

WIS
PROJECT ID:
1009-43-74
WITH: N/A

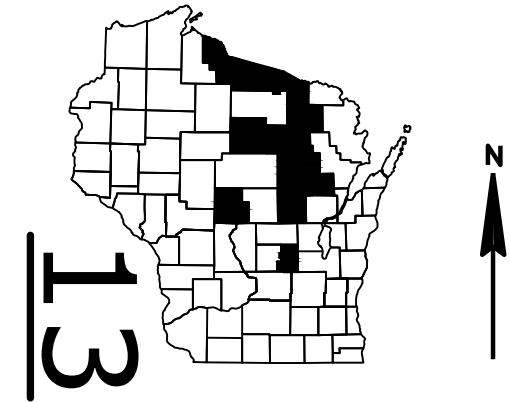
COUNTY:
STATEWIDE

SEPTEMBER 2024

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 = 94



DESIGN DESIGNATION

A.A.D.T.	=
A.A.D.T.	=
D.H.V.	=
D.D.	=
T.	=
DESIGN SPEED	=
ESALS	=

CONVENTIONAL SYMBOLS

<u>PLAN</u>	
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	

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

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

2024/2025 STATE WIDE TREE CLEARING

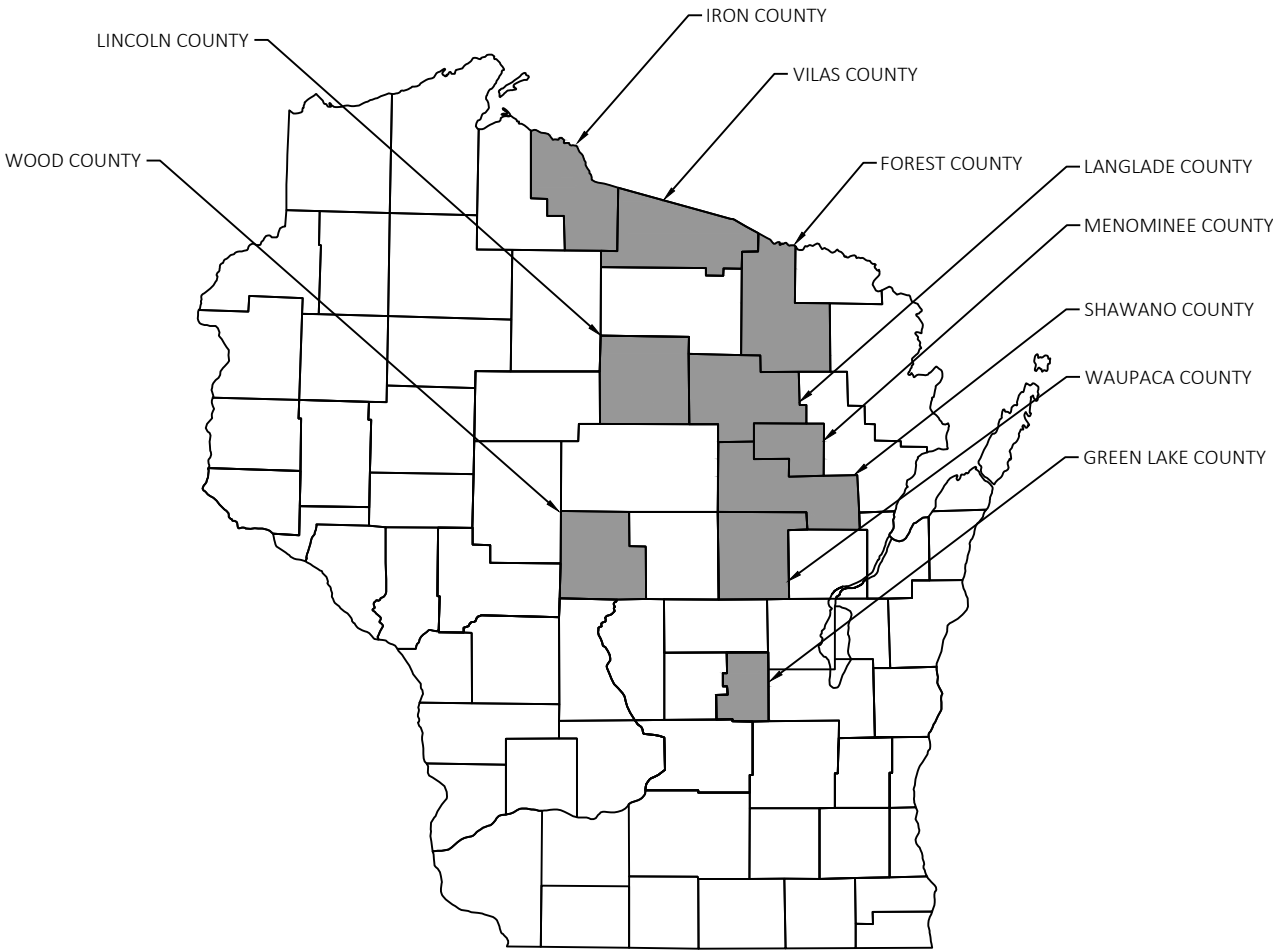
NC REGION VARIOUS COUNTIES

NON HWY

STATEWIDE

STATE PROJECT NUMBER

1009-43-74



TOTAL NET LENGTH OF CENTERLINE = 0.000

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

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1009-43-74		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor

Designer

Project Manager

Regional Examiner

Regional Supervisor

WISDOT

JEFF OETTINGER & JEN TRUDEAU

FRED SCHUNKE

FRED SCHUNKE

KAI KILEN

APPROVED FOR THE DEPARTMENT

DATE: July 22, 2024

(Signature)

E

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT CONTACTS
- PROJECT OVERVIEW

GENERAL NOTES

THE LOCATIONS OF EXISTING UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.

DO NOT DRIVE OR STORE EQUIPMENT, OR STORE CONSTRUCTION MATERIALS IN ENVIRONMENTALLY SENSITIVE AREAS, WETLANDS, OR WATERWAYS.



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

UTILITY CONTACTS

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GENERAL NOTES

LOCATIONS OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

UTILITIES

ELECTRICITY	ATC MANAGEMENT, INC. P.O. BOX 47 WAUKESHA, WI 53187 ATTN: CHRIS DAILEY TELEPHONE: (262) 506-6884 EMAIL: CDAILEY@ATCLLC.COM
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COMMUNICATIONS	SPECTRUM/CHARTER/TAK COMMUNICATIONS ATTN: JAMES BROWN MOBILE: (920) 461-8096 EMAIL: JBROWN@TAKCOMMUNICATIONS.COM

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TELEPHONE: 920-412-0165

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DIGGERSHOTLINE

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WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY



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TRIBAL/ENVIRONMENTAL CONTACT

JEREMY PYATSKOWIT
PO BOX 910
KESHENA, WI 54135
(715) 799-6150
JPYATSKOWIT@MITW.COM

DNR LIAISON

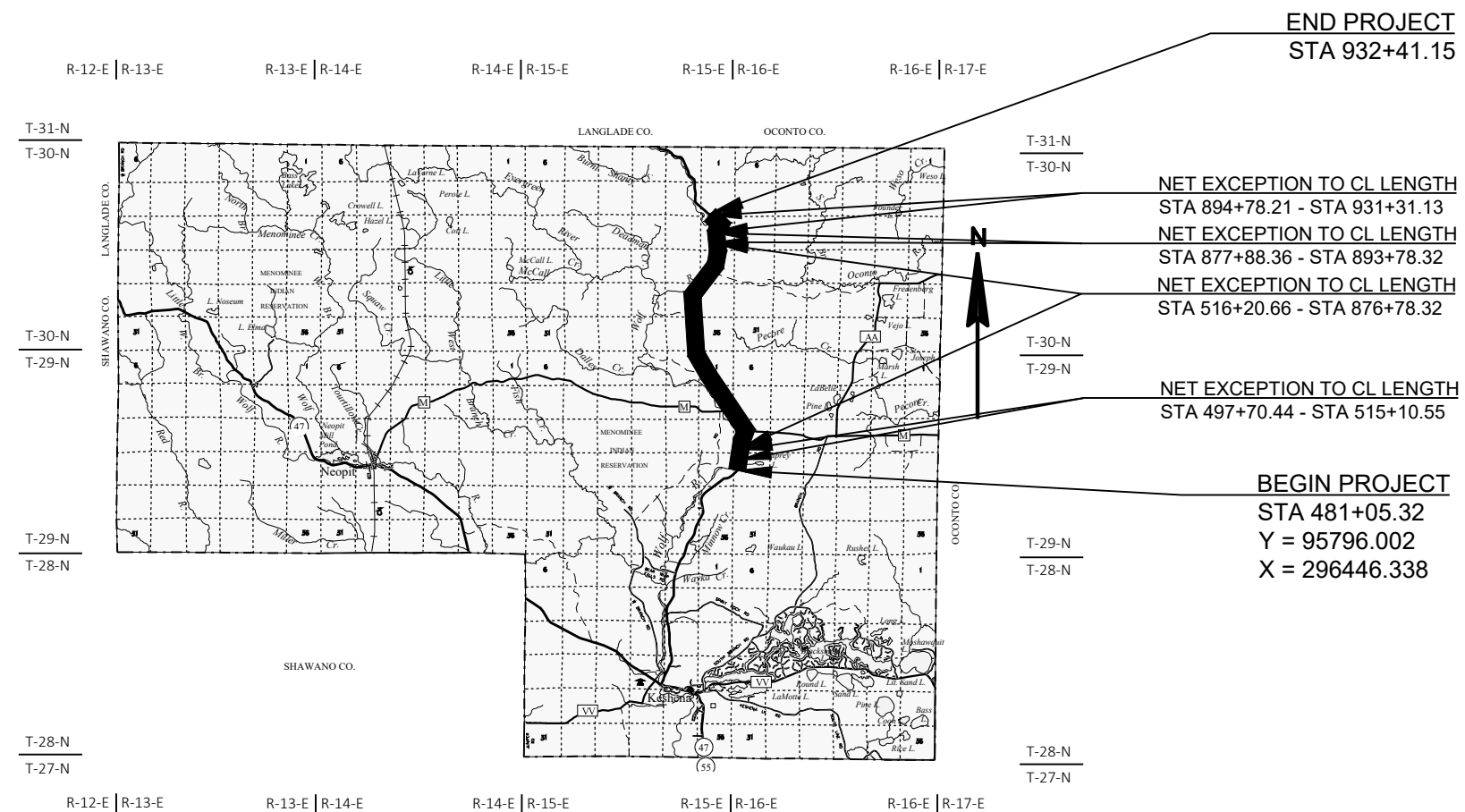
JAMES DOPERALSKI, JR.
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
(920) 412-0165
JAMES.DOPERALSKI@WISCONSIN.GOV



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

[illegible]

SITE 02
1009-43-68
STH 55
MENOMINEE COUNTY



END PROJECT
STA 866+03.73

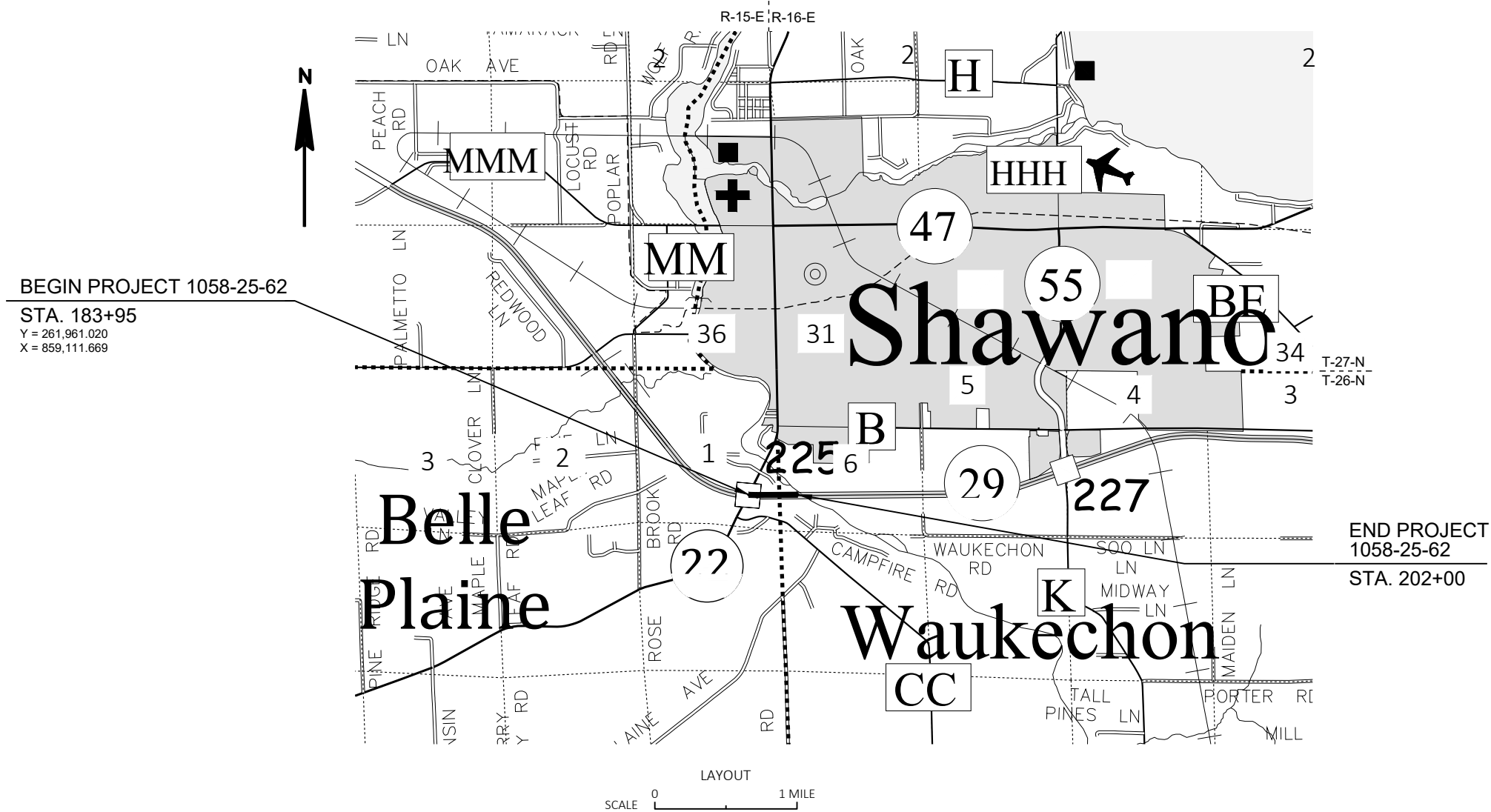
BEGIN PROJECT
STA 319+24.44
Y = 68,482.776
X = 275,470.806

LAYOUT
SCALE 0 4MI

The map displays the proposed centerline route for a project, starting at STA 1153EB+00 and ending at STA 1650EB+38. The route is shown as a thick black line. Key locations and features include:

- Locations:** Rib Falls, Stettin, Wausau, Marathon City, and Marathon.
- Streets:** 1ST, 2ND, 3RD, 4TH, 5TH, 6TH, 7TH, 8TH, 9TH, 10TH, 11TH, 12TH, 13TH, 14TH, 15TH, 16TH, 17TH, 18TH, 19TH, 20TH, 21ST, 22ND, 23RD, 24TH, 25TH, 26TH, 27TH, 28TH, 29TH, 30TH, 31ST, 32ND, 33RD, 34TH, 35TH, 36TH, 37TH, 38TH, 39TH, 40TH, 41ST, 42ND, 43RD, 44TH, 45TH, 46TH, 47TH, 48TH, 49TH, 50TH, 51ST, 52ND, 53RD, 54TH, 55TH, 56TH, 57TH, 58TH, 59TH, 60TH, 61ST, 62ND, 63RD, 64TH, 65TH, 66TH, 67TH, 68TH, 69TH, 70TH, 71ST, 72ND, 73RD, 74TH, 75TH, 76TH, 77TH, 78TH, 79TH, 80TH, 81ST, 82ND, 83RD, 84TH, 85TH, 86TH, 87TH, 88TH, 89TH, 90TH, 91ST, 92ND, 93RD, 94TH, 95TH, 96TH, 97TH, 98TH, 99TH, 100TH, 101ST, 102ND, 103RD, 104TH, 105TH, 106TH, 107TH, 108TH, 109TH, 110TH, 111ST, 112ND, 113RD, 114TH, 115TH, 116TH, 117TH, 118TH, 119TH, 120TH, 121ST, 122ND, 123RD, 124TH, 125TH, 126TH, 127TH, 128TH, 129TH, 130TH, 131ST, 132ND, 133RD, 134TH, 135TH, 136TH, 137TH, 138TH, 139TH, 140TH, 141ST, 142ND, 143RD, 144TH, 145TH, 146TH, 147TH, 148TH, 149TH, 150TH, 151ST, 152ND, 153RD, 154TH, 155TH, 156TH, 157TH, 158TH, 159TH, 160TH, 161ST, 162ND, 163RD, 164TH, 165TH, 166TH, 167TH, 168TH, 169TH, 170TH, 171ST, 172ND, 173RD, 174TH, 175TH, 176TH, 177TH, 178TH, 179TH, 180TH, 181ST, 182ND, 183RD, 184TH, 185TH, 186TH, 187TH, 188TH, 189TH, 190TH, 191ST, 192ND, 193RD, 194TH, 195TH, 196TH, 197TH, 198TH, 199TH, 200TH, 201ST, 202ND, 203RD, 204TH, 205TH, 206TH, 207TH, 208TH, 209TH, 210TH, 211ST, 212ND, 213RD, 214TH, 215TH, 216TH, 217TH, 218TH, 219TH, 220TH, 221ST, 222ND, 223RD, 224TH, 225TH, 226TH, 227TH, 228TH, 229TH, 230TH, 231ST, 232ND, 233RD, 234TH, 235TH, 236TH, 237TH, 238TH, 239TH, 240TH, 241ST, 242ND, 243RD, 244TH, 245TH, 246TH, 247TH, 248TH, 249TH, 250TH, 251ST, 252ND, 253RD, 254TH, 255TH, 256TH, 257TH, 258TH, 259TH, 260TH, 261ST, 262ND, 263RD, 264TH, 265TH, 266TH, 267TH, 268TH, 269TH, 270TH, 271ST, 272ND, 273RD, 274TH, 275TH, 276TH, 277TH, 278TH, 279TH, 280TH, 281ST, 282ND, 283RD, 284TH, 285TH, 286TH, 287TH, 288TH, 289TH, 290TH, 291ST, 292ND, 293RD, 294TH, 295TH, 296TH, 297TH, 298TH, 299TH, 300TH, 301ST, 302ND, 303RD, 304TH, 305TH, 306TH, 307TH, 308TH, 309TH, 310TH, 311ST, 312ND, 313RD, 314TH, 315TH, 316TH, 317TH, 318TH, 319TH, 320TH, 321ST, 322ND, 323RD, 324TH, 325TH, 326TH, 327TH, 328TH, 329TH, 330TH, 331ST, 332ND, 333RD, 334TH, 335TH, 336TH, 337TH, 338TH, 339TH, 340TH, 341ST, 342ND, 343RD, 344TH, 345TH, 346TH, 347TH, 348TH, 349TH, 350TH, 351ST, 352ND, 353RD, 354TH, 355TH, 356TH, 357TH, 358TH, 359TH, 360TH, 361ST, 362ND, 363RD, 364TH, 365TH, 366TH, 367TH, 368TH, 369TH, 370TH, 371ST, 372ND, 373RD, 374TH, 375TH, 376TH, 377TH, 378TH, 379TH, 380TH, 381ST, 382ND, 383RD, 384TH, 385TH, 386TH, 387TH, 388TH, 389TH, 390TH, 391ST, 392ND, 393RD, 394TH, 395TH, 396TH, 397TH, 398TH, 399TH, 400TH, 401ST, 402ND, 403RD, 404TH, 405TH, 406TH, 407TH, 408TH, 409TH, 410TH, 411ST, 412ND, 413RD, 414TH, 415TH, 416TH, 417TH, 418TH, 419TH, 420TH, 421ST, 422ND, 423RD, 424TH, 425TH, 426TH, 427TH, 428TH, 429TH, 430TH, 431ST, 432ND, 433RD, 434TH, 435TH, 436TH, 437TH, 438TH, 439TH, 440TH, 441ST, 442ND, 443RD, 444TH, 445TH, 446TH, 447TH, 448TH, 449TH, 450TH, 451ST, 452ND, 453RD, 454TH, 455TH, 456TH, 457TH, 458TH, 459TH, 460TH, 461ST, 462ND, 463RD, 464TH, 465TH, 466TH, 467TH, 468TH, 469TH, 470TH, 471ST, 472ND, 473RD, 474TH, 475TH, 476TH, 477TH, 478TH, 479TH, 480TH, 481ST, 482ND, 483RD, 484TH, 485TH, 486TH, 487TH, 488TH, 489TH, 490TH, 491ST, 492ND, 493RD, 494TH, 495TH, 496TH, 497TH, 498TH, 499TH, 500TH, 501ST, 502ND, 503RD, 504TH, 505TH, 506TH, 507TH, 508TH, 509TH, 510TH, 511ST, 512ND, 513RD, 514TH, 515TH, 516TH, 517TH, 518TH, 519TH, 520TH, 521ST, 522ND, 523RD, 524TH, 525TH, 526TH, 527TH, 528TH, 529TH, 530TH, 531ST, 532ND, 533RD, 534TH, 535TH, 536TH, 537TH, 538TH, 539TH, 540TH, 541ST, 542ND, 543RD, 544TH, 545TH, 546TH, 547TH, 548TH, 549TH, 550TH, 551ST, 552ND, 553RD, 554TH, 555TH, 556TH, 557TH, 558TH, 559TH, 560TH, 561ST, 562ND, 563RD, 564TH, 565TH, 566TH, 567TH, 568TH, 569TH, 570TH, 571ST, 572ND, 573RD, 574TH, 575TH, 576TH, 577TH, 578TH, 579TH, 580TH, 581ST, 582ND, 583RD, 584TH, 585TH, 586TH, 587TH, 588TH, 589TH, 590TH, 591ST, 592ND, 593RD, 594TH, 595TH, 596TH, 597TH, 598TH, 599TH, 600TH, 601ST, 602ND, 603RD, 604TH, 605TH, 606TH, 607TH, 608TH, 609TH, 610TH, 611ST, 612ND, 613RD, 614TH, 615TH, 616TH, 617TH, 618TH, 619TH, 620TH, 621ST, 622ND, 623RD, 624TH, 625TH, 626TH, 627TH, 628TH, 629TH, 630TH, 631ST, 632ND, 633RD, 634TH, 635TH, 636TH, 637TH, 638TH, 639TH, 640TH, 641ST, 642ND, 643RD, 644TH, 645TH, 646TH, 647TH, 648TH, 649TH, 650TH, 651ST, 652ND, 653RD, 654TH, 655TH, 656TH, 657TH, 658TH, 659TH, 660TH, 661ST, 662ND, 663RD, 664TH, 665TH, 666TH, 667TH, 668TH, 669TH, 670TH, 671ST, 672ND, 673RD, 674TH, 675TH, 676TH, 6

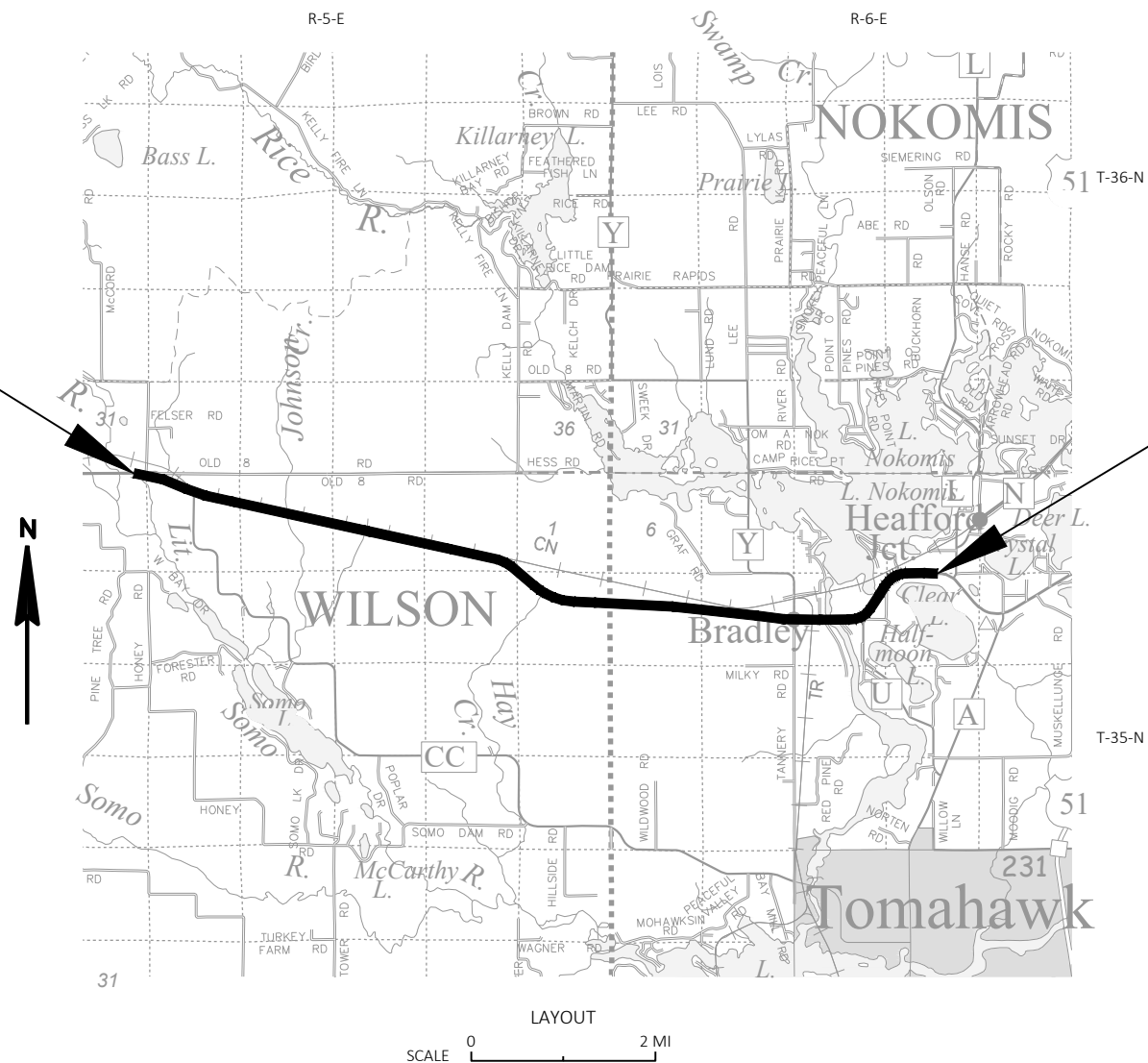
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1058-25-62
STH 29
SHAWANO COUNTY



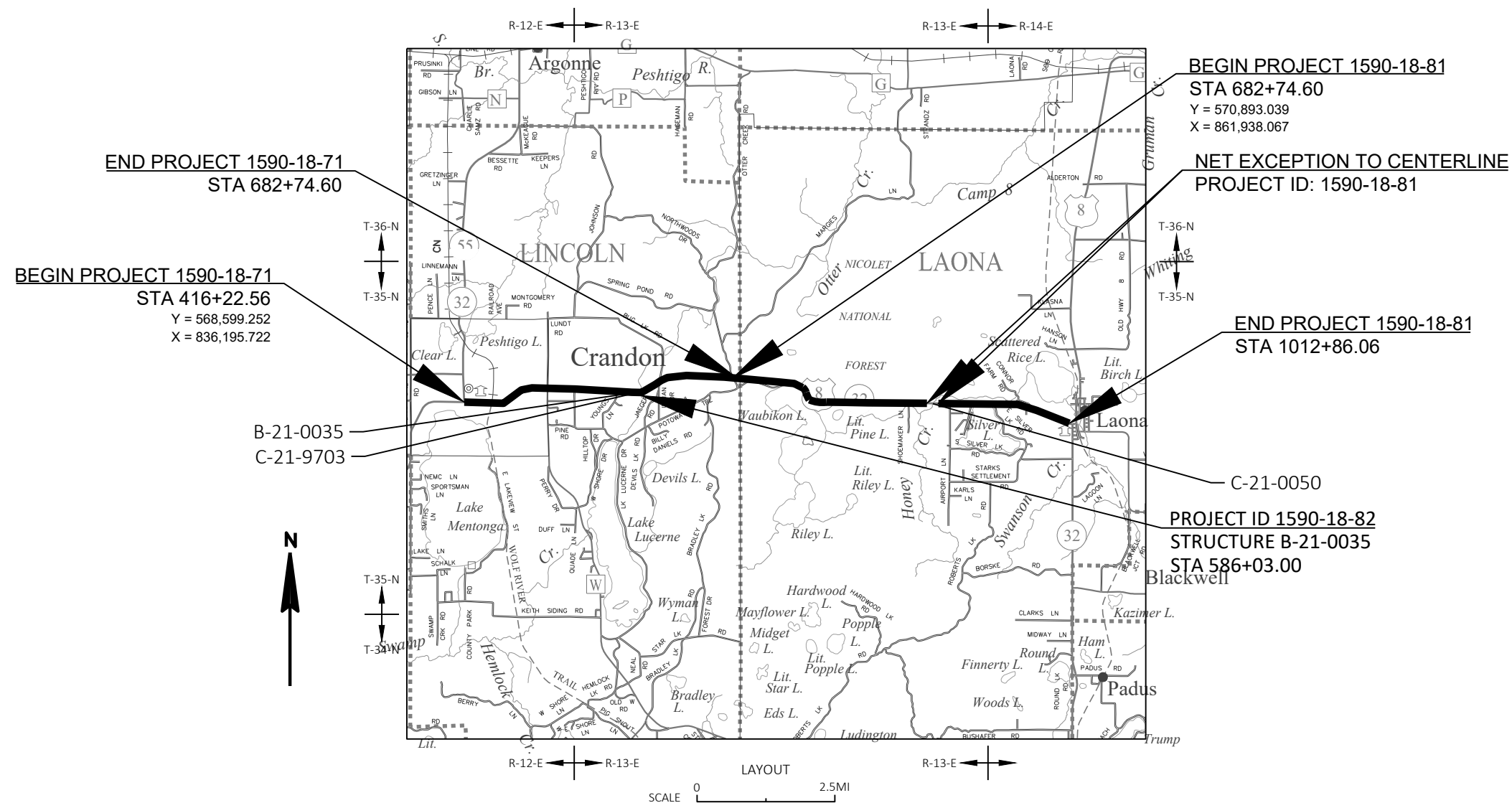
SITE 06
1590-14-72
USH 8
LINCOLN COUNTY

BEGIN PROJECT
STA 996+47.00
X=337638.352
Y=259230.116

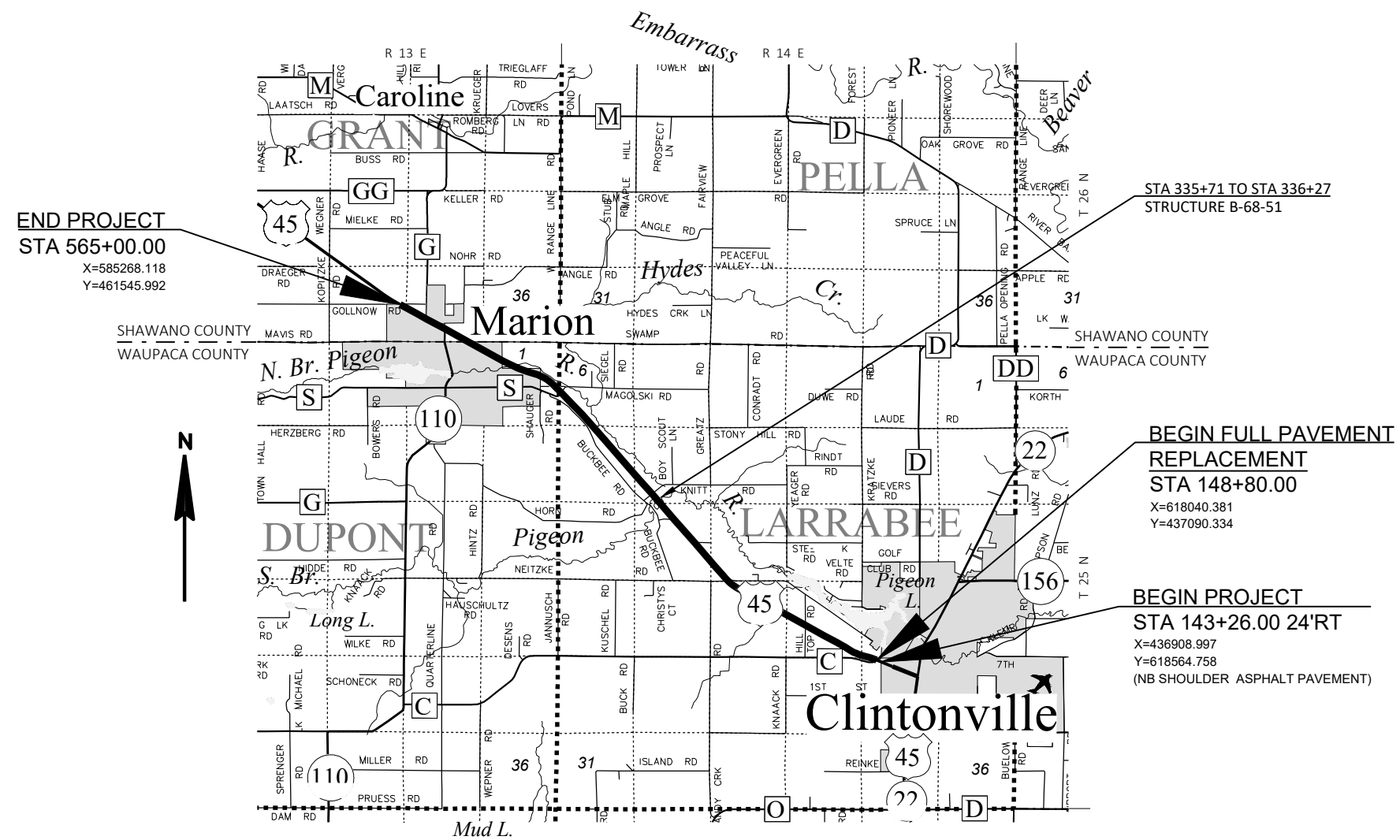
END PROJECT
STA 1479+00.00
X=383299.907
Y=253485.047



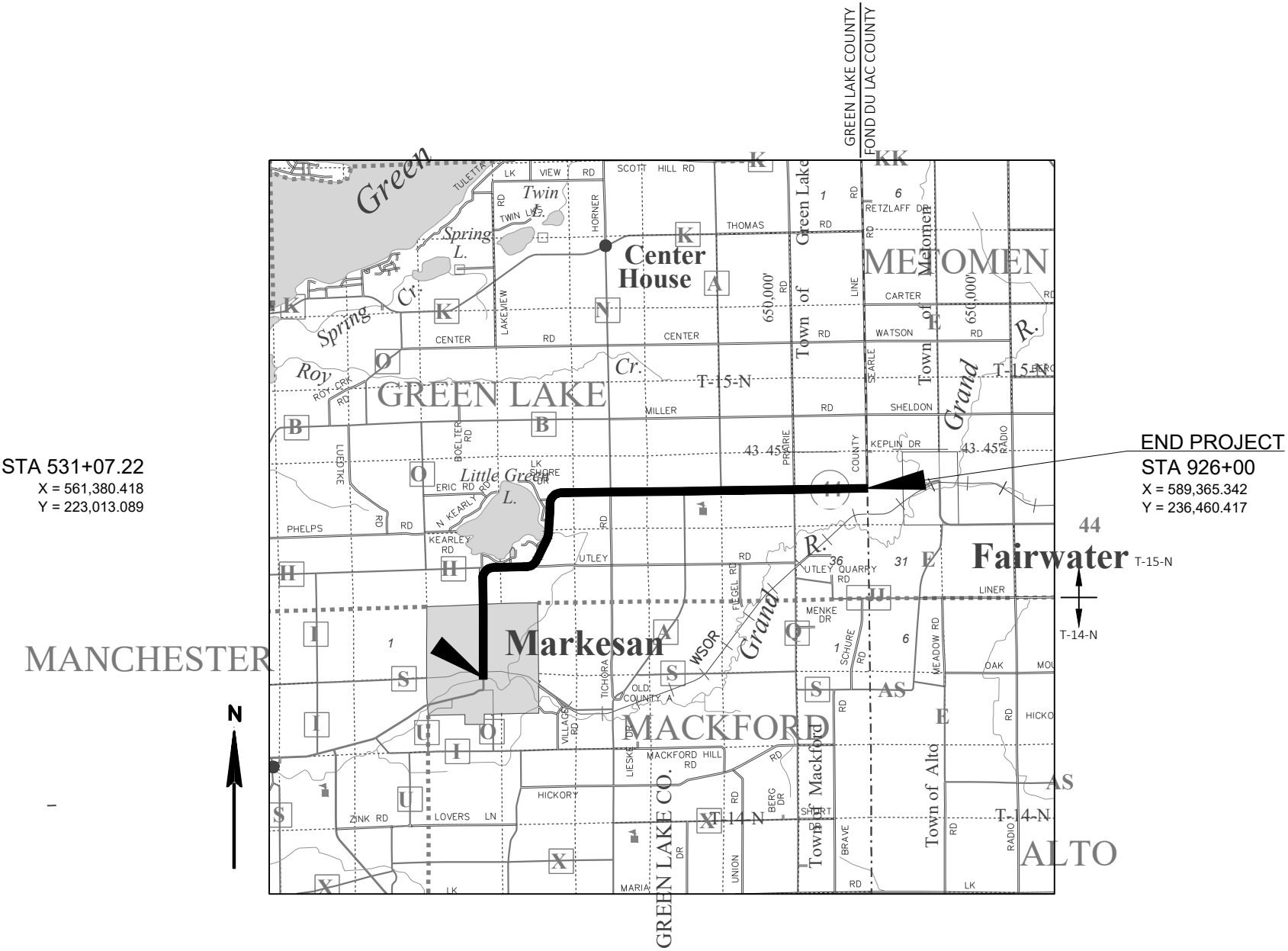
SITE 07
1590-18-71, 1590-18-81 AND 1590-18-82
USH 8
FOREST COUNTY



Site 08
USH 45
Waupaca & Shawano Counties
1600-15-70



SITE09
6100-00-70
STH 44
GREEN LAKE COUNTY



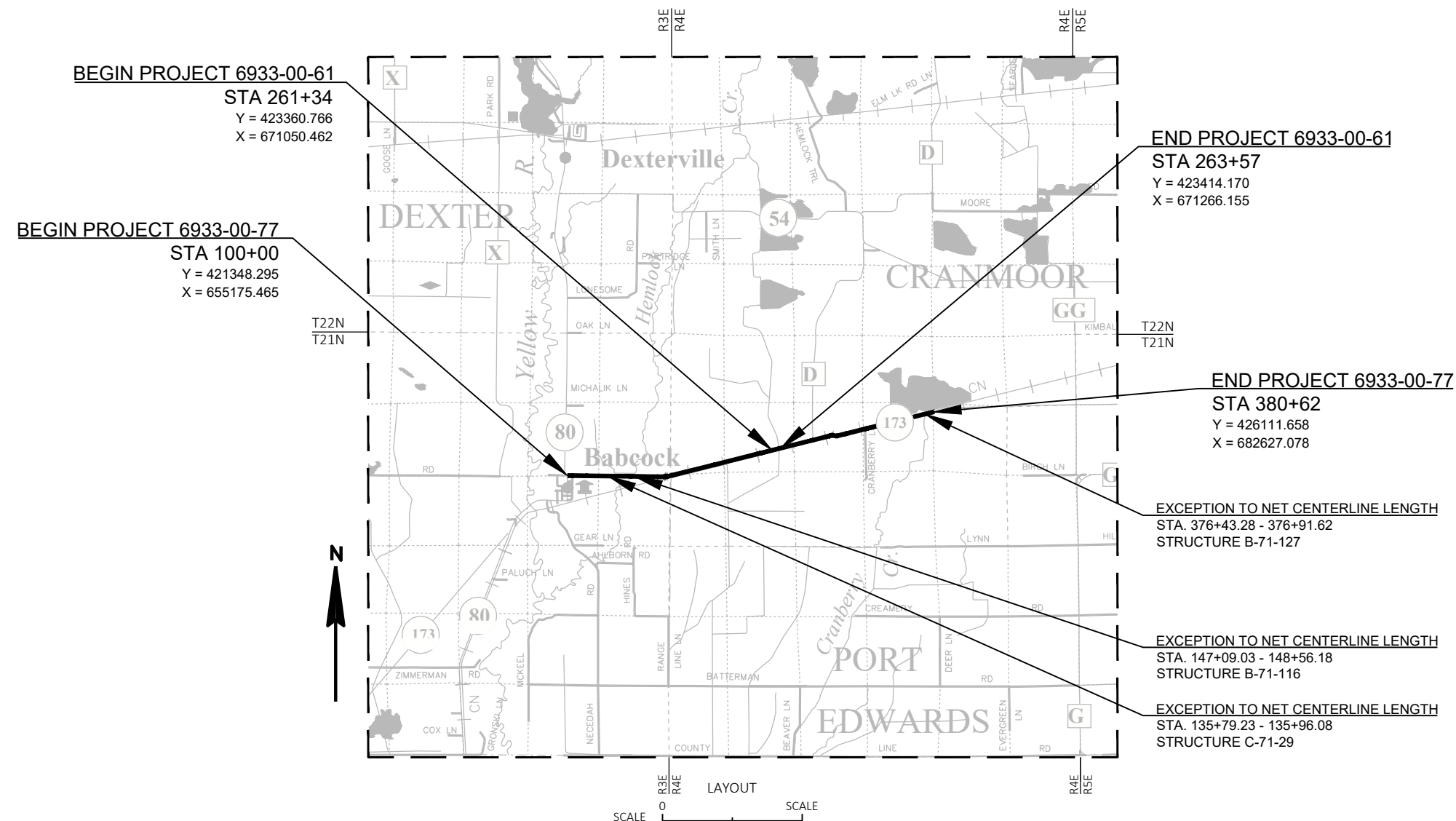
BEGIN PROJECT
STA 1+37
Y = 206,909.325
X = 902,502.602

BEGIN PROJECT
STA 1+37
Y = 206,909.325
X = 902,502.602

END PROJECT
STA 316+40



SITE 11
6933-00-61 AND 6933-00-77
STH 173
WOOD COUNTY



FARMINGTON

10

54

Q

Q

King

Rural

Waupaca

Mud L.

Silver L.

Sunset L.

Round L.

Rainbow L.

Knight L.

Pope L.

Hartman L.

Long L.

Hartman CREEK

HARTMAN CREEK

COBBTOWN

FROST VALLEY

ERICKSON

BUTTS

GOLKE

MINISTER

SMITH

PORTAGE CO R-10-E

WAUPACA CO R-11-E

BEGIN PROJECT 6991-00-74

STA 16+30.00

N = 340089.583

E = 500571.546

END PROJECT 6991-00-74

STA 261+95.00

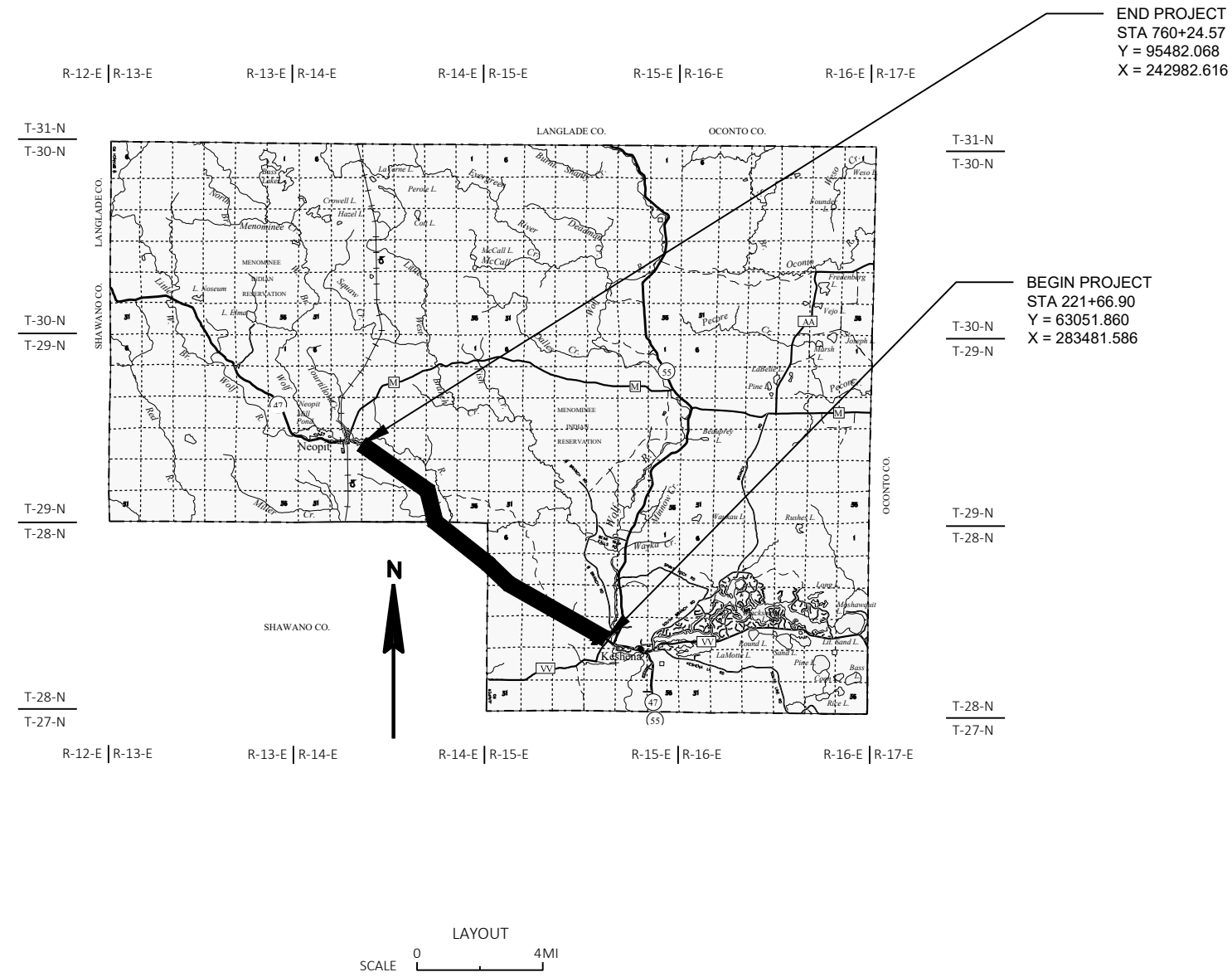
T-22-N

T-21-N

LAYOUT

SCALE 0 1 MI

SITE 13
9650-17-73
STH 47
MENOMINEE COUNTY



Estimate Of Quantities

1009-43-74					
Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	116.000	116.000
0004	201.0115	Clearing	ACRE	17.600	17.600
0006	213.0100	Finishing Roadway (project) 01. 1009-43-74	EACH	1.000	1.000
0008	616.0206	Fence Chain Link 6-FT	LF	240.000	240.000
0010	618.0100	Maintenance and Repair of Haul Roads (project) 01. 1009-43-74	EACH	1.000	1.000
0012	SPV.0060	Special 01. Mobilization Site	EACH	13.000	13.000
0014	SPV.0060	Special 02. Semi-permanent Restoration	EACH	13.000	13.000
0016	SPV.0060	Special 03. Work on Shoulder or Parking Lane Undivided Roadway	EACH	5.000	5.000
0018	SPV.0060	Special 04. Shoulder Closure on Divided Roadway	EACH	2.000	2.000
0020	SPV.0060	Special 05. Single Closure with Flagging Operation	EACH	6.000	6.000

3

CLEARING							
SITE	STA	TO	STA	LOCATION	201.0105 CLEARING STA	201.0115 CLEARING ACRE	COMMENTS
SITE 01	515+03	-	516+99	STH 17 LT / RT	2	-	C 63017003958
SITE 02	492+60	-	492+60	STH 55 LT/RT	1	-	6-INCH TREE ON EACH SIDE
	515+00	-	516+00	STH 55 RT/LT	1	-	
	877+00	-	878+00	STH 55 RT	1	-	
SITE 03	381+00	-	383+00	STH 47 RT + LT	2	-	
	655+00	-	656+00	STH 47 RT	1	-	
	672+00	-	673+00	STH 47 LT & RT	1	-	
	829+00	-	830+00	STH 47 LT	1	-	
	864+00	-	866+00	STH 47 LT	2	-	
SITE 04	1634+00	-	1635+00	STH 29 LT	1	-	
	1649+00	-	1650+00	STH 29 RT	1	-	
SITE 05	196+00	-	199+00	STH 29 WB LT	3	-	
SITE 06	1394+41	-	1397+63	USH 8 LT / RT	4	-	
	1399+45	-	1403+18	USH 8 LT / RT	5	-	
SITE 07	449+00	-	454+00	USH 8 LT/RT	5	-	
	553+00	-	607+00	USH 8 LT/RT	-	16.4	FOREST COUNTY POTAWATOMI LAND
	614+00	-	618+00	USH 8 LT	-	0.4	FOREST COUNTY POTAWATOMI LAND
	619+00	-	621+00	USH 8 LT	-	0.1	FOREST COUNTY POTAWATOMI LAND
	634+00	-	645+00	USH 8 LT/RT	11	-	FOREST COUNTY TREE OWNERSHIP OUTSIDE R/W
	670+00	-	674+00	USH 8 LT	4	-	FOREST COUNTY TREE OWNERSHIP OUTSIDE R/W
	679+00	-	682+00	USH 8 LT	3	-	FOREST COUNTY TREE OWNERSHIP OUTSIDE R/W
	682+00	-	684+00	USH 8 LT/RT	2	-	
	736+00	-	737+00	USH 8 LT	1	-	
	757+00	-	758+00	USH 8 LT	1	-	
	816+00	-	817+00	USH 8 LT/RT	1	-	
	858+00	-	859+00	USH 8 LT/RT	1	-	
	926+00	-	927+00	USH 8 LT	1	-	
	950+00	-	951+00	USH 8 LT/RT	1	-	
	1008+00	-	1010+00	USH 8 LT	2	-	
	12+00'Y'	-	17+00'Y'	YOUNGS LN LT/RT	-	0.7	FOREST COUNTY POTAWATOMI LAND
	21+00'KDK	-	22+00'KDK	KWE DA KIK LT/RT	1	-	FOREST COUNTY POTAWATOMI LAND
SITE 08	159+00	-	161+00	USH 45 LT / RT	2	-	
	182+00	-	184+00	USH 45 LT / RT	2	-	
	188+00	-	190+00	USH 45 LT / RT	2	-	
	333+00	-	339+00	USH 45 LT / RT	6	-	
	478+00	-	482+00	USH 45 LT / RT	4	-	
	518+00	-	531+00	USH 45 LT / RT	13	-	
	556+00	-	567+00	USH 45 RT	11	-	
SITE 09	570+00	-	571+00	STH 44 RT	1	-	
SITE 10	116+00	-	118+50	STH 156 RT	3	-	
SITE 11	314+91	-	316+10	STH 173 RT	3	-	10 TREES (9 DECIDUOUS TREES / 1 PINE TREE)
SITE 12	117+00	-	118+00	STH 54 LT	1	-	
SITE 13	295+00	-	296+00	STH 47 LT / RT	1	-	
	590+77	-	590+77	STH 47 LT / RT	1	-	
	590+81	-	590+81	STH 47 LT / RT	1	-	
	403+00	-	405+00	STH 47 LT	2	-	
	406+00	-	407+00	STH 47 LT	1	-	
	411+00	-	413+00	STH 47 LT	2	-	
CONTRACT TOTAL					116	17.6	

3

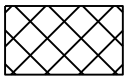
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RESORATION AND TRAFFIC CONTROL					
	SPV.0060.01	SPV.0060.02	SPV.0060.03	SPV.0060.04	SPV.0060.05
	MOBILIZATION SITE	SEMI-PERMENT	WORK ON SHOULDER	SHOULDER CLOSURE	SINGLE CLOSURE WITH FLAGGING
	EACH	RESTORATION	OR PARKING LANE	ON DIVIDED ROADWAY	OPERATION
SITE		EACH	UNDIVIDED ROADWAY	EACH	EACH
1	1	1	1	-	-
2	1	1	-	-	1
3	1	1	-	-	1
4	1	1	-	1	-
5	1	1	-	1	-
6	1	1	1	-	-
7	1	1	-	-	1
8	1	1	1	-	-
9	1	1	1	-	-
10	1	1	-	-	1
11	1	1	-	-	1
12	1	1	1	-	-
13	1	1	-	-	1
CONTRACT TOTAL	13	13	5	2	6

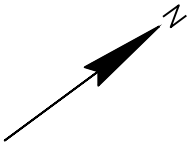
FENCE CHAIN LINK					
					616.0206
					FENCE CHAIN
					LINK 6-FT
SITE	STA	TO	STA	LOCATION	LF
SITE 07	587+17	-	589+20	USH 8 RT	240
CONTRACT TOTAL					240

3

LEGEND

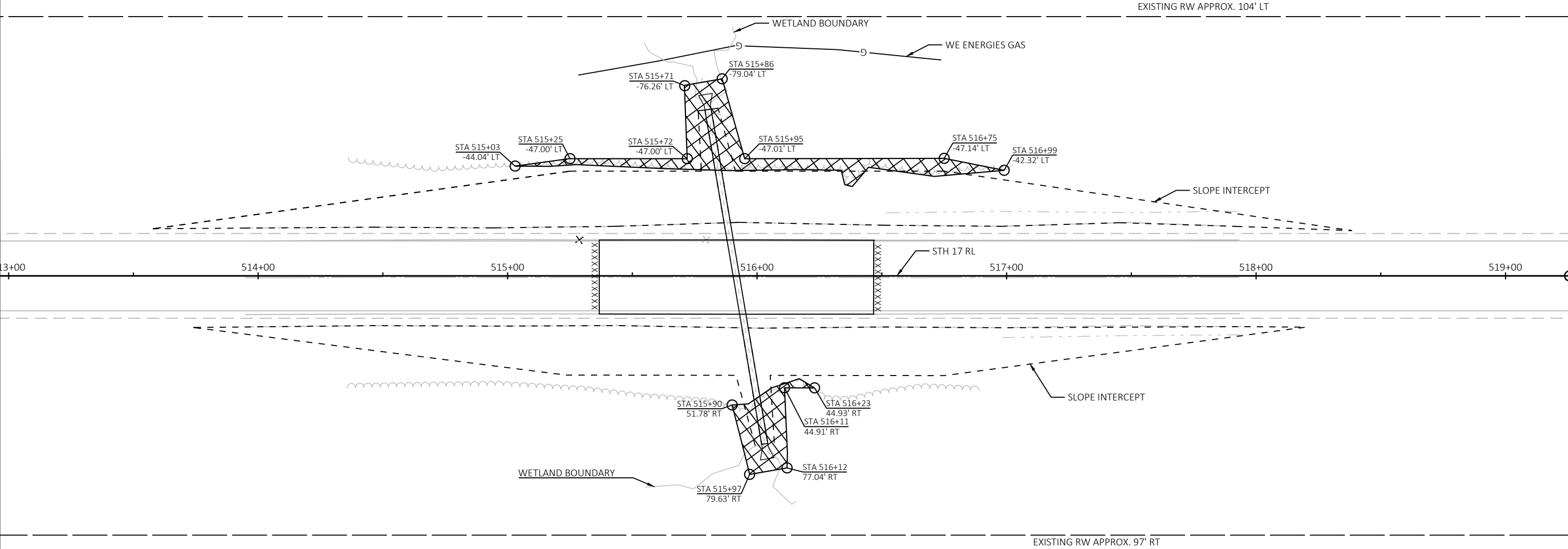


CLEARING AREAS



5

5



Note: Slope intercepts are approximate, clearing limits are exact.

5

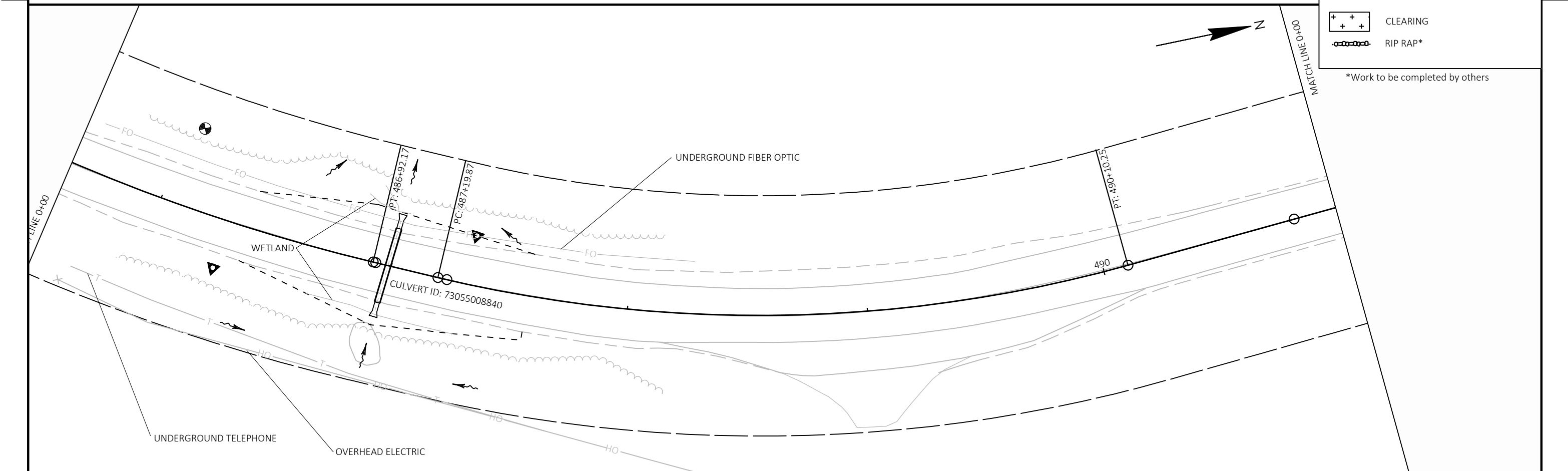
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Legend:

- SLOPE INTERCEPT (APPROX)
- ~ DIRECTION OF FLOW
- x CLEARING

Diagram Labels:

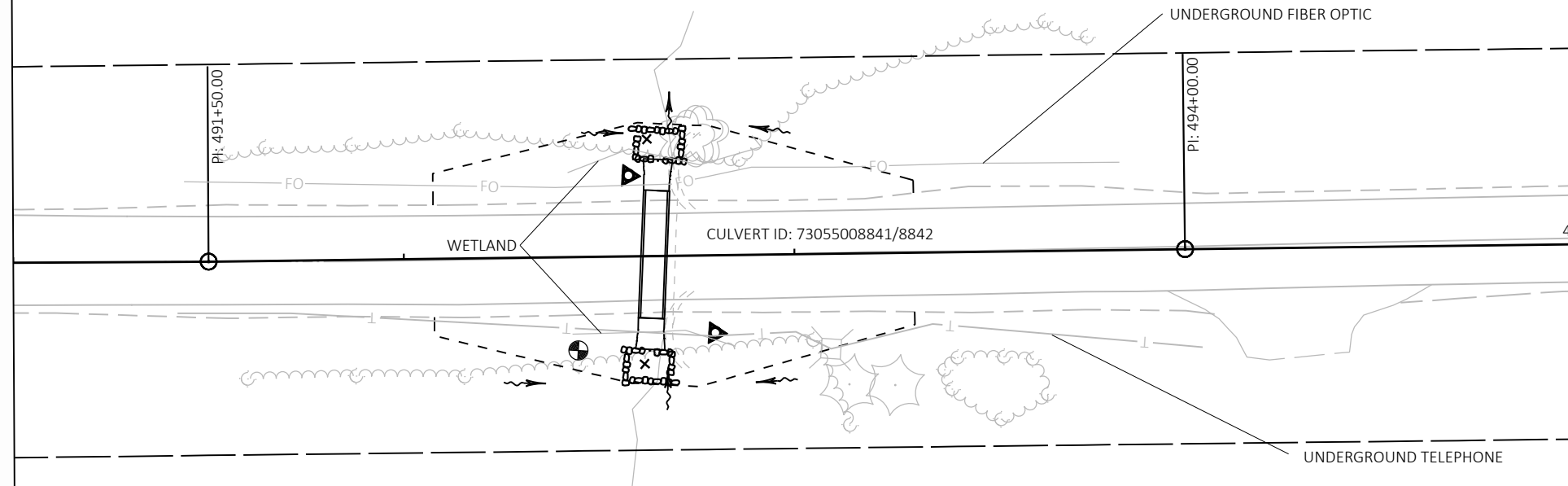
- UNDERGROUND FIBER OPTIC
- WETLAND
- CULVERT ID: 73055008839
- UNDERGROUND TELEPHONE
- OVERHEAD ELECTRIC
- FO (Fiber Optic)
- T (Telephone)
- OH (Overhead Electric)
- PI: 480+00.00
- PI: 483+00.00
- PC: 484+04.92
- 480
- 485
- MATCH LINE 0+00



SHEET	23	E
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WISDOT/CADDS SHEET 44

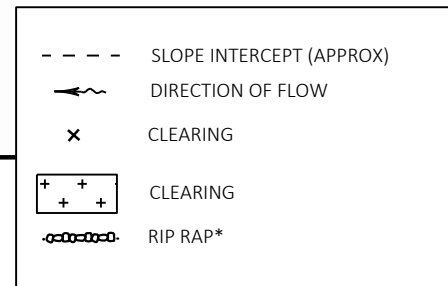
MATCHL



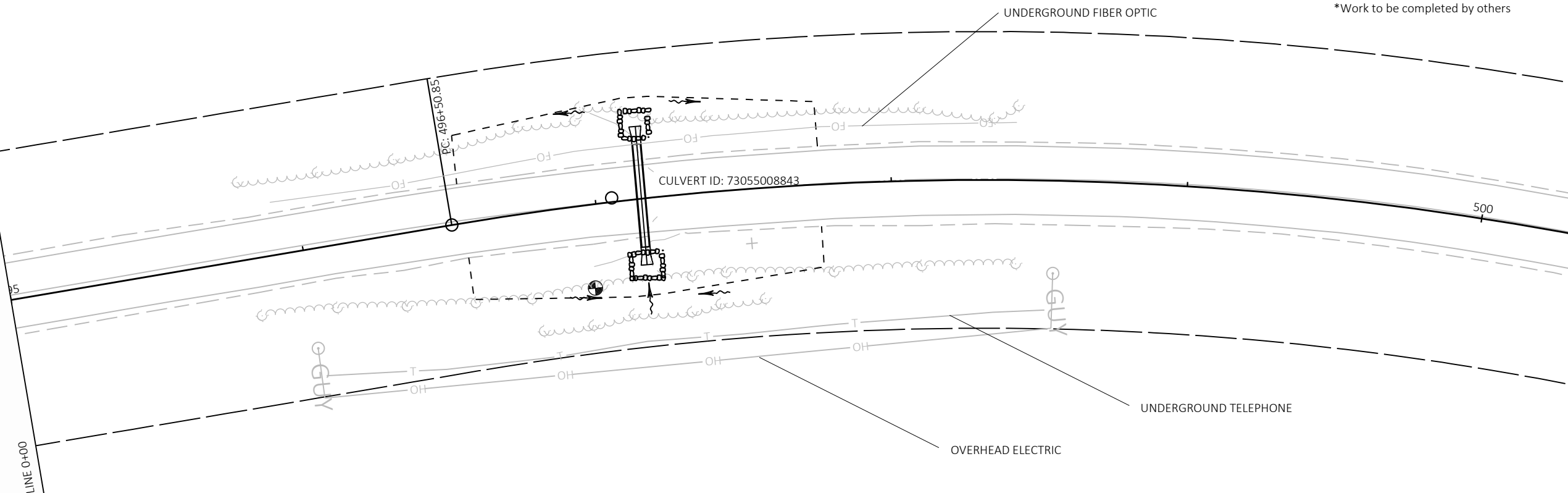
CH LINE 0+00

5

5



*Work to be completed by others



LINE 0+00

34

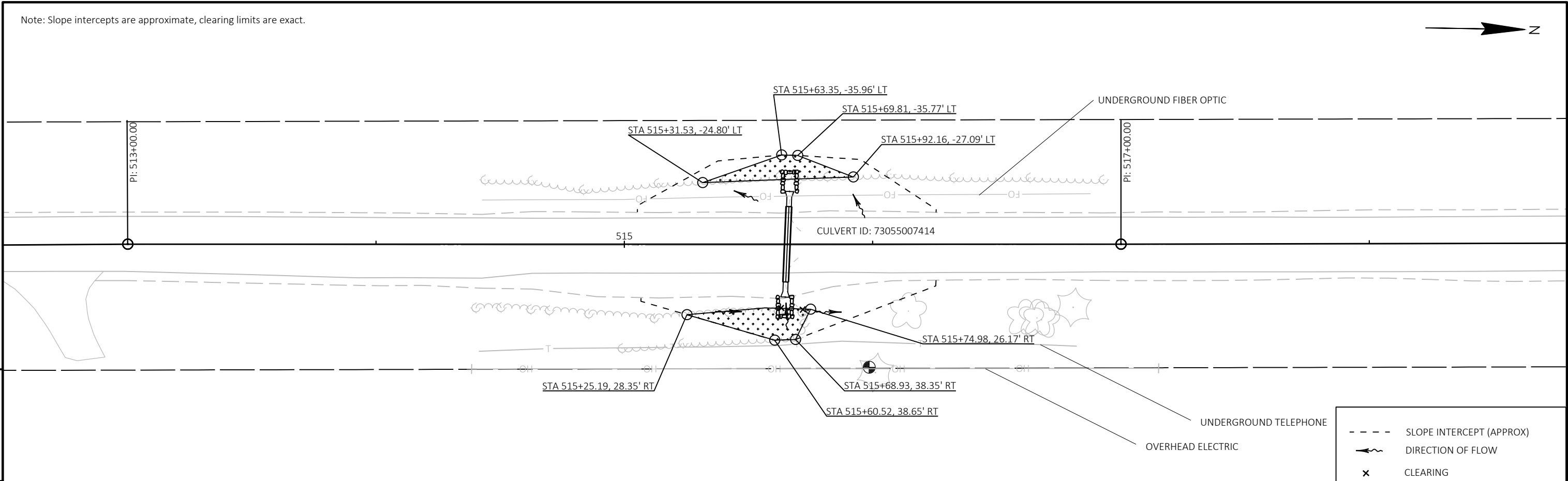
E

WISDOT/CADDS SHEET 44

Note: Slope intercepts are approximate, clearing limits are exact.



5



5

SLOPE INTERCEPT (APPROX)

DIRECTION OF FLOW

x

CLEARING

++

CLEARING

RIP RAP*

*Work to be completed by others

Note: Slope intercepts are approximate, clearing limits are exact.



5

5

SLOPE INTERCEPT (APPROX)

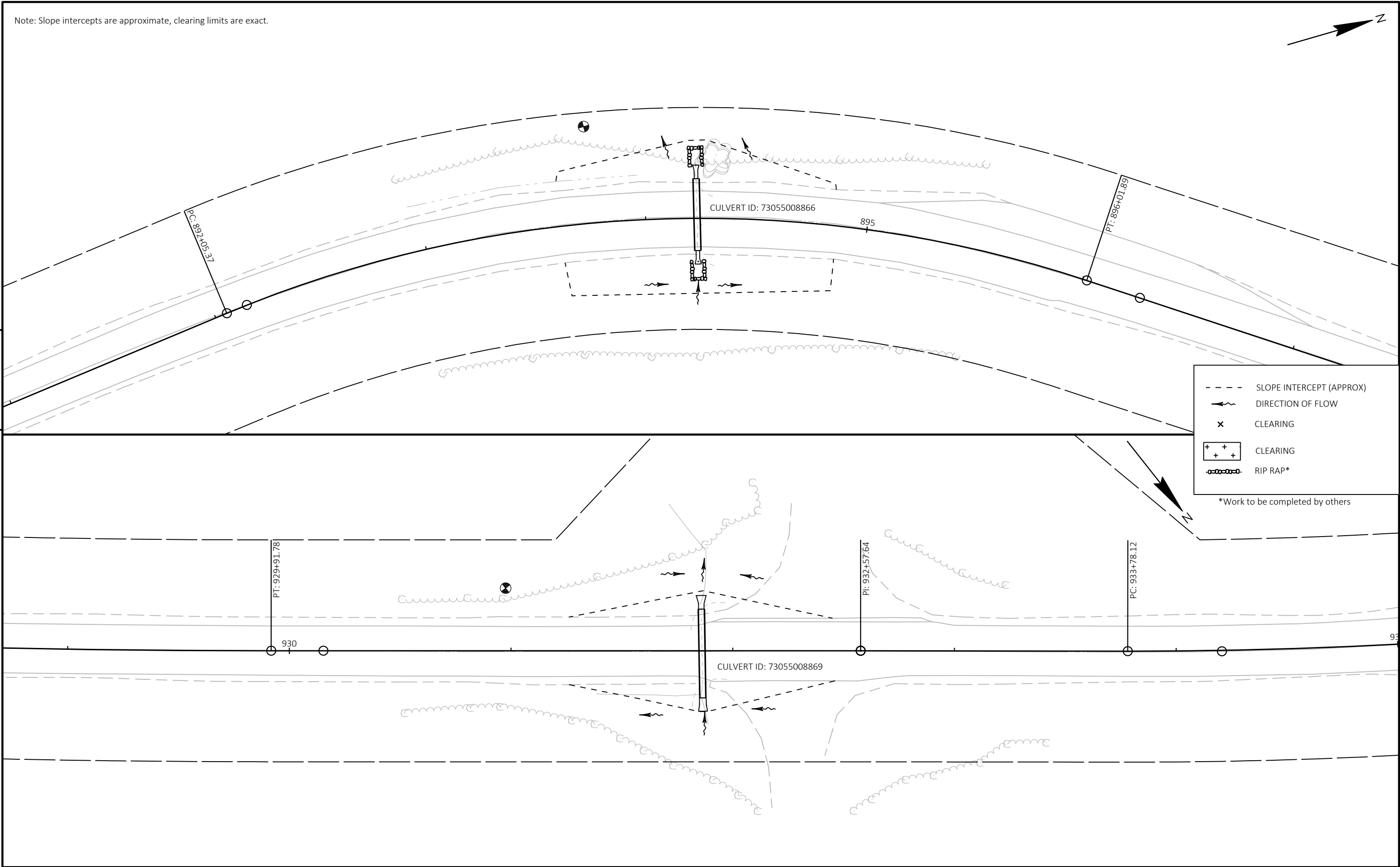
DIRECTION OF FLOW

CLEARING

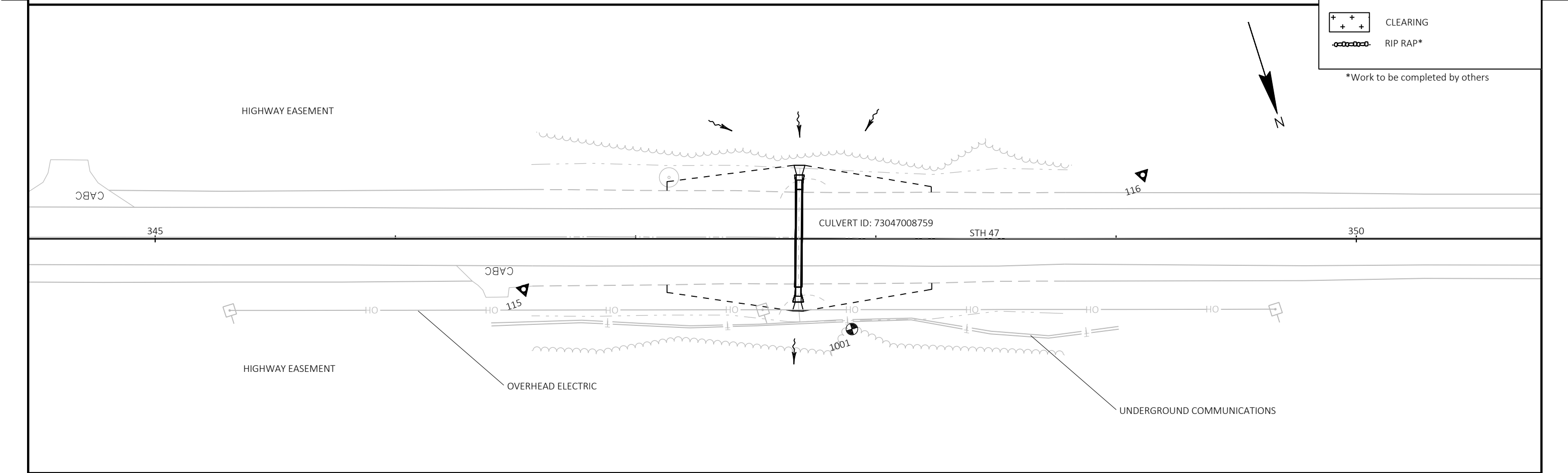
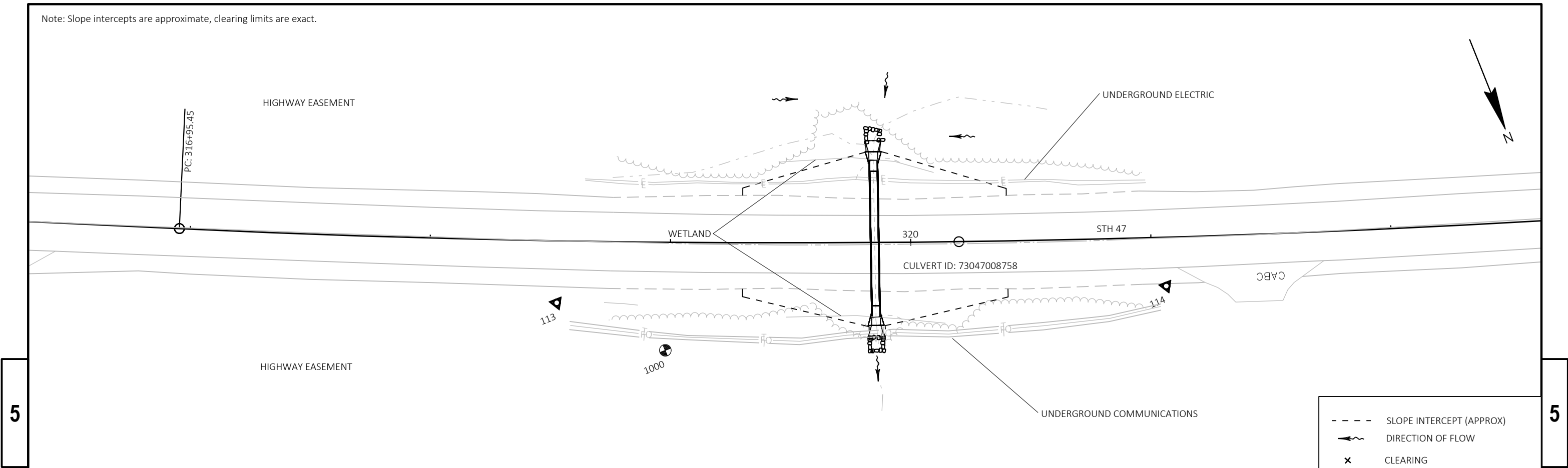
CLEARING

RIP RAP*

*Work to be completed by others



Note: Slope intercepts are approximate, clearing limits are exact.

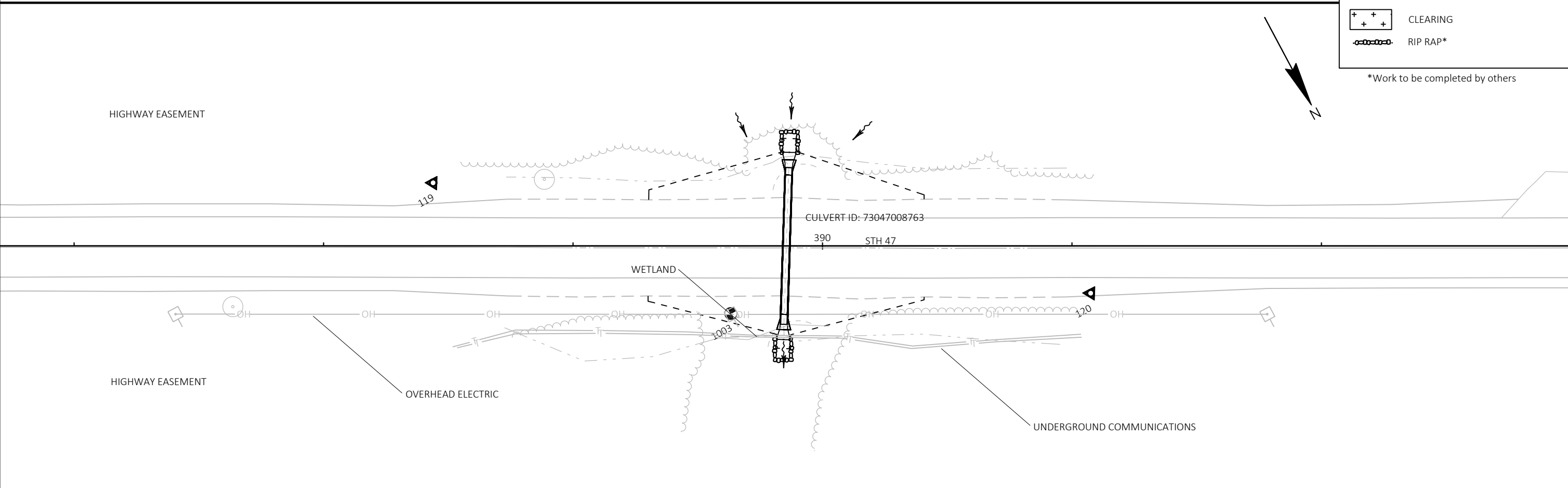
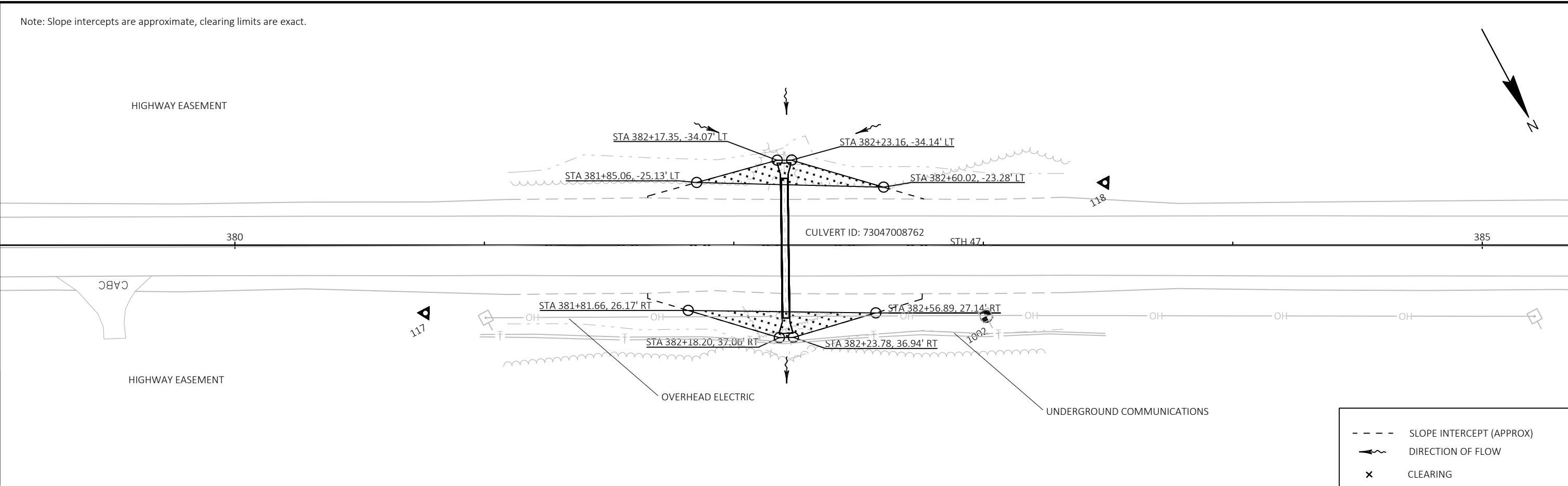


Legend:

- - - SLOPE INTERCEPT (APPROX)
- ~ DIRECTION OF FLOW
- x CLEARING
- + + + CLEARING
- o-o-o-o RIP RAP*

*Work to be completed by others

Note: Slope intercepts are approximate, clearing limits are exact.



Note: Slope intercepts are approximate, clearing limits are exact.

HIGHWAY EASEMENT

STA 403+87.94, -25.91' LT

STA 404+26.97, -38.87' LT

STA 404+72.50, -26.89' LT

PC: 406+05.30

SHOWN FOR INFORMATIONAL PURPOSES - 8764 AREAS SHOWN
ARE PART OF A LARGER CLEARING AREA UNDER 9650-17-03

CULVERT ID: 73047008764

STA 404+23.79, 25.40' RT

STA 404+37.19, 25.48' RT

STA 404+26.44, 37.48' RT

STA 404+33.69, 37.10' RT

HIGHWAY EASEMENT

OVERHEAD ELECTRIC

UNDERGROUND COMMUNICATIONS

- - - SLOPE INTERCEPT (APPROX)
- DIRECTION OF FLOW
- x CLEARING
- + + + CLEARING
- o-o-o- RIP RAP*

*Work to be completed by others

HIGHWAY EASEMENT

PI: 620+00.00

CULVERT ID: 73047008770

STH 47

WETLAND

HIGHWAY EASEMENT

UNDERGROUND COMMUNICATIONS

UNDERGROUND COMMUNICATIONS

PROJECT NO: 1009-43-74

HWY: STH 47

COUNTY: MENOMINEE

TREE CLEARING SITE 03

SHEET

39

E

FILE NAME : X:\PROJECTS\MENOMINEE\STH 47 & STH 55\220114 1009-43-39 STH 47 CULVERTS\DESIGN\C3D\SHEETSPLAN\CLEARING AND GRUBBING\022001-CLEAR & GRUBBING - 3-18-24.DWG
LAYOUT NAME - 03

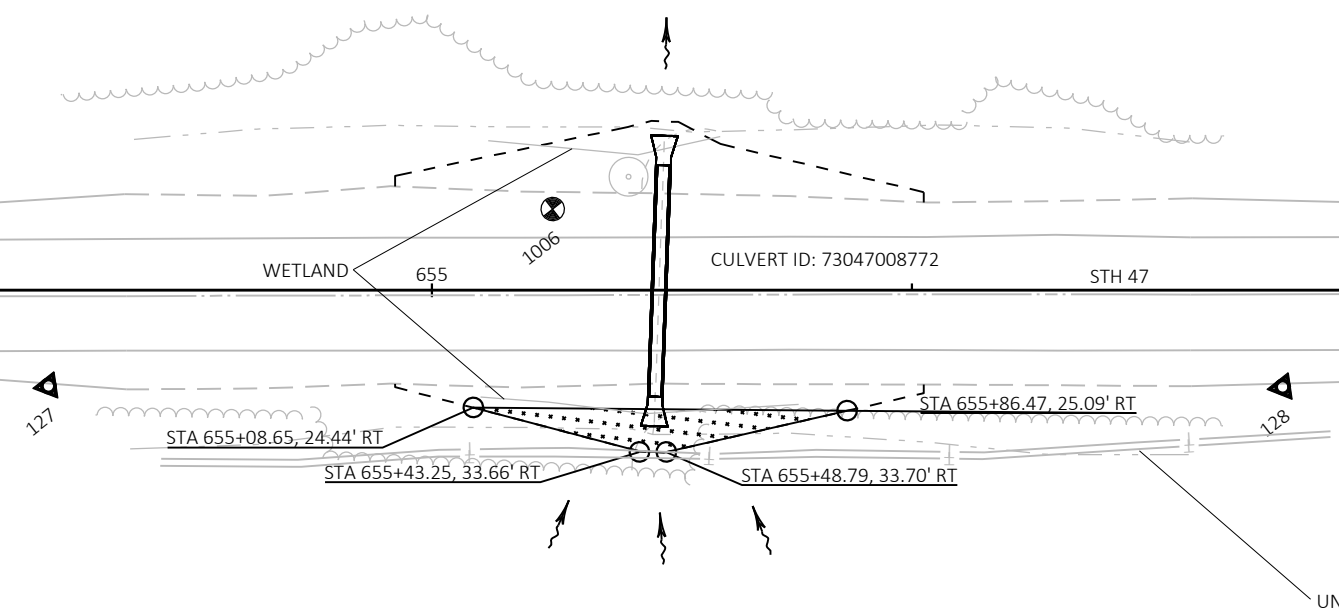
PLOT DATE : 5/10/2024 10:19 PM

PLOT BY : KEVIN LOHFF

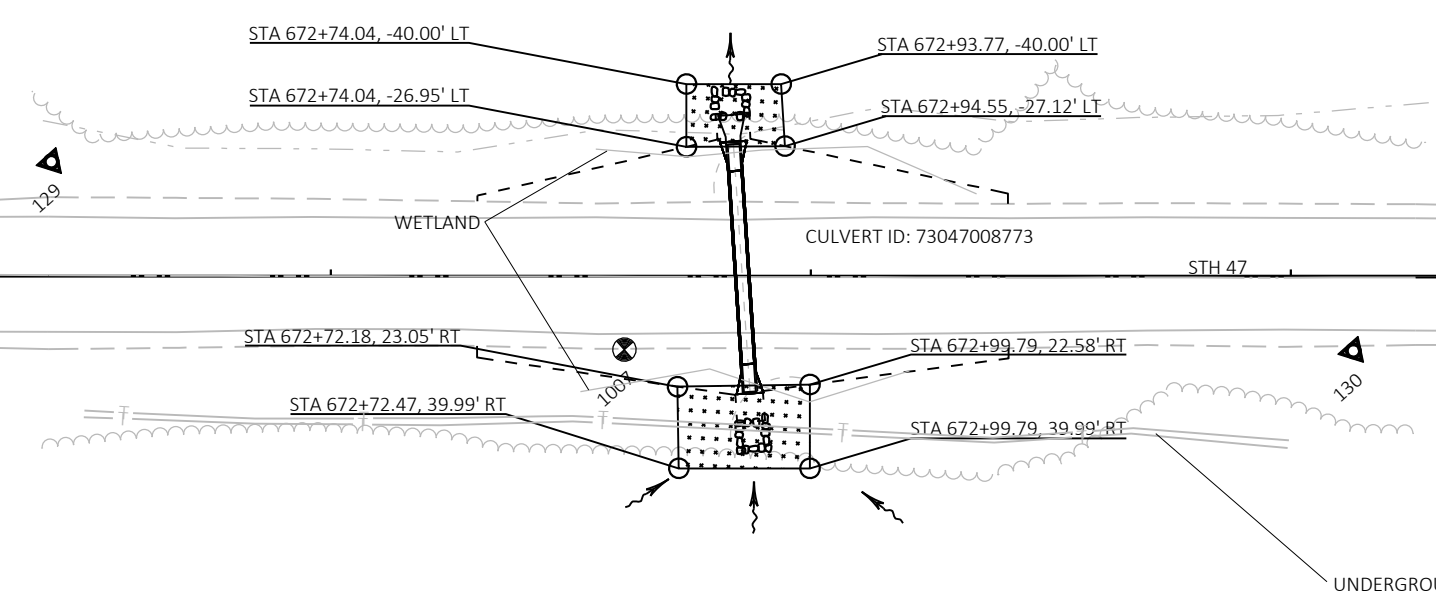
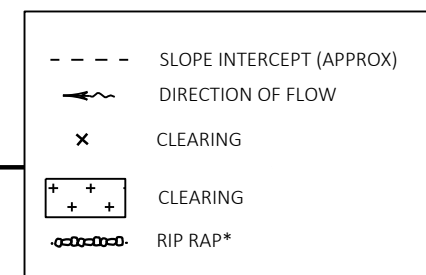
PLOT NAME :

PLOT SCALE : 1 IN:40 FT

WISDOT/CADDs SHEET 44

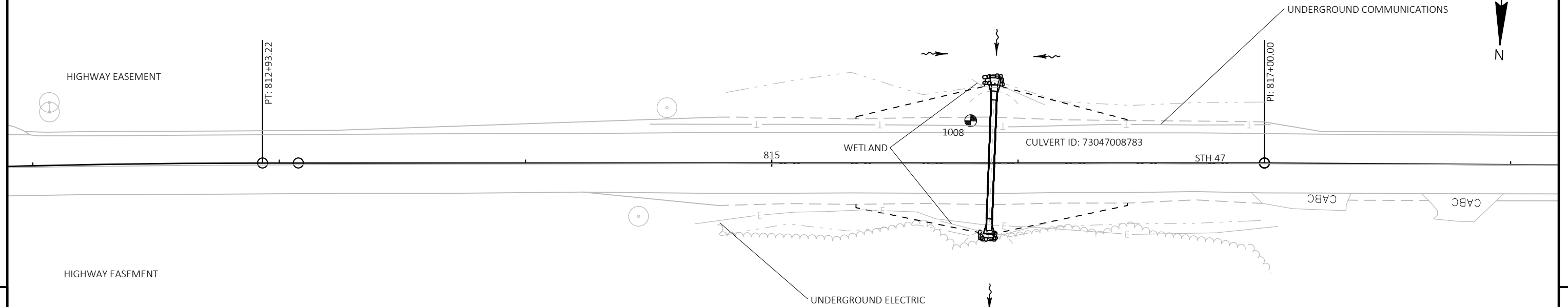


UNDERGROUND COMMUNICATIONS



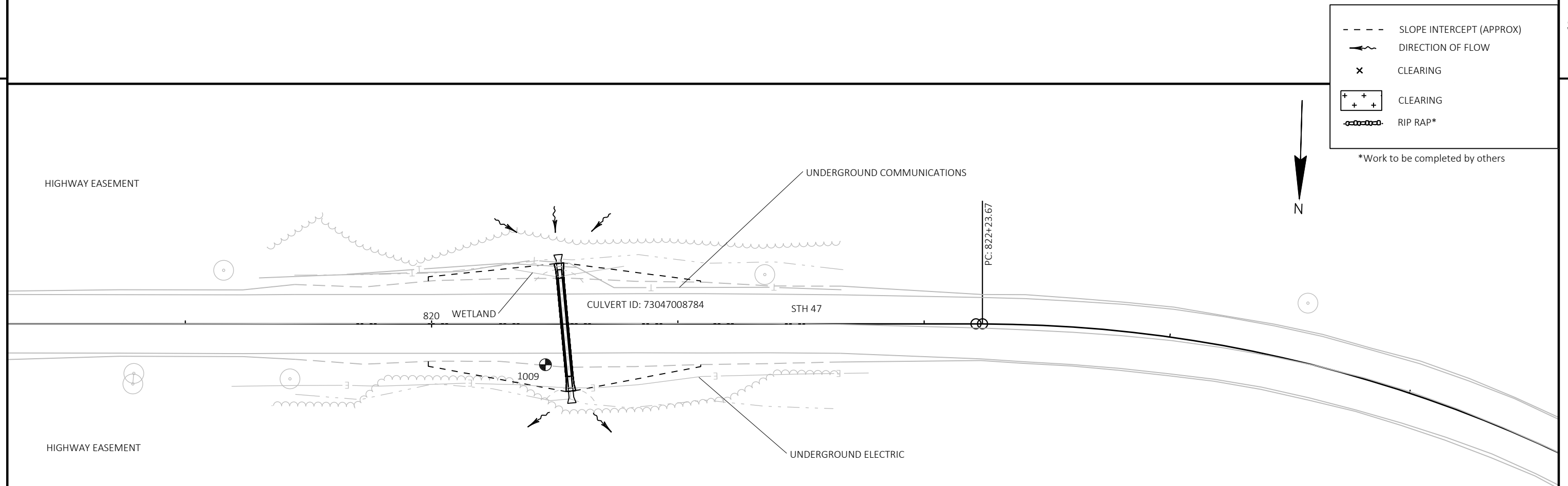
UNDERGROUND COMMUNICATIONS

Note: Slope intercepts are approximate, clearing limits are exact.



5

5 |



PROJECT NO:	1009-43-74
-------------	------------

HWY: STH 47

COUNTY: MENOMINEE

TREE CLEARING SITE 03

SHEET

41

-
-
-

Note: Slope intercepts are approximate, clearing limits are exact.

HIGHWAY EASEMENT

STA 829+18.58, -33.98' LT

STA 829+23.67, -37.15' LT

UNDERGROUND COMMUNICATIONS

STA 828+80.78, -18.09' LT

STA 830+06.06, -16.45' LT

WETLAND

CULVERT ID: 73047008785

830 STH 47

STA 828+80.78, 16.49' RT

STA 830+05.94, 18.43' RT

STA 829+62.87, 36.09' RT

UNDERGROUND ELECTRIC

ML - (22)

5

5

- - - SLOPE INTERCEPT (APPROX)
- DIRECTION OF FLOW
- ✕ CLEARING
- + + + CLEARING
- ⚡ RIP RAP*

*Work to be completed by others

HIGHWAY EASEMENT

UNDERGROUND COMMUNICATIONS

1011

CULVERT ID: 73047008786

835

STH 47

HIGHWAY EASEMENT

UNDERGROUND ELECTRIC

MATCH LINE 832+00

PROJECT NO: 1009-43-74

HWY: STH 47

COUNTY: MENOMINEE

TREE CLEARING SITE 03

SHEET 42

E

Note: Slope intercepts are approximate, clearing limits are exact.

HIGHWAY EASEMENT

UNDERGROUND COMMUNICATIONS

N

CULVERT ID: 73047008789

STH 47

HIGHWAY EASEMENT

UNDERGROUND ELECTRIC

UNDERGROUND COMMUNICATIONS

5

5

- SLOPE INTERCEPT (APPROX)
--- DIRECTION OF FLOW
x CLEARING
+ + + CLEARING
- - - RIP RAP*

*Work to be completed by others

HIGHWAY EASEMENT

STA 864+54.64, -35.72' LT

STA 865+47.44, -34.69' LT

STA 865+47.59, -21.91' LT

STA 864+06.20, -24.80' LT

865

STH 47

CULVERT ID: 73047008790

UNDERGROUND COMMUNICATIONS

HIGHWAY EASEMENT

STA 864+21.25, 34.92' RT

UNDERGROUND ELECTRIC

UNDERGROUND COMMUNICATIONS

PROJECT NO: 1009-43-74

HWY: STH 47

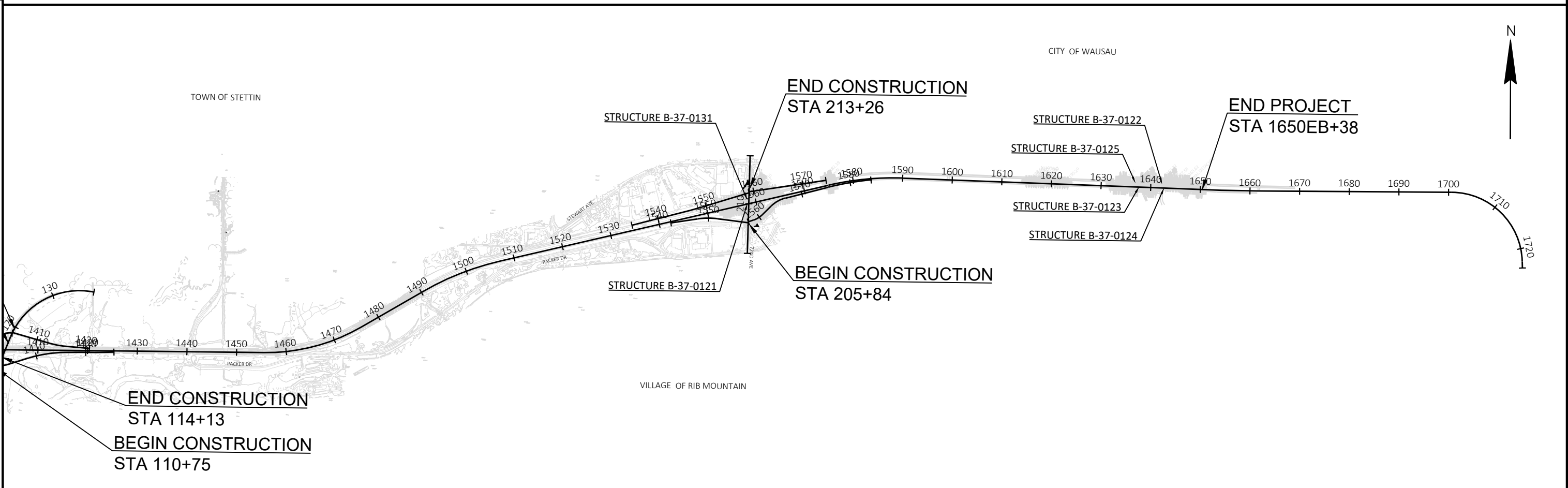
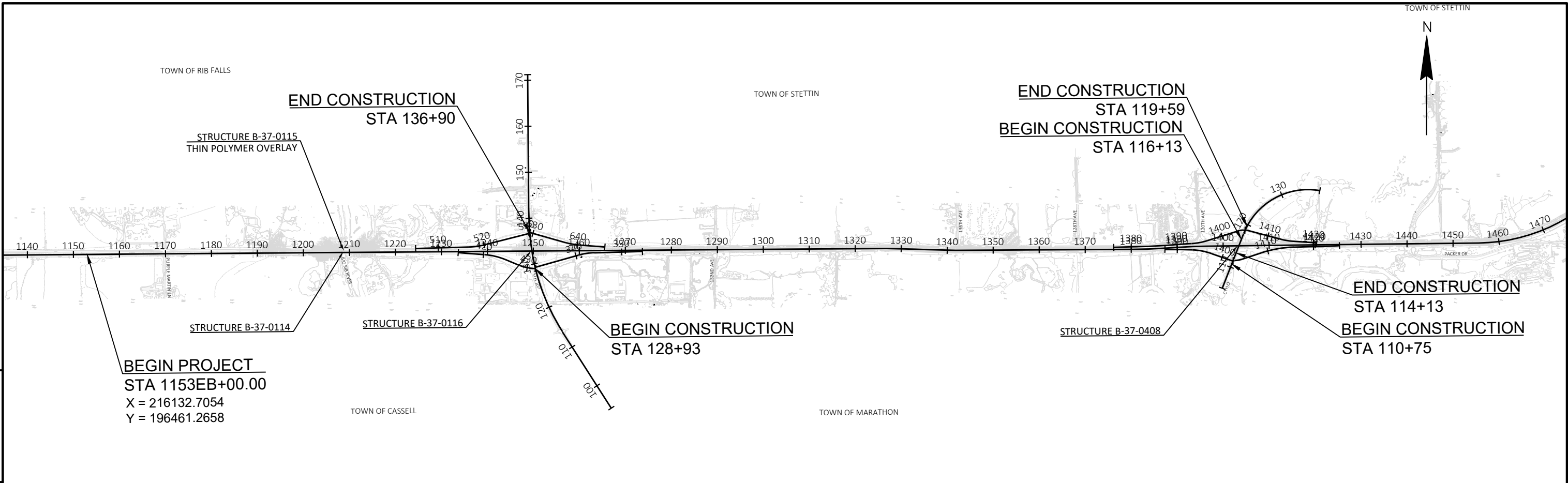
COUNTY: MENOMINEE

TREE CLEARING SITE 03

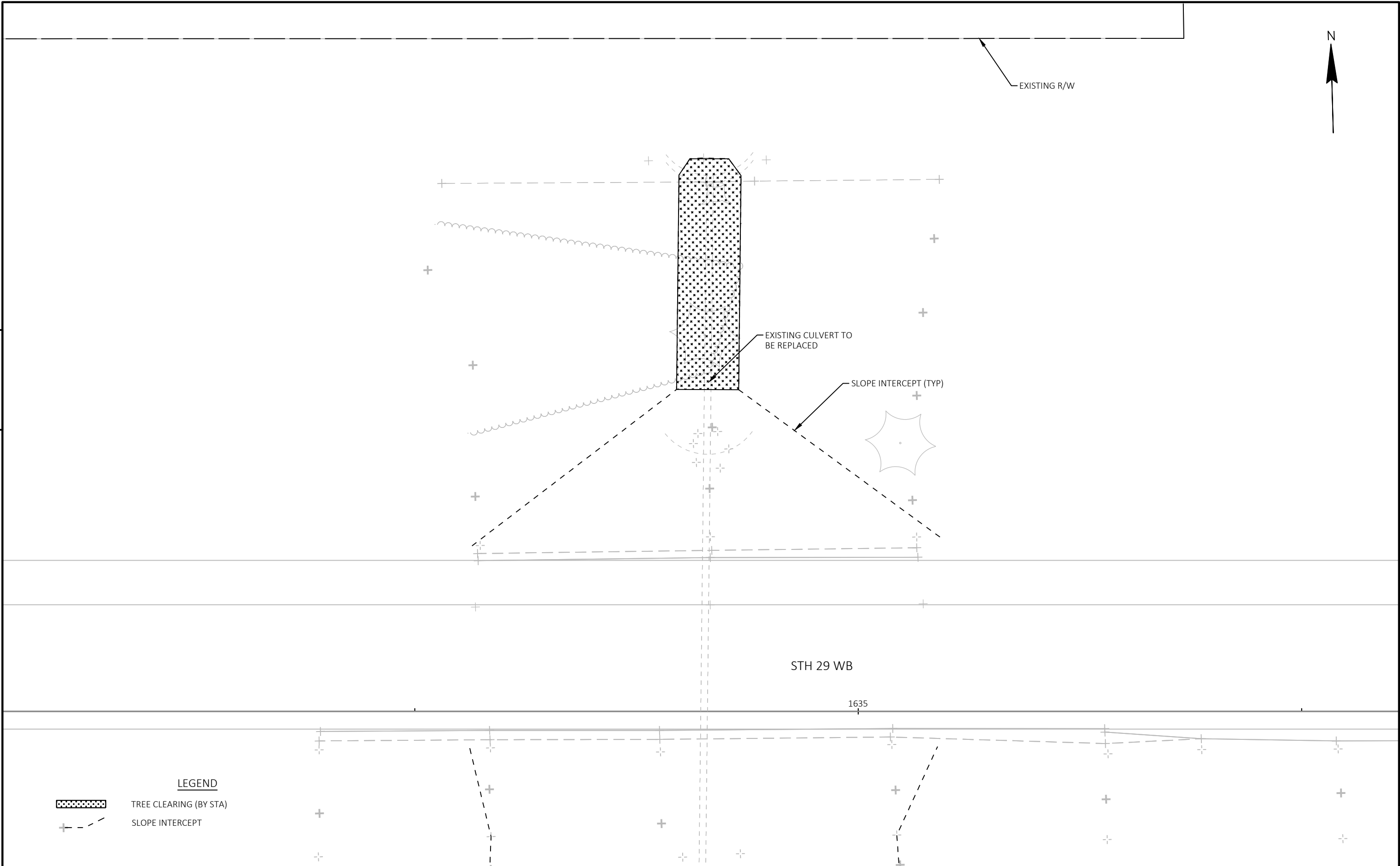
SHEET

43

E

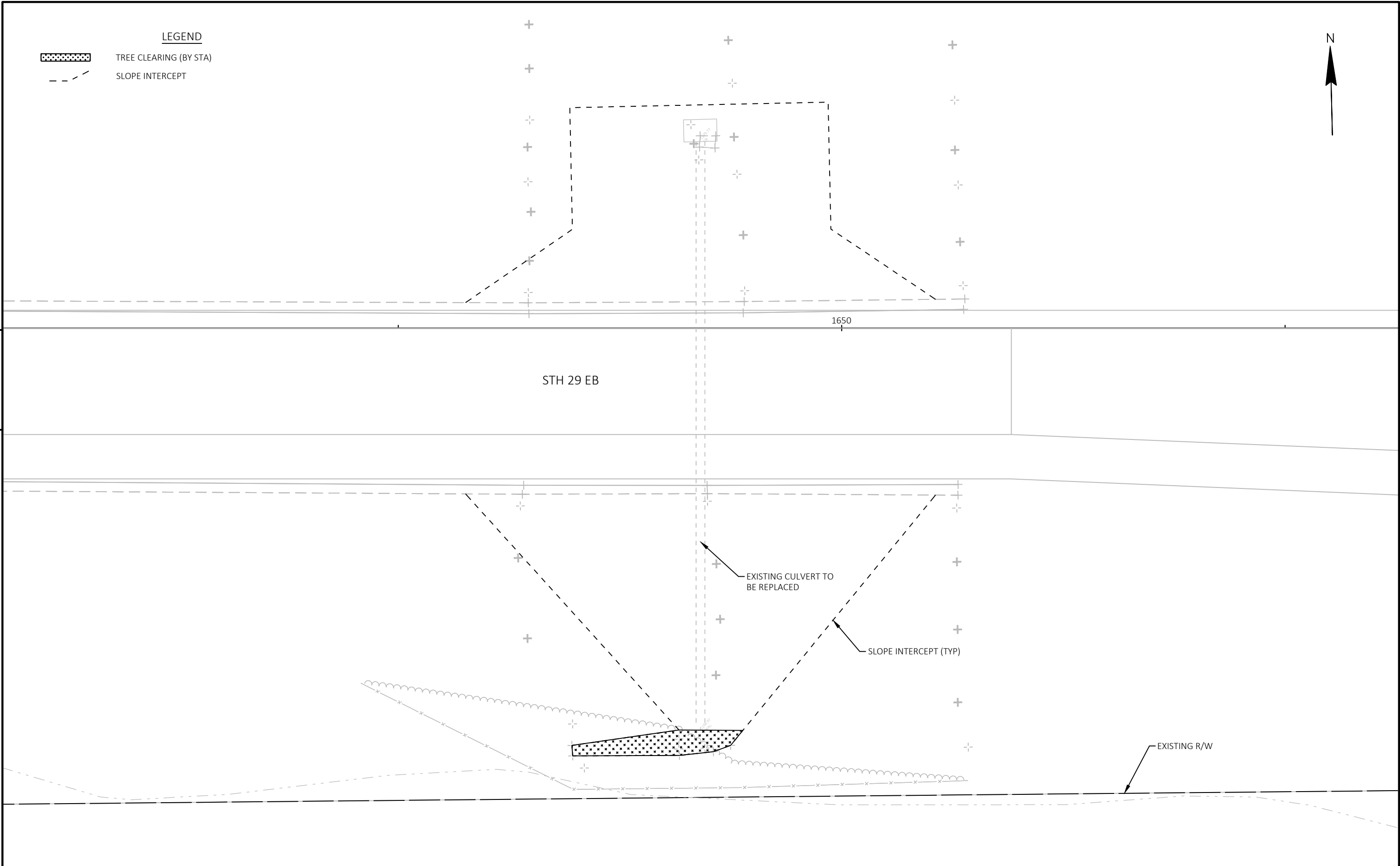


PROJECT NO: 1009-43-74	HWY: STH 29	COUNTY: MARATHON	PROJECT OVERVIEW SITE 04	SHEET 44	E
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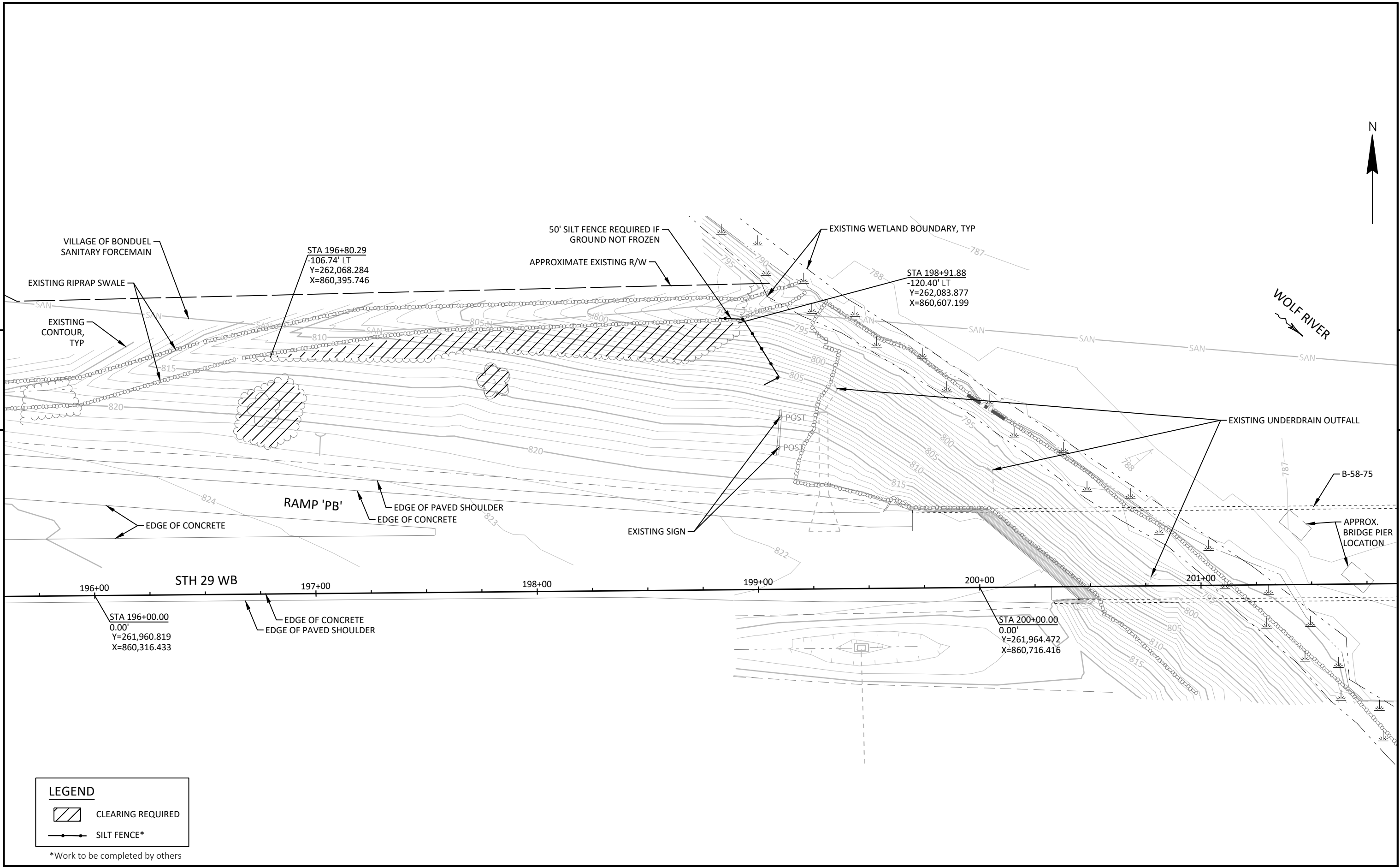


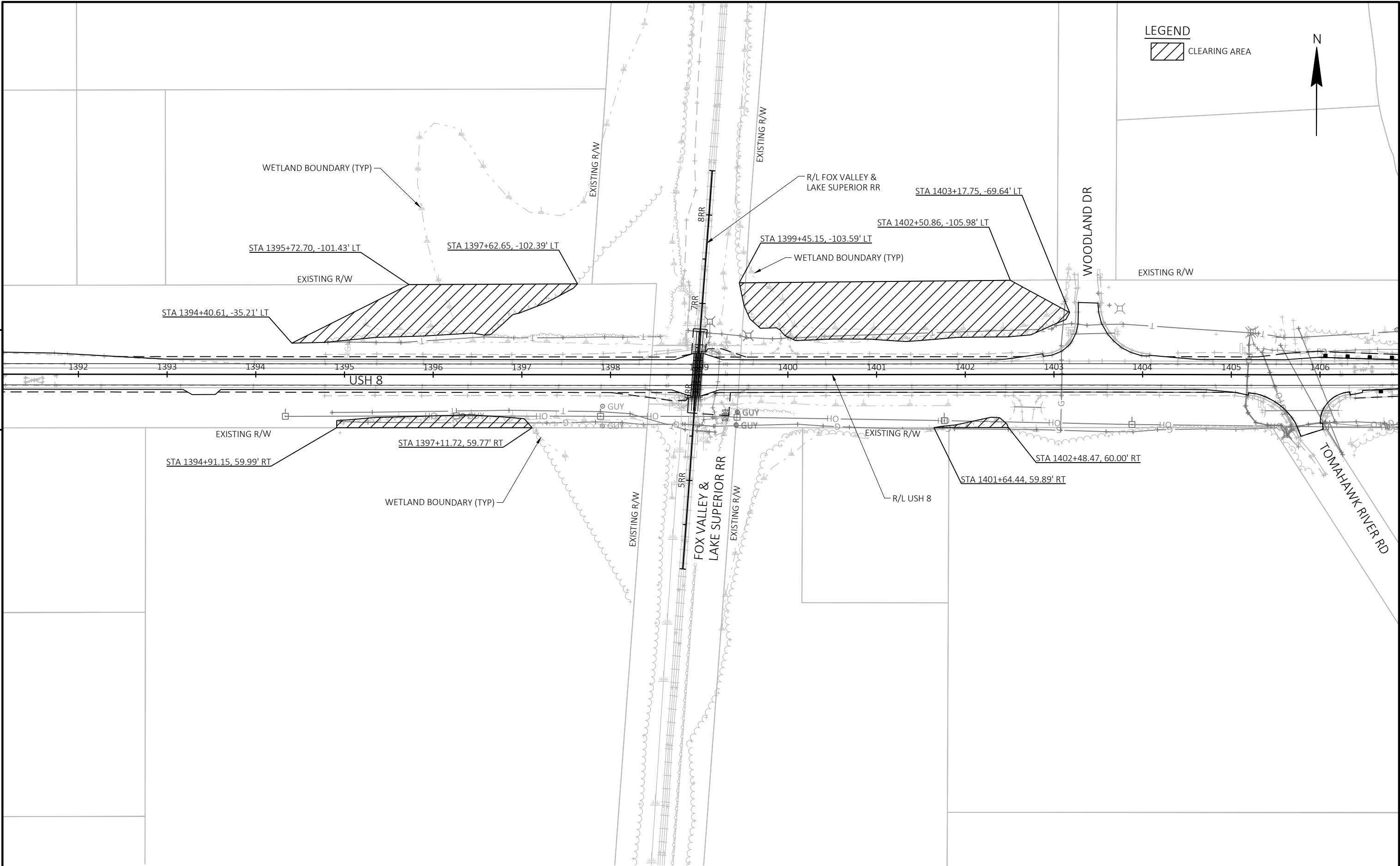
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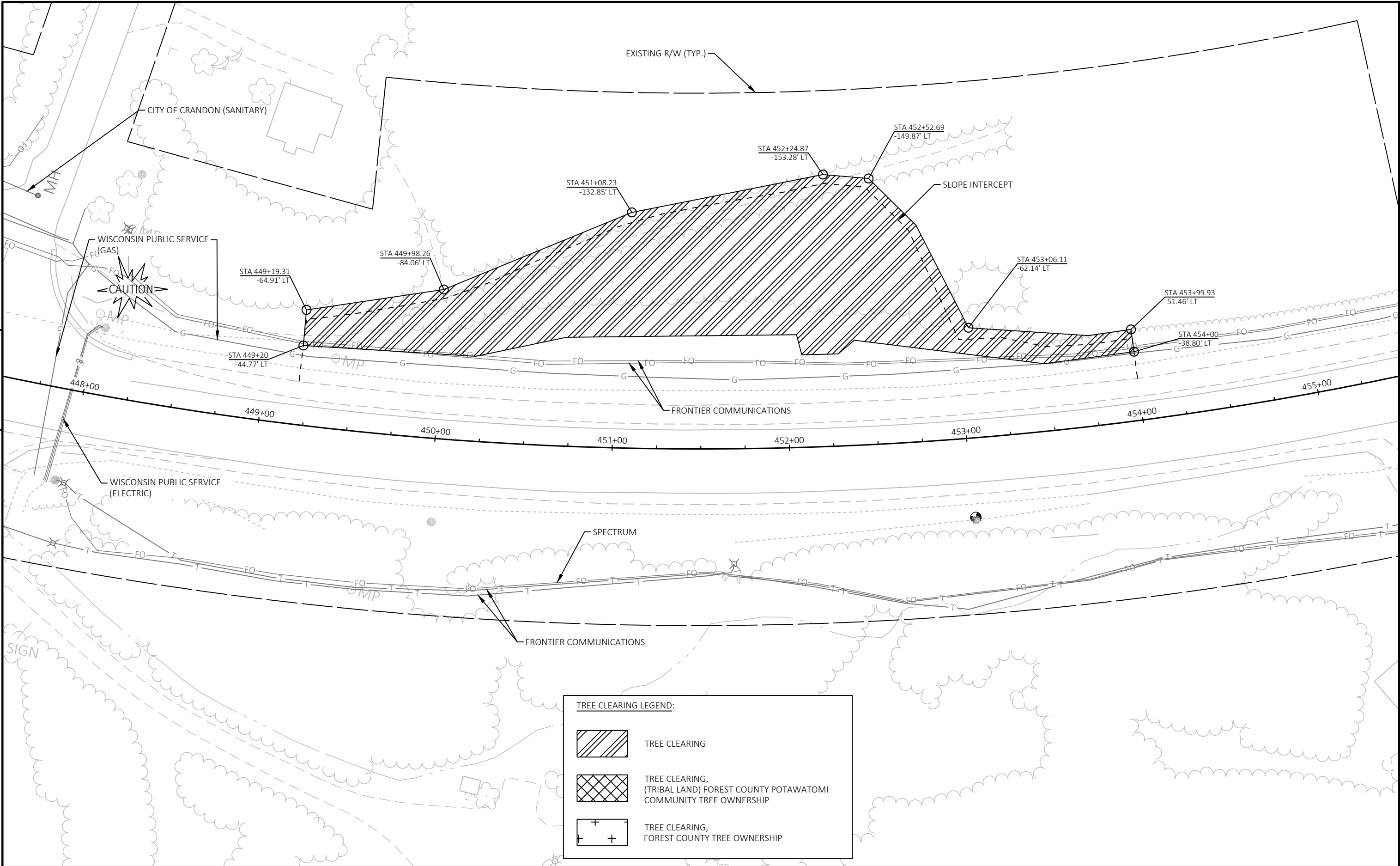
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PROJECT NO: 1009-43-74	HWY: STH 29	COUNTY: MARATHON	TREE CLEARING SITE 04	SHEET 46	E
------------------------	-------------	------------------	-----------------------	----------	---

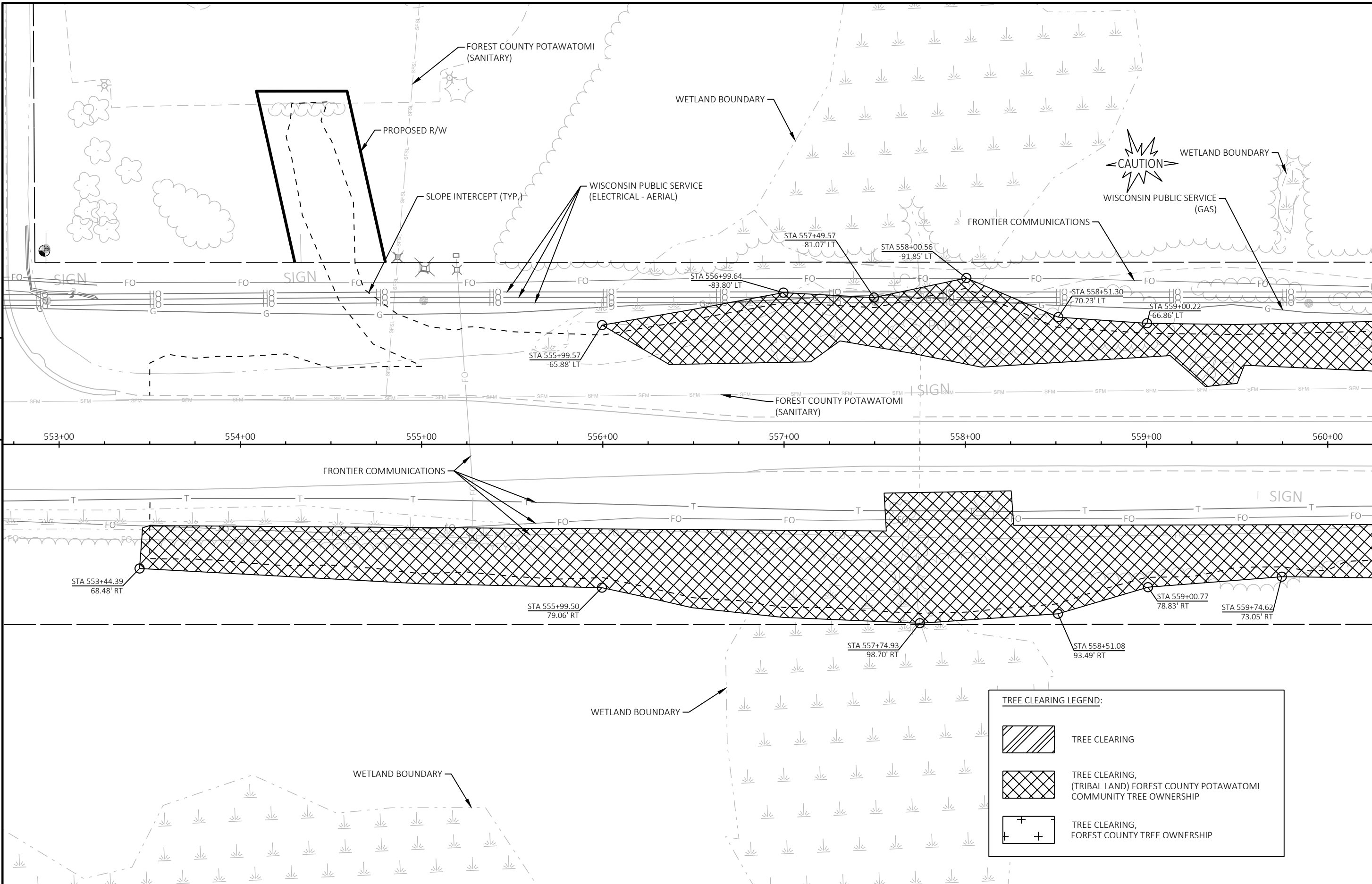


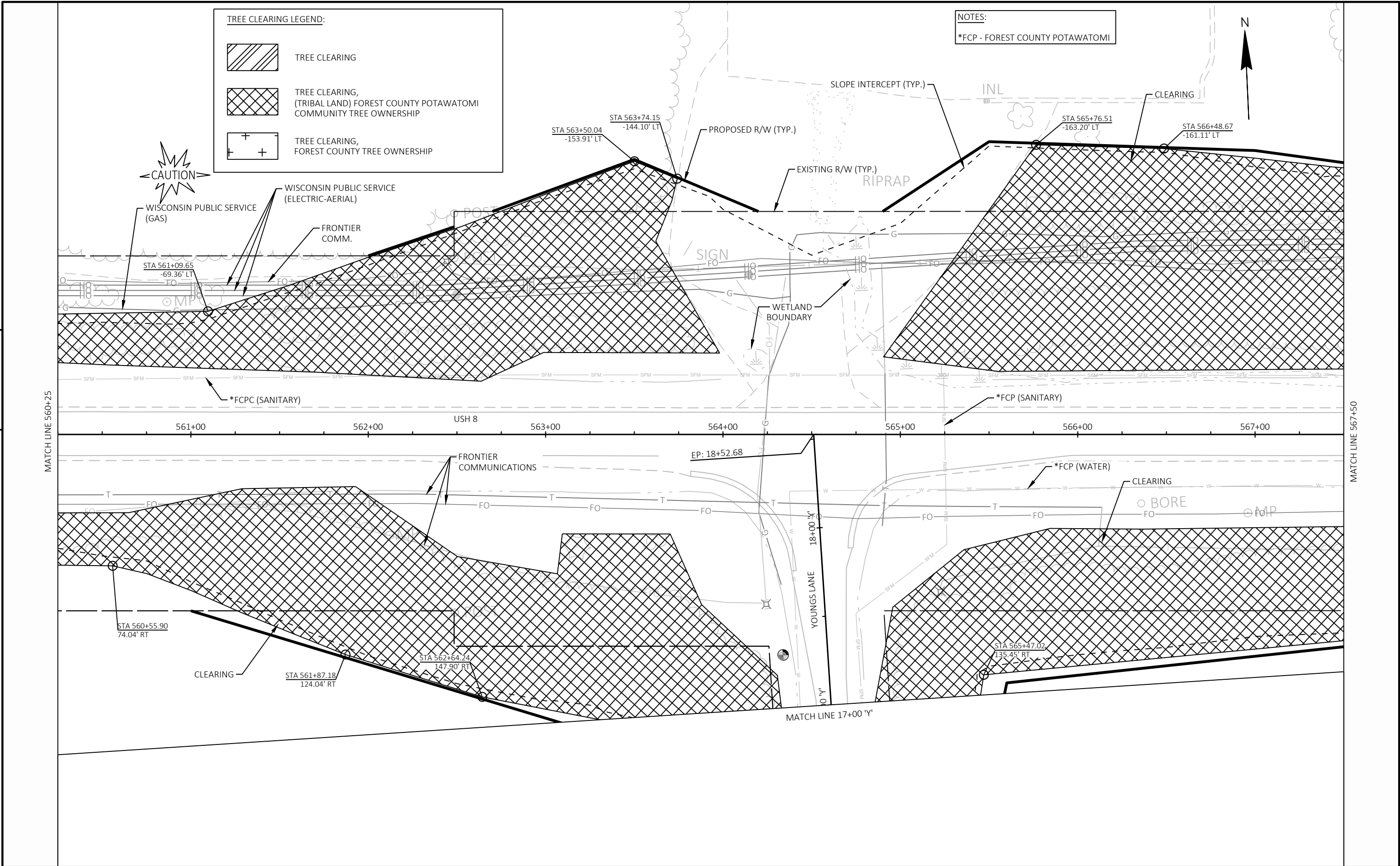


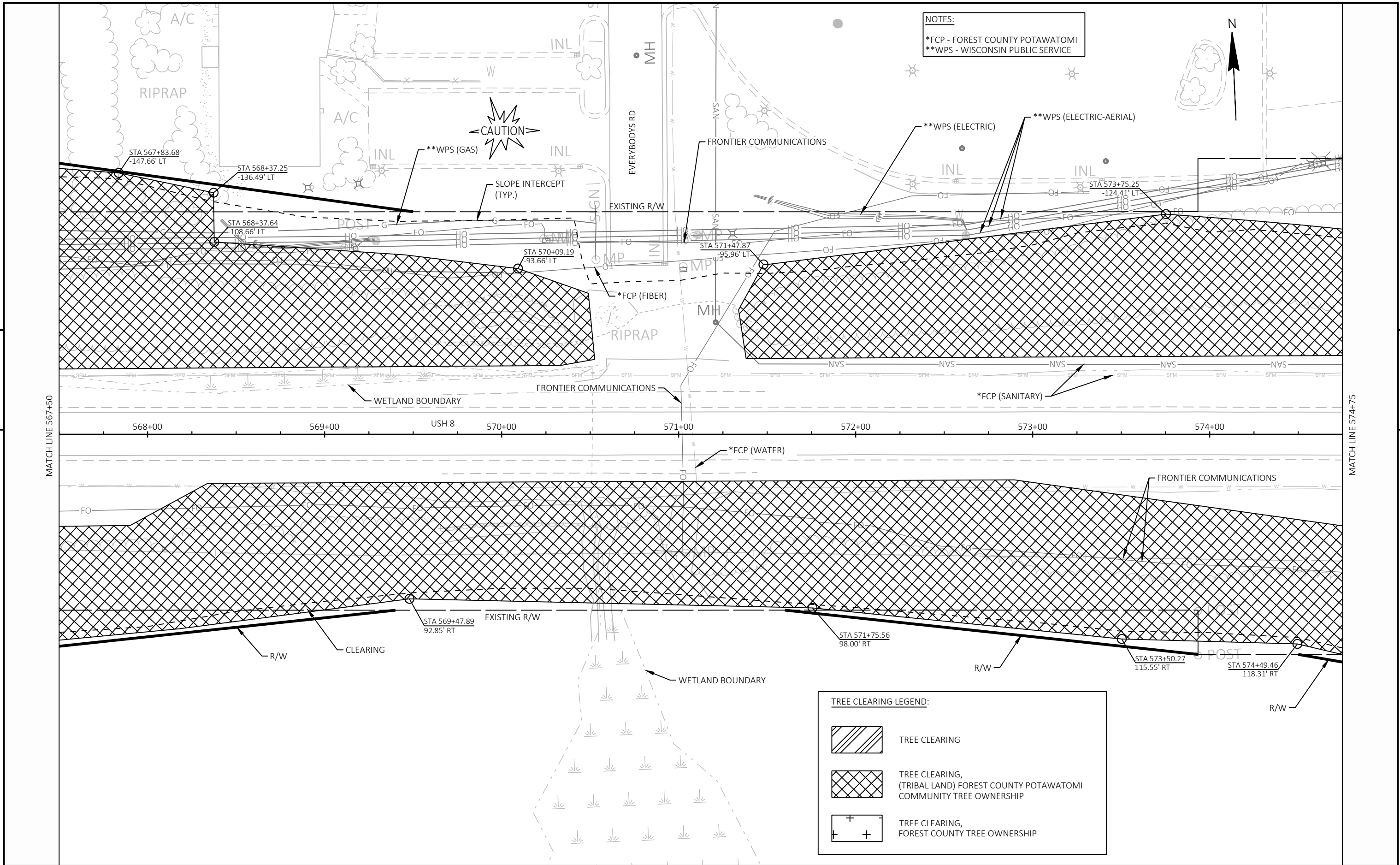


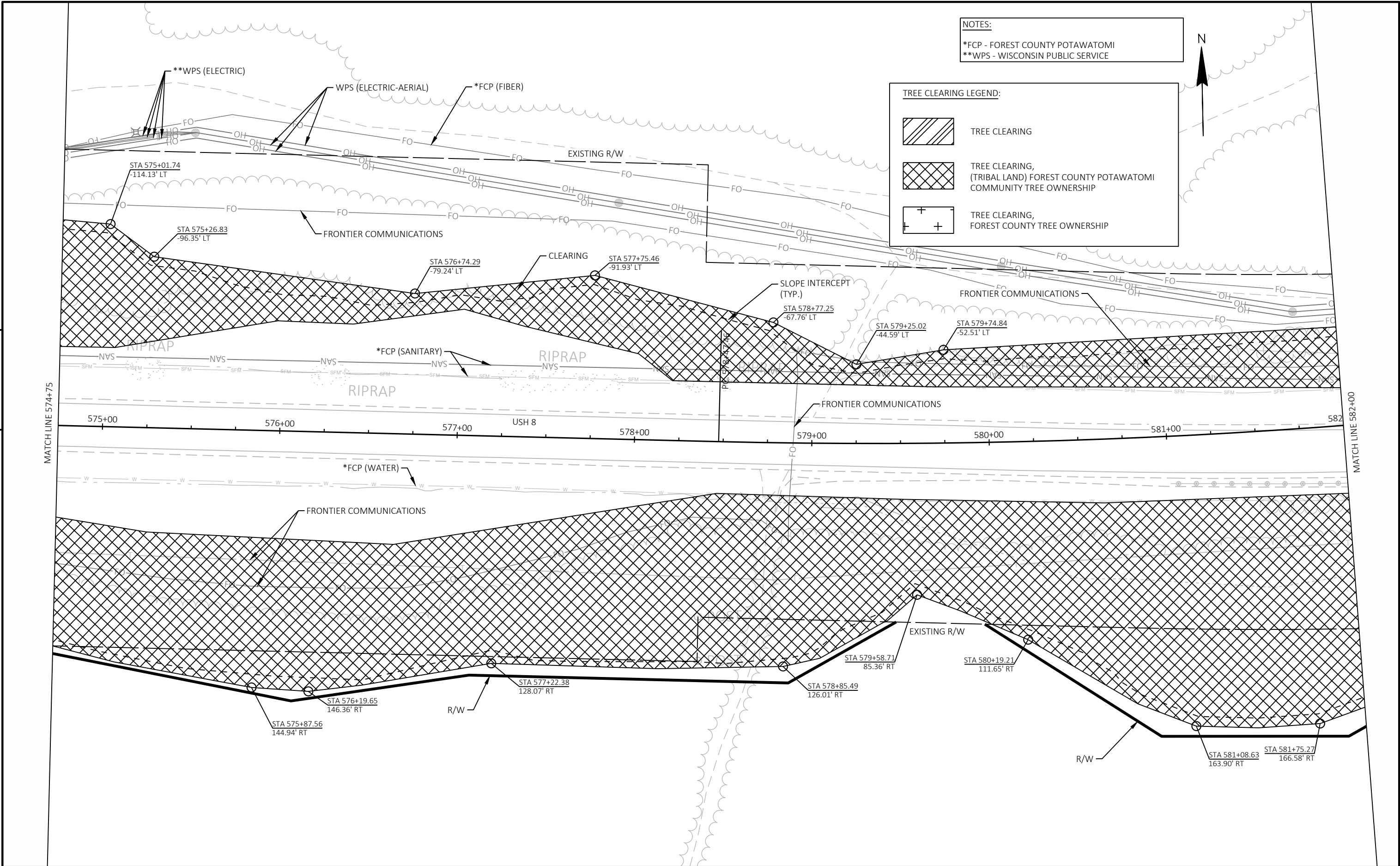
TREE CLEARING LEGEND:

	TREE CLEARING
	TREE CLEARING, (TRIBAL LAND) FOREST COUNTY POTAWATOMI COMMUNITY TREE OWNERSHIP
	TREE CLEARING, FOREST COUNTY TREE OWNERSHIP









TREE CLEARING LEGEND:

TREE CLEARING

TREE CLEARING,
(TRIBAL LAND) FOREST COUNTY POTAWATOMI
COMMUNITY TREE OWNERSHIP

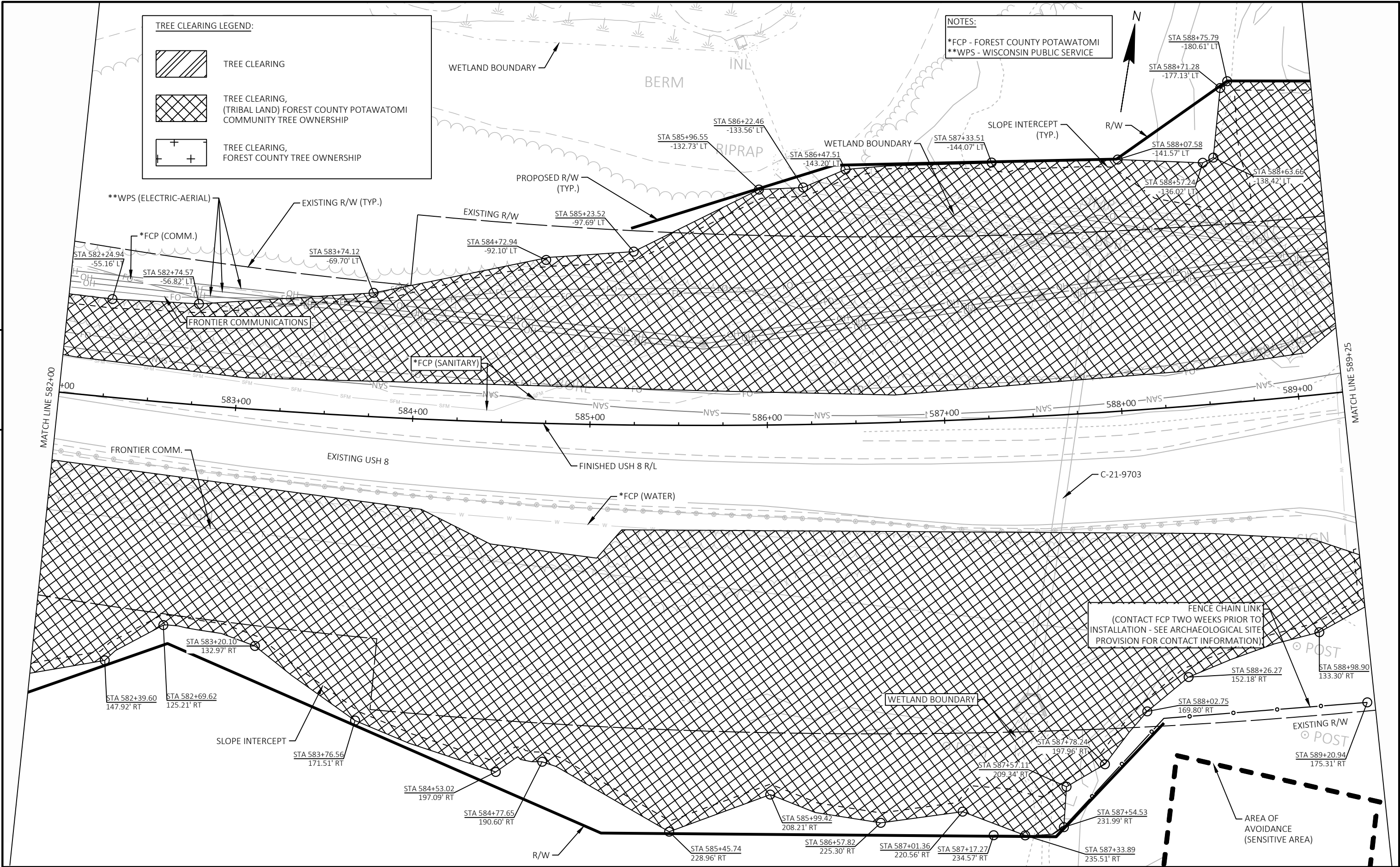
TREE CLEARING,
FOREST COUNTY TREE OWNERSHIP

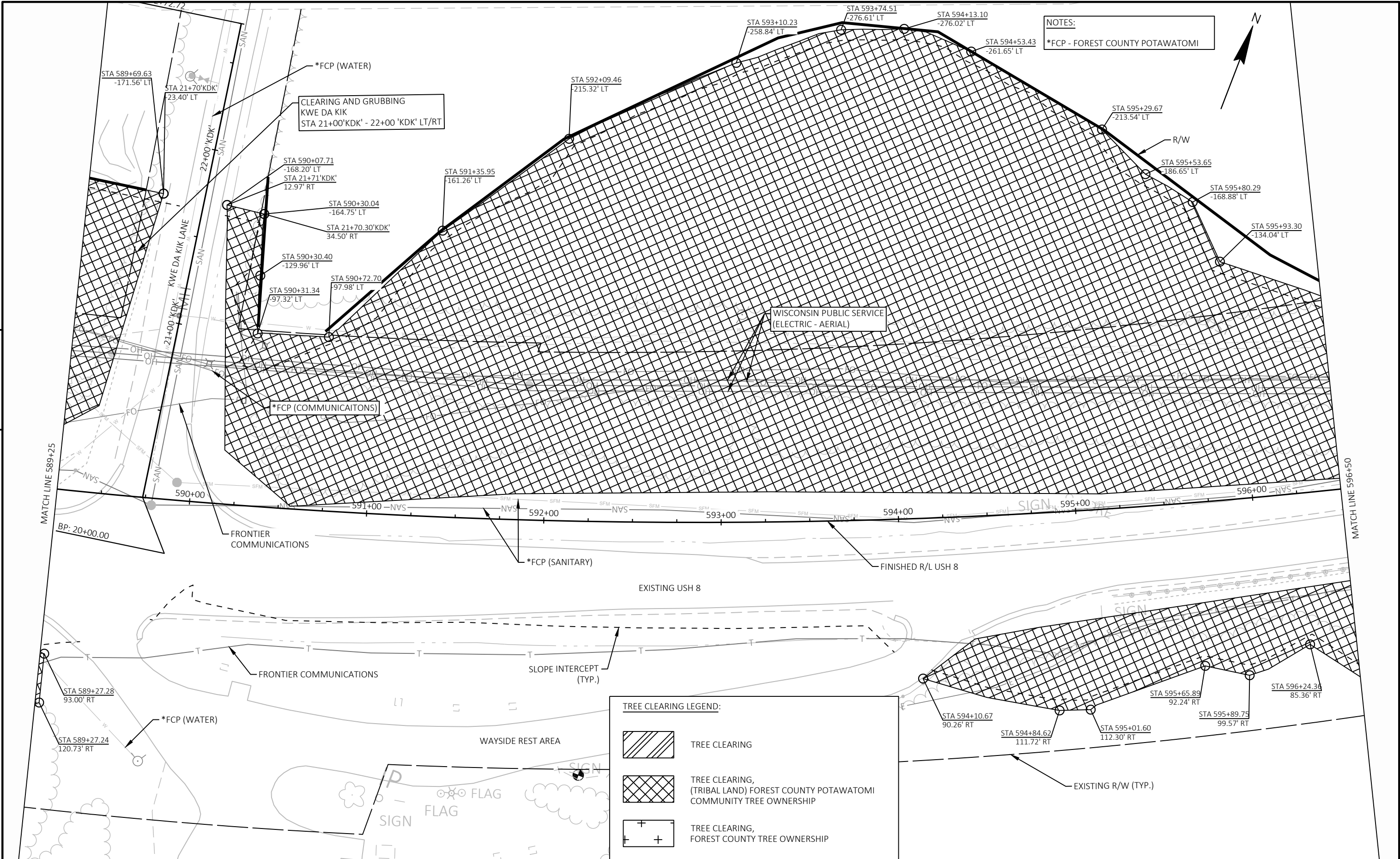
NOTES:
*FCP - FOREST COUNTY POTAWATOMI
**WPS - WISCONSIN PUBLIC SERVICE

N

5

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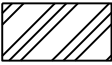




5

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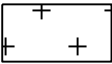
TREE CLEARING LEGEND:



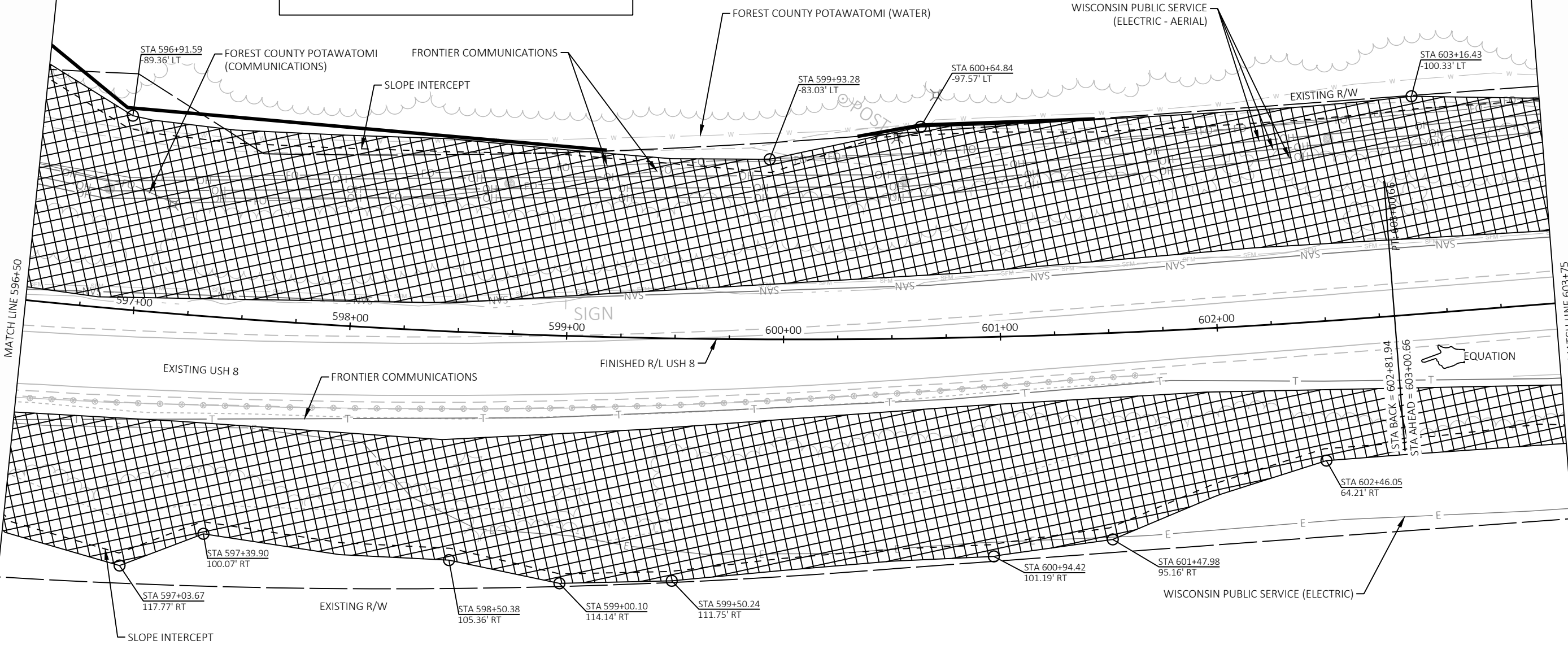
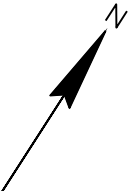
TREE CLEARING

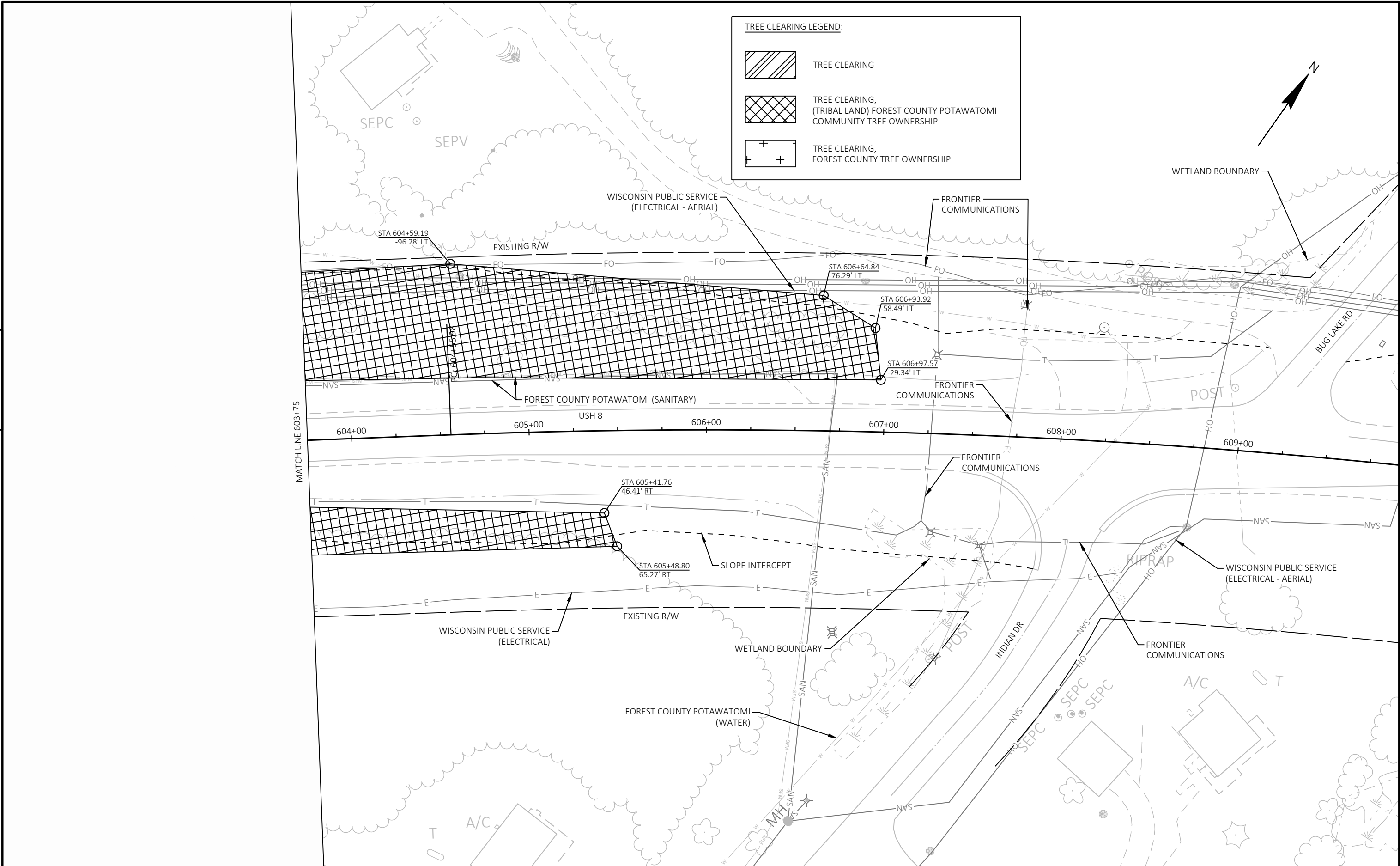


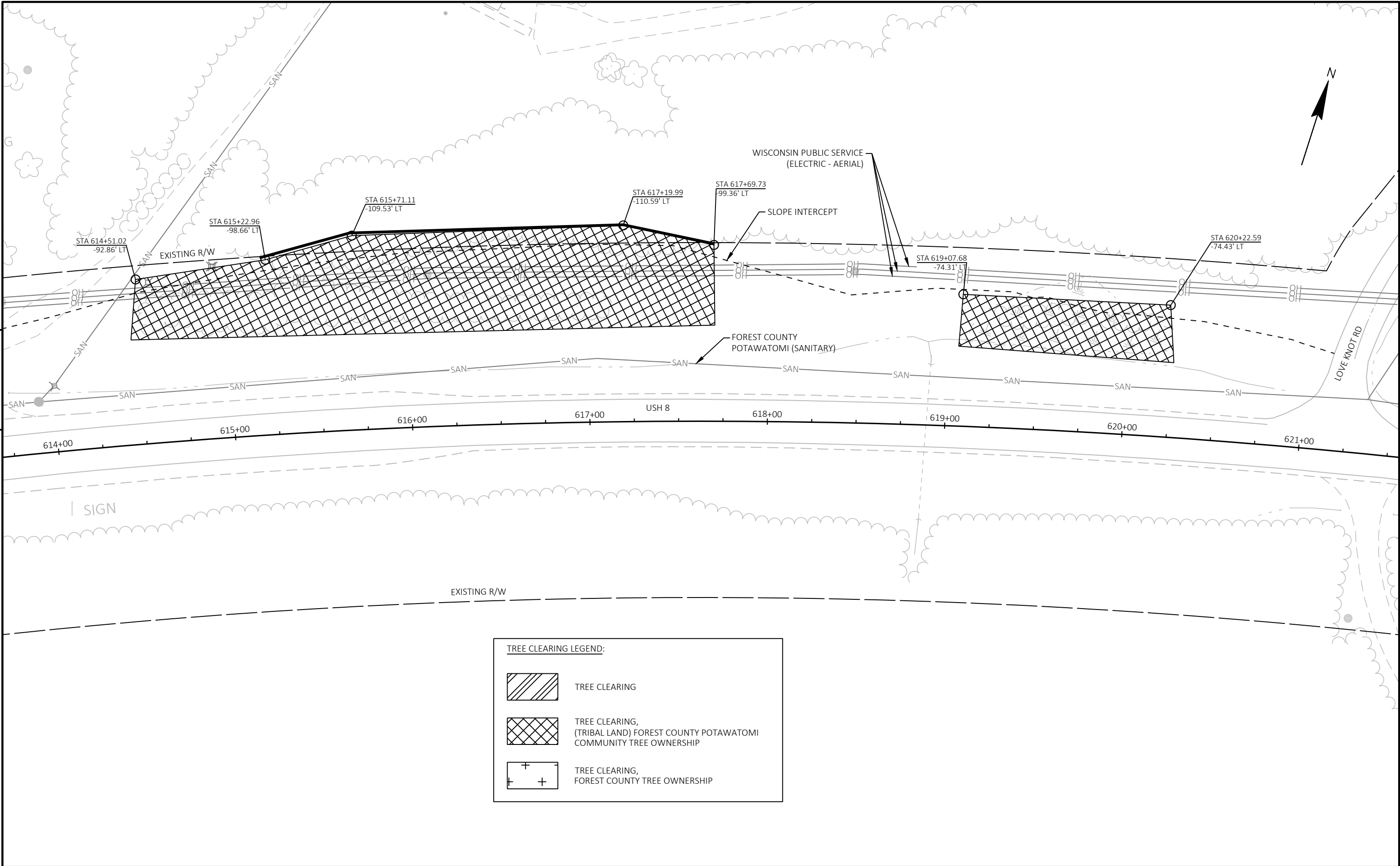
TREE CLEARING,
(TRIBAL LAND) FOREST COUNTY POTAWATOMI
COMMUNITY TREE OWNERSHIP



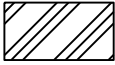
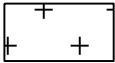
TREE CLEARING,
FOREST COUNTY TREE OWNERSHIP

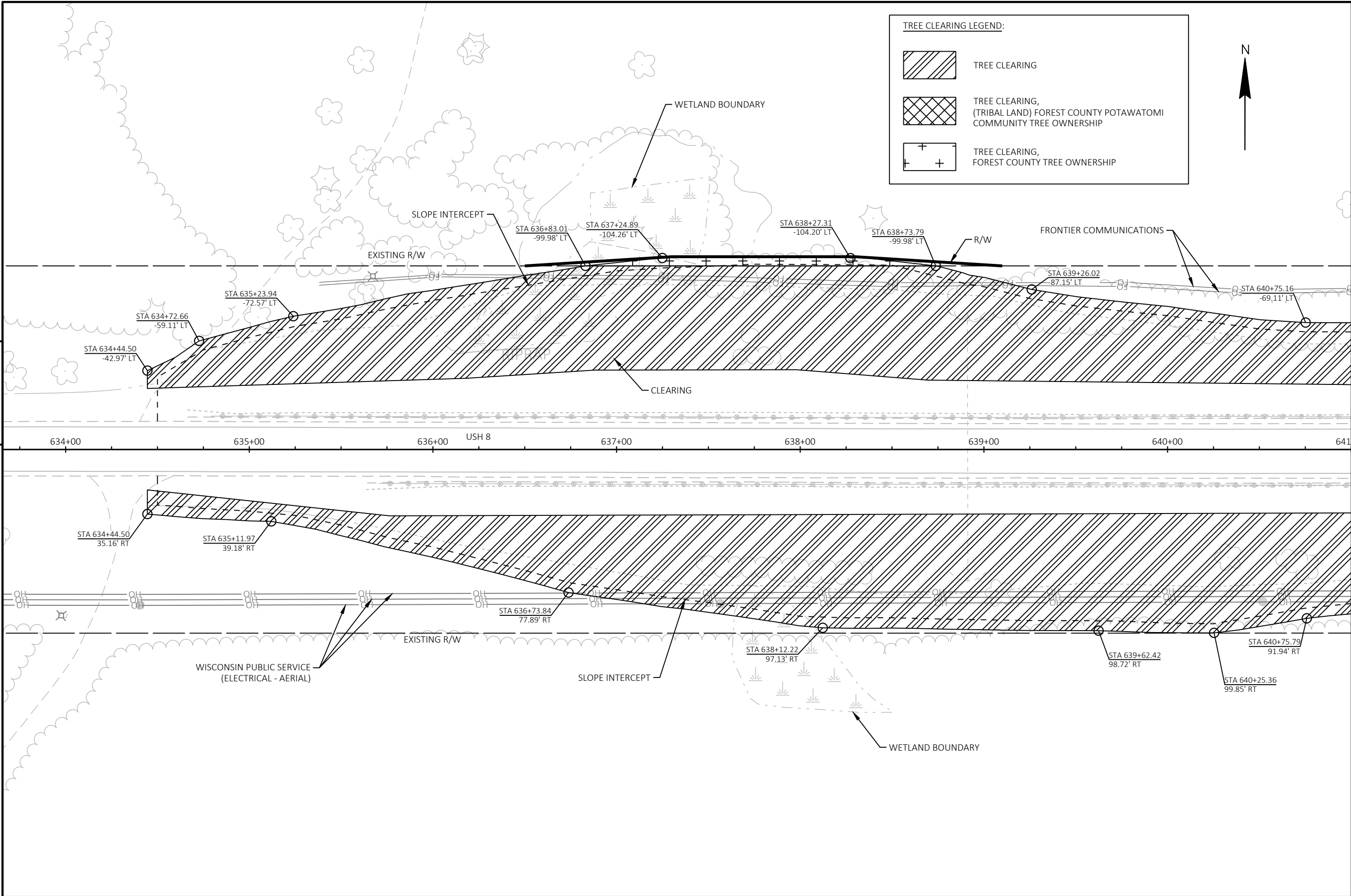






TREE CLEARING LEGEND:

	TREE CLEARING
	TREE CLEARING, (TRIBAL LAND) FOREST COUNTY POTAWATOMI COMMUNITY TREE OWNERSHIP
	TREE CLEARING, FOREST COUNTY TREE OWNERSHIP



5

MATCH LINE 641+00

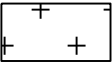
TREE CLEARING LEGEND:



TREE CLEARING



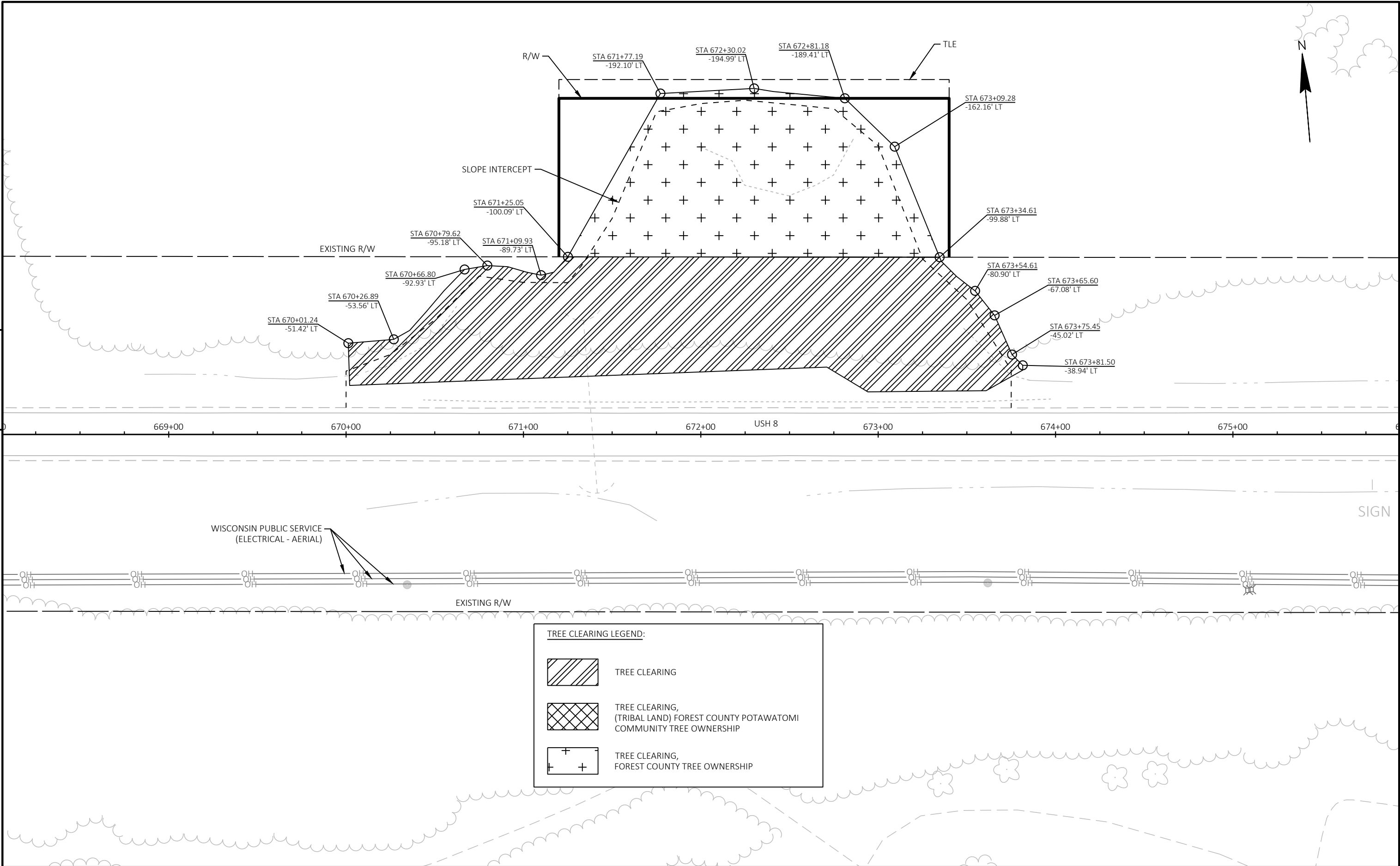
TREE CLEARING,
(TRIBAL LAND) FOREST COUNTY POTAWATOMI
COMMUNITY TREE OWNERSHIP

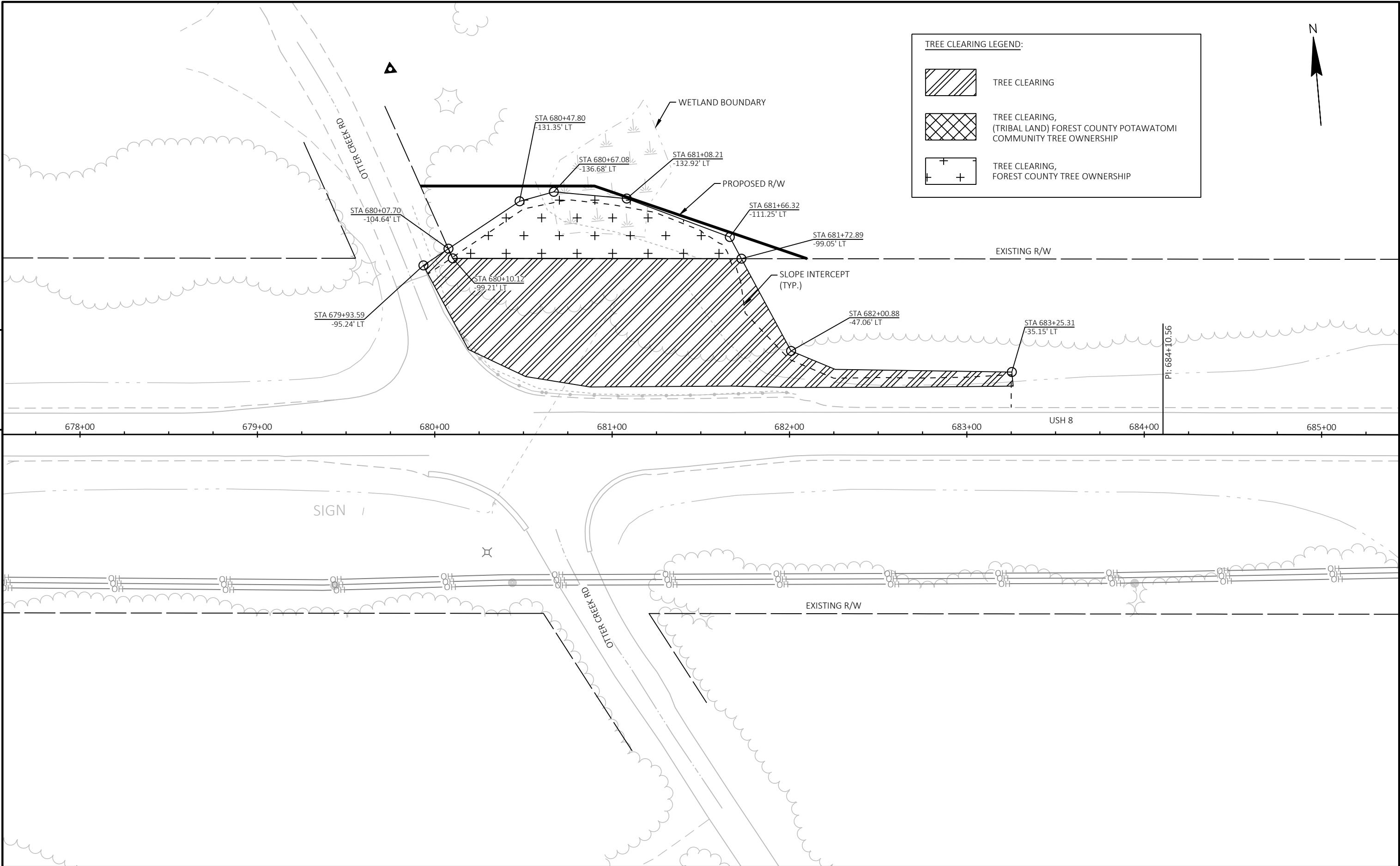


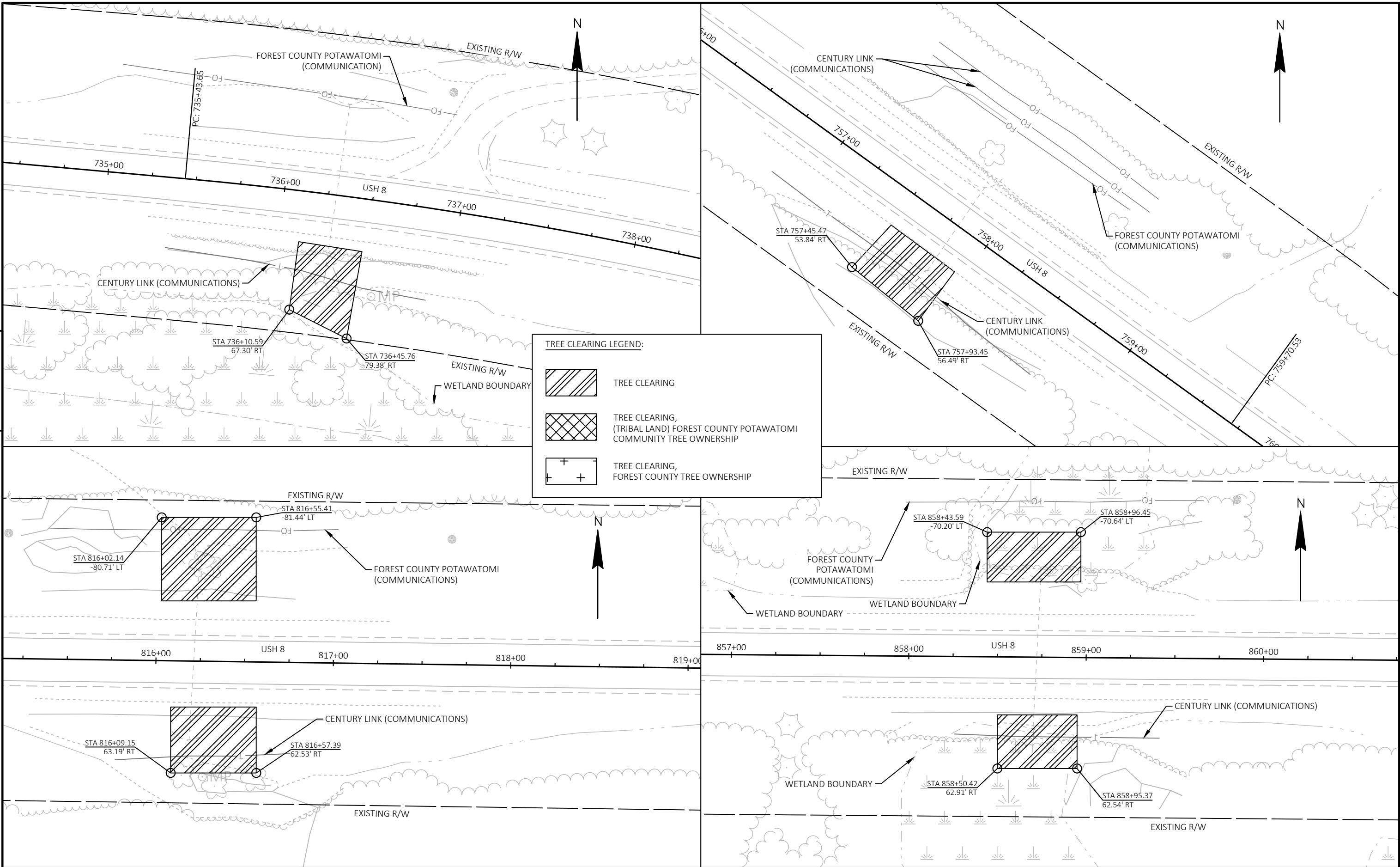
TREE CLEARING,
FOREST COUNTY TREE OWNERSHIP

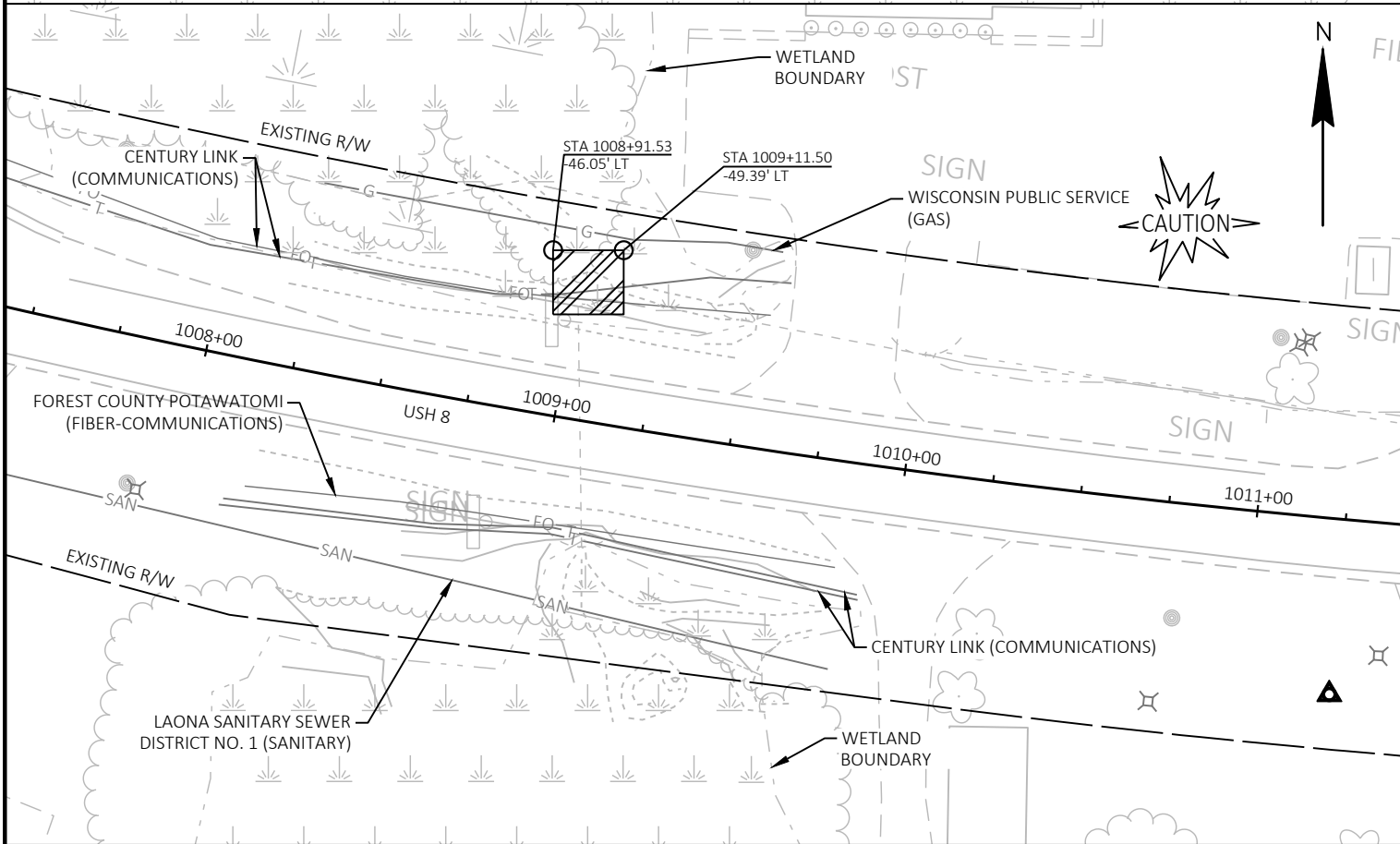
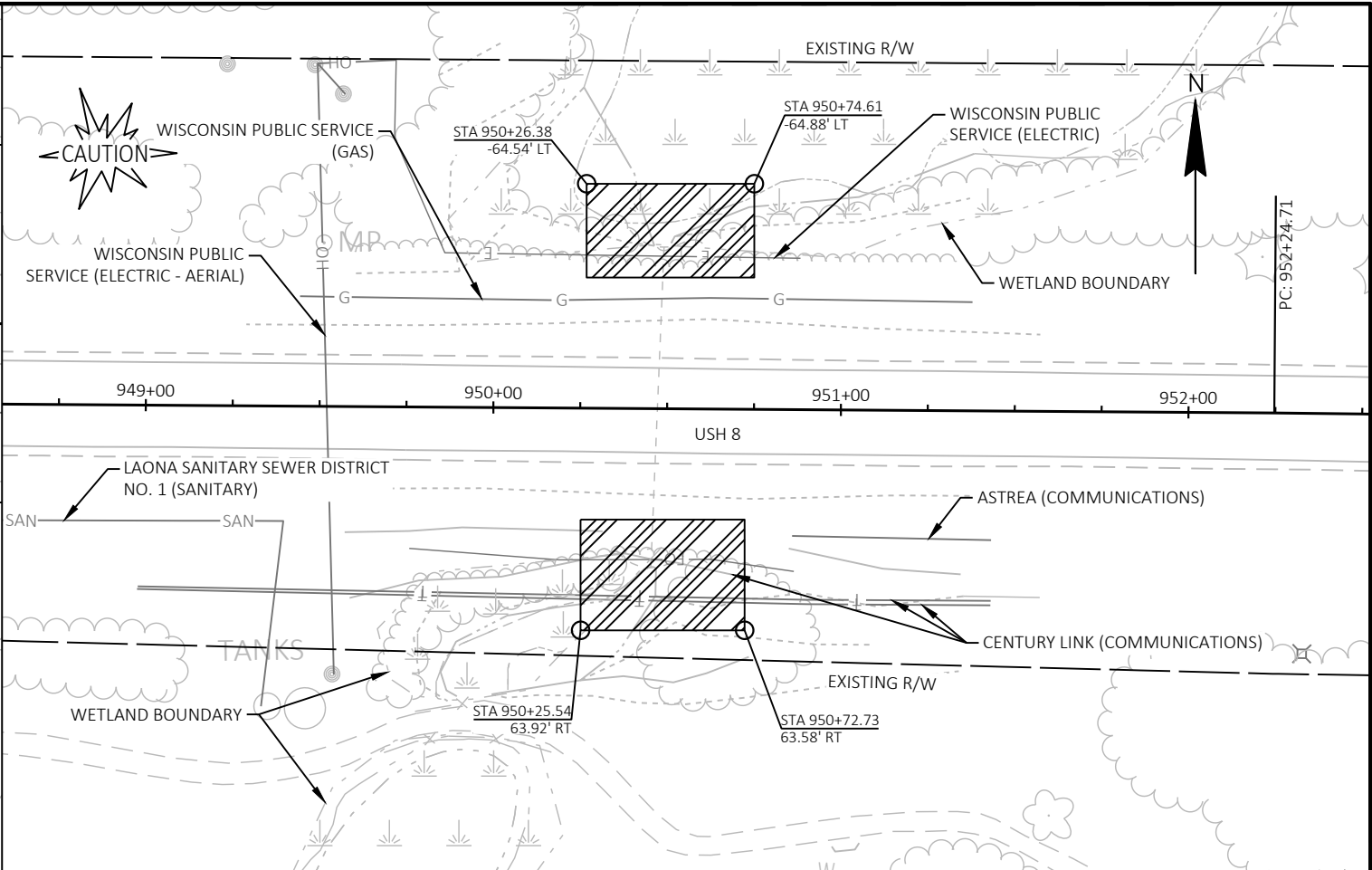
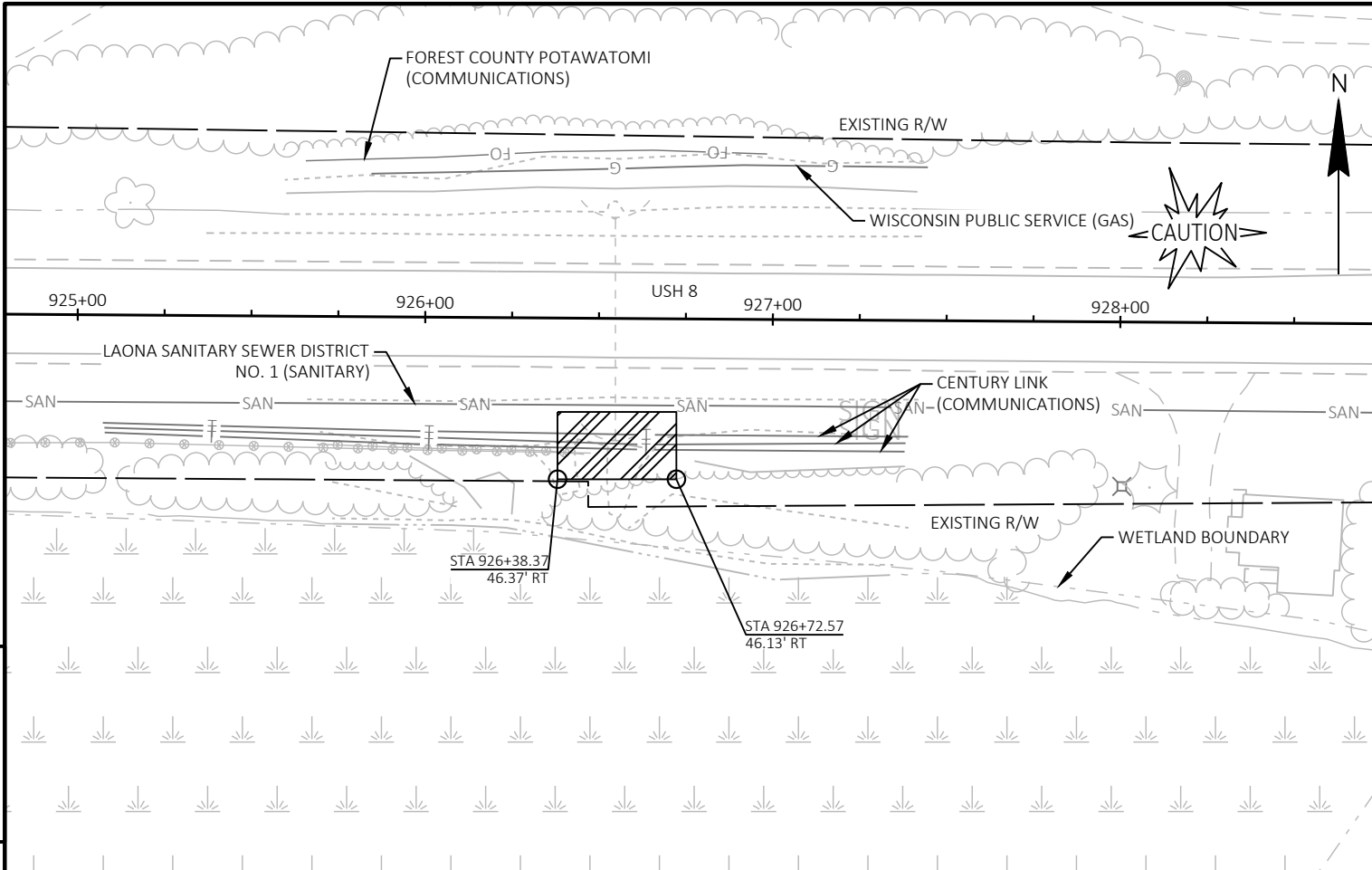


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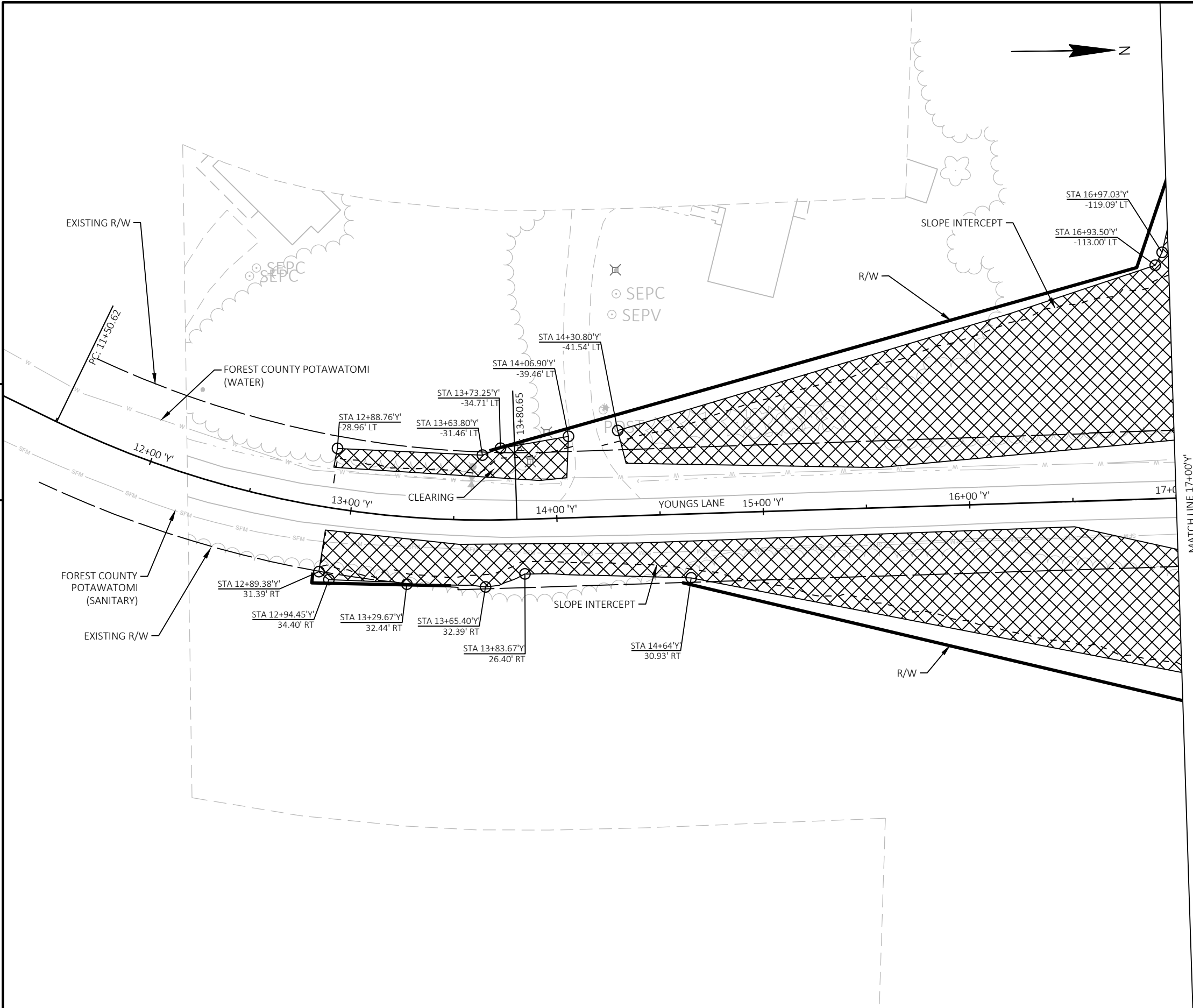




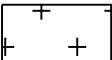
TREE CLEARING LEGEND:

- TREE CLEARING
- TREE CLEARING, (TRIBAL LAND) FOREST COUNTY POTAWATOMI COMMUNITY TREE OWNERSHIP
- TREE CLEARING, FOREST COUNTY TREE OWNERSHIP

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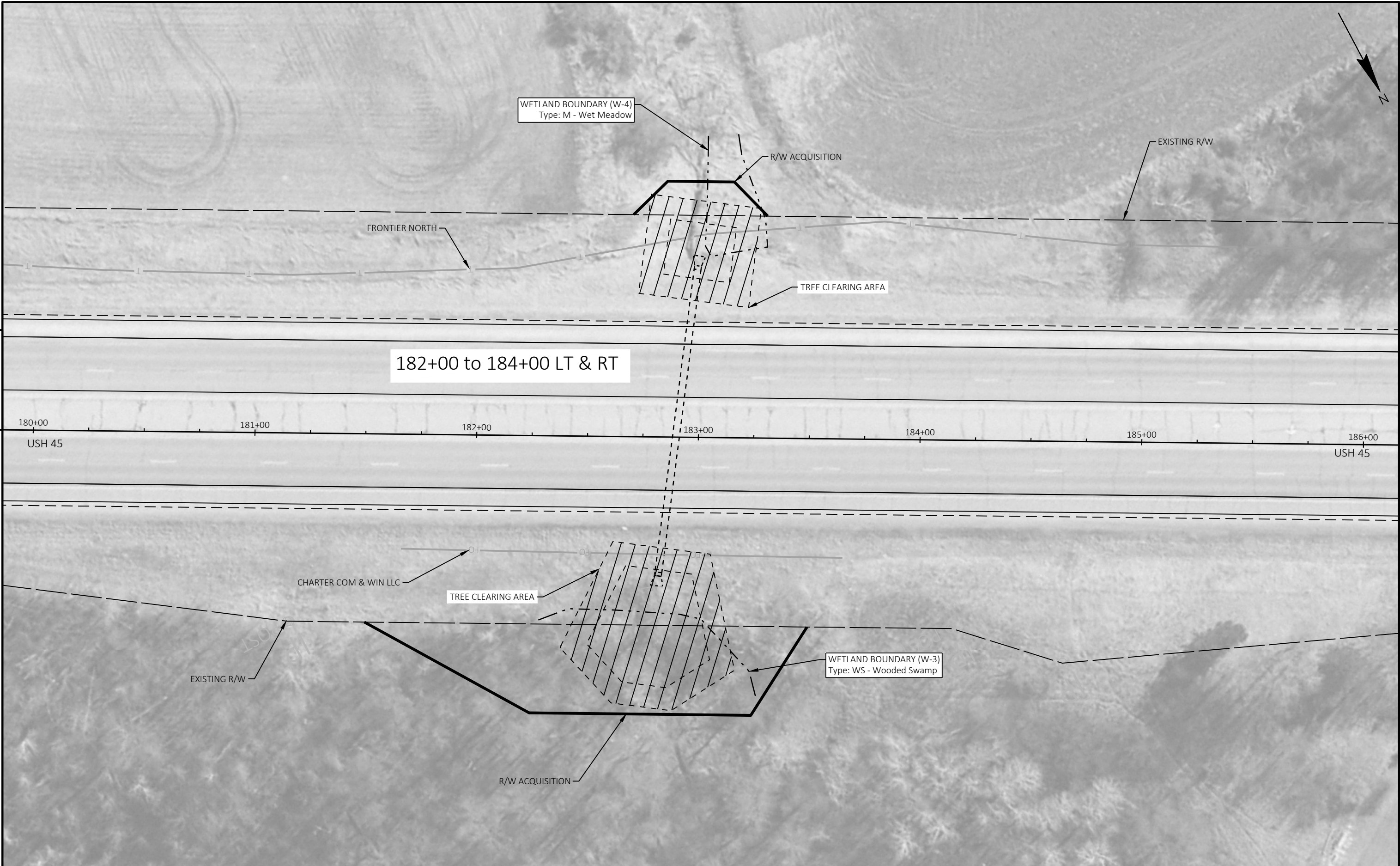


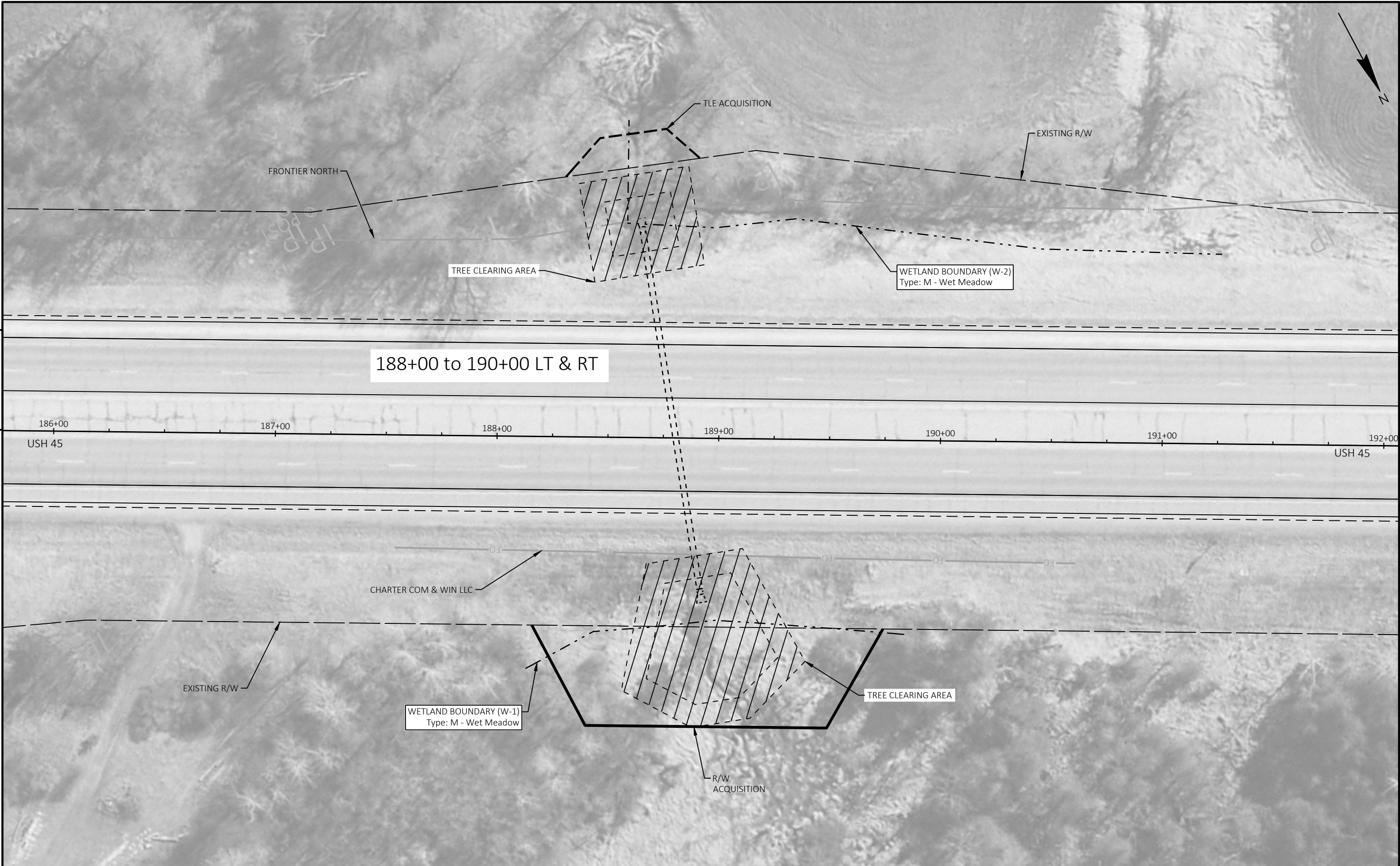
TREE CLEARING LEGEND:

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	TREE CLEARING, FOREST COUNTY TREE OWNERSHIP

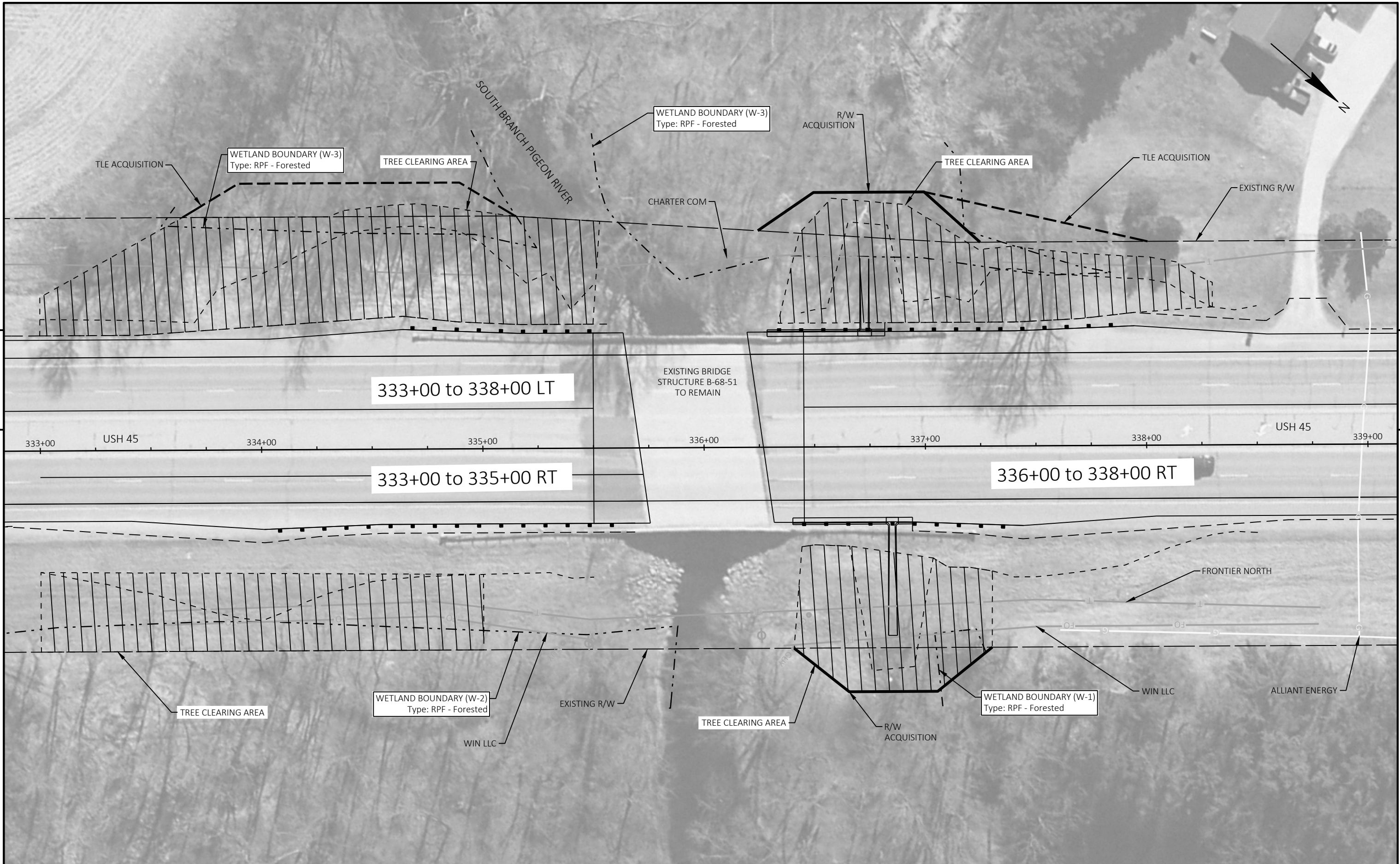


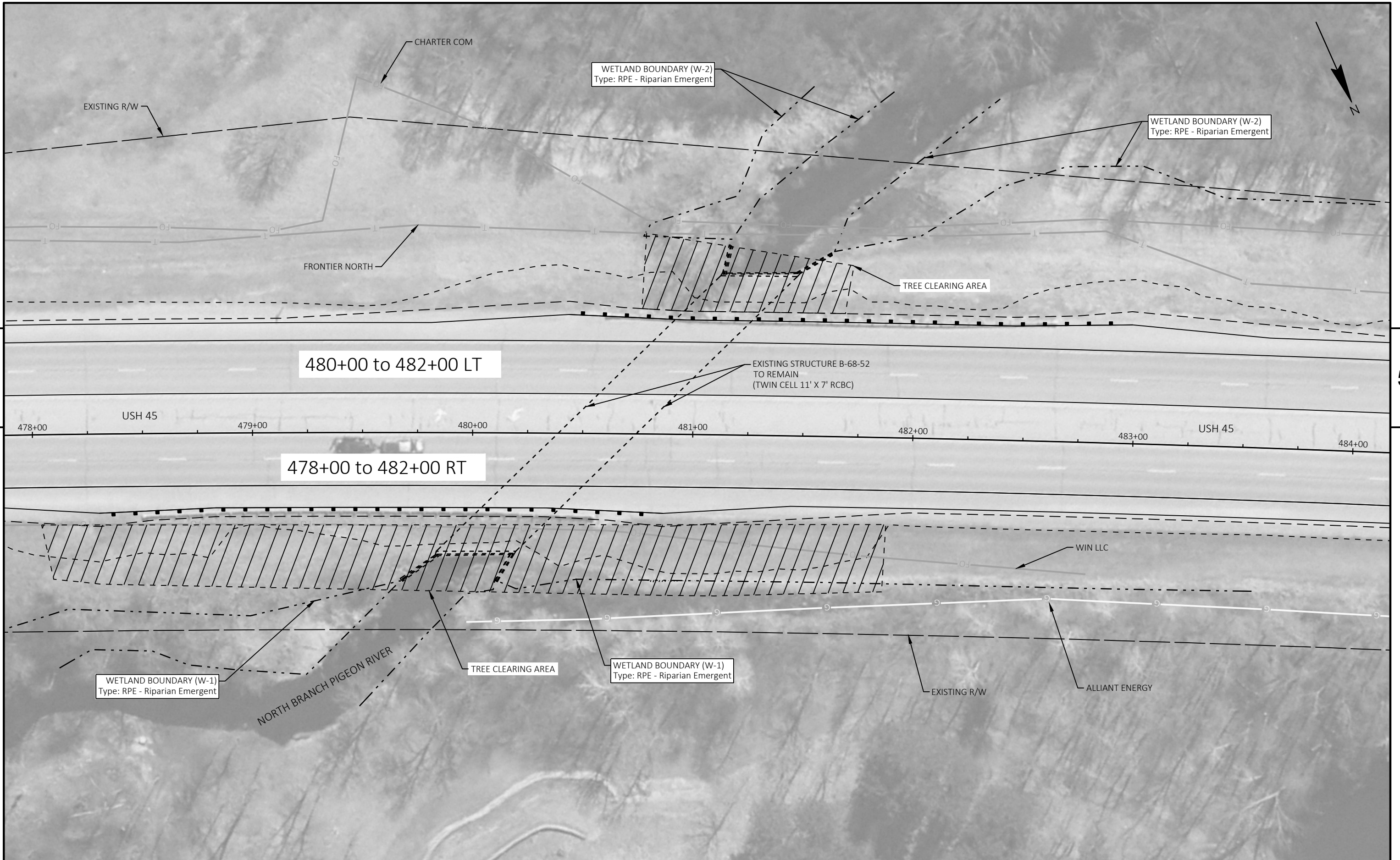
PROJECT NO: 1009-43-74	HWY: USH 45	COUNTY: WAUPACA/SHAWANO	TREE CLEARING SITE 08	SHEET 66	E
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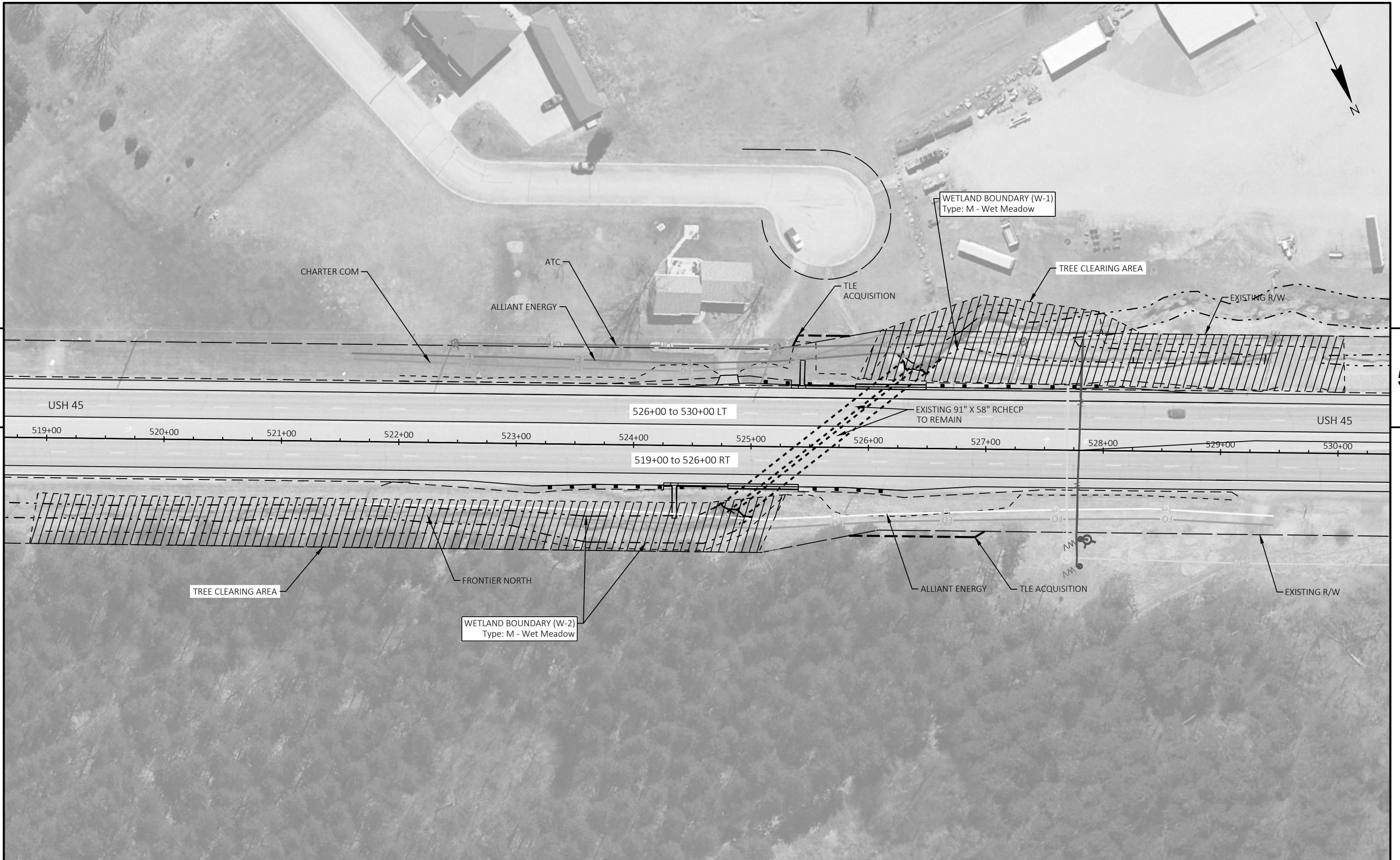


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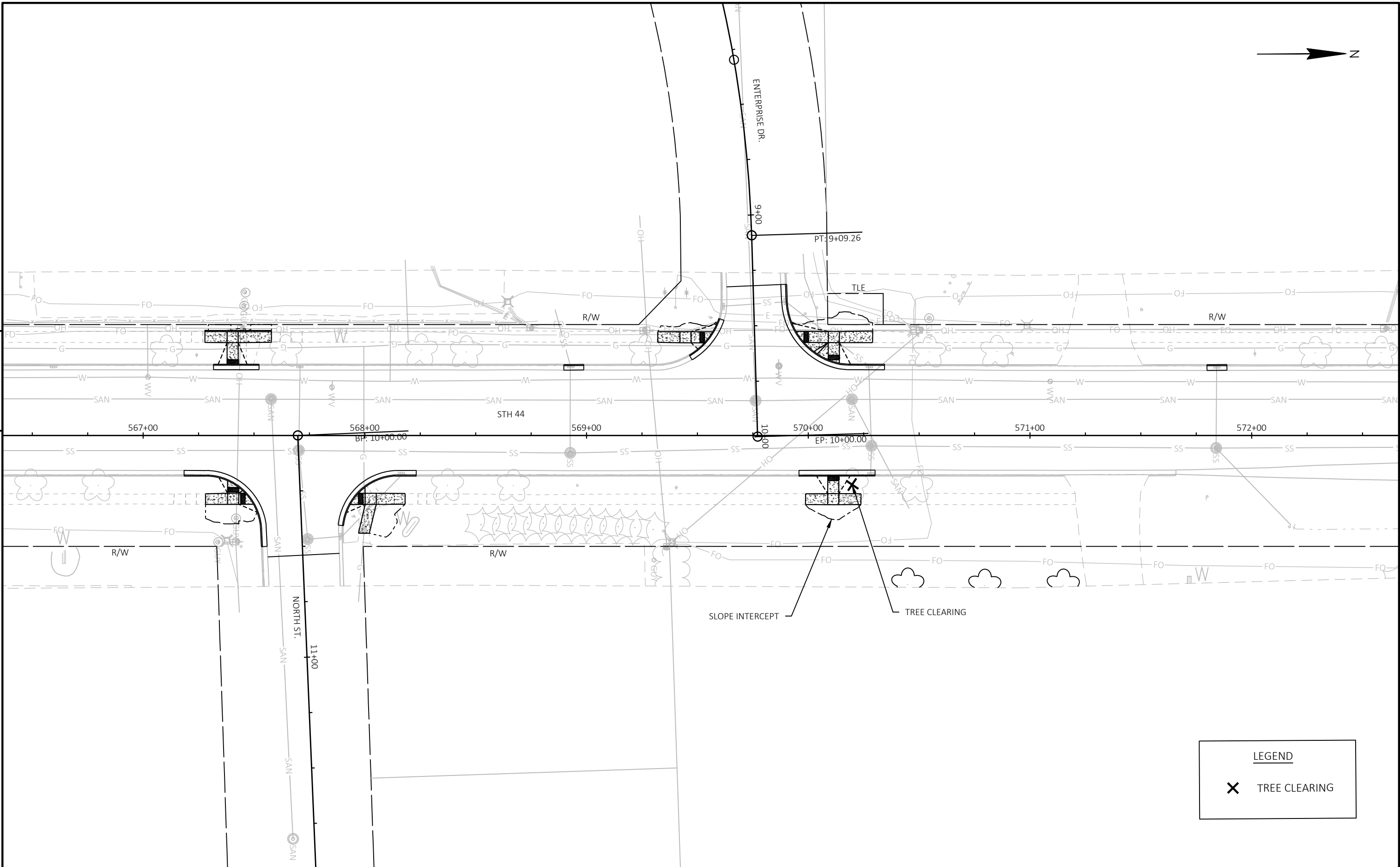
PROJECT NO:	1009-43-74	HWY:	USH 45	COUNTY:	WAUPACA/SHAWANO	TREE CLEARING	SITE 08	SHEET	70	E
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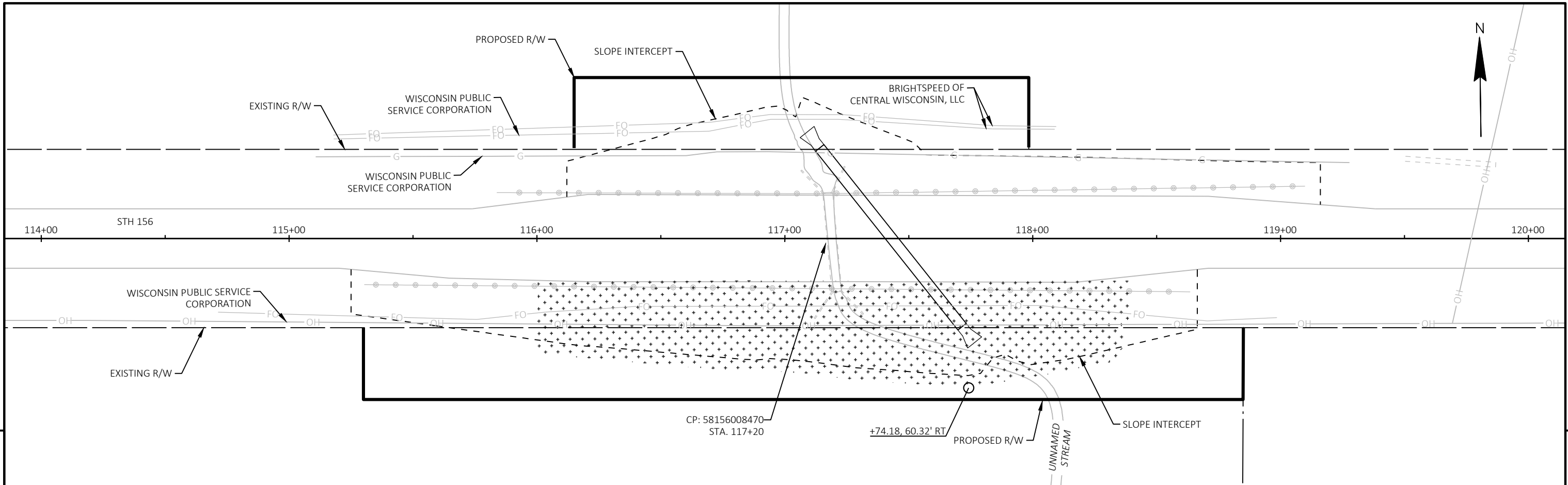


PROJECT NO: 1009-43-74	HWY: USH 45	COUNTY: WAUPACA/SHAWANO	TREE CLEARING SITE 08	SHEET 71	E
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PROJECT NO: 1009-43-74	HWY: USH 45	COUNTY: WAUPACA/SHAWANO	TREE CLEARING SITE 08	SHEET 72	E
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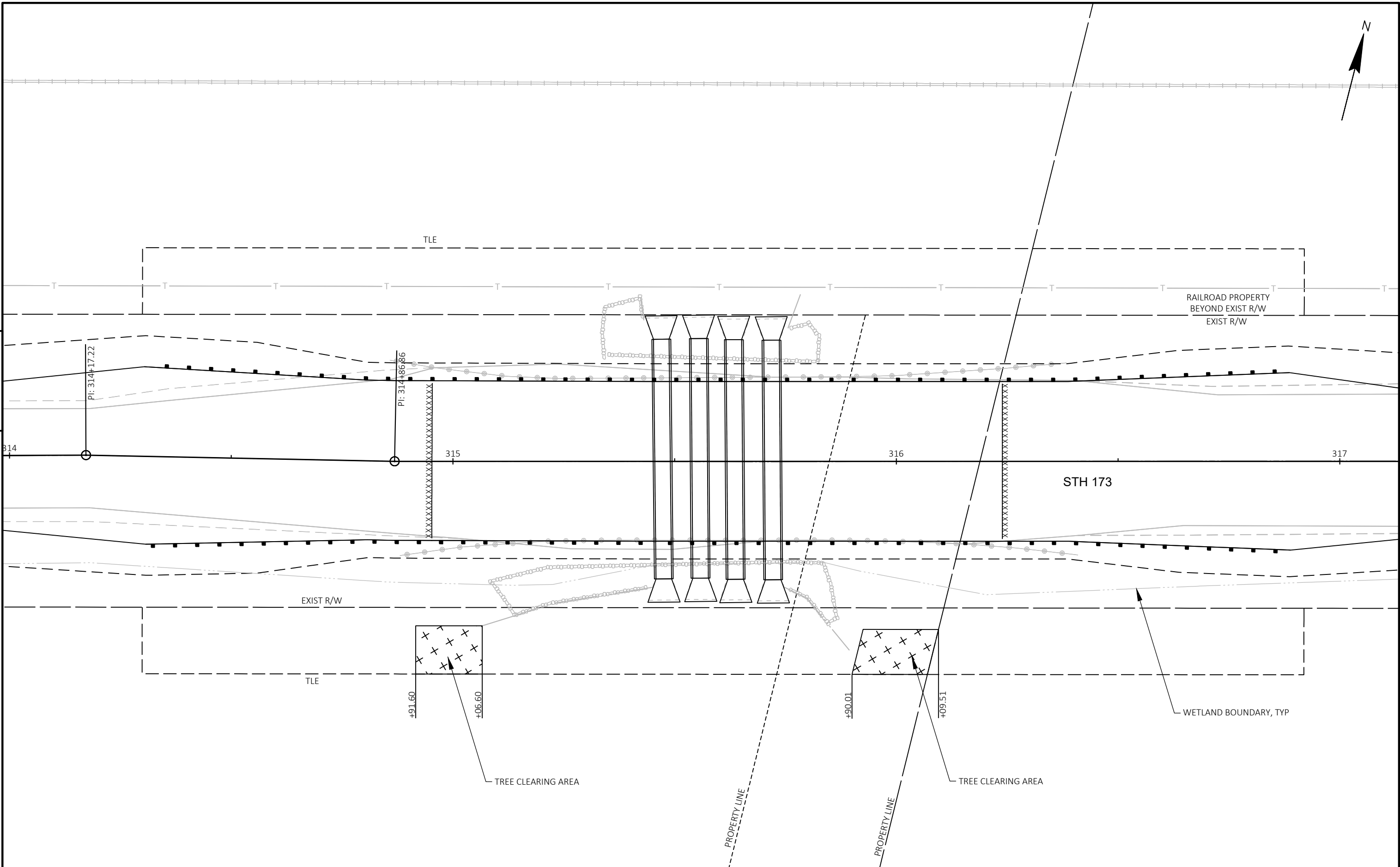


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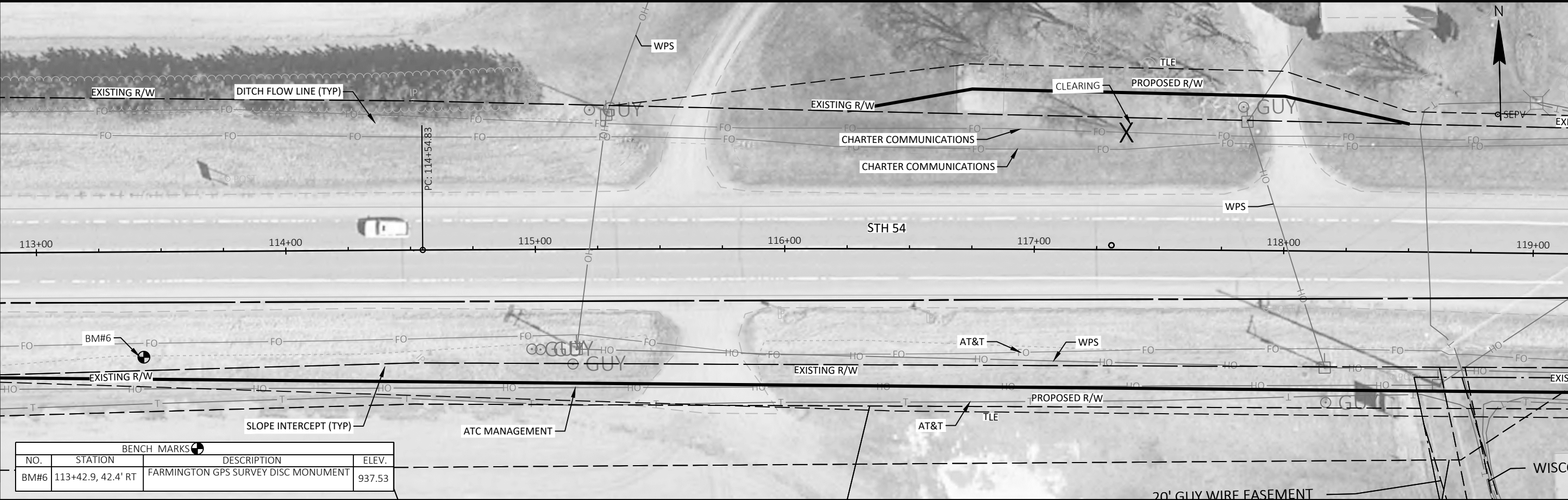
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LEGEND

 CLEARING



PROJECT NO: 1009-43-74	HWY: STH 173	COUNTY: WOOD	TREE CLEARING SITE 11	SHEET 75	E
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BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
BM#6	113+42.9, 42.4' RT	FARMINGTON GPS SURVEY DISC MONUMENT	937.53

LEGEND

X TREE CLEARING

Note: Slope intercepts are approximate, clearing limits are exact.

HIGHWAY EASEMENT

STH 47

CULVERT ID: 73047008753

255

DIRT

GRAVEL

UNDERGROUND ELECTRIC

UNDERGROUND FIBER OPTIC

UNDERGROUND TELEPHONE

5

5

- SLOPE INTERCEPT (APPROX)
- ~ DIRECTION OF FLOW
- x CLEARING
- + + + CLEARING
- o-o-o-o-o RIP RAP*

*Work to be completed by others

HIGHWAY EASEMENT

STH 47

270

CULVERT ID: 73047008754

PT: 271+84.59

GRAVEL

UNDERGROUND ELECTRIC

UNDERGROUND FIBER OPTIC

UNDERGROUND TELEPHONE

HIGHWAY EASEMENT

PROJECT NO: 1009-43-74

HWY: STH 47

COUNTY: MENOMINEE

TREE CLEARING SITE 13

SHEET

77

E

Note: Slope intercepts are approximate, clearing limits are exact.

HIGHWAY EASEMENT

STH 47

CULVERT ID: 73047008755

PI: 279+99.87

280

UNDERGROUND ELECTRIC

DIRT

DIRT

HIGHWAY EASEMENT

5

- - - - SLOPE INTERCEPT (APPROX)

→ DIRECTION OF FLOW

× CLEARING

+ + + CLEARING

○ ○ ○ RIP RAP*

*Work to be completed by others

5

HIGHWAY EASEMENT

STH 47

STA 295+33.42, -43.74' LT

STA 295+63.76, -42.42' LT

STA 295+33.62, -30.91' LT

STA 295+63.05, -29.66' LT

CULVERT ID: 73047008756/8757

UNDERGROUND ELECTRIC

DIRT

WETLAND

STA 295+30.60, 29.18' RT

STA 295+60.16, 30.46' RT

STA 295+30.80, 42.00' RT

STA 295+59.49, 43.23' RT

UNDERGROUND FIBER OPTIC

UNDERGROUND TELEPHONE

PROJECT NO: 1009-43-74

HWY: STH 47

COUNTY: MENOMINEE

TREE CLEARING SITE 13

SHEET

78

E

FILE NAME : X:\PROJECTS\MENOMINEE\STH 47 & STH 55\220116 9650-17-03 STH 47 MAINLINE SHAWANO-NEOPIT\DESIGN\C3D\17-03 RURAL RESURFACE PROJECT - 73 ID\SHEETSP\PLAN\022001-CLEAR RIP RAP\DWG LAYOUT NAME - 02

5/10/2024 10:52 PM

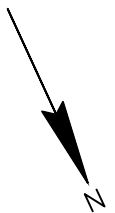
PLOT BY : KEVIN LOHFF

PLOT NAME :

PLOT SCALE : 1 IN=40 FT

WISDOT/CADDs SHEET 44

Note: Slope intercepts are approximate, clearing limits are exact.



5

5

HIGHWAY EASEMENT

STH 47

CULVERT ID: 73047008760

360

PT: 361+12.47

OVERHEAD ELECTRIC

UNDERGROUND TELEPHONE

- SLOPE INTERCEPT (APPROX)
- ~> DIRECTION OF FLOW
- x CLEARING
- + + + CLEARING
- o-o-o-o- RIP RAP*

*Work to be completed by others

HIGHWAY EASEMENT

STH 47

420

CULVERT ID: 73047008765

PI: 423+00.00

HIGHWAY EASEMENT

OVERHEAD ELECTRIC

UNDERGROUND TELEPHONE

PROJECT NO: 1009-43-74

HWY: STH 47

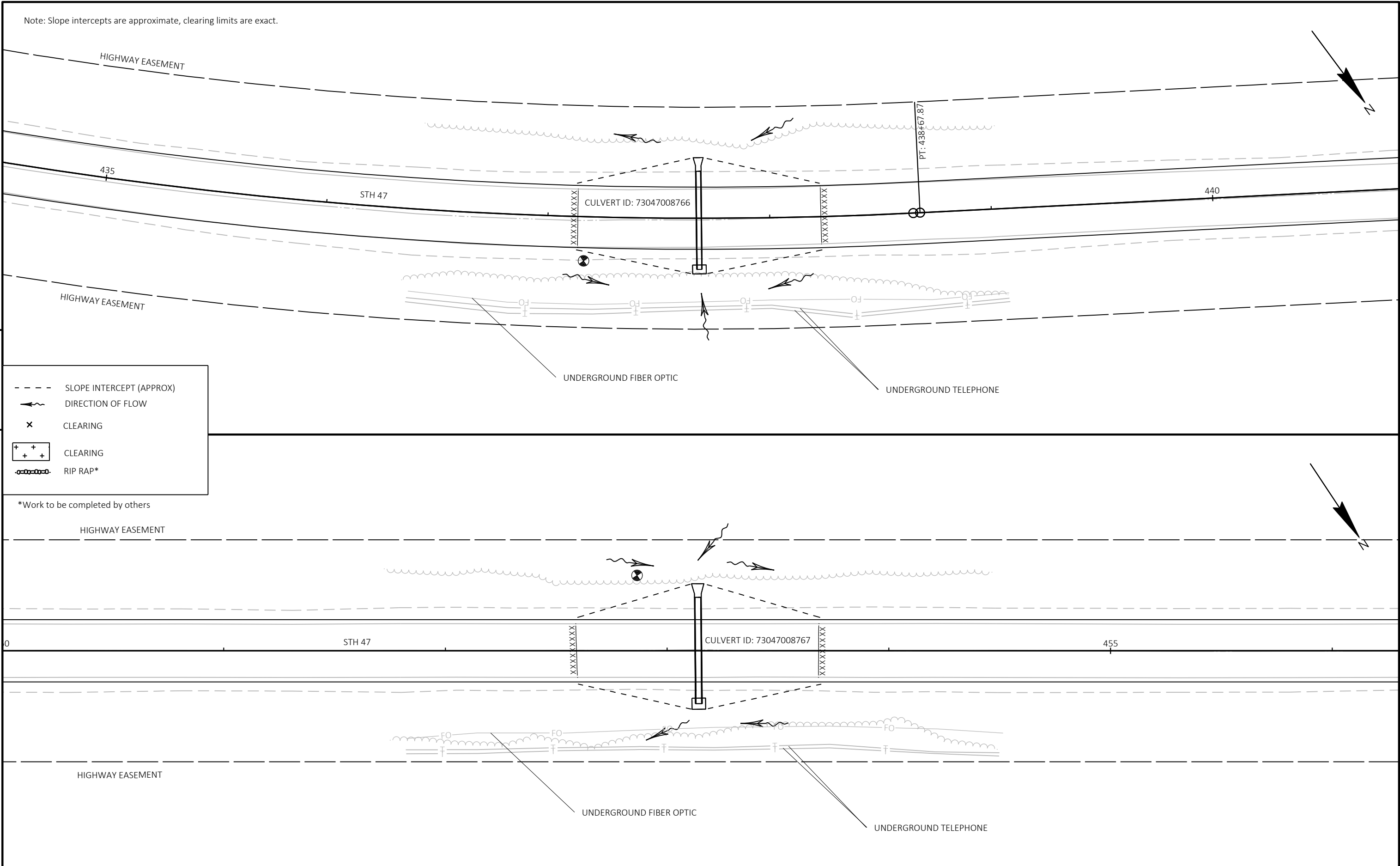
COUNTY: MENOMINEE

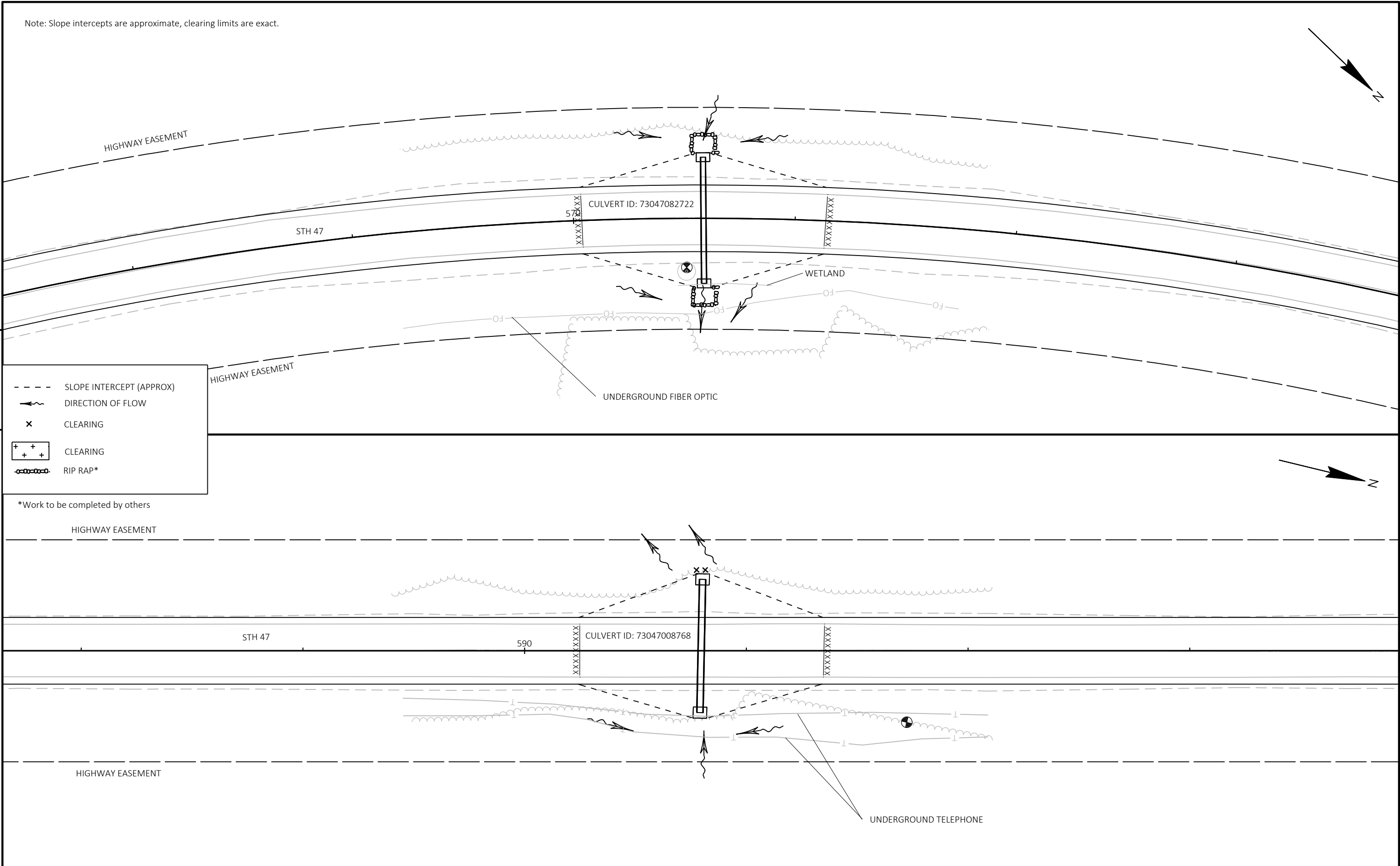
TREE CLEARING SITE 13

SHEET

79

E





STH 47

CULVERT ID: 73047008769

610

GRAVEL

5

UNDERGROUND TELEPHONE

5

 DIRECTION OF FLOW

 CLEARING

 RIP RAP*

*Work to be completed by others

HIGHWAY EASEMENT

STH 47

CULVERT ID: 73047008771

635

HIGHWAY EASEMENT

UNDERGROUND FIBER OPTIC

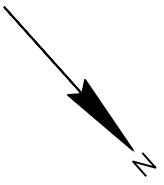
SHEET

82

E

WISDOT/CADDS SHEET 44

Note: Slope intercepts are approximate, clearing limits are exact.



HIGHWAY EASEMENT

STH 47

CULVERT ID: 73047008774

685

GRAVEL

HIGHWAY EASEMENT

UNDERGROUND TELEPHONE

5

- SLOPE INTERCEPT (APPROX)
- ~> DIRECTION OF FLOW
- x CLEARING
- + + + CLEARING
- o-o-o- RIP RAP*

*Work to be completed by others

HIGHWAY EASEMENT

STH 47

735

WETLAND

CULVERT ID: 73047008775

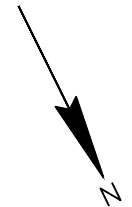
PT: 737+64.24

OVERHEAD ELECTRIC

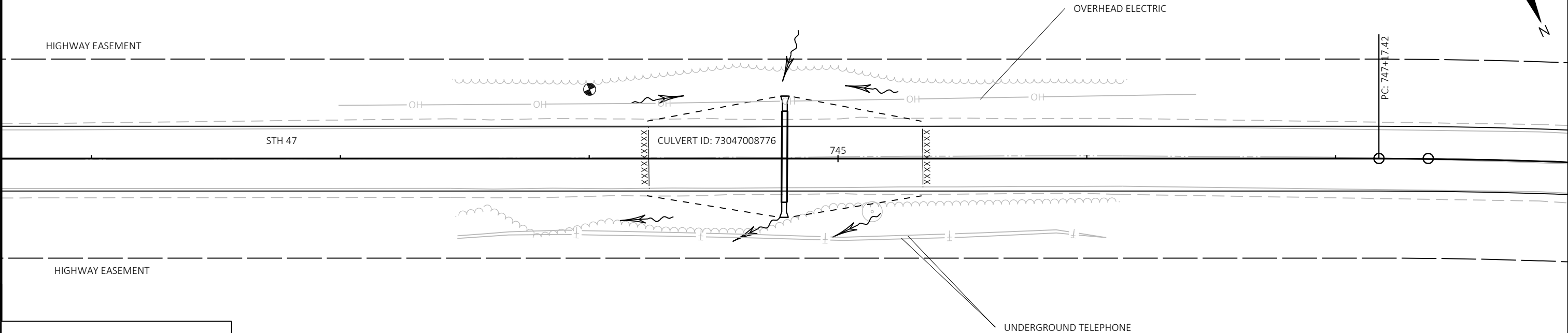
HIGHWAY EASEMENT

UNDERGROUND TELEPHONE

5



Note: Slope intercepts are approximate, clearing limits are exact.



5

SLOPE INTERCEPT (APPROX)

DIRECTION OF FLOW

CLEARING

CLEARING

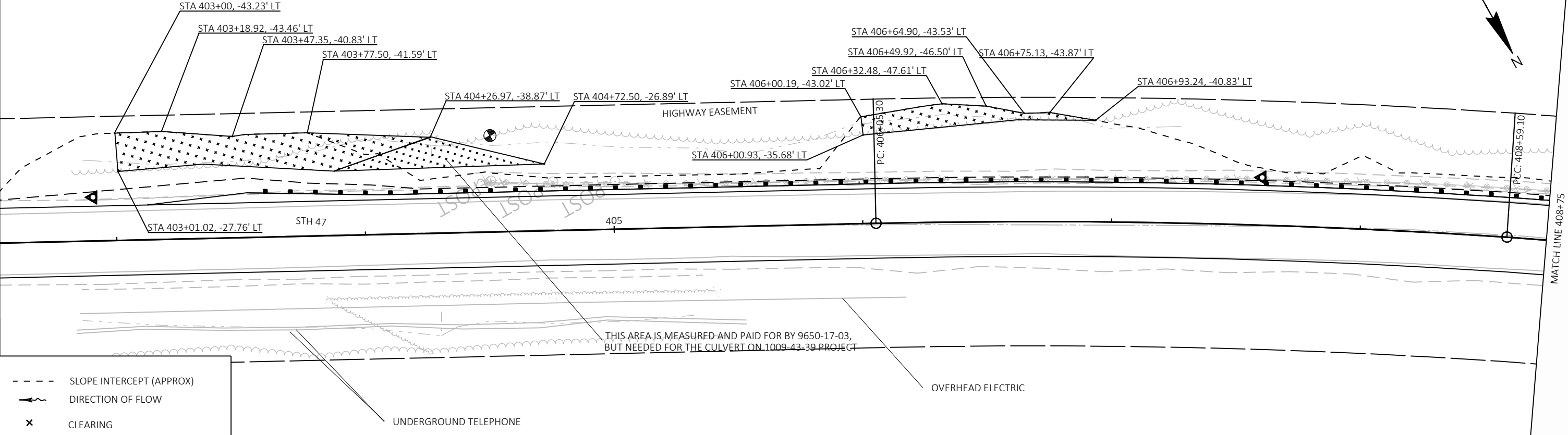
RIP RAP*

*Work to be completed by others

PROJECT NO: 1009-43-74	HWY: STH 47	COUNTY: MENOMINEE	TREE CLEARING SITE 13	SHEET 84	E
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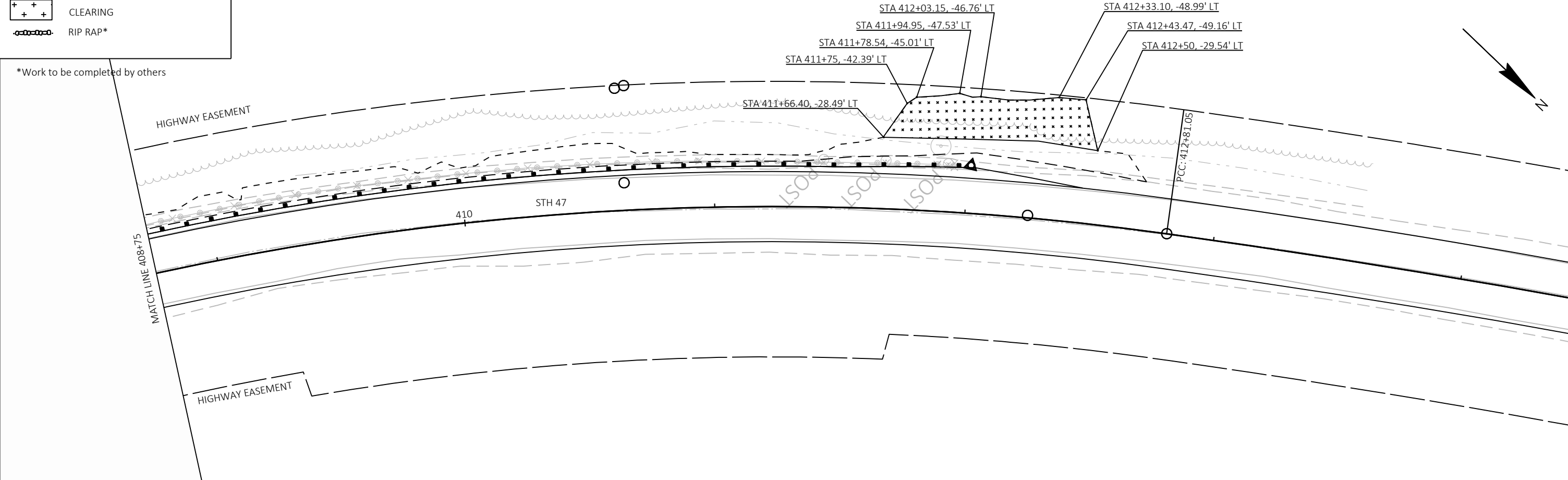
FILE NAME : X:\PROJECTS\MENOMINEE\STH 47 & STH 55\220116 9650-17-03 STH 47 MAINLINE SHAWANO-NEOPIT\DESIGN\C3D\17-03 RURAL RESURFACE PROJECT - 73 ID\SHEETSP\PLAN\022001-CLEAR BLG\01A.DWG 5/10/2024 10:54 PM PLOT BY : KEVIN LOHFF PLOT NAME : PLOT SCALE : 1 IN=40 FT WISDOT/CADDs SHEET 44

Note: Slope intercepts are approximate, clearing limits are exact.



- SLOPE INTERCEPT (APPROX)
- DIRECTION OF FLOW
- x CLEARING
- + + + CLEARING
- - - RIP RAP*

*Work to be completed by others



PROJECT NO: 1009-43-74

HWY: STH 47

COUNTY: MENOMINEE

TREE CLEARING SITE 13

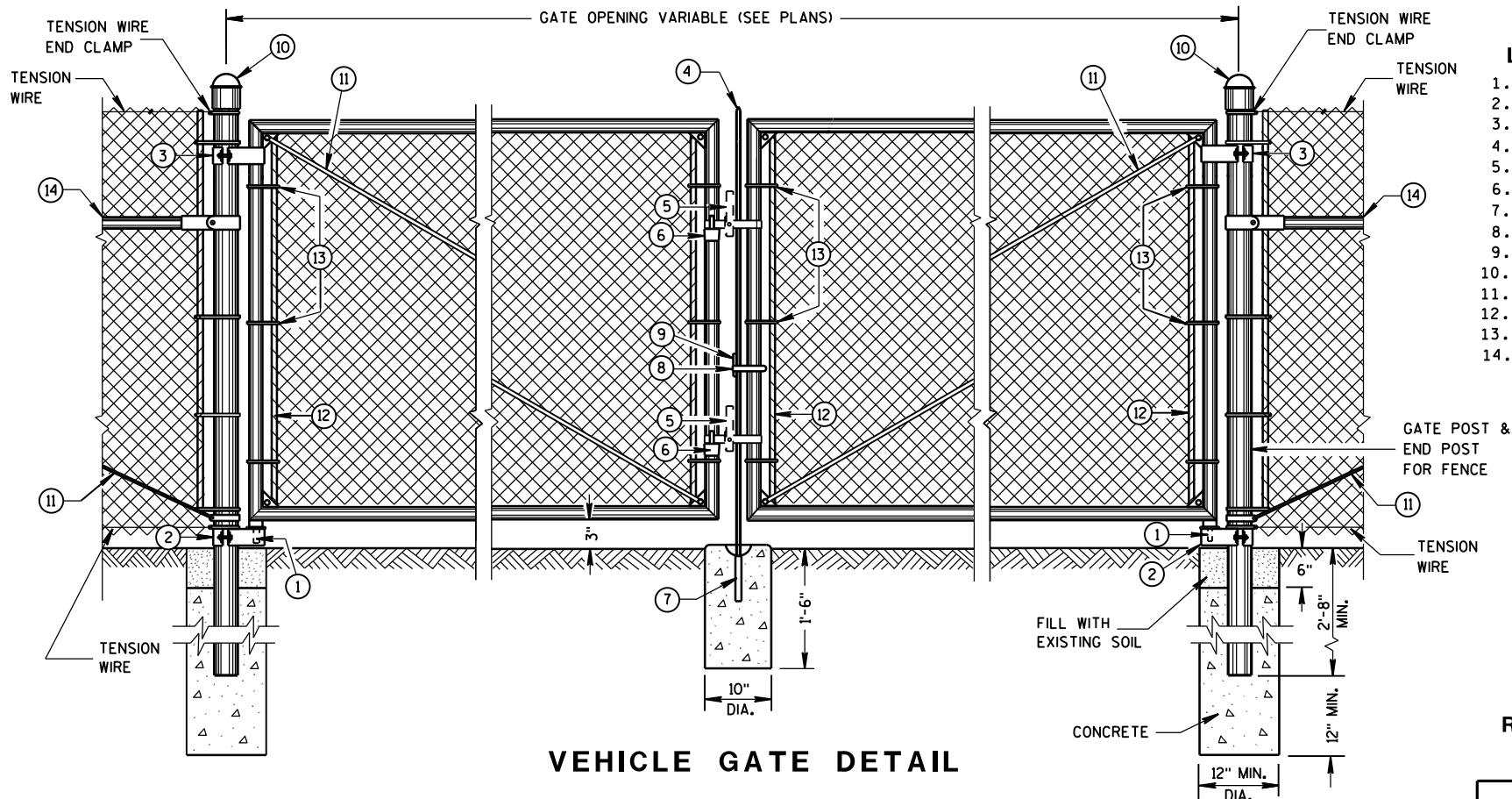
SHEET

85

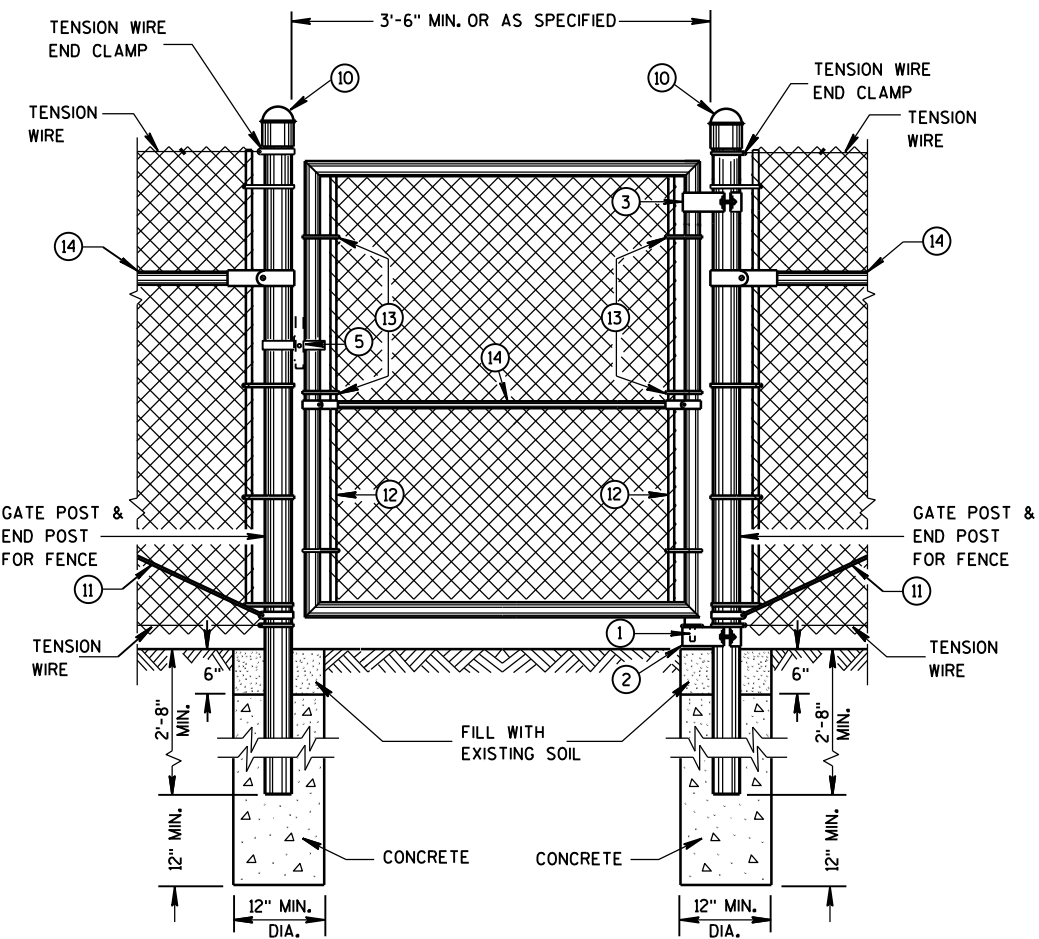
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Standard Detail Drawing List

15B03-15A	FENCE CHAIN LINK
15B03-15B	FENCE CHAIN LINK
15C11-10B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C12-09A	TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION
15D20-07B	TRAFFIC CONTROL, SINGLE RIGHT LANE CLOSURE, UNDIVIDED NON-FREEWAY/EXPRESSWAY
15D27-03	TRAFFIC CONTROL, SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH
15D28-04	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY



VEHICLE GATE DETAIL



PEDESTRIAN GATE DETAIL

REQUIRED FENCE POST SIZES

USE	FABRIC HEIGHTS FEET	POST TYPE
TERMINAL POSTS **	LESS THAN OR EQUAL TO 6 FT.	SP3
	GREATER THAN OR EQUAL TO 6 FT.	SP4
LINE POSTS	LESS THAN OR EQUAL TO 6 FT.	SP2
	LESS THAN OR EQUAL TO 8 FT.	SP3
	GREATER THAN OR EQUAL TO 8 FT.	SP4
	LESS THAN OR EQUAL TO 8 FT.	FS2 OR FS2+
	GREATER THAN OR EQUAL TO 8 FT.	FS3

BRACE RAIL TYPES

USE	TYPE
BRACE RAIL	SP1 OR FS1

** INCLUDES END, CORNER, ANGLE, INTERSECTION AND INTERMEDIATE BRACED POSTS

LEGEND

1. STRAIGHT PLUG
 2. BOTTOM HINGE
 3. TOP HINGE
 4. PLUNGER ROD
 5. FULCRUM LATCH
 6. FORK CATCH *
 7. PLUNGER ROD CATCH
 8. LOCK KEEPER GUIDE
 9. LOCK KEEPER
 10. DOME TOPS
 11. TRUSS RODS
 12. TENSION BAR
 13. TENSION BANDS
 14. BRACE RAIL
- *NOT REQUIRED ON SINGLE SWING PEDESTRIAN GATE

GENERAL NOTES

FENCE POSTS INSTALLED ON CONCRETE WALLS SHALL BE ANCHORED INTO EMBEDDED METAL SLEEVES OR CORED HOLE BY FILLING THE ANNULAR SPACE WITH PEA GRAVEL FOLLOWED BY AN EPOXY RESIN ADHESIVE. THE EPOXY RESIN ADHESIVE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 235, CLASS A, B OR C.

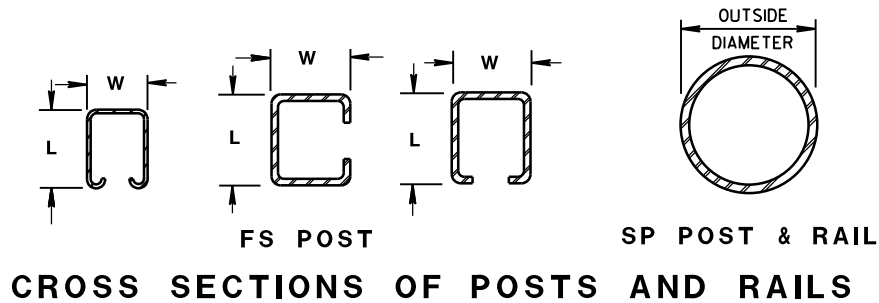
USE FENCE FABRIC KNUCKLED AT BOTH SELVAGES.

FOR LEAF GATES GREATER THAN 8 FEET WIDE, INSTALL INTERIOR VERTICAL BRACE RAIL AT 8 FOOT INTERVALS.

FOR FABRIC HEIGHTS GREATER THAN 8 FEET, INSTALL INTERIOR HORIZONTAL BRACE RAILS TO LEAF GATE.

MAXIMUM SAG FOR OUTER GATE MEMBER SHALL NOT EXCEED THE GREATER OF 1% OF THE LEAF GATE WIDTH OR 2 INCHES.

USE TYPE 2, CLASS 3, MARCELLED/CRIMPED, TENSION WIRE PER ASTM A 817.



ROLLED-FORMED STEEL FENCE POST
(2.0 OZ./SQ. FT. COATING)

POST TYPE	LENGTH (L) INCH	WIDTH (W) INCH	WEIGHT LBS/FT
FS1	1.625	1.25	1.35
FS2+	1.875	1.625	1.850
FS2	1.875	1.625	2.400
FS3	2.250	1.700	2.780

ROUND STEEL FENCE POST
(1.8 OZ./SQ. FT. COATING)

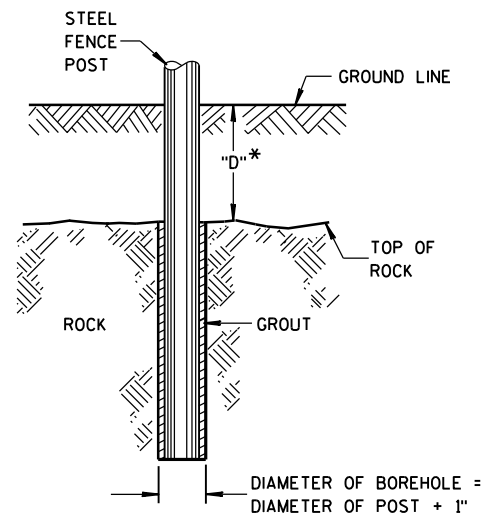
POST TYPE	OUTSIDE DIMENSION INCH	WALL THICKNESS INCH	WEIGHT LBS/FT
SP1	1.660	0.140	2.270
SP2	1.900	0.145	2.720
SP3	2.375	0.154	3.650
SP4	2.875	0.203	5.800
SP5	4.000	0.226	9.120
SP6	6.625	0.280	18.990
SP7	8.625	0.322	28.580

REQUIRED POST SIZE FOR GATES

USE	LEAF WIDTHS FEET	POST TYPE
GATES	LESS THAN OR EQUAL TO 6 FT.	SP4
	LESS THAN OR EQUAL TO 13 FT.	SP5
	LESS THAN OR EQUAL TO 18 FT.	SP6
	LESS THAN OR EQUAL TO 23 FT.	SP7

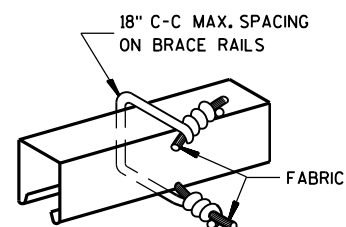
FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



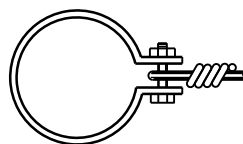
* IF "D" IS LESS THAN 2'-6",
DRILL ROCK AND INSTALL GROUT

ROCK INSTALLATION OF LINE POST

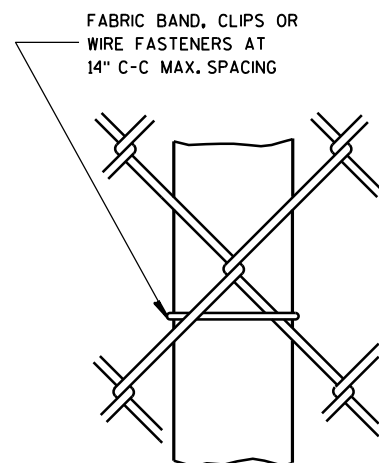


BRACE RAIL FABRIC FASTENER

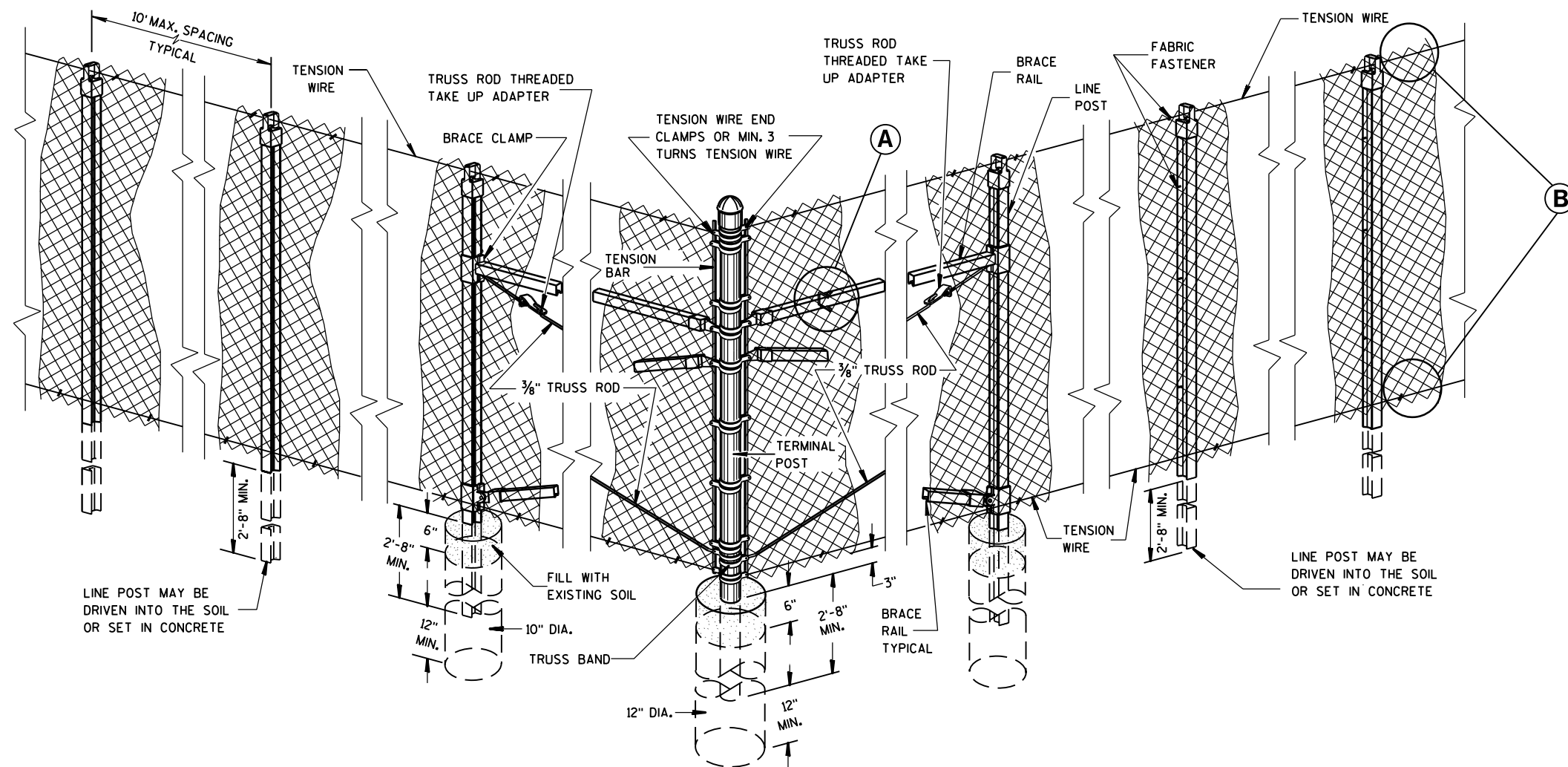
(A)



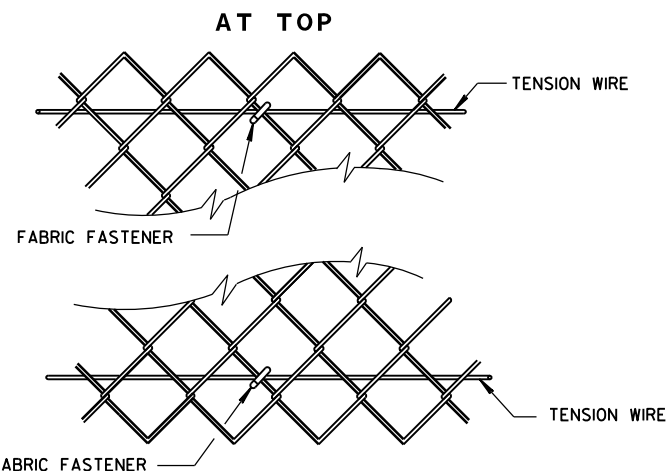
TENSION WIRE END CLAMP



LINE POST FABRIC FASTENER



END, CORNER, ANGLE INTERSECTION & INTERMEDIATE BRACED POSTS



(B)

FENCE CHAIN LINK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

FEB. 2015

DATE

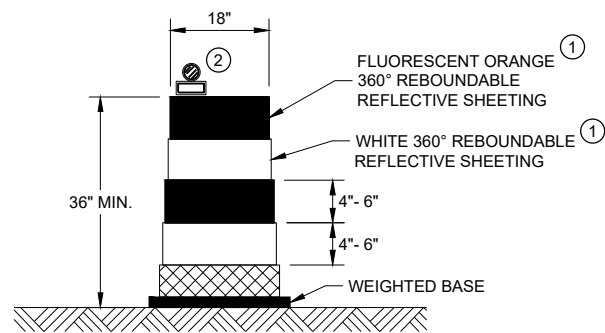
FHWA

/S/ Jerry H. Zogg

ROADWAY STANDARDS 88

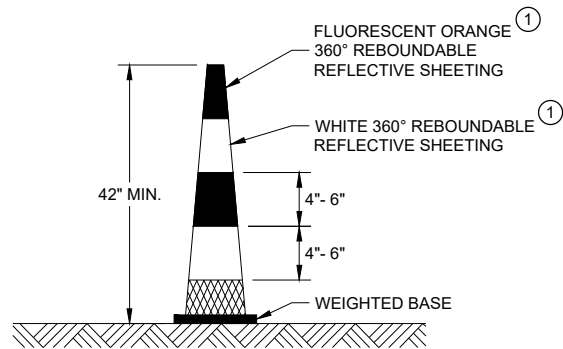
ENGINEER

ENT



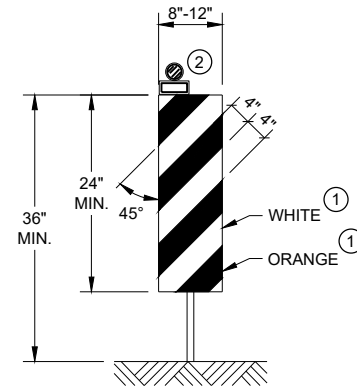
DRUM

BALLAST WIDTHS
RANGE FROM 24"-36"



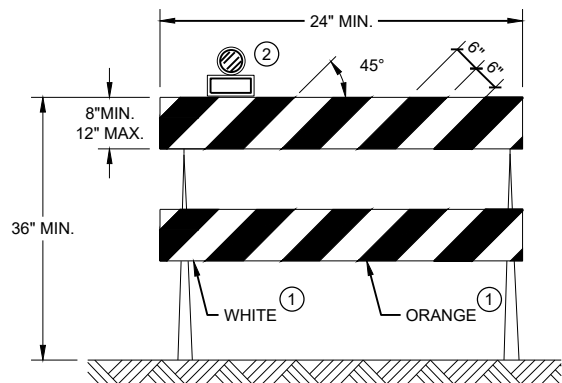
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS
BALLAST WIDTHS
RANGE FROM 14"-20"



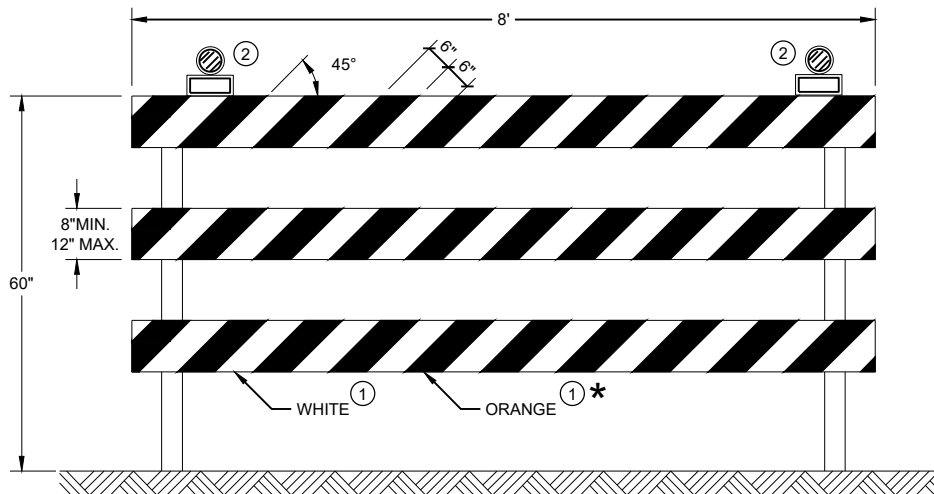
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

GENERAL NOTES

- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- ② LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED November 2022 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER 89
FHWA	

LEGEND

-  SIGN ON PORTABLE OR PERMANENT SUPPORT
-  TEMPORARY PORTABLE RUMBLE STRIP ARRAY
-  DIRECTION OF TRAFFIC
-  WORK AREA
-  FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

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

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGING

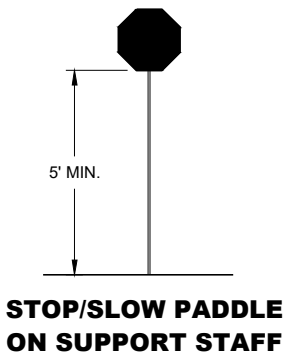
FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT REMOVE TEMPORARY PORTABLE RUMBLE STRIPS PRIOR TO COVERING OR REMOVING ALL ADVANCE SIGNING.

- ① FOR MOVING WORK OPERATIONS, POST ADDITIONAL W20-7A FLAGGER SIGNS AT APPROXIMATELY 3,500' INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.
- ② SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

WHEN THE DISTANCE BETWEEN FLAGGERS EXCEEDS 2 MILES, A PILOT CAR IS REQUIRED. WHEN CURVES REDUCE SIGHT DISTANCE BELOW 400', A PILOT CAR IS REQUIRED.

TEMPORARY PORTABLE RUMBLE STRIPS

- UTILIZE TEMPORARY PORTABLE RUMBLE STRIPS ON ALL FLAGGING OPERATIONS.
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER
- ONLY USE TEMPORARY PORTABLE RUMBLE STRIPS FROM THE APPROVED PRODUCTS LIST.
- INSTALL TEMPORARY RUMBLE STRIPS PER MANUFACTURER'S RECOMMENDATIONS.
- PLACE ADVANCE SIGNING PRIOR TO INSTALLING TEMPORARY RUMBLE STRIPS.
- DO NOT INSTALL TEMPORARY PORTABLE RUMBLE STRIPS ON GRAVEL, MILLED SURFACES, OR ASPHALT THAT HAS BEEN PAVED LESS THAN 12 HOURS.

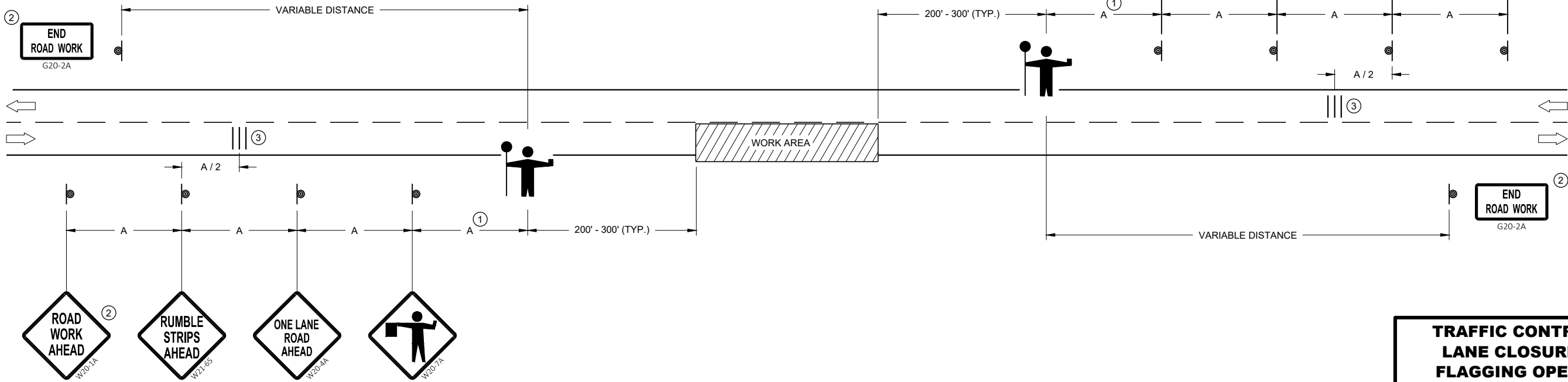


SIGN AND TEMPORARY RUMBLE STRIP ARRAY SPACING TABLE

SPEED LIMIT	SPACING "A"
25-30 MPH	200'
35-40 MPH	350'
45-55 MPH	500'



USE OF W03-4 SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7A AND W20-4A SIGNS, USING SPACING "A".



TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED May 2022 DATE	/S/ Andrew Heidtke WORK ZONE ENGINEER 90
FHWA	

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
-  TYPE III BARRICADE WITH ATTACHED SIGN
-  TYPE "A" WARNING LIGHT (FLASHING)
-  FLASHING ARROW BOARD
-  DIRECTION OF TRAFFIC
-  REMOVE PAVEMENT MARKING (SEE GENERAL NOTES)
-  WORK AREA

GENERAL NOTES

THIS DETAIL MAY BE USED FOR ROADWAYS WITH EITHER TWO OR THREE LANES IN EACH DIRECTION.

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36"X 36" SIGNS MAY BE USED IF APPROVED BY REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON COVERED OR "DOWNED" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS OR THAT WILL BE PLACED IN A CLOSED LANE MAY BE MOUNTED ON TEMPORARY SUPPORTS.

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

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500' DESIRABLE) DISTANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE

W20-1A, G20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE LANE CLOSURE IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT.

REMOVE PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKING LINE IF LANE CLOSURE IS TO BE IN PLACE FOR 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARDS SO THE APPROACHING DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

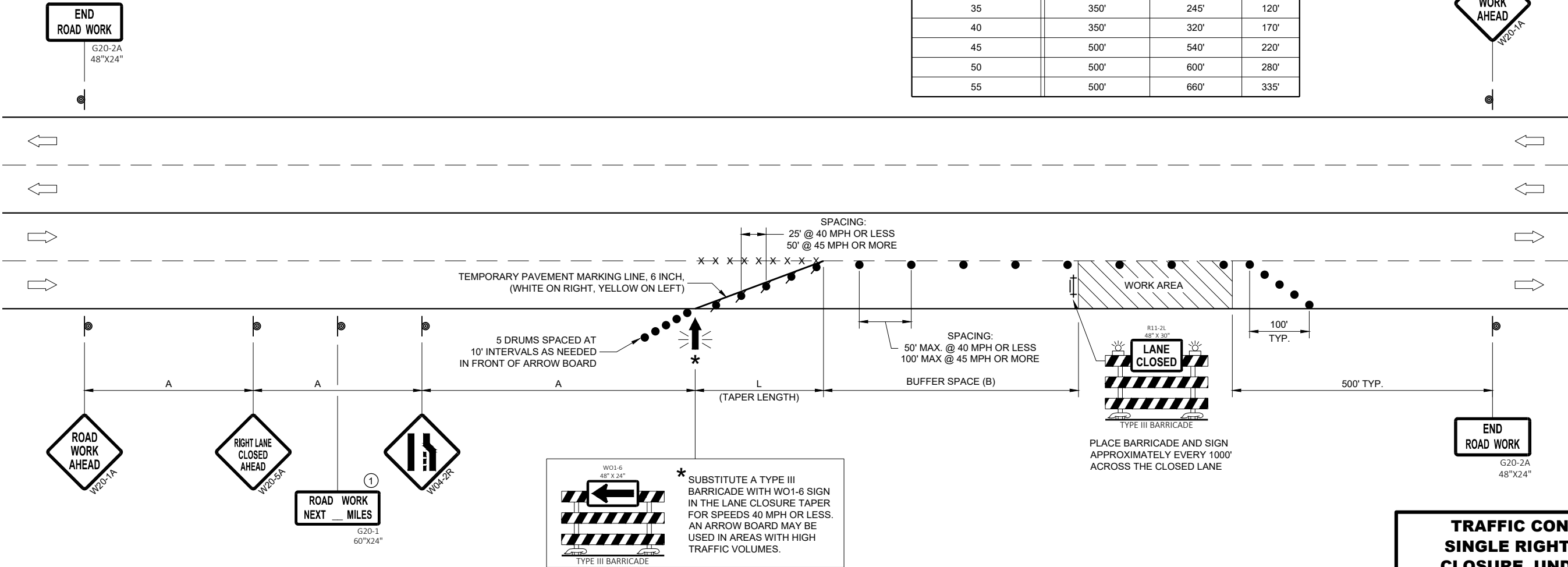
BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	TAPER LENGTH (12 FT. LANE) (L) FEET	BUFFER SPACE (B) FEET
25	200'	125'	55'
30	200'	180'	85'
35	350'	245'	120'
40	350'	320'	170'
45	500'	540'	220'
50	500'	600'	280'
55	500'	660'	335'

① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.



TRAFFIC CONTROL,
SINGLE RIGHT LANE
CLOSURE, UNDIVIDED
NON-FREEWAY/EXPRESSWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER
FHWA 91

LEGEND

- TRAFFIC CONTROL DRUM
- ⦿ SIGN ON PERMANENT SUPPORT
- ➡ DIRECTION OF TRAFFIC
- ⚡➡ FLASHING ARROW BOARD
- ▨ WORK AREA

GENERAL NOTES

THIS DETAIL IS TYPICAL FOR CLOSING THE RIGHT SHOULDER. FOR CLOSING THE LEFT SHOULDER, REVERSE THE TRAFFIC CONTROL.

THIS DETAIL MAY BE USED FOR DIVIDED ROADWAYS WITH ANY NUMBER OF TRAVEL LANES.

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

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

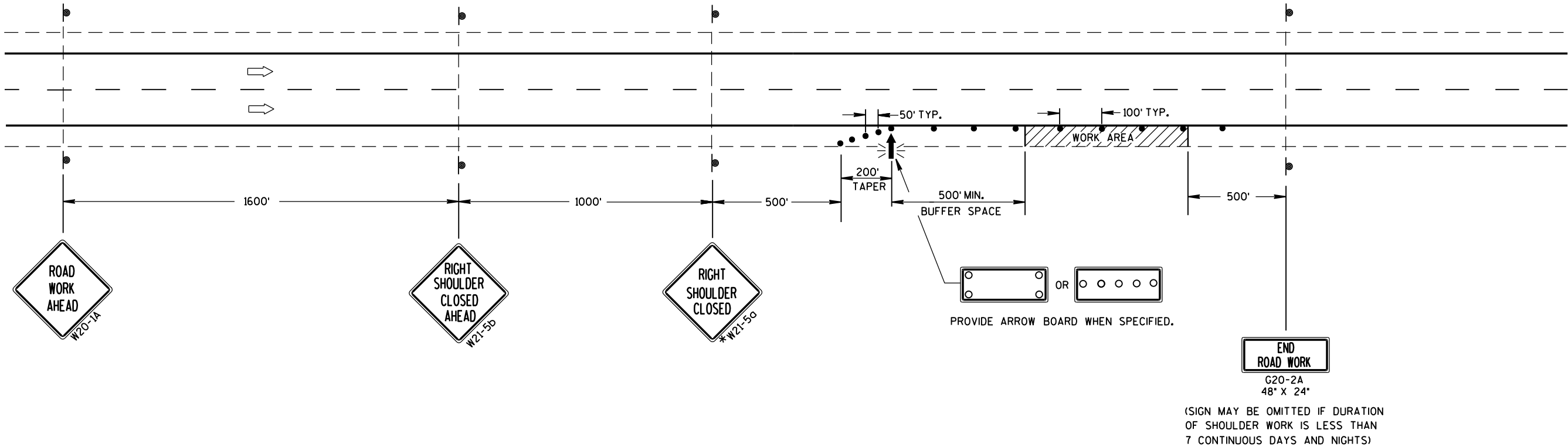
SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

WHEN A RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

*FOR SHORT DURATION SHOULDER WORK OF LESS THAN ONE HOUR, THE W21-5a SIGN MAY BE OMITTED.



TRAFFIC CONTROL
SHOULDER CLOSURE ON DIVIDED
ROADWAY, SPEEDS GREATER
THAN 40 MPH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA

LEGEND

-  SIGN ON PERMANENT SUPPORT
-  TRAFFIC CONTROL DRUM
-  DIRECTION OF TRAFFIC
-  WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

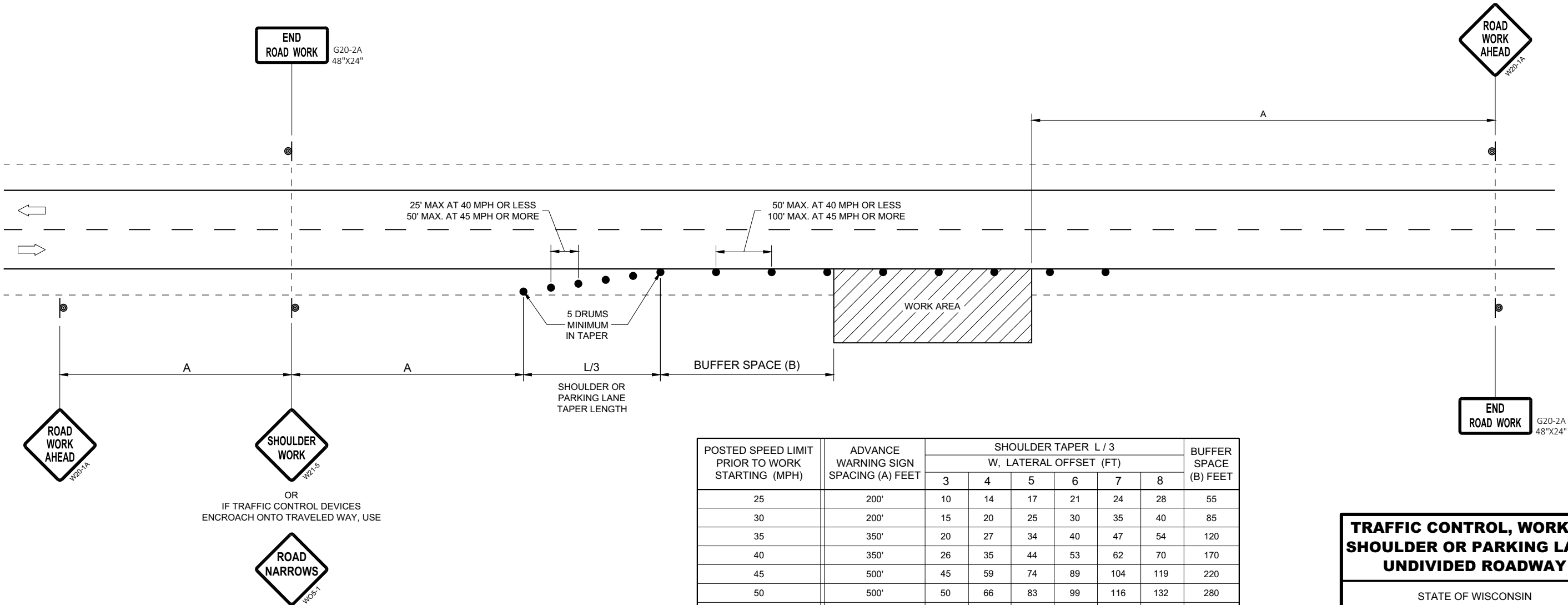
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

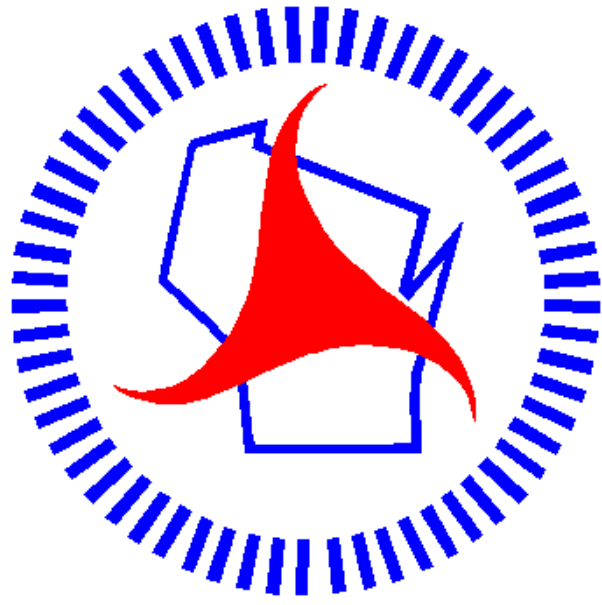


POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON
SHOULDER OR PARKING LANE,
UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020 /S/ Andrew Heidtke
DATE STATEWIDE WORK ZONE T SAFETY ENGINEER 93
FHWA



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

<http://www.dot.wisconsin.gov>