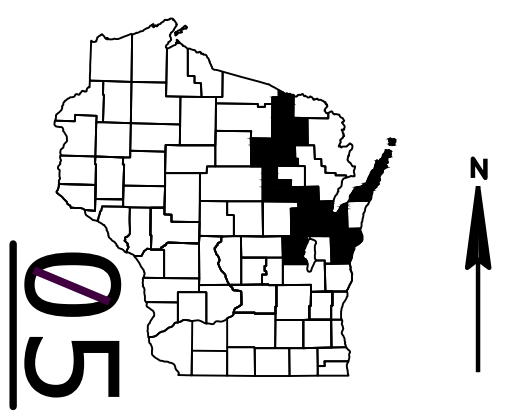


ORDER OF SHEETS

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 = 80



DESIGN DESIGNATION

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

CONVENTIONAL SYMBOLS

PLAN

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

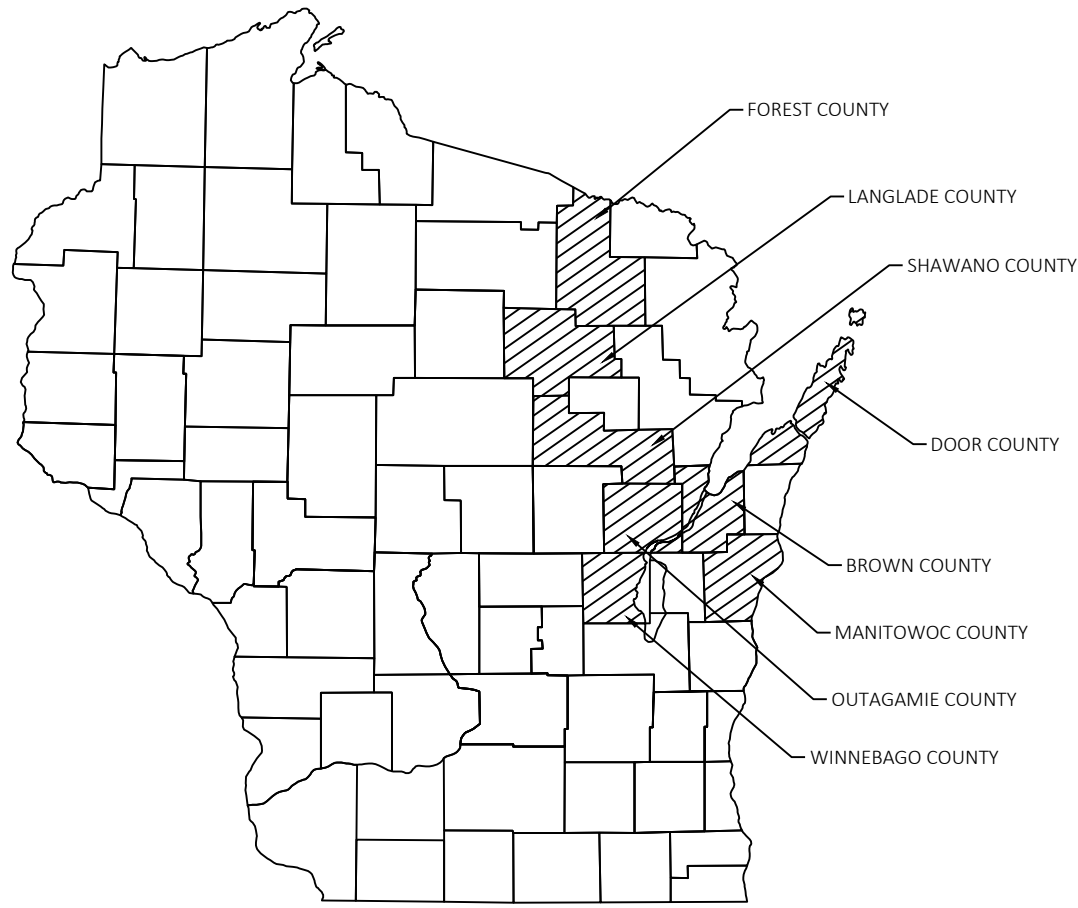
PROFILE

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

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT FY 23 STATE WIDE TREE CLEARING VARIOUS COUNTIES (NER & NCR) NON HWY STATEWIDE

STATE PROJECT NUMBER
1009-37-01



LAYOUT
SCALE 0 _____

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
1009-37-01	_____	_____
	_____	_____
	_____	_____
	_____	_____

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	_____
Surveyor	WISDOT
Designer	E. DANKE
Project Manager	S. EBEL
Regional Examiner	_____
Regional Supervisor	E. GWIDT

APPROVED FOR THE DEPARTMENT
DATE: 7/19/2023 
(Signature)

E

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT CONTACTS
- PROJECT OVERVIEW
- PROJECT DETAILS

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.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

THE CONTRACTOR IS TO WORK WITH UTMOST CARE AND PROTECT ALL SURVEY MARKERS. REMOVAL OF ANY SURVEY MARKERS IS TO BE WITH THE APPROVAL OF THE ENGINEER.

CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS AT ALL TIMES.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

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

DESIGN PROJECT MANAGER

SCOTT EBEL
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920) 492-5676
scott.ebel@dot.wi.gov

DESIGN PROJECT LEADER

ERIC DANKE
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920) 492-5647
eric.danke@dot.wi.gov

NE REGION SURVEY COORDINATOR

MICHAEL ANDRASCHKO, PLS
944 VANDERPERREN WAY
GREEN BAY, WI 54304
(920) 492-4166
michael.androschko@dot.wi.gov



UTILITIES

COMMUNICATIONS

ASTREA
ANDREW HEIGL
105 KENT ST
IRON MOUNTAIN, MI 49801
PHONE: (906) 221-7536
ANDY.HEIGL@ASTREACONNECT.COM

CENTURYLINK
CHUCK BRUN
5475 MEREDITH DR
DES MOINES, IA 50131
PHONE: (515) 336-6310
MOBILE: (515) 371-3429
CHARLES.BRUN@LUMEN.COM

FOREST COUNTY POTAWATOMI
JOE MAYER
5416 EVERYBODYS RD
CRANDON, WI 54520
PHONE: (715) 889-2943
JOE.MAYER@FCP-NSN.GOV

GAS/PETROLEUM

WISCONSIN PUBLIC SERVICE CORP
STEVE BONECK
1717 10TH AVE
MENOMINEE, MI 49858
PHONE: (906) 863-4320
MOBILE: (920) 606-3338
STEVE.BONECK@WISCONSINPUBLICSERVICE.COM

SANITARY SEWER

WABENO SANITARY DISTRICT #1
ALLEN ERVAY
1735 3RD ST
WABENO, WI 54566
PHONE: (715) 473-2905
MOBILE: (715) 850-0367
OPERATORWSD328@GMAIL.COM

WATER

WABENO SANITARY DISTRICT #1
ALLEN ERVAY
1735 3RD ST
WABENO, WI 54566
PHONE: (715) 473-2905
MOBILE: (715) 850-0367
OPERATORWSD328@GMAIL.COM

ELECTRIC

WISCONSIN PUBLIC SERVICE CORP
BRANDON TAYLOR
2850 S ASHLAND AVE
PO BOX 19001
GREEN BAY, WI 54307-9001
PHONE: (715) 775-0222
BRANDON.TAYLOR@WISCONSINPUBLICSERVICE.COM



UTILITIES

Russ Ryan
Frontier Communications of WI LLC - Communication Line
118 Division Street
Plymouth, WI 53073
(920) 583-3275
Russell.w.ryan@ftr.com

Wisconsin Public Serviv Utility Coordinator
Wisconsin Public Service Corporation - Electricity
P.O. Box 19001
Green Bay, WI 54307-9001
(920) 433-1513
utilitiesrelocation@wisconsinpublicservice.com

Marcus Davidson
Wittenberg Telephone Company - Communication Line
P.O. Box 160
Wittenberg, WI 54449-0160
(715) 253-2111
marcus@cirrinity.net



UTILITIES

WP&L Road Plans
Alliant Energy - Electricity
4902 North Biltmore Lane
Madison, WI 53718
(608) 458-3162
WPLRoadPlans@AlliantEnergy.com

Russ Ryan
Frontier Communications of WI LLC - Communication Line
118 Division Street
Plymouth, WI 53073
(920) 583-3275
Russell.w.ryan@ftr.com



UTILITIES CONTACTS

AT&T WISCONSIN
SHEA GORZELANCZYK
205 S JEFFERSON ST
GREEN BAY, WI 54301
PHONE: (920) 433-4250
MOBILE: (920) 227-8871
sg2528@att.com

CENTURYLINK
BRUCE HENRY
1623 BROADWAY AVENUE
SHEBOYGAN, WI 53081
PHONE: (920) 907-7720
MOBILE: (920) 263-0074
bruce.henry@charter.com

FRONTIER NORTH INC.
RUSS RYAN
118 DIVISION STREET
PLYMOUTH, WI 53073
PHONE: (920) 583-3275
MOBILE: (920) 737-9662
russell.w.ryan@ftr.com

NET LEC, LLC
RICK VINCENT
450 SECURITY BLVD
BOX 19079
GREEN BAY, WI 54307-9079
PHONE: (920) 617-7316
MOBILE: (920) 617-7319
rick.vincent@nsight.com

SEVASTOPOL SANITARY DISTRICT #1
DAVID LEIST
5051 MATHEY RD
STURGEON BAY, WI 54235
PHONE: (920) 493-4325
leistconst@gmail.com

STURGEON BAY UTILITIES
JIM STAWICKI
230 E VINE ST
BOX 27
STURGEON BAY, WI 54235-2039
PHONE: (920) 746-2820
jstawicki@wppienergy.org

WISCONSIN PUBLIC SERVICE CORPORATION
LORI BUTRY
700 N ADAMS ST
BOX 19001
GREEN BAY, WI 54307-9001
PHONE: (920) 433-1703
utilitiesrelocation@wisconsinpublicservice.com



UTILITIES

BAILEYS HARBOR WASTEWATER - SANITARY SEWER
DON PRUST
2605 SUMMIT ROAD
BAILEYS HARBOR, WI 54202
(920) 839-2037
BHWW@BAILEYSHARBORWI.ORG

FRONTIER COMMUNICATIONS OF WI LLC - COMMUNICATION
RUSS RYAN
118 DIVISION STREET
PLYMOUTH, WI 53073
(920) 583-3275, CELL: (920) 737-9662
RUSSELL.W.RYAN@FTR.COM

WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY
WENDY CHRIST
P.O. BOX 19001
GREEN BAY, WI 54307-9001
(920) 617-5173
UTILITIESRELOCATION@WISCONSINPUBLICSERVICE.COM



DIGGERS HOTLINE

Dial **811** or (800)242-8511

www.DiggersHotline.com

UTILITIES CONTACTS

JEFF KRUEGER (PRIMARY CONTACT)
ONEIDA TRIBE OF INDIANS UTILITY DEPARTMENT
- COMMUNICATION LINE
909 PACKERLAND DRIVE
GREEN BAY, WI 54303
(920) 496-7383
JKRUEGER@ONEIDANATION.ORG

RICK VINCENT (PRIMARY CONTACT)
NET LEC LLC
COMMUNICATION LINE
450 SECURITY BLVD
P.O. BOX 19079
GREEN BAY, WI 54307-9079
(920) 617-7316
RICK.VINCENT@NSIGHT.COM

SCOTT COTTRELL (PRIMARY CONTACT)
ONEIDA TRIBE OF INDIANS UTILITY DEPARTMENT
- SANITARY & WATER
3783 W. MASON ST
P.O. BOX 365
ONEIDA, WI 54155
(920) 497-5806
SCOTTREL@ONEIDANATION.ORG

JIM EIDEN (PRIMARY CONTACT)
WISCONSIN PUBLIC SERVICE
CORPORATION - GAS/PETROLEUM
2850 S. ASHLAND AVE
GREEN BAY, WI 54304
(920) 617-5231
JAMES.EIDEN@
WISCONSINPUBLICSERVICE.COM

CHARLES BARTELT
AT&T WISCONSIN - COMMUNICATION LINE
205 S JEFFERSON ST
GREEN BAY, WI 54301
(920) 410-5104
cb1461@att.com

VINCENT ALBIN (PRIMARY CONTACT)
SPECTRUM - COMMUNICATION LINE
3520 E DESTINATION DR
APPLETON, WI 54915
(920) 831-9249
VINCE.ALBIN@CHARTER.COM

ROBERT SMITH (PRIMARY CONTACT)
WISCONSIN PUBLIC SERVICE CORPORATION -
ELECTRICITY
P.O. BOX 19001
GREEN BAY, WI 54307-9001
(920) 617-5284
ROBERT.SMITH@
WISCONSINPUBLICSERVICE.COM



UTILITIES

COMMUNICATIONS

BRIGHTSPEED
SCOTT HEINZELMAN
144 N PEARL STREET
BERLIN, WI 54923
PHONE: (608)716-5964
SCOTT.HEINZELMAN@BRIGHTSPEED.COM

NET LEC LLC
RICK VINCENT
450 SECURITY BOULEVARD
P.O. BOX 17079
GREEN BAY, WI 54307
PHONE: (920)617-7616
RICK.VINCENT@NSIGHT.COM

NORTHEAST TEL CO LLC
RICK VINCENT
450 SECURITY BOULEVARD
P.O. BOX 17079
GREEN BAY, WI 54307
PHONE: (920)617-7616
RICK.VINCENT@NSIGHT.COM

ONEIDA TRIBE OF INDIANS
JEFF KRUEGER
900 PACKERLAND DRIVE
GREEN BAY, WI 54303
PHONE: (920)496-7383
JKRUEGER@ONEIDANATION.ORG

SEYMOUR COMMUNITY SCHOOL
TIM DIERMEIER
10 CIRCLE DRIVE
SEYMOUR, WI 54165
PHONE: (920)850-2577
TDIERMEIER@SEYMOUR.K12.WI.US

SPECTRUM
VINCENT ALBIN
3520 EAST DESTINATION DRIVE
APPLETON, WI 54915
PHONE: (920)378-0444
VINCE.ALBIN@CHARTER.COM

ELECTRICITY

WE ENERGIES
REIJO MURTO
800 S LYNNDALE DRIVE
APPLETON, WI 54914
PHONE: (920)380-3369
REIJO.MURTO@WE-ENERGIES.COM

WISCONSIN PUBLIC SERVICE CORPORATION
ROBERT SMITH
P.O. BOX 19001
GREEN BAY, WI 54307
PHONE: (920) 617-5284
ROBERT.SMITH@WISCONSINPUBLICSERVICE.COM

ELECTRICITY - TRANSMISSION

ATC MANAGEMENT, INC.
CHRIS DAILEY
P.O. BOX 47
WAUKESHA, WI 53187
PHONE: (262)506-6884
CDAILEY@ATCLLC.COM

GAS/PETROLEUM

WISCONSIN PUBLIC SERVICE CORPORATION
JIM EIDEN
2850 S. ASHLAND AVENUE
GREEN BAY, WI 54304
PHONE: (920)617-5231
JAMES.EIDEN@WISCONSINPUBLICSERVICE.COM

WE ENERGIES
CODY JACOBSON
800 S LYNNDALE DRIVE
APPLETON, WI 54914
PHONE: (920)380-3565
CODY.JACOBSON@WE-ENERGIES.COM

GAS/PETROLEUM - TRANSMISSION

ANR PIPELINE CO
MICHAEL REIF
NORTH 4956 OAKCREST DRIVE
BONDUEL, WI 54107
PHONE: (920)634-7497
MICHAEL_REIF@TCENERGY.COM

GUARDIAN PIPELINE
ADAM THEIS
128 M B LANE
CHILTON, WI 53014
PHONE: (262)374-2756
ADAM.THEIS@ONEOK.COM

WATER & SEWER

CITY OF SEYMOUR
JOHN SCHOEN
445 MUNICIPAL DRIVE
SEYMOUR, WI 54165
PHONE: (920)851-0121
JSCHOEN@CITYOFSEYMOURWI.ORG

ONEIDA TRIBE OF INDIANS
SCOTT COTTRELL
3783 W. MASON STREET
ONEIDA, WI 54155
PHONE: (920) 562-2911
SCOTTREL@ONEIDANATION.ORG



UTILITIES CONTACTS

Joseph Kassab
AT&T Wisconsin - Communication Line
First Floor Engineering
205 S Jefferson St
Green Bay, WI 54301
(920) 735-3206
jk572k@att.com

Vincent Albin
Charter Communications - Communication Line
3520 E Destination Dr
Appleton, WI 54915
(920) 831-9249
Vince.Albin@charter.com

Rudi Rudiger
Charter Communications - Communication Line
5024 Heffron St
Stevens Point, WI 54481
(715) 204-5339
rudi.rudiger@charter.com

Dan Klansky
Greenville Sanitary District No. 1 - Sewer
W6860 Parkview Dr
Greenville, WI 54942
(920) 757-5151
dklansky@townofgreenville.com

Dan Klansky
Greenville Sanitary District No. 1 - Water
W6860 Parkview Dr
Greenville, WI 54942
(920) 757-5151
dklansky@townofgreenville.com

Shawn Brady
Hortonville Area Schools - Communication Line
246 N. Oak St
P.O. Box 70
Hortonville, WI 54944
(920) 339-8056

Rick Vincent
Net Lec LLC - Communication Line
450 Security Blvd
P.O. Box 19079
Green Bay, WI 54307-9079
(920) 617-7316
rick.vincent@nsight.com

Mary Fisher
PaeTec Communications, LLC - Communication Line
13935 Bishops Dr
Brookfield, WI 53005
(262) 792-7938
Mary.B.Fisher@windstream.com

Steve Jakubiec
TDS Metrocom LLC - Communication Line
Suite 218A
10 College Ave
Appleton, WI 54911
(920) 882-4166
steve.jakubiec@tdstelecom.com

Nicole Smullen
We Energies - Electricity
A299
333 W Everett St
Milwaukee, WI 53203
(414) 221-5617
Nicole.Smullen@wecenergygroup.com

Nicole Smullen
We Energies - Gas/Petroleum
A299
333 W Everett St
Milwaukee, WI 53203
(414) 221-5617
Nicole.Smullen@wecenergygroup.com



UTILITIES

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

PAETEC COMMUNICATIONS, LLC (COMMUNICATIONS)
LORI KETTER
314 N. DANZ AVE.
GREEN BAY, WI, 54302-3526
(920) 410-6902
LORI.KETTER@WINDSTREAM.COM

ELECTRIC
KAUKAUNA UTILITIES (ELECTRIC)
ERIC MILLER
777 ISLAND ST., P.O. BOX 1777
KAUKAUNA, WI, 54130-7077
(920) 462-0214
EMILLER@KU-WI.ORG



UTILITIES

ELECTRIC

ALLIANT ENERGY
880 NORTH WISCONSIN STREET
BERLIN, WI 54923
ATTN: JOSEPH DUCAT
PHONE: (920) 979-1089
EMAIL: josephducat@alliantenergy.com

ELECTRIC WISCONSIN PUBLIC SERVICE CORPORATION
2850 S ASHLAND AVE GREEN BAY, WI. 54304
ATTN: SCOTT ZELLNER
PHONE: 920-617-5068
EMAIL: scott.zellner@wisconsinpublicservice.com

COMMUNICATIONS

AT&T WISCONSIN
70 EAST DIVISION STREET
FOND DU LAC, WI 54935
ATTN: CHARLES BARTELT
PHONE: (920) 410-5104
EMAIL: cb1461@att.com

GAS

WISCONSIN PUBLIC SERVICE CORPORATION
3300 N. MAIN STREET
OSHKOSH, WI 54901
ATTN: ADAM VANDENHOUTEN
PHONE: (920) 617-2736
EMAIL: adam.vandenhouten@wisconsinpublicservice.com

COMMUNICATIONS

SPECTRUM
165 KNIGHTS WAY
FOND DU LAC, WI 54935
ATTN: TODD HILDEBRANDT
PHONE: (920) 794-4946
EMAIL: todd.hildebrandt@charter.com

GAS

UNITED COOPERATIVE
N7160 RACEWAY ROAD
BEAVER DAM, WI 53916
ATTN: KARL BETH
PHONE: (920) 887-1756
EMAIL: karlb@unitedcooperative.com



UTILITY CONTACTS

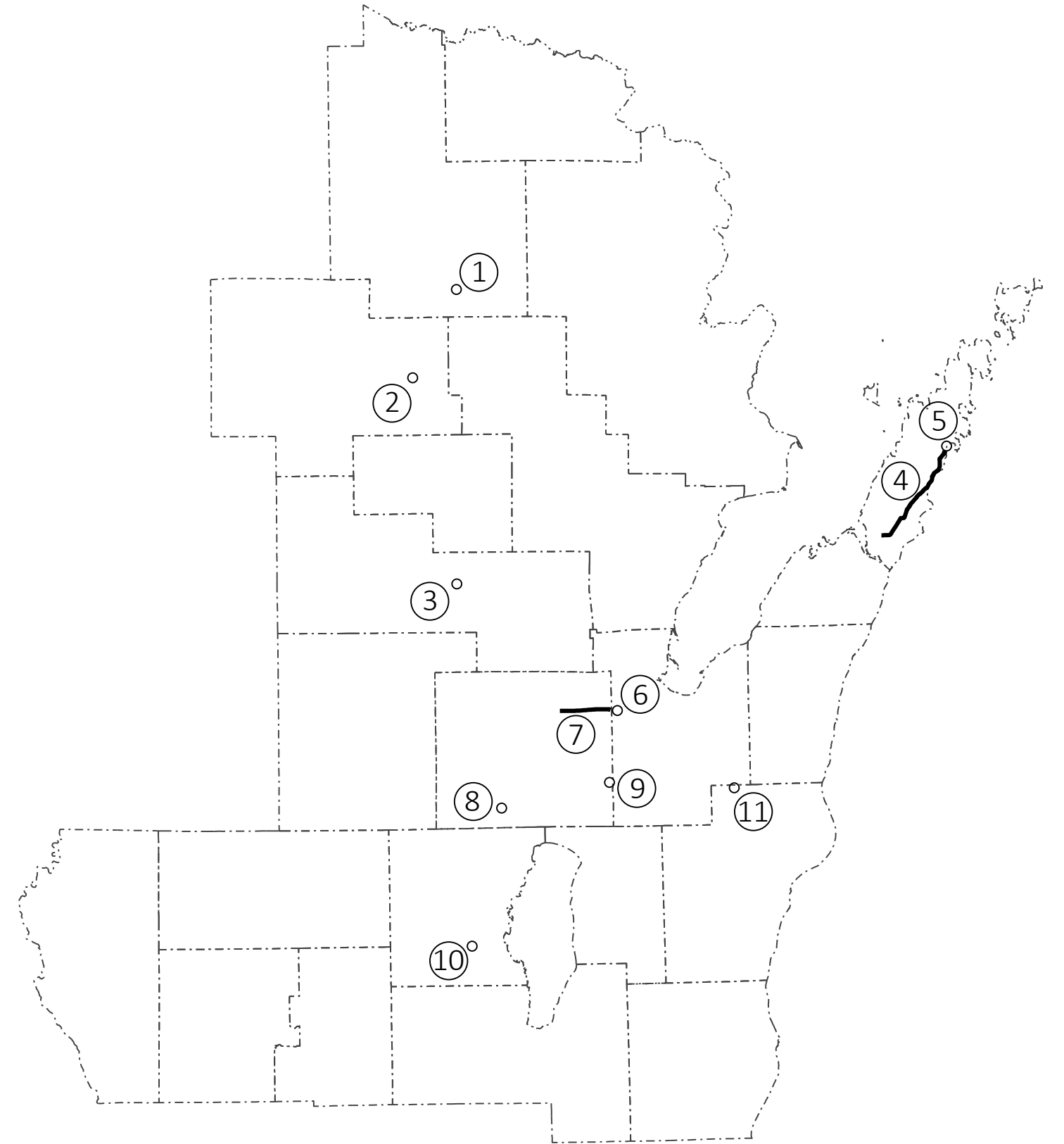
COMMUNICATIONS
BRIGHTSPEED - COMMUNICATION LINE
KEVIN ZICKERT
224 INDUSTRIAL DR
NORTH PRAIRIE, WI 53153
PHONE: (608)716-5959
EMAIL: RELOCATIONS@LUMEN.COM

ELECTRICITY
WISCONSIN PUBLIC SERVICE CORPORATION - ELECTRICITY
WENDY CHRIST
P.O. BOX 19001
GREEN BAY, WI 54307-9001
PHONE: (920)617-5173
EMAIL: UTILITIESRELOCATION@WISCONSINPUBLICSERVICE.COM

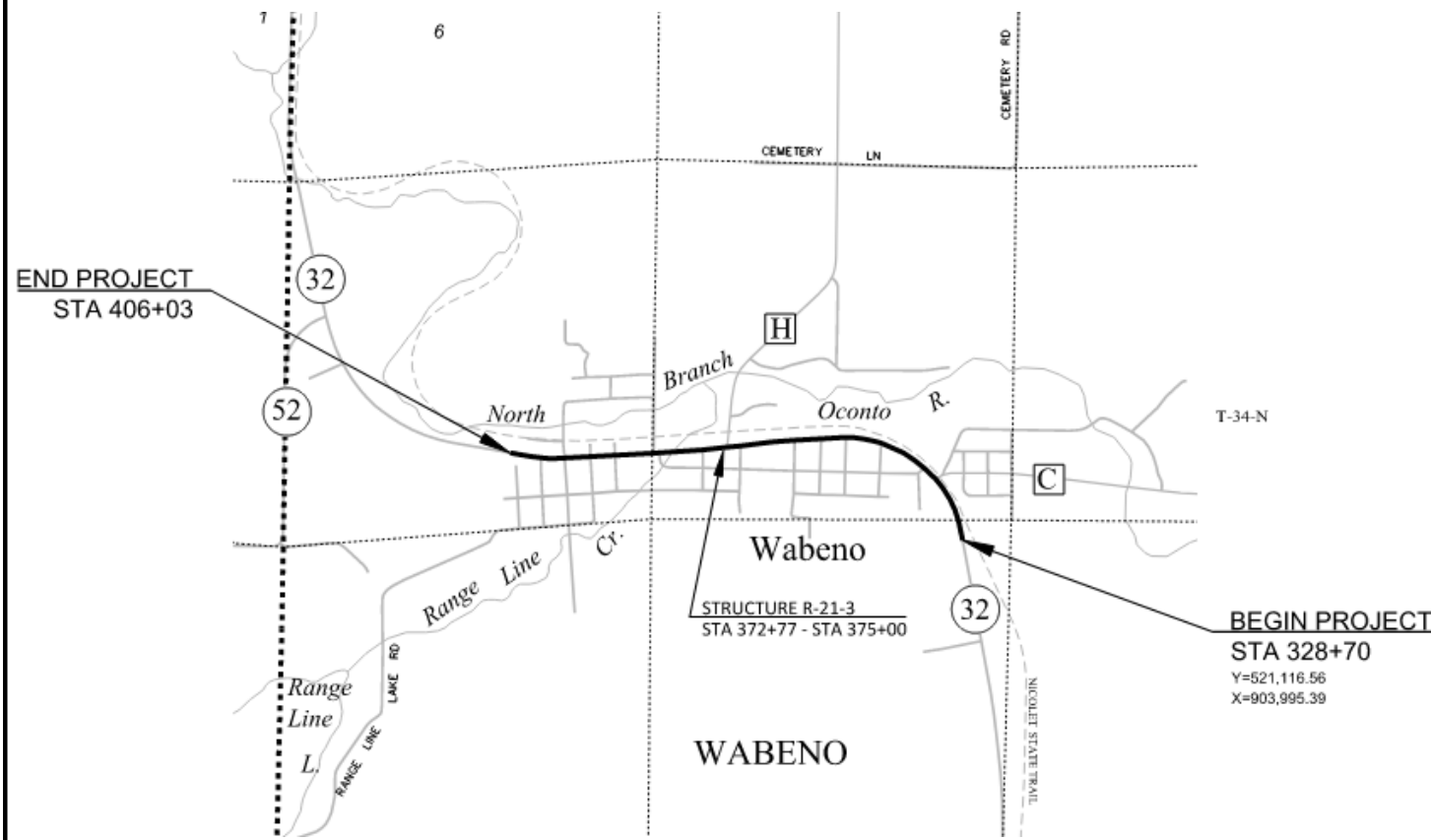
COMMUNICATIONS
LEVEL 3 COMMUNICATIONS LLC - COMMUNICATION LINE
JASON BUSSE
19 W FOND DU LAC STREET
RIPON, WI 54971
EMAIL: RELOCATIONS@LUMEN.COM



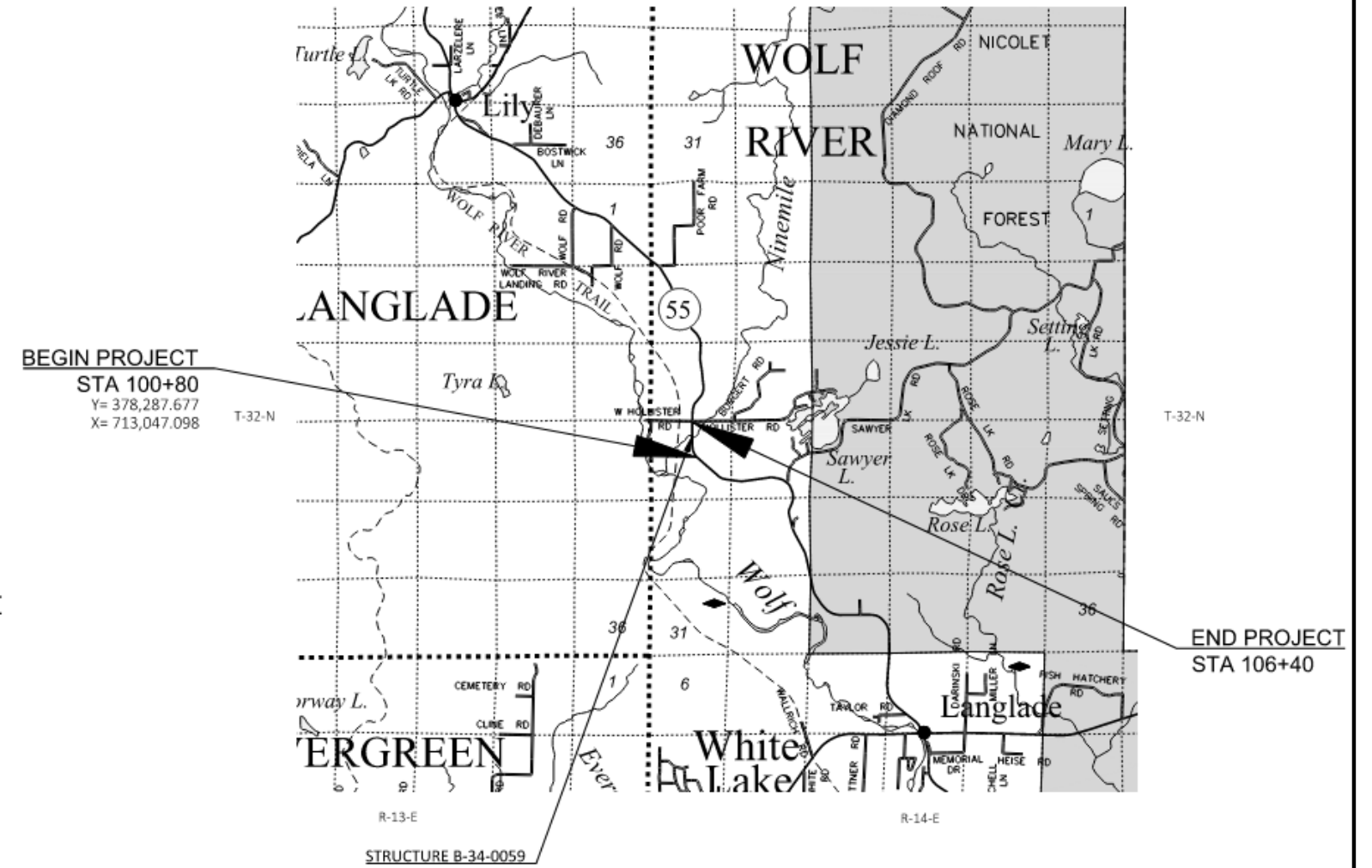
SITE	SOURCE WISDOT PROJECT ID	COUNTY	HIGHWAY
1	9130-03-72	FOREST	STH 32
2	9155-05-71	LANGLADE	STH 55
3	1058-23-72	SHAWANO	STH 29
4	4150-26-71	DOOR	STH 57
5	4150-14-71	DOOR	STH 57
6	1210-18-71	BROWN	STH 172
7	6230-20-71	OUTAGAMIE	STH 54
8	6430-20-71	OUTAGAMIE	STH 76
9	1130-44-71	OUTAGAMIE	IH 41
10	6540-11-71	WINNEBAGO	STH 91
11	1225-10-72	MANITOWOC	IH 43



SITE 1 FOREST COUNTYSTH 32

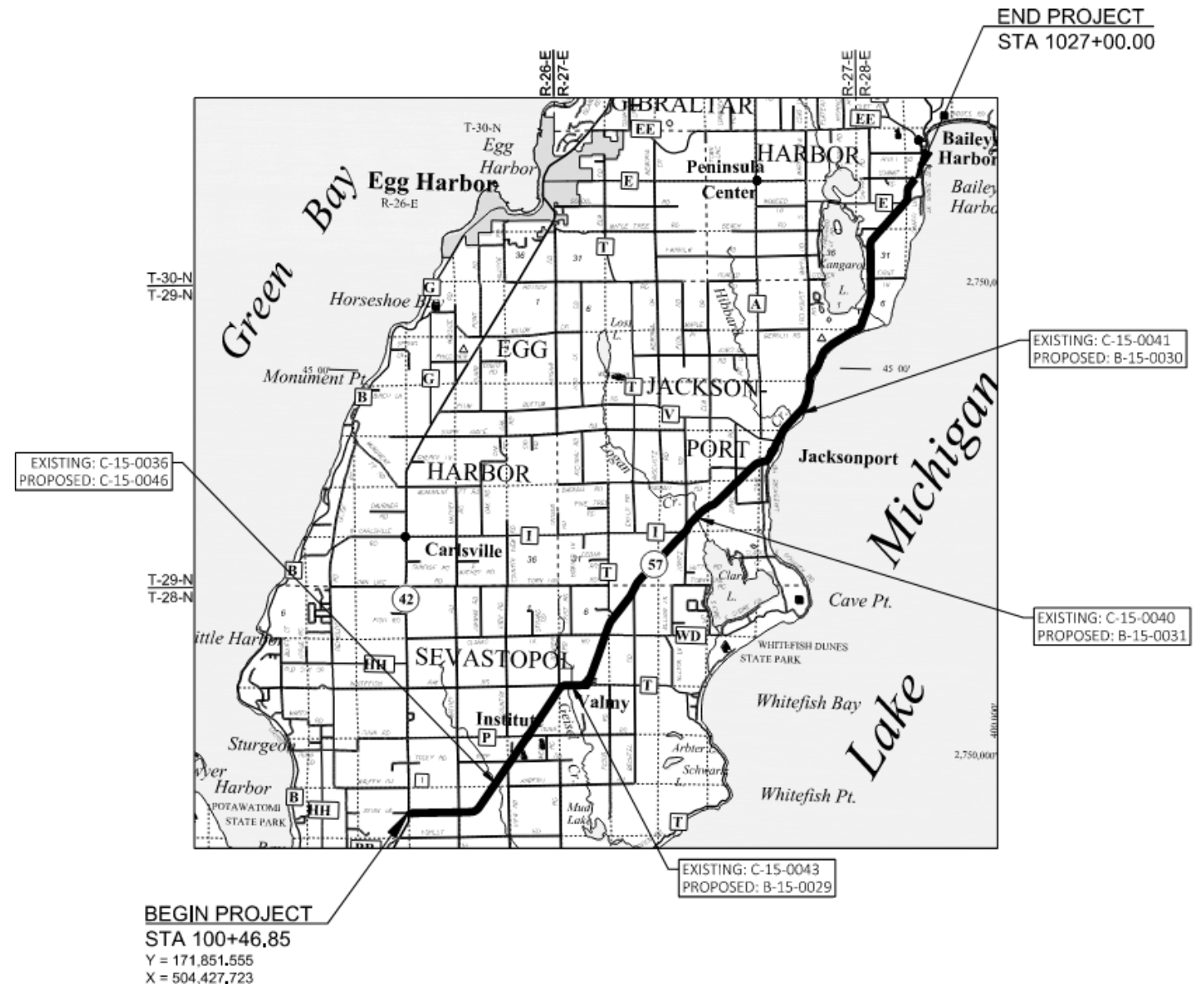
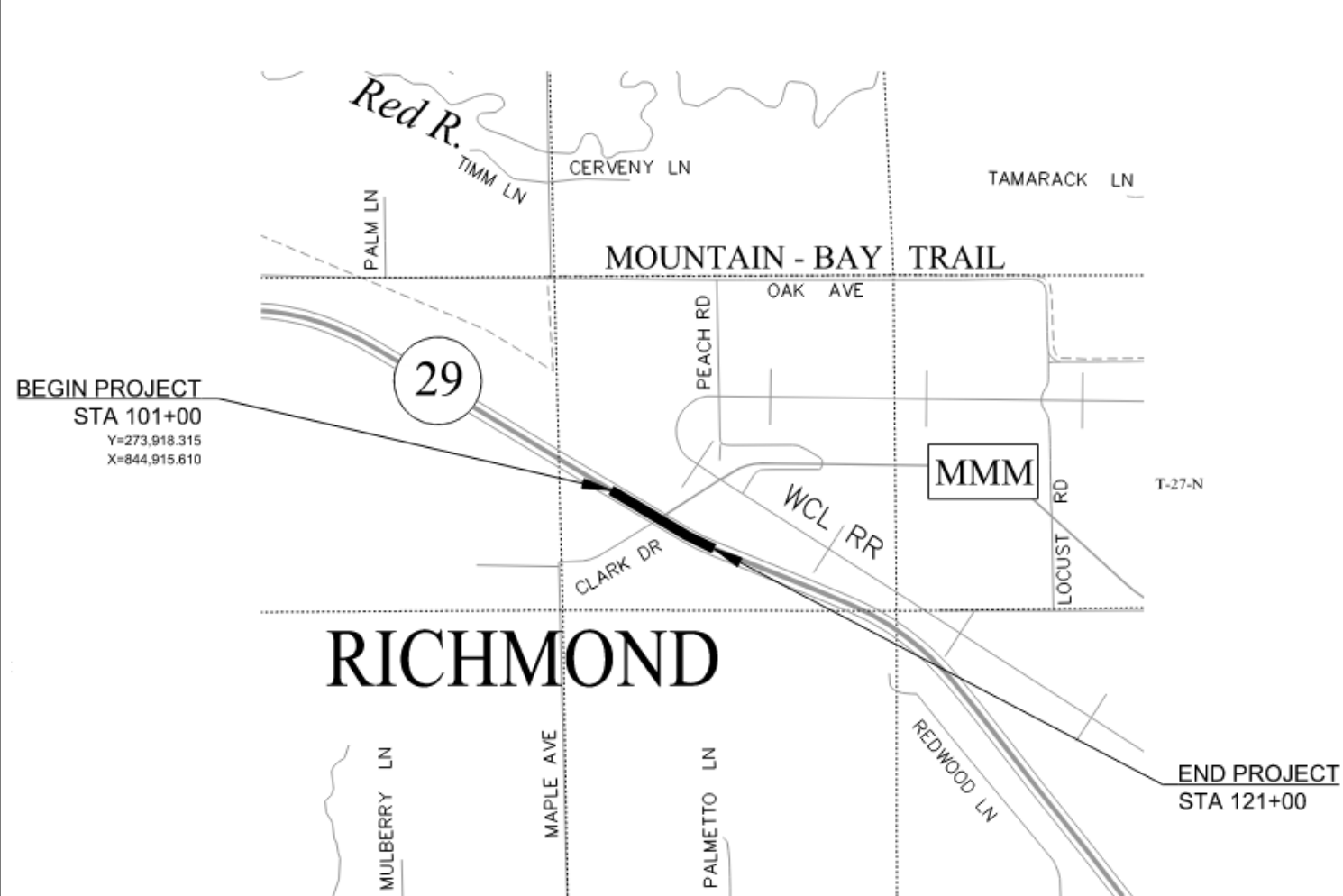


SITE 2 LANGLADE COUNTYSTH 55

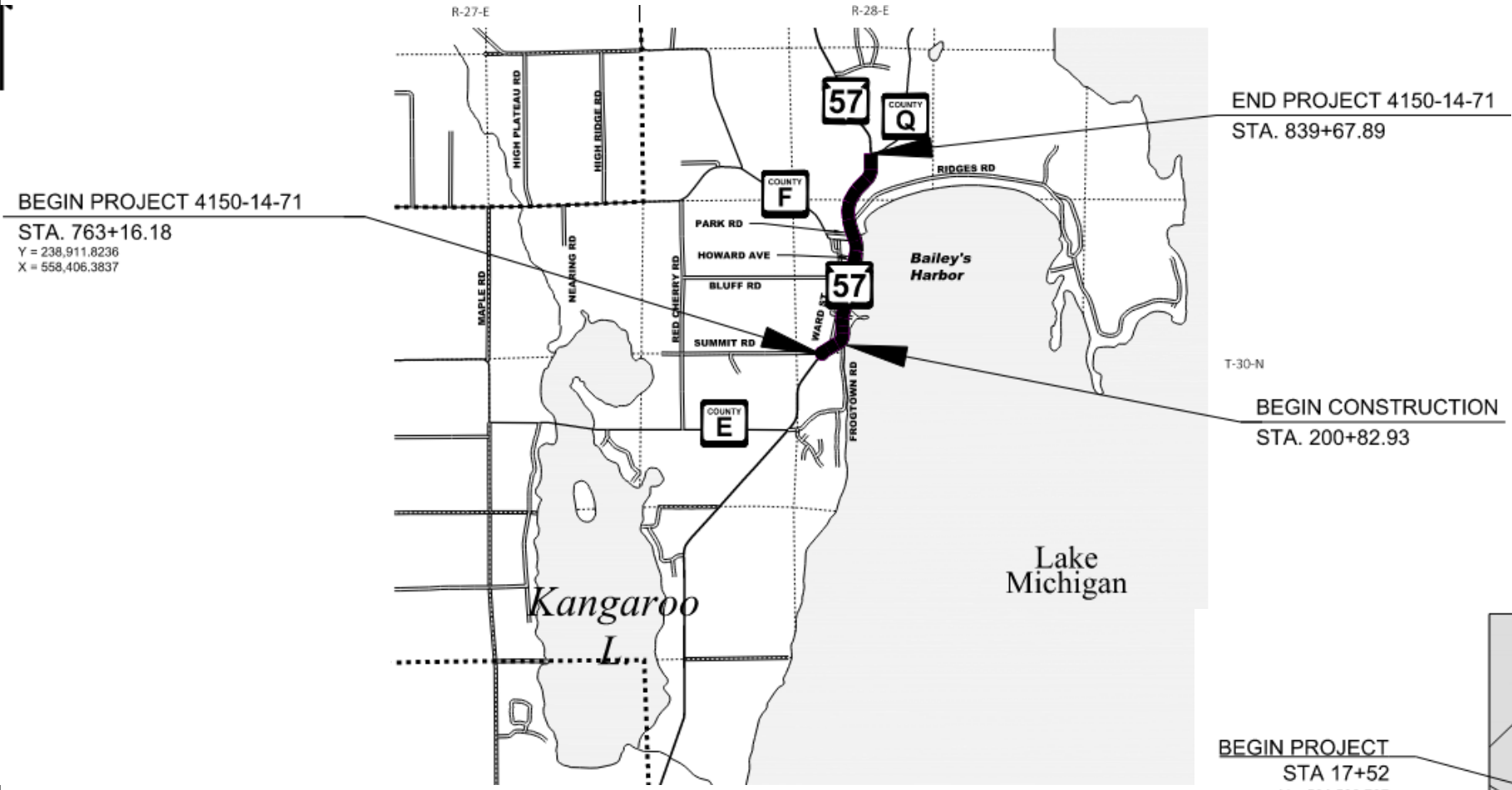


SITE 3 SHAWANO
COUNTY STH 29

SITE 4 DOOR
COUNTY STH 57



PROJECT NO: 1009-37-01	HWY: VARIES	COUNTY: REGION WIDE	PROJECT OVERVIEWS	SHEET	E
------------------------	-------------	---------------------	-------------------	-------	---

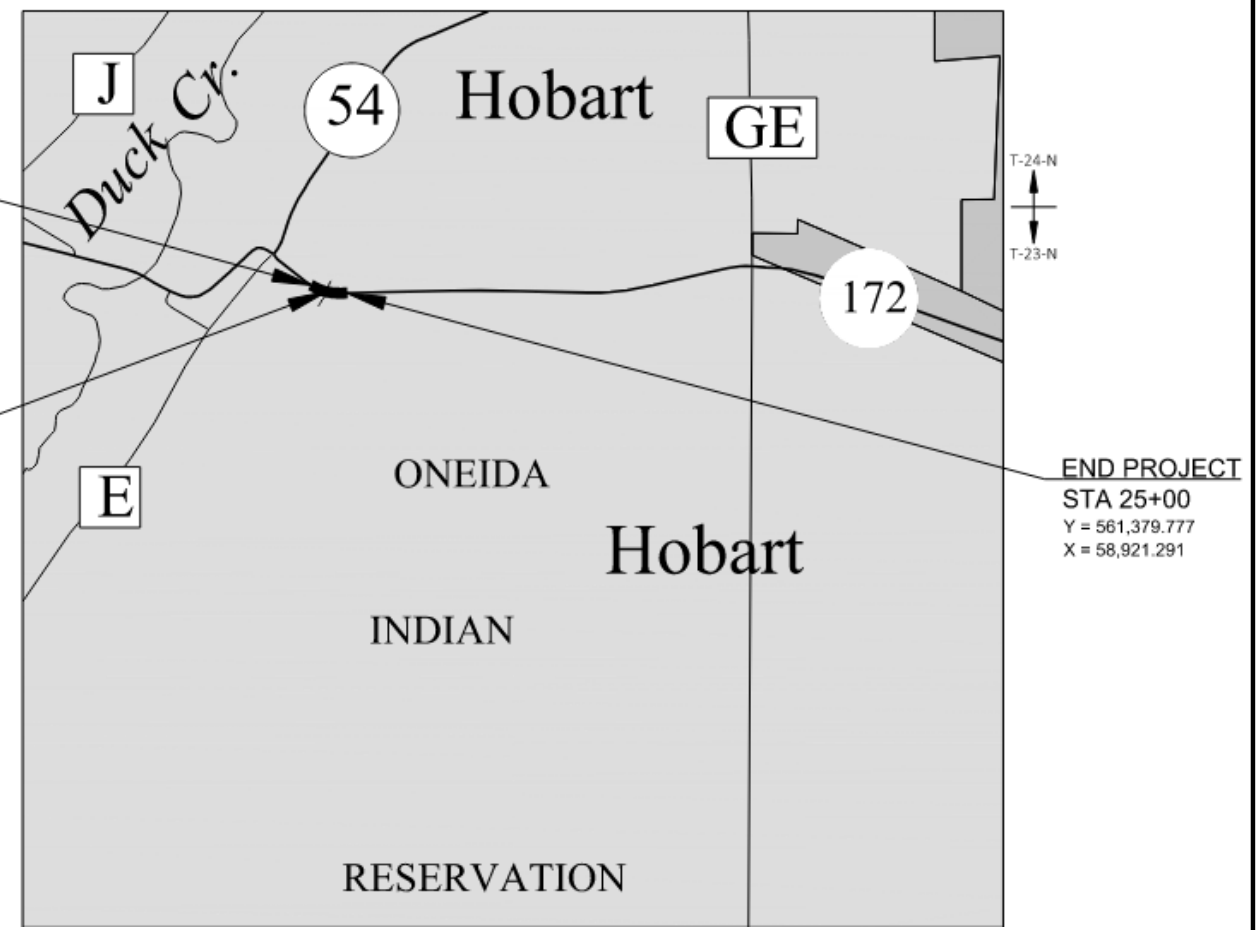


SITE 5DOOR
COUNTYSTH 57

SITE 6BROWN
COUNTYSTH 172

BEGIN PROJECT
STA 17+52
Y = 561,502.727
X = 58,195.580

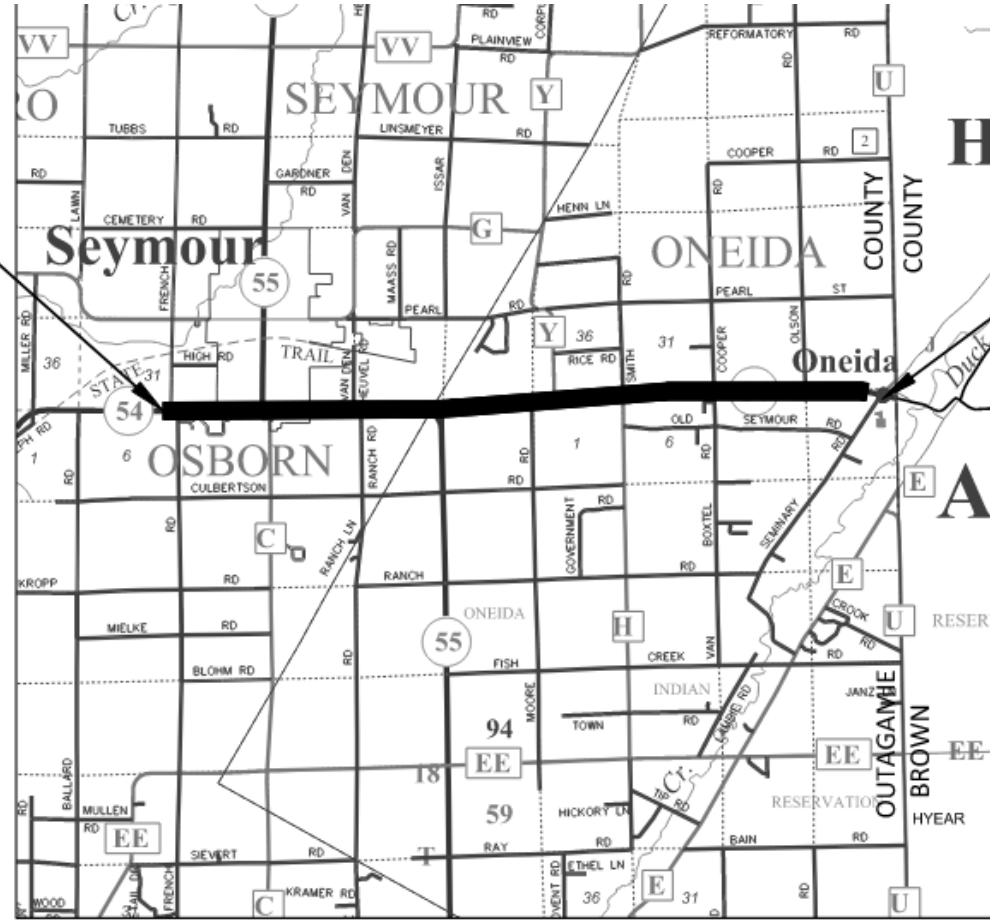
STRUCTURE C-05-156



END PROJECT
STA 25+00
Y = 561,379.777
X = 58,921.291

SITE 7 OUTAGAMIE COUNTY STH 54

BEGIN PROJECT
STA. 1133+00
Y = 649428.834
X = 841560.994



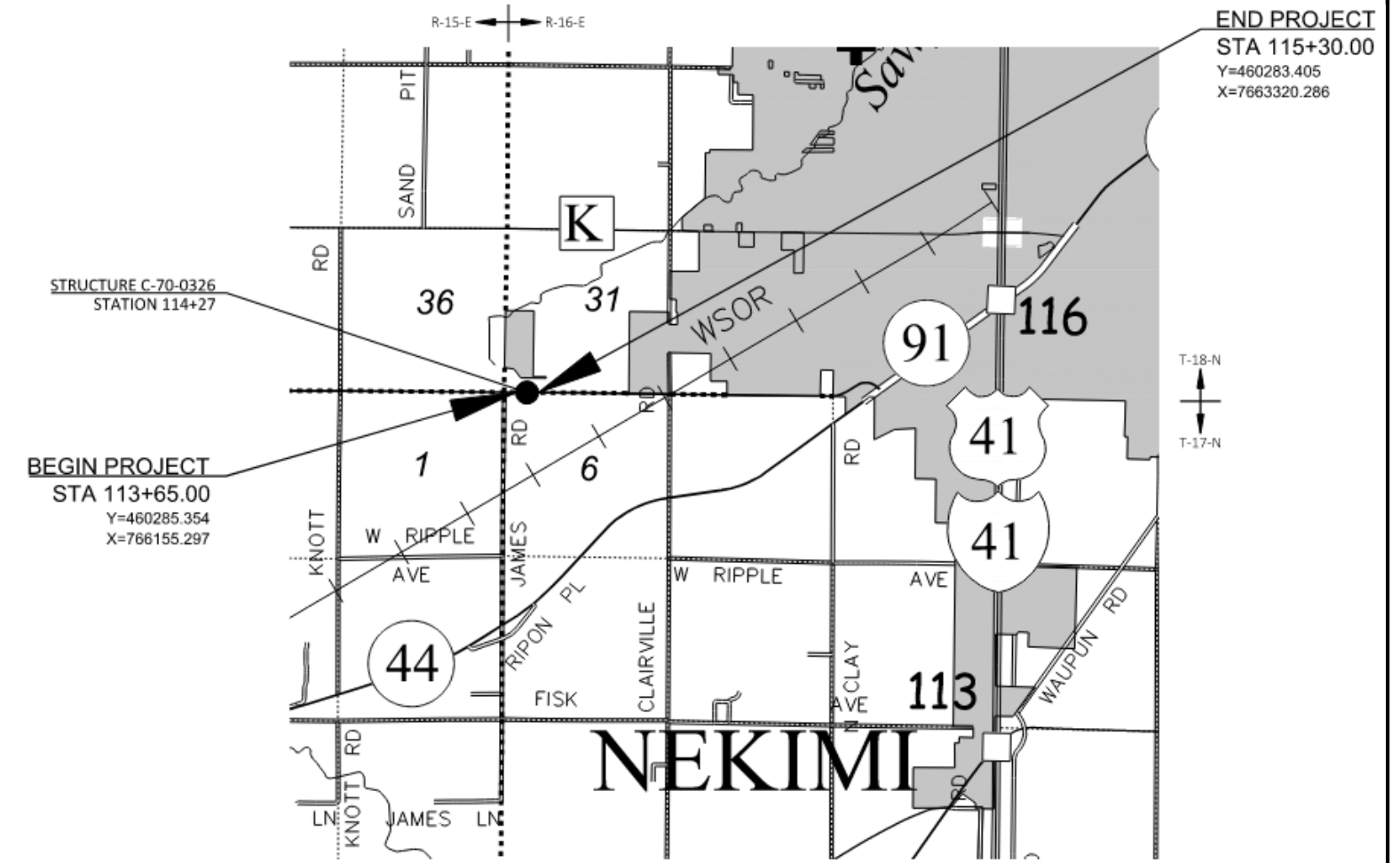
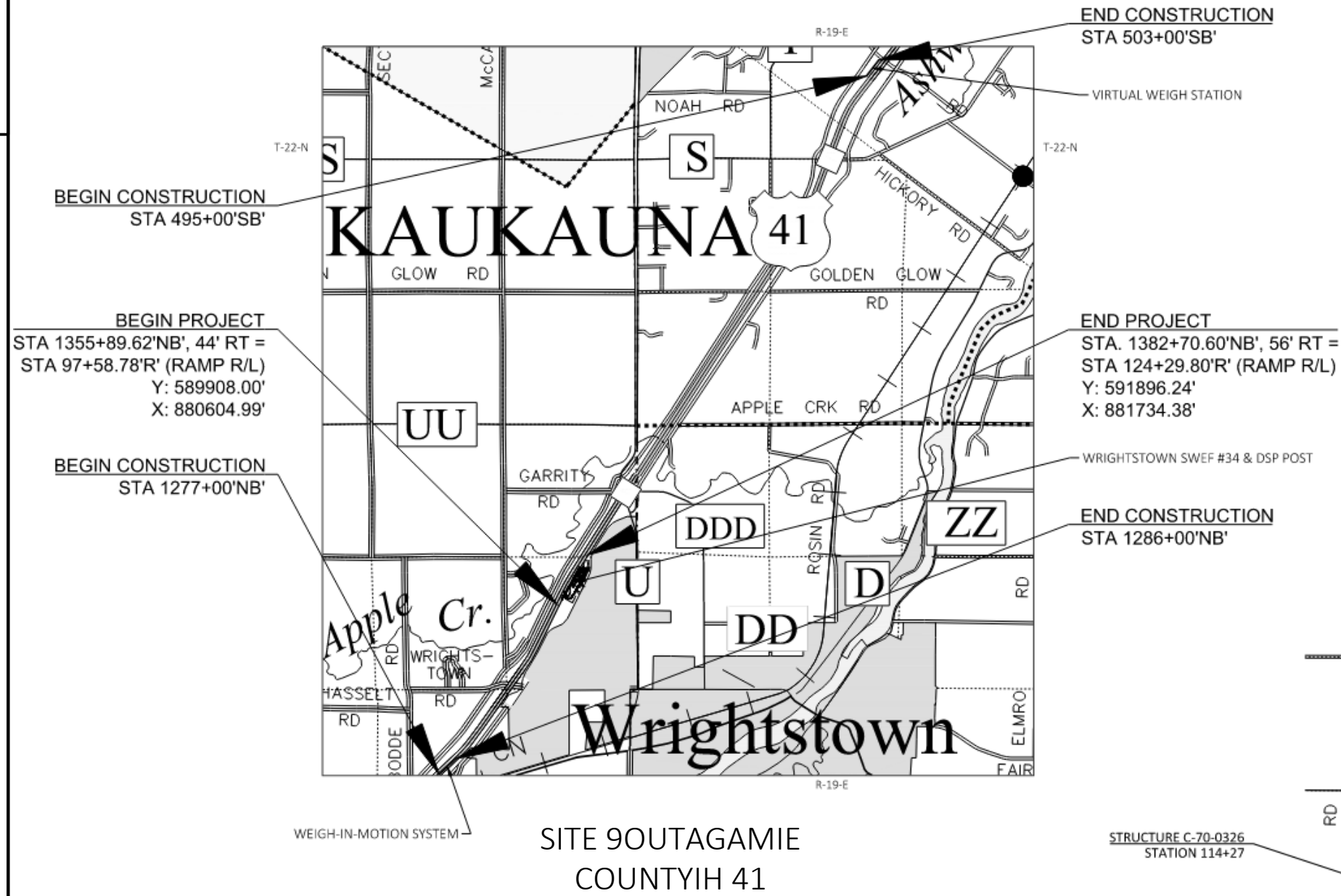
END PROJECT
STA. 1537+54
Y = 649813.576
X = 881979.730

SITE 8 OUTAGAMIE COUNTY STH 76

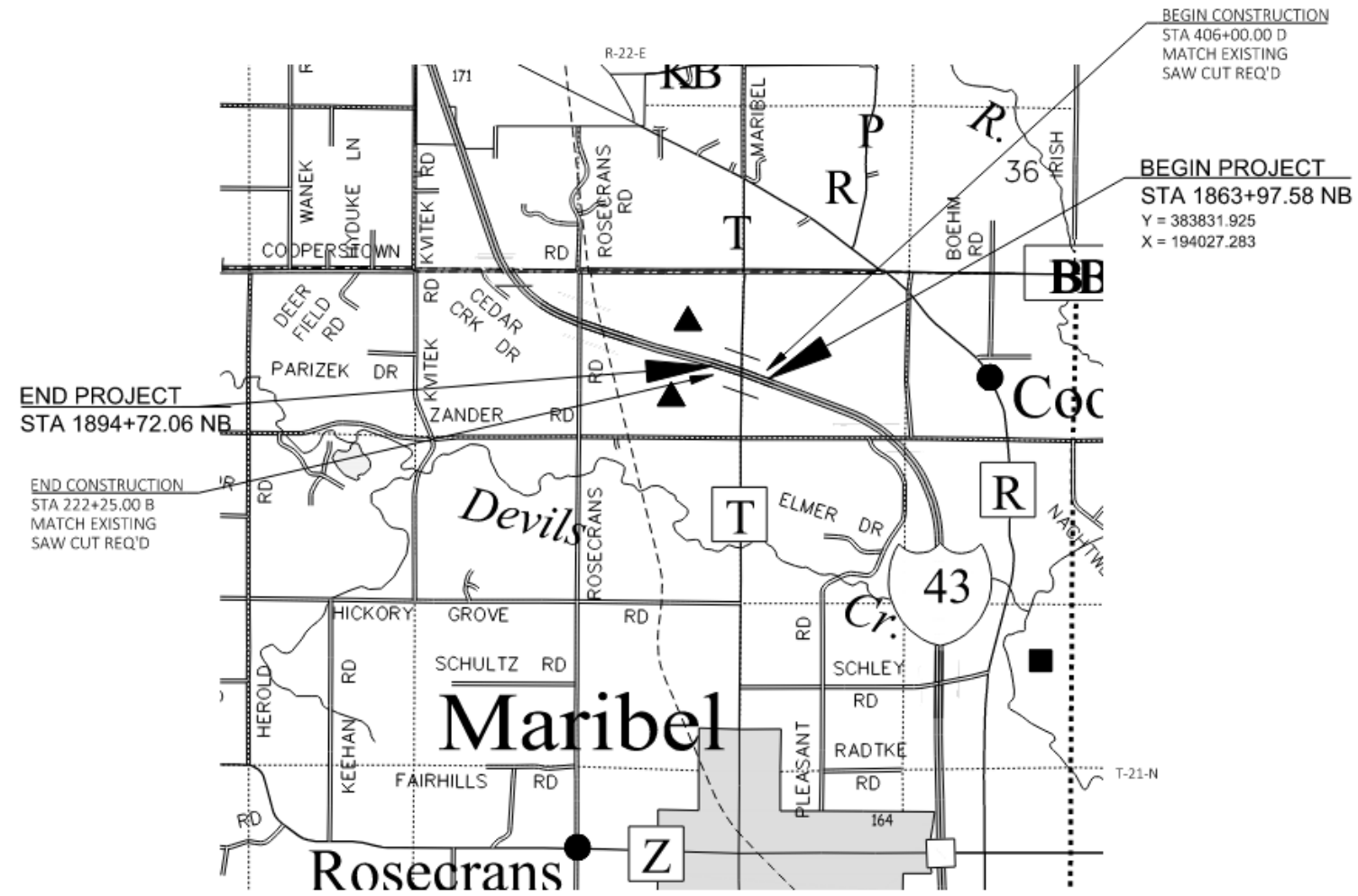


END PROJECT 6430-20-71
STA 123'NB'+92.82

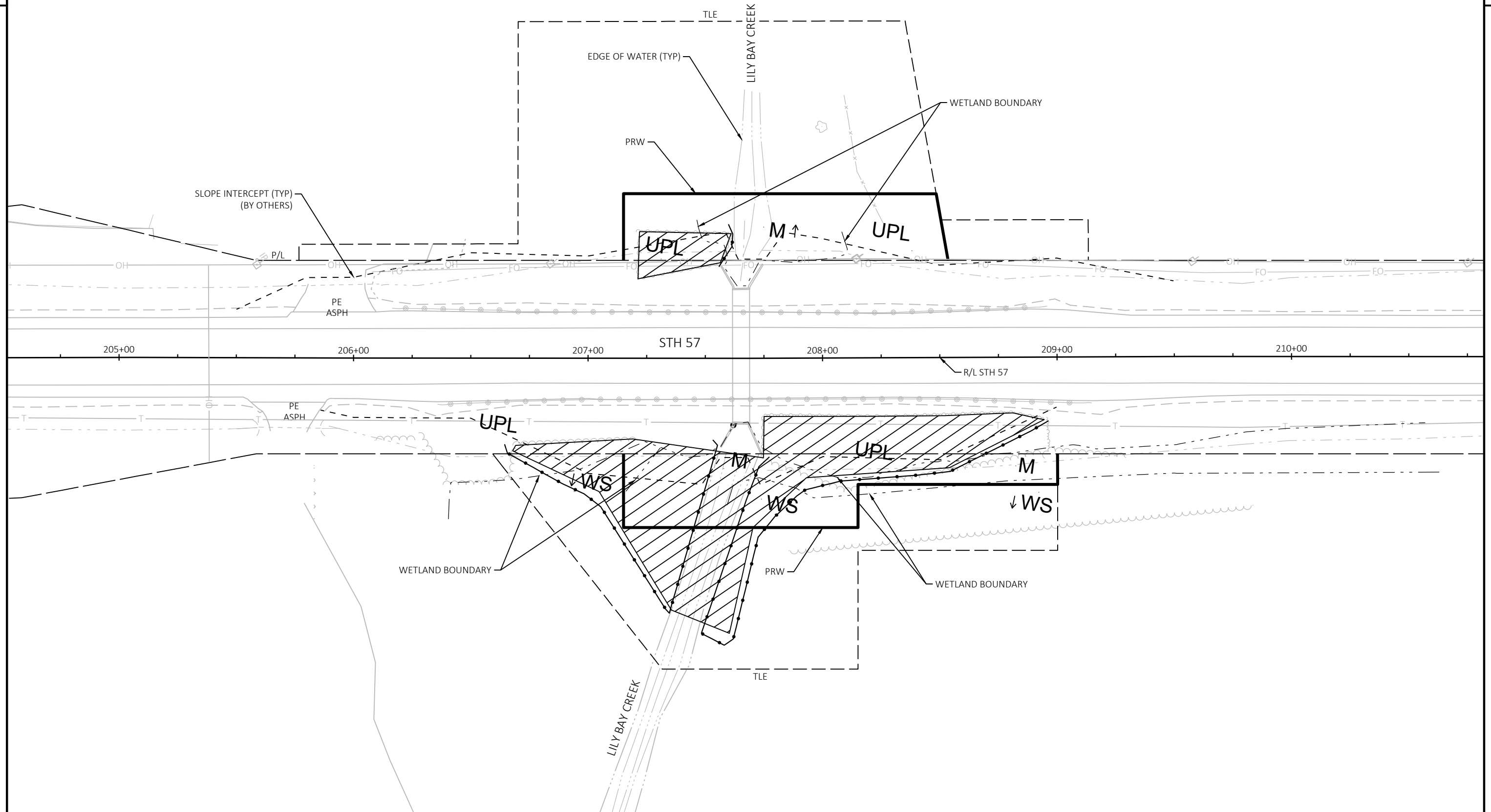
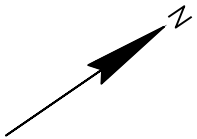
BEGIN PROJECT 6430-20-71
STA 104'NB'+31.01
N = 570624.875
E = 793318.080



SITE 11 MANITOWOC COUNTY IH 43



▨ TREE CLEARING BOUNDARY



PROJECT NO: 1009-37-01

HWY: STH 57

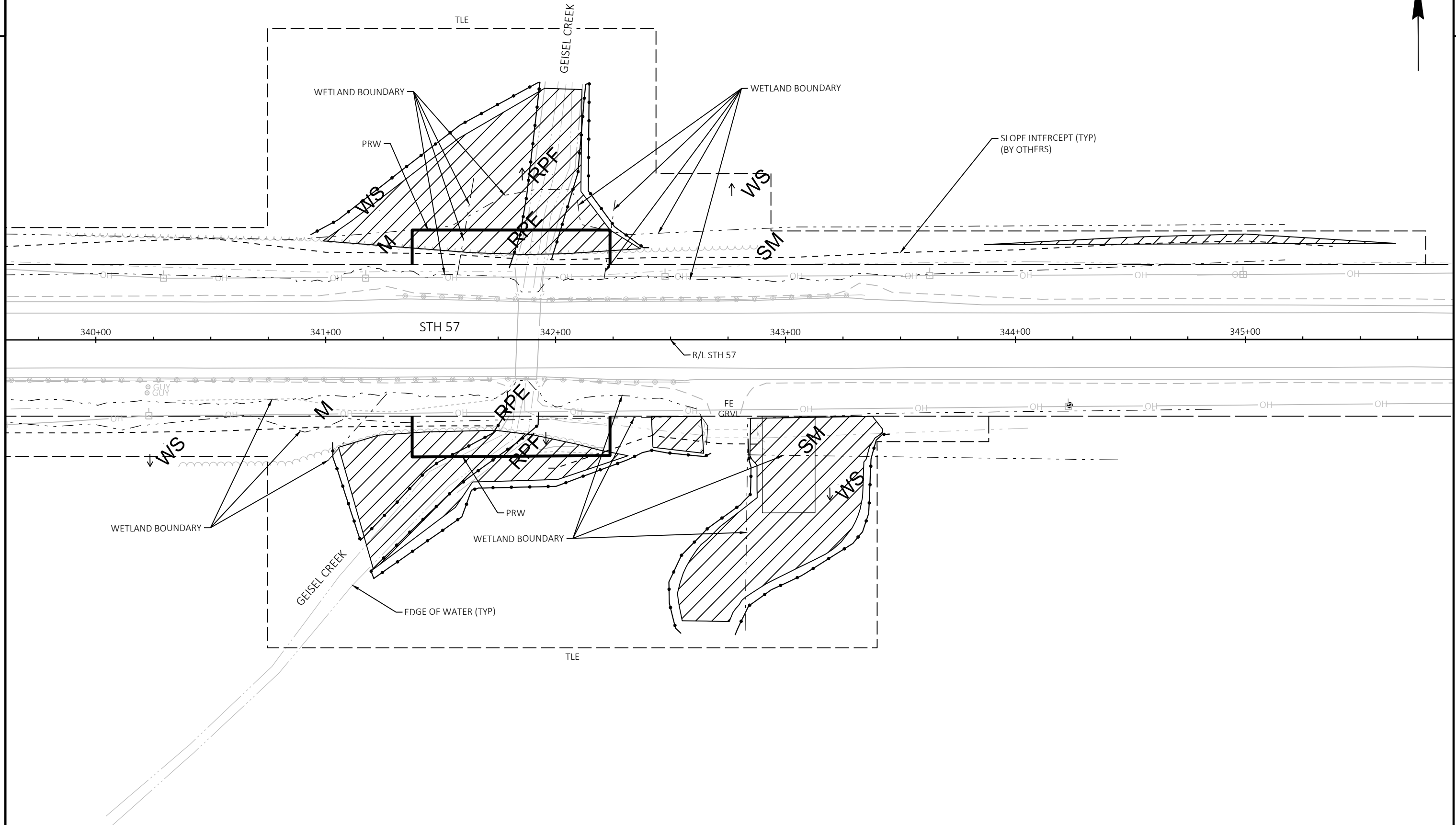
COUNTY: DOOR

TREE CLEARING - LILY BAY CREEK -- SITE 4

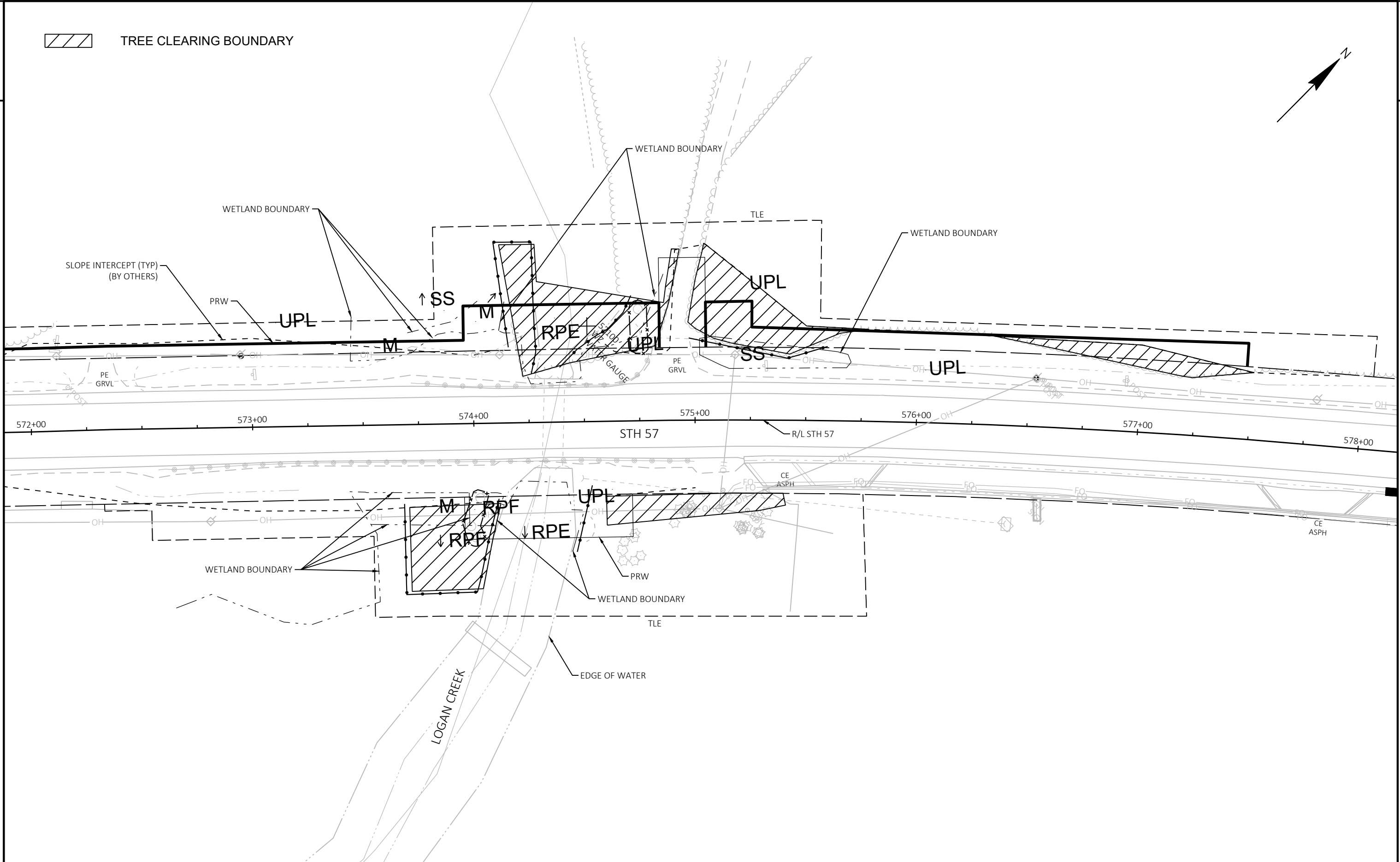
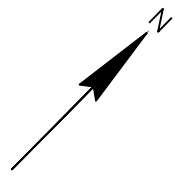
SHEET

E

TREE CLEARING BOUNDARY

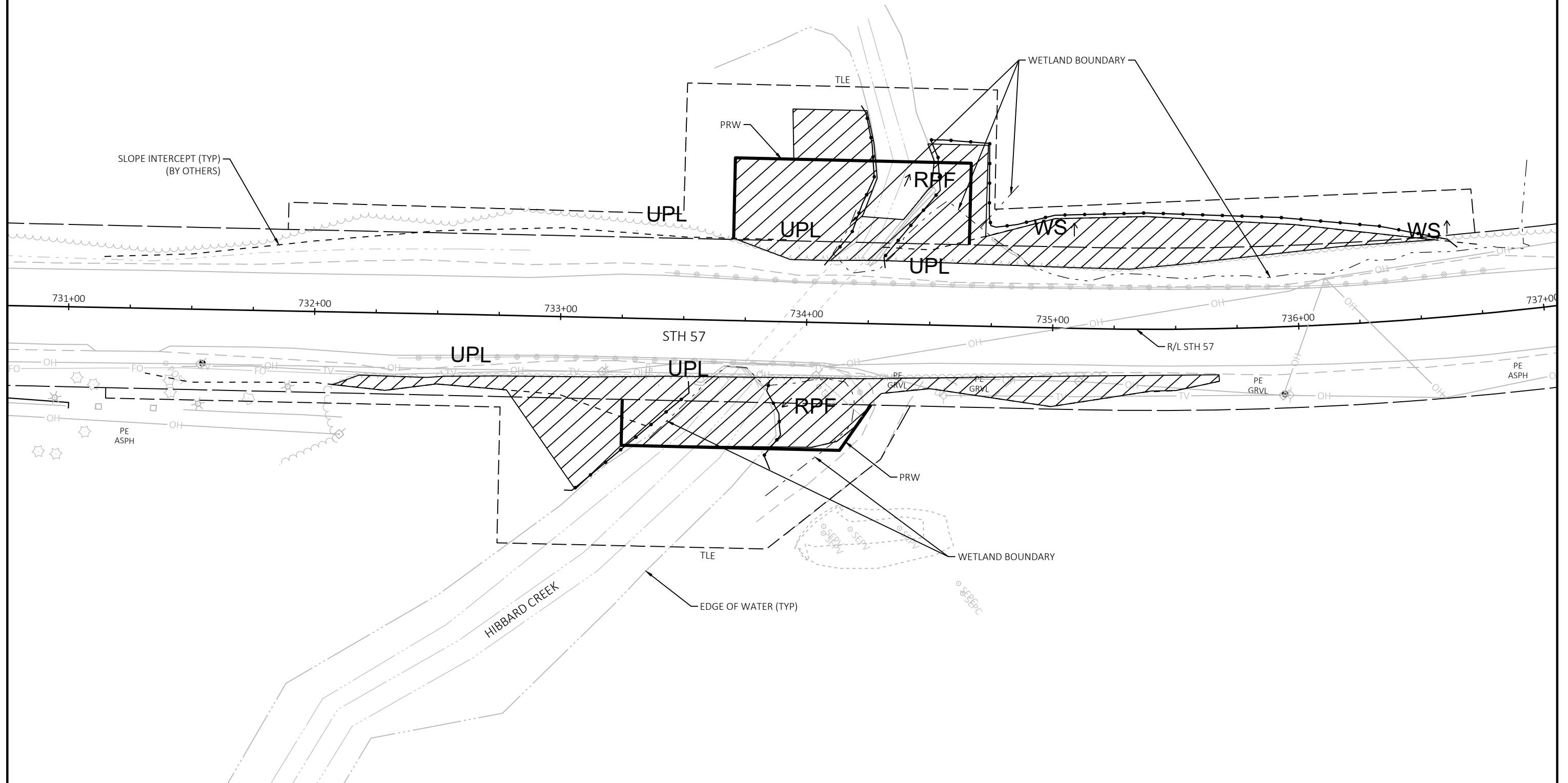
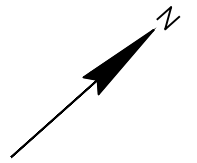


▨ TREE CLEARING BOUNDARY



PROJECT NO: 1009-37-01	HWY: STH 57	COUNTY: DOOR	TREE CLEARING - LOGAN CREEK -- SITE 4	SHEET E
------------------------	-------------	--------------	---------------------------------------	---------

TREE CLEARING BOUNDARY



PROJECT NO: 1009-37-01

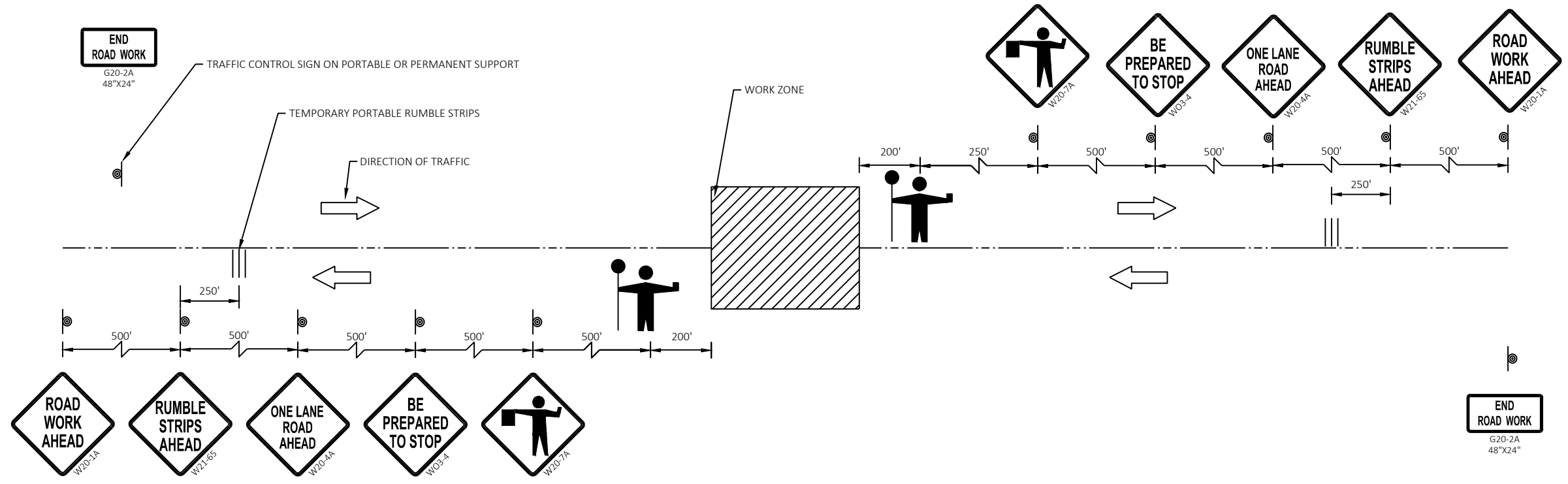
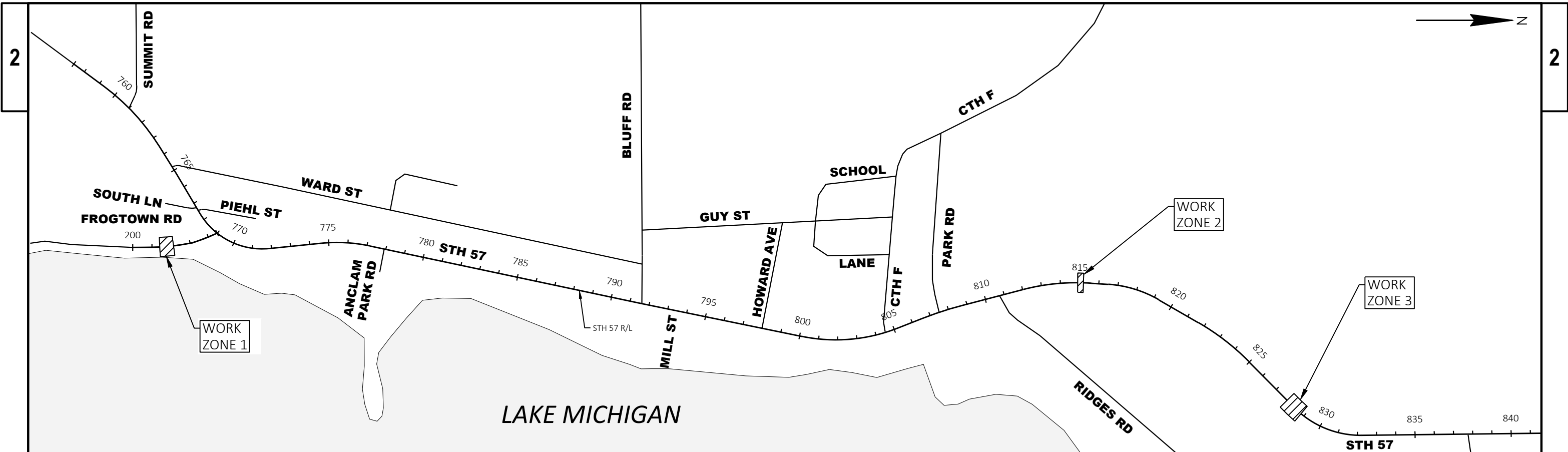
HWY: STH 57

COUNTY: DOOR

TREE CLEARING - HIBBARD CREEK -- SITE 4

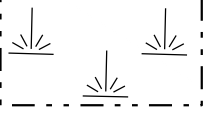

SHEET

E



FLAGGING DETAIL FOR WORK ZONES

LEGEND


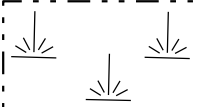
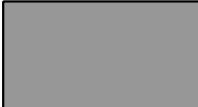
-  WETLANDS
-  TREE CLEARING AREA



PROJECT NO: 1009-37-01	HWY: STH 57	COUNTY: DOOR	PLAN - WORK ZONE 1 -- SITE 5	SHEET	E
------------------------	-------------	--------------	------------------------------	-------	----------



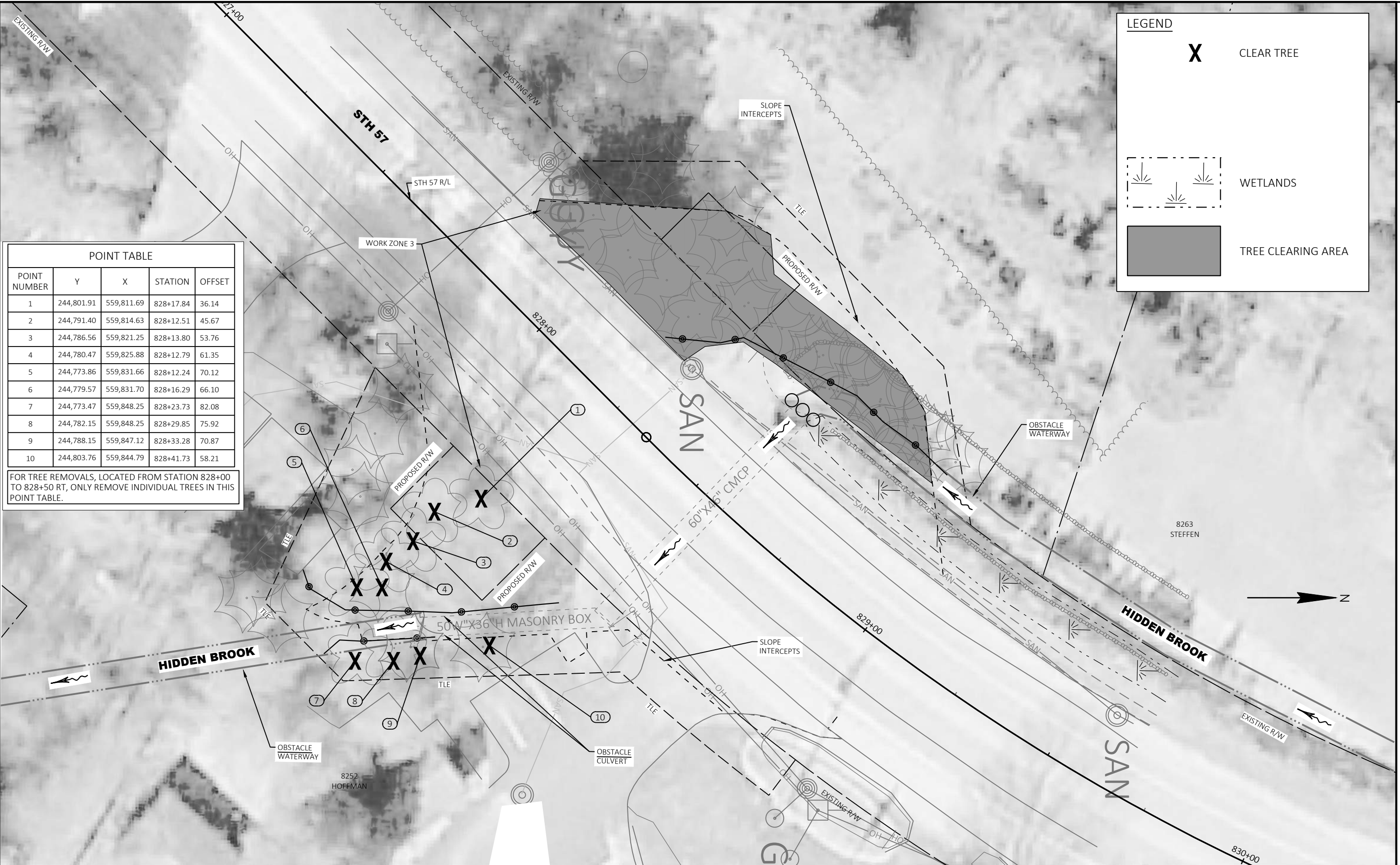
LEGEND

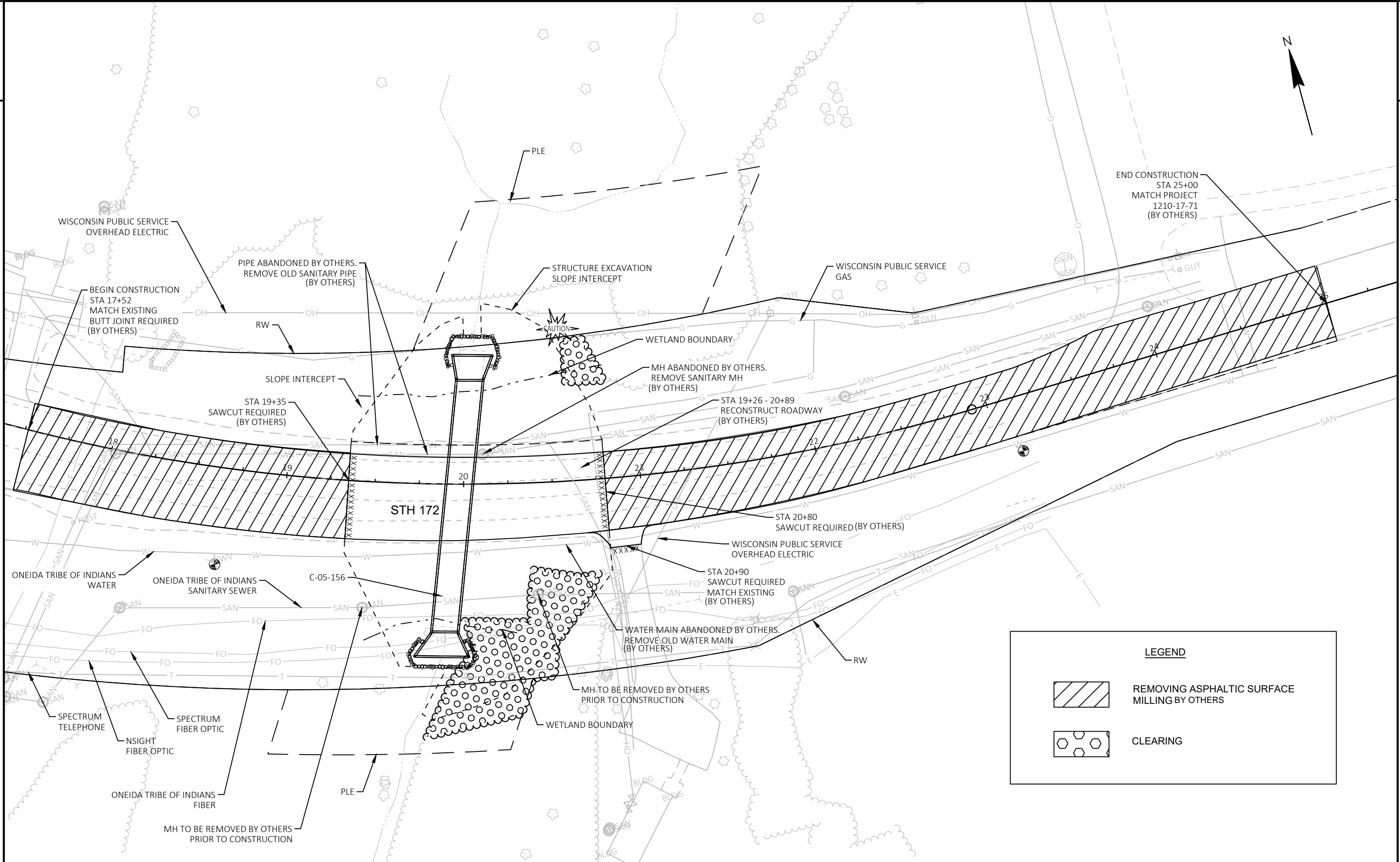
-  CLEAR TREE
-  WETLANDS
-  TREE CLEARING AREA

POINT TABLE


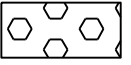
POINT NUMBER	Y	X	STATION	OFFSET
1	244,801.91	559,811.69	828+17.84	36.14
2	244,791.40	559,814.63	828+12.51	45.67
3	244,786.56	559,821.25	828+13.80	53.76
4	244,780.47	559,825.88	828+12.79	61.35
5	244,773.86	559,831.66	828+12.24	70.12
6	244,779.57	559,831.70	828+16.29	66.10
7	244,773.47	559,848.25	828+23.73	82.08
8	244,782.15	559,848.25	828+29.85	75.92
9	244,788.15	559,847.12	828+33.28	70.87
10	244,803.76	559,844.79	828+41.73	58.21

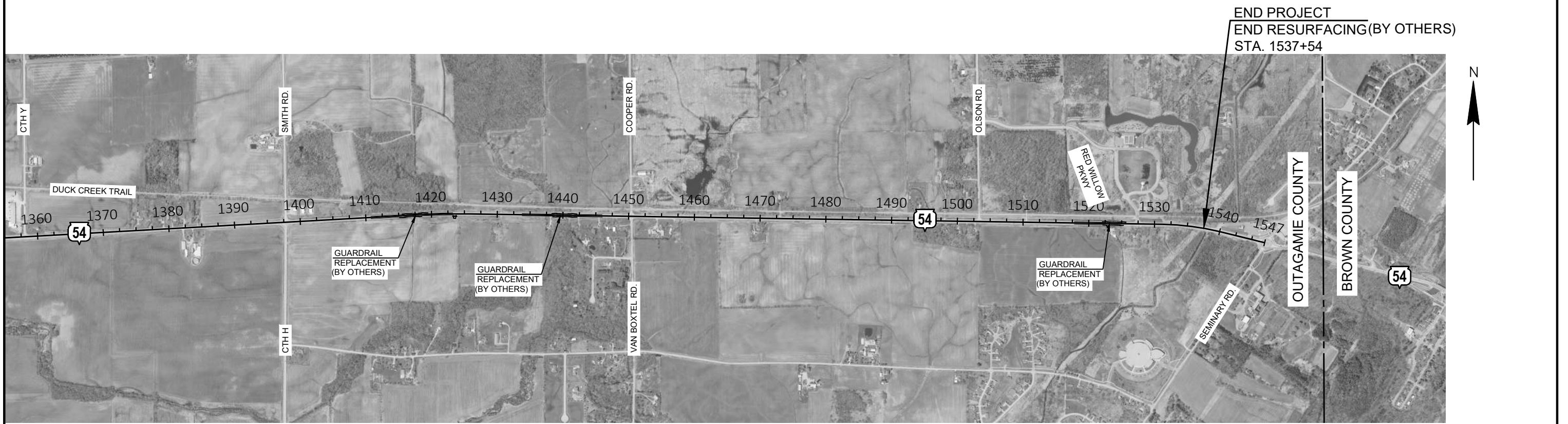
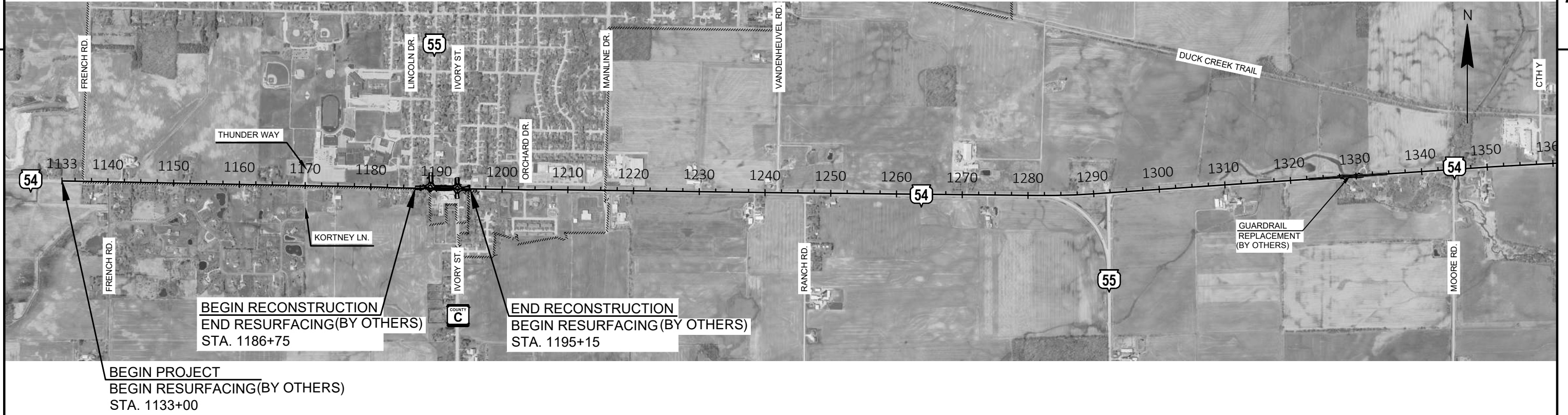
FOR TREE REMOVALS, LOCATED FROM STATION 828+00 TO 828+50 RT, ONLY REMOVE INDIVIDUAL TREES IN THIS POINT TABLE.





LEGEND

-  REMOVING ASPHALTIC SURFACE MILLING BY OTHERS
-  CLEARING

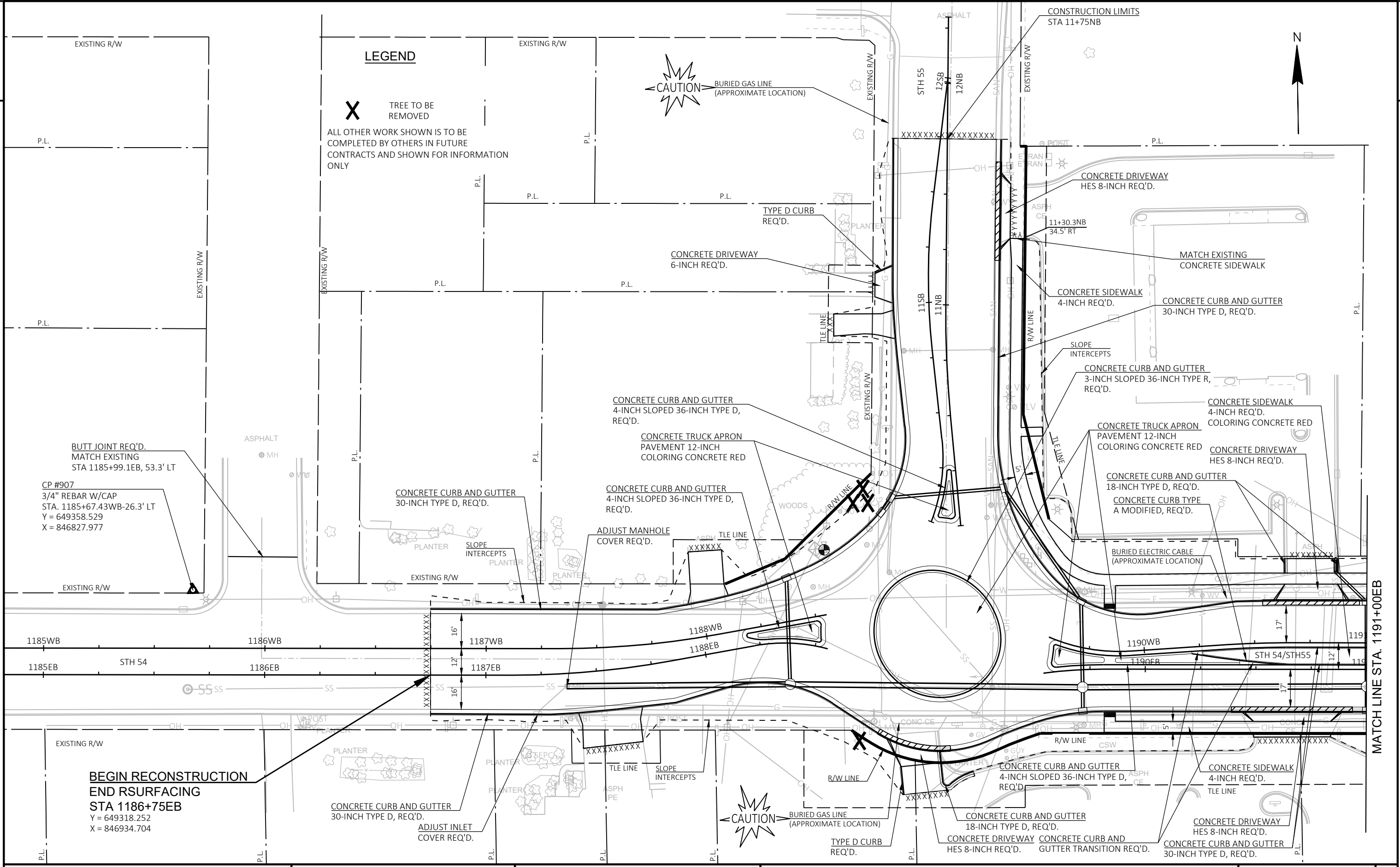
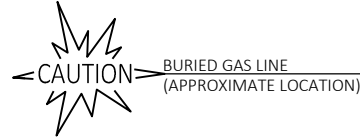


PROJECT NO: 1009-37-01	HWY: STH 54	COUNTY: OUTAGAMIE	PROJECT OVERVIEW -- SITE 7	SHEET	E
------------------------	-------------	-------------------	----------------------------	-------	----------

LEGEND

X TREE TO BE REMOVED

ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY



BUTT JOINT REQ'D.
MATCH EXISTING
STA 1185+99.1EB, 53.3' LT

CP #907
3/4" REBAR W/CAP
STA. 1185+67.43WB-26.3' LT
Y = 649358.529
X = 846827.977

CONCRETE CURB AND GUTTER
30-INCH TYPE D, REQ'D.

CONCRETE CURB AND GUTTER
4-INCH SLOPED 36-INCH TYPE D,
REQ'D.

CONCRETE TRUCK APRON
PAVEMENT 12-INCH
COLORING CONCRETE RED

CONCRETE CURB AND GUTTER
4-INCH SLOPED 36-INCH TYPE D,
REQ'D.

ADJUST MANHOLE
COVER REQ'D.

CONCRETE TRUCK APRON
PAVEMENT 12-INCH
COLORING CONCRETE RED

CONCRETE CURB AND GUTTER
18-INCH TYPE D, REQ'D.

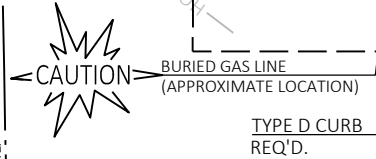
CONCRETE CURB TYPE
A MODIFIED, REQ'D.

BURIED ELECTRIC CABLE
(APPROXIMATE LOCATION)

**BEGIN RECONSTRUCTION
END RSURFACING
STA 1186+75EB**
Y = 649318.252
X = 846934.704

CONCRETE CURB AND GUTTER
30-INCH TYPE D, REQ'D.

ADJUST INLET
COVER REQ'D.



CONCRETE CURB AND GUTTER
4-INCH SLOPED 36-INCH TYPE D,
REQ'D.

CONCRETE CURB AND GUTTER
18-INCH TYPE D, REQ'D.

CONCRETE DRIVEWAY
HES 8-INCH REQ'D.

CONCRETE CURB AND
GUTTER TRANSITION REQ'D.

CONCRETE SIDEWALK
4-INCH REQ'D.

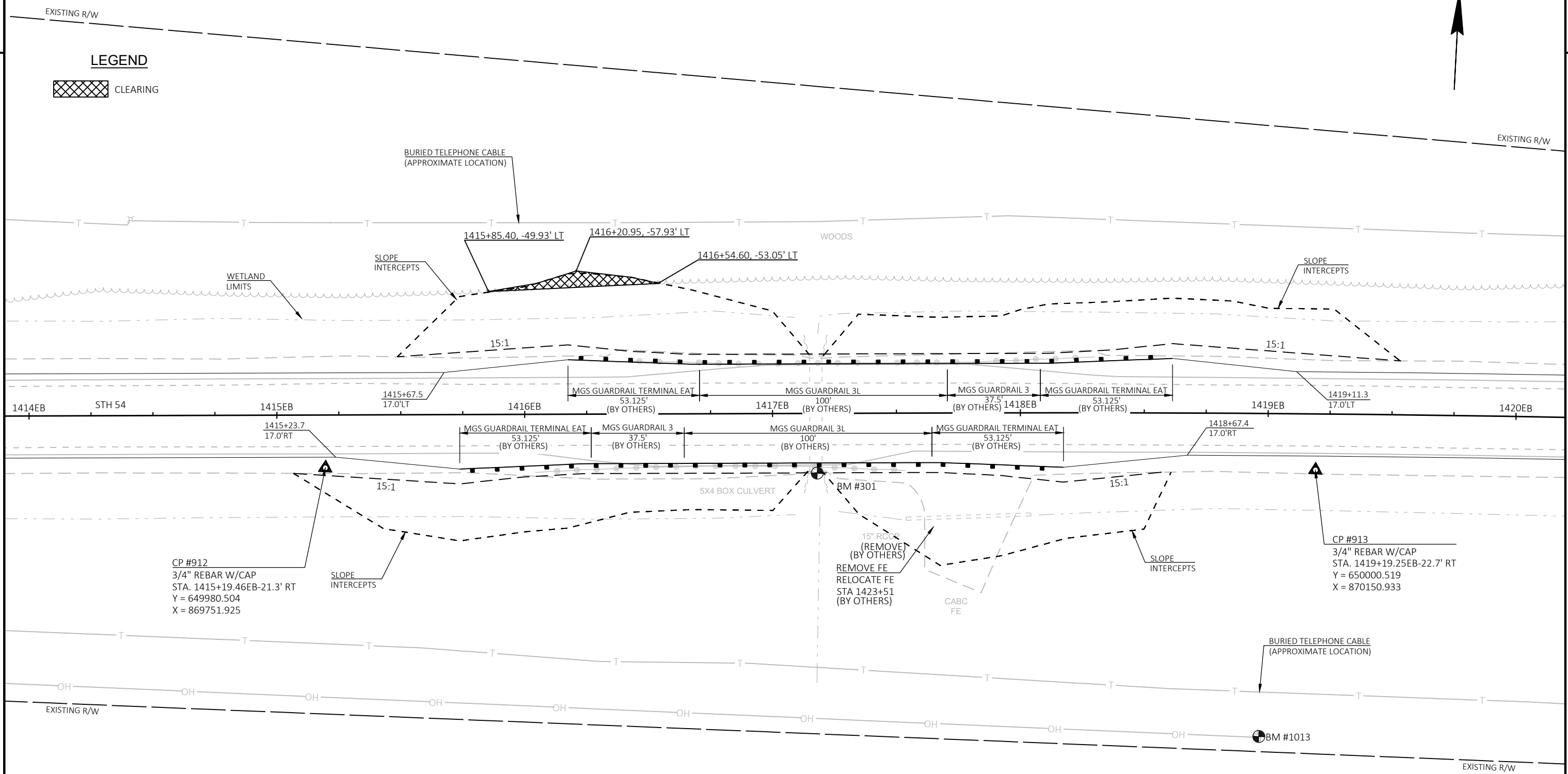
CONCRETE DRIVEWAY
HES 8-INCH REQ'D.

CONCRETE CURB AND GUTTER
30-INCH TYPE D, REQ'D.



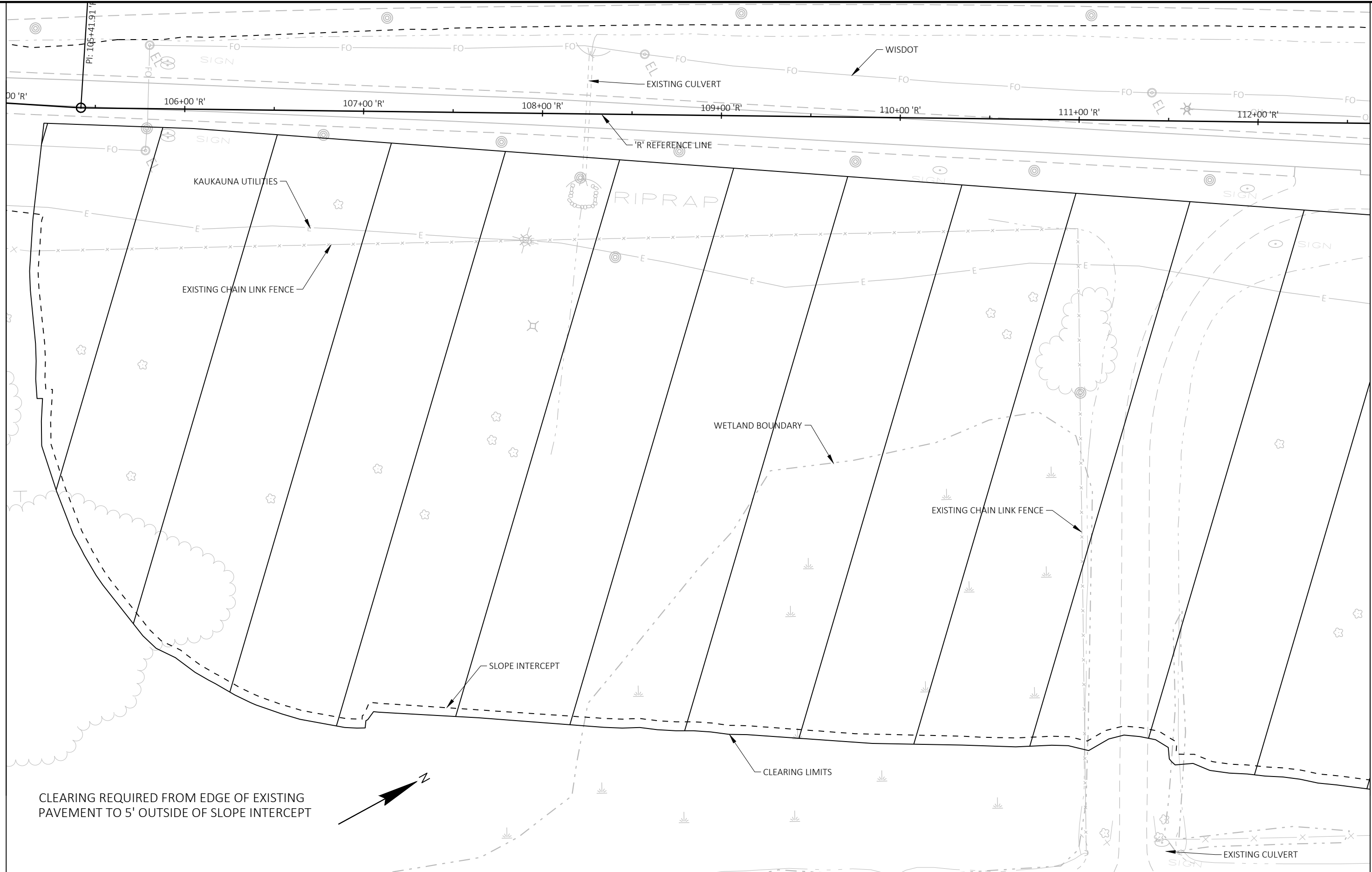
LEGEND

 CLEARING

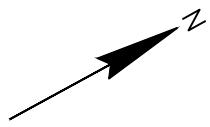


BENCH MARKS

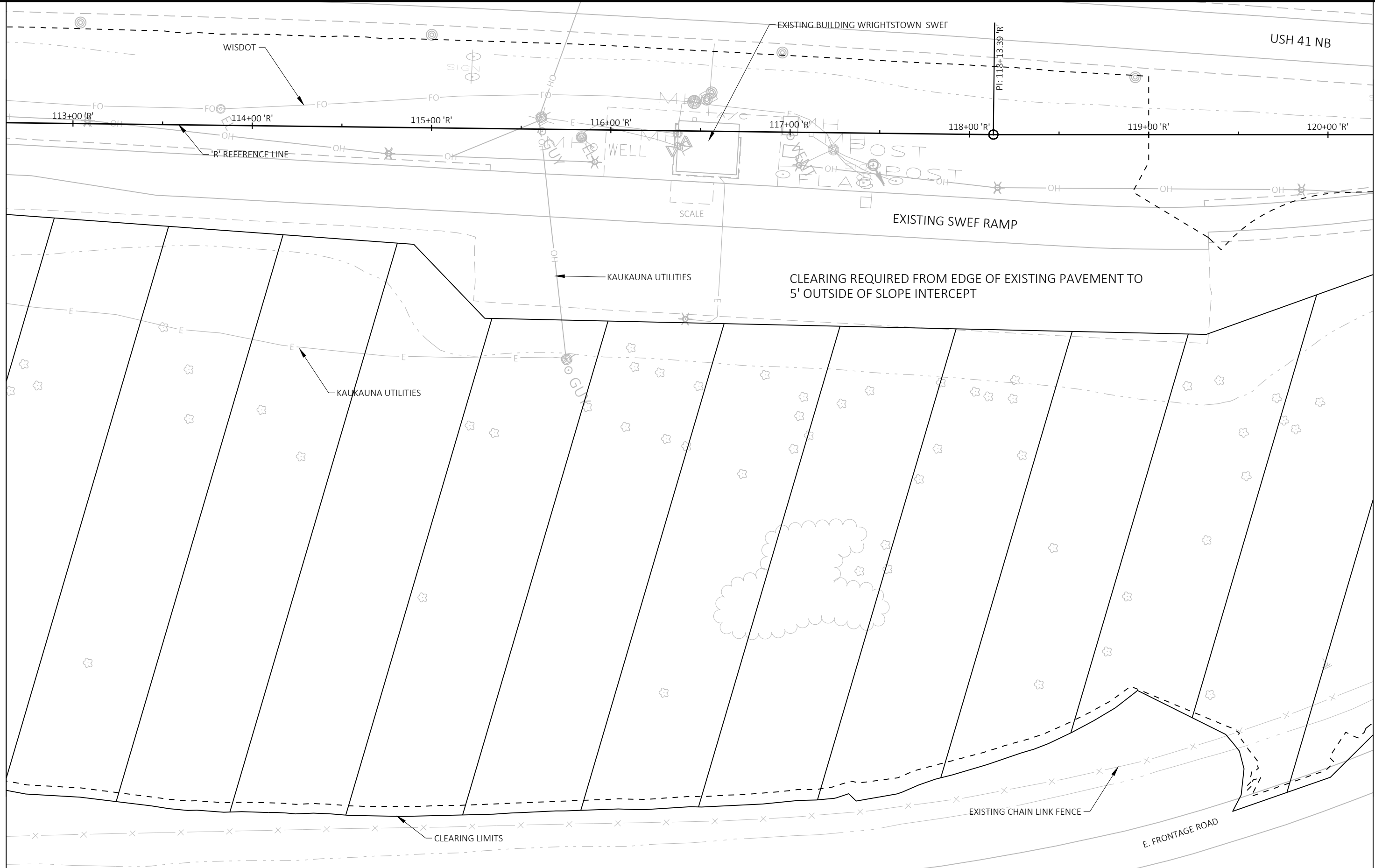
NO.	STATION	DESCRIPTION	ELEV.
301	1417+18EB	CHISELED BOX ON BOX CULVERT - 24' RT	754.61
1013	1418+97EB	NAIL IN PPOL#68-6331 - 130' RT	754.07



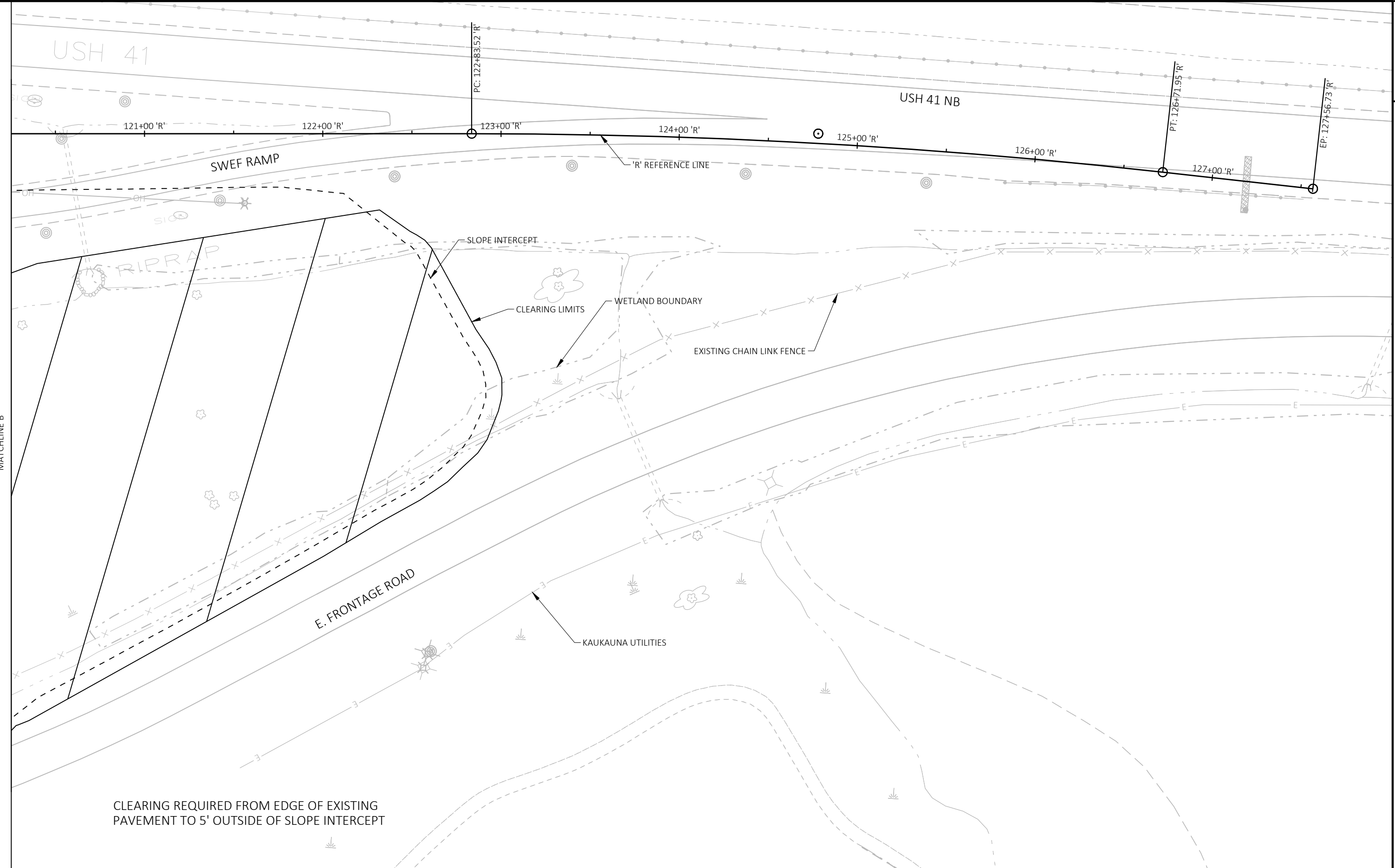
CLEARING REQUIRED FROM EDGE OF EXISTING PAVEMENT TO 5' OUTSIDE OF SLOPE INTERCEPT



PROJECT NO: 1009-37-01	HWY: IH 41	COUNTY: OUTAGAMIE	CLEARING PLAN -- SITE 9	SHEET	E
------------------------	------------	-------------------	-------------------------	-------	---



PROJECT NO: 1009-37-01	HWY: IH 41	COUNTY: OUTAGAMIE	CLEARING PLAN -- SITE 9	SHEET	E
------------------------	------------	-------------------	-------------------------	-------	---



PROJECT NO: 1009-37-01

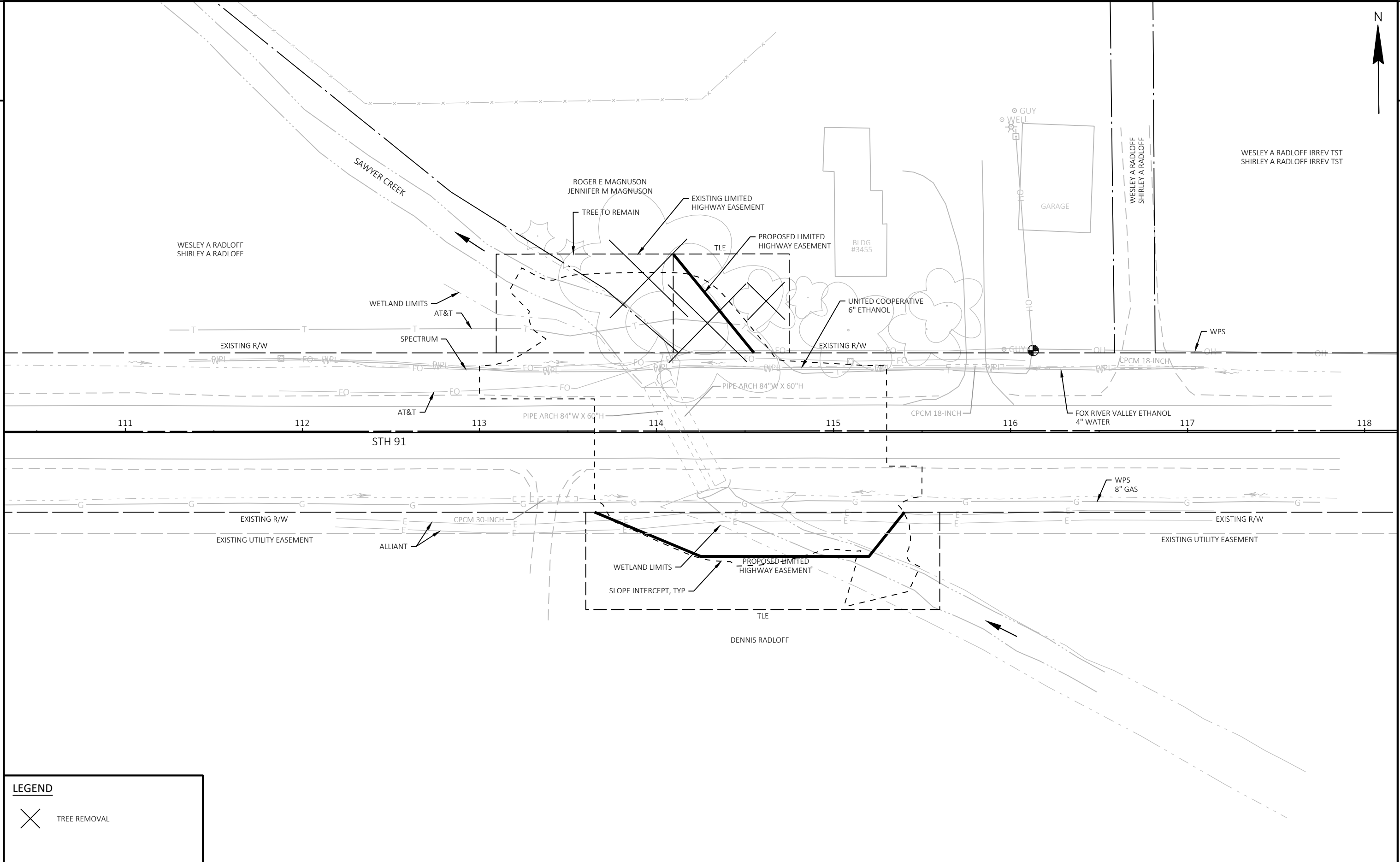
HWY: IH 41

COUNTY: OUTAGAMIE

CLEARING PLAN -- SITE 9

SHEET

E



LEGEND

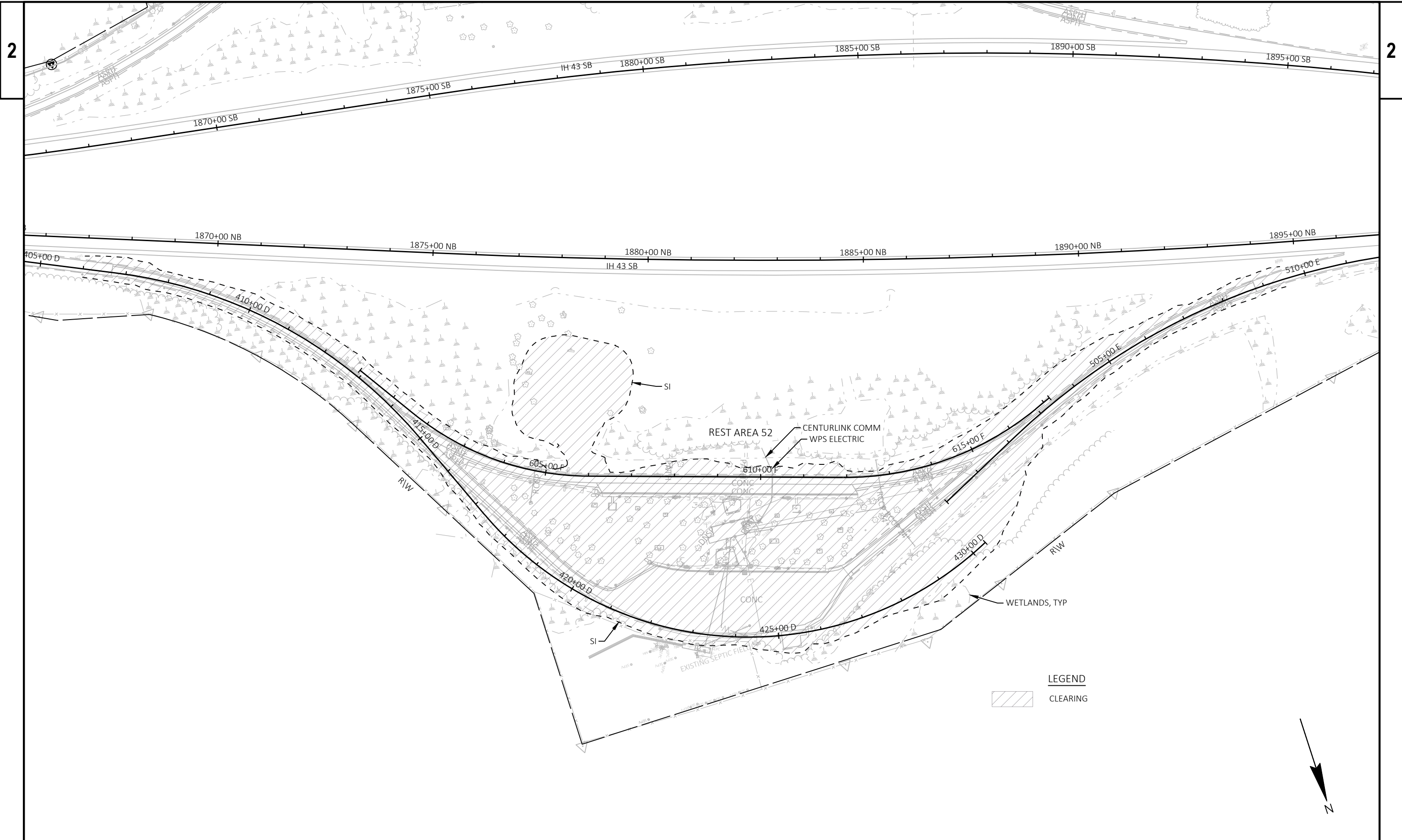
✕ TREE REMOVAL

PROJECT NO: 1009-37-01	HWY: STH 91	COUNTY: WINNEBAGO	PLAN DETAILS - CLEARING -- SITE 10	SHEET	E
------------------------	-------------	-------------------	------------------------------------	-------	----------



LEGEND
 CLEARING

PROJECT NO: 1009-37-01	HWY: IH 43	COUNTY: MANITOWOC	REMOVAL DETAILS - CLEARING -- SITE 11	SHEET E
------------------------	------------	-------------------	---------------------------------------	----------------



PROJECT NO: 1009-37-01

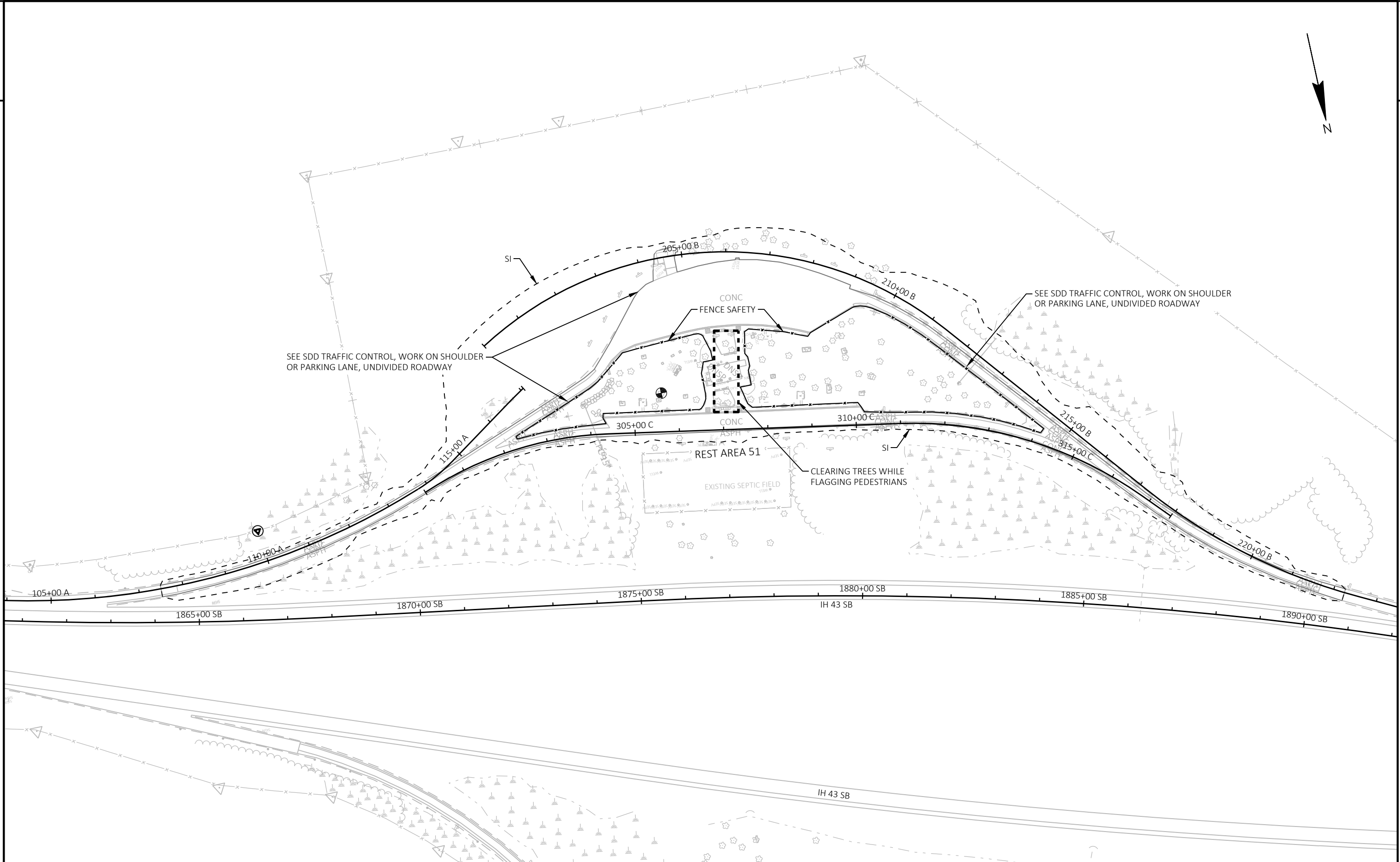
HWY: IH 43

COUNTY: MANITOWOC

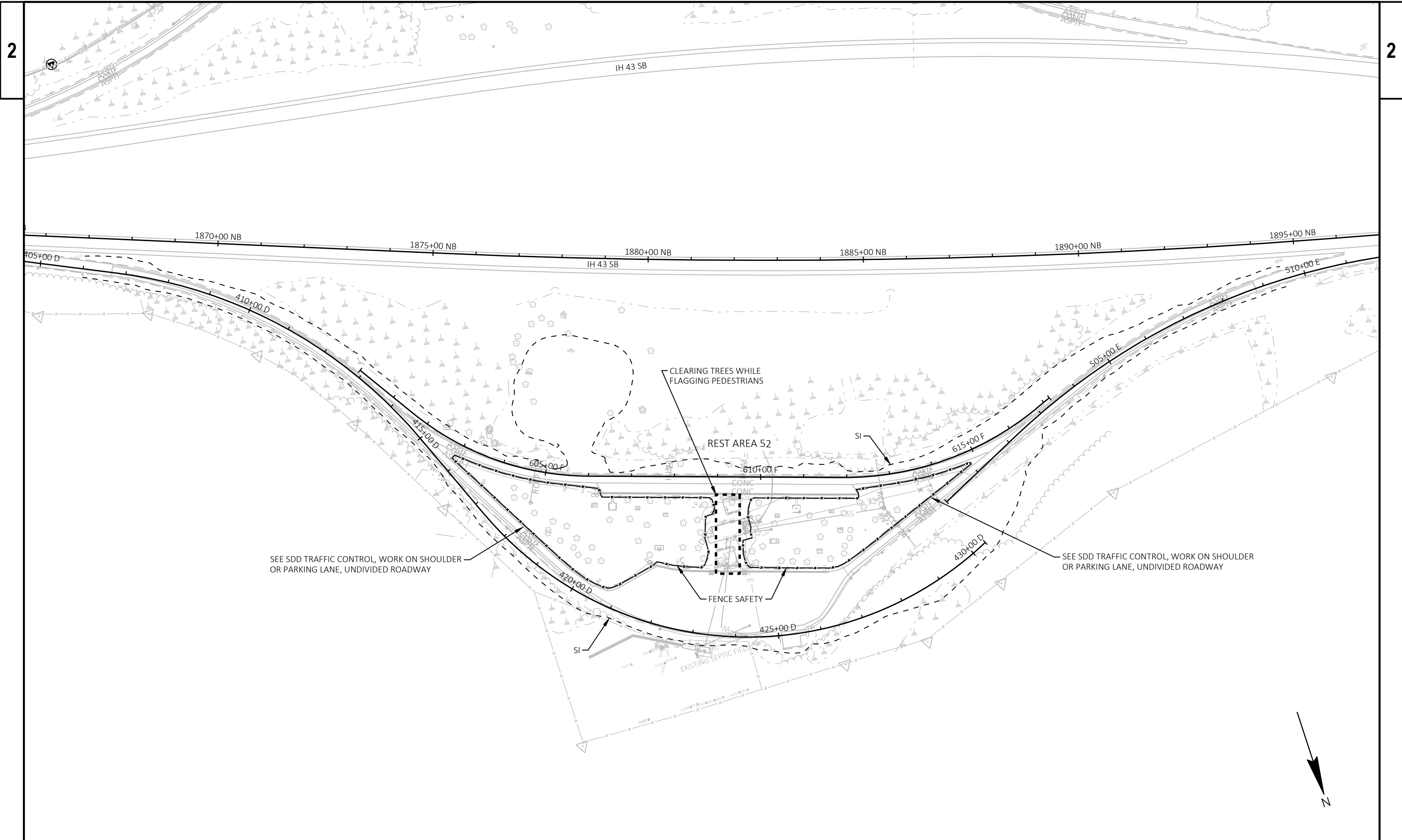
REMOVAL DETAILS - CLEARING -- SITE 11

SHEET

E



PROJECT NO: 1009-37-01	HWY: IH 43	COUNTY: MANITOWOC	TRAFFIC CONTROL & SAFETY FENCE - REST AREA 51 -- SITE 11	SHEET	E
------------------------	------------	-------------------	--	-------	----------



PROJECT NO: 1009-37-01	HWY: IH 43	COUNTY: MANITOWOC	TRAFFIC CONTROL & SAFETY FENCE - REST AREA 52 -- SITE 11	SHEET	E
------------------------	------------	-------------------	--	-------	----------

Estimate Of Quantities

1009-37-01

Line	Item	Item Description	Unit	Total	Qty
0002	201.0105	Clearing	STA	70.000	70.000
0004	201.0115	Clearing	ACRE	18.000	18.000
0006	201.0120	Clearing	ID	48.000	48.000
0008	213.0100	Finishing Roadway (project) 01. 1009-37.01	EACH	1.000	1.000
0010	618.0100	Maintenance And Repair of Haul Roads (project) 01. 1009-37-01	EACH	1.000	1.000
0012	619.1000	Mobilization	EACH	1.000	1.000
0014	SPV.0060	Special 01. Semi-Permanent Restoration	EACH	11.000	11.000
0016	SPV.0060	Special 02. Single Lane Closure, Non-Freeway/Expressway	EACH	1.000	1.000
0018	SPV.0060	Special 03. Shoulder Closure on Divided Roadway	EACH	1.000	1.000
0020	SPV.0060	Special 04. Work on Shoulder or Parking Lane Undivided Roadway	EACH	8.000	8.000
0022	SPV.0060	Special 05. Single Lane Closure With Bi-Directional Traffic	EACH	4.000	4.000

TREE CLEARING

SITE	LOCATION	STATION	TO	STATION	OFFSET	201.0105			REMARKS
						CLEARING	ACRE	ID	
1	STH 32	333+00	-	335+00	RT	2	-	-	
	STH 32	344+00	-	345+00	LT	1	-	-	
	STH 32	349+00	-	350+00	RT	1	-	-	
	STH 32	354+00	-	354+00	RT	2	-	-	
	STH 32	355+00	-	357+00	RT	2	-	-	
	STH 32	360+00	-	361+00	RT	1	-	-	
	STH 32	364+00	-	365+00	RT	1	-	-	
	STH 32	373+00	-	374+00	LT	1	-	-	
	STH 32	375+00	-	376+00	LT	1	-	-	
	CTH C	10+00	-	11+00	RT	1	-	-	
SUBTOTAL						13	0	0	
2	STH 55	103+00	-	106+00	RT/LT	3	-	-	
	SUBTOTAL						3	0	0
3	STH 29 EB	100+00	-	101+00	RT	1	-	-	
	CLARK DR	11+00	-	13+00	LT/RT	2	-	-	
	CLARK DR	16+00	-	18+00	LT	2	-	-	
	BUS 29/CTH MMM	32+00	-	36+00	LT/RT	4	-	-	
SUBTOTAL						9	0	0	
4	STH 57	206+00	-	209+00	LT/RT	3	-	-	
	STH 57	341+00	-	344+00	LT/RT	3	-	-	
	STH 57	573+00	-	578+00	LT/RT	5	-	-	
	STH 57	732+00	-	737+00	LT/RT	5	-	-	
SUBTOTAL						16	0	0	
5	FROGTOWN RD	201+00	-	203+00	RT	2	-	-	
	STH 57	814+00	-	816+00	RT	2	-	-	
	STH 57	827+00	-	829+00	LT	2	-	-	
SUBTOTAL						6	0	0	

TREE CLEARING (CONTINUED)

SITE	LOCATION	STATION	TO	STATION	OFFSET	201.0105			REMARKS
						CLEARING	ACRE	ID	
6	STH 172	19+00	-	21+00	LT/RT	2	-	-	
	SUBTOTAL						2	0	0
7	STH 54	1188+66	-	1188+66	LT	-	-	12	4 TREES 3" ID
	STH 54	1188+75	-	1188+75	RT	-	-	12	1 TREE 12" ID
	STH 54	1415+00	-	1417+00	LT	2	-	-	
SUBTOTAL						2	0	24	
8	STH 76	313+10	-	313+10	LT	-	-	24	
	SUBTOTAL						0	0	24
9	IH 41 - SWEF	105+00 'R'	-	123+00 'R'	RT	18	-	-	
	SUBTOTAL						18	0	0
10	STH 91	114+00	-	115+00	LT	1	-	-	
	SUBTOTAL						1	0	0
11	IH 43 - REST AREA 51	NA	-	NA	NA	-	9.7	-	
	IH 43 - REST AREA 52	NA	-	NA	NA	-	8.3	-	
SUBTOTAL						0	18.0	0	
TOTAL						70	18.0	48	

3

3

EROSION CONTROL AND TRAFFIC CONTROL

SITE	SPV.0060.01	SPV.0060.02	SPV.0060.03	SPV.0060.04	SPV.0060.05
	SEMI-PERMANENT RESTORATION EACH	SINGLE LANE CLOSURE NON-FREEWAY/EXPRESSWAY EACH	SHOULDER CLOSURE ON DIVIDED ROADWAY EACH	WORK ON SHOULDER OR PARKING LANE UNDIVIDED ROADWAY EACH	SINGLE LANE CLOSURE WITH BI-DIRECTIONAL TRAFFIC EACH
1	1	-	-	1	-
2	1	-	-	-	1
3	1	-	1	1	-
4	1	-	-	-	1
5	1	-	-	-	1
6	1	-	-	1	-
7	1	1	-	1	-
8	1	-	-	-	1
9	1	-	-	1	-
10	1	-	-	1	-
11	1	-	-	2	-
TOTAL	11	1	1	8	4

PROJECT NO: 1009-37-01

HWY: VARIES

COUNTY: REGION WIDE

MISCELLANEOUS QUANTITIES

SHEET

E

LEGEND

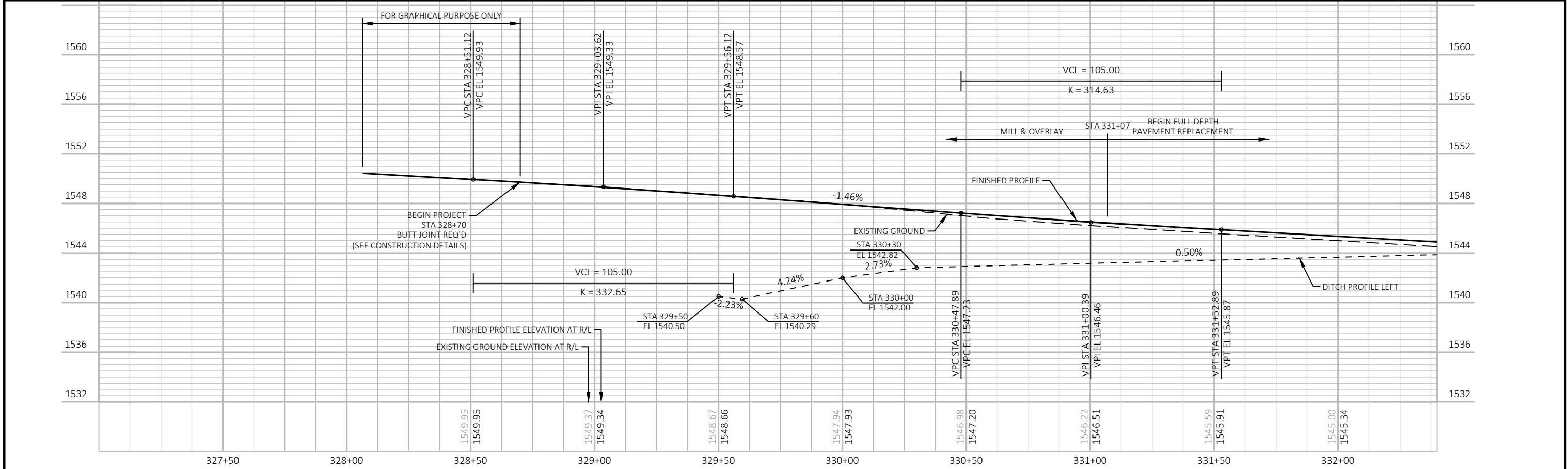
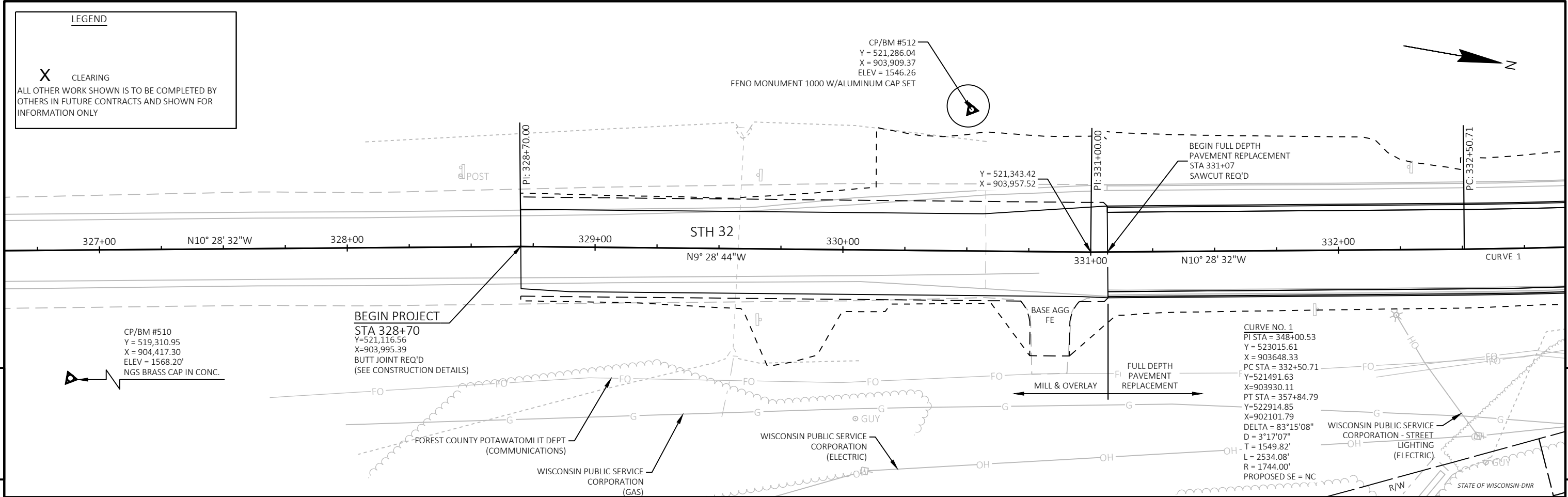
X CLEARING
 ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY

CP/BM #512
 Y = 521,286.04
 X = 903,909.37
 ELEV = 1546.26
 FENO MONUMENT 1000 W/ALUMINUM CAP SET



5

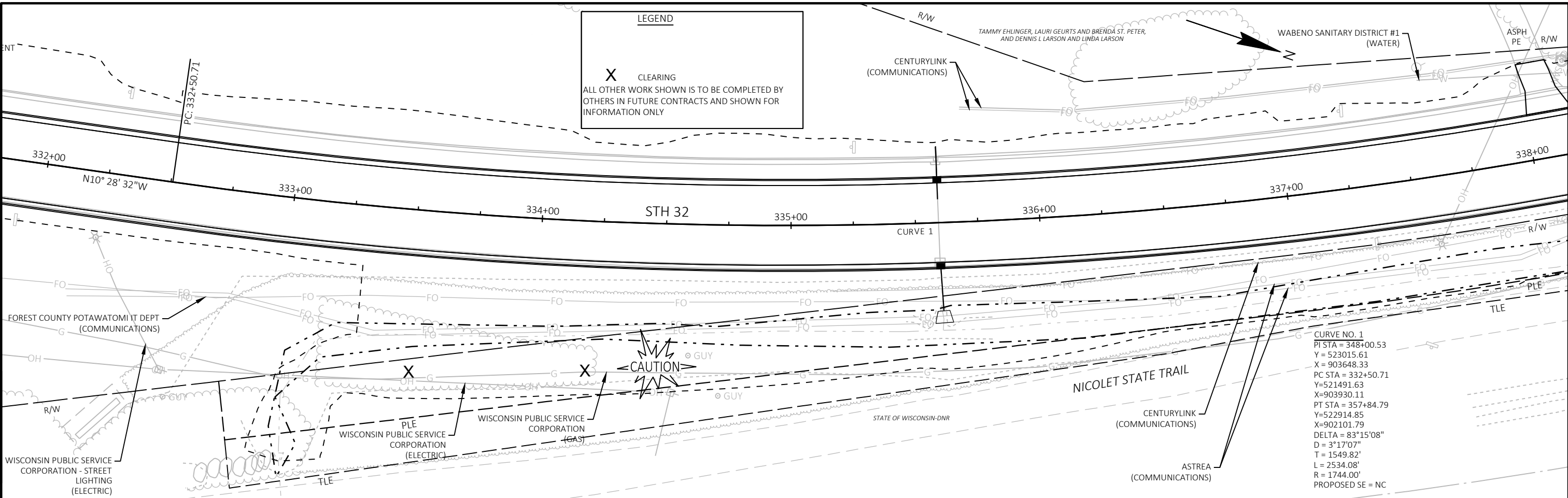
5



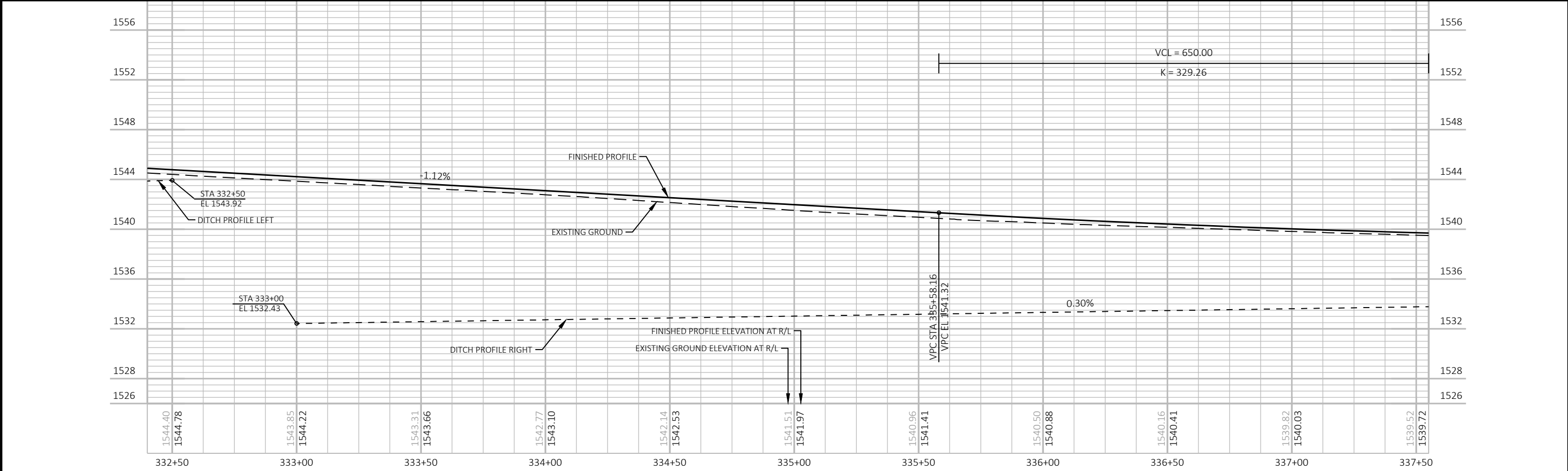
PROJECT NO: 1009-37-01 HWY: STH 32 COUNTY: FOREST PLAN AND PROFILE -- SITE 1 SHEET E

LEGEND

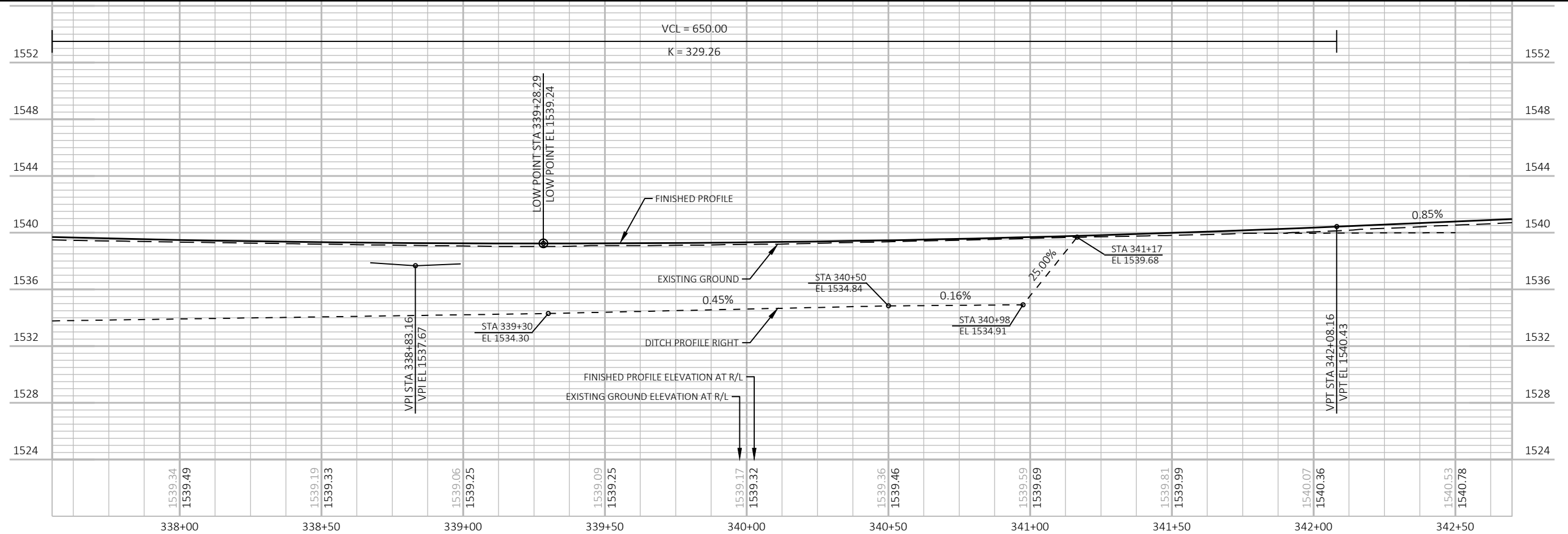
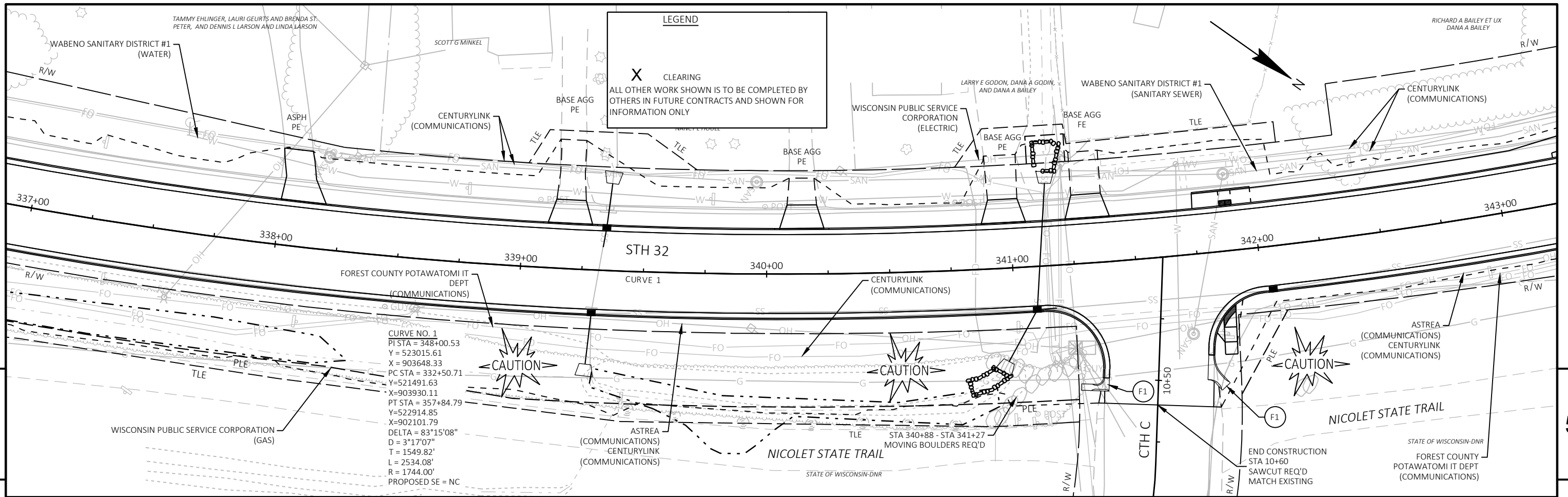
X CLEARING
 ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY



CURVE NO. 1
 PI STA = 348+00.53
 Y = 523015.61
 X = 903648.33
 PC STA = 332+50.71
 Y = 521491.63
 X = 903930.11
 PT STA = 357+84.79
 Y = 522914.85
 X = 902101.79
 DELTA = 83°15'08"
 D = 3°17'07"
 T = 1549.82'
 L = 2534.08'
 R = 1744.00'
 PROPOSED SE = NC



PROJECT NO: 1009-37-01 HWY: STH 32 COUNTY: FOREST PLAN AND PROFILE -- SITE 1 SHEET E



PROJECT NO: 1009-37-01

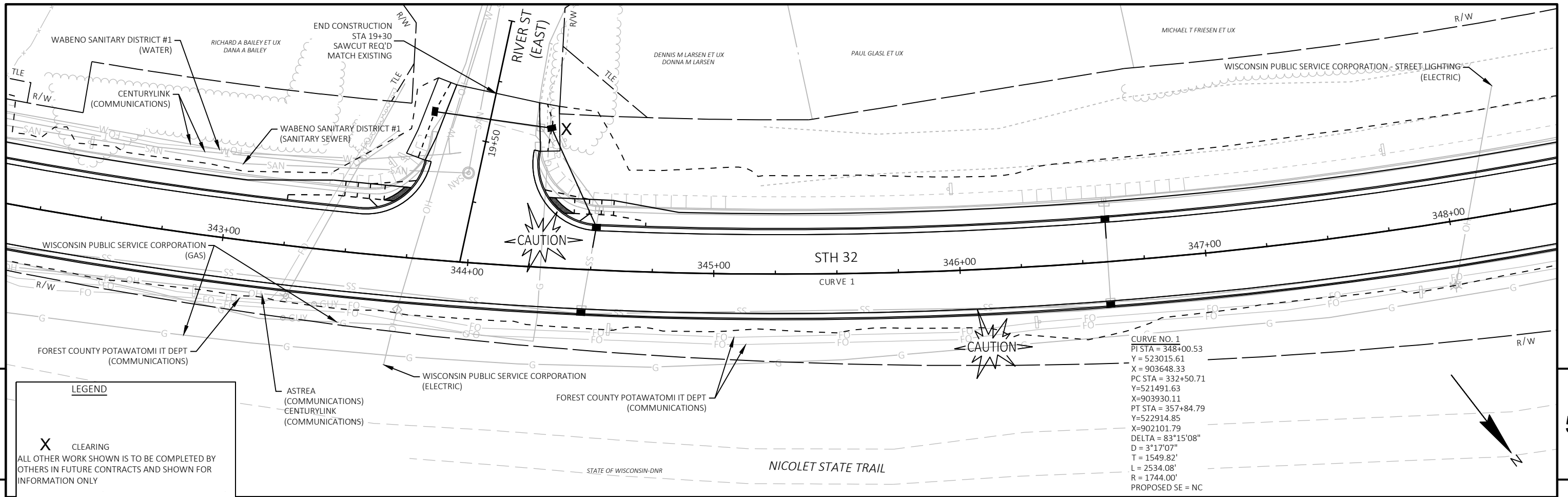
HWY: STH 32

COUNTY: FOREST

PLAN AND PROFILE -- SITE 1

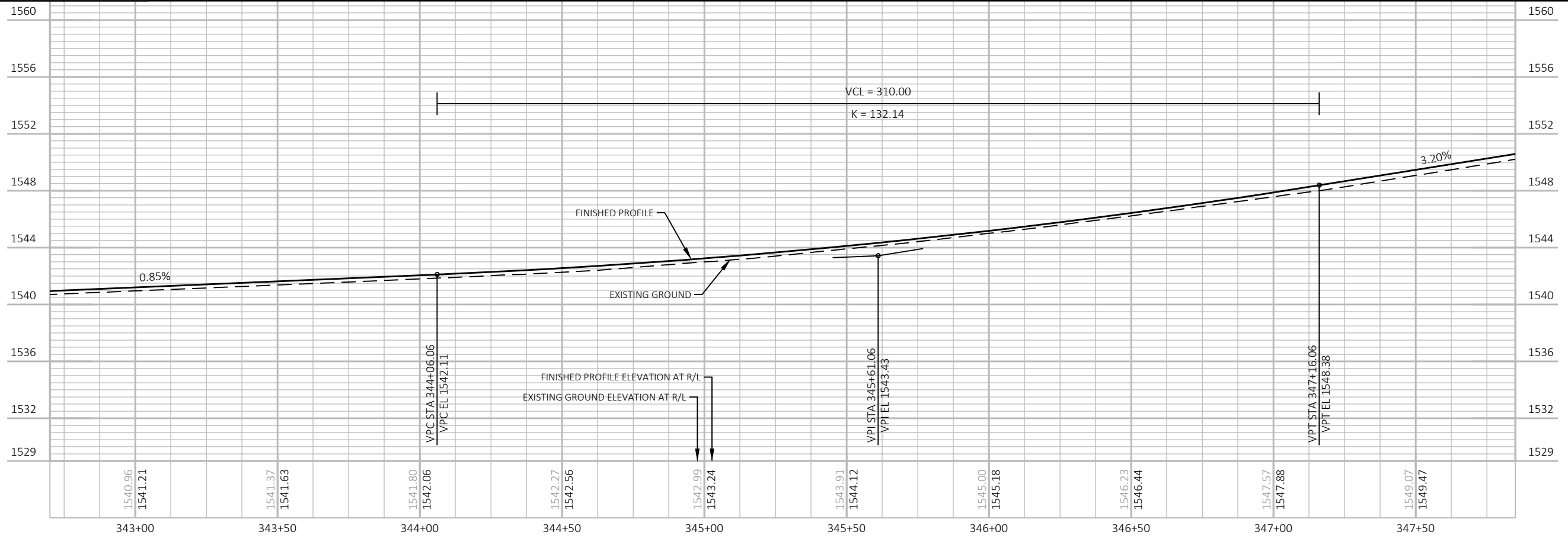
SHEET

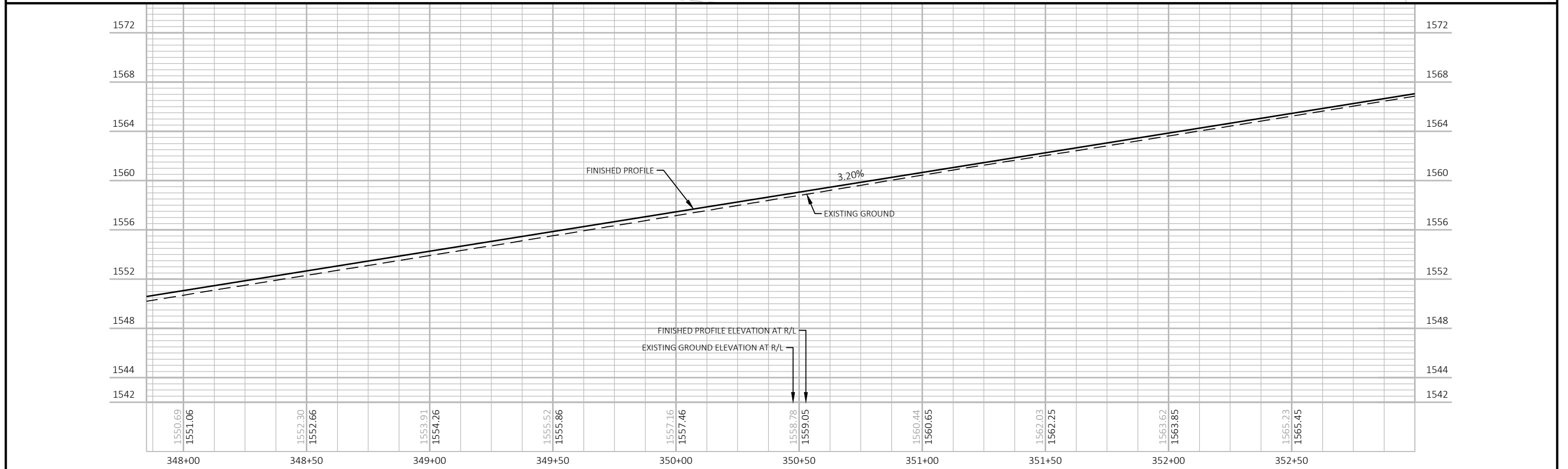
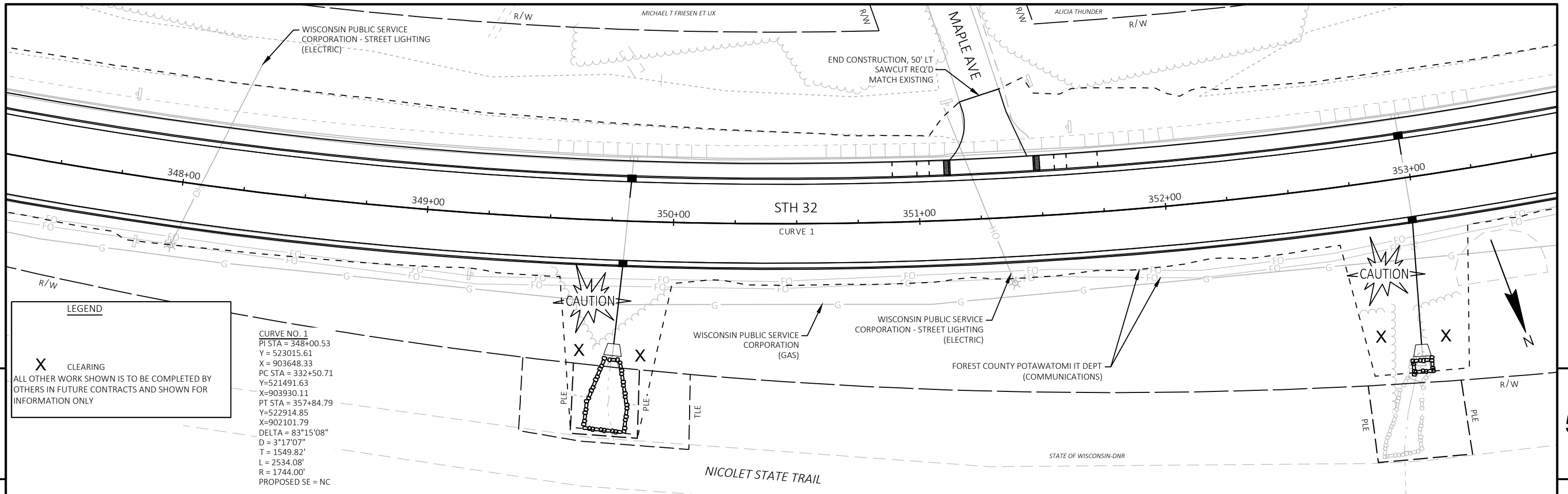
E



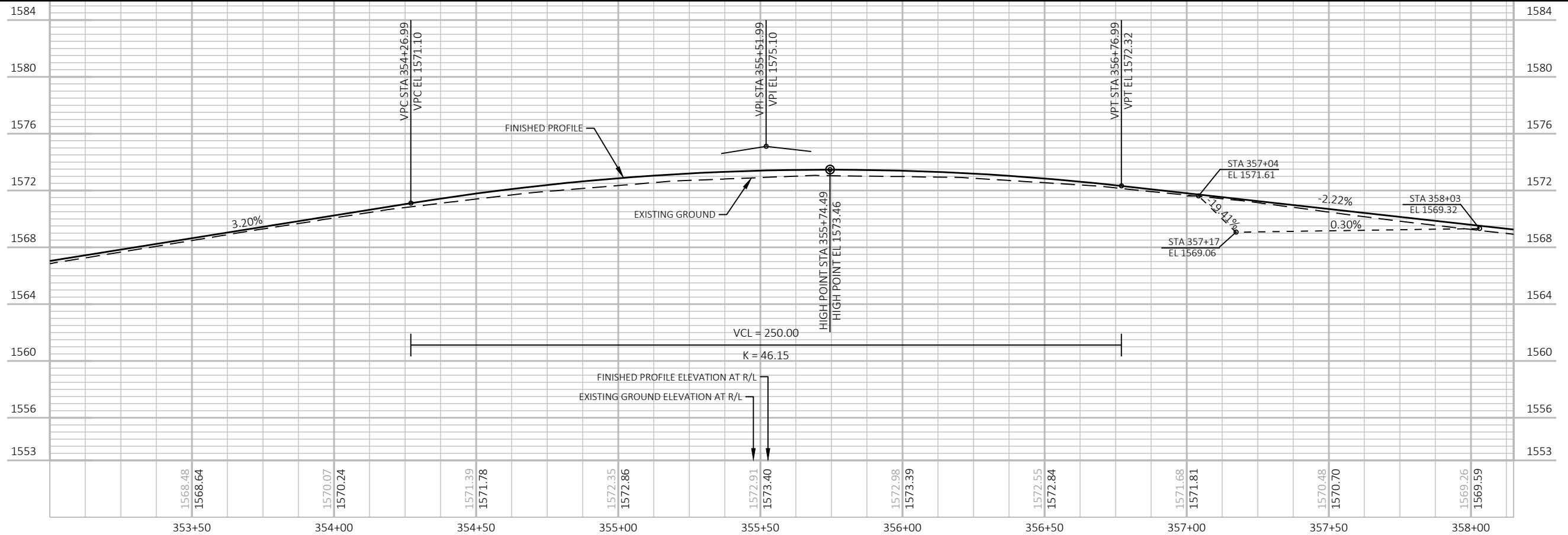
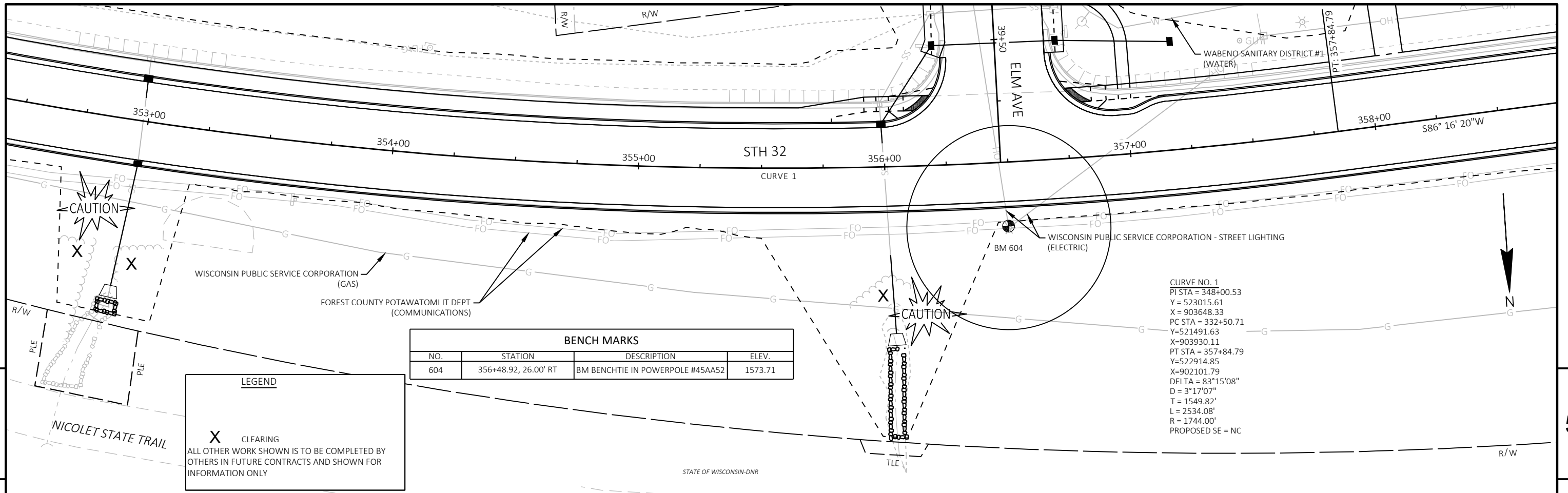
LEGEND

X CLEARING
 ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY





PROJECT NO: 1009-37-01 HWY: STH 32 COUNTY: FOREST PLAN AND PROFILE -- SITE 1 SHEET E



PROJECT NO: 1009-37-01

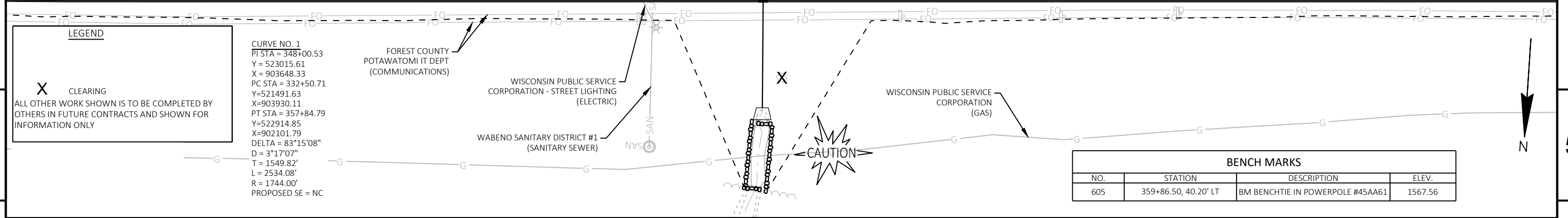
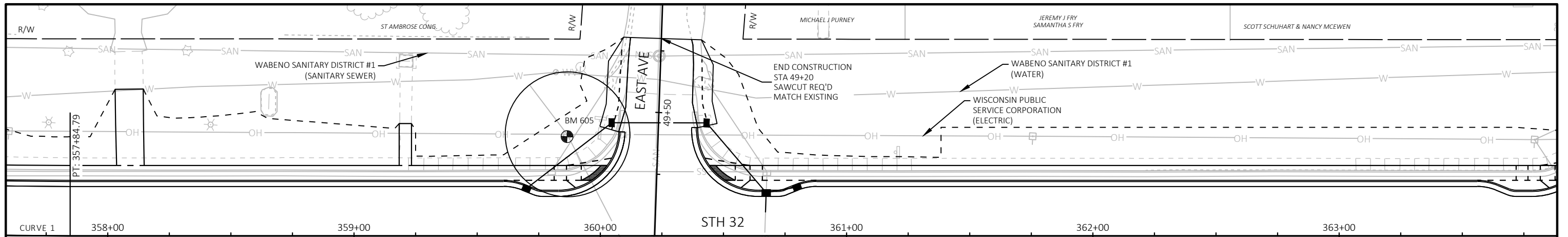
HWY: STH 32

COUNTY: FOREST

PLAN AND PROFILE -- SITE 1

SHEET

E

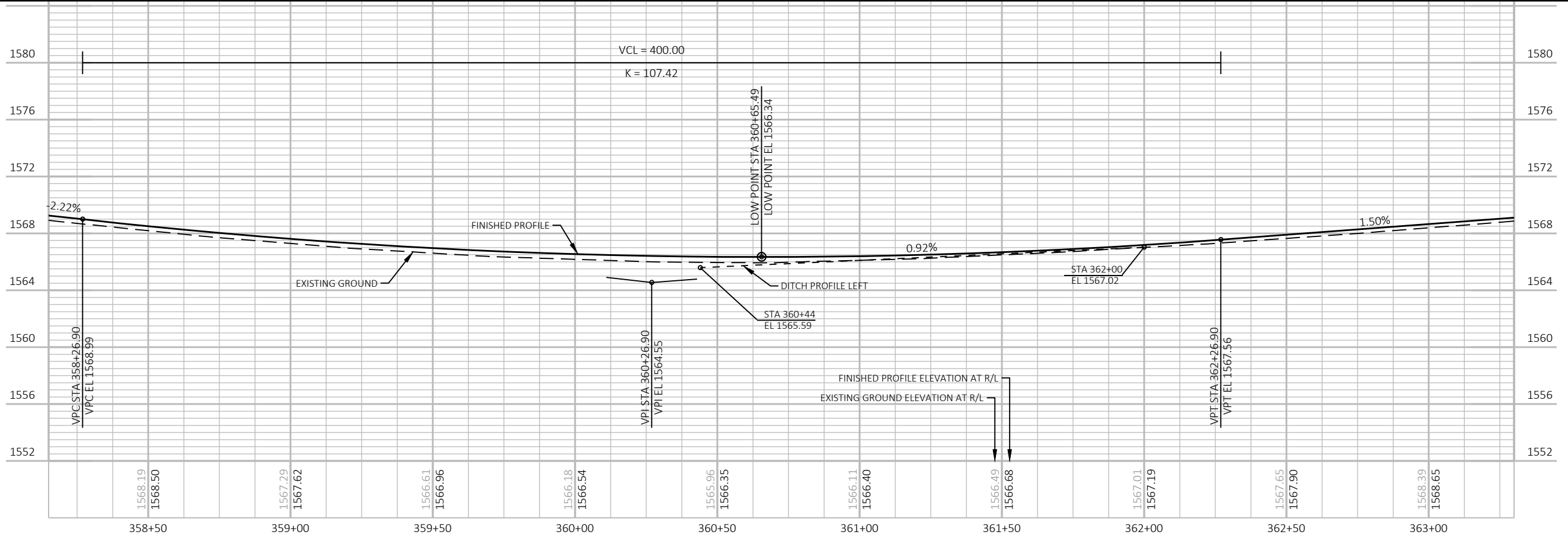


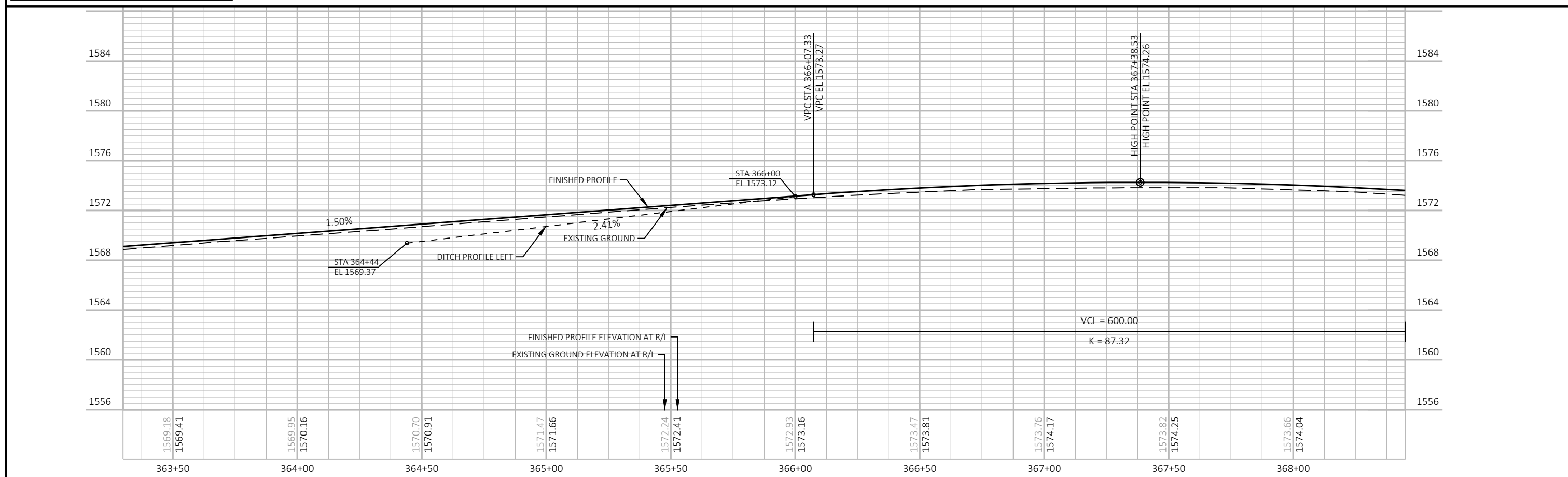
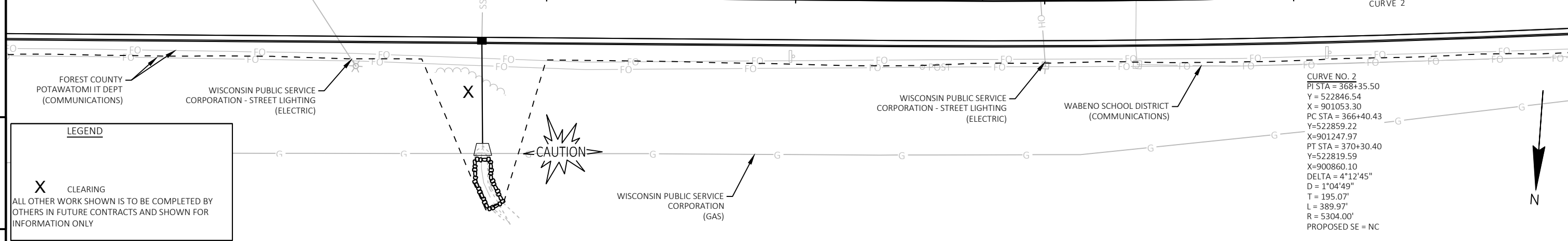
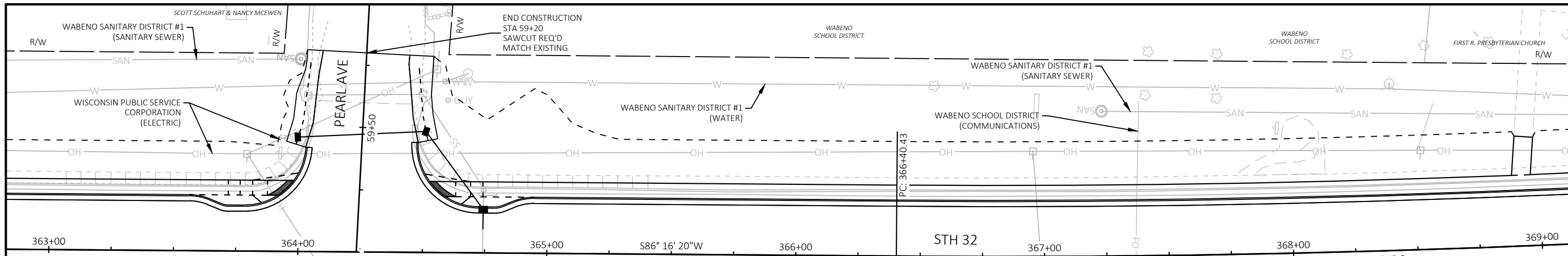
LEGEND

X CLEARING
ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY

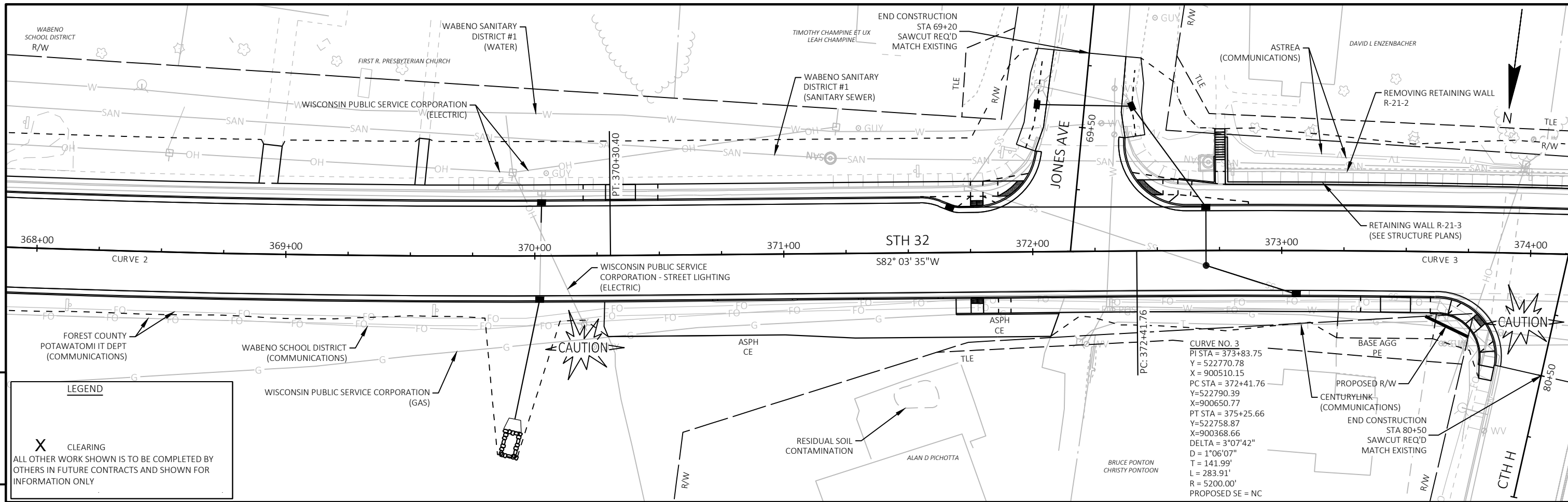
CURVE NO. 1
 PI STA = 348+00.53
 Y = 523015.61
 X = 903648.33
 PC STA = 332+50.71
 Y = 521491.63
 X = 903930.11
 PT STA = 357+84.79
 Y = 522914.85
 X = 902101.79
 DELTA = 83°15'08"
 D = 3°17'07"
 T = 1549.82'
 L = 2534.08'
 R = 1744.00'
 PROPOSED SE = NC

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
605	359+86.50, 40.20' LT	BM BENCHTIE IN POWERPOLE #45AA61	1567.56





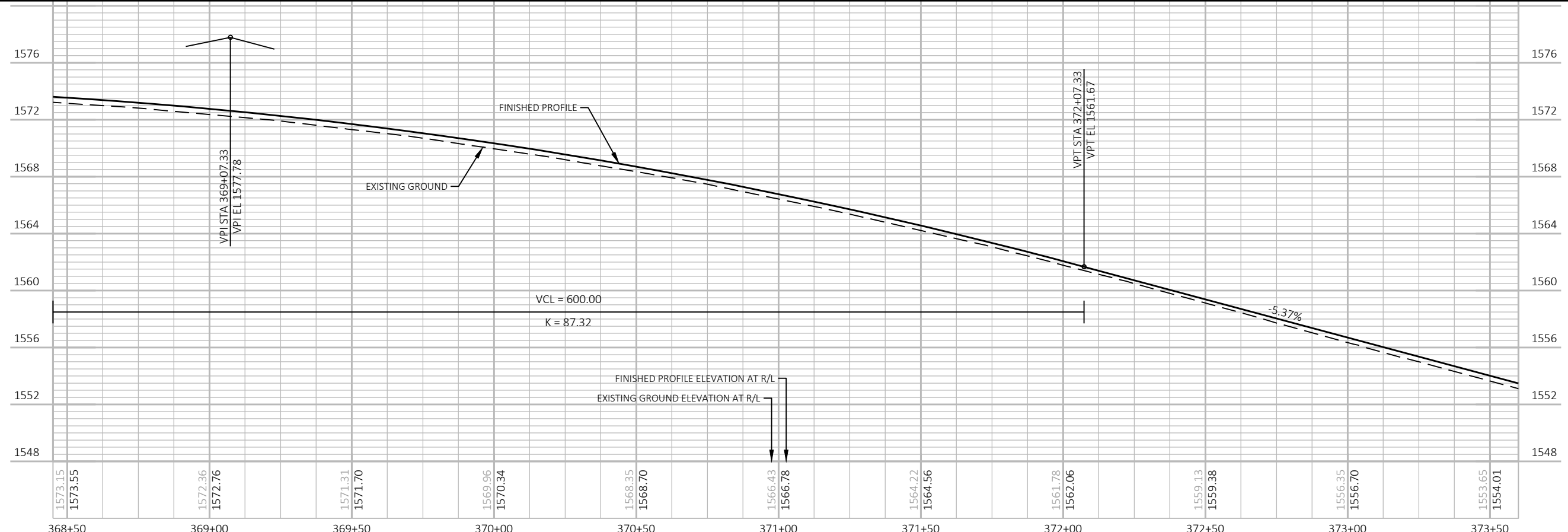
PROJECT NO: 1009-37-01 HWY: STH 32 COUNTY: FOREST PLAN AND PROFILE -- SITE 1 SHEET E

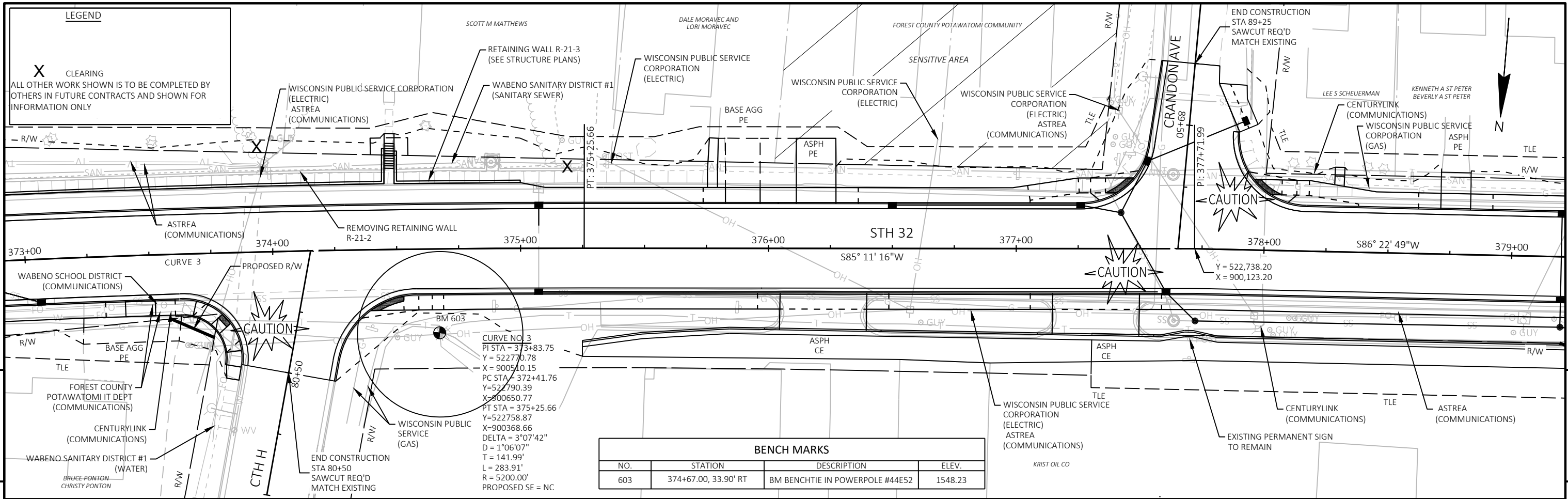


LEGEND

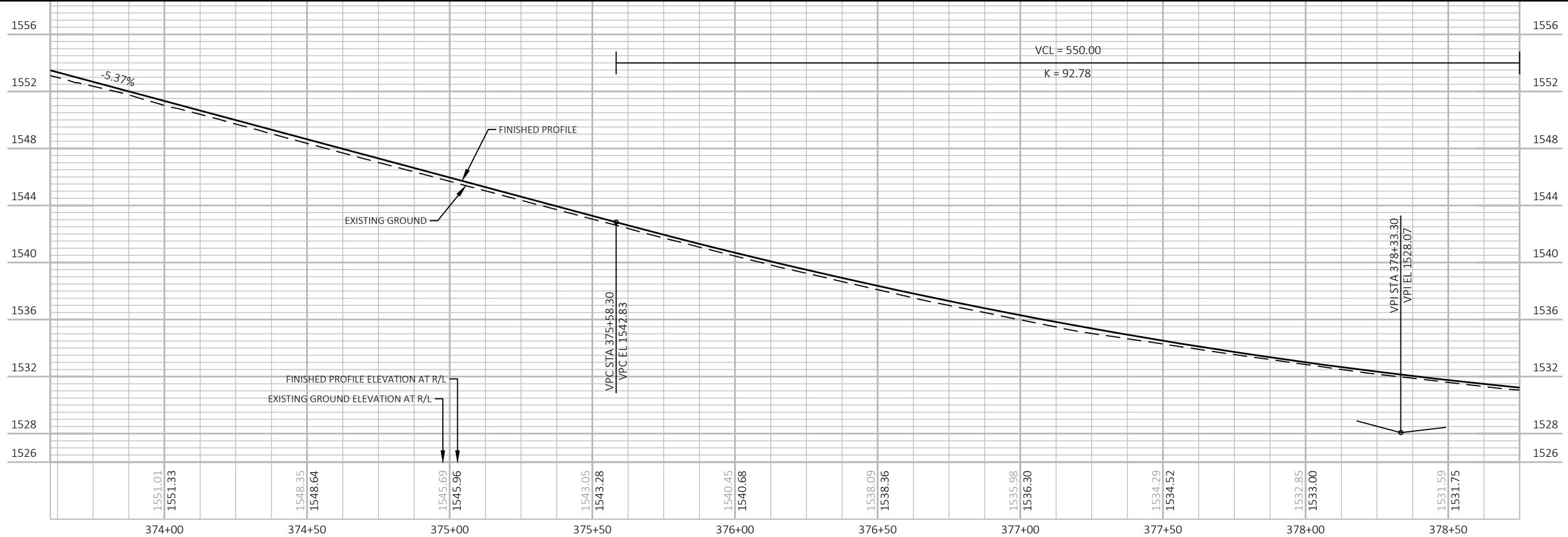
X CLEARING
 ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY

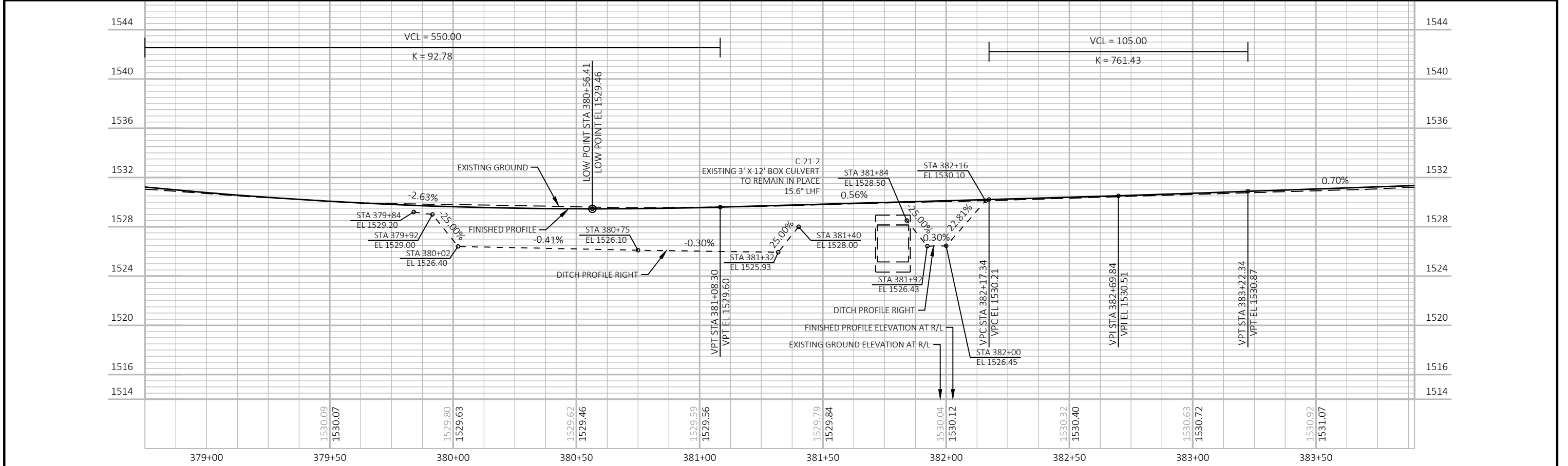
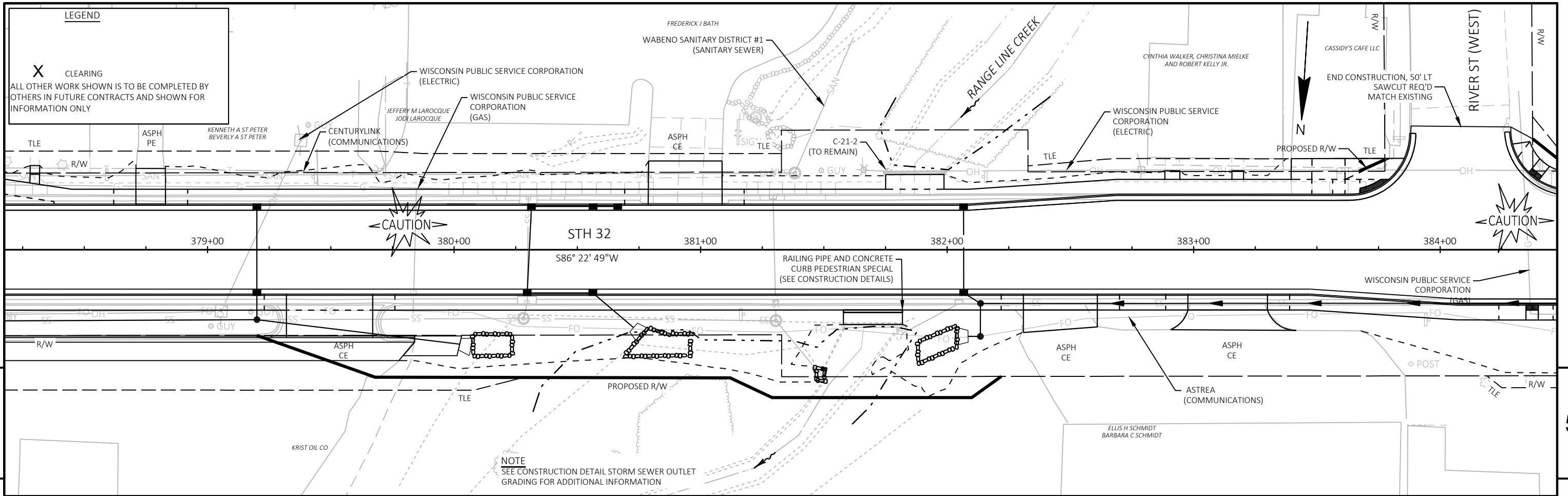
CURVE NO. 3
 PI STA = 373+83.75
 Y = 522770.78
 X = 900510.15
 PC STA = 372+41.76
 Y = 522790.39
 X = 900650.77
 PT STA = 375+25.66
 Y = 522758.87
 X = 900368.66
 DELTA = 3°07'42"
 D = 1°06'07"
 T = 141.99'
 L = 283.91'
 R = 5200.00'
 PROPOSED SE = NC



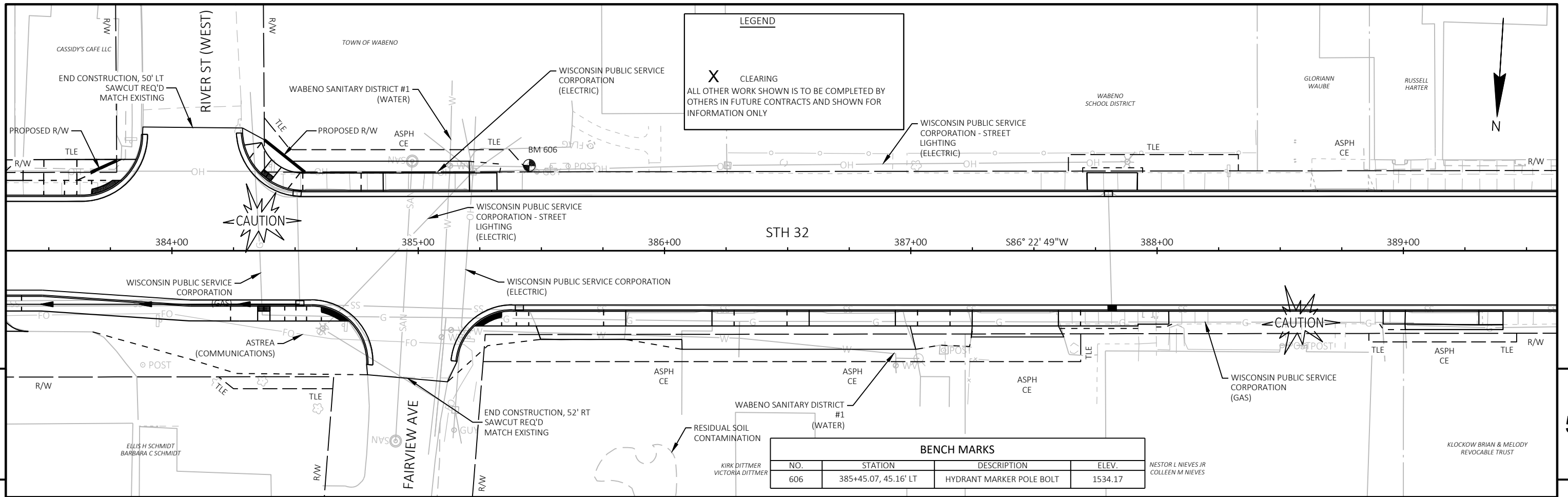


BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
603	374+67.00, 33.90' RT	BM BENCHTIE IN POWERPOLE #44E52	1548.23

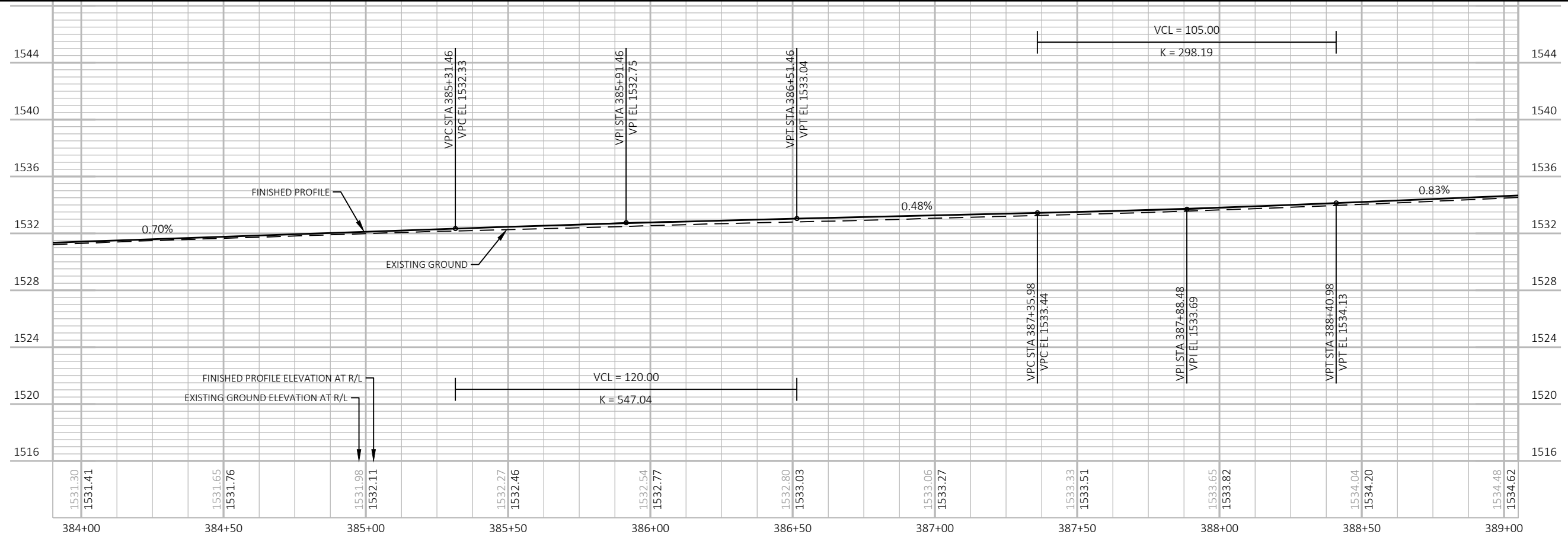


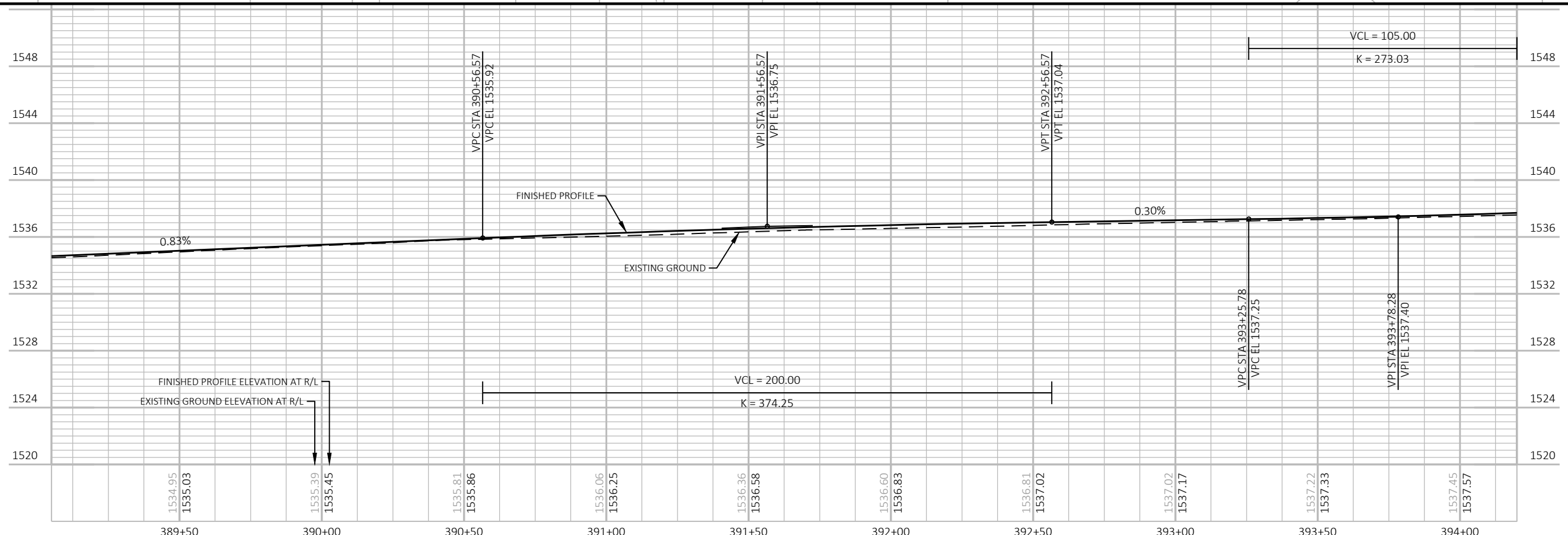
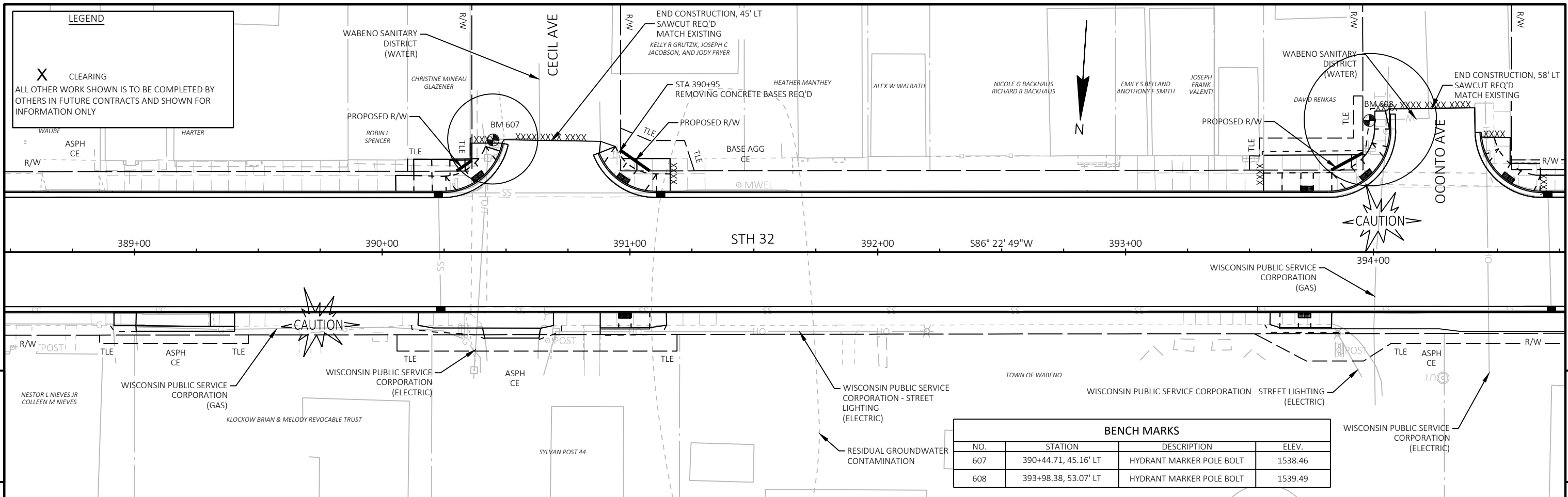


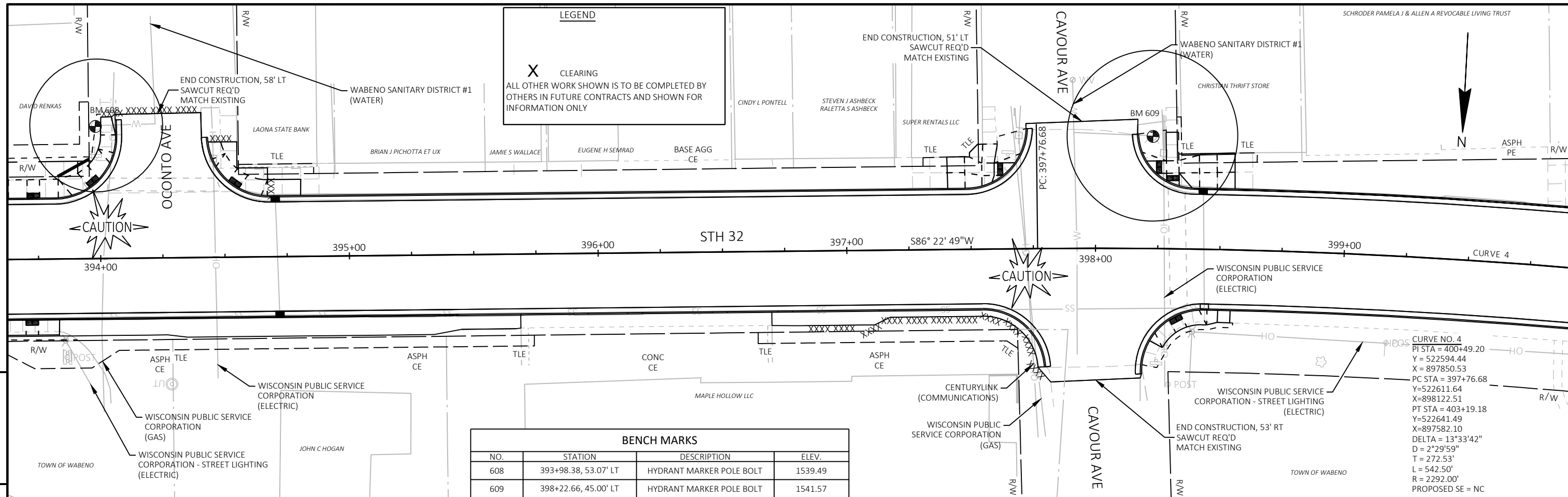
PROJECT NO: 1009-37-01 HWY: STH 32 COUNTY: FOREST PLAN AND PROFILE -- SITE 1 SHEET E



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
606	385+45.07, 45.16' LT	HYDRANT MARKER POLE BOLT	1534.17

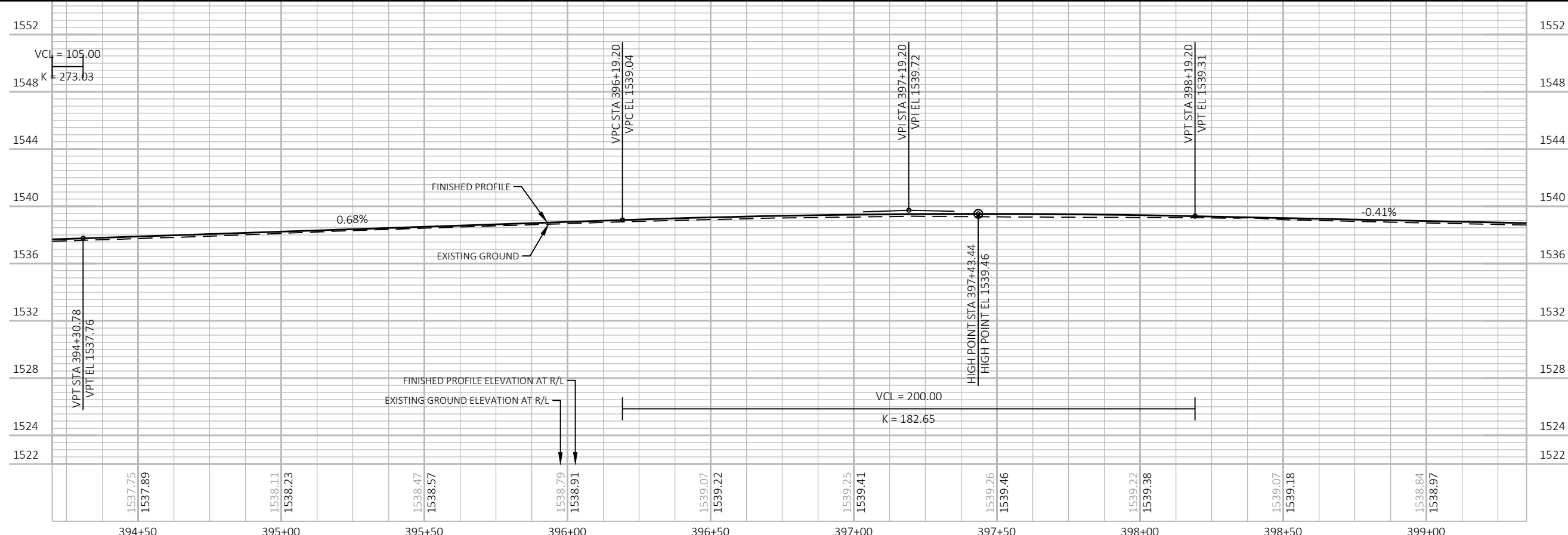


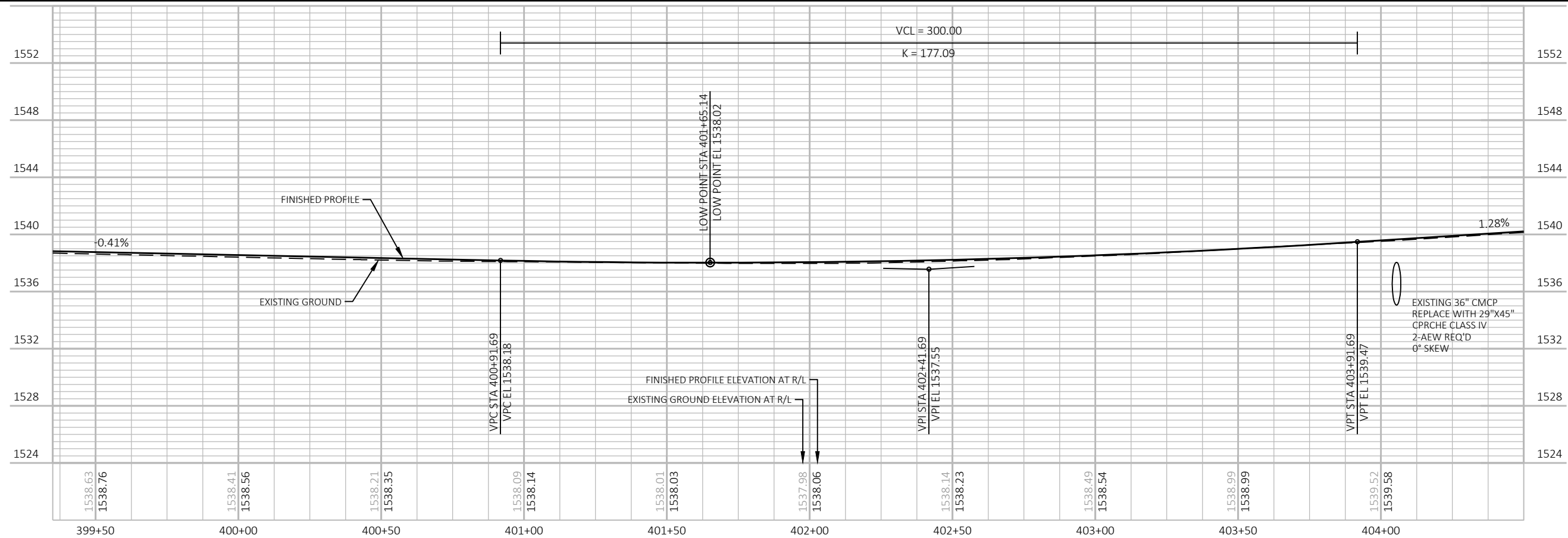
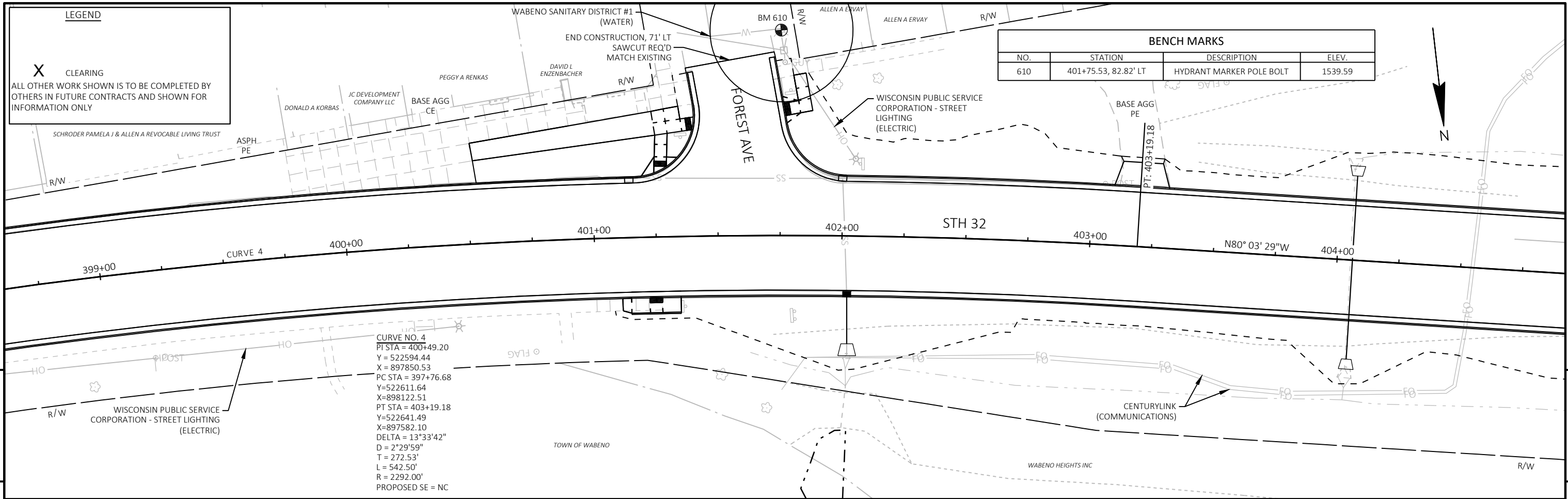




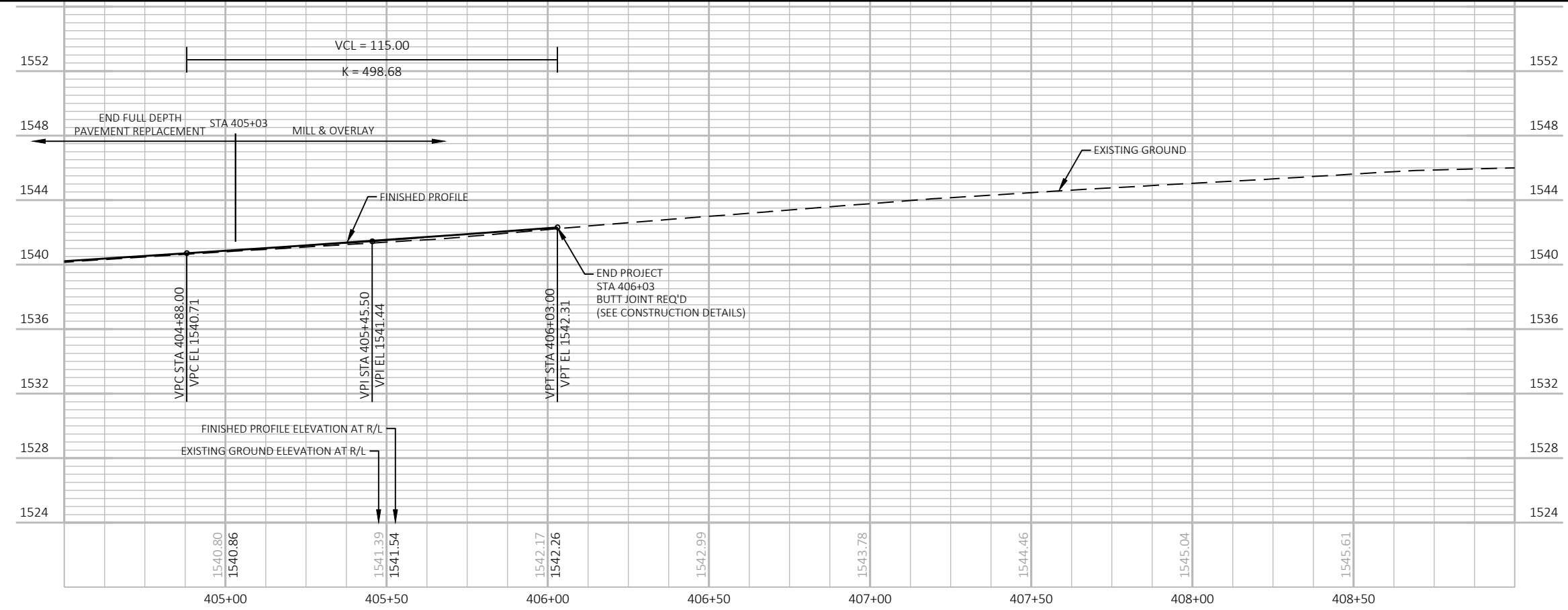
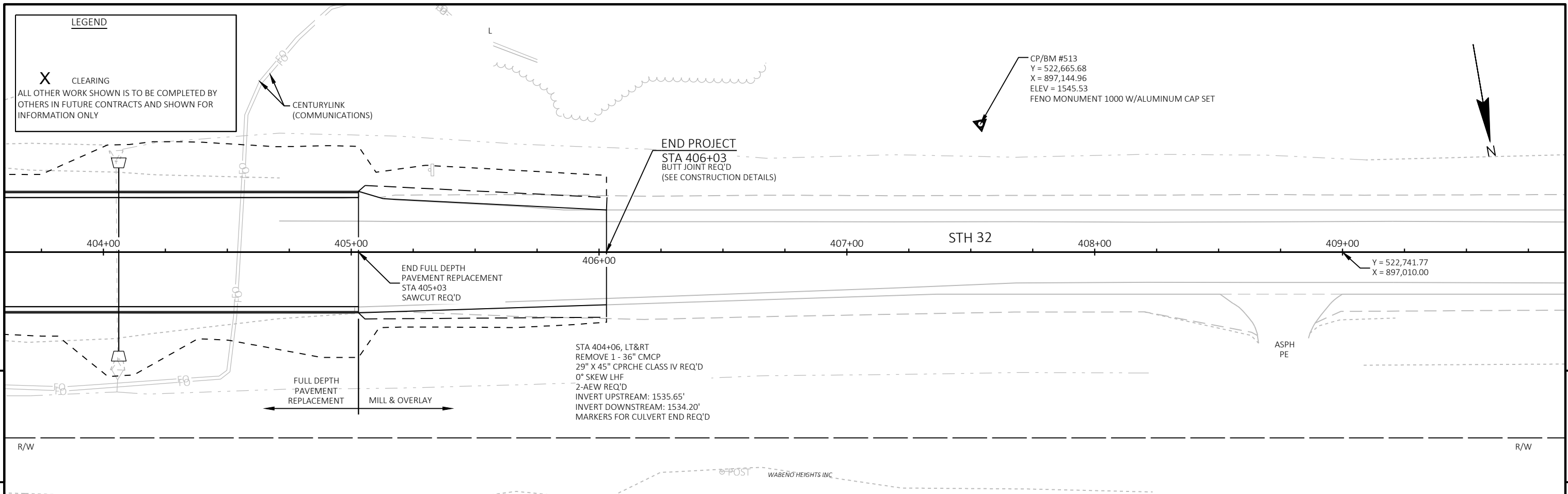
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
608	393+98.38, 53.07' LT	HYDRANT MARKER POLE BOLT	1539.49
609	398+22.66, 45.00' LT	HYDRANT MARKER POLE BOLT	1541.57

CURVE NO. 4
 PI STA = 400+49.20
 Y = 522594.44
 X = 897850.53
 PC STA = 397+76.68
 Y = 522611.64
 X = 898122.51
 PT STA = 403+19.18
 Y = 522641.49
 X = 897582.10
 DELTA = 13°33'42"
 D = 2°29'59"
 T = 272.53'
 L = 542.50'
 R = 2292.00'
 PROPOSED SE = NC





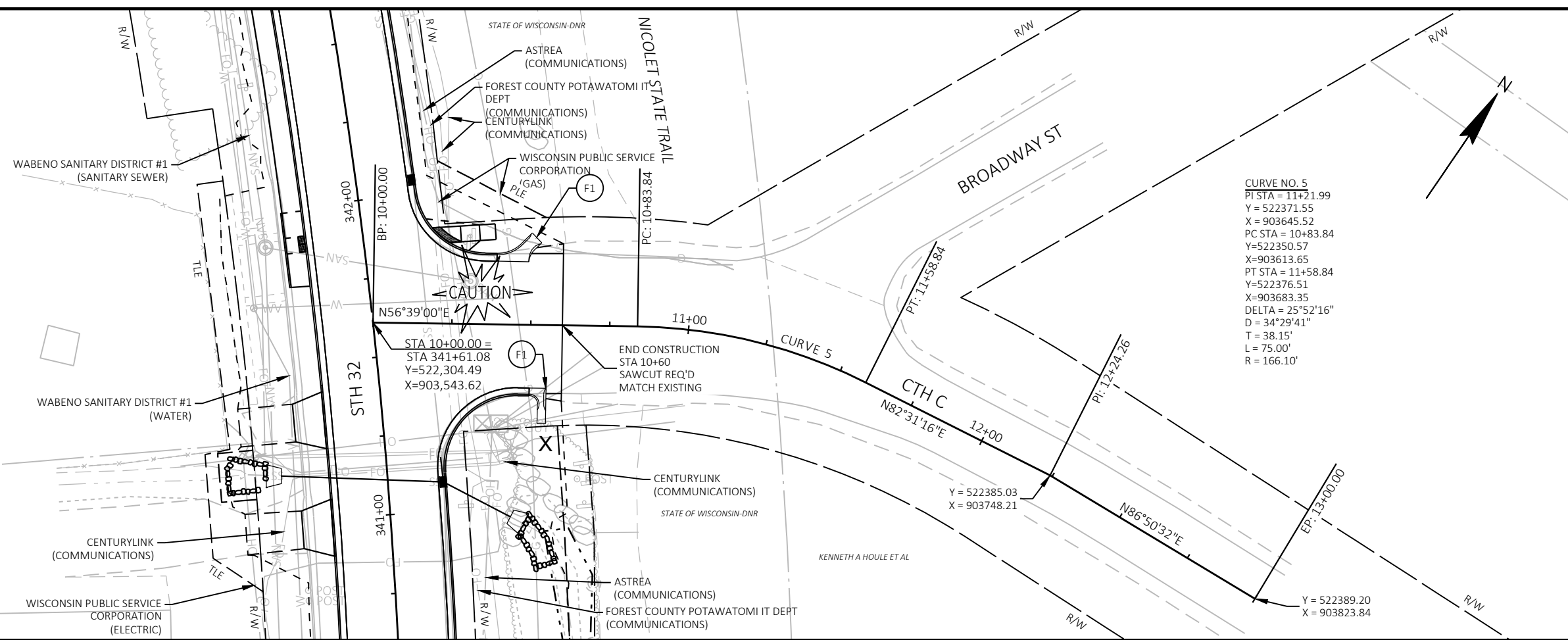
PROJECT NO: 1009-37-01 HWY: STH 32 COUNTY: FOREST PLAN AND PROFILE -- SITE 1 SHEET E



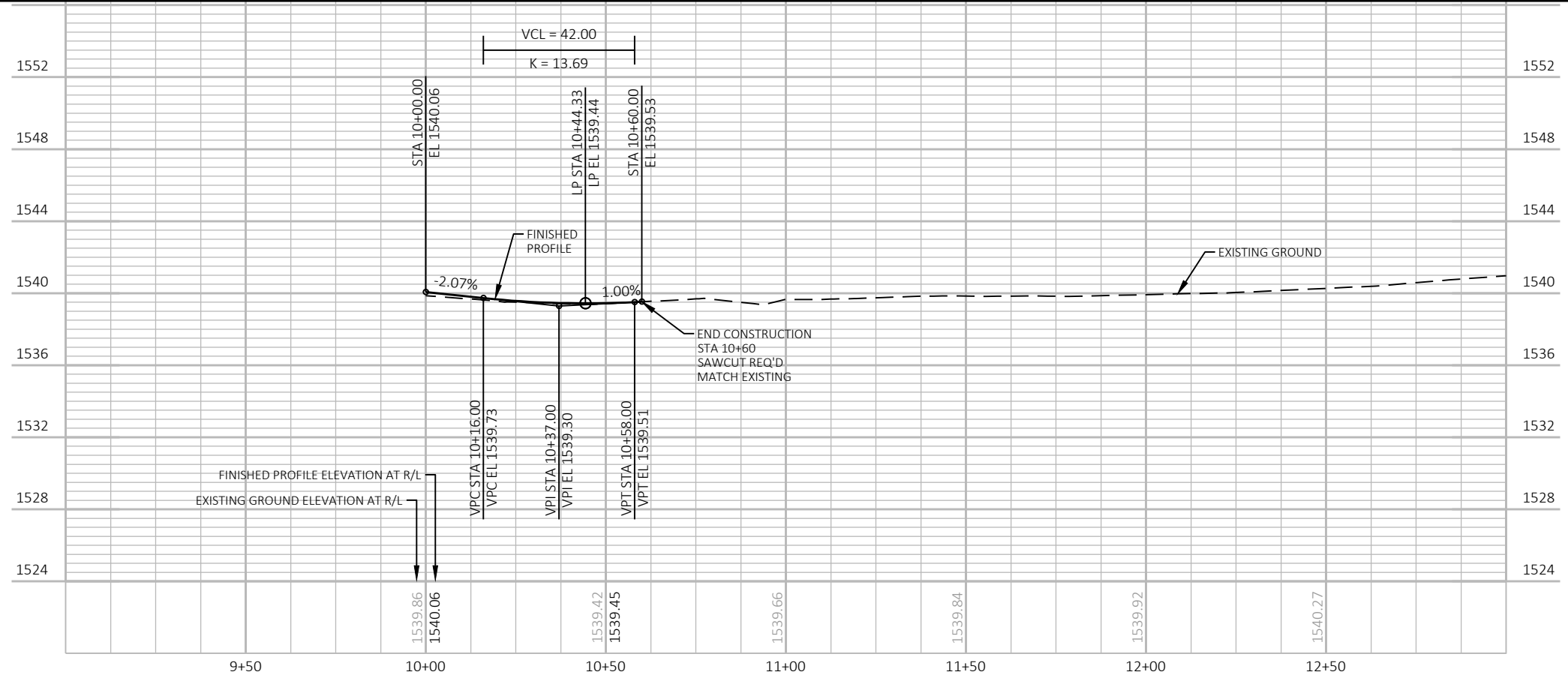
PROJECT NO: 1009-37-01 HWY: STH 32 COUNTY: FOREST PLAN AND PROFILE -- SITE 1 SHEET E

LEGEND

X CLEARING
 ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY



CURVE NO. 5
 PI STA = 11+21.99
 Y = 522371.55
 X = 903645.52
 PC STA = 10+83.84
 Y = 522350.57
 X = 903613.65
 PT STA = 11+58.84
 Y = 522376.51
 X = 903683.35
 DELTA = 25°52'16"
 D = 34°29'41"
 T = 38.15'
 L = 75.00'
 R = 166.10'



PROJECT NO: 1009-37-01

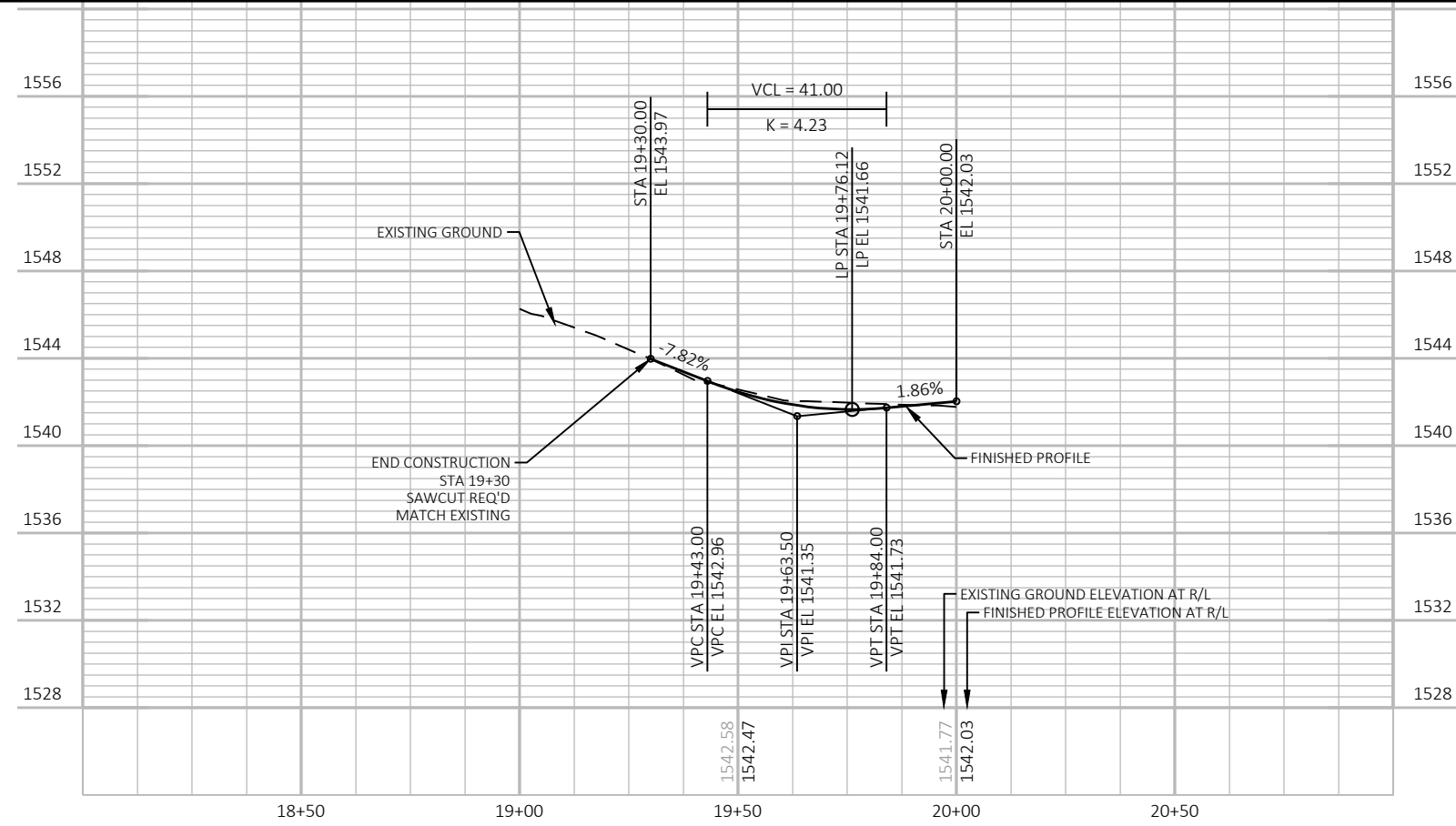
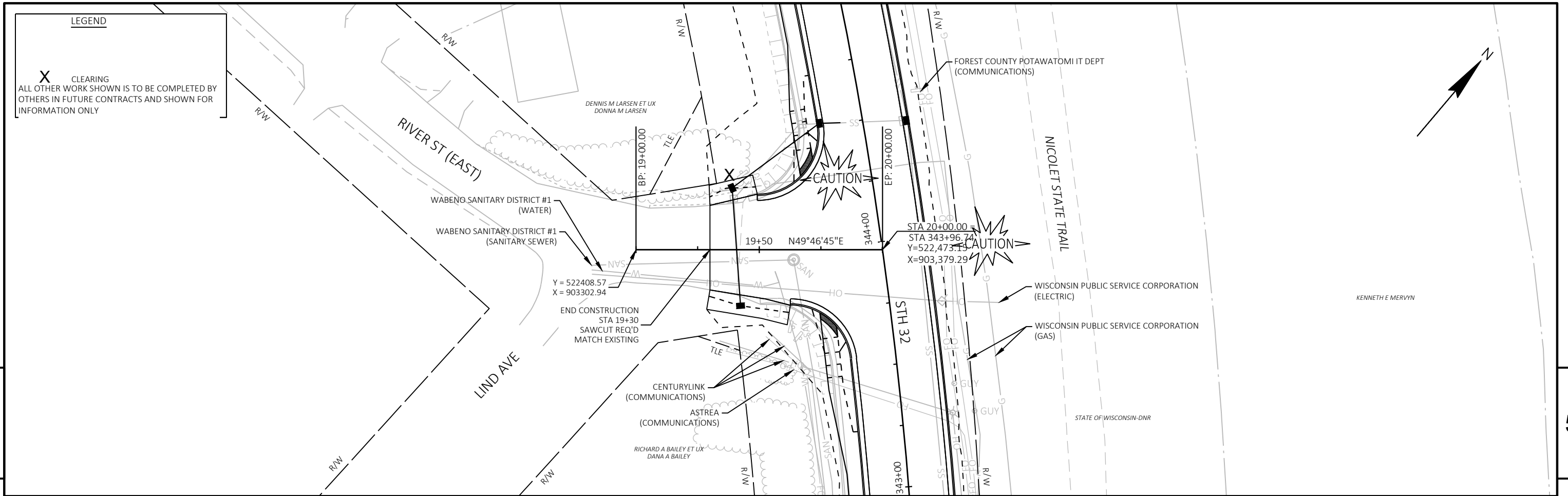
HWY: STH 32

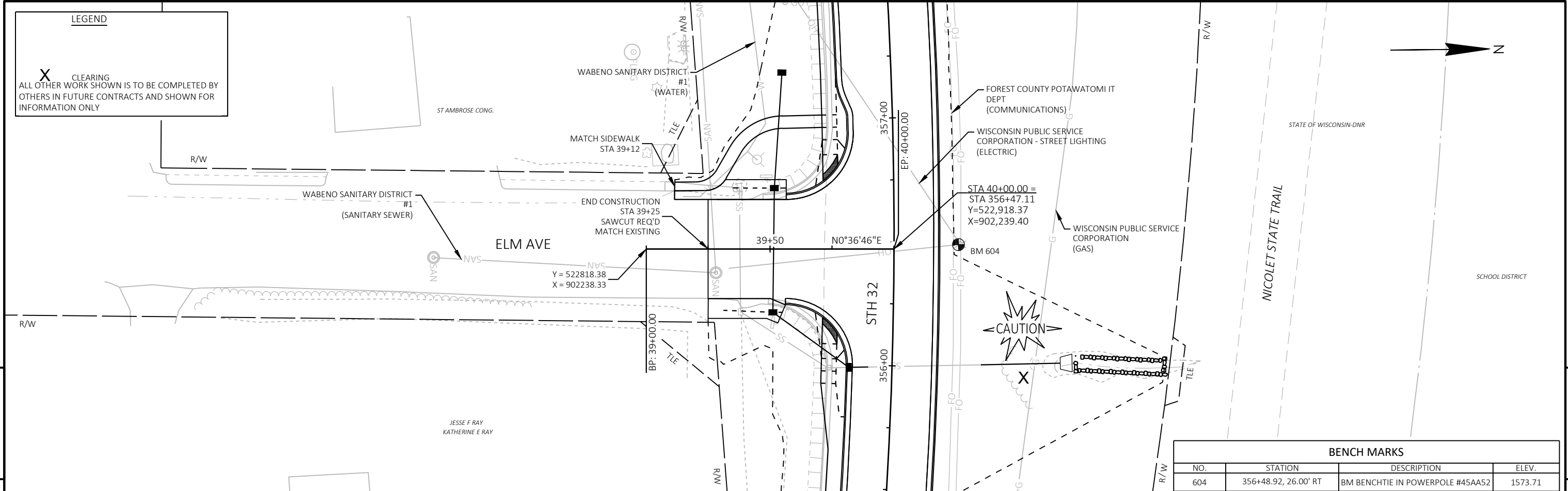
COUNTY: FOREST

PLAN AND PROFILE: CTH C -- SITE 1

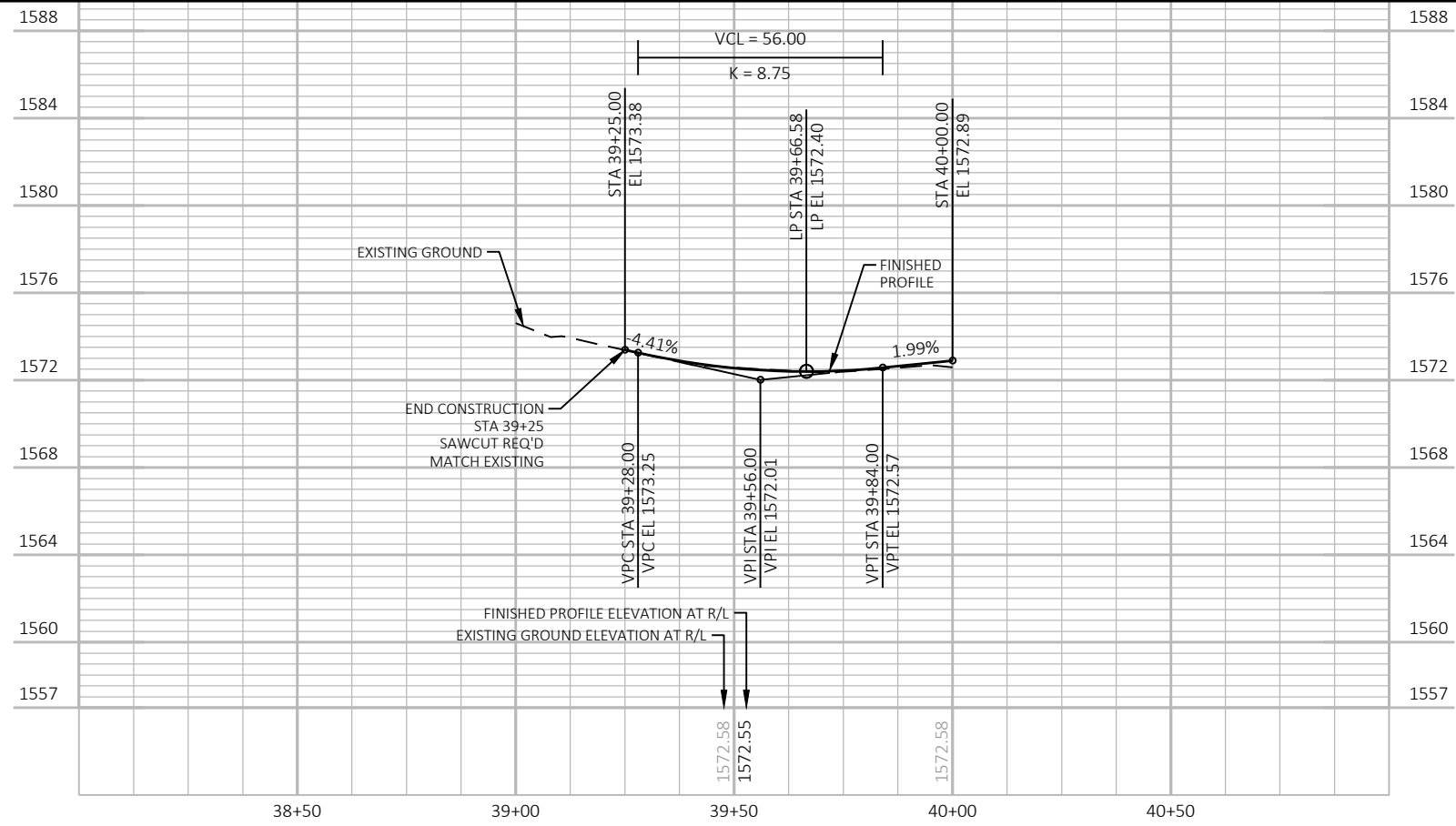
SHEET

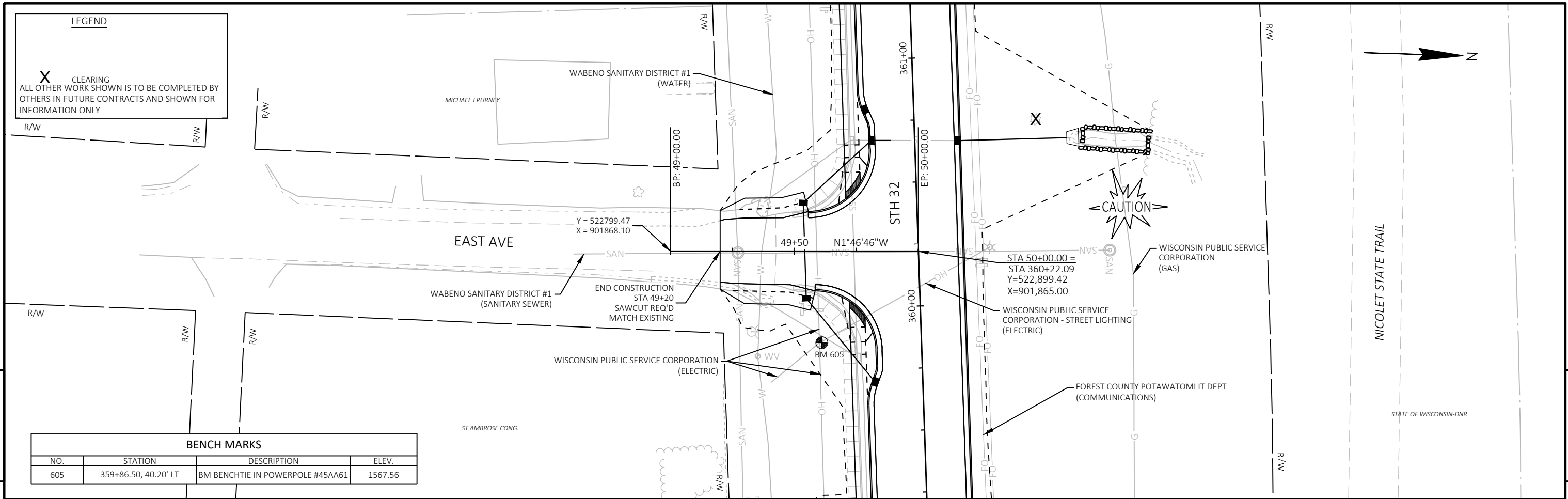
E





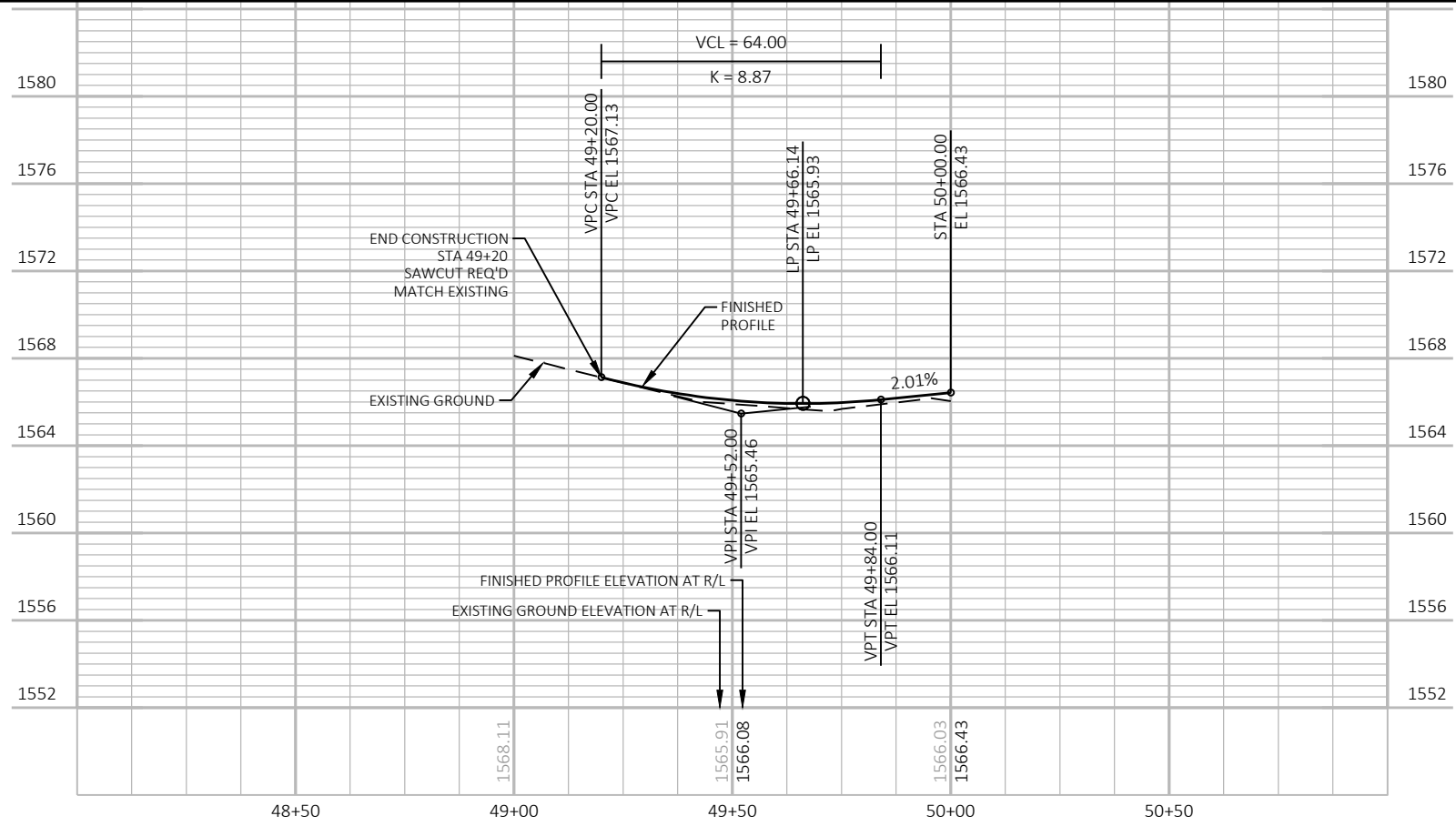
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
604	356+48.92, 26.00' RT	BM BENCHTIE IN POWERPOLE #45AA52	1573.71

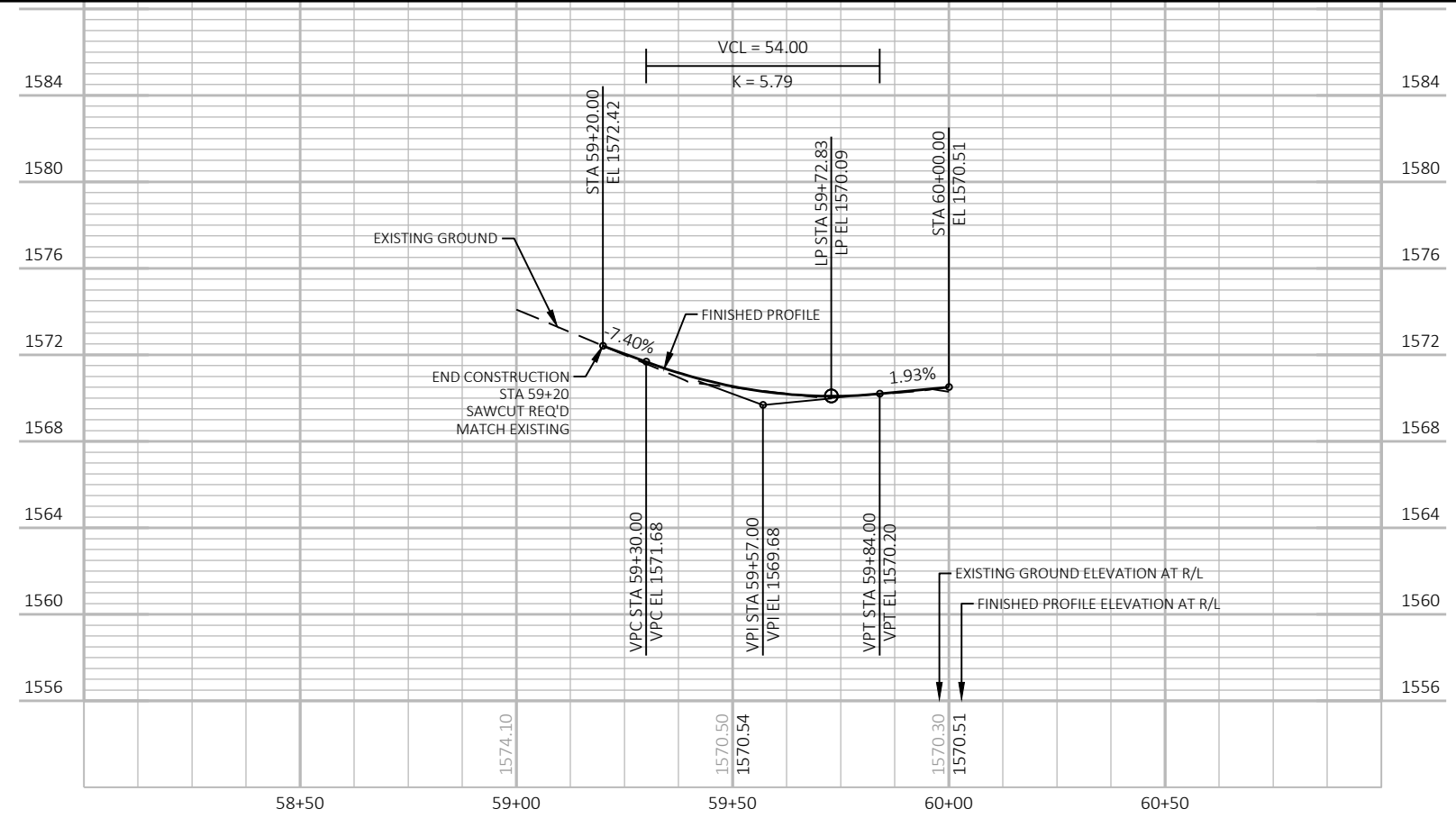
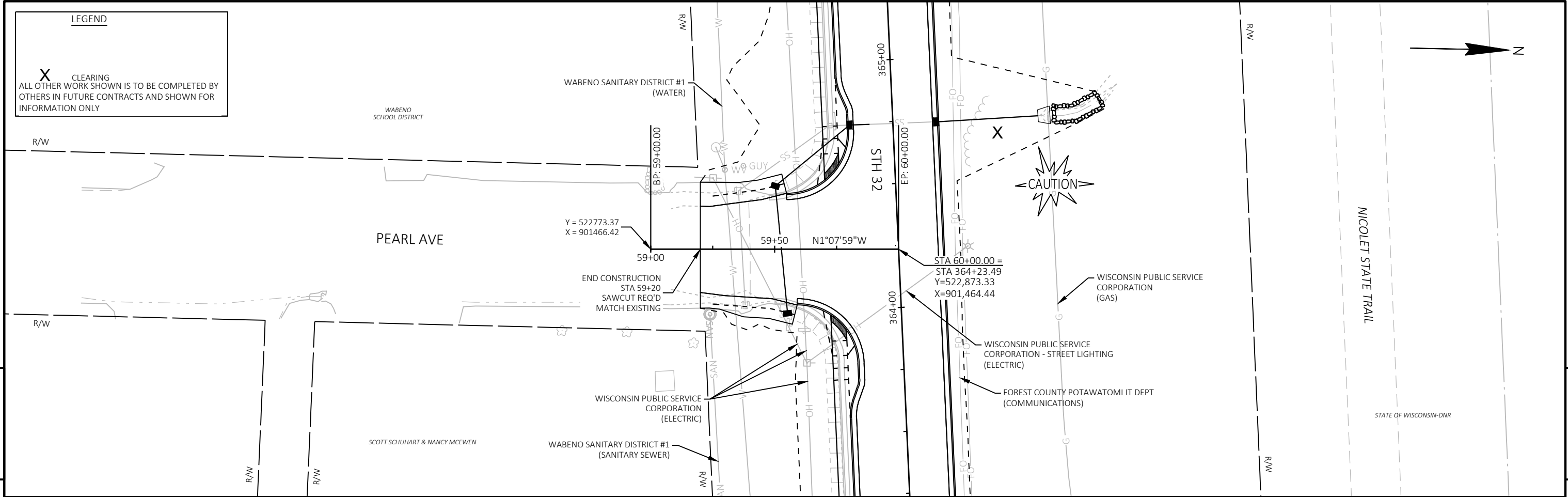




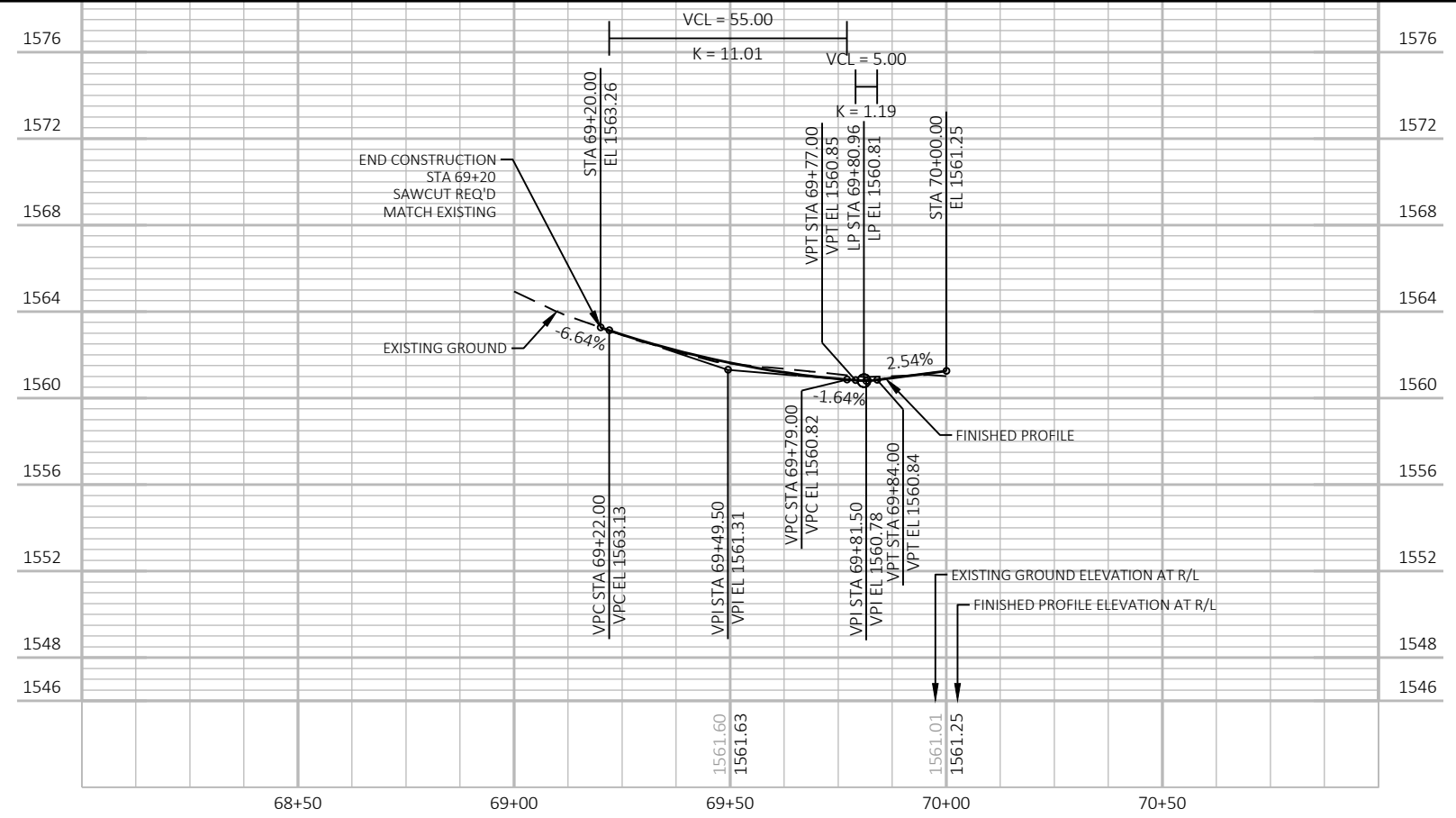
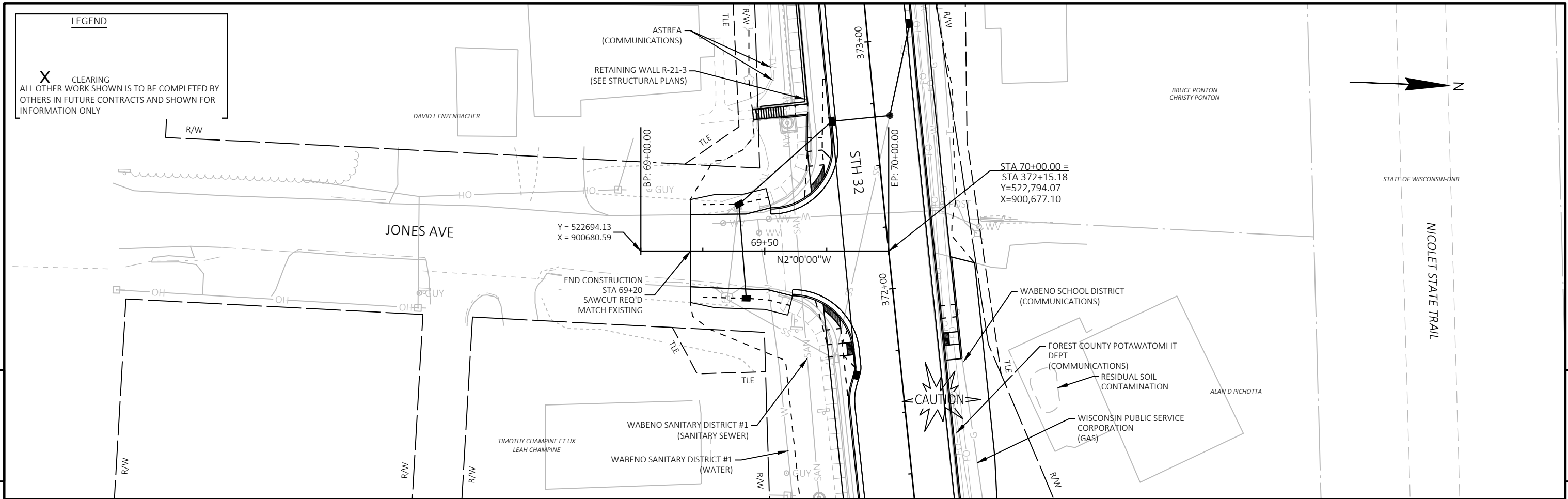
LEGEND
 X CLEARING
 ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
605	359+86.50, 40.20' LT	BM BENCHTIE IN POWERPOLE #45AA61	1567.56





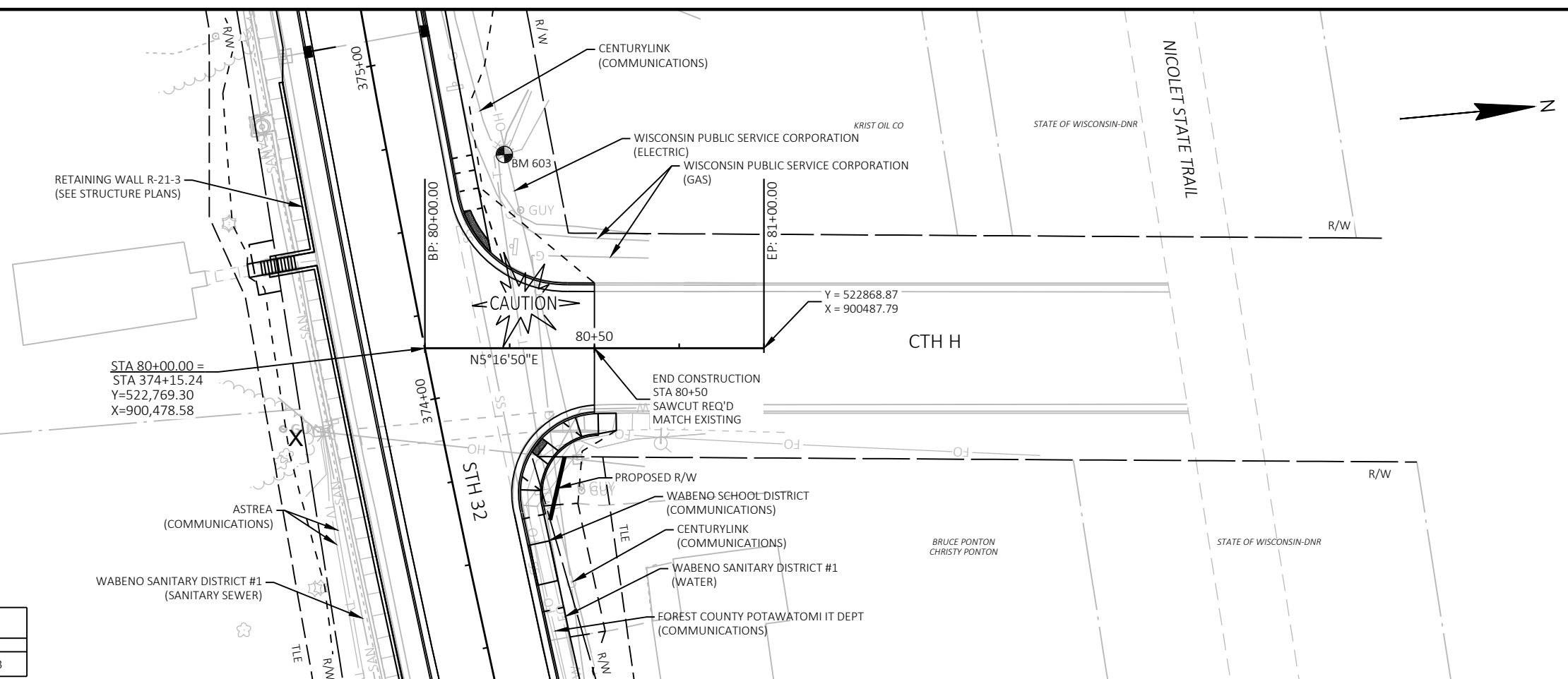
PROJECT NO: 1009-37-01 HWY: STH 32 COUNTY: FOREST PLAN AND PROFILE: PEARL AVE -- SITE 1 SHEET **E**



PROJECT NO: 1009-37-01 HWY: STH 32 COUNTY: FOREST PLAN AND PROFILE: JONES AVE -- SITE 1 SHEET E

LEGEND

X CLEARING
 ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY

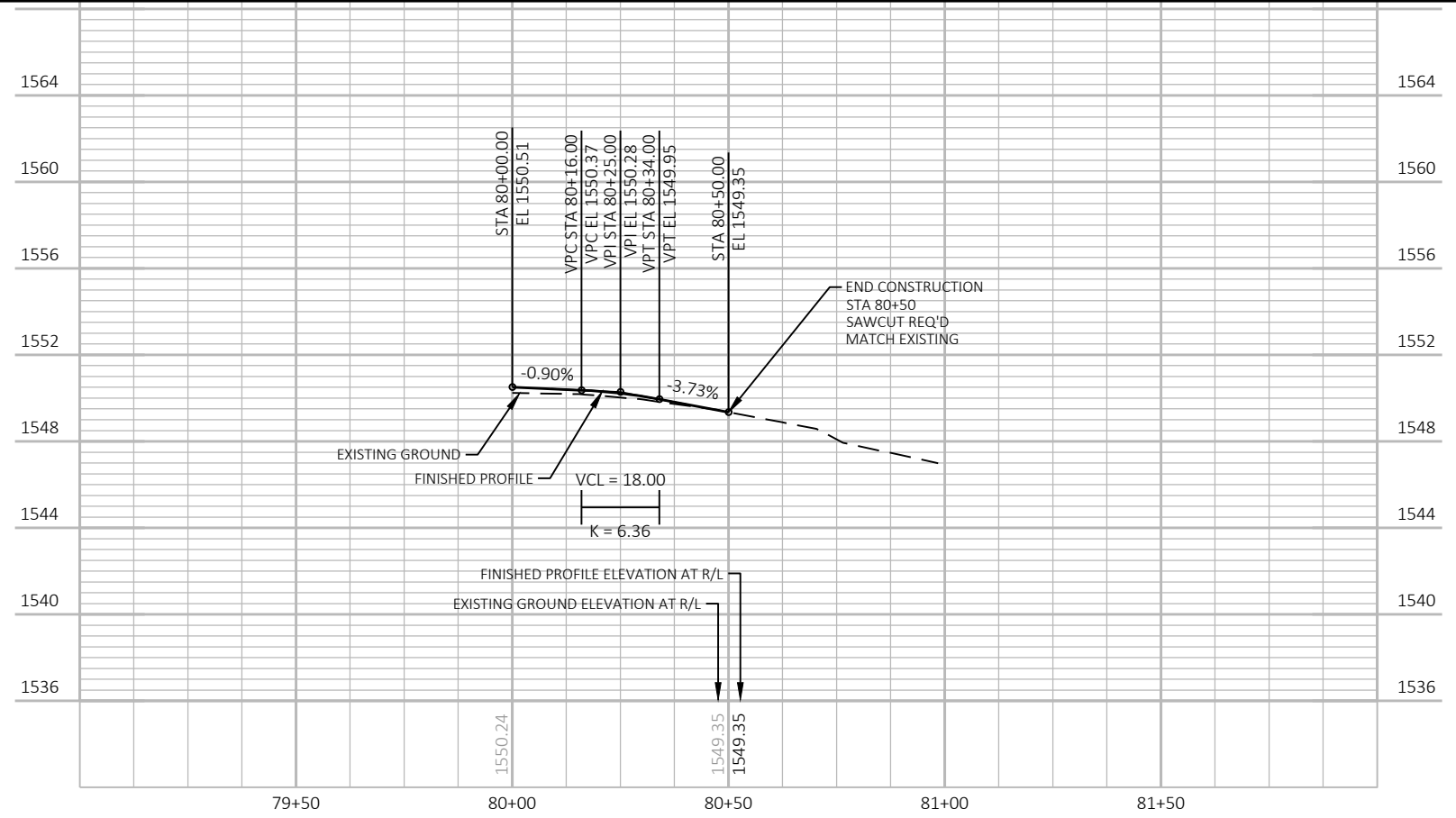


STA 80+00.00 =
 STA 374+15.24
 Y=522,769.30
 X=900,478.58

Y = 522868.87
 X = 900487.79

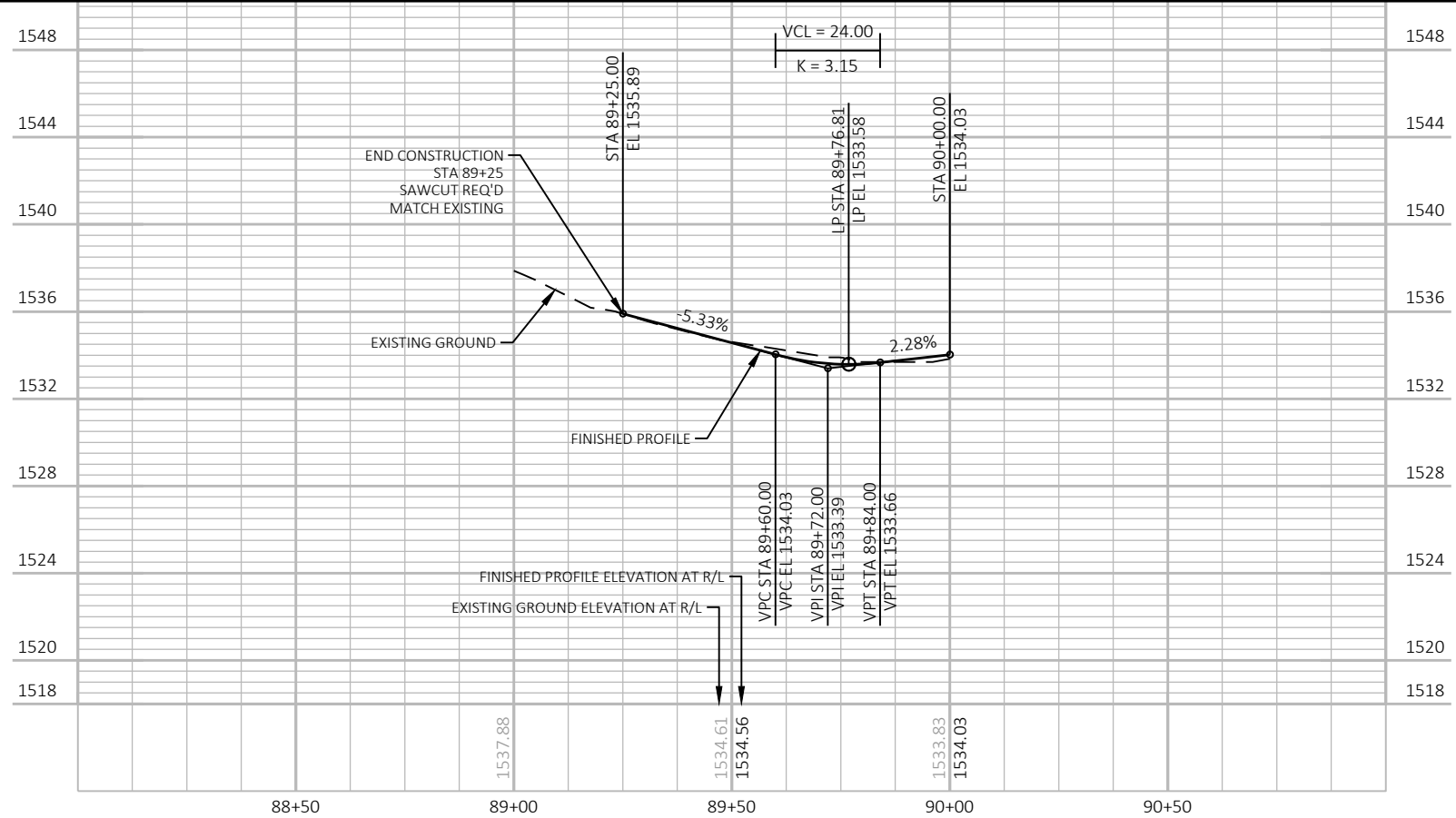
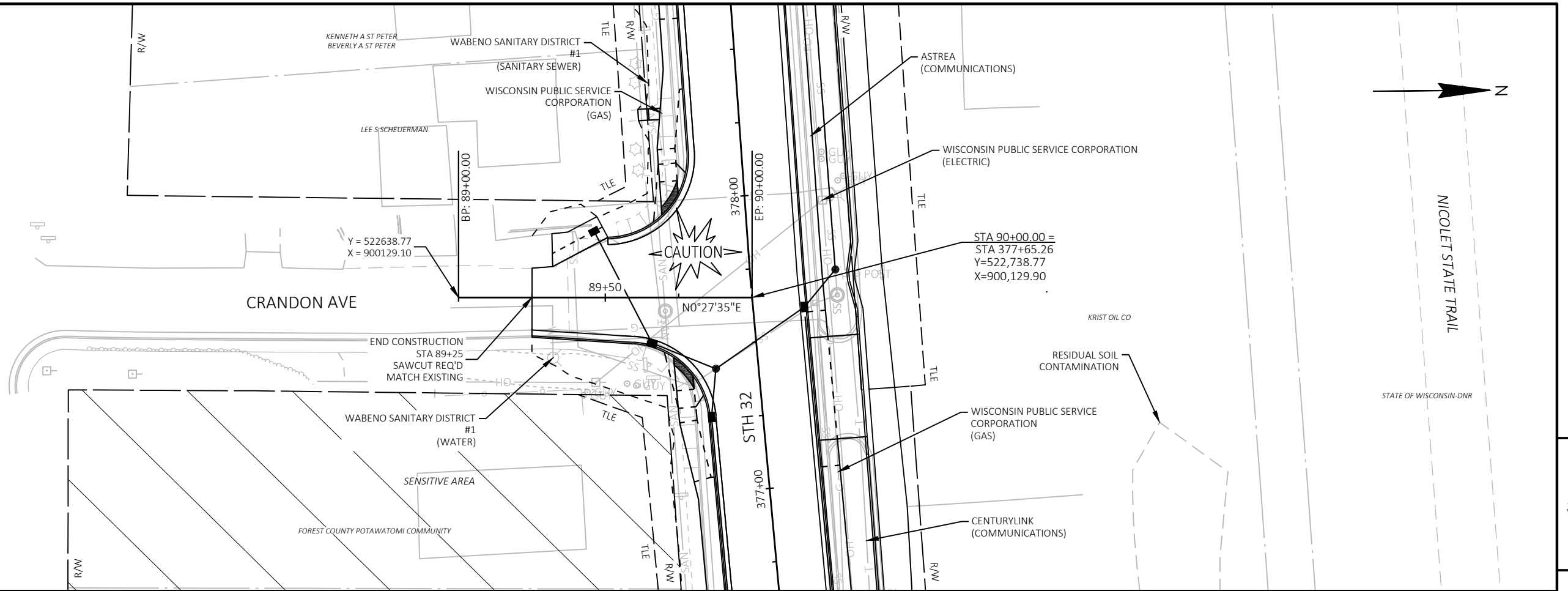
BENCH MARKS

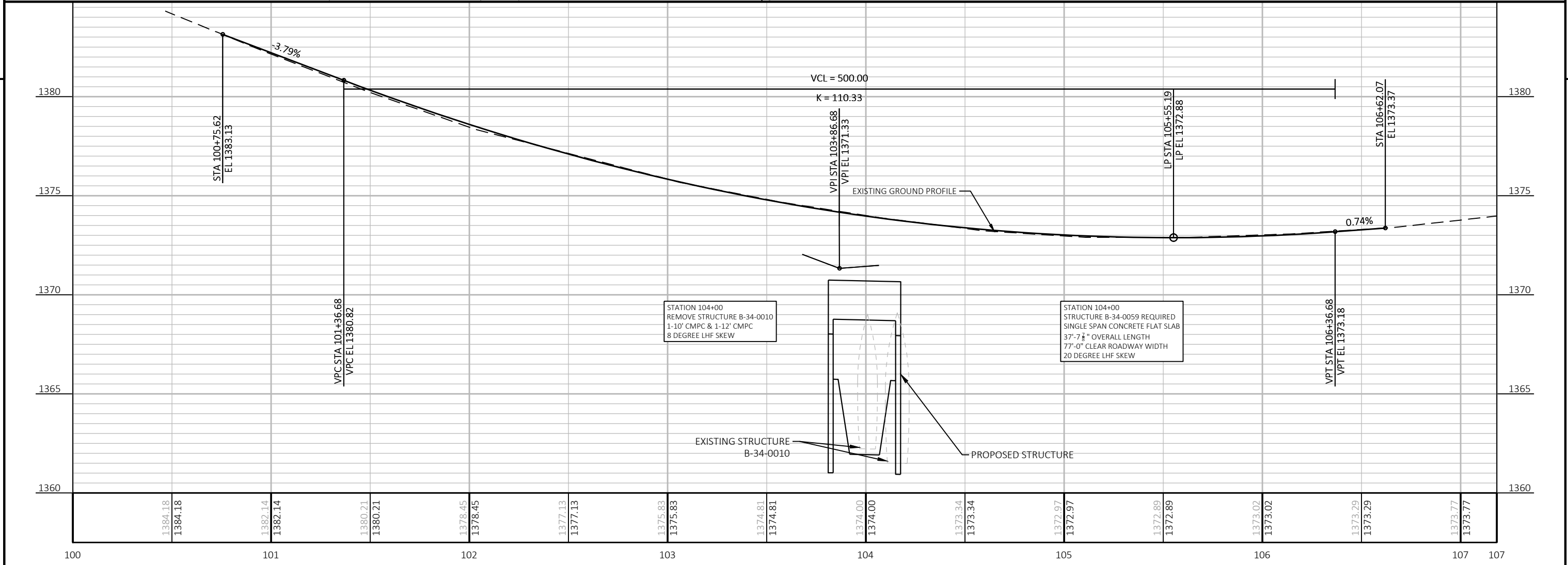
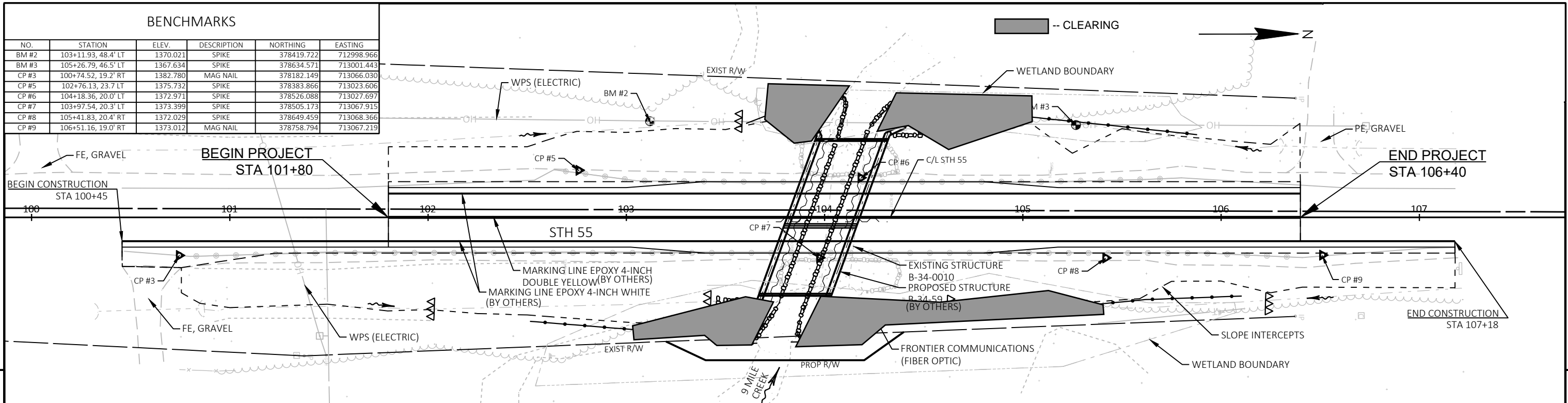
NO.	STATION	DESCRIPTION	ELEV.
603	374+67.00, 33.90' RT	BM BENCHTIE IN POWERPOLE #44E52	1548.23



LEGEND

X CLEARING
 ALL OTHER WORK SHOWN IS TO BE COMPLETED BY OTHERS IN FUTURE CONTRACTS AND SHOWN FOR INFORMATION ONLY





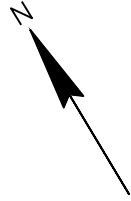
PROJECT NO: 1009-37-01 HWY: STH 55 COUNTY: LANGLADE PLAN AND PROFILE: STAGE 4, FINAL -- SITE 2 SHEET: 5

LEGEND

- - - DELINEATED WETLAND BOUNDARY
- - - SLOPE INTERCEPT
- X CLEARING

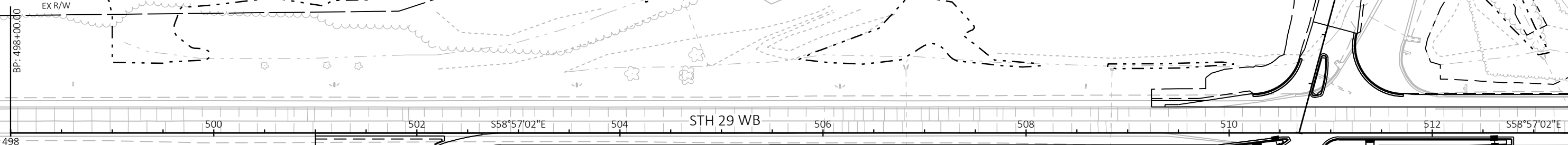
SHAWNO HIGH SCHOOL

BRADLEY R DRUEGER



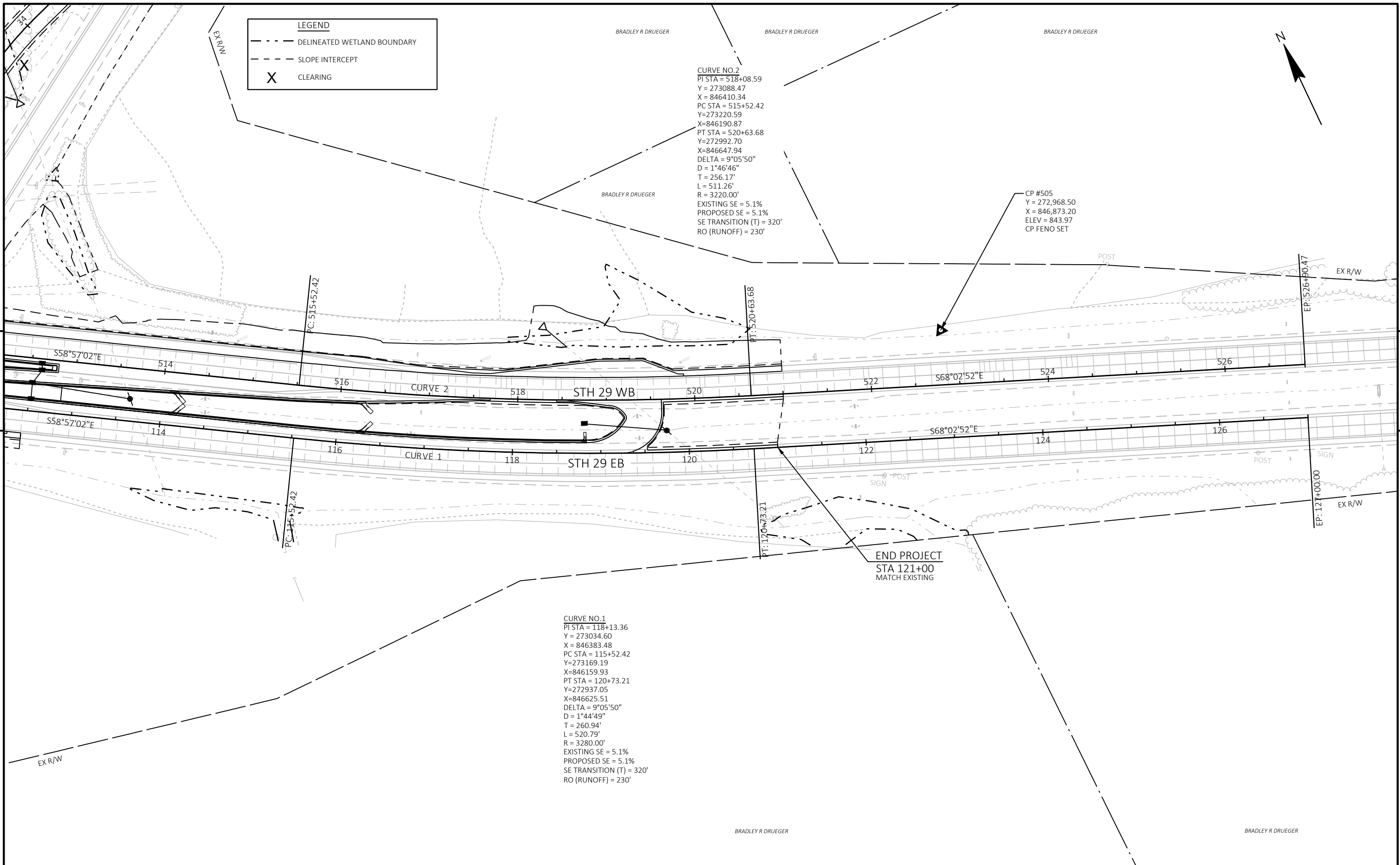
5

5



CP #508
 Y = 273,953.15
 X = 844,742.82
 ELEV = 851.55
 CP FENO SET

BEGIN PROJECT
 STA 101+00
 Y=273,918.315
 X=844,915.610



LEGEND

	DELINEATED WETLAND BOUNDARY
	SLOPE INTERCEPT
	CLEARING

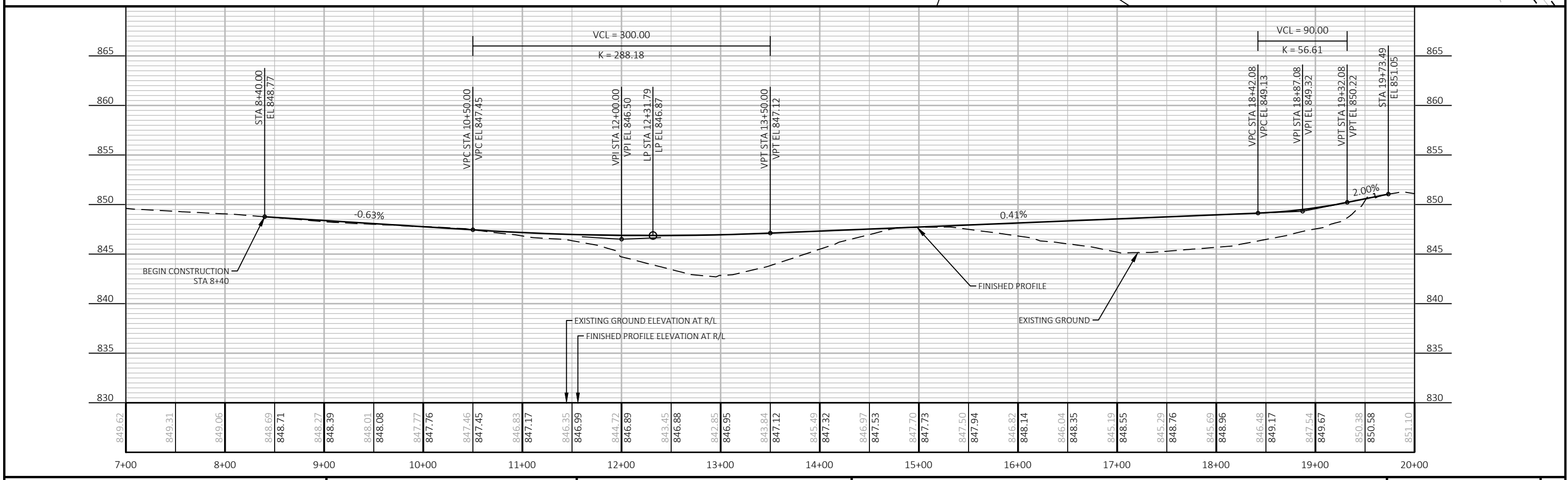
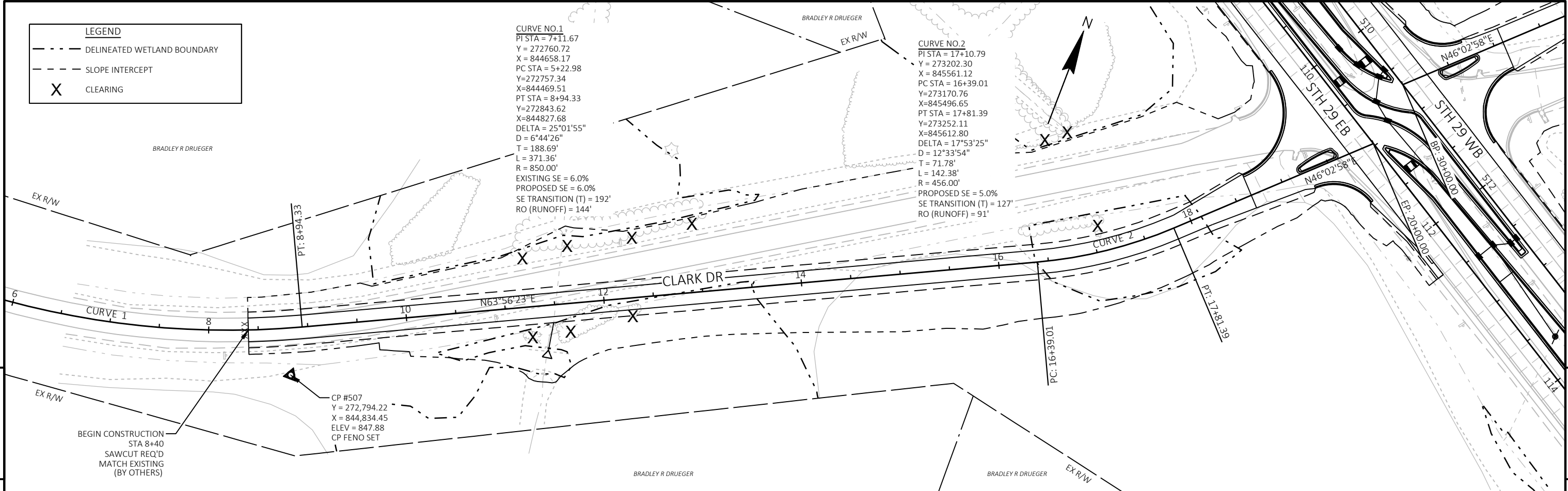
CURVE NO. 2
 PI STA = 518+08.59
 Y = 273088.47
 X = 846410.34
 PC STA = 515+52.42
 Y = 273220.59
 X = 846190.87
 PT STA = 520+63.68
 Y = 272992.70
 X = 846647.94
 DELTA = 9°05'50"
 D = 1°46'46"
 T = 256.17'
 L = 511.26'
 R = 3220.00'
 EXISTING SE = 5.1%
 PROPOSED SE = 5.1%
 SE TRANSITION (T) = 320'
 RO (RUNOFF) = 230'

CP #505
 Y = 272,968.50
 X = 846,873.20
 ELEV = 843.97
 CP FENO SET

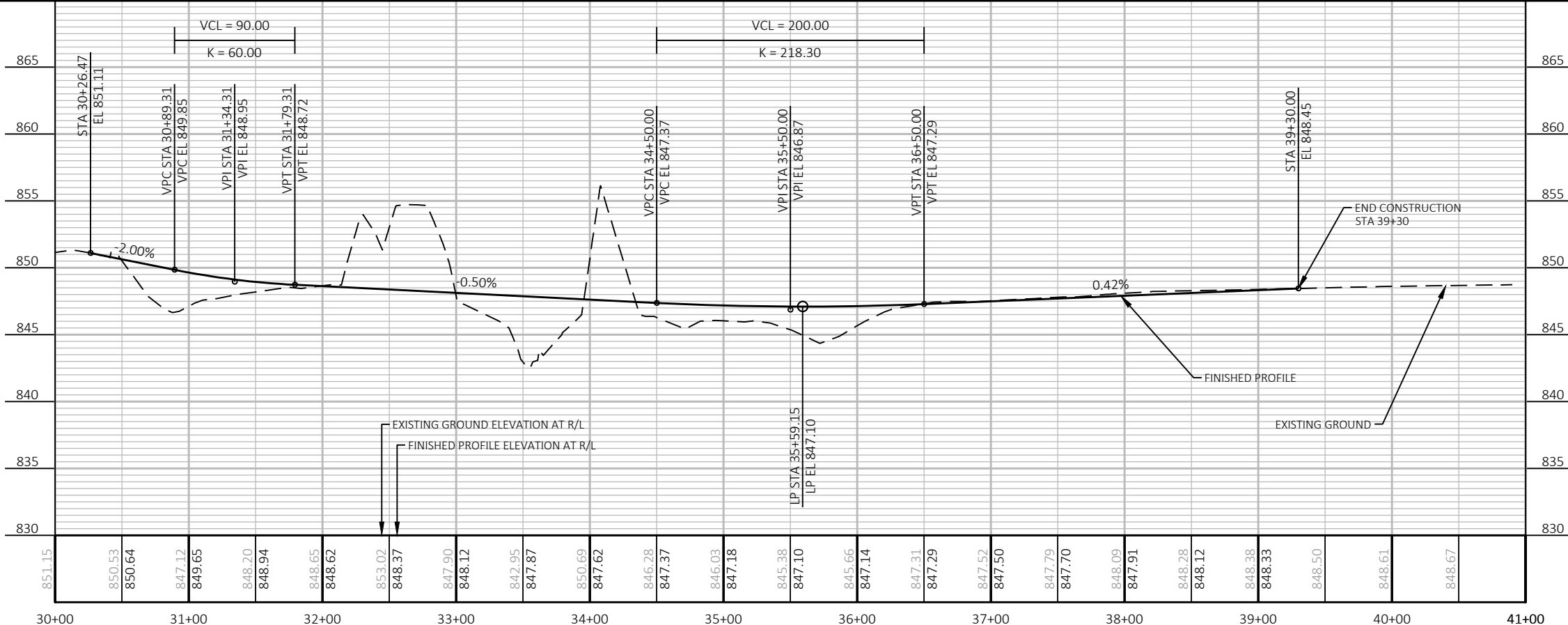
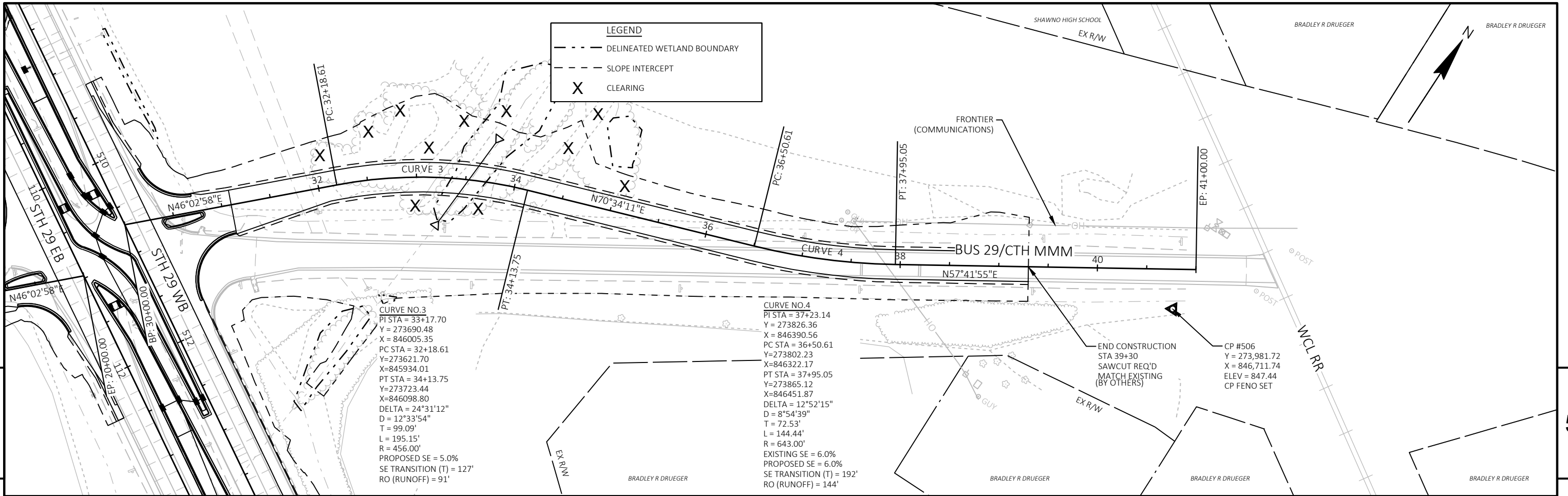
CURVE NO. 1
 PI STA = 118+13.36
 Y = 273034.60
 X = 846383.48
 PC STA = 115+52.42
 Y = 273169.19
 X = 846159.93
 PT STA = 120+73.21
 Y = 272937.05
 X = 846625.51
 DELTA = 9°05'50"
 D = 1°44'49"
 T = 260.94'
 L = 520.79'
 R = 3280.00'
 EXISTING SE = 5.1%
 PROPOSED SE = 5.1%
 SE TRANSITION (T) = 320'
 RO (RUNOFF) = 230'

END PROJECT
 STA 121+00
 MATCH EXISTING

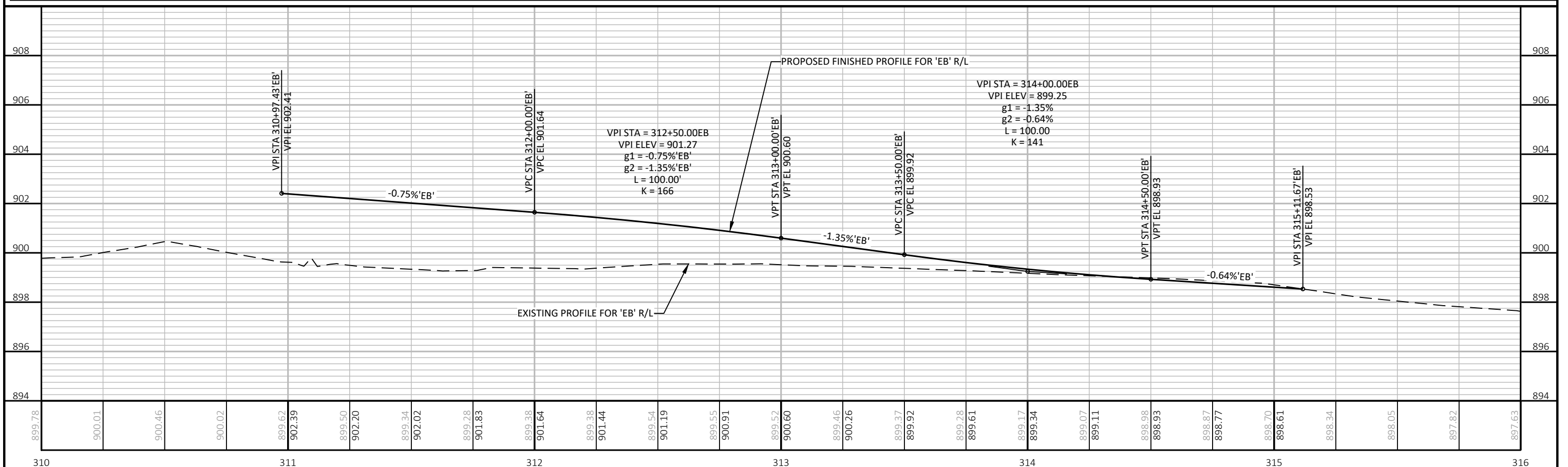
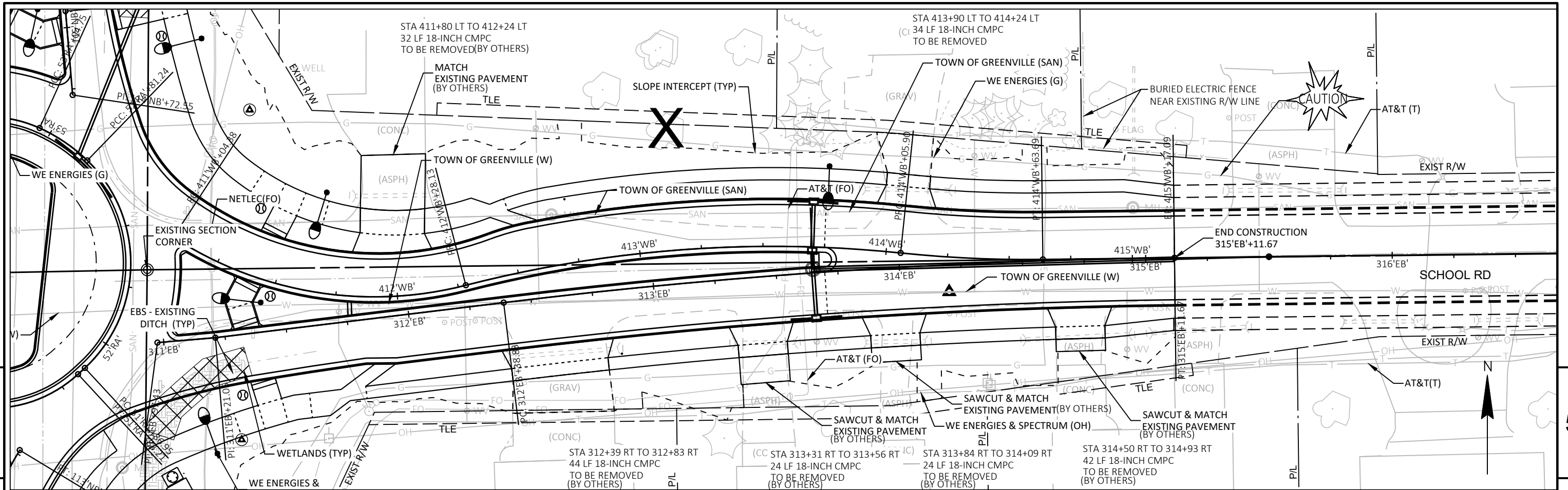
PROJECT NO: 1009-37-01	HWY: STH 29	COUNTY: SHAWANO	PLAN -- SITE 3	SHEET	E
------------------------	-------------	-----------------	----------------	-------	----------



PROJECT NO: 1009-37-01 HWY: STH 29 SHAWANO PLAN AND PROFILE: CLARK DR -- SITE 3 SHEET E



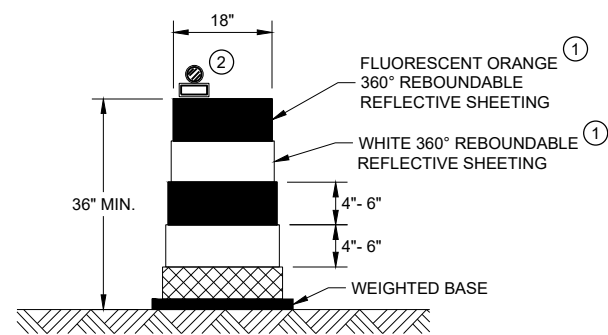
PROJECT NO: 1009-37-01 HWY: STH 29 SHAWANO PLAN AND PROFILE: BUS 29/CTH MMM -- SITE 3 SHEET E



PROJECT NO: 1009-37-01	HWY: STH 76	COUNTY: OUTAGAMIE	PLAN AND PROFILE: SCHOOL ROAD EAST EB -- SITE 8	SHEET E
------------------------	-------------	-------------------	---	---------

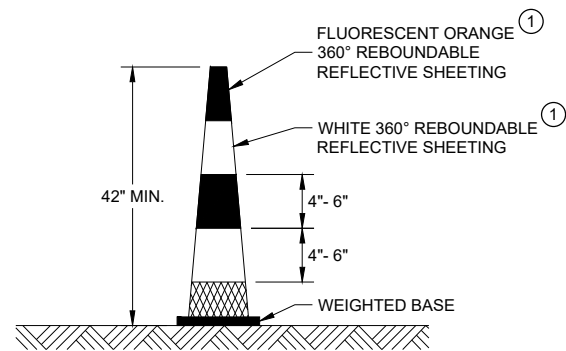
Standard Detail Drawing List

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



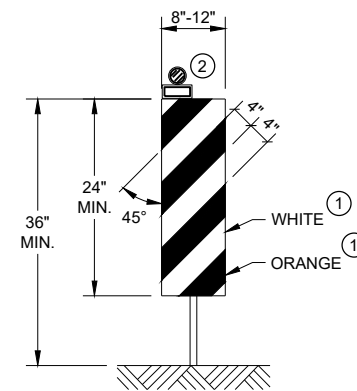
DRUM

BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

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

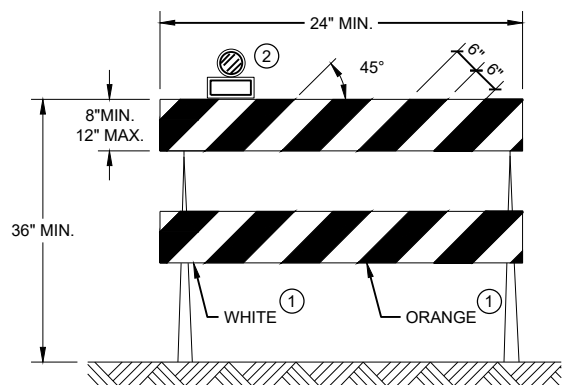


VERTICAL PANEL

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

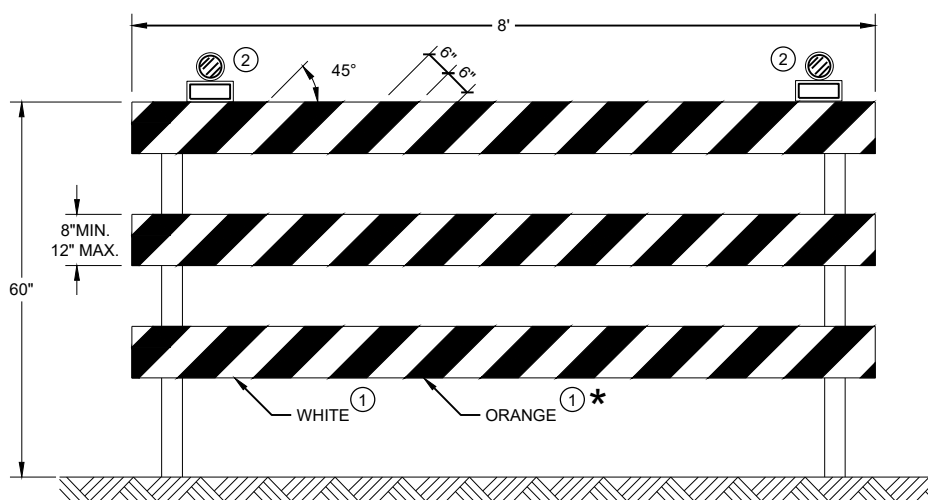
GENERAL NOTES

- 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.



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.






**CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022 /S/ Andrew Heidtke
DATE WORK ZONE ENGINEER

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.

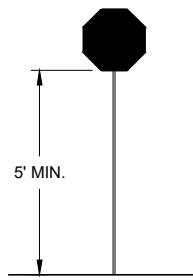
- ③ EACH TEMPORARY PORTABLE RUMBLE STRIP ARRAY CONSISTS OF THREE RUMBLE STRIPS PLACED TRANSVERSE ACROSS THE LANE AT THE LOCATIONS SHOWN. WITHIN EACH ARRAY, SPACING BETWEEN RUMBLE STRIPS SHALL BE 15 FEET ON CENTER

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.



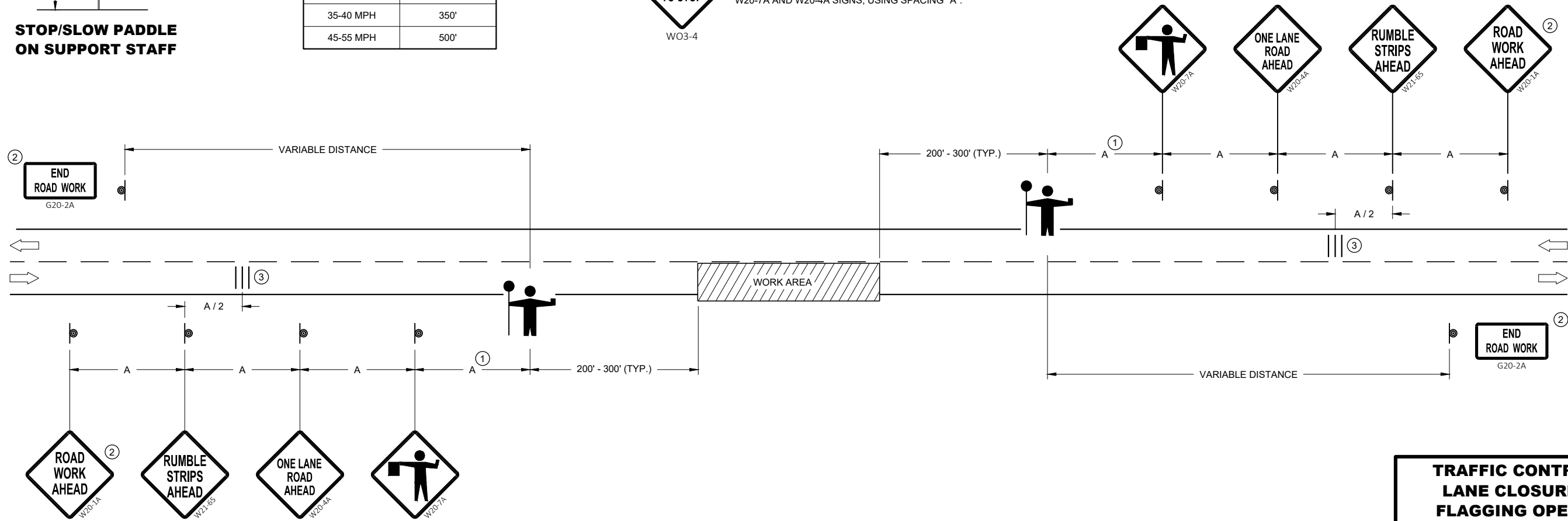
STOP/SLOW PADDLE ON SUPPORT STAFF

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".



6

6

SDD 15C12 - 09a

SDD 15C12 - 09a










TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED _____ /S/ Andrew Heidtke
DATE _____ WORK ZONE ENGINEER

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.

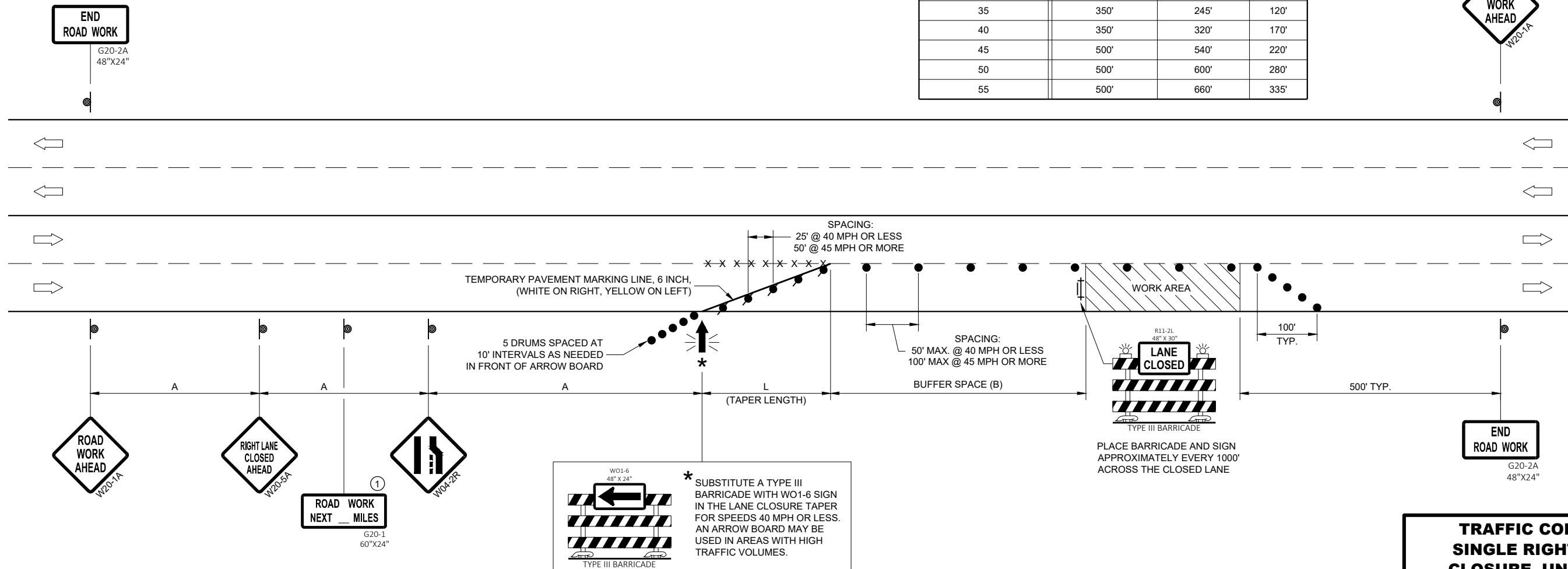
① OMIT G20-1 SIGNS IF LENGTH OF WORK AREA IS 2 MILES OR LESS.

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'



6

6



SDD 15D20-07b

SDD 15D20-07b

**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

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.

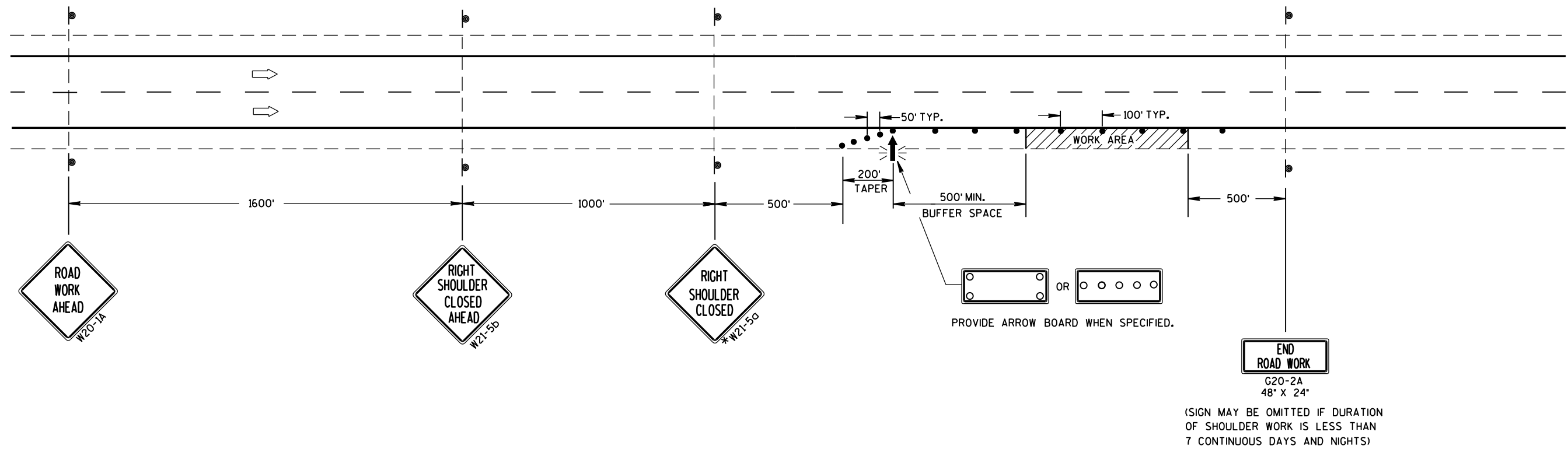
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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 W21-50 SIGN MAY BE OMITTED.

LEGEND





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



(SIGN MAY BE OMITTED IF DURATION OF SHOULDER WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS)

TRAFFIC CONTROL SHOULDER CLOSURE ON DIVIDED ROADWAY, SPEEDS GREATER THAN 40 MPH	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2016 DATE	/s/ Peter Amakobe Atepe STATEWIDE WORK ZONE TRAFFIC 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.

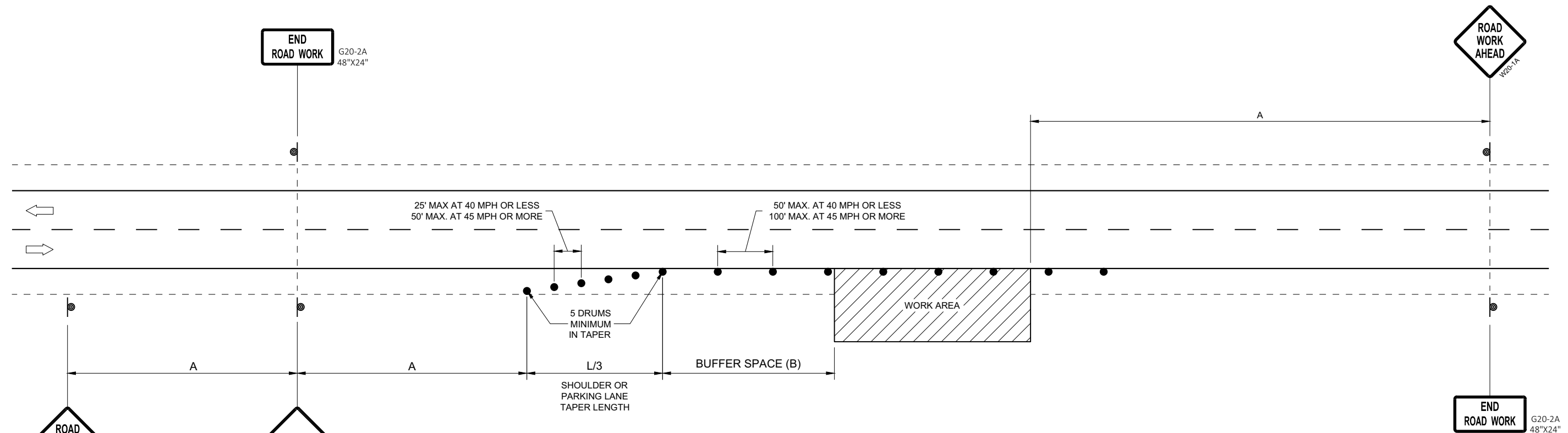
CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

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.

6

6



OR
IF TRAFFIC CONTROL DEVICES
ENCROACH ONTO TRAVELED WAY, USE

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 TRAFFIC
SAFETY ENGINEER

FHWA

SDD 15D28 - 04

SDD 15D28 - 04



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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