

PROJECT ID: 18-2782(16)

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	CTH YY
A.A.D.T.	2022 = 15,200
A.A.D.T.	2042 = 16,700
D.H.V.	=
D.D.	=
T.	= 4.2%
DESIGN SPEED	= 35 MPH
ESALS	= 1,200,000

CONVENTIONAL SYMBOLS

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

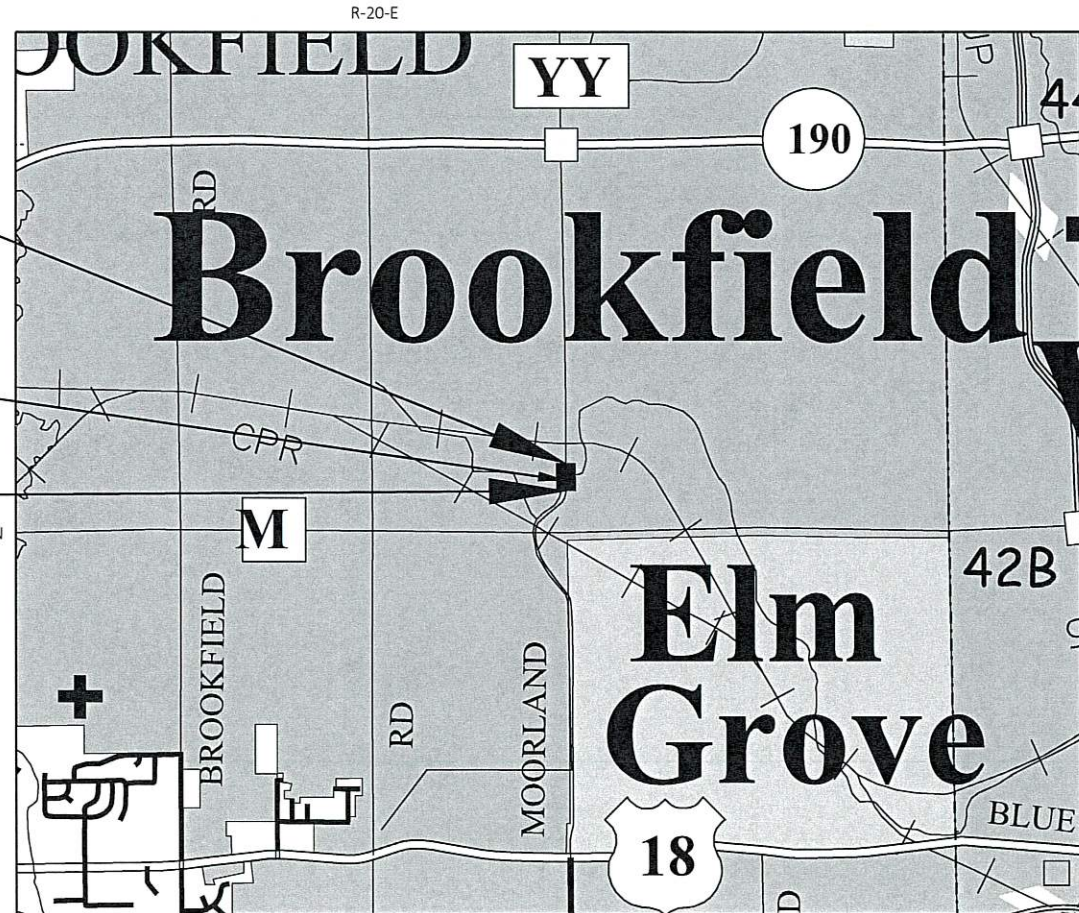
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

ROCK	
LABEL	
95.36	
95.36	
E	
FO	
G	
SAN	
SS	
T	
W	
W	
W	

END PROJECT
STA 210+15.00
Y = 181047.01
X = 716767.70

STRUCTURE B-67-398
STA 204+00

BEGIN PROJECT
STA 202+00.00
Y = 180232.60
X = 716756.01



LAYOUT
SCALE 0 1 MI

TOTAL NET LENGTH OF CENTERLINE = 0.154 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), WAUKESHA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM, NAVD 88 (2012).

WAUKESHA COUNTY
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

CTH YY

UNDERWOOD CREEK STRUCTURE
WAUKESHA COUNTY

PROJECT NUMBER
18-2782(16)

STATE PROJECT
(LRIP)

1009-49-40

FEDERAL PROJECT

PROJECT

CONTRACT

-

-

APPROVED FOR
WAUKESHA COUNTY
DEPARTMENT OF PUBLIC WORKS

10-19-25
Date
3-10-25
Date
Director
Engineering Services Manager

ORIGINAL PLANS PREPARED BY
AYRES ASSOCIATES



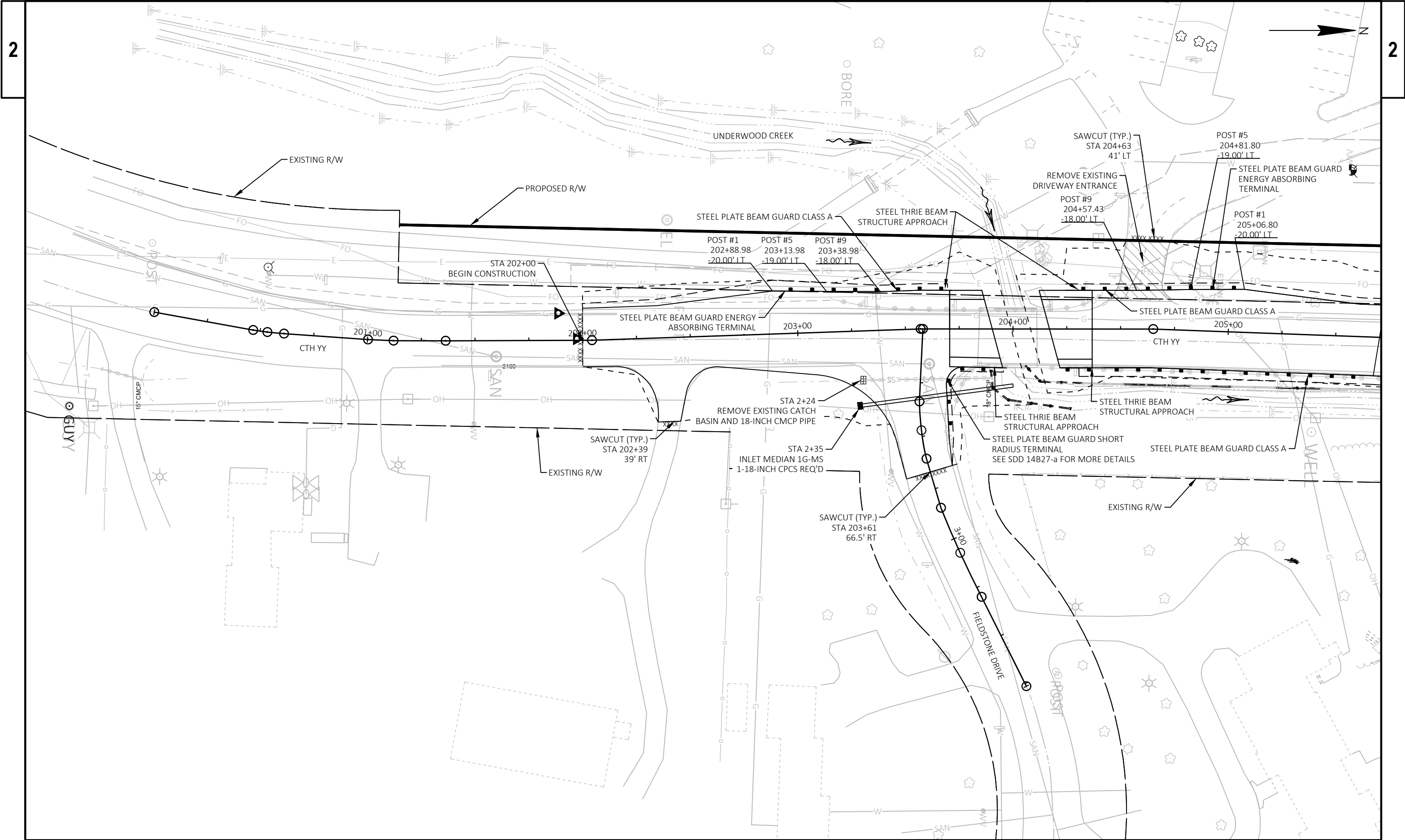
03/18/2025

E

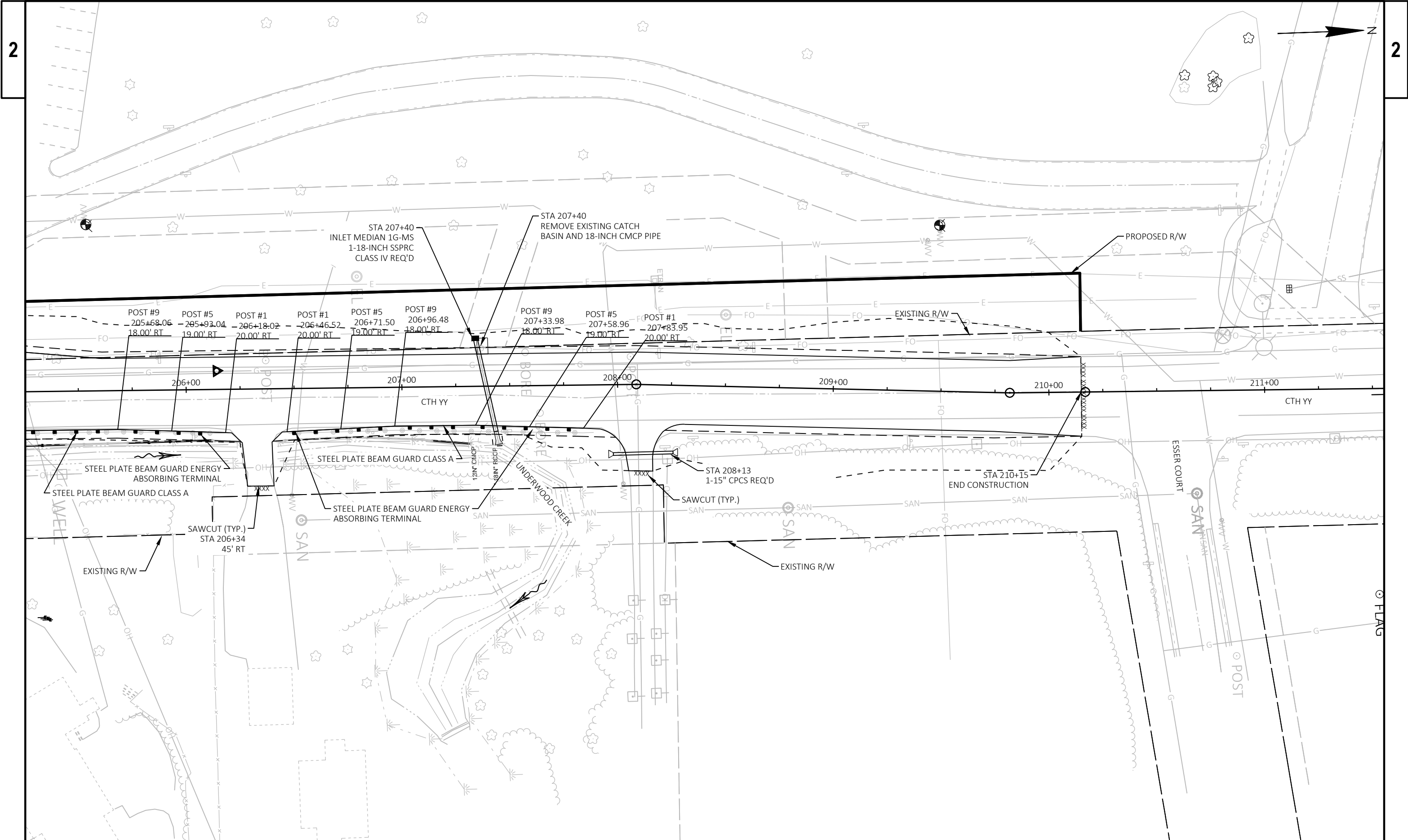
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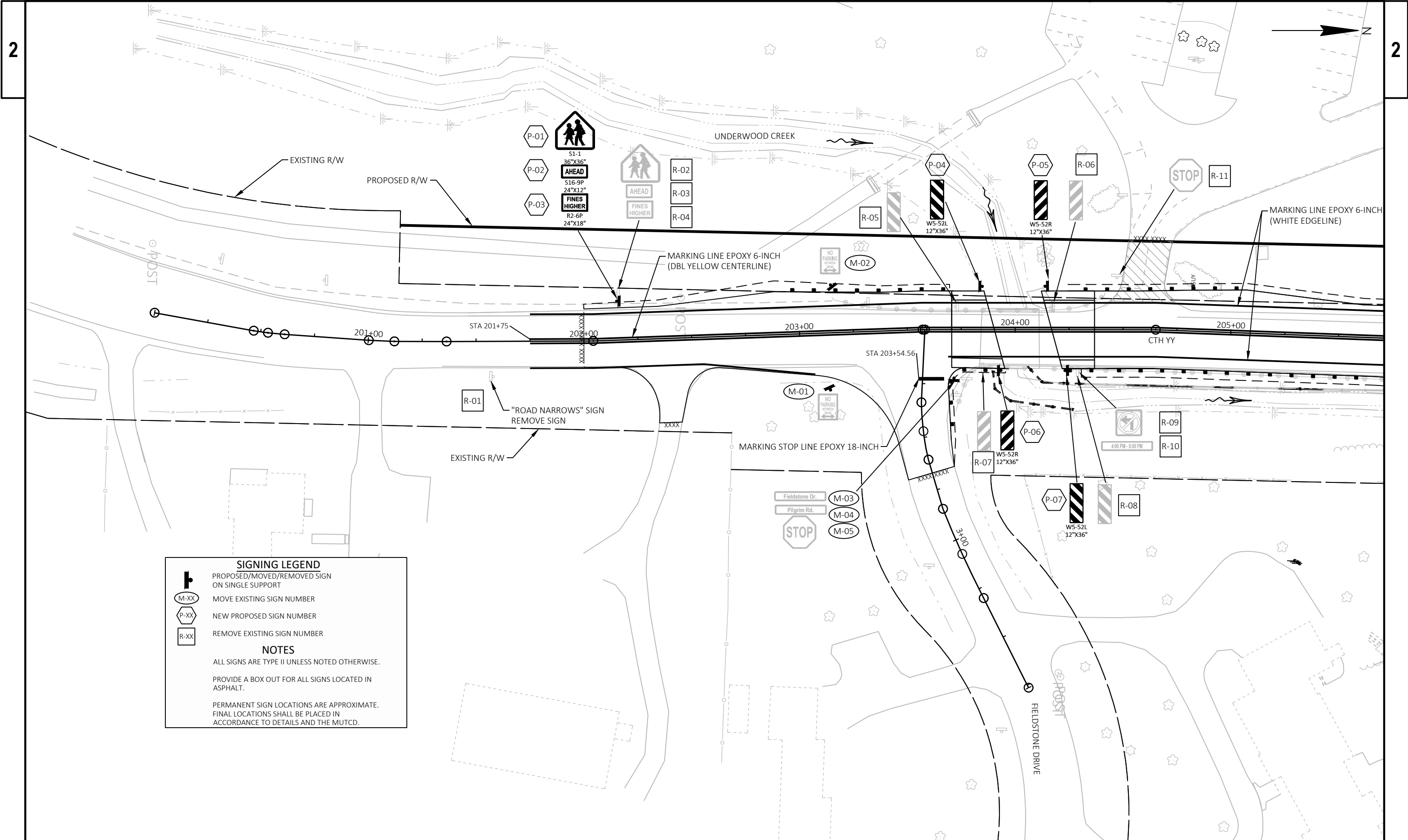


<u>LEGEND</u>	
(X.S.)	POINT REFERRED TO ON CROSS SECTION
(P.G.L.)	POINT REFERRED TO ON PROFILE
(MGS)	MIDWEST GUARDRAIL SYSTEM (SEE PLAN DETAIL SHEET FOR LOCATION & TYPE)
(RES)	RESTORATION (SEE EROSION CONTROL SHEET FOR LOCATION & TYPE)



PROJECT NO: 18-2782(16)	HWY: CTH YY	COUNTY: WAUKESHA	PLAN DETAIL	SHEET 7	E
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PROPOSED/MOVED/REMOVED SIGN ON SINGLE SUPPORT

MOVE EXISTING SIGN NUMBER

NEW PROPOSED SIGN NUMBER

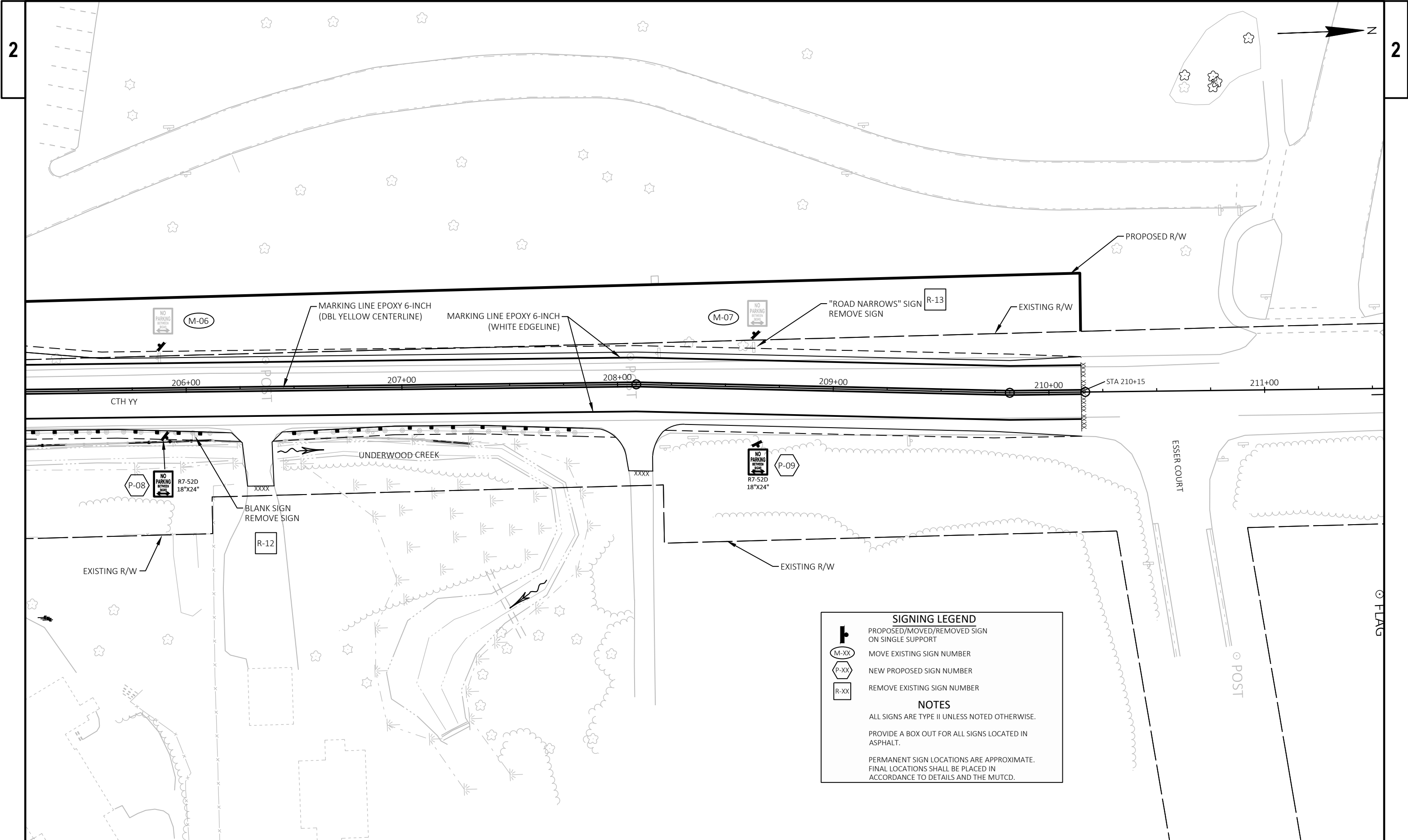
REMOVE EXISTING SIGN NUMBER

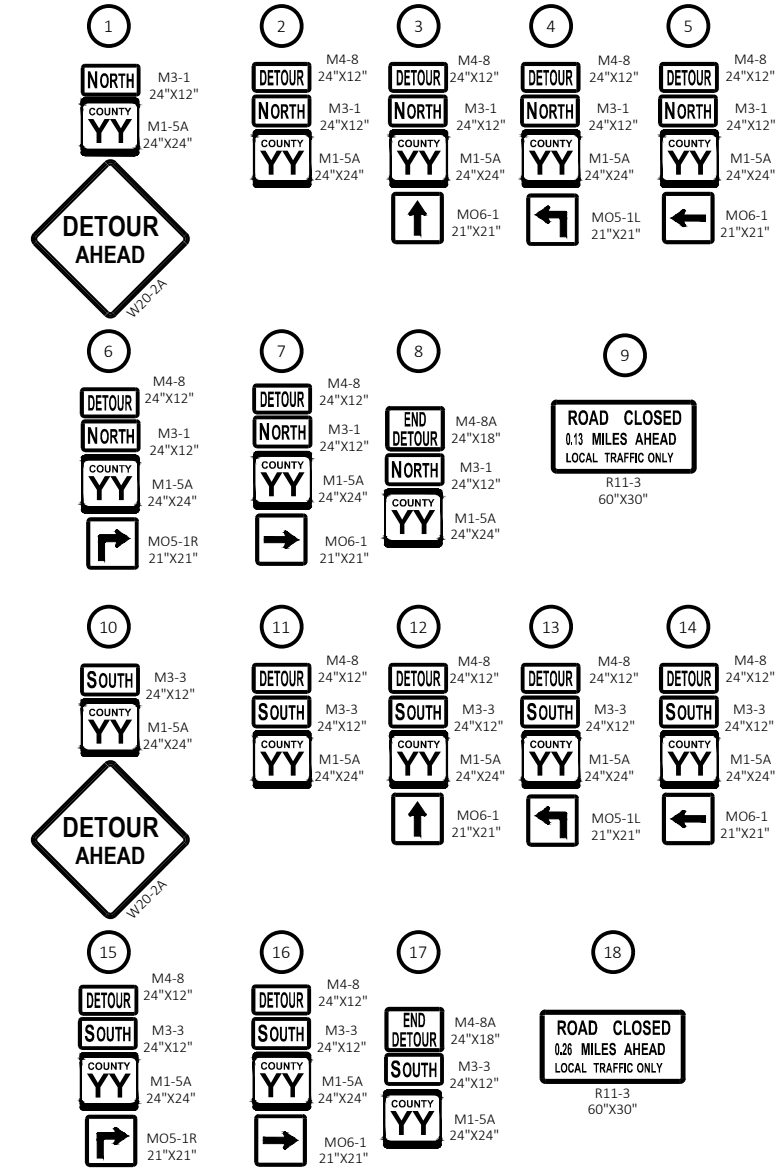
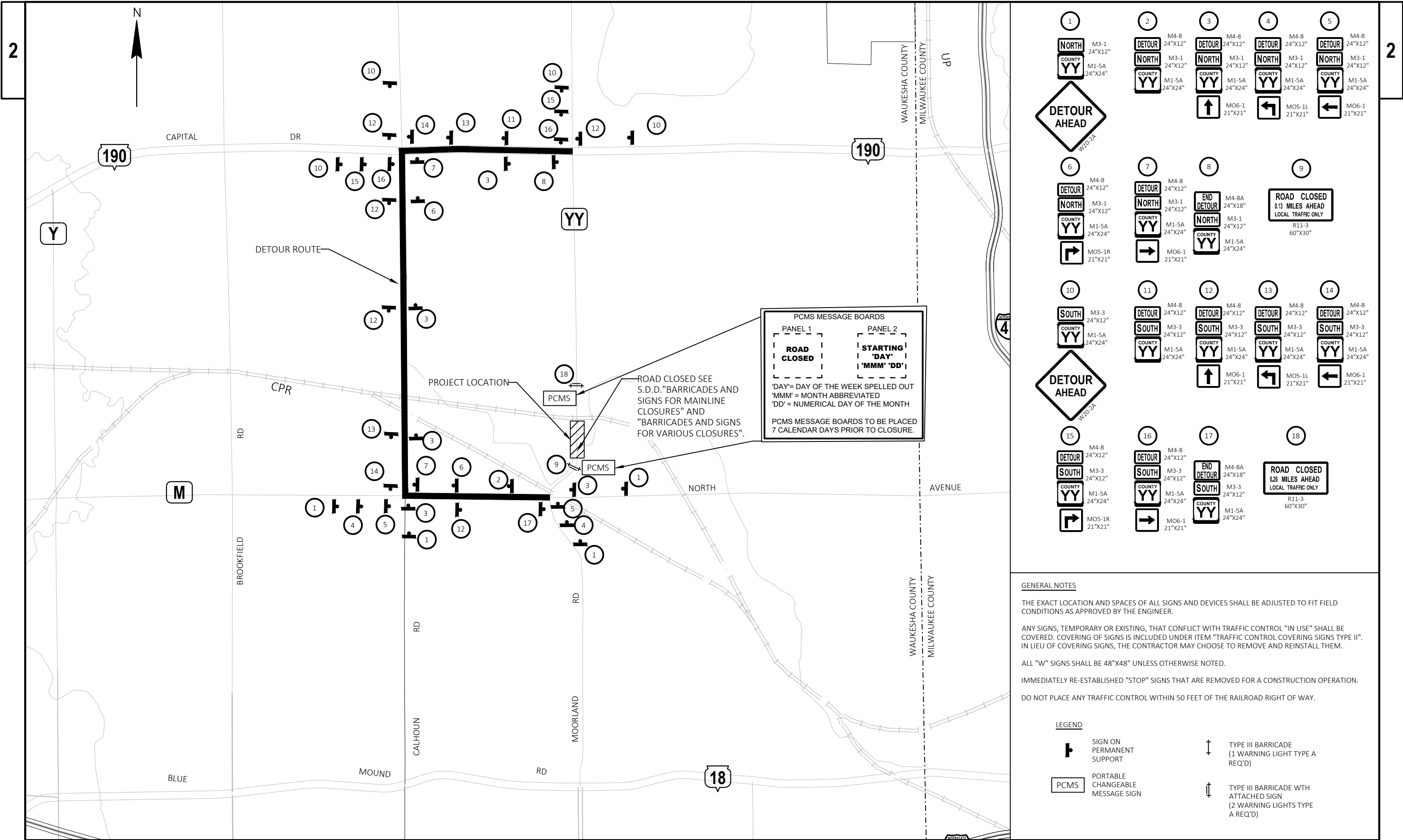
NOTES

ALL SIGNS ARE TYPE II UNLESS NOTED OTHERWISE.

PROVIDE A BOX OUT FOR ALL SIGNS LOCATED IN ASPHALT.

PERMANENT SIGN LOCATIONS ARE APPROXIMATE. FINAL LOCATIONS SHALL BE PLACED IN ACCORDANCE TO DETAILS AND THE MUTCD.





GENERAL NOTES

THE EXACT LOCATION AND SPACES OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS, TEMPORARY OR EXISTING, THAT CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED. COVERING OF SIGNS IS INCLUDED UNDER ITEM "TRAFFIC CONTROL COVERING SIGNS TYPE II". IN LIEU OF COVERING SIGNS, THE CONTRACTOR MAY CHOOSE TO REMOVE AND REINSTALL THEM.

ALL "W" SIGNS SHALL BE 48"X48" UNLESS OTHERWISE NOTED.

IMMEDIATELY RE-ESTABLISHED "STOP" SIGNS THAT ARE REMOVED FOR A CONSTRUCTION OPERATION.

DO NOT PLACE ANY TRAFFIC CONTROL WITHIN 50 FEET OF THE RAILROAD RIGHT OF WAY.

LEGEND			
	SIGN ON PERMANENT SUPPORT		TYPE III BARRICADE (1 WARNING LIGHT TYPE A REQ'D)
	PORTABLE CHANGEABLE MESSAGE SIGN		TYPE III BARRICADE WITH ATTACHED SIGN (2 WARNING LIGHTS TYPE A REQ'D)

WAUKESHA COUNTY
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT
18-2782(16)
ELM GROVE - BROOKFIELD
PILGRIM SQUARE TO ESSER COURT
CTH YY (PILGRIM ROAD)
WAUKESHA COUNTY

4807804

REGISTER OF DEEDS
WAUKESHA COUNTY, WI
RECORDED ON

March 10, 2025 09:23 AM
James R Behrend
Register of Deeds
2 PGS
TOTAL FEE:\$25.00
TRANS FEE:\$0.00
Exemption:N
Book 1 Page 222-223



CONVENTIONAL SYMBOLS

SECTION LINE	SECTION CORNER SYMBOL	R/W MONUMENT (TO BE SET)
QUARTER LINE	SECTION CORNER MONUMENT	NON-MONUMENTED R/W POINT
SIXTEENTH LINE	GEODETIC SURVEY MONUMENT	FOUND IRON PIN (1-INCH UNLESS NOTED)
NEW REFERENCE LINE	SIXTEENTH CORNER MONUMENT	OFF-PREMISE SIGN
NEW R/W LINE	SIGN	COMPENSABLE
EXISTING R/W OR HE LINE		NON-COMPENSABLE
PROPERTY LINE		
LOT, TIE & OTHER MINOR LINES		
SLOPE INTERCEPT		
CORPORATE LIMITS		
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)		
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)		
TEMPORARY LIMITED EASEMENT AREA		
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)		
TRANSMISSION STRUCTURES		
BUILDING		
BRIDGE		

CONVENTIONAL ABBREVIATIONS

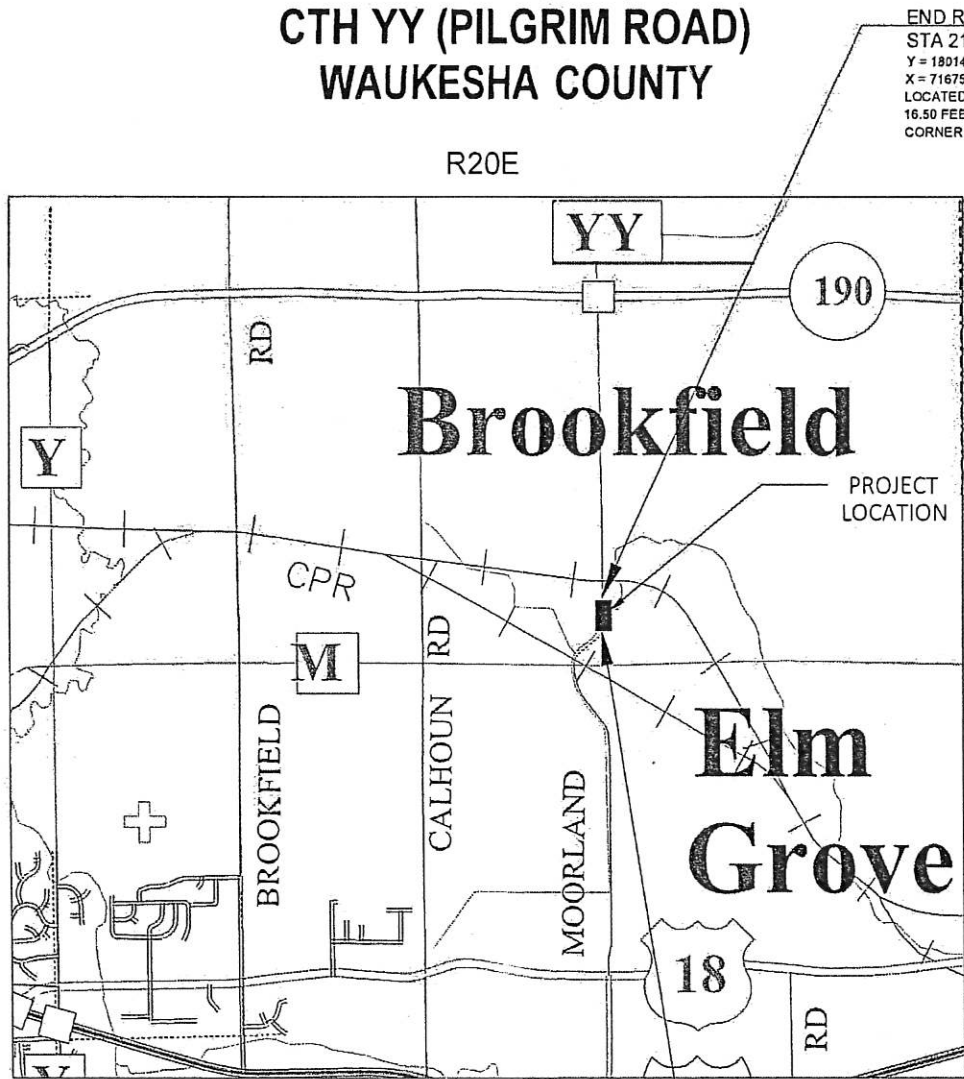
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT	RDE
CENTERLINE	C/L	EASEMENT	
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT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

CURVE DATA

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

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD	O
TRANSMISSION LINES	TL
ELECTRIC	E
CABLE TELEVISION	CTV
FIBER OPTIC	FO
SANITARY SEWER	SS
STORM SEWER	SS



END RELOCATION ORDER
STA 210+15.00
Y = 180146.792
X = 716757.126
LOCATED 2083.56 FEET NORTH AND
16.50 FEET EAST OF THE SOUTHEAST
CORNER OF SECTION 15, T7N, R20E.

THE NOTES, CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 18-2782(16)

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WAUKESHA COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPANCIAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

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

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

THAT PART OF NORTHEAST QUARTER OF THE SOUTHEAST QUARTER AND SOUTHEAST QUARTER OF THE SOUTHEAST QUARTER OF SECTION 15, TOWNSHIP 07 NORTH, RANGE 20 EAST, CITY OF BROOKFIELD, WAUKESHA COUNTY, WISCONSIN.

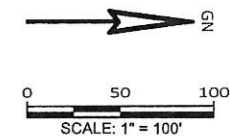
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, WAUKESHA COUNTY DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 83.08 AND CHAPTER 32 OF THE WISCONSIN STATUTES, WAUKESHA COUNTY HEREBY ORDERS THAT:

HEREBY ORDERS THAT:
IN THE NAME OF WAUKESHA COUNTY, PURSUANT TO THE PROVISIONS OF SECTION 83.08 AND CHAPTER 32 OF THE WISCONSIN STATUTES,

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED



RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 18-2782(16)
AMENDMENT NO: ____

R/W COURSE TABLE		
COURSE	BEARING	DISTANCE
100-101	S00° 35' 34"W	900.09'
101-102	N89° 30' 58"W	33.01'
102-103	N89° 24' 26"W	27.00'
103-104	N00° 35' 34"E	901.59'
104-105	S88° 33' 58"E	27.00'
105-100	S88° 33' 58"E	33.00'

- | SCHEDULE OF LANDS & INTERESTS REQUIRED | | | | | | |
|--|--------------------|-------------------------|-----------|-----------|-----------|-----|
| PARCEL
NUMBER | OWNER(S) | INTEREST(S)
REQUIRED | R/W (SF) | | | |
| | | | NEW | EXISTING | TOTAL | TLE |
| 1 | CITY OF BROOKFIELD | FEE | 24,343.01 | 29,721.29 | 54,064.30 | --- |

HWY	BASIS OF EXISTING R/W	R/W WIDTH	YEAR
CTH YY	FIELDSTONE SUBDIVISION	83'	1956
CTH YY	CSM 2197	93'	1974

UTILITY INTERESTS REQUIRED		
UTILITY NO.	OWNER	INTEREST REQUIRED
50	WE ENERGIES - ELECTRIC	RELEASE OF RIGHTS
51	MIDWEST FIBER NETWORKS	RELEASE OF RIGHTS
52	AT&T DISTRIBUTION SYSTEM	RELEASE OF RIGHTS

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, WAUKESHA COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

I, BRETT KARNS, PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.09S OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE COUNTY OF WAUKESHA, I HAVE MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Bred Hume DATE: 03/10/2025

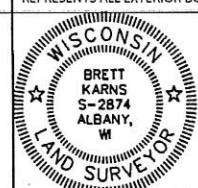
PRINT NAME: BRETT KARNIS

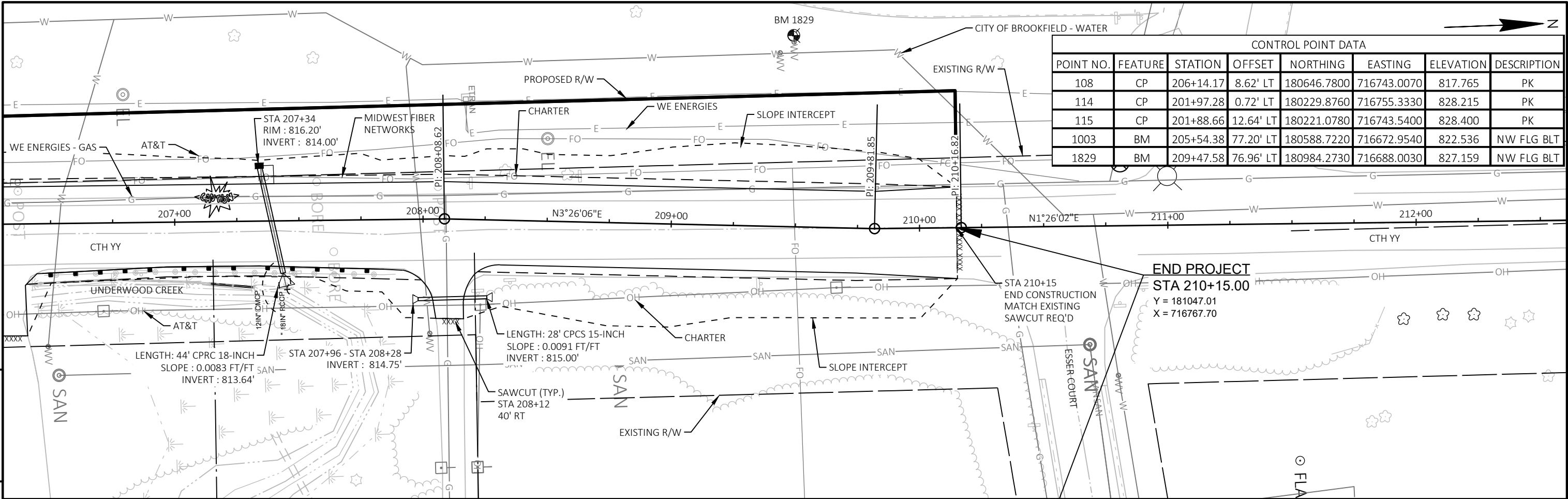
REGISTRATION NUMBER: S-2874

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR
WAUKESHA COUNTY DEPARTMENT OF PUBLIC WORKS

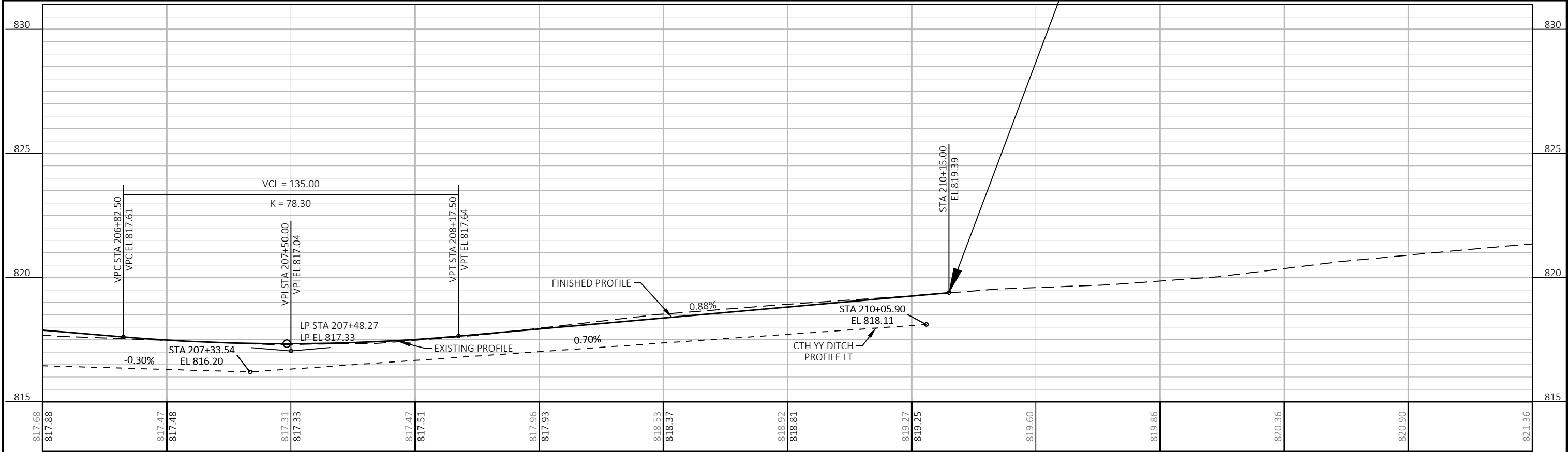
SIGNATURE: [Signature] DATE: 3/10/25

SIGNATURE: [Signature] DATE: 11/1/03
PRINT NAME: JASON MAYER

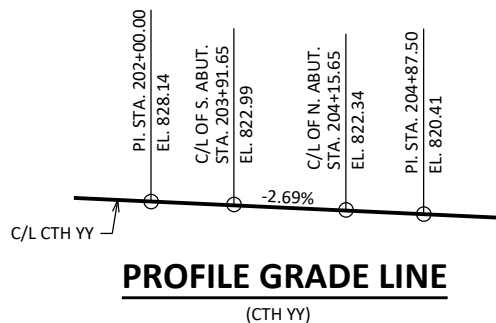
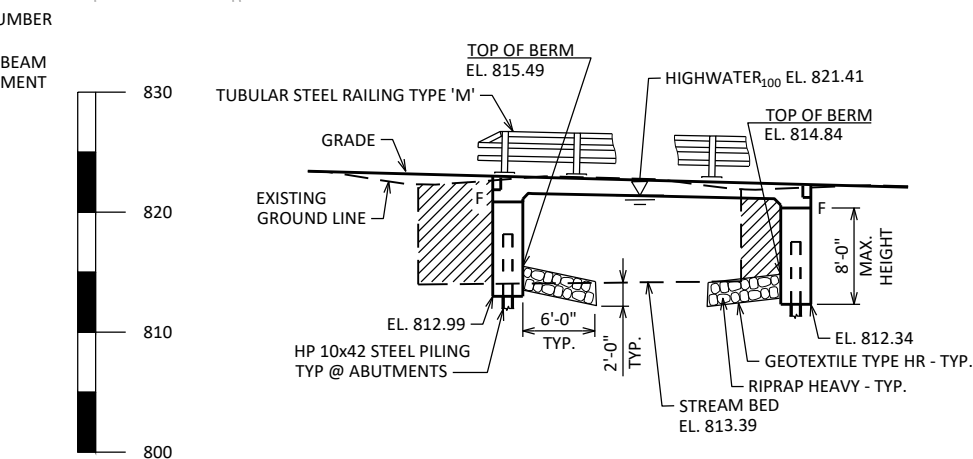
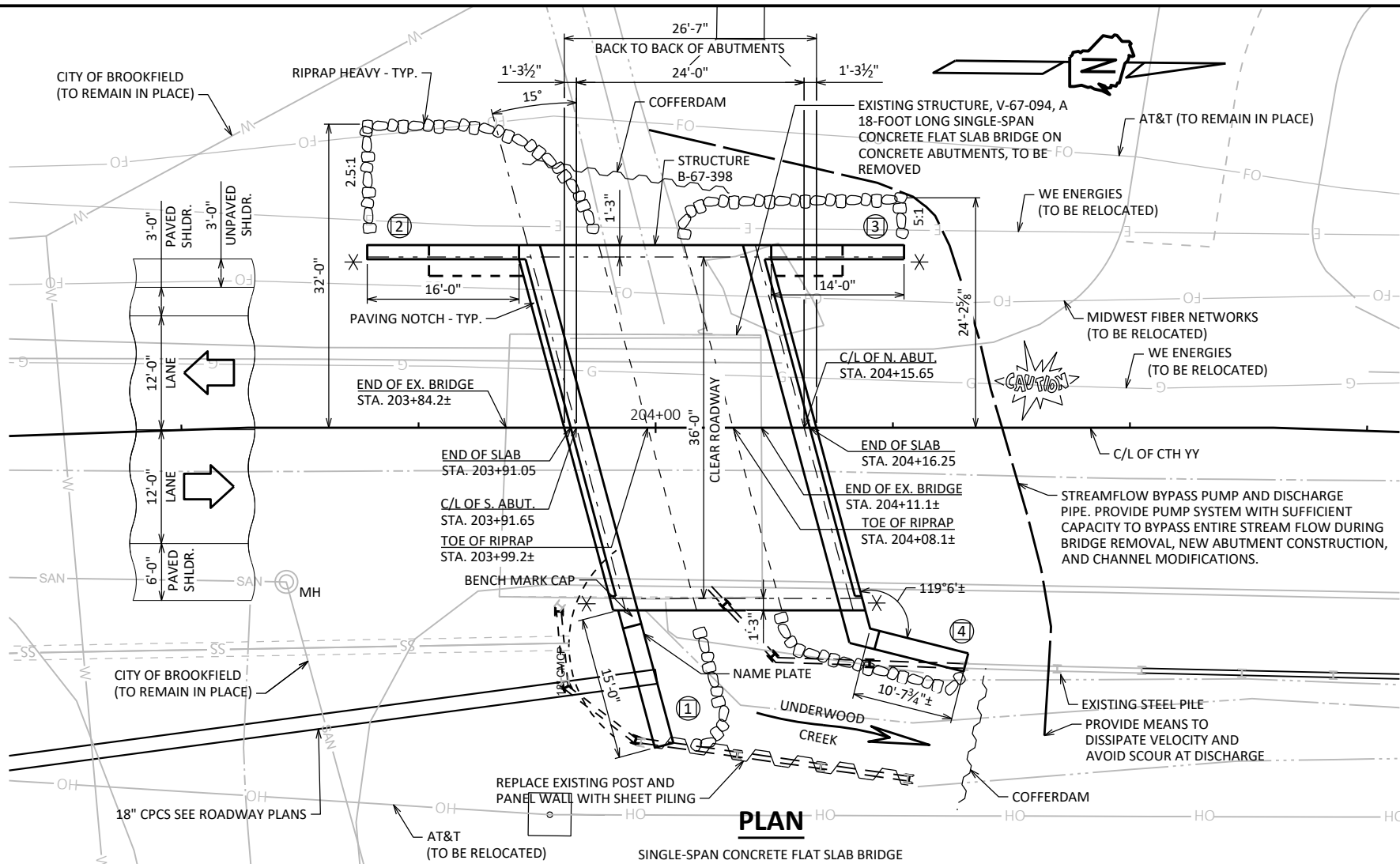




CONTROL POINT DATA							
POINT NO.	FEATURE	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
108	CP	206+14.17	8.62' LT	180646.7800	716743.0070	817.765	PK
114	CP	201+97.28	0.72' LT	180229.8760	716755.3330	828.215	PK
115	CP	201+88.66	12.64' LT	180221.0780	716743.5400	828.400	PK
1003	BM	205+54.38	77.20' LT	180588.7220	716672.9540	822.536	NW FLG BLT
1829	BM	209+47.58	76.96' LT	180984.2730	716688.0030	827.159	NW FLG BLT



PROJECT NO:	18-2782(16)	HWY:	CTH YY	COUNTY:	WAUKESHA	PLAN AND PROFILE:	CTH YY	SHEET	21	E
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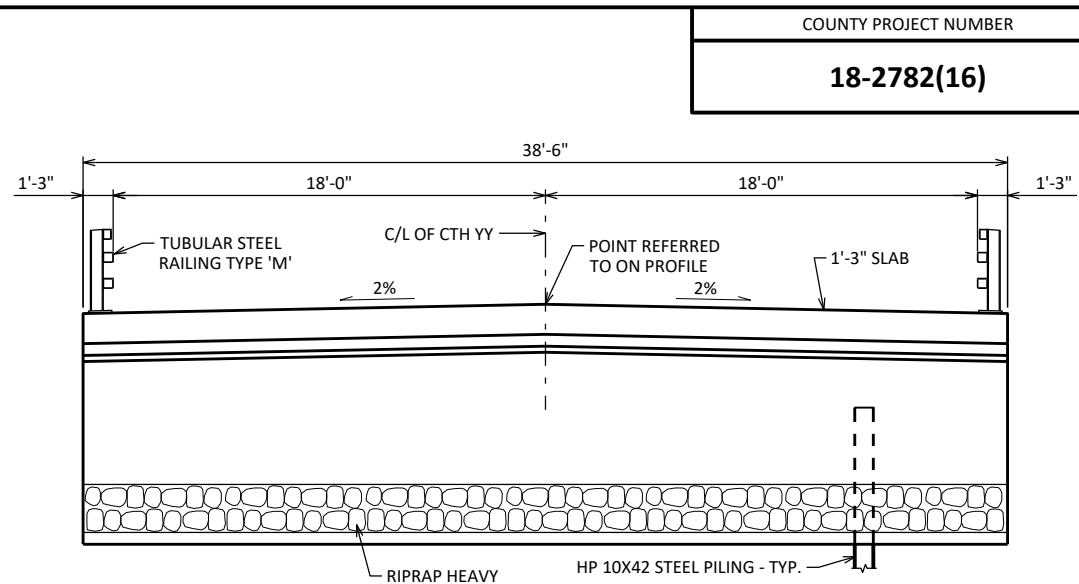
BENCH MARK			
NO.	STATION	DESCRIPTION	ELEV.
1003	205+54	NW FLG BOLT	822.55
1829	209+48	NW FLG BOLT	827.16

LIST OF DRAWINGS:

1. GENERAL PLAN
2. QUANTITIES AND NOTES
3. STRUCTURE DETAILS
4. SUBSURFACE EXPLORATION
5. SOUTH ABUTMENT
6. SOUTH ABUTMENT PILE LAYOUT & WING 2 DETAILS
7. SOUTH ABUTMENT DETAILS AND BILL OF BARS
8. NORTH ABUTMENT
9. NORTH ABUTMENT PILE LAYOUT & WING 3 DETAILS
10. NORTH ABUTMENT WING 4 DETAILS
11. NORTH ABUTMENT DETAILS AND BILL OF BARS
12. SUPERSTRUCTURE
13. SUPERSTRUCTURE PLAN
14. TUBULAR STEEL RAILING TYPE "M"

COST OF EXCAVATION OR FILL IN THE HATCHED AREAS SHALL BE INCLUDED IN THE CONTRACT PRICE FOR "EXCAVATION FOR STRUCTURES BRIDGES B-67-398".

REMOVE EXISTING STRUCTURE AS NEEDED. COST INCLUDED IN "REMOVING STRUCTURE OVER WATERWAY MINIMAL DEBRIS" ITEM. TYPICAL AT ALL SUBSTRUCTURES.



DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING: RF = 1.11
OPERATING RATING: RF = 1.44
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 (KIPS)

STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.

MATERIAL PROPERTIES:

CONCRETE MASONRY:
SUPERSTRUCTURE $f'_c = 4,000$ PSI
ALL OTHER $f'_c = 3,500$ PSI

BAR STEEL REINFORCEMENT
GRADE 60 $f_y = 60,000$ PSI

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 10x42 STEEL PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 120 TONS ** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 55'-0" LONG.

**THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE PILE CAPACITY.

TRAFFIC DATA

FEATURE ON:

ADT = 15,200 (2022)
ADT = 16,700 (2042)
R.D.S. = 35 MPH

COUNTY PROJECT NUMBER

18-2782(16)

HYDRAULIC DATA

100-YEAR FREQUENCY:

$Q_{300} = 748$ C.F.S.
 $V_{100} = 5.9$ F.P.S.
 $HW_{100} = EL. 821.41$
WATERWAY AREA = 127 SQ. FT.
DRAINAGE AREA = 4.7 SQ. MI.
ROADWAY OVERTOPPING = N/A
SCOUR CRITICAL CODE = 5

2-YEAR FREQUENCY:

$Q_2 = 396$ C.F.S.
 $V_2 = 3.6$ F.P.S.
 $HW_2 = EL. 820.05$



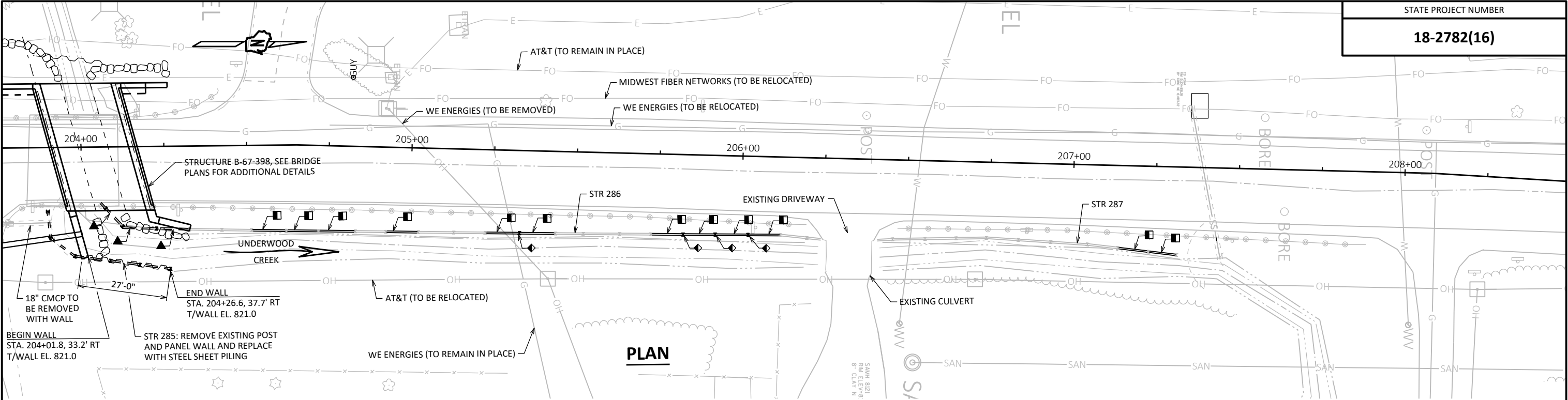
03/25/2025

STRUCTURE DESIGN CONTACTS:
DAN SYDOW 715-834-3161

NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY			
3433 Oakwood Hills Parkway Eau Claire, WI 54701 www.AyresAssociates.com			
STRUCTURE B-67-398			
CTH YY OVER UNDERWOOD CREEK			
COUNTY	WAUKESHA	CITY	BROOKFIELD
DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATION			
DESIGNED BY	NBE	DESIGN CK'D	JMC
DRAWN BY	ZSS/CLP	PLANS CK'D	ZSS
GENERAL PLAN			SHEET 1 OF 14 56

I.D.

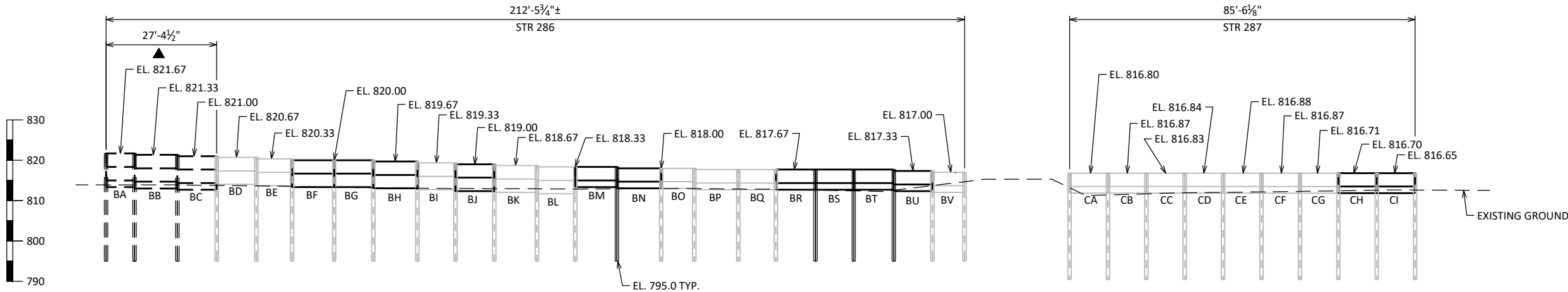
DATE:



STATE PROJECT NUMBER
18-2782(16)

PLAN

- REMOVE AND REPLACE PANEL WALL
- ▲ REMOVE POST AND PANEL WALL
- ◆ REMOVE H-PILE. REPLACE WITH A NEW HP10X42 STEEL PILE



ELEVATION

- LIST OF DRAWINGS:**
1. GENERAL PLAN
 2. QUANTITIES AND NOTES

DESIGN DATA
MATERIAL PROPERTIES:
CONCRETE MASONRY-PRECAST PANELS $f'_c = 4,000$ P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 $f_y = 60,000$ P.S.I.



03/25/2025

NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY			
AYRES 3433 Oakwood Hills Parkway Eau Claire, WI 54701 www.AyresAssociates.com			
STRUCTURE STR 285, 286, 287			
CTH YY RETAINING WALLS ALONG UNDERWOOD CREEK			
COUNTY	WAUKESHA	CITY	BROOKFIELD
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	ZSS	DESIGN CK'D	DNS
DRAWN BY	ZSS	PLANS CK'D	JLB
GENERAL PLAN			SHEET 1 OF 2 70

I.D. DATE: