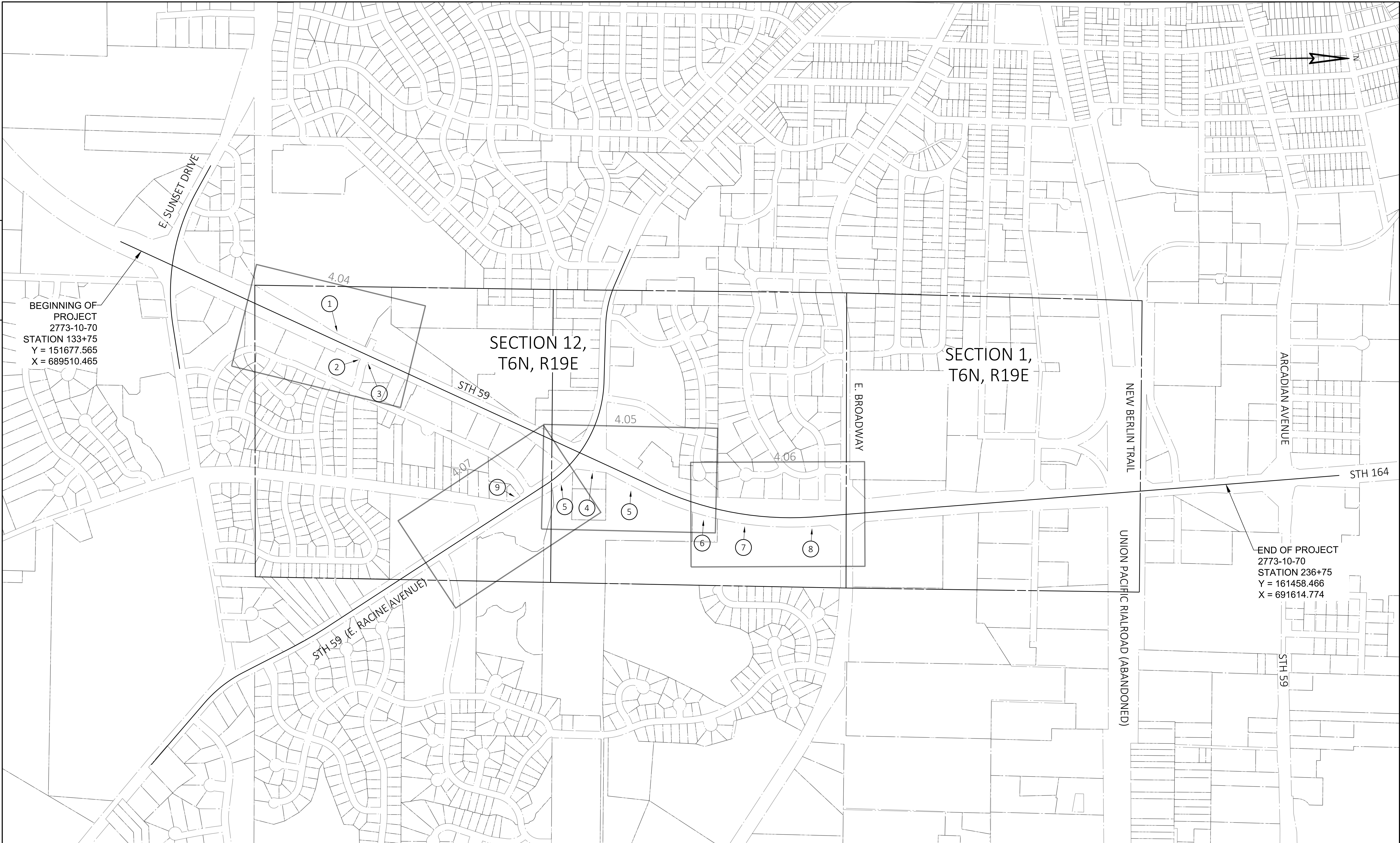
SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACREAGE 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 THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.  
\*=CALCULATED    \*\*=SQUARE FEET

| PARCEL<br>NUMBER | SHEET NUMBER | *OWNER                                          | INTEREST<br>REQUIRED | R/W ACRE(S) REQUIRED (ACRES) |          |       |    | PLE AREA | TLE AREA | PARCEL<br>NUMBER |
|------------------|--------------|-------------------------------------------------|----------------------|------------------------------|----------|-------|----|----------|----------|------------------|
|                  |              |                                                 |                      | NEW                          | EXISTING | TOTAL | HE |          |          |                  |
| 1                |              | CITY OF WAUKESHA                                | TLE                  |                              |          |       |    |          | 0.127    | 1                |
| 2                |              | AMERICAN RENTALS APARTMENT AND STORAGE VII LLC  | TLE                  |                              |          |       |    |          | 0.003    | 2                |
| 3                |              | MARVIN M SCHULZ & CHRISTINE E SCHULZ            | TLE                  |                              |          |       |    |          | 0.002    | 3                |
| 4                |              | RBM ENTERPRISES A WISCONSIN GENERAL PARTNERSHIP | FEE, TLE             | 0.127                        |          | 0.127 |    |          | 0.026    | 4                |
| 5                |              | RBM ENTERPRISE LLC                              | FEE, PLE, TLE        | 0.210                        |          | 0.210 |    | 0.024    | 0.407    | 5                |
| 6                |              | MELISSA DOMBROWSKI                              | TLE                  |                              |          |       |    |          | 0.144    | 6                |
| 7                |              | SALEM CHURCH                                    | TLE                  |                              |          |       |    |          | 0.072    | 7                |
| 8                |              | WAUKESHA RE LLC                                 | TLE                  |                              |          |       |    |          | 0.016    | 8                |
| 9                |              | KELVIN E BECKE & JOY E BECKE                    | TLE                  |                              |          |       |    |          | 0.014    | 9                |
|                  |              |                                                 |                      |                              |          |       |    |          |          |                  |

| UTILITY<br>NUMBER | SHEET NUMBER | *OWNER                        | INTEREST REQUIRED |
|-------------------|--------------|-------------------------------|-------------------|
| 500               | 4.04, 4.03   | WE ENERGIES ELECTRIC          | RELEASE OF RIGHTS |
| 504               | 4.04         | AT&T WISCONSIN                | RELEASE OF RIGHTS |
| 505               | 4.04         | AMERICAN TRANSMISSION COMPANY | RELEASE OF RIGHTS |
| 506               | 4.04         | AT&T CORPORATION              | RELEASE OF RIGHTS |
| 507               | 4.07         | CHARTER                       | RELEASE OF RIGHTS |
| 513               | 4.07         | SPRINT                        | RELEASE OF RIGHTS |





BEGINNING OF  
PROJECT  
2773-10-70  
STATION 133+75  
Y = 151677.565  
X = 689510.465

END OF PROJECT  
2773-10-70  
STATION 236+75  
Y = 161458.466  
X = 691614.774

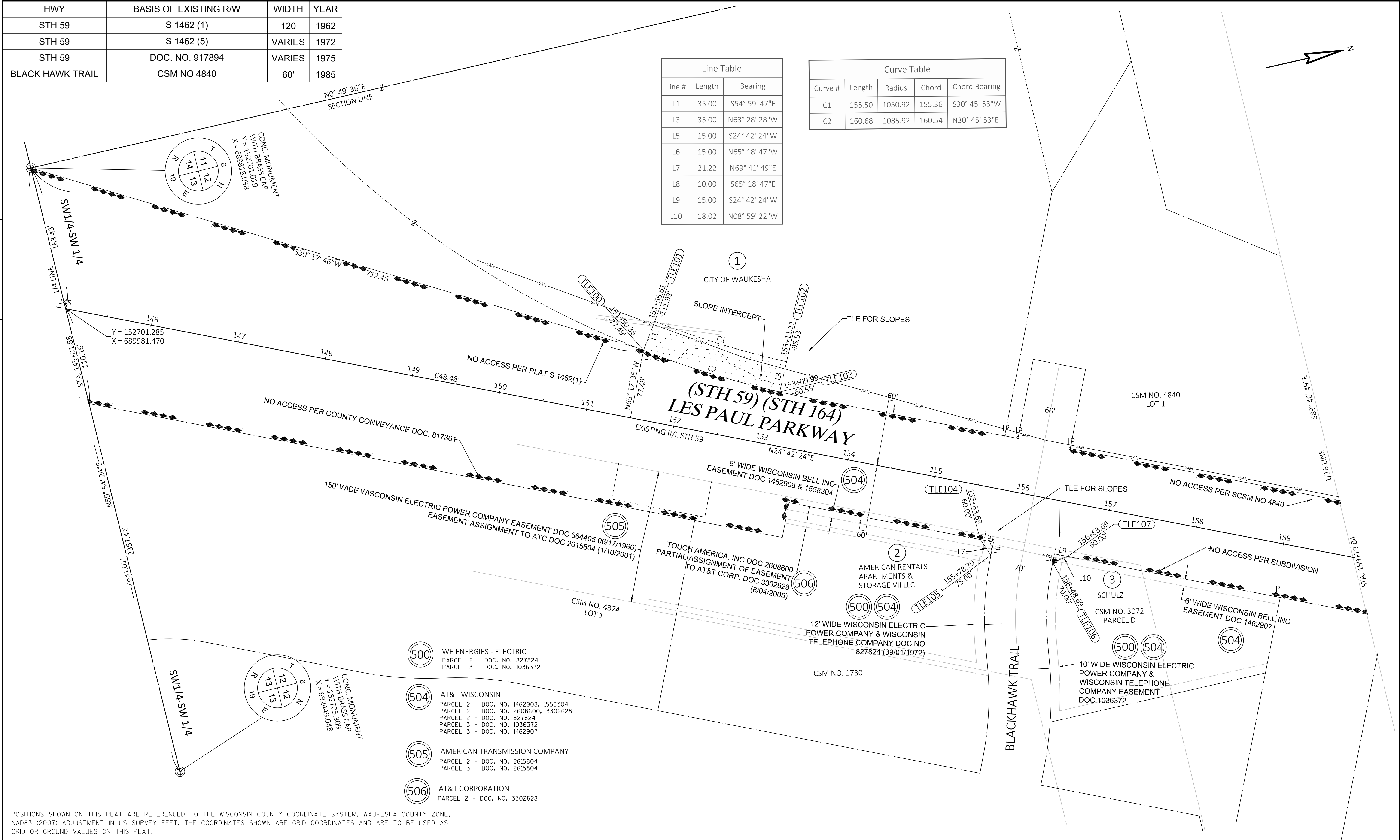
|                                          |                                   |                                  |                                 |                                                                               |                                     |   |
|------------------------------------------|-----------------------------------|----------------------------------|---------------------------------|-------------------------------------------------------------------------------|-------------------------------------|---|
| REVISION DATE<br>_____<br>_____<br>_____ | DATE 04/07/2021<br>_____<br>_____ | SCALE, FEET<br>0 50 100<br>_____ | HWY: STH 59<br>COUNTY: WAUKESHA | STATE R/W PROJECT NUMBER 2773-10-20<br>CONSTRUCTION PROJECT NUMBER 2773-10-01 | PLAT SHEET 4.03<br>PS&E SHEET _____ | E |
|                                          |                                   |                                  |                                 |                                                                               |                                     |   |



| HWY              | BASIS OF EXISTING R/W | WIDTH  | YEAR |
|------------------|-----------------------|--------|------|
| STH 59           | S 1462 (1)            | 120    | 1962 |
| STH 59           | S 1462 (5)            | VARIES | 1972 |
| STH 59           | DOC. NO. 917894       | VARIES | 1975 |
| BLACK HAWK TRAIL | CSM NO 4840           | 60'    | 1985 |

| Line Table |        |               |
|------------|--------|---------------|
| Line #     | Length | Bearing       |
| L1         | 35.00  | S54° 59' 47"E |
| L3         | 35.00  | N63° 28' 28"W |
| L5         | 15.00  | S24° 42' 24"W |
| L6         | 15.00  | N65° 18' 47"W |
| L7         | 21.22  | N69° 41' 49"E |
| L8         | 10.00  | S65° 18' 47"E |
| L9         | 15.00  | S24° 42' 24"W |
| L10        | 18.02  | N08° 59' 22"W |

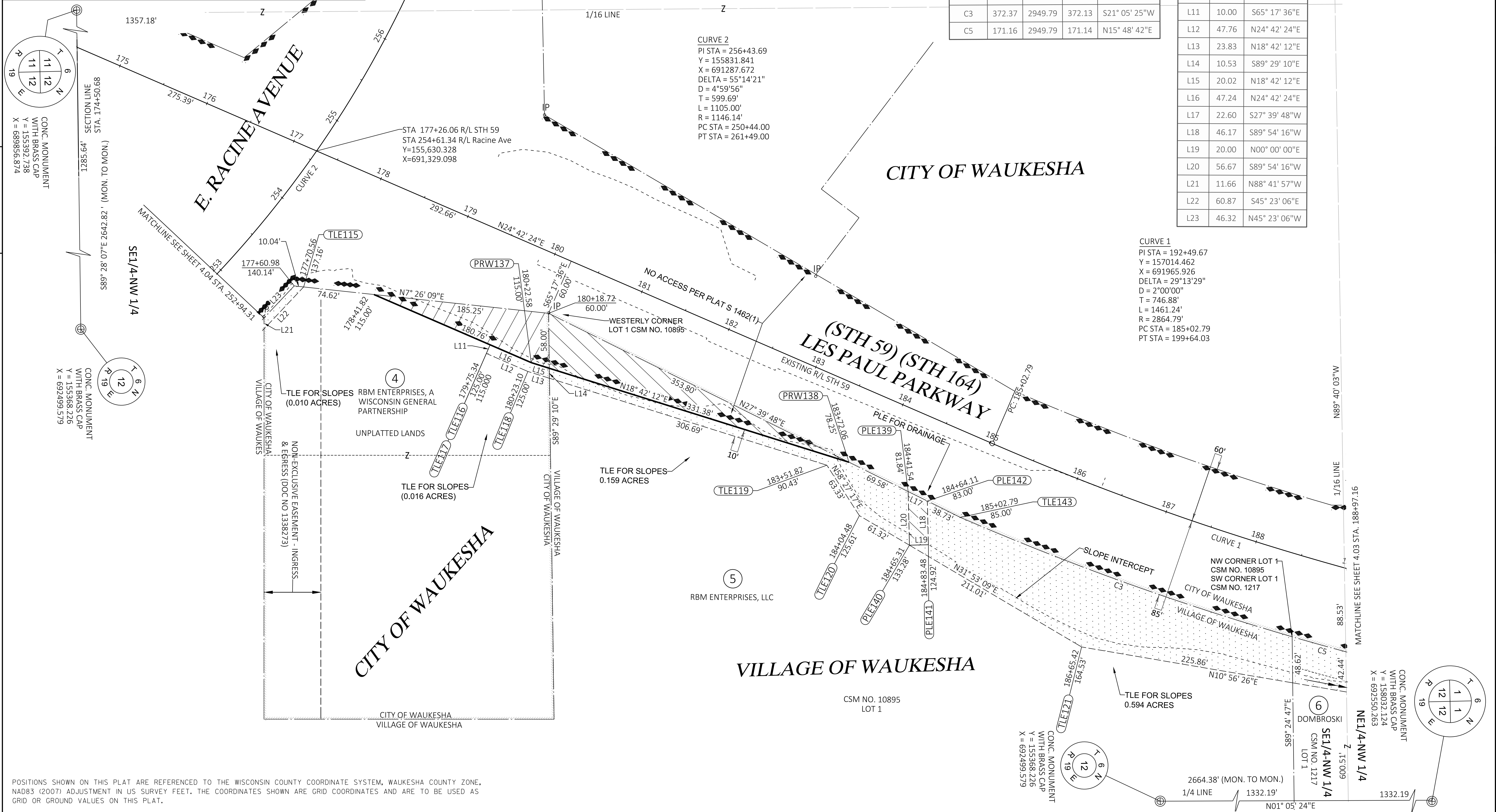
| Curve Table |        |         |        |               |
|-------------|--------|---------|--------|---------------|
| Curve #     | Length | Radius  | Chord  | Chord Bearing |
| C1          | 155.50 | 1050.92 | 155.36 | S30° 45' 53"W |
| C2          | 160.68 | 1085.92 | 160.54 | N30° 45' 53"E |



|               |                 |             |                  |                                        |                 |
|---------------|-----------------|-------------|------------------|----------------------------------------|-----------------|
| REVISION DATE | DATE 04/07/2021 | SCALE, FEET | HWY: STH 59      | STATE R/W PROJECT NUMBER 2773-10-20    | PLAT SHEET 4.04 |
|               | GRID FACTOR     | 0 50 100    | COUNTY: WAUKESHA | CONSTRUCTION PROJECT NUMBER 2773-10-01 | PS&E SHEET      |



| HWY            | BASIS OF EXISTING R/W   | WIDTH  | YEAR |
|----------------|-------------------------|--------|------|
| STH 59         | S 1462 (1)              | VARIES | 1962 |
| STH 59         | 2773-04-21 / 2773-04-22 | VARIES | 1987 |
| E. RACINE AVE. | S0355(1)                | VARIES | 1959 |
|                |                         |        |      |



POSITIONS SHOWN ON THIS PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WAUKESHA COUNTY ZONE, NAD83 (2007) ADJUSTMENT IN US SURVEY FEET. THE COORDINATES SHOWN ARE GRID COORDINATES AND ARE TO BE USED AS GRID OR GROUND VALUES ON THIS PLAT.

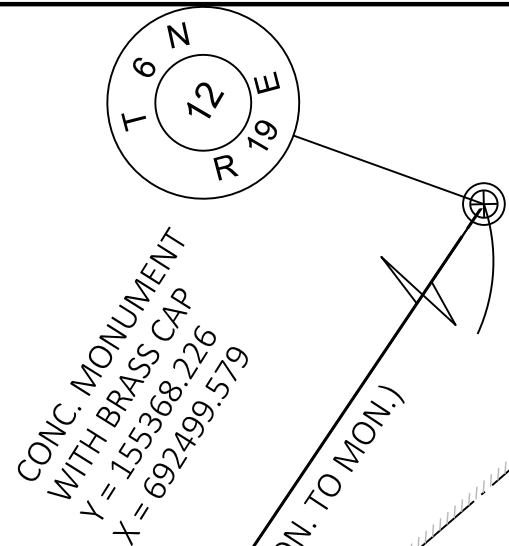
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|---------------|-----------------|-------------|------------------|----------------------------------------|-----------------|
| REVISION DATE | DATE 04/07/2021 | SCALE, FEET | HWY: STH 59      | STATE R/W PROJECT NUMBER 2773-10-20    | PLAT SHEET 4.05 |
|               | GRID FACTOR     | 0 50 100    | COUNTY: WAUKESHA | CONSTRUCTION PROJECT NUMBER 2773-10-01 | PS&E SHEET      |







| HWY            | BASIS OF EXISTING R/W | WIDTH  | YEAR |
|----------------|-----------------------|--------|------|
| E. RACINE AVE. | S0355(1)              | VARIES | 1959 |
|                |                       |        |      |
|                |                       |        |      |
|                |                       |        |      |



| Curve Table |        |         |       |               |
|-------------|--------|---------|-------|---------------|
| Curve #     | Length | Radius  | Chord | Chord Bearing |
| C26         | 57.76  | 1146.14 | 57.75 | S34° 29' 04"E |

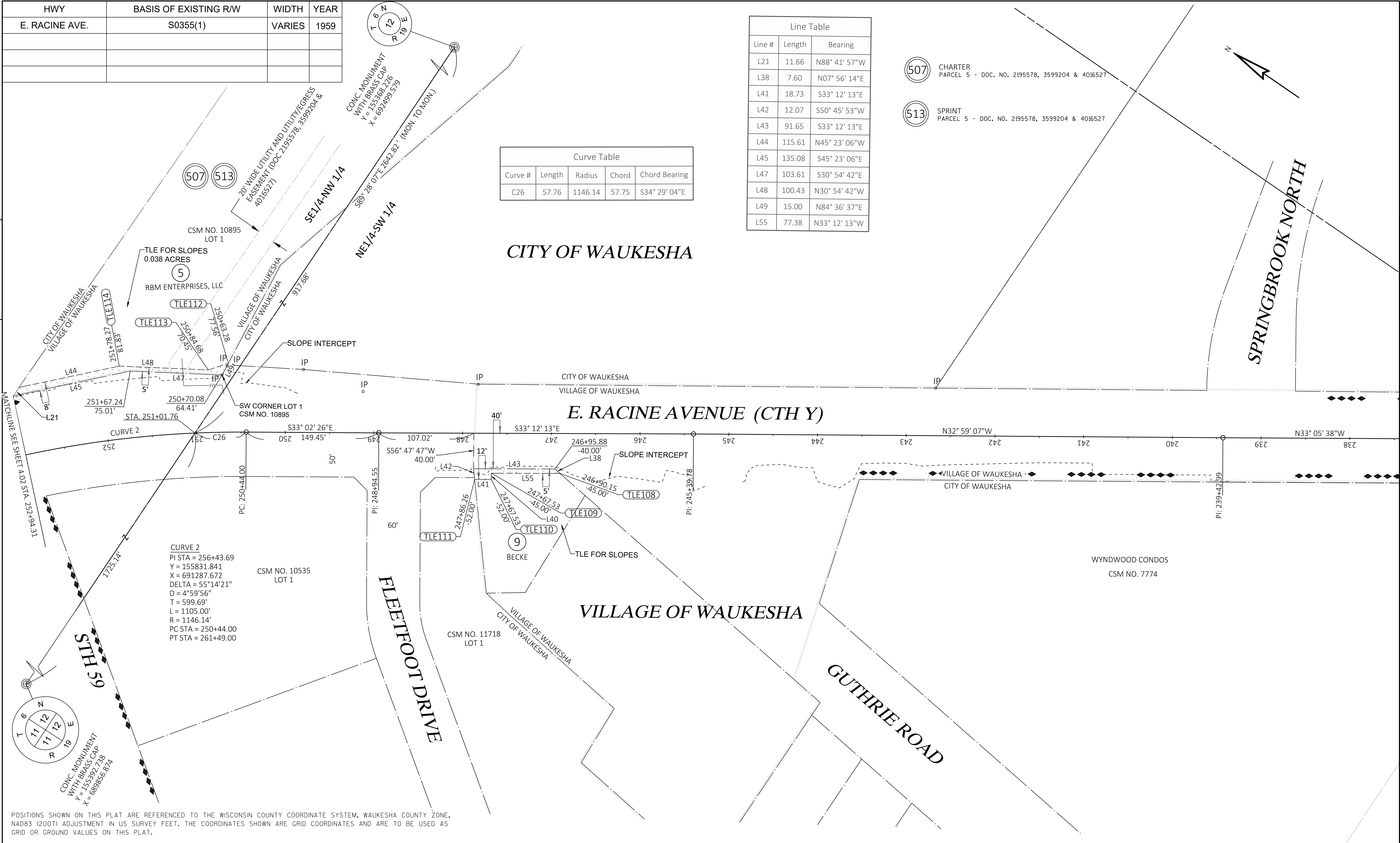
| Line Table |        |               |
|------------|--------|---------------|
| Line #     | Length | Bearing       |
| L21        | 11.66  | N88° 41' 57"W |
| L38        | 7.60   | N07° 56' 14"E |
| L41        | 18.73  | S33° 12' 13"E |
| L42        | 12.07  | S50° 45' 53"W |
| L43        | 91.65  | S33° 12' 13"E |
| L44        | 115.61 | N45° 23' 06"W |
| L45        | 135.08 | S45° 23' 06"E |
| L47        | 103.61 | S30° 54' 42"E |
| L48        | 100.43 | N30° 54' 42"W |
| L49        | 15.00  | N84° 36' 37"E |
| L55        | 77.38  | N33° 12' 13"W |

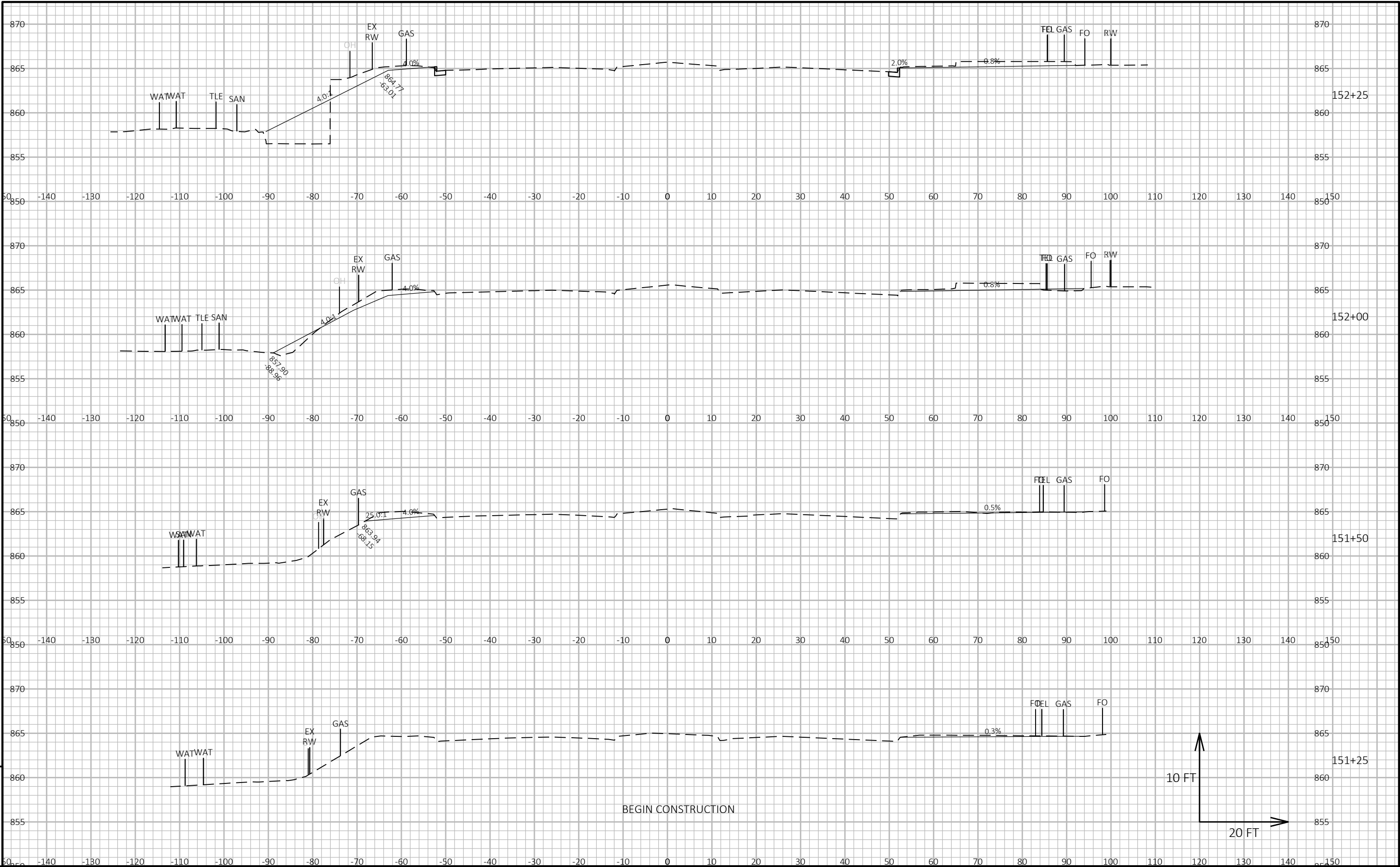
507

CHARTER  
PARCEL 5 - DOC. NO. 2195578, 3599204 & 4016527

513

SPRINT  
PARCEL 5 - DOC. NO. 2195578, 3599204 & 4016527

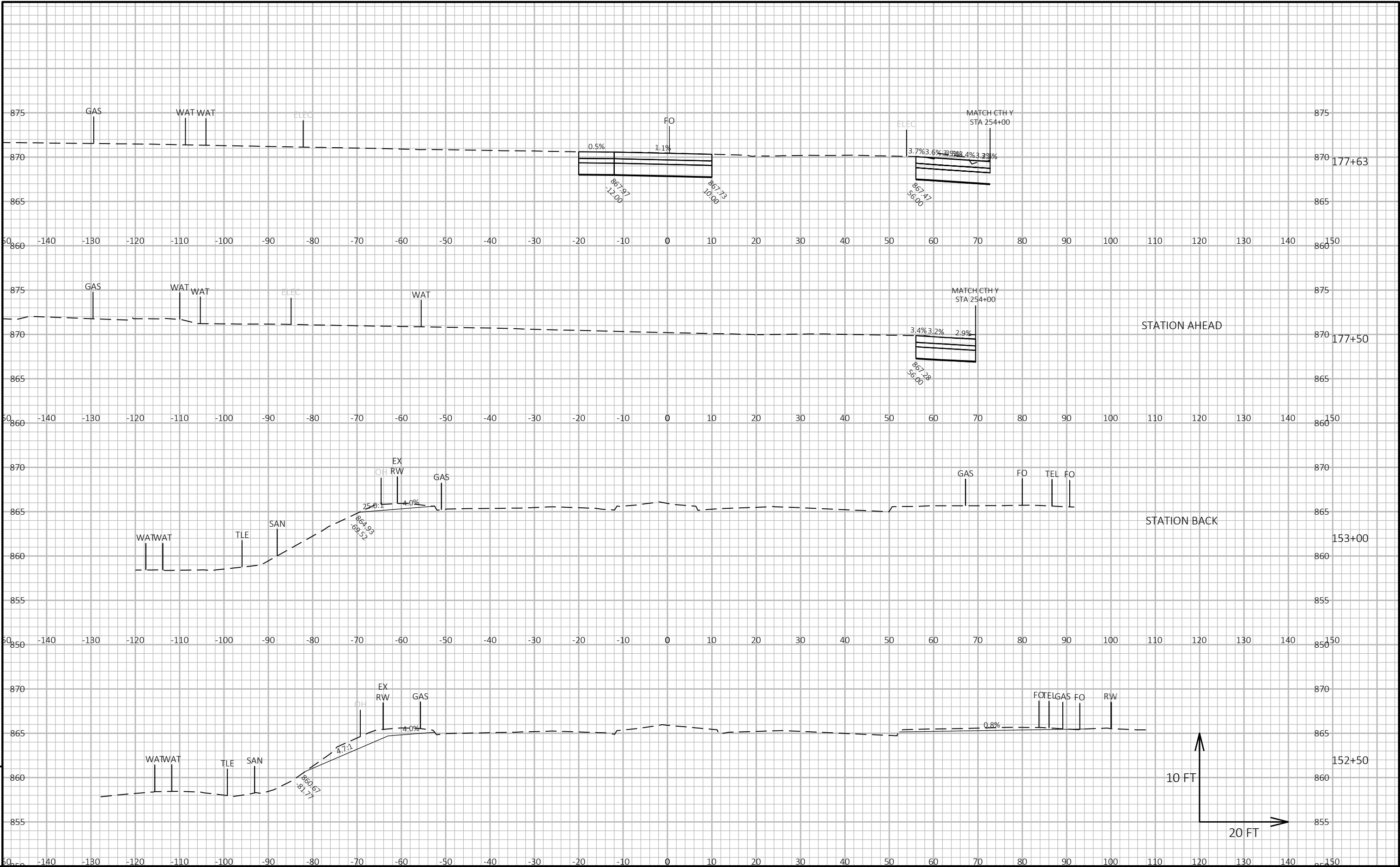




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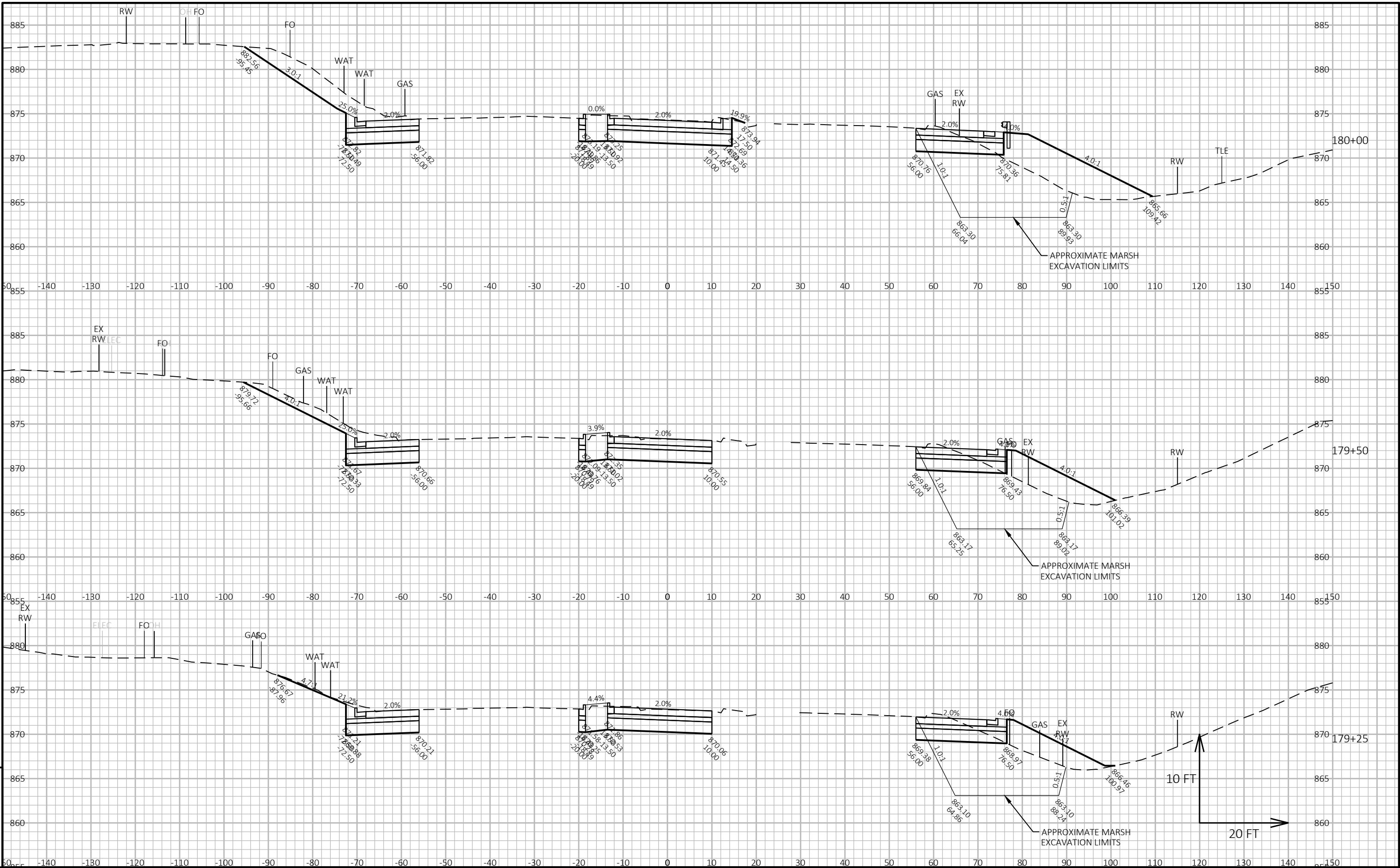
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|                        |             |                  |                        |       |   |
|------------------------|-------------|------------------|------------------------|-------|---|
| PROJECT NO: 2773-10-71 | HWY: STH 59 | COUNTY: WAUKESHA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



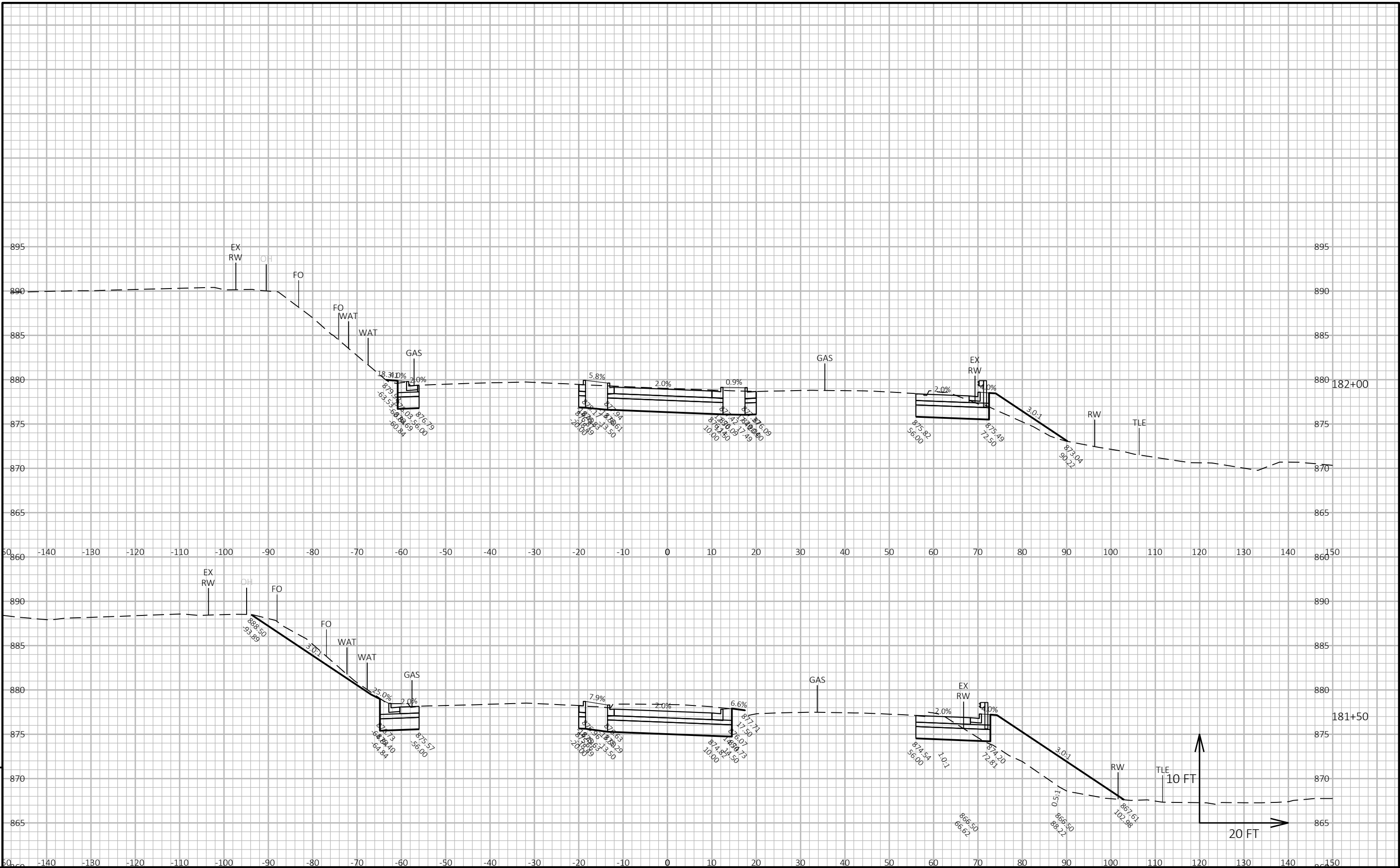


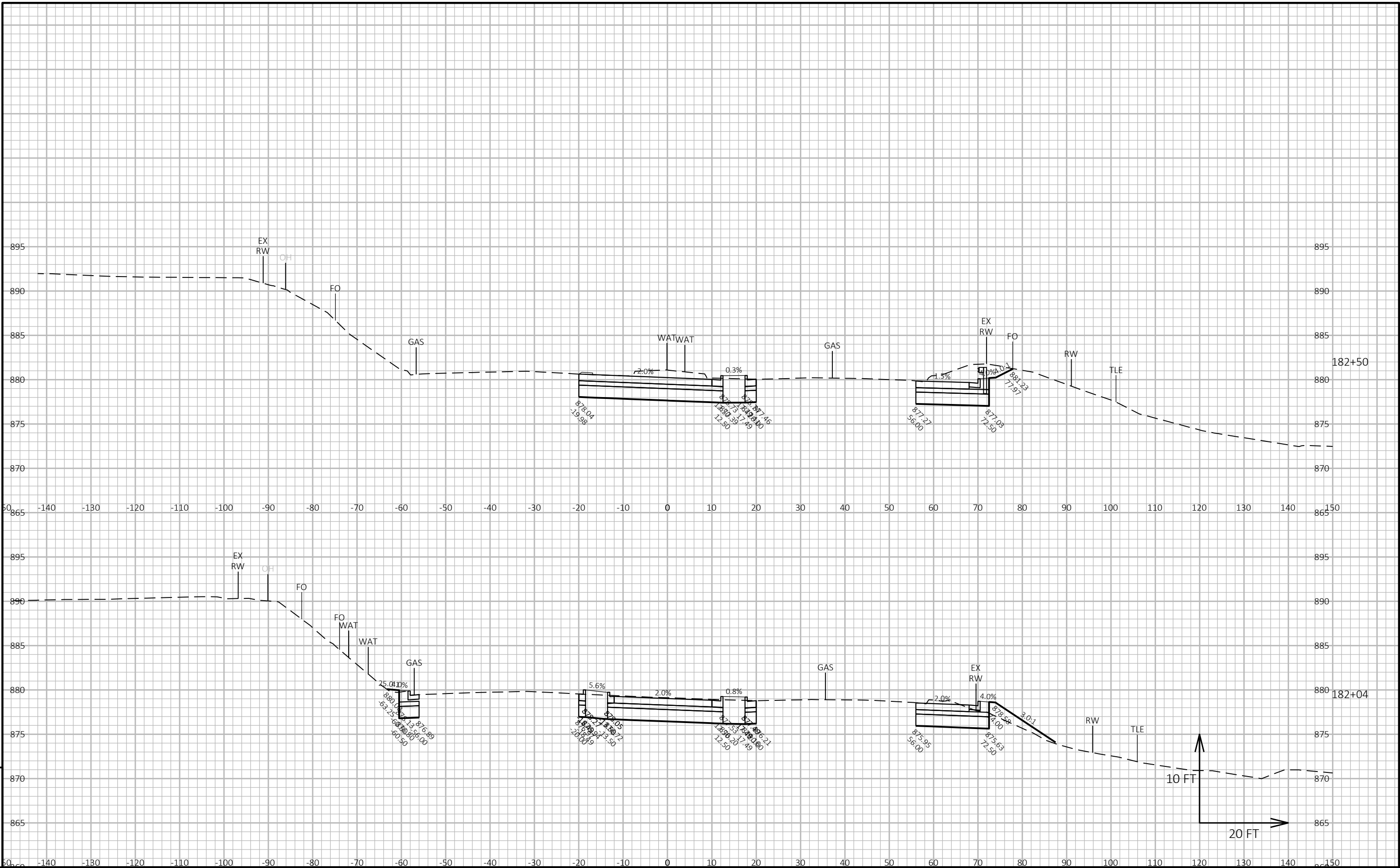


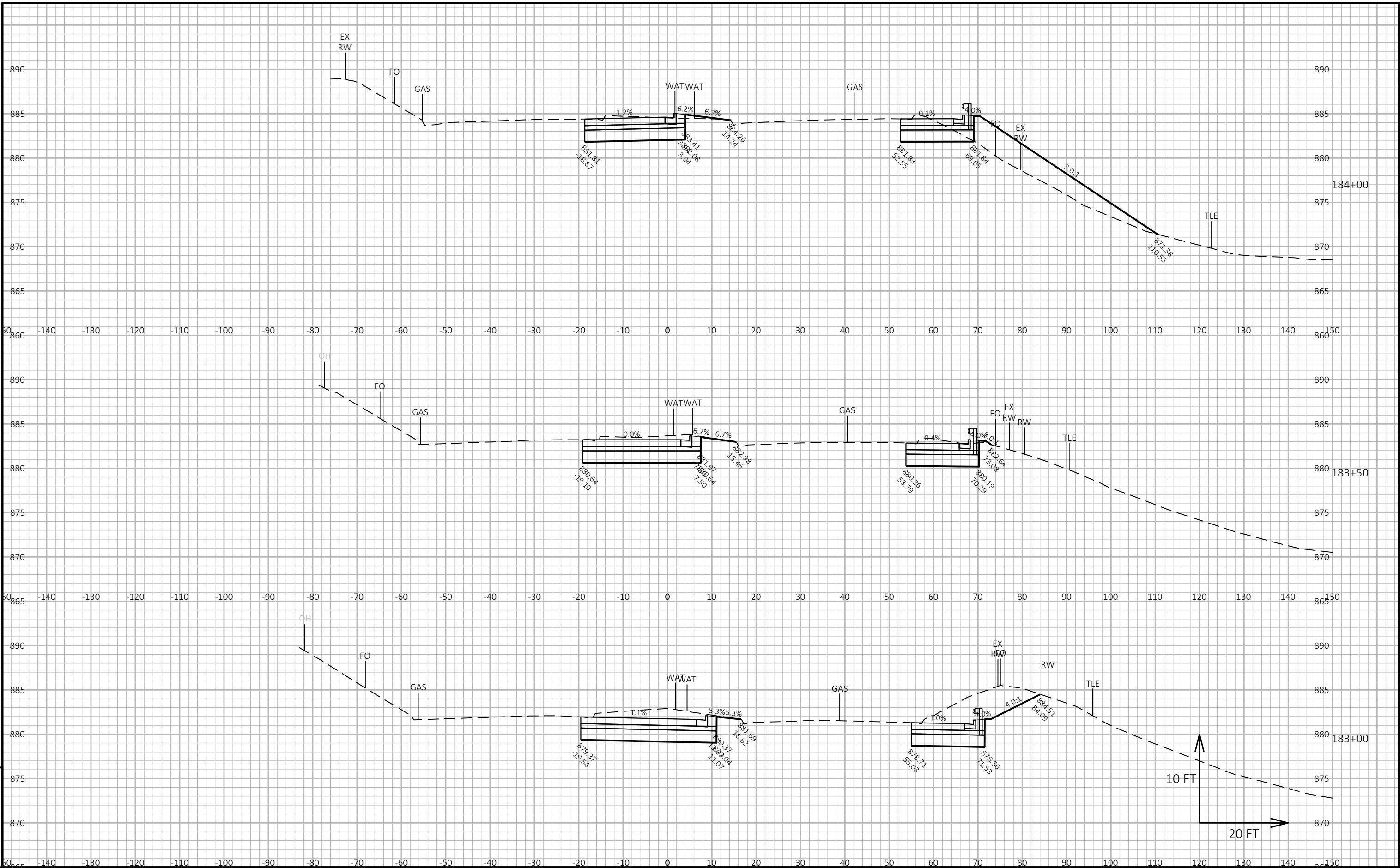


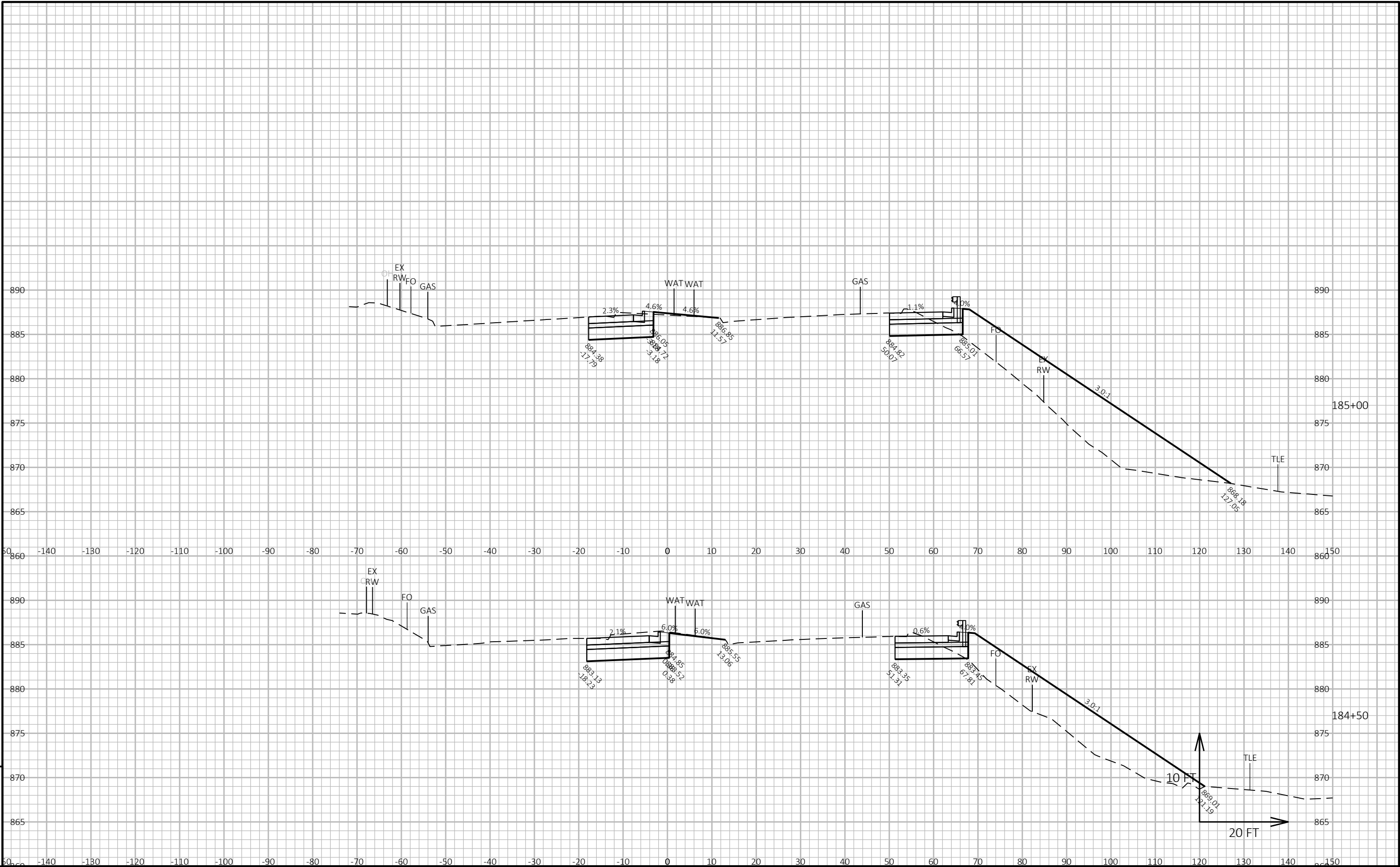


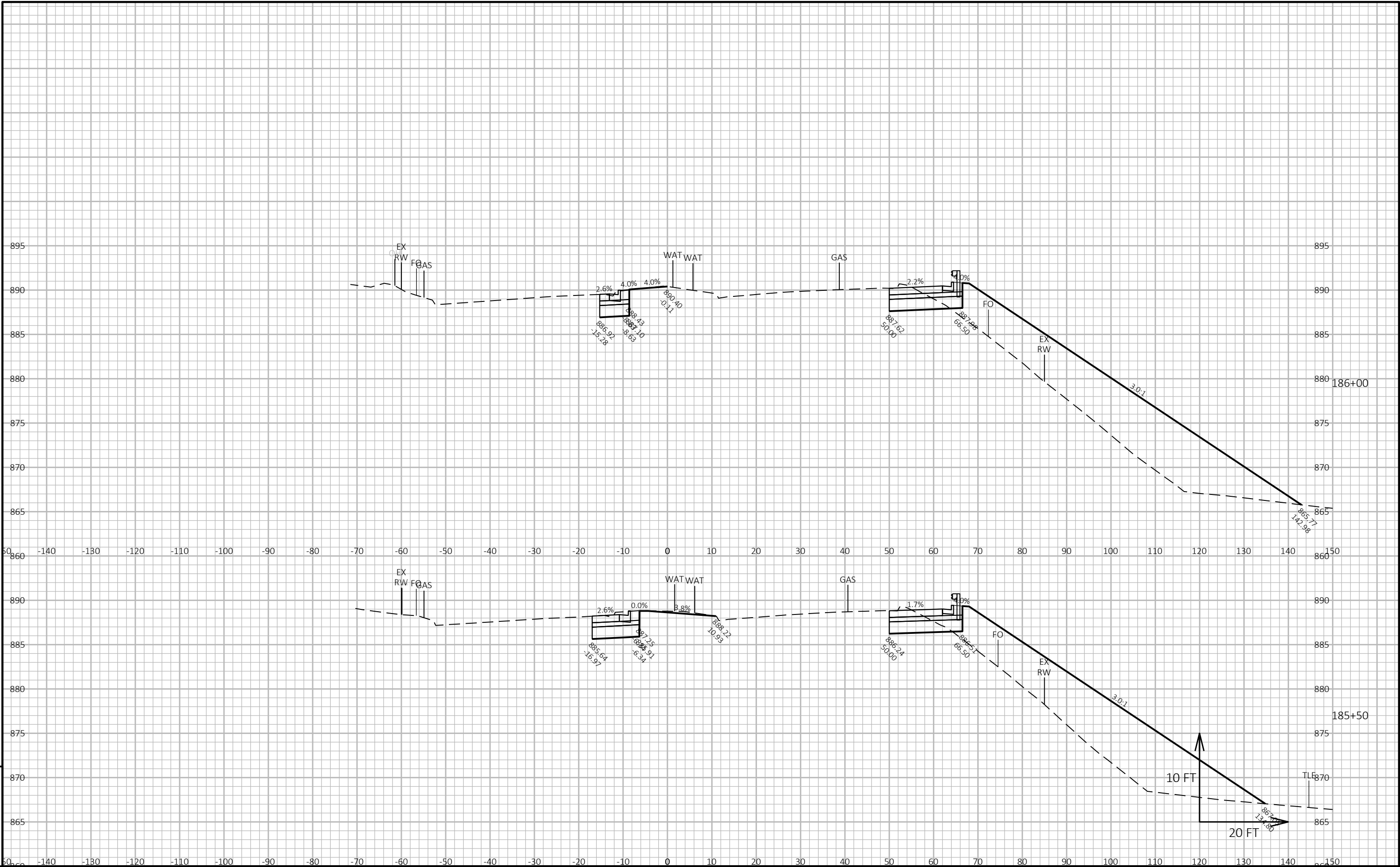


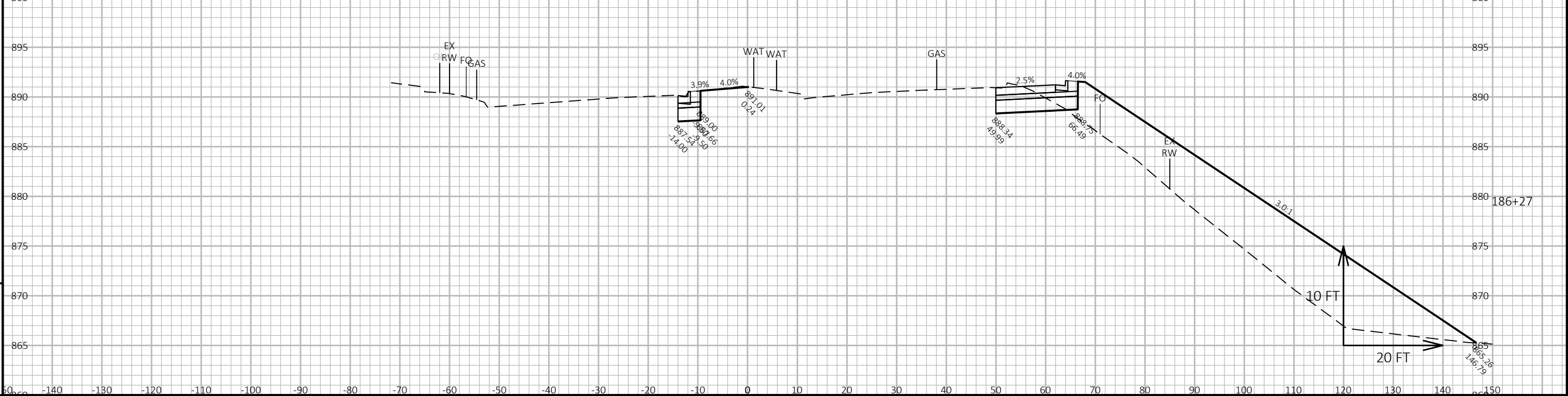
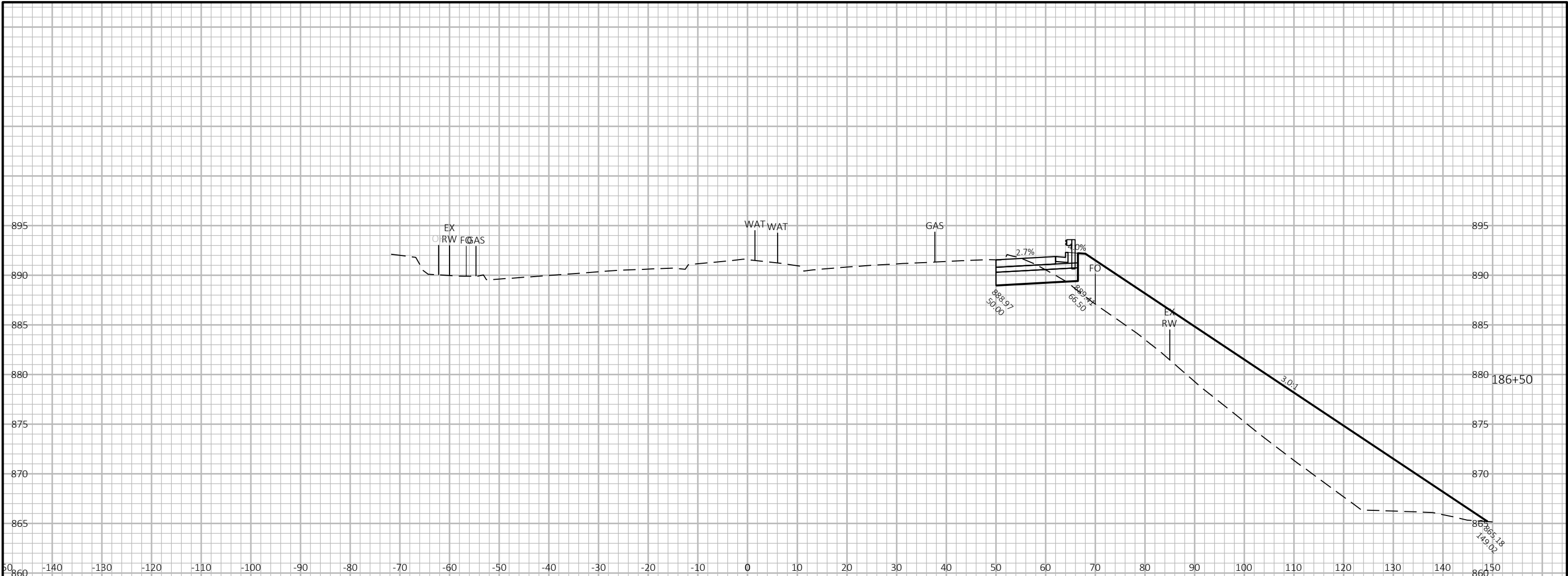






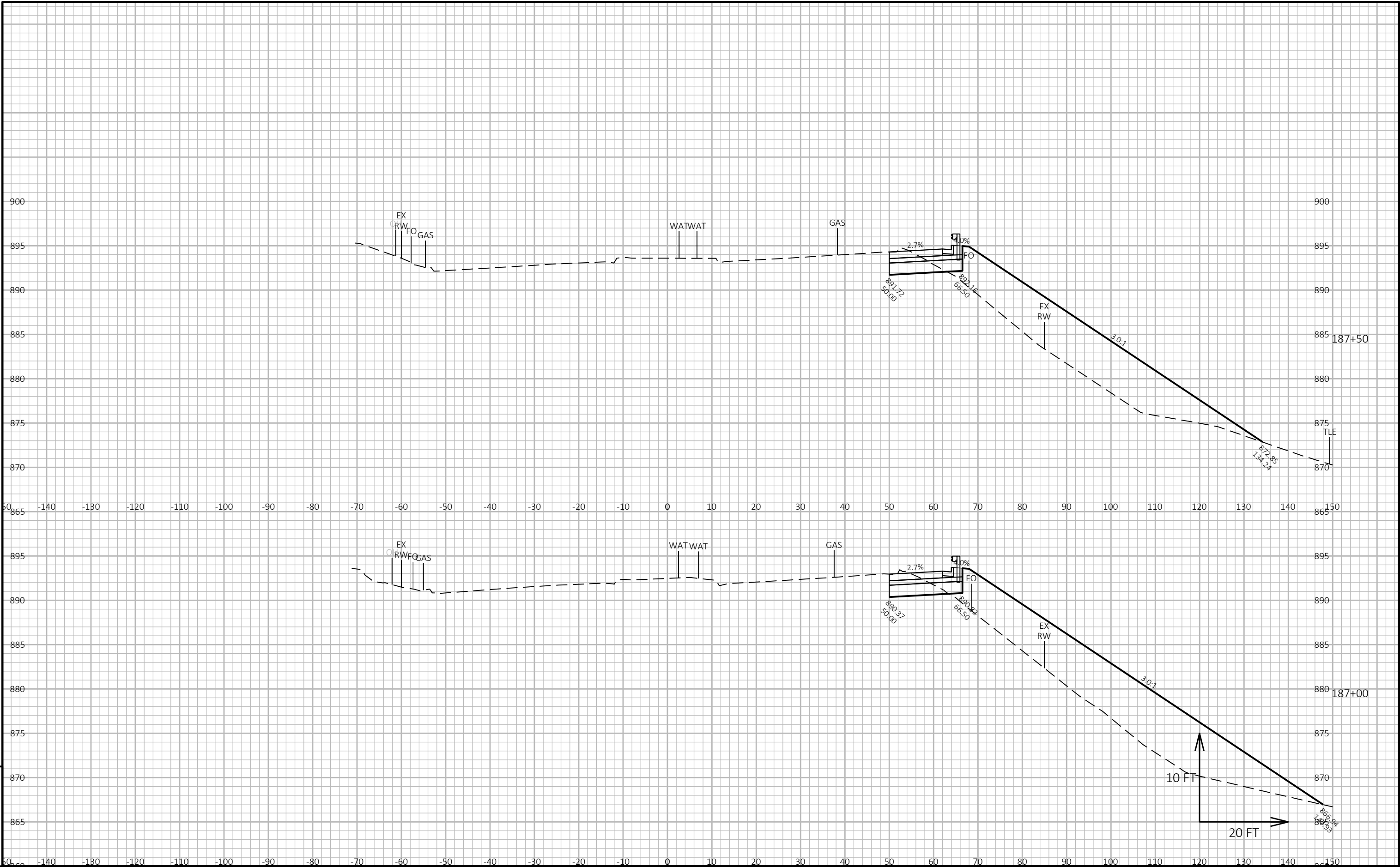




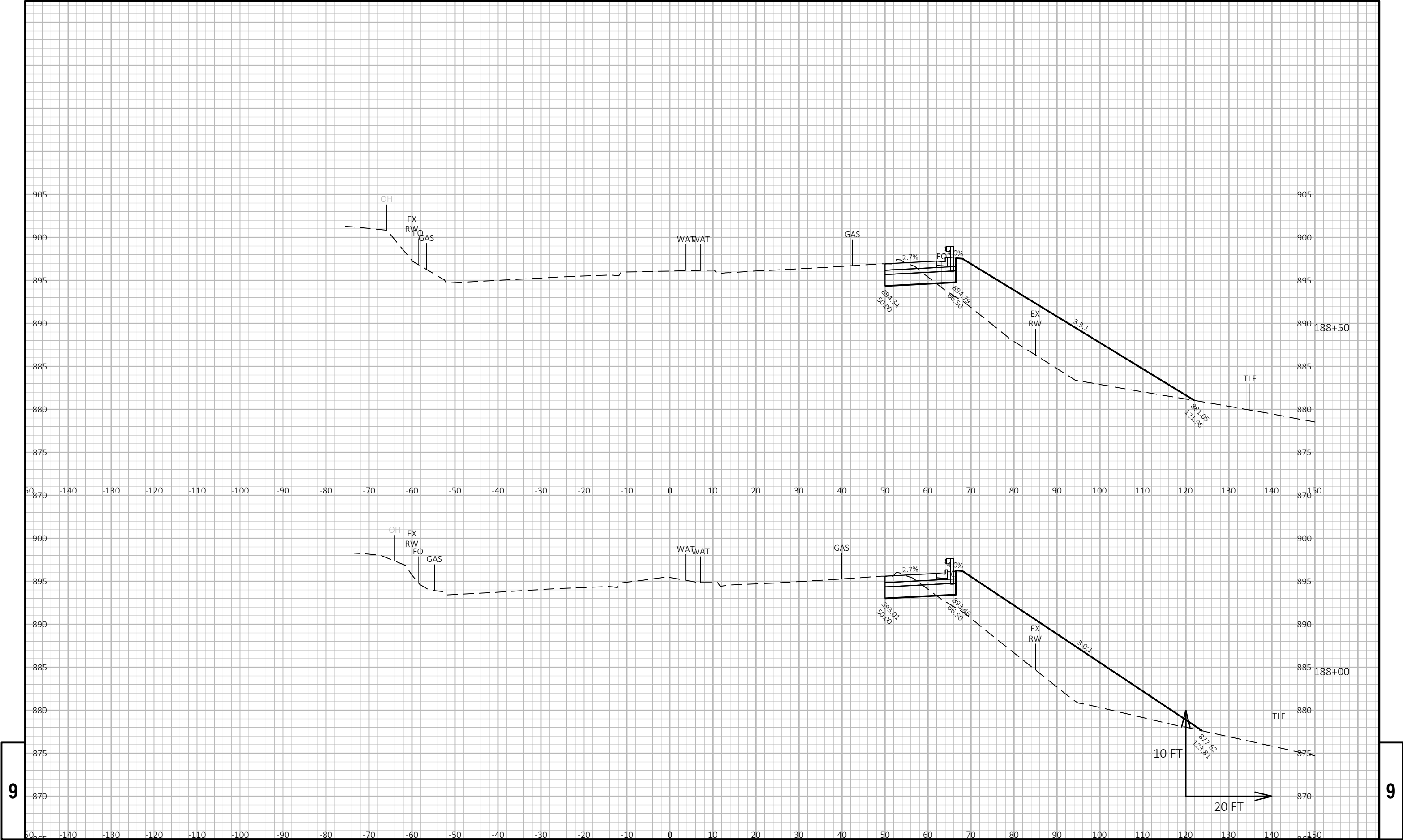


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|------------------------|-------------|------------------|------------------------|-------|---|
| PROJECT NO: 2773-10-71 | HWY: STH 59 | COUNTY: WAUKESHA | CROSS SECTIONS: STH 59 | SHEET | E |
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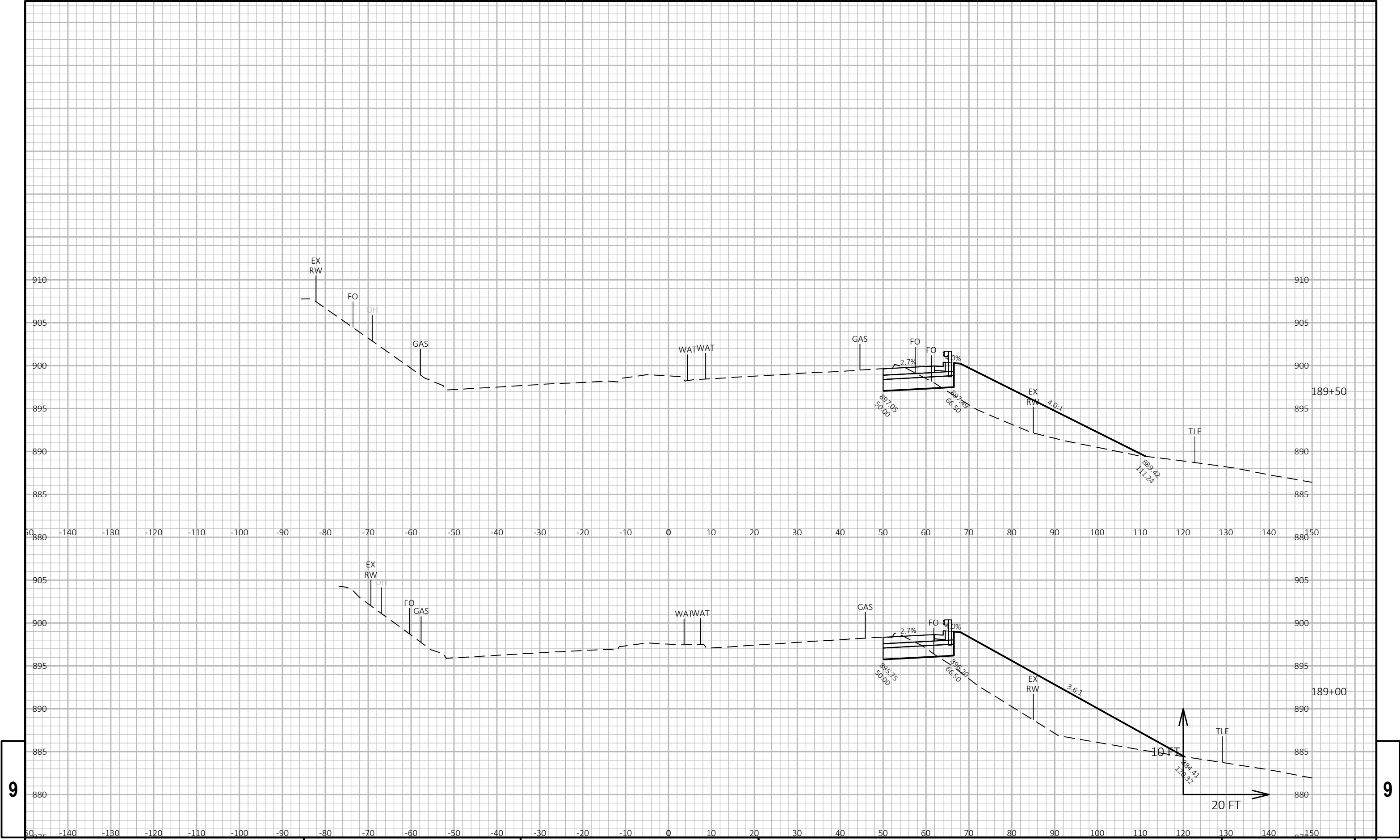




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|                        |             |                  |                        |         |
|------------------------|-------------|------------------|------------------------|---------|
| PROJECT NO: 2773-10-71 | HWY: STH 59 | COUNTY: WAUKESHA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

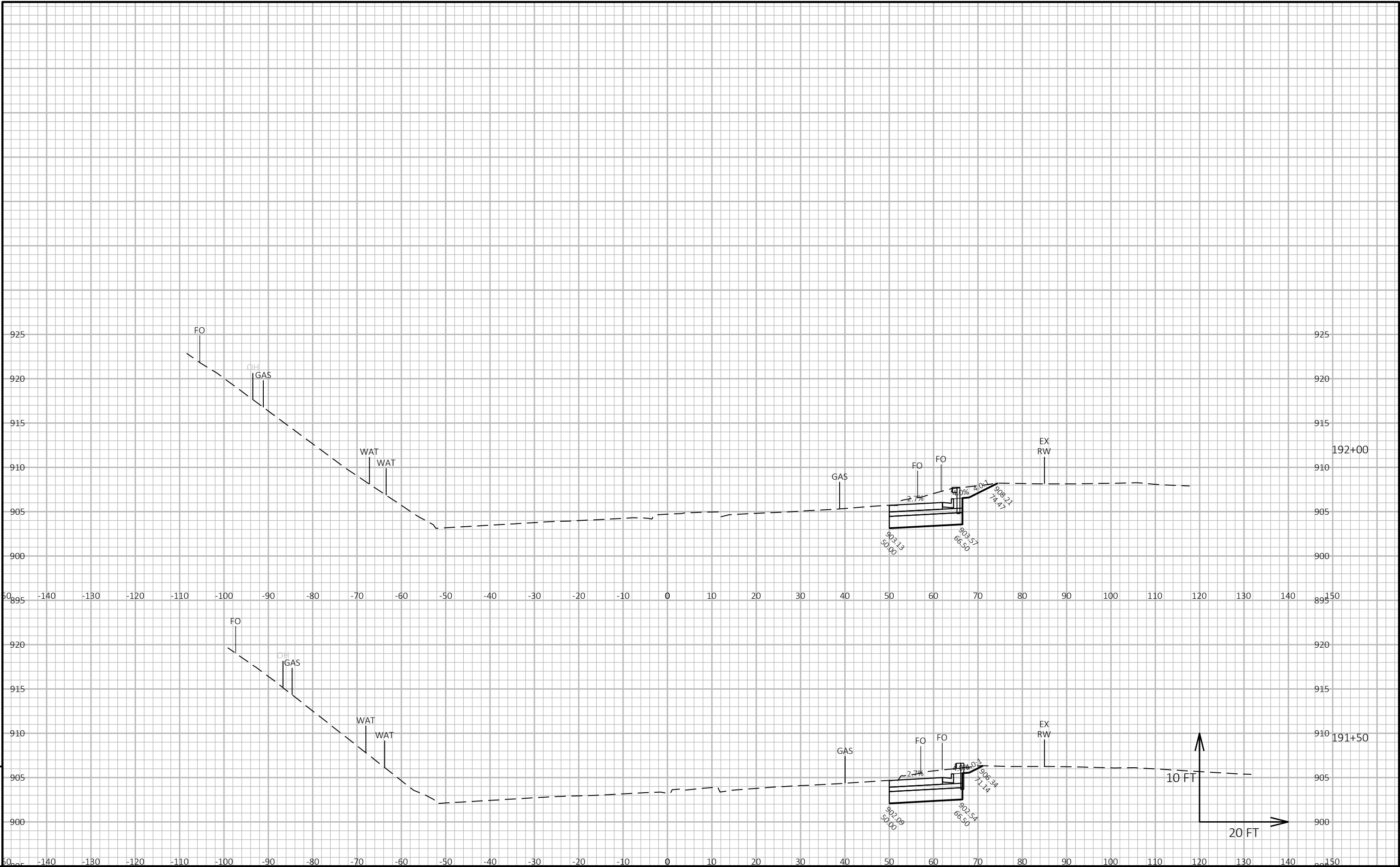


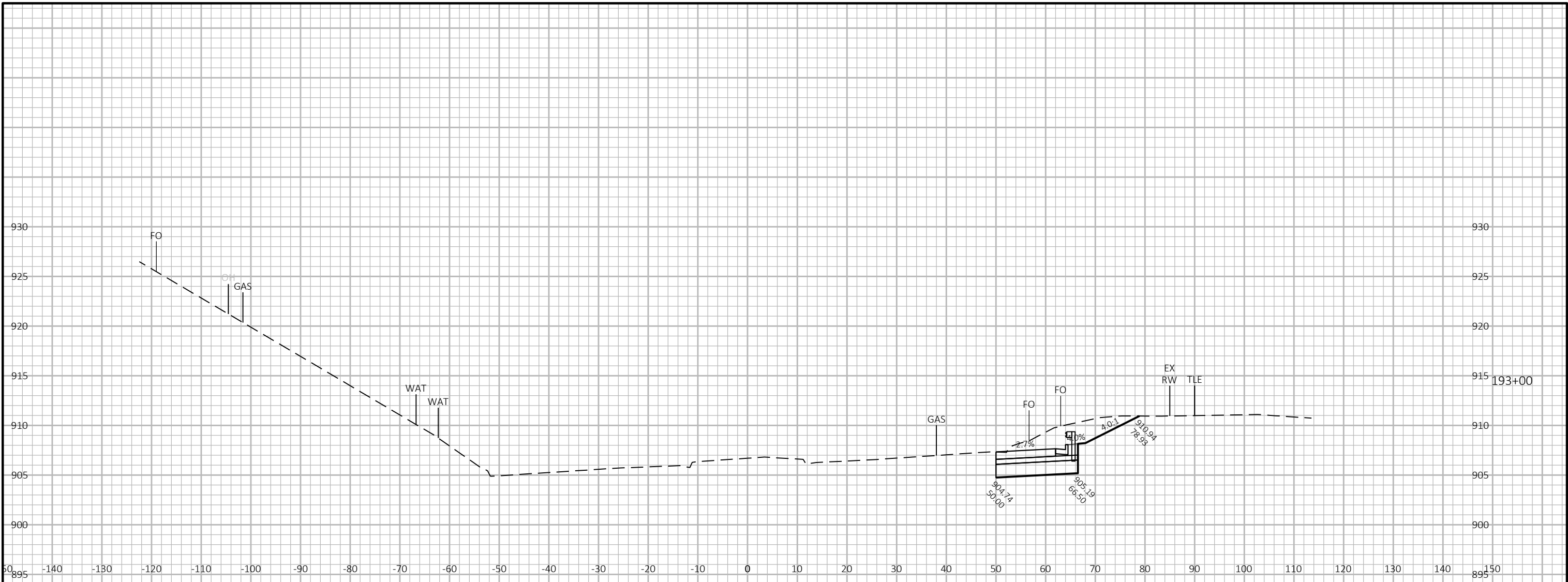
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|                        |             |                  |                        |         |
|------------------------|-------------|------------------|------------------------|---------|
| PROJECT NO: 2773-10-71 | HWY: STH 59 | COUNTY: WAUKESHA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



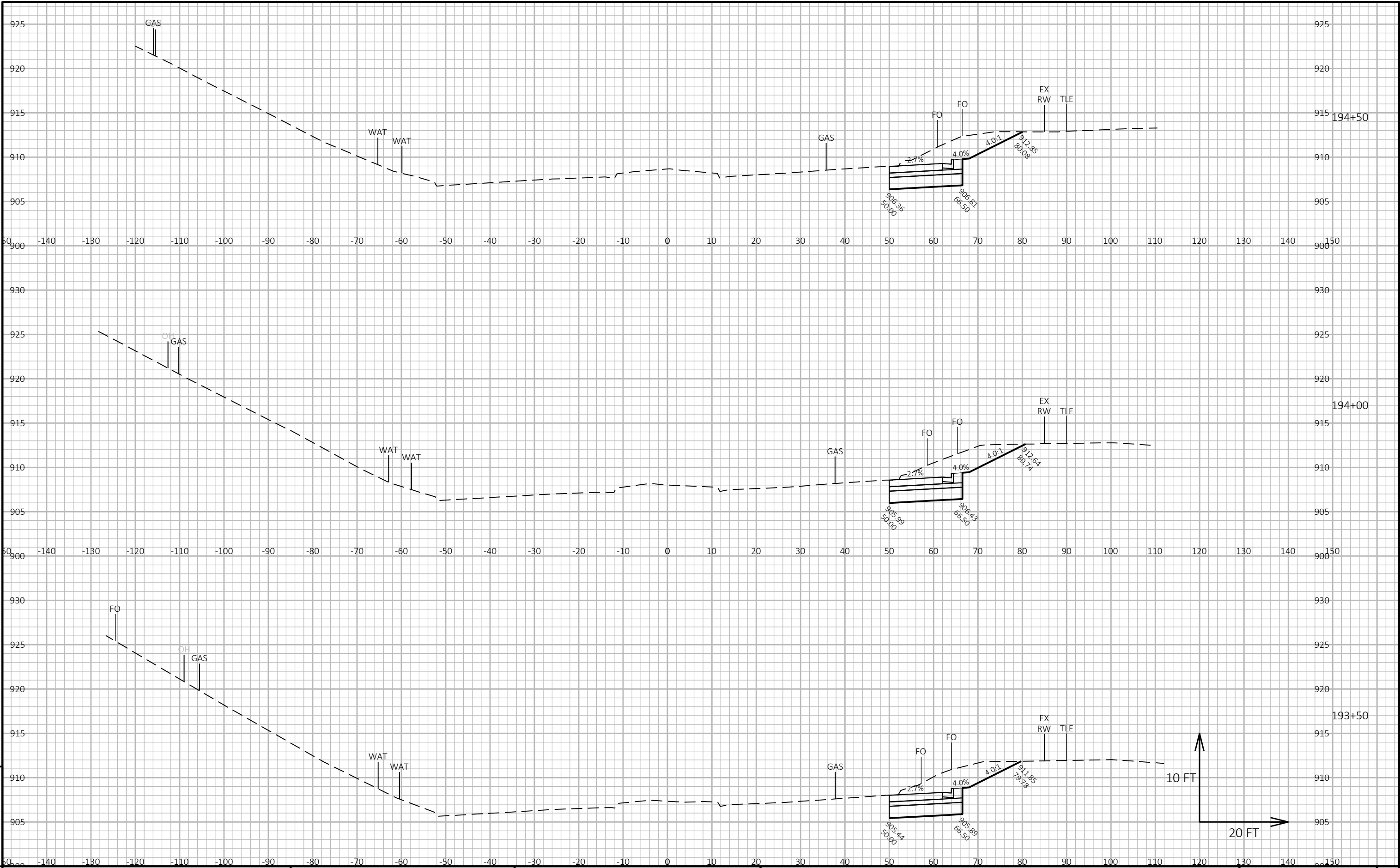




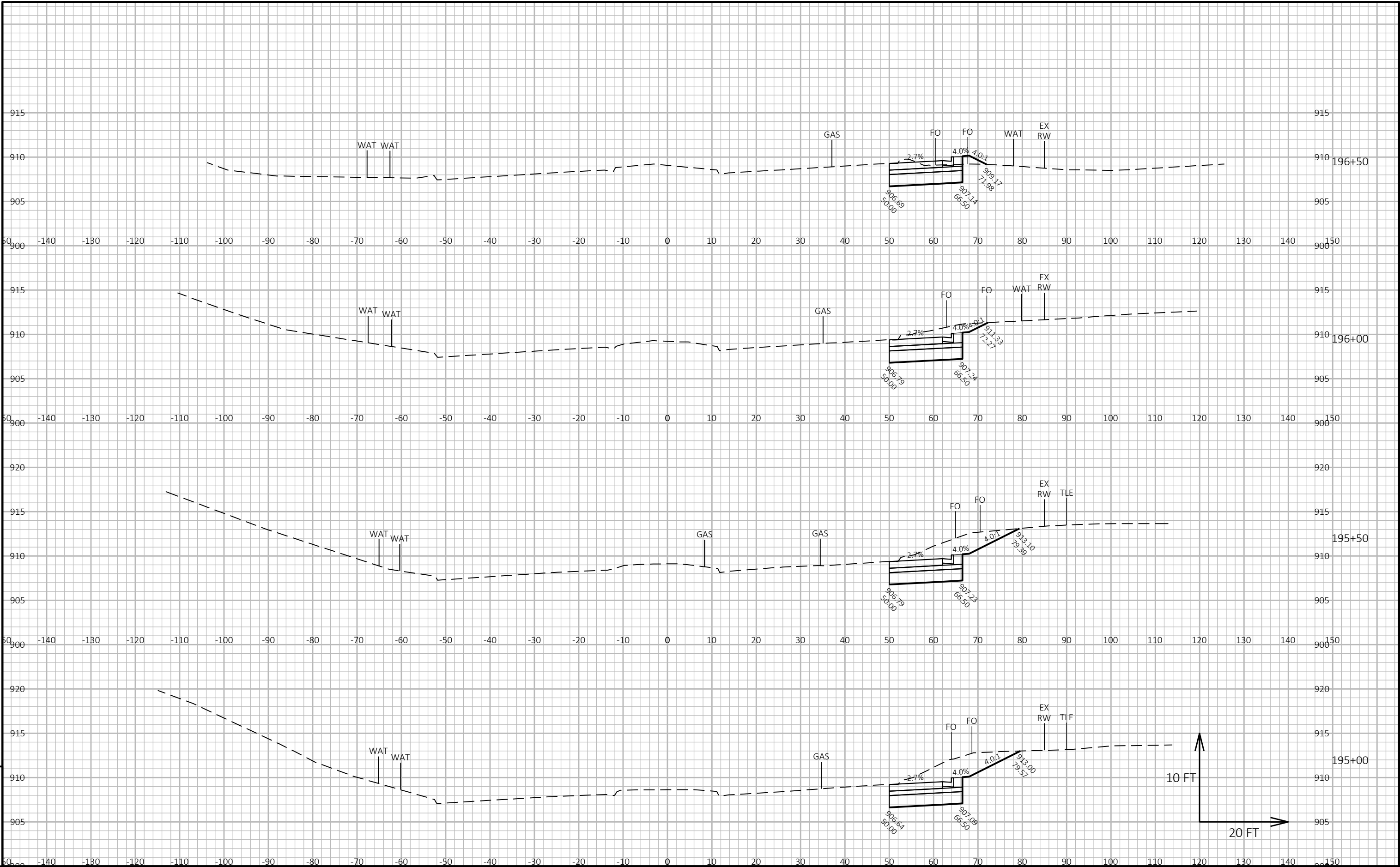
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|                        |             |                  |                        |         |
|------------------------|-------------|------------------|------------------------|---------|
| PROJECT NO: 2773-10-71 | HWY: STH 59 | COUNTY: WAUKESHA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

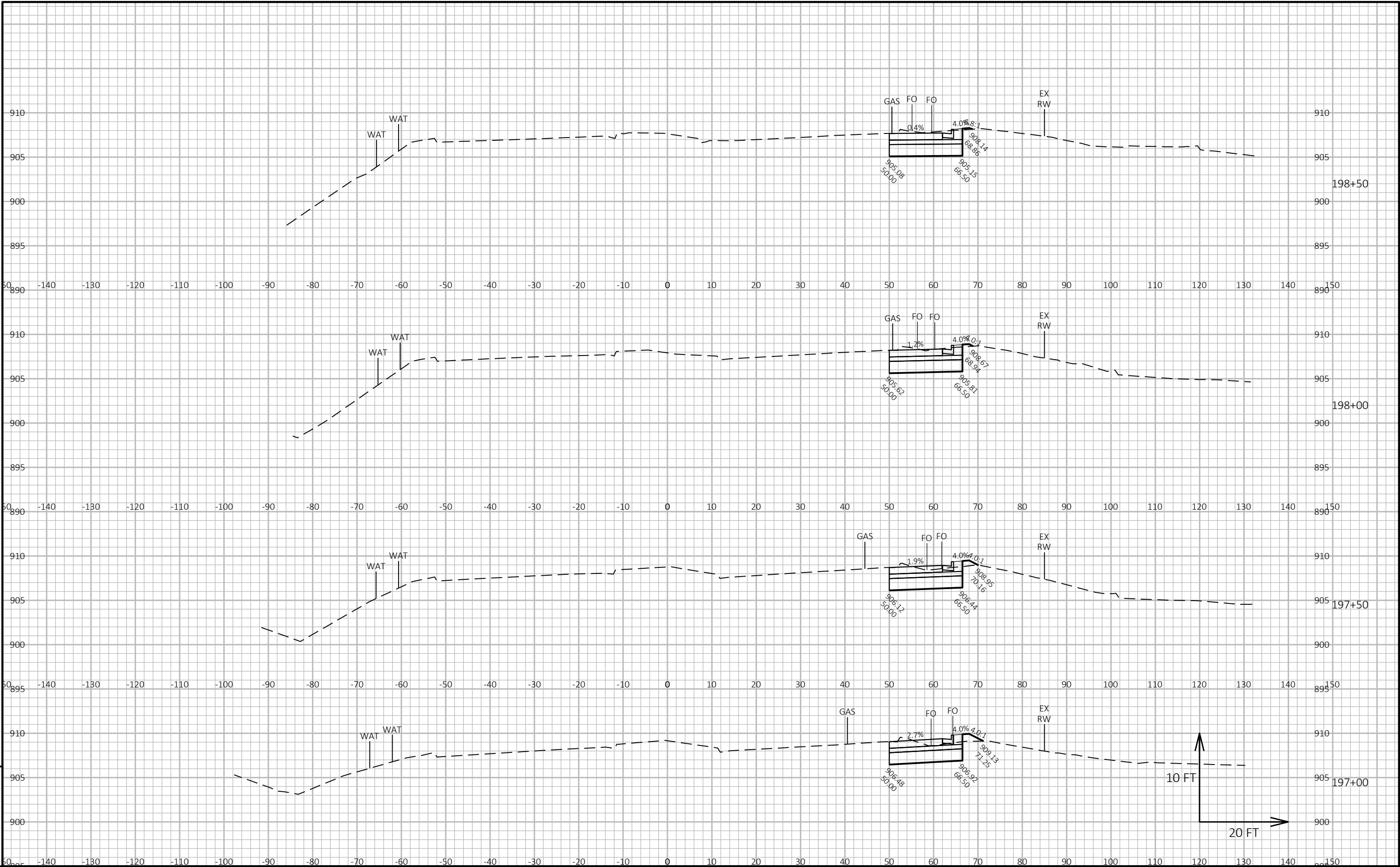


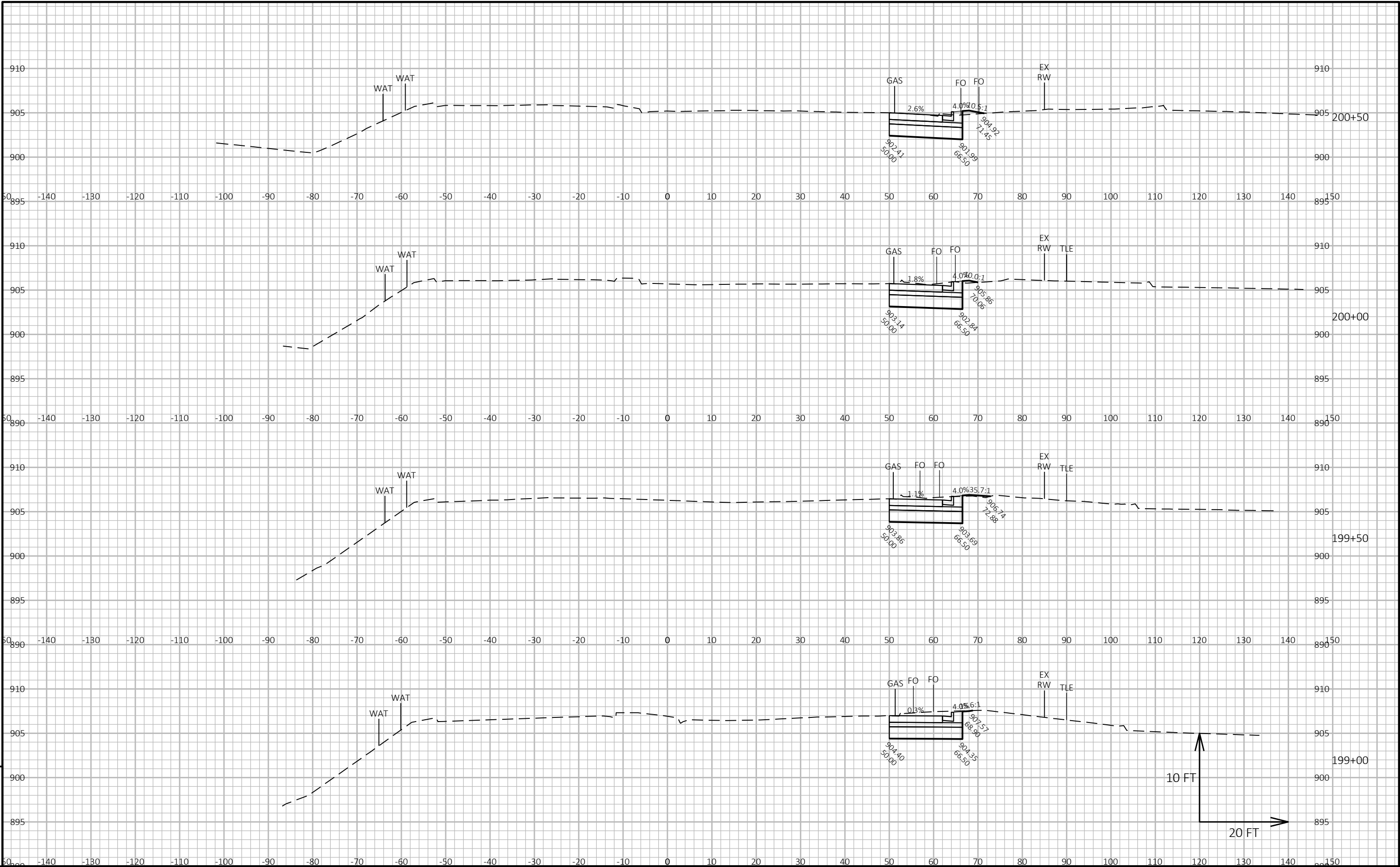




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|------------------------|-------------|------------------|------------------------|-------|---|
| PROJECT NO: 2773-10-71 | HWY: STH 59 | COUNTY: WAUKESHA | CROSS SECTIONS: STH 59 | SHEET | E |
|------------------------|-------------|------------------|------------------------|-------|---|

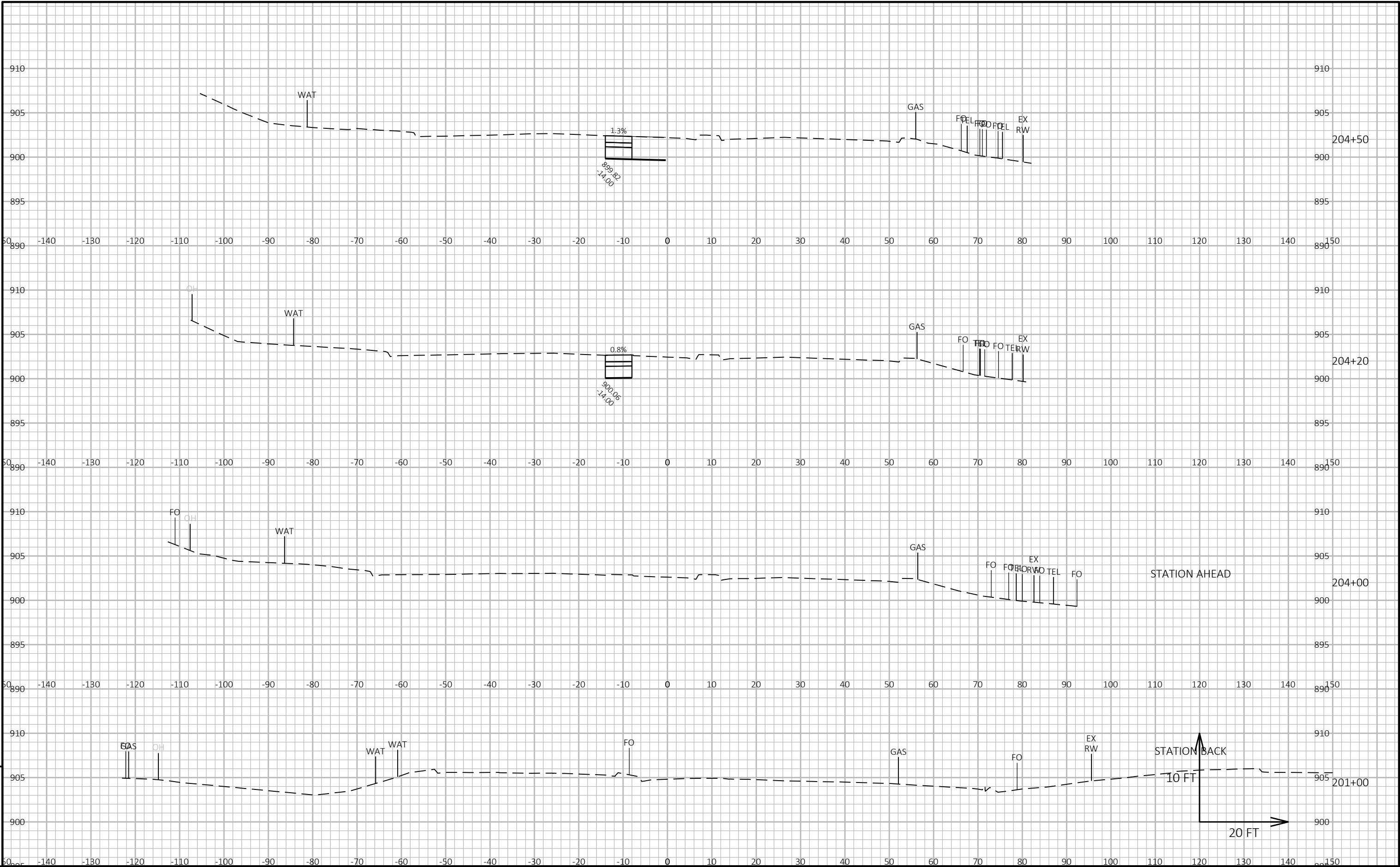




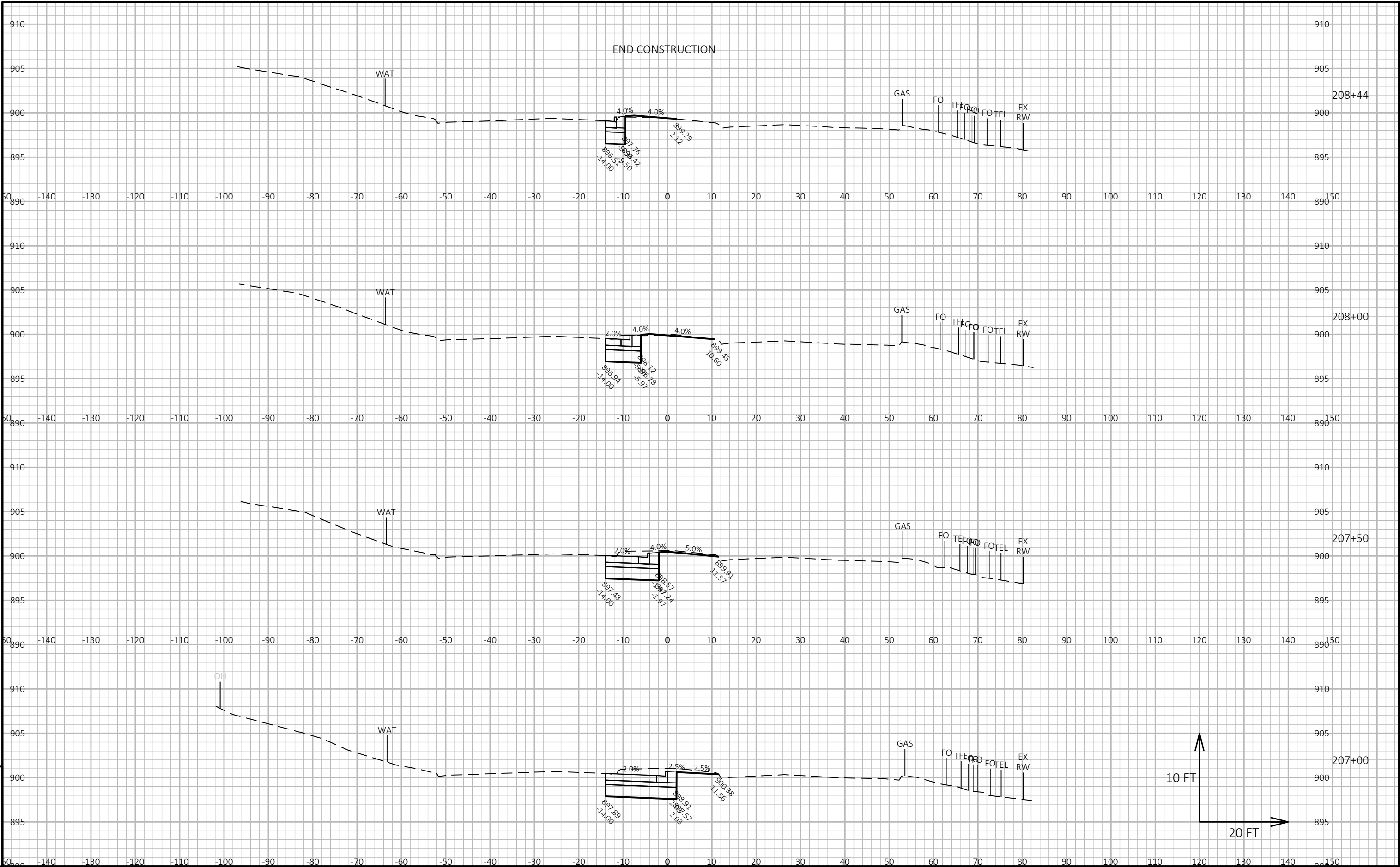


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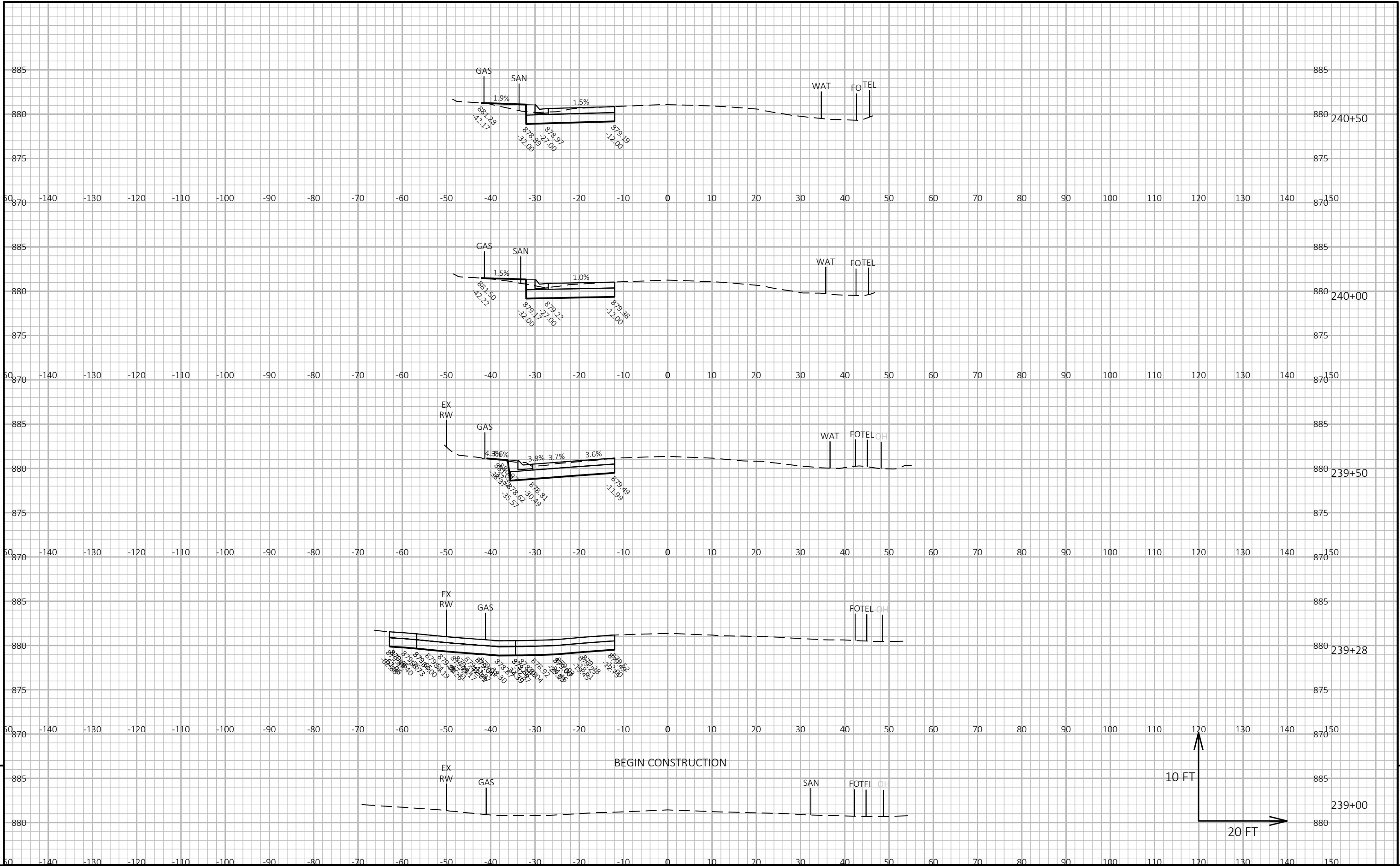




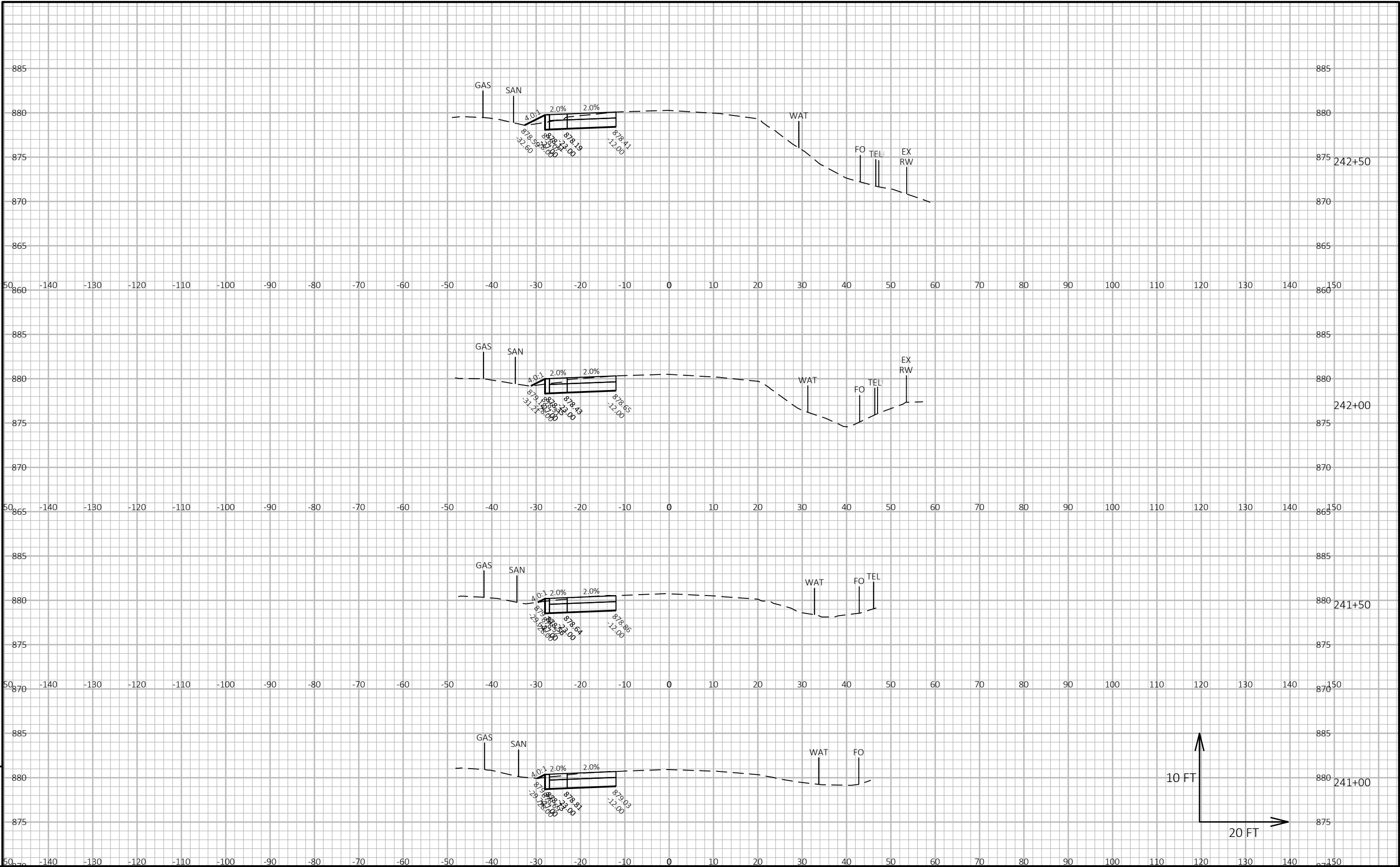


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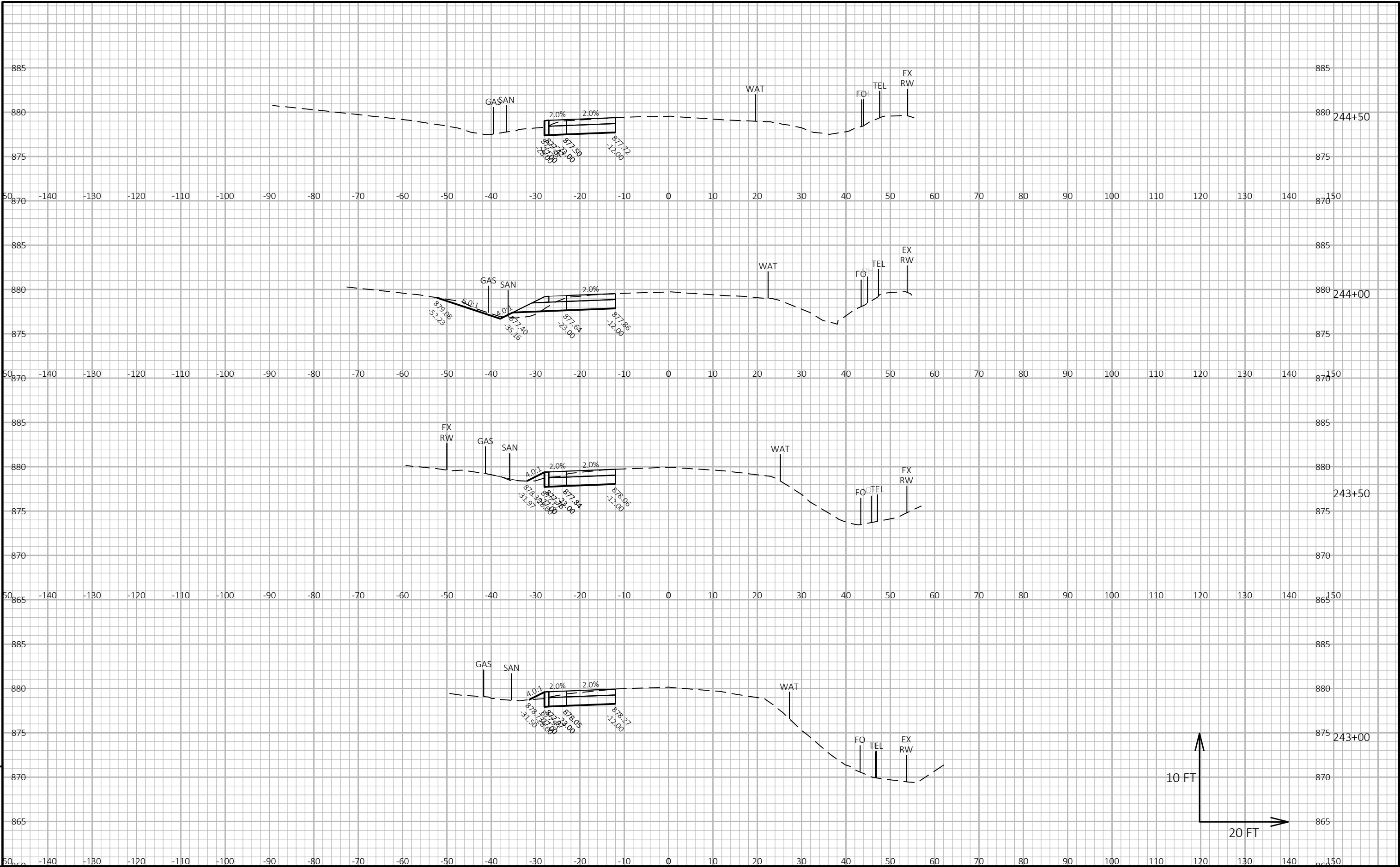
9





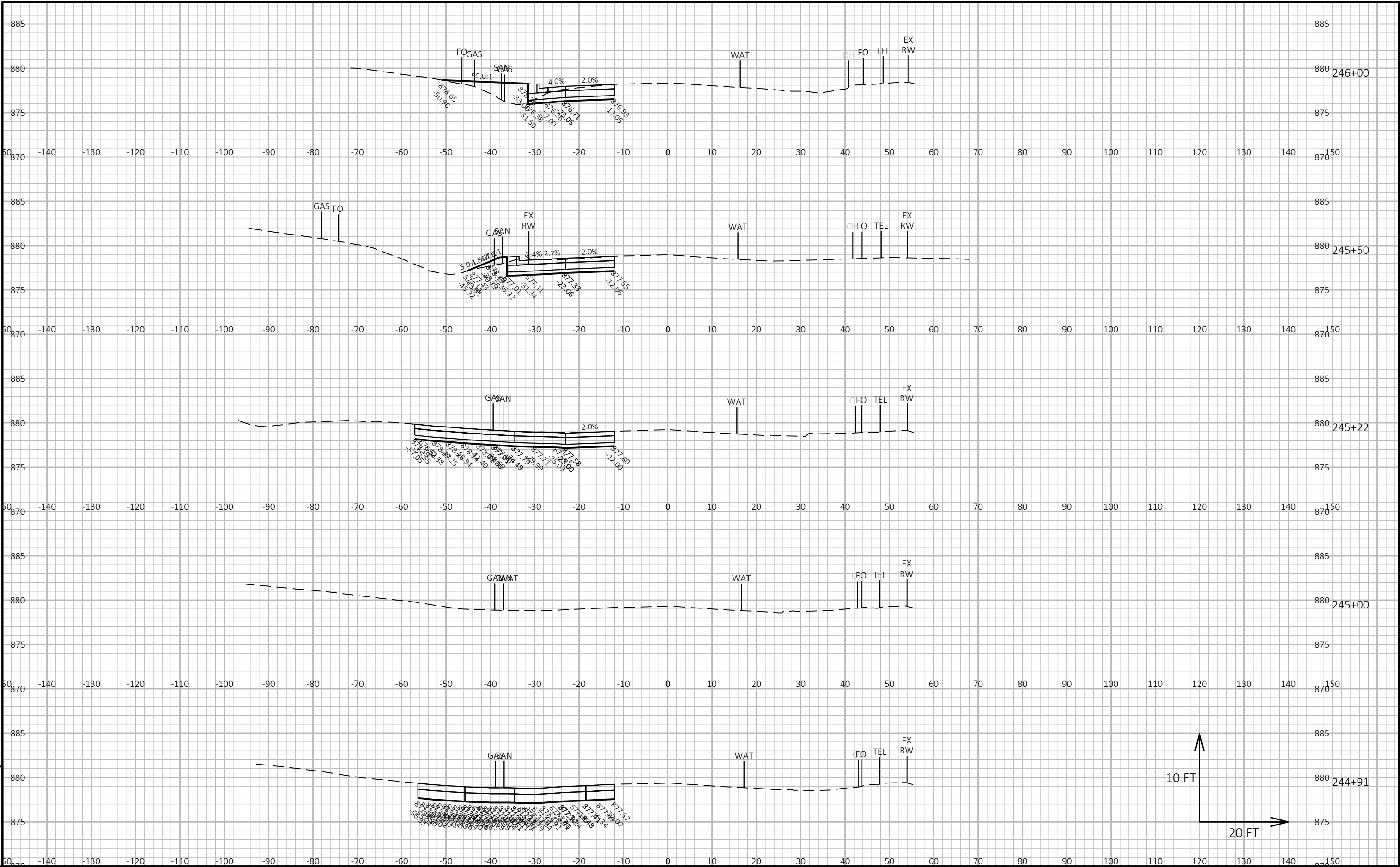


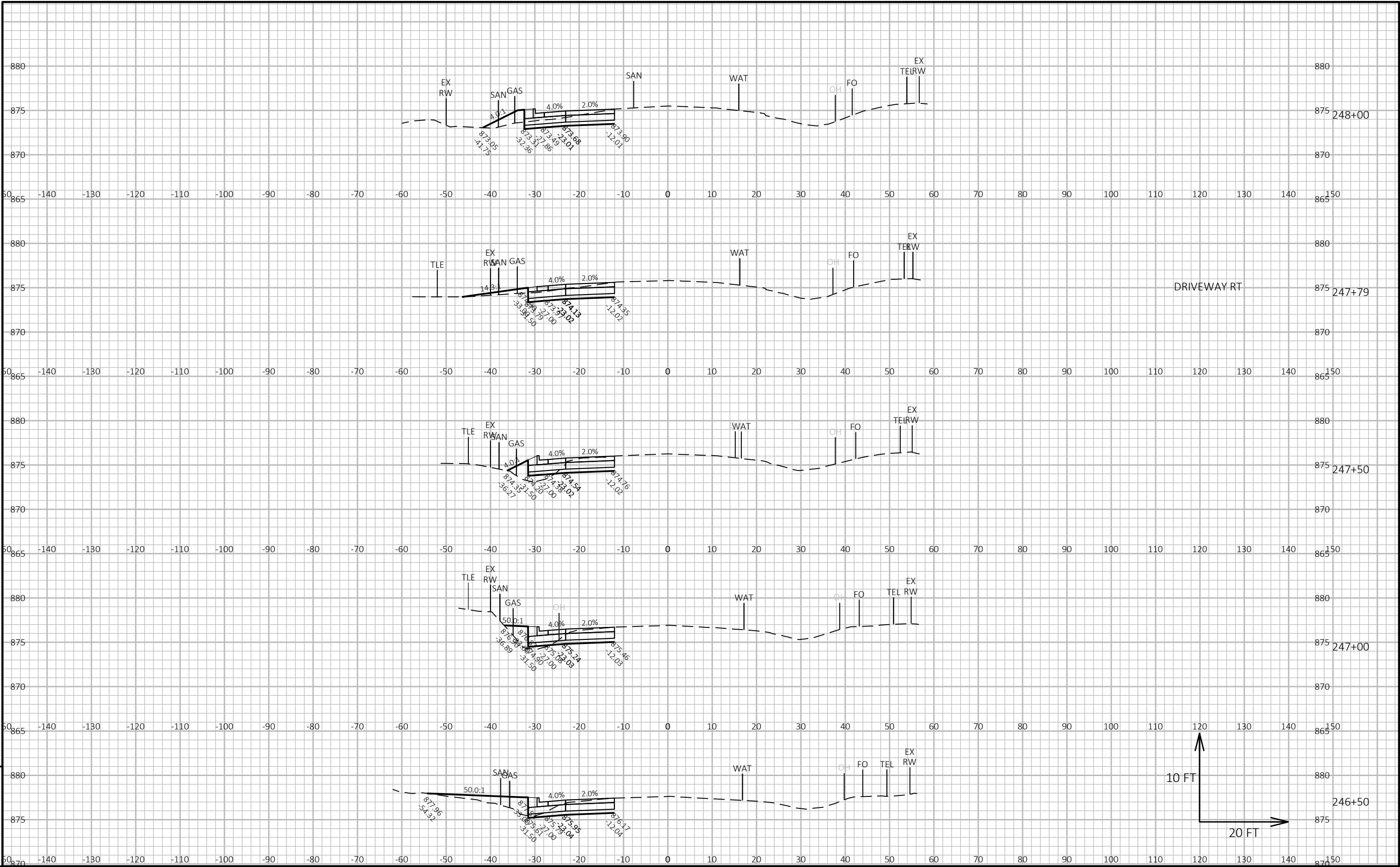
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| PROJECT NO: 2773-10-71 | HWY: STH 59 | COUNTY: WAUKESHA | CROSS SECTIONS: RACINE AVE (CTH Y) | SHEET | E |
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| PROJECT NO: 2773-10-71 | HWY: STH 59 | COUNTY: WAUKESHA | CROSS SECTIONS: RACINE AVE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