

PROJECT ID: 1440-15-72 & 73
WITH: N/A

COUNTY: FOND DU LAC

ORDER OF SHEETS		
Section No. 1	Title	
Section No. 2	Typical Sections and Details	
Section No. 3	Estimate of Quantities	
Section No. 3	Miscellaneous Quantities	
Section No. 4	Right of Way Plat	
Section No. 5	Plan and Profile	
Section No. 6	Standard Detail Drawings	
Section No. 7	Sign Plates	
Section No. 8	Structure Plans	
Section No. 9	Computer Earthwork Data	
Section No. 9	Cross Sections	

TOTAL SHEETS =



DESIGN DESIGNATION			
A.A.D.T. 2013	=	8000	
A.A.D.T. 2033	=	12300	
D.H.V. 2033	=	1488	
D.D.	=	60/40	
T.	=	25.7%	
DESIGN SPEED	=	70 MPH	
ESALS	=	5723200	

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	

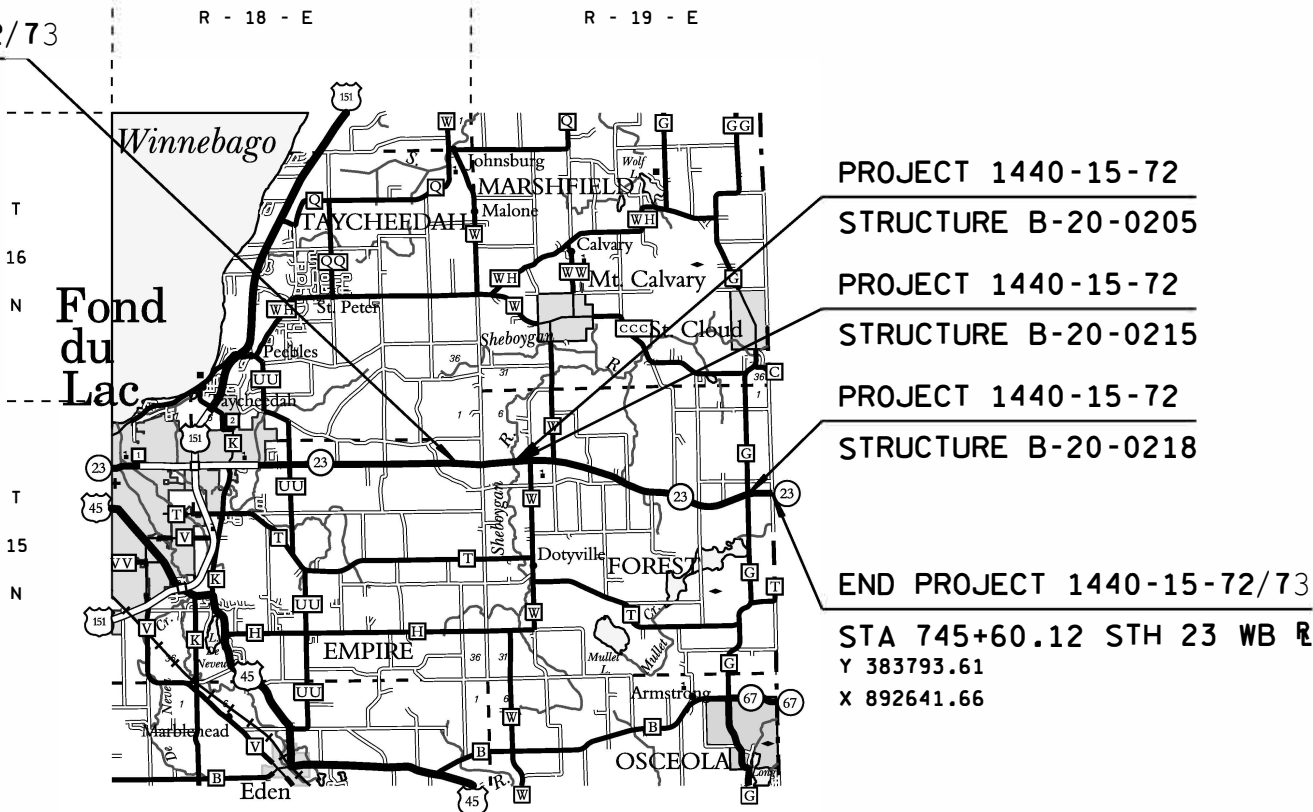
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
FOND DU LAC - PLYMOUTH
CTH K - ECL
STH 23
FOND DU LAC COUNTY

STATE PROJECT NUMBER
1440-15-72

STATE PROJECT NUMBER
1440-15-73

BEGIN PROJECT 1440-15-72/73

STA 384+00 STH 23 WB R
Y 387803.52
X 857688.97



PROJECT 1440-15-72
STRUCTURE B-20-0205
PROJECT 1440-15-72
STRUCTURE B-20-0215
PROJECT 1440-15-72
STRUCTURE B-20-0218

END PROJECT 1440-15-72/73
STA 745+60.12 STH 23 WB R
Y 383793.61
X 892641.66

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 9.27 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN
COUNTY COORDINATE SYSTEM (WCCS), NAD 83 (1991) FOND DU LAC COUNTY.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1440-15-72		
1440-14-73		

TRANS 220
PROJECT PLAN
FOR
DESIGN OF UTILITY FACILITY
ALTERATIONS OR RELOCATIONS

Date: March 1, 2019

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	E A DANKE
Designer	P W BRAUER
Project Manager	R J WAGNER
Regional Examiner	
Regional Supervisor	
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: (Signature)

E

GENERAL NOTES

ALL J-TURNS AND ASSOCIATED GORE AREAS WILL BE CONSTRUCTED WITH 5" OF HMA WITH 3-1/4" OF MT 58-28 S FOR THE LOWER LAYER AND 1-3/4" OF 4 MT 58-28 S FOR THE UPPER LAYER. ALL OVER 10" OF 1-1/4" OF BASE AGGREGATE DENSE.

BOTH RIGHT AND LEFT TURN LANES FOR SIDE ROADS/CROSSOVERS WILL BE CONSTRUCTED TO MATCH THE ADJACENT MAINLINE PAVEMENT STRUCTURE.

EROSION CONTROL ITEMS SHOWN ARE SUGGESTED LOCATIONS, THE EXACT LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

WEEPING SLOPES LOCATIONS SHOWN IN EROSION CONTROL PLAN, MAY NOT INCLUDE ALL DISCOVERED THOUGH OUT THE CONSTRUCTION PROJECT, ADDITIONAL LOCATIONS ARE AT THE DISCRETION OF THE ENGINEER IN THE FIELD.

TOPSOIL, SEED, FERTILIZER AND MULCH SHALL BE PLACED ON ALL EXPOSED DISTURBED AREAS THROUGH OUT THE PROJECT EXCEPT THE FUTURE ROADBED.

EXISTING SHEBOYGAN RIVER BRIDGE WILL BE EXEMPT FROM MILLING AND OVERLAY OF HMA PAVEMENT. THE NEW EASTBOUND LANES WILL NEED TO MATCH EXISTING BRIDGE ELEVATION ON BOTH SIDES OF BRIDGE.

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

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS. THIS ALSO INCLUDES VERIFICATION OF INVERT ELEVATIONS AT ALL PROPOSED CROSS PIPE CONNECTION POINTS TO EXISTING CROSS PIPES.

THE EXACT LOCATION OF PRIVATE AND FILED ENTRANCES ARE TO BE DETERMINED IN THE BY THE ENGINEER.

INLET GRATE ELEVATION REFERRED TO AS "RIM/PAVEMENT ELEVATIONS" ARE TO THE EDGE OF PAVEMENT TO (TO THE FLANGE OF THE CURB)

EXISTING PAVEMENT WILL BE MILLED 2" AND PAVED 4" HMA BY OTHERS UNDER A FUTURE PROJECT. (UNLESS OTHERWISE NOTED IN THE PLAN)

ADJACENT TURN LANES WILL BE OVERLAID WITH 2" UNDER THAT PROJECT.

DNR AREA LIAISON

JAY SCHIEFELBEIN
DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
920-360-3784
JEREMIAH.SCHIEFELBEIN@WISCONSIN.GOV

UTILITIES

COUNTY SURVEYOR OR SURVEYS CONTACT PERSON

PETER KUEN - FOND DU LAC COUNTY
301 DIXIE STREET
FOND DU LAC, WI 54936
920-929-3492
peter.kuen@fdlco.wi.gov

DIGGERSHOTLINE

Dial 811 or (800)242-8511

www.DiggersHotline.com

EMERGENCY CONTACT NUMBERS FOR WISCONSIN POWER AND LIGHT COMPANY

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-862-6261
GAS 24 HOUR EMERGENCY SERVICE: 1-800-862-6263

EMERGENCY CONTACT NUMBERS FOR WISCONSIN PUBLIC SERVICE

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-450-7240
GAS 24 HOUR EMERGENCY SERVICE: 1-800-450-7280

EMERGENCY CONTACT NUMBERS FOR WE ENERGIES

ELECTRIC 24 HOUR EMERGENCY SERVICE: 1-800-662-4797
GAS 24 HOUR EMERGENCY SERVICE: 1-800-261-5325

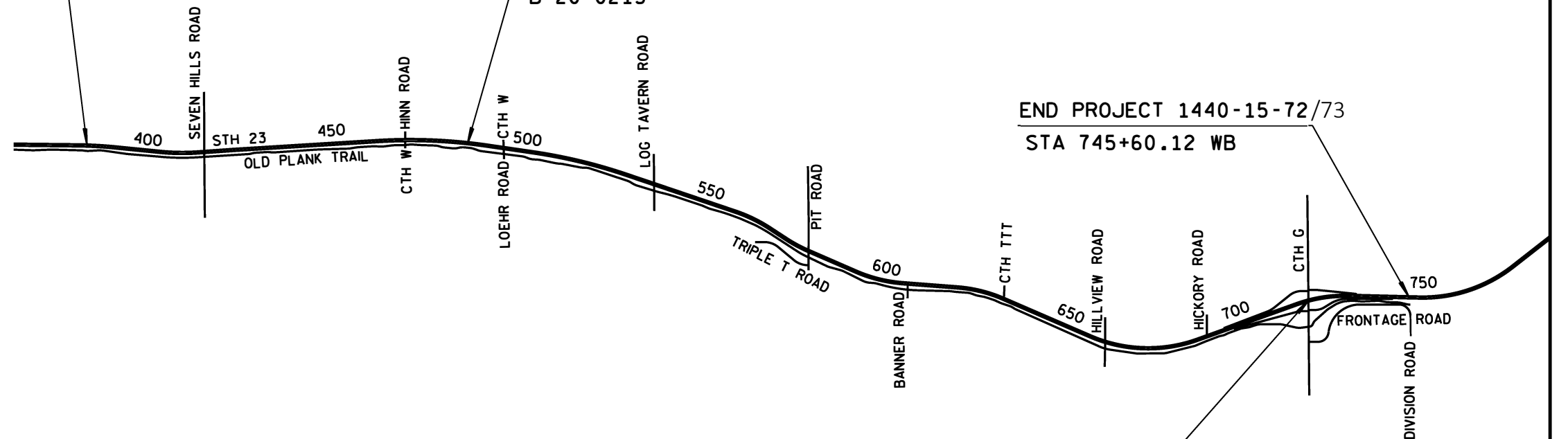


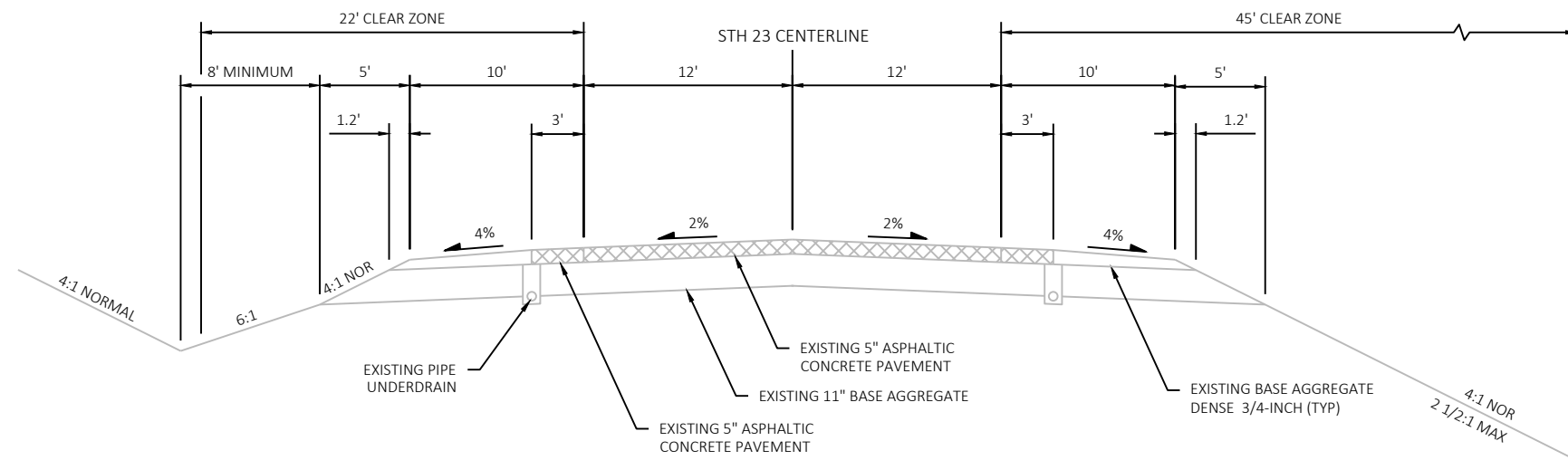
BEGIN PROJECT 1440-15-72/73
STA 384+00.00 WB

STRUCTURES
B-20-0205 &
B-20-0215

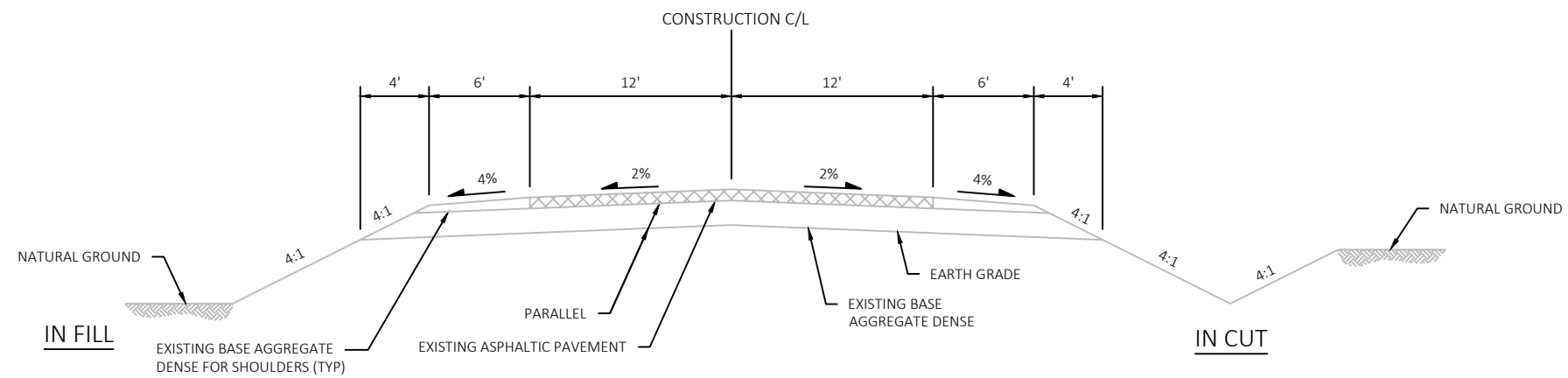
END PROJECT 1440-15-72/73
STA 745+60.12 WB

STRUCTURE
B-20-0218

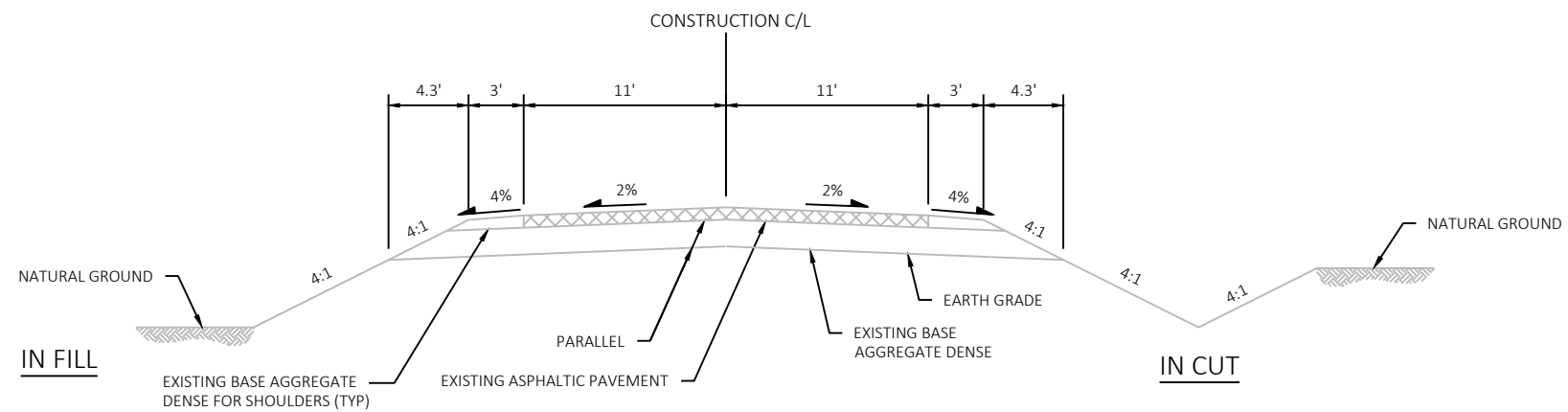




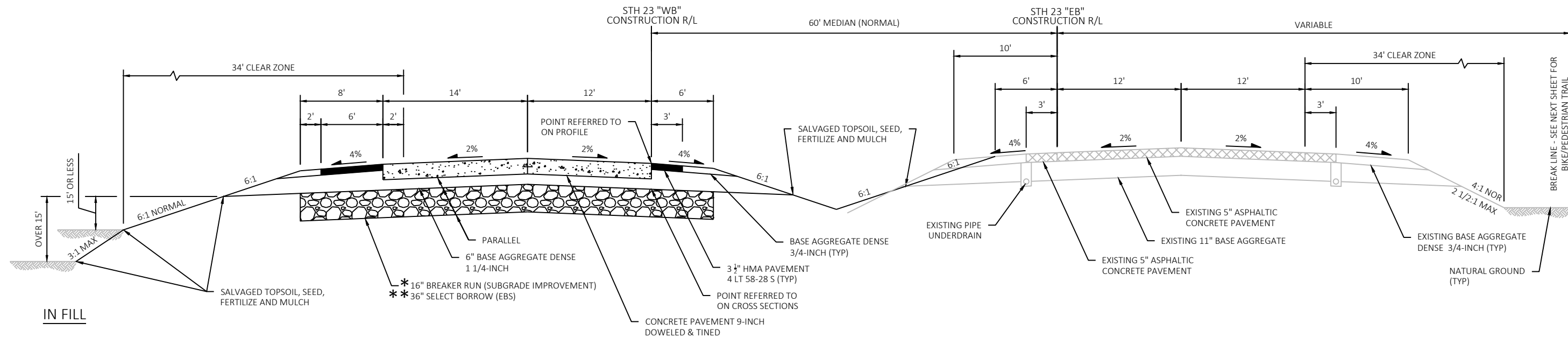
TYPICAL EXISTING CROSS SECTION FOR STH 23
FOND DU LAC COUNTY



TYPICAL EXISTING CROSS SECTION
COUNTY TRUNK HIGHWAYS



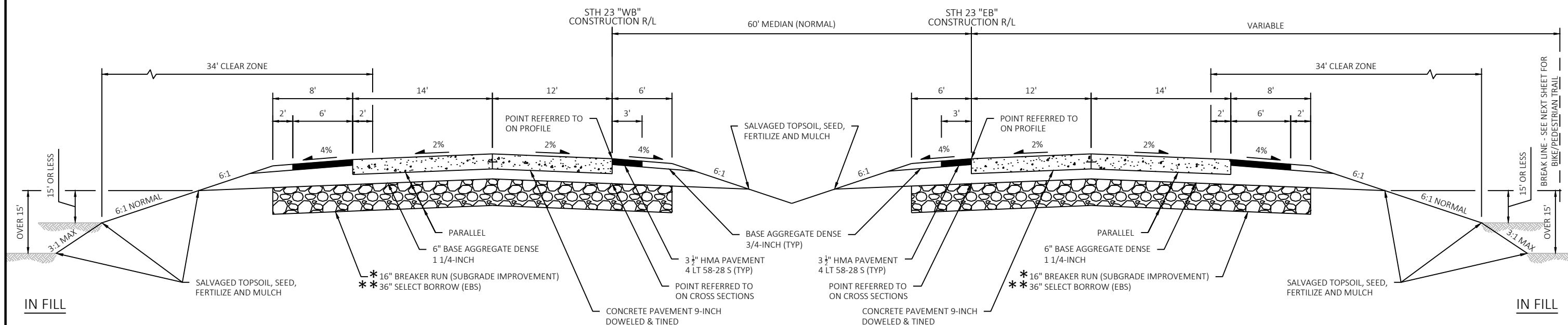
TYPICAL EXISTING CROSS SECTION
TOWN ROADS



TYPICAL FINISHED CROSS SECTION FOR STH 23

2-LANE CONSTRUCTION
STA 384'WB'+00.00 TO STA 399'WB'+70.00
STA 425'WB'+89.00 TO STA 461'WB'+36.07

- * SEE PLAN & PROFILE STH 23 WESTBOUND LOCATIONS
- ** SEE "EXCAVATION BELOW SUBGRADE DETAIL" FOR LOCATIONS



TYPICAL FINISHED CROSS SECTION FOR STH 23

4-LANE CONSTRUCTION
STA 399'WB'+70.00 TO 425'WB'+89.00
STA 461'WB'+36.07 TO STA 511'WB'+32.00

- * SEE PLAN & PROFILE STH 23 WESTBOUND AND STH 23 EASTBOUND FOR LOCATIONS
- ** SEE "EXCAVATION BELOW SUBGRADE DETAIL" FOR LOCATIONS

PROJECT NO: 1440-15-72/73

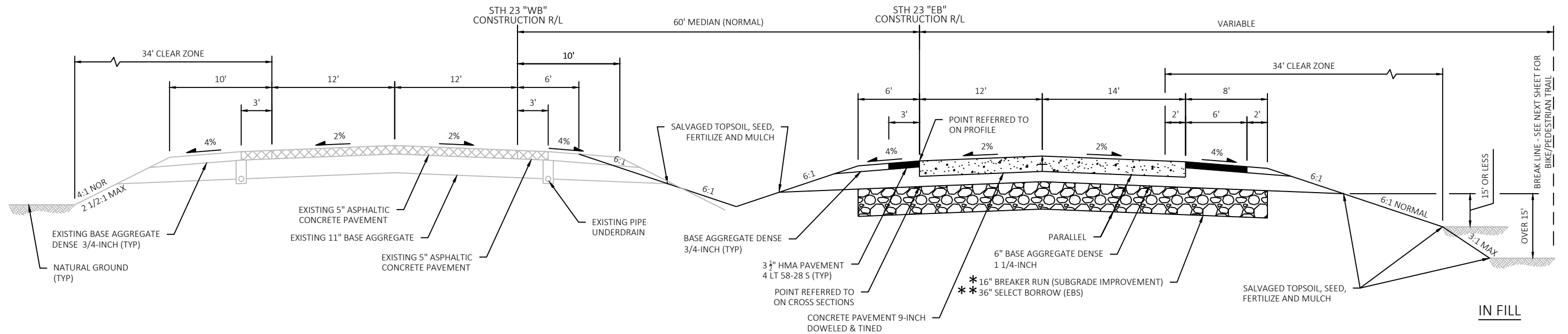
HWY: STH 23

COUNTY: FOND DU LAC

FINISHED TYPICAL SECTIONS

SHEET

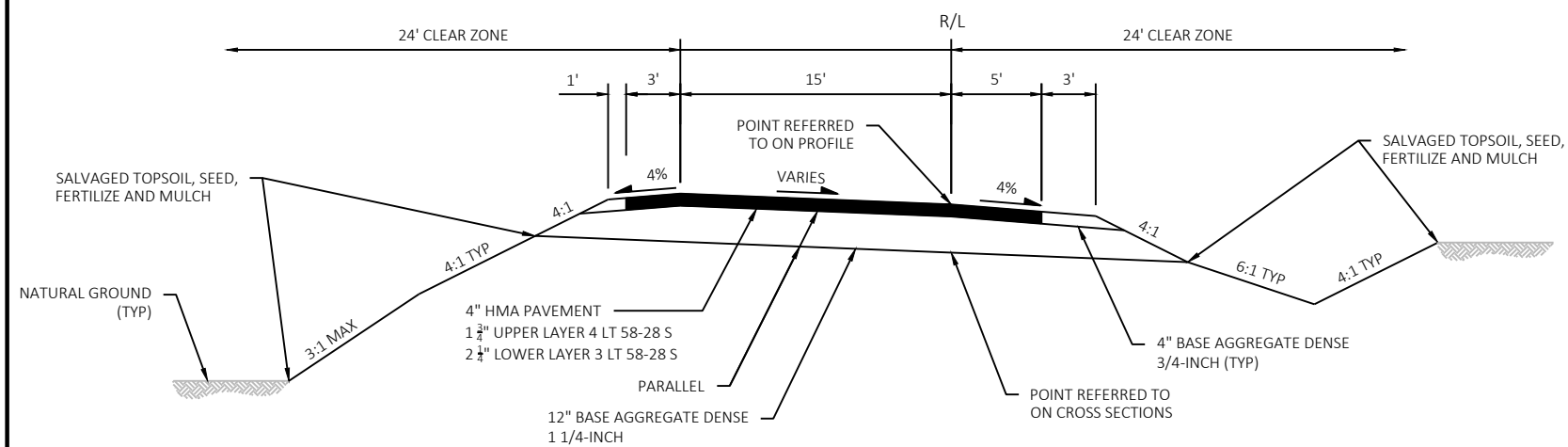
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TYPICAL FINISHED CROSS SECTION FOR STH 23

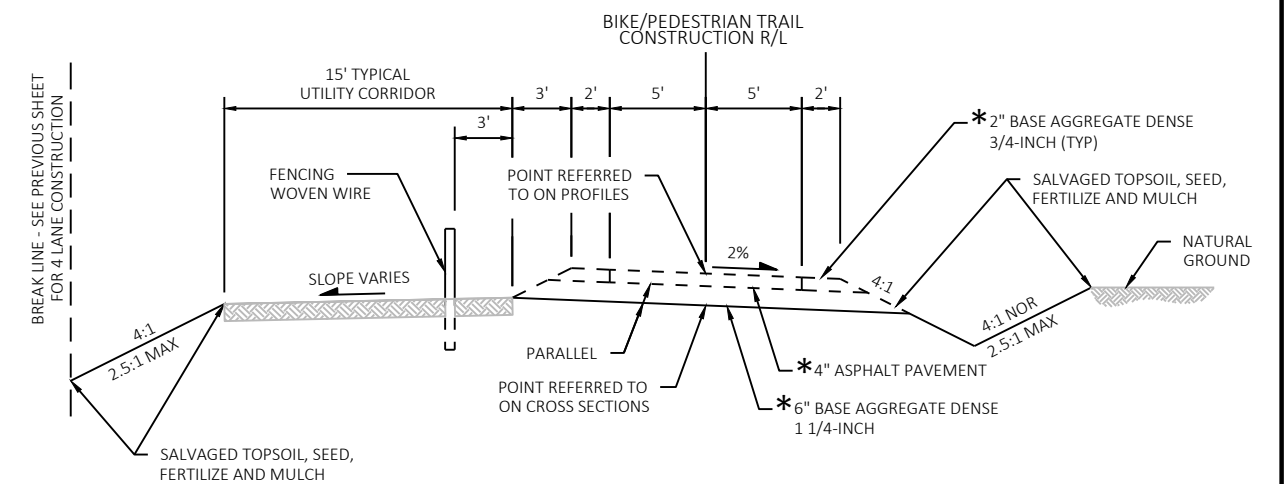
2-LANE CONSTRUCTION
STA 511'WB'+32.00 TO STA 745'WB'+60.12

- * SEE PLAN & PROFILE STH 23 EASTBOUND FOR LOCATIONS
- ** SEE "EXCAVATION BELOW SUBGRADE DETAIL" FOR LOCATIONS



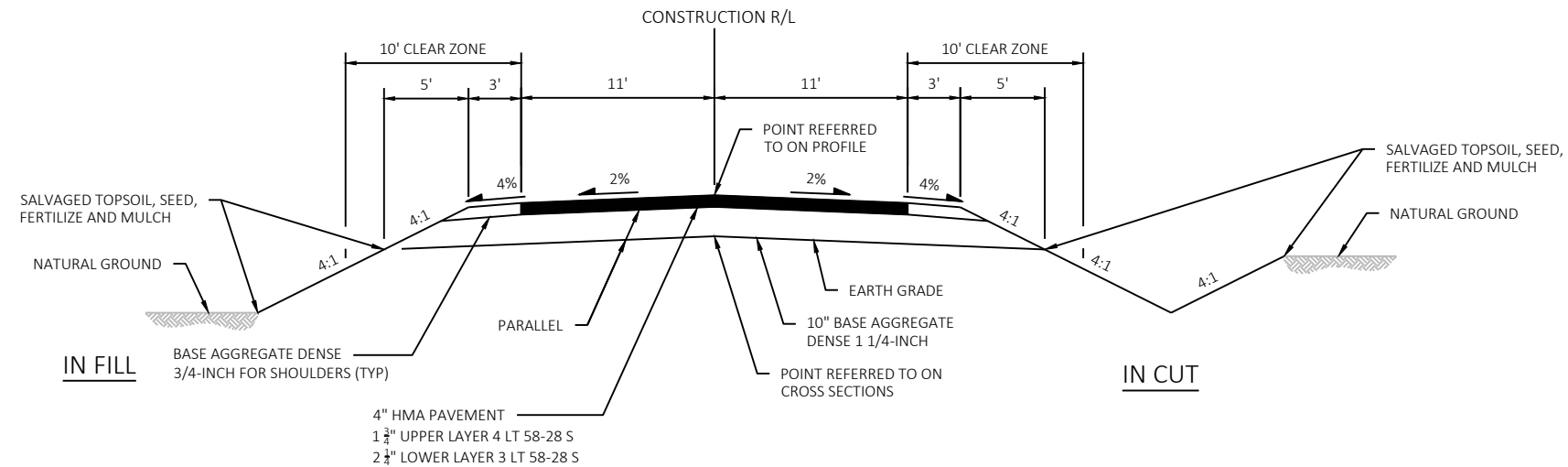
TYPICAL FINISHED CROSS SECTION FOR CTH G RAMP

NW RAMP (STA 690+28 TO STA 718+31)
NE RAMP (STA 724+75 TO STA 730+95)
SW RAMP (STA 695+52 TO STA 712+97)
SE RAMP (STA 719+45 TO STA 743+72)



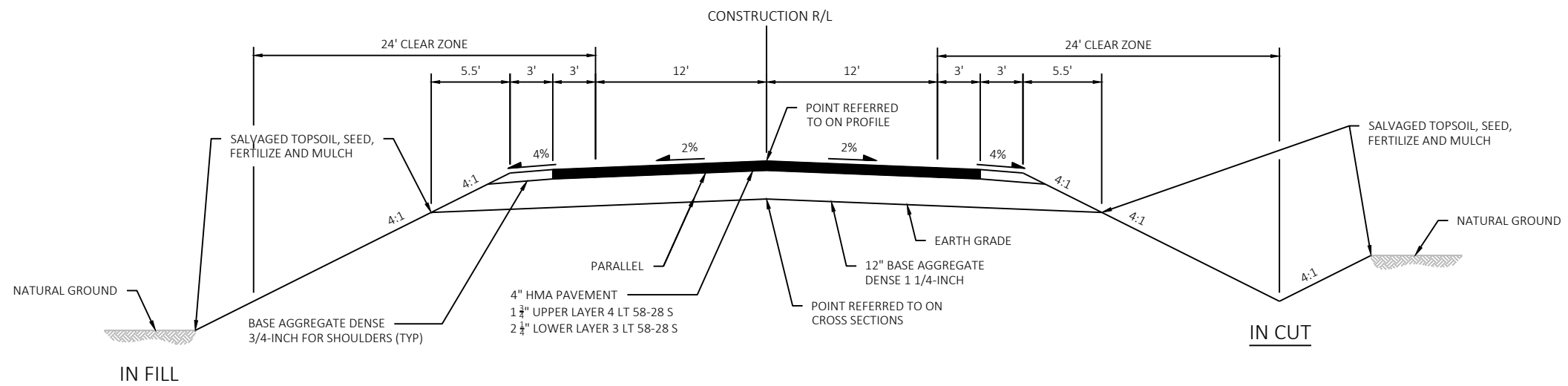
TYPICAL FINISHED CROSS SECTION FOR BIKE/PEDESTRIAN TRAIL

STA 384'WB'+00 TO STA 745'WB'+60.12
* BY OTHERS



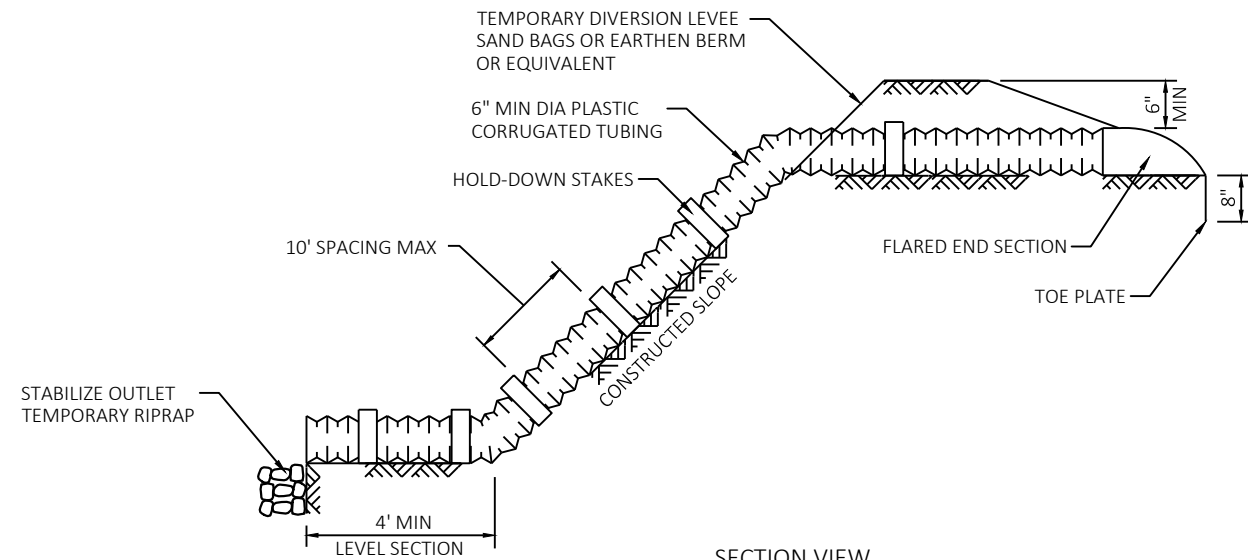
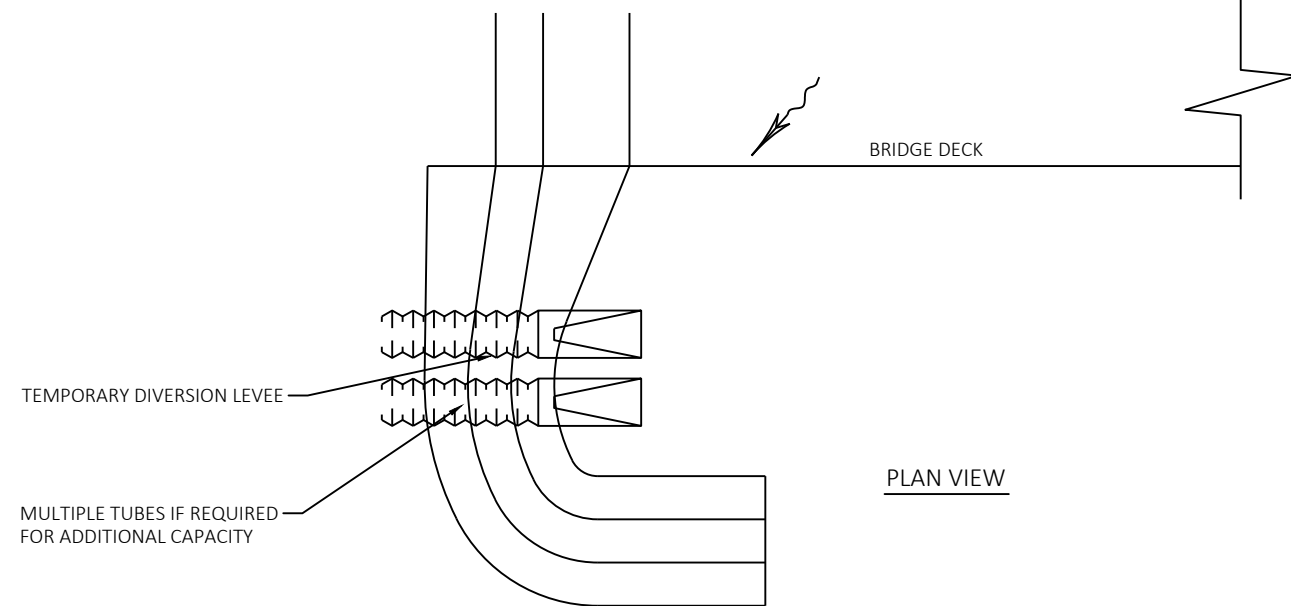
TYPICAL FINISHED CROSS SECTION FOR SIDE ROADS

SEVEN HILLS ROAD
LOG TAVERN ROAD CUL DE SAC
POPLAR ROAD
BANNER ROAD CUL DE SAC
HICKORY ROAD CUL DE SAC
FRONTAGE ROAD
DIVISION ROAD
TRIPLE T ROAD (SOUTH)
TRIPLE T ROAD (NORTH)
LOEHR ROAD
PIT ROAD
HILLVIEW ROAD
HINN ROAD



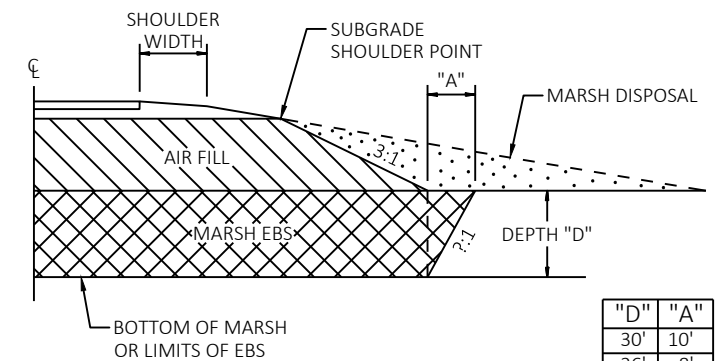
TYPICAL FINISHED CROSS SECTION FOR SIDE ROADS

CTH W
CTH G



NOTES:

1. TEMPORARY LEVEE SHALL BE CONSTRUCTED FROM EARTHEN BERM, SAND BAGS, OR OTHER EQUIVALENT MATERIAL TO TEMPORARILY DIVERT WATER ALONG THE TOP OF SLOPE.
2. CONDUIT MATERIAL SHALL BE HEAVY DUTY FLEXIBLE MATERIAL SUCH AS NON-PERFORATED CORRUGATED PLASTIC TUBING OR SPECIALLY DESIGNED FLEXIBLE TUBING.
3. THE FLARED END SECTION AT THE INLET SHALL BE WATER-TIGHT WITH HAND COMPACTED MATERIAL AROUND THE PIPE AND END SECTION.
4. THE SOIL MATERIAL AROUND THE PIPE SHALL BE COMPACTED IN 6" LIFTS TO FILL ALL VOIDS IN THE TUBING CORRUGATIONS.
5. REMOVE TEMPORARY DRAINS AND TEMPORARY LEVEES AFTER SLOPE IS FULLY STABILIZED WITH VEGETATION AND EROSION CONTROL FEATURES.
6. TEMPORARY OUTLET STABILIZATION SUCH AS RIPRAP OR OTHER APPROVED METHOD IS INCIDENTAL TO THE TEMPORARY SLOPE DRAIN ITEM.

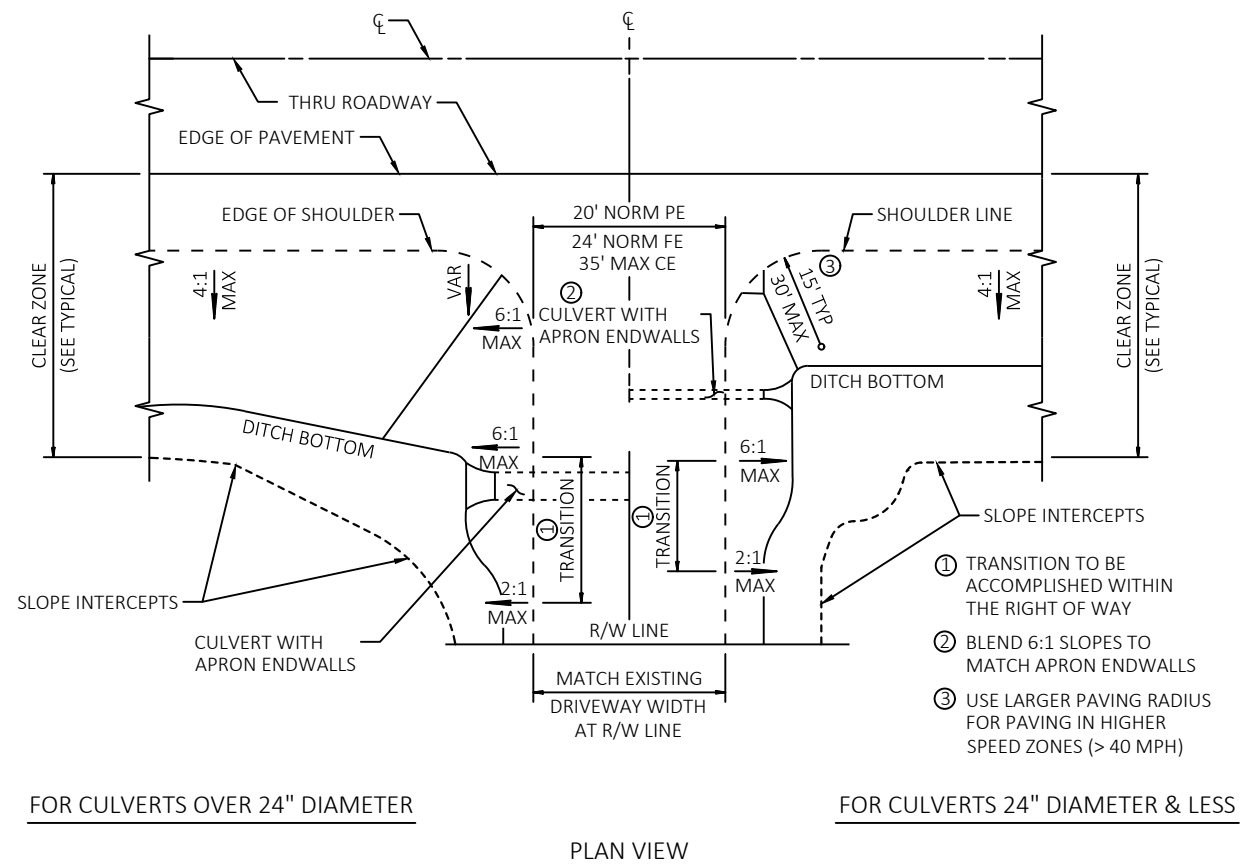
TEMPORARY SLOPE DRAIN DETAIL

"D" = DEPTH OF MARSH EXCAVATION
"A" = DISTANCE OFFSET OUTSIDE SLOPE INTERCEPT

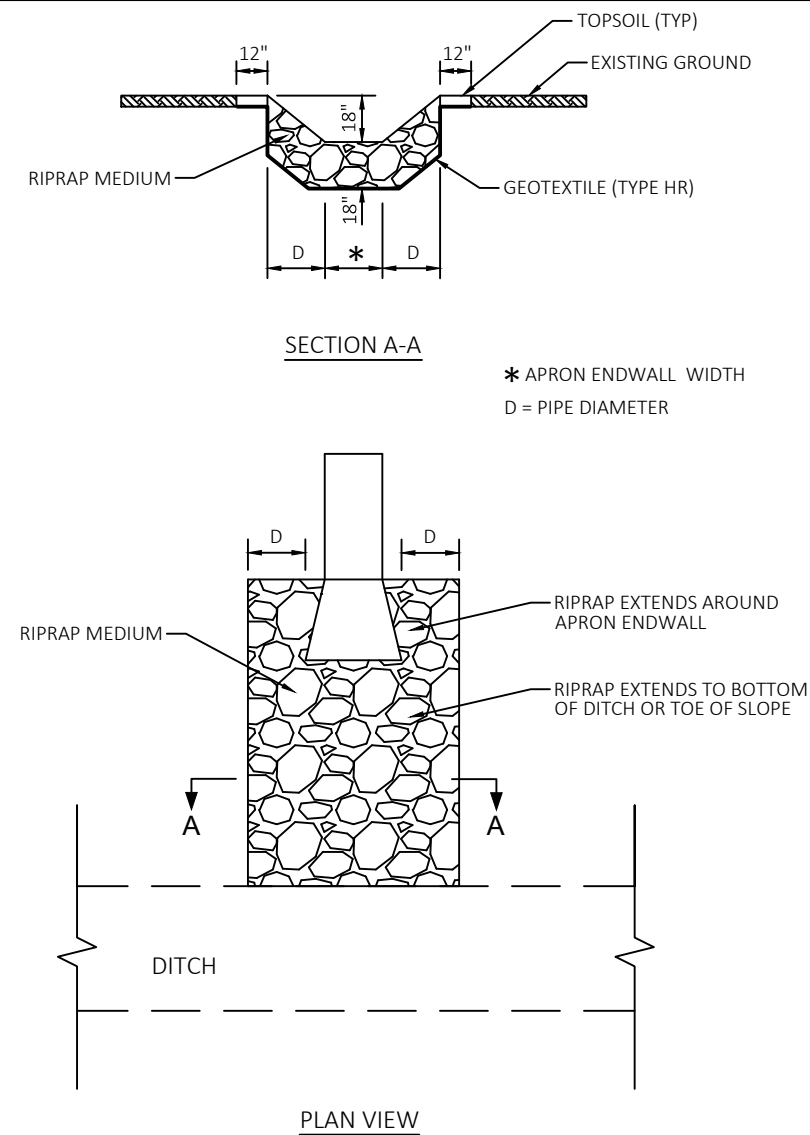
NOTE:
LIMIT OF MARSH EXCAVATION SHOULD EXTEND TO SLOPE INTERCEPT AS A MINIMUM. FOR MARSH DEPTHS GREATER THAN 10-FT SEE TABLE FOR DISTANCE OFFSET.

"D"	"A"
30'	10'
26'	8'
22'	6'
18'	4'
14'	2'
10'	0'
<10'	0'

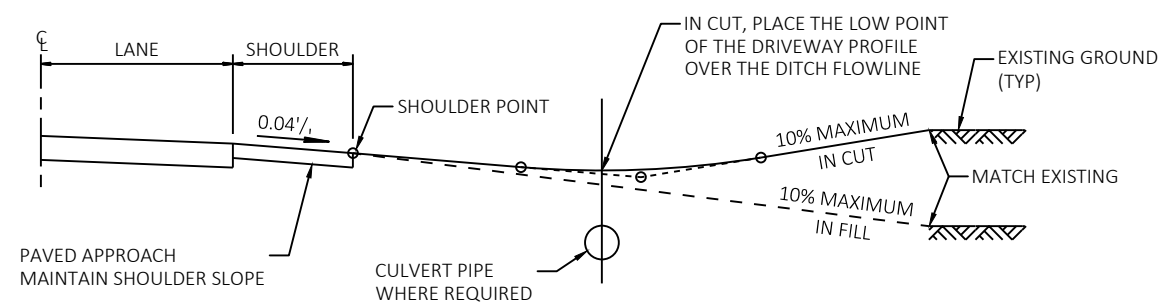
TYPICAL MARSH EXCAVATION



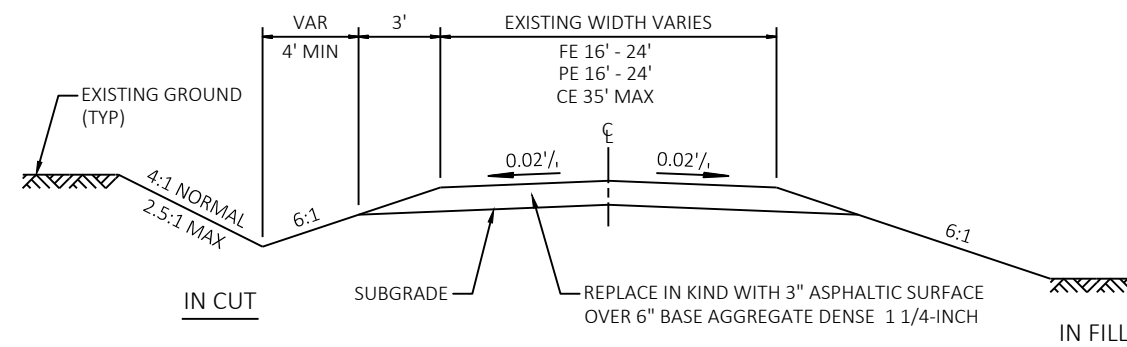
RURAL DRIVEWAY GRADING AND/OR PAVING DETAIL



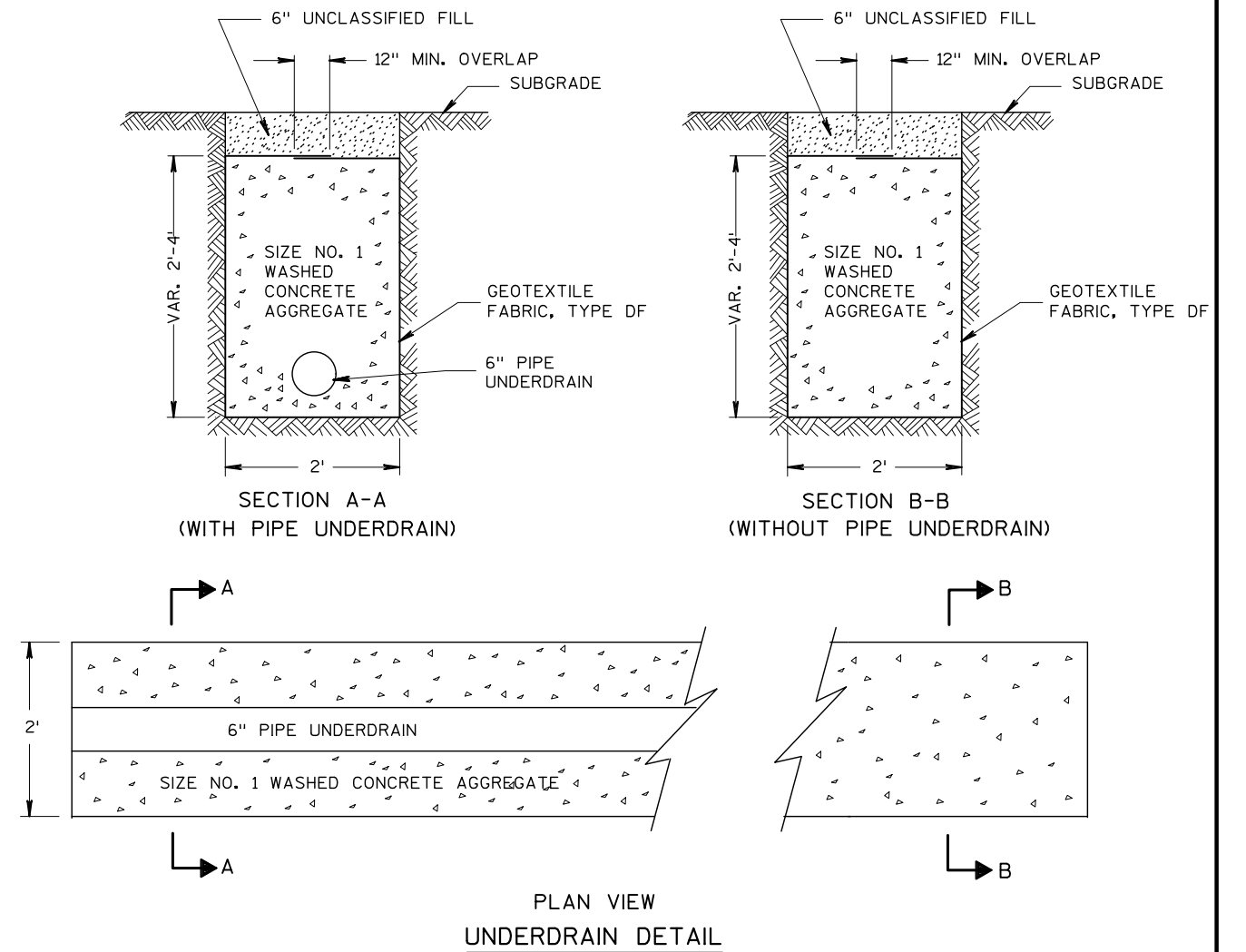
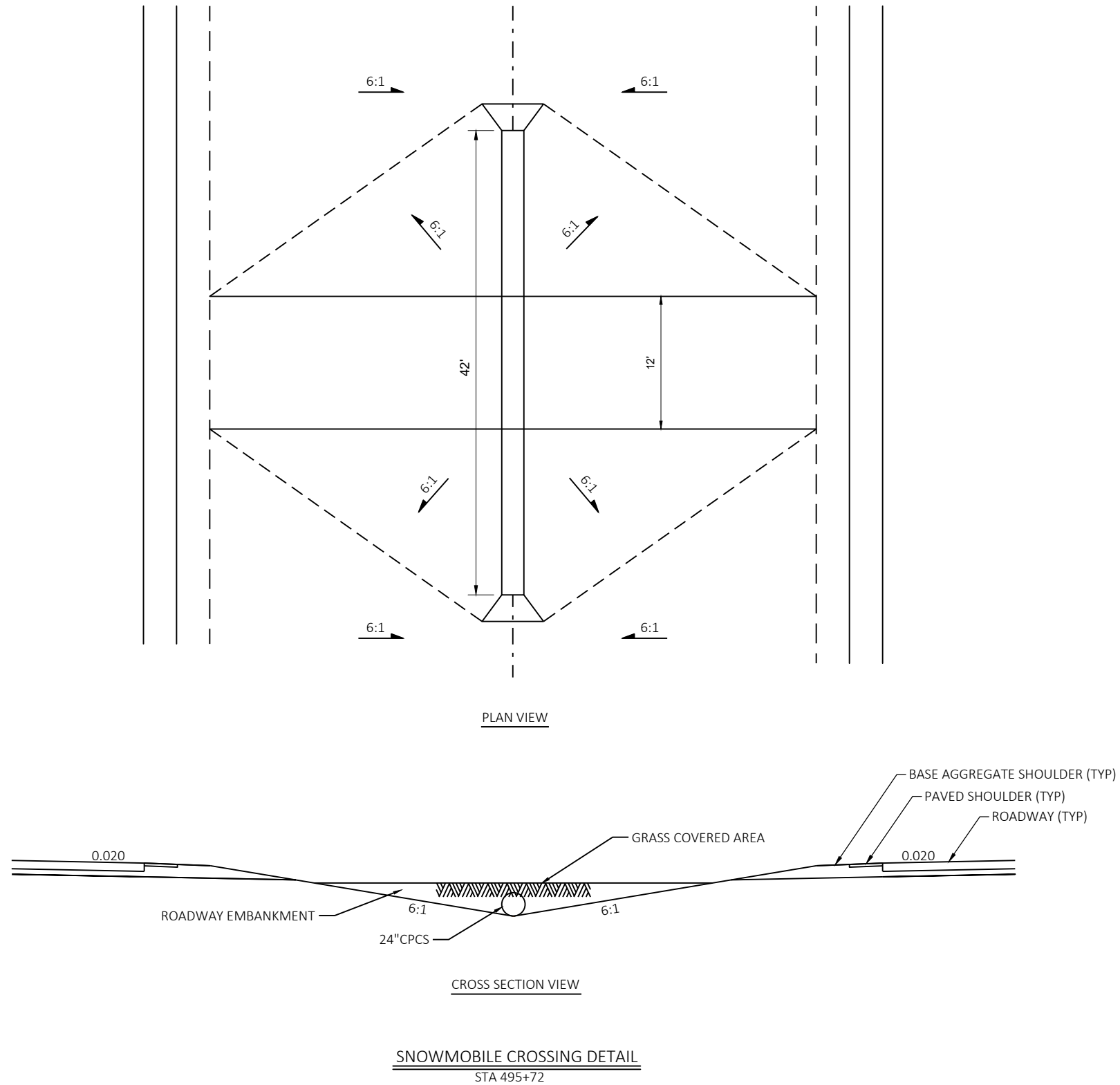
RIPRAP TREATMENT AT STORM SEWER OUTFALLS

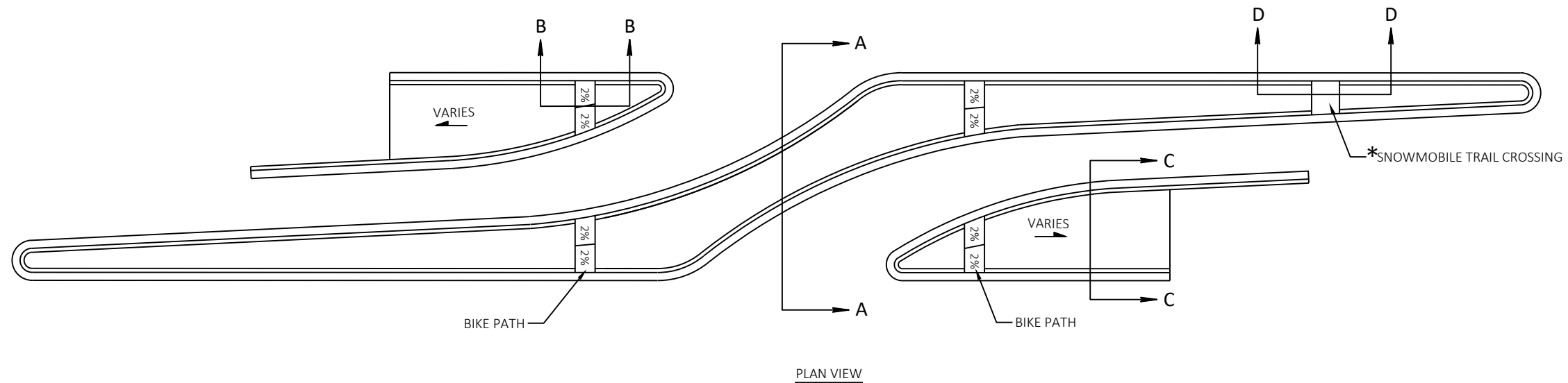
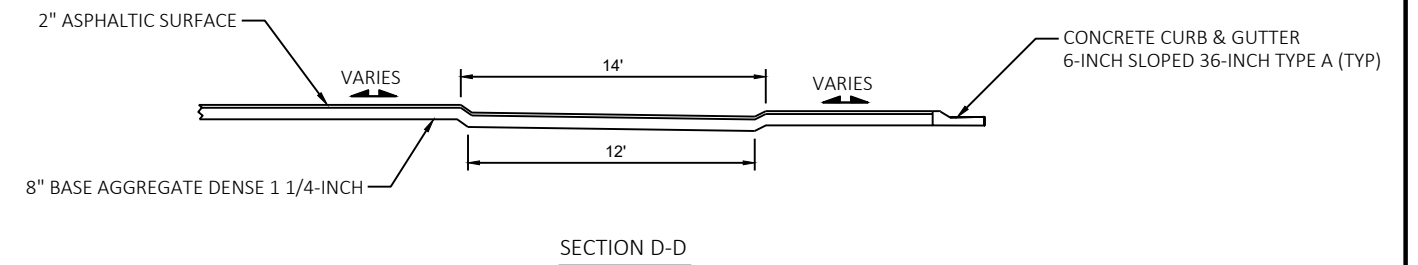
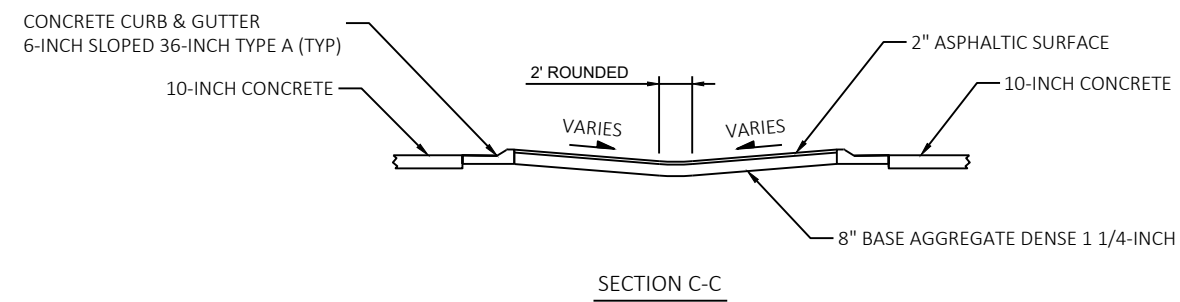
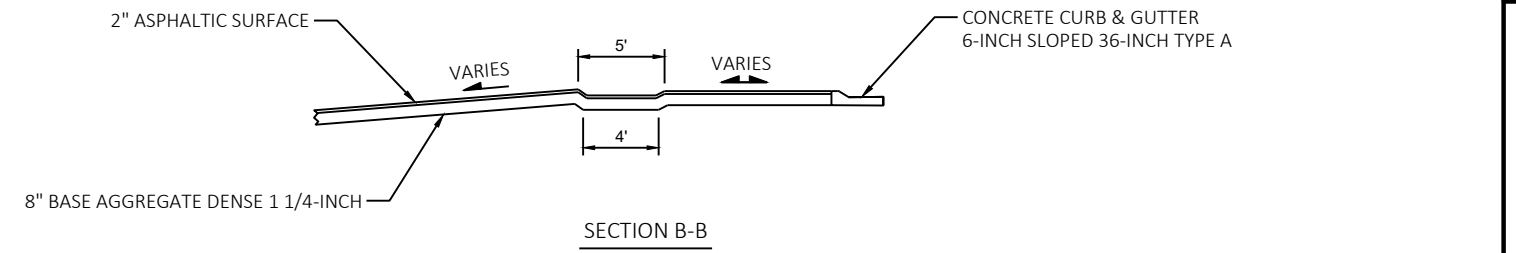
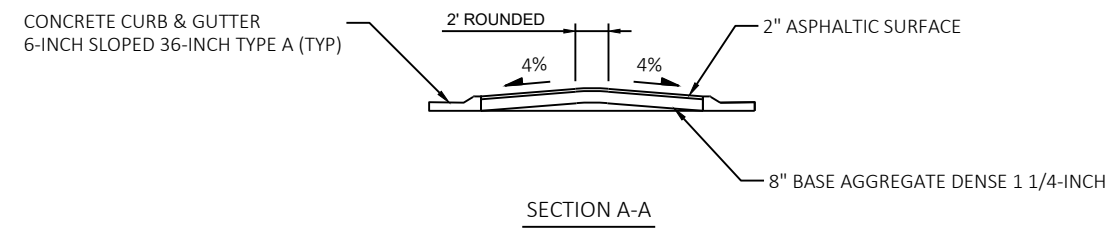


TYPICAL DRIVEWAY PROFILES



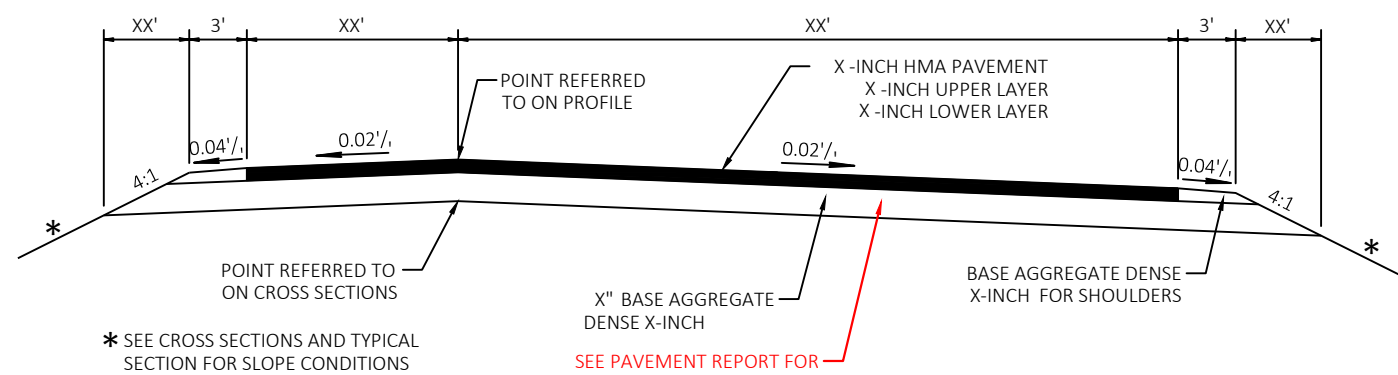
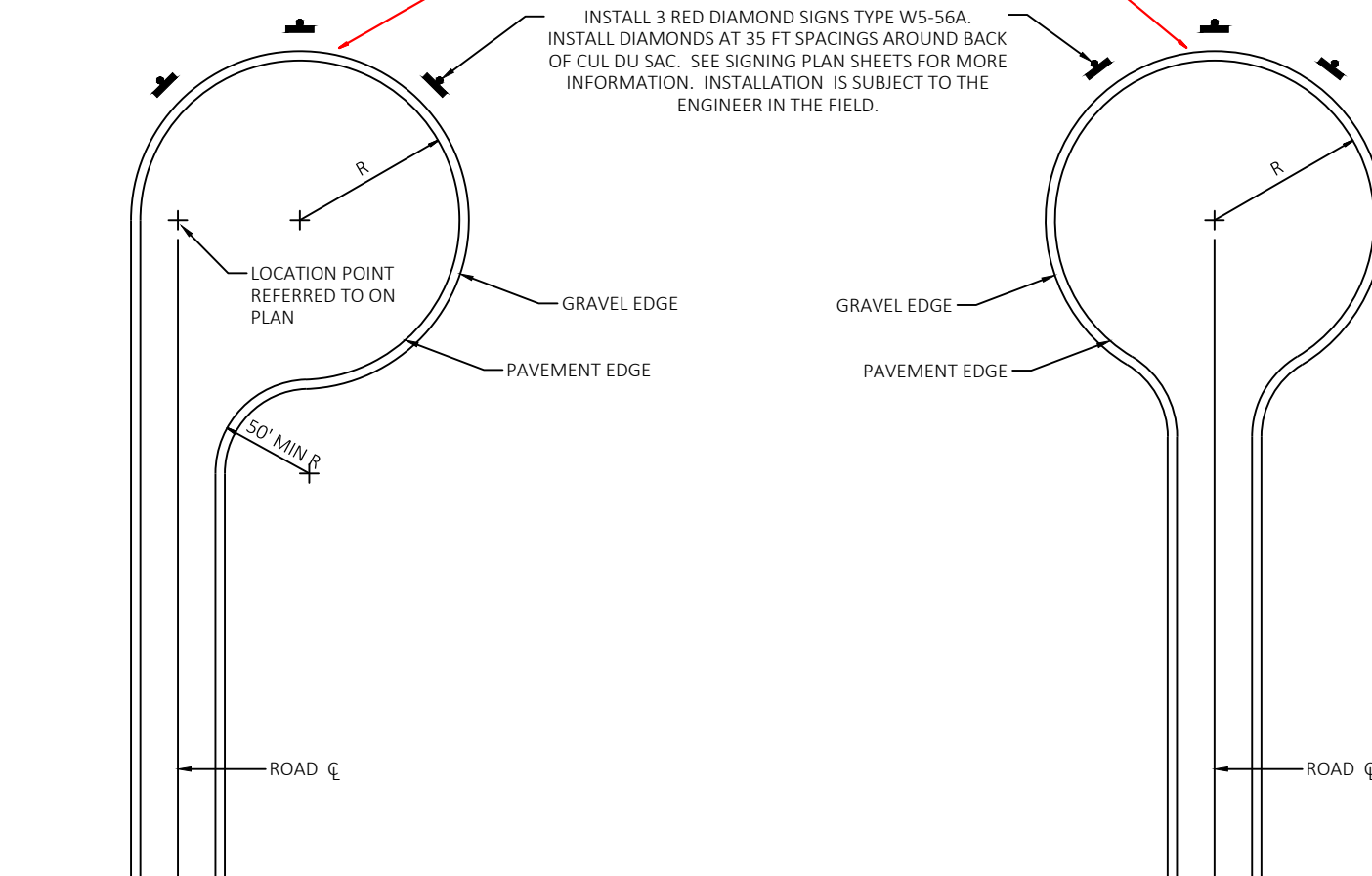
TYPICAL CROSS SECTION FOR DRIVEWAYS



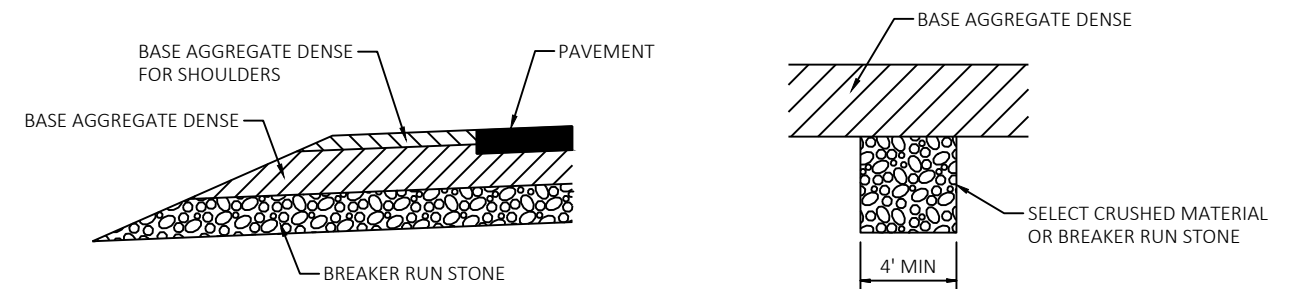


SEE PROJECT MANAGER FOR POSSIBLE
EXCEPTIONS TO ADD BEAM GUARD
-FLAT DITCH THEY WILL RUN THROUGH
-4-WAY TURNING INTO CUL DU SAC
-POSSIBLE WATER

INSTALL 3 RED DIAMOND SIGNS TYPE W5-56A.
INSTALL DIAMONDS AT 35 FT SPACINGS AROUND BACK
OF CUL DU SAC. SEE SIGNING PLAN SHEETS FOR MORE
INFORMATION. INSTALLATION IS SUBJECT TO THE
ENGINEER IN THE FIELD.

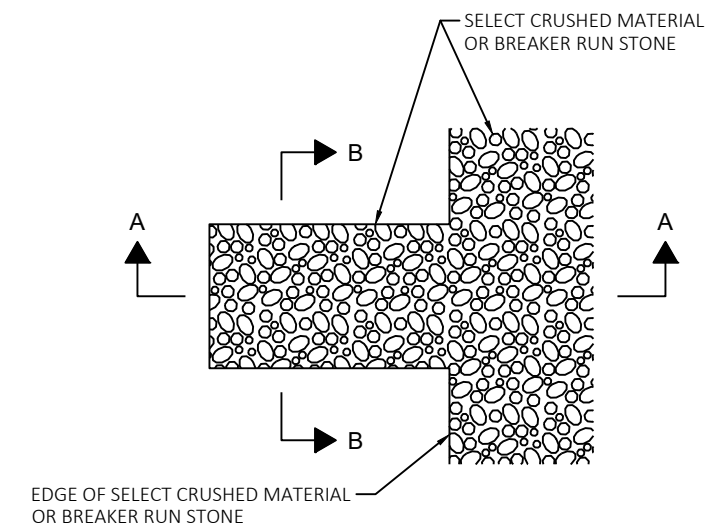


CUL DU SAC DETAILS



SECTION A-A

SECTION B-B

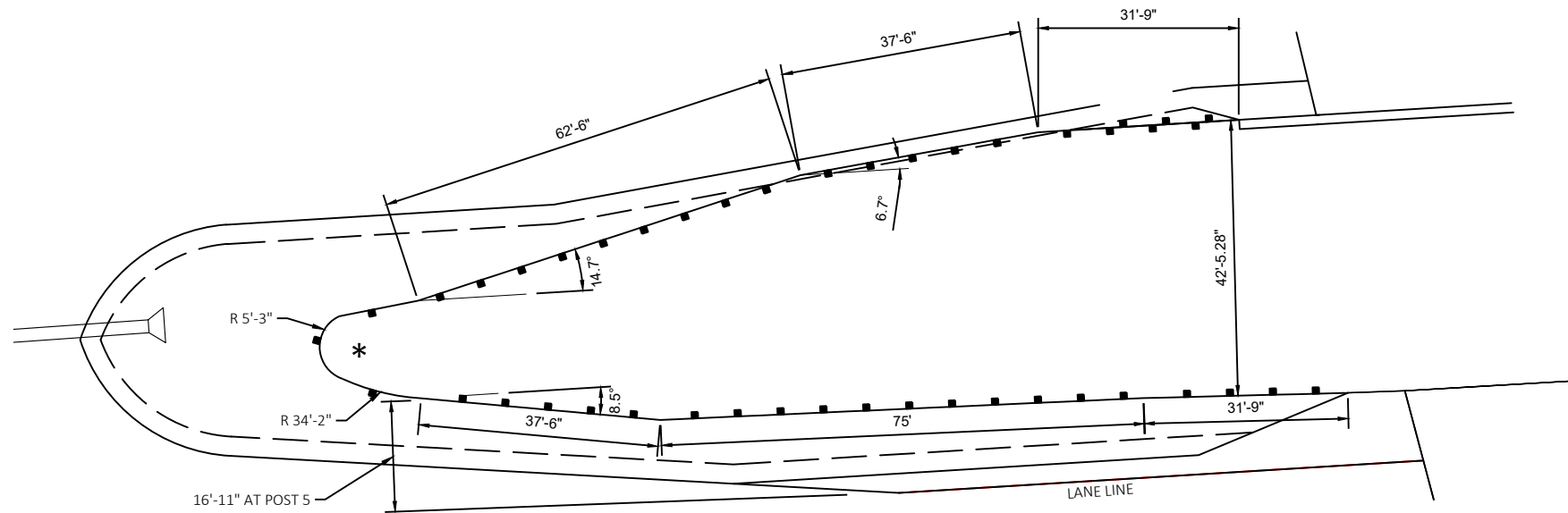


DETAIL FOR FRENCH DRAINS

DRAINS ARE TO BE CONSTRUCTED AT LEAST EVERY 250'
AND AT EACH SAG VERTICAL CURVE IN THE PROFILE.

LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

EXCAVATION REQUIRED TO CONSTRUCT FRENCH DRAINS SHALL
BE CONSIDERED INCIDENTAL TO THE ITEM BREAKER RUN STONE.

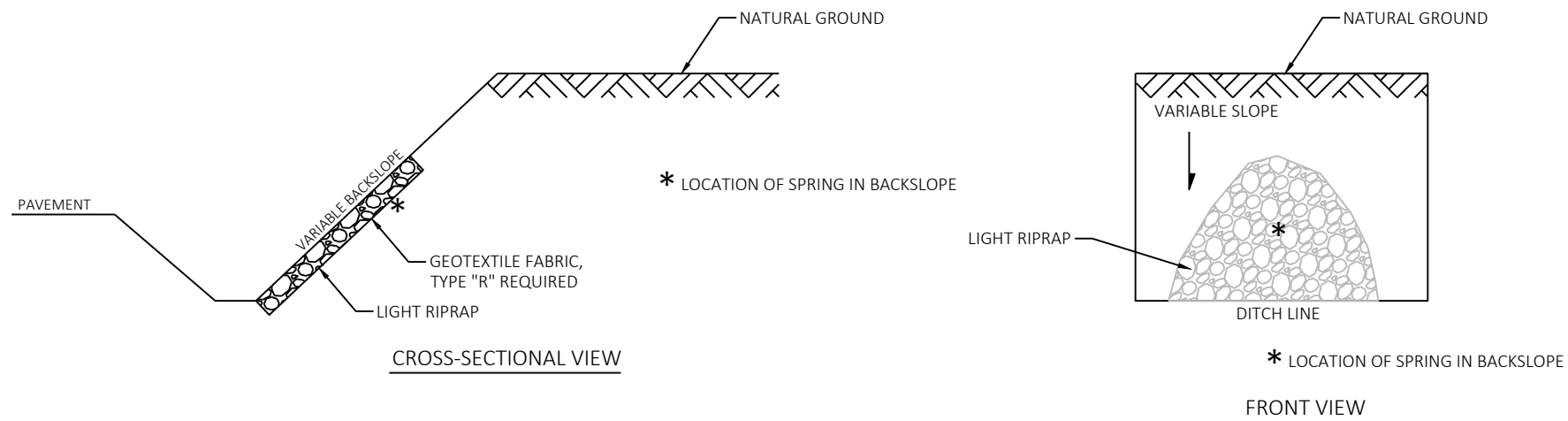


* NOTE: DIMENSIONS FOR BULLNOSE TERMINAL CAN BE FOUND ON
SDD STEEL THRIE BEAM BULLNOSE TERMINAL "WIDENED BULLNOSE DESIGN".

WIDENED BULLNOSE INSTALLATION DETAIL

STA 448+39 - STA 450+00

NOTE: LIGHT RIPRAP SHOULD BE PLACE AT LEAST 1 FOOT
ABOVE THE LOCATION OF WHERE THE SPRING COMES
OUT OF THE BACKSLOPE.



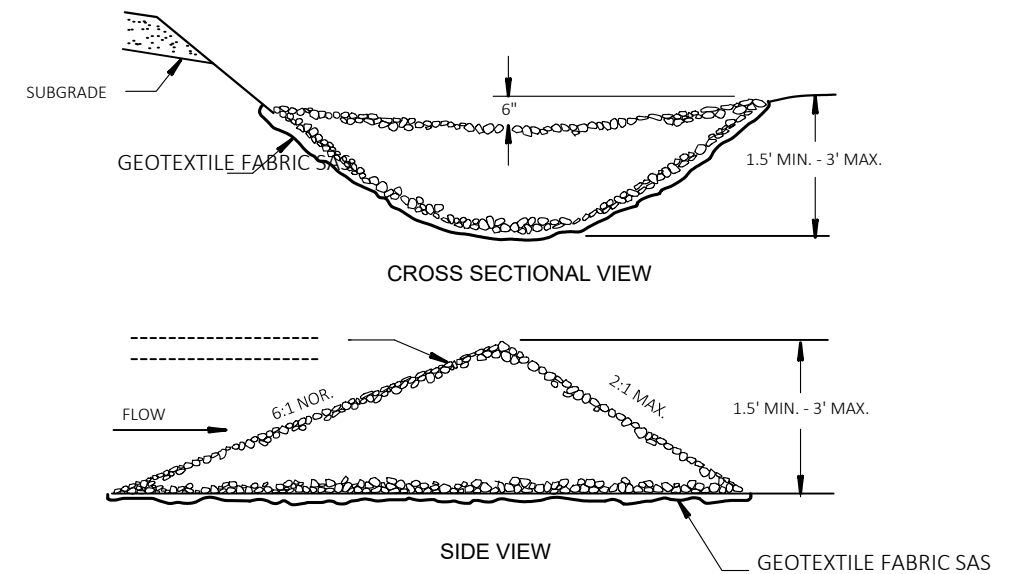
CROSS-SECTIONAL VIEW

FRONT VIEW

WEeping SLOPE DETAIL

STA 258+00 - STA 265+00
STA 285+00 - STA 288+00
STA 28+00 'TOWER RD' - STA 313+00
STA 325+00 - STA 333+00
STA 365+00 - STA 372+00 'OLD PLANK TRAIL'
STA 358+00 - STA 364+00
STA 400+00 - STA 403+00 'OLD PLANK TRAIL'
STA 386+00 - STA 390+00
STA 498+00 - STA 503+00

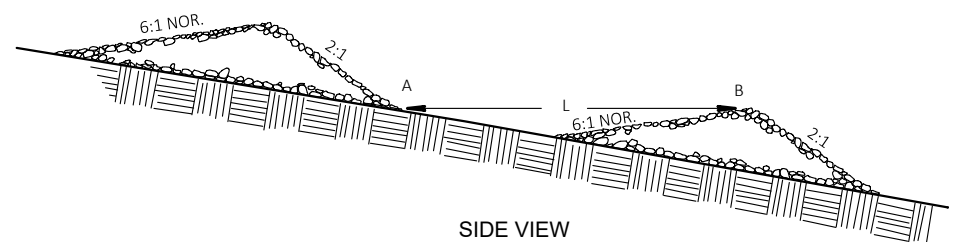
** MAY BE PLACED ON ANY OTHER BACKSLOPES
THAT ARE DEEMED NECESSARY BY THE ENGINEER



CROSS SECTIONAL VIEW

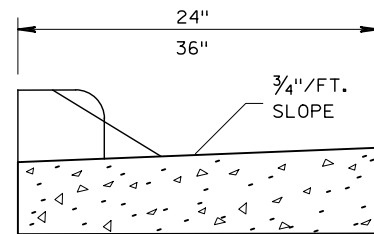
SIDE VIEW

L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

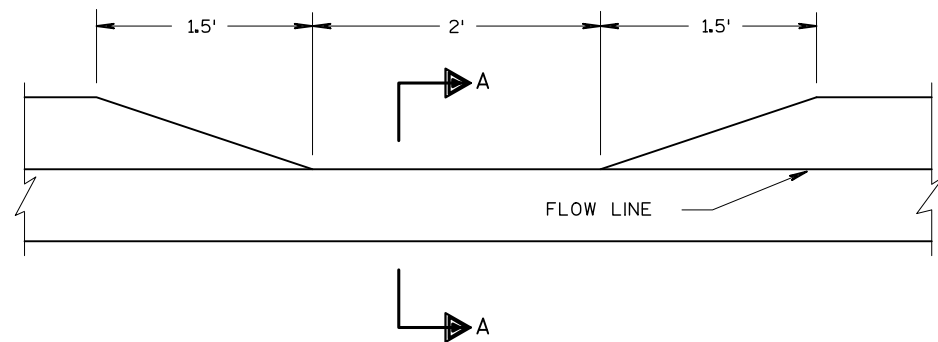
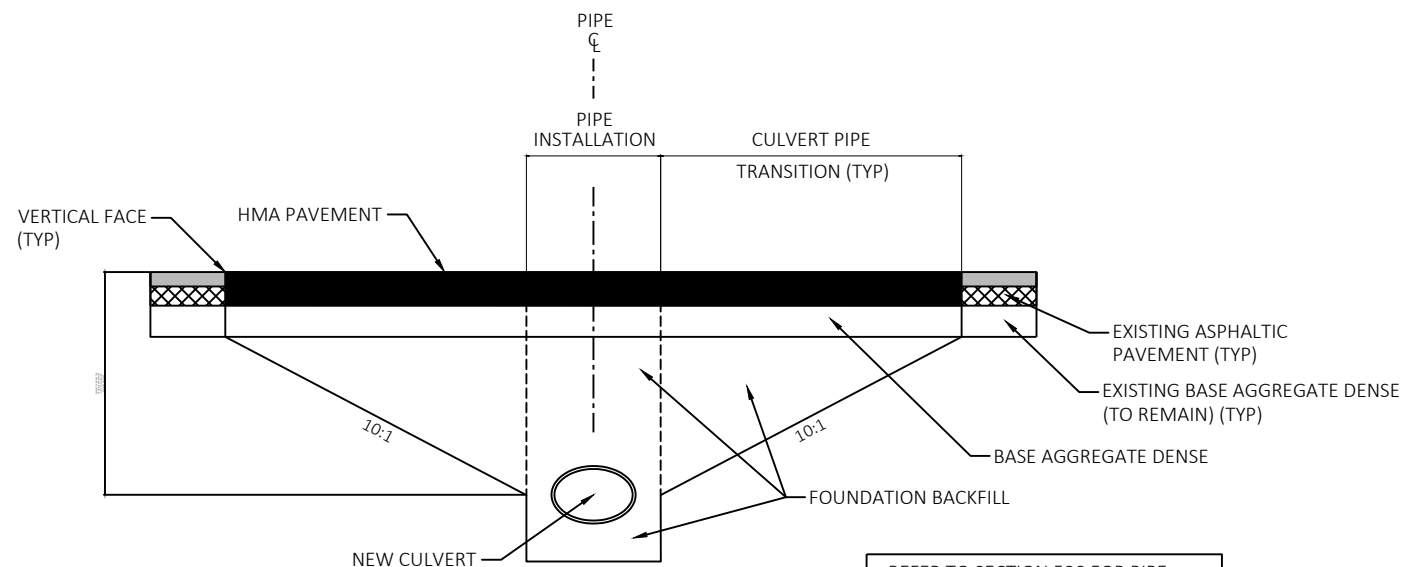


SIDE VIEW

PERMANENT STONE DITCH CHECK



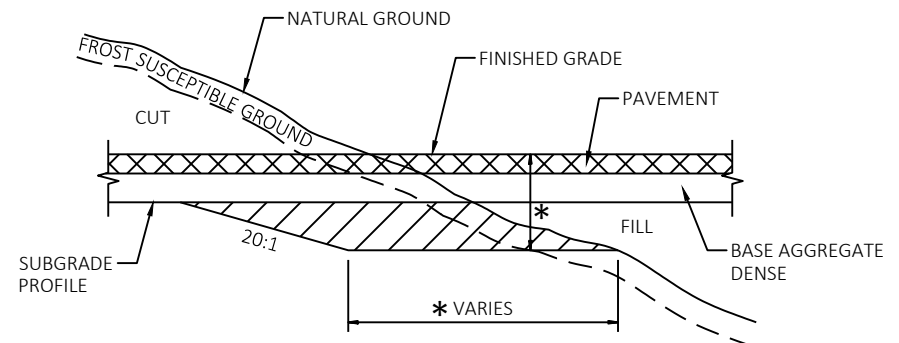
SECTION A-A

DETAIL OF CURB HEAD DEPRESSION FOR
DRAINAGE AT CURB & GUTTER SECTION

CULVERT PIPE WITH TRANSITION

REFER TO SECTION 520 FOR PIPE
INSTALLATION AND WIDTHS.

CULVERT PIPE TRANSITION
AREAS WILL BE PAID UNDER THE SPV
"CULVERT PIPE TRANSITION".



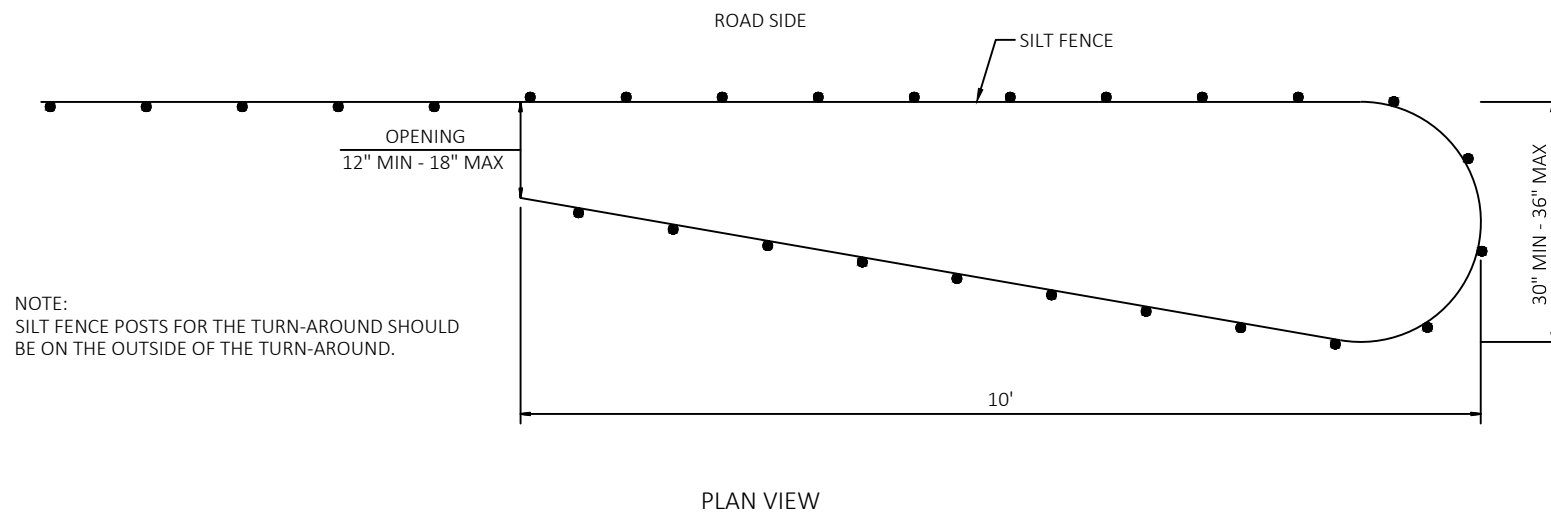
* DISTANCE/DEPTH TO BE DETERMINED
BY ENGINEER IN THE FIELD

PROFILE VIEW

EXCAVATION BELOW SUBGRADE (EBS)

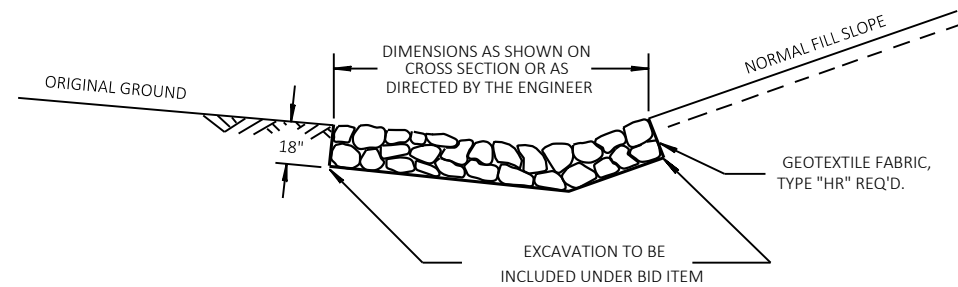
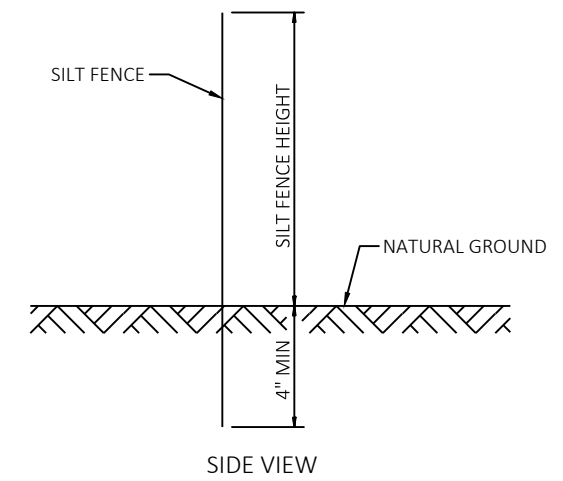
EXACT LOCATION OF EXCAVATION BELOW SUBGRADE (EBS) SHALL
BE DETERMINED BY THE ENGINEER IN THE FIELD. EBS AREA TO BE
BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER.

STA 385+50 - STA 386+50	STA 586+50 - STA 587+50
STA 391+00 - STA 392+50	STA 598+00 - STA 602+00
STA 438+50 - STA 444+50	STA 617+00 - STA 624+00
STA 497+50 - STA 498+50	STA 626+00 - STA 629+00
STA 504+00 - STA 505+00	STA 662+00 - STA 664+00
STA 511+50 - STA 517+50	STA 666+00 - STA 669+00
STA 535+50 - STA 544+00	STA 672+00 - STA 677+00
STA 386+00 - STA 390+00	STA 684+00 - STA 688+88
STA 557+00 - STA 564+50	STA 717+00 - STA 723+00
STA 572+00 - STA 575+00	STA 728+00 - STA 737+00
STA 579+00 - STA 582+00	STA 743+50 - STA 745+60

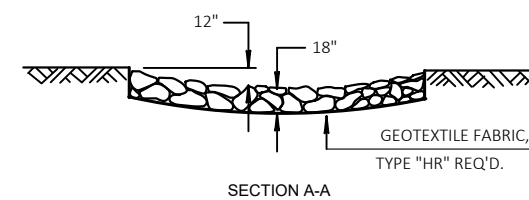


NOTE:
SILT FENCE POSTS FOR THE TURN-AROUND SHOULD
BE ON THE OUTSIDE OF THE TURN-AROUND.

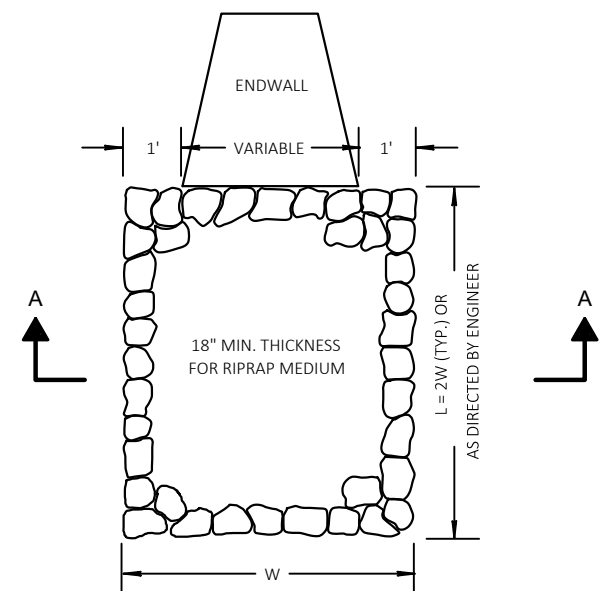
SILT FENCE TURN-AROUND DETAIL

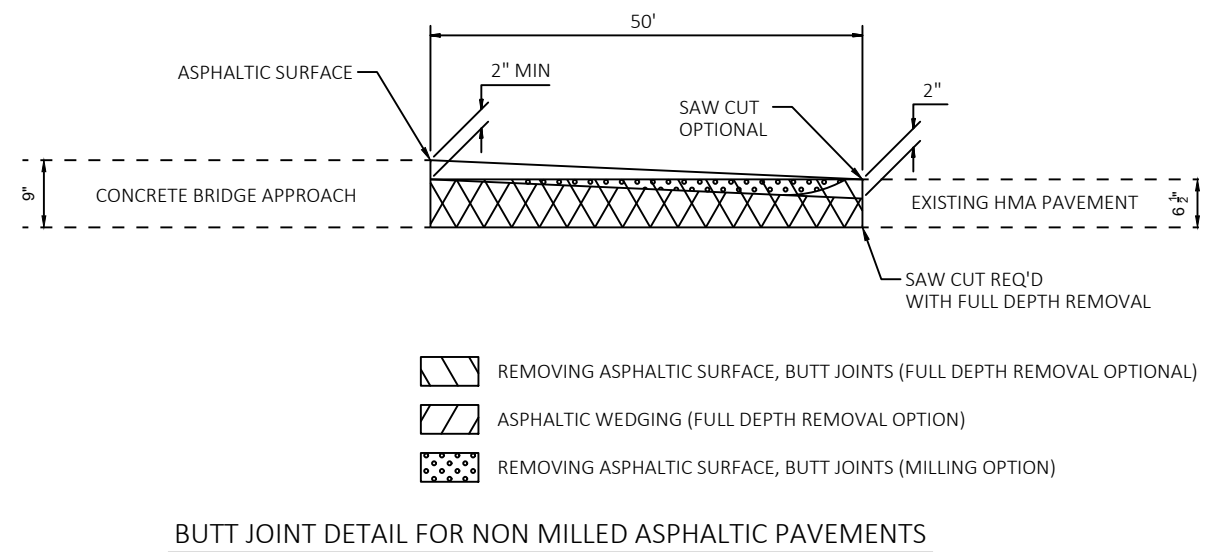
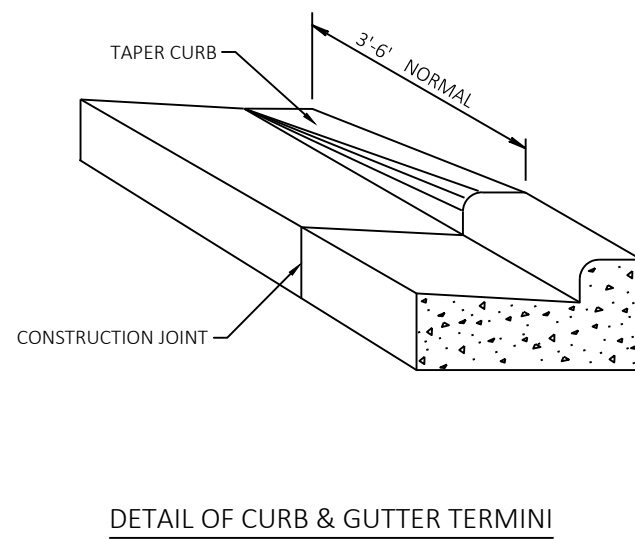
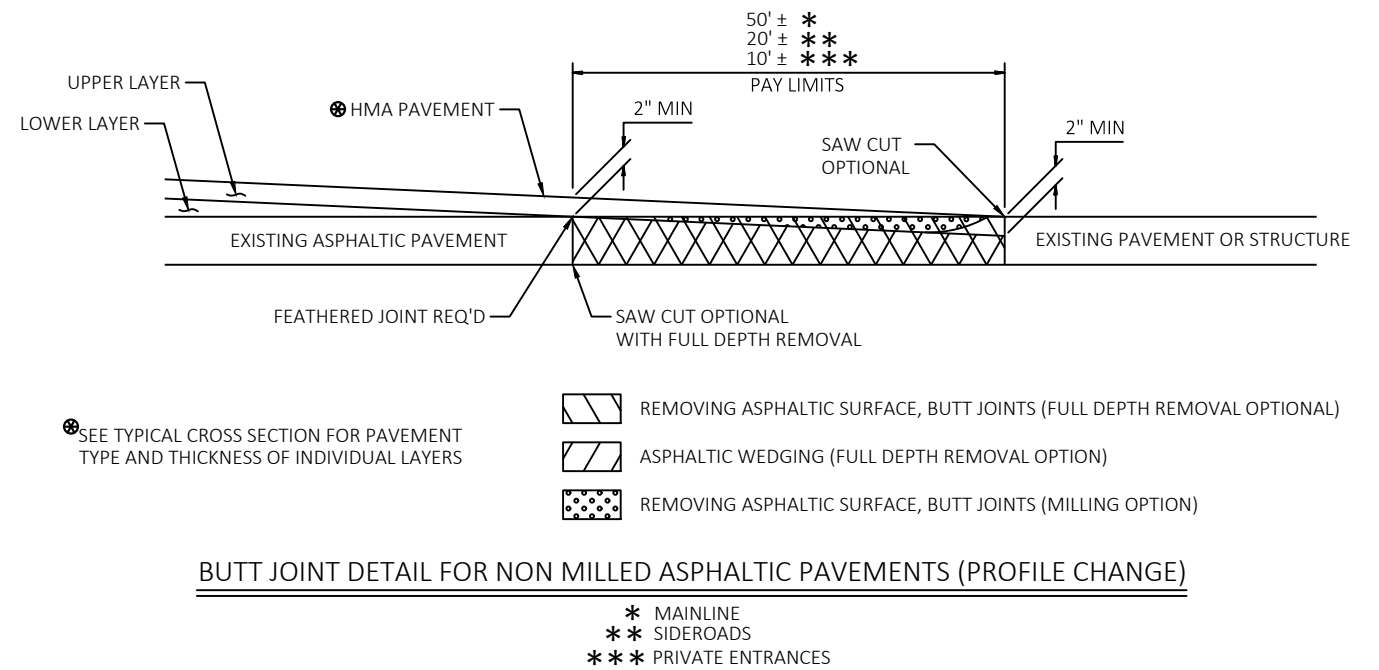
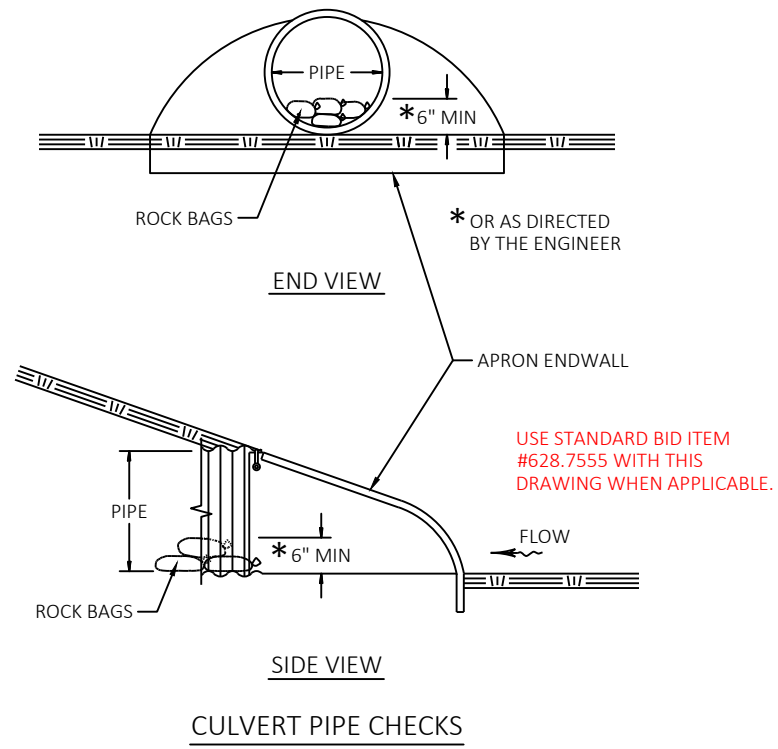


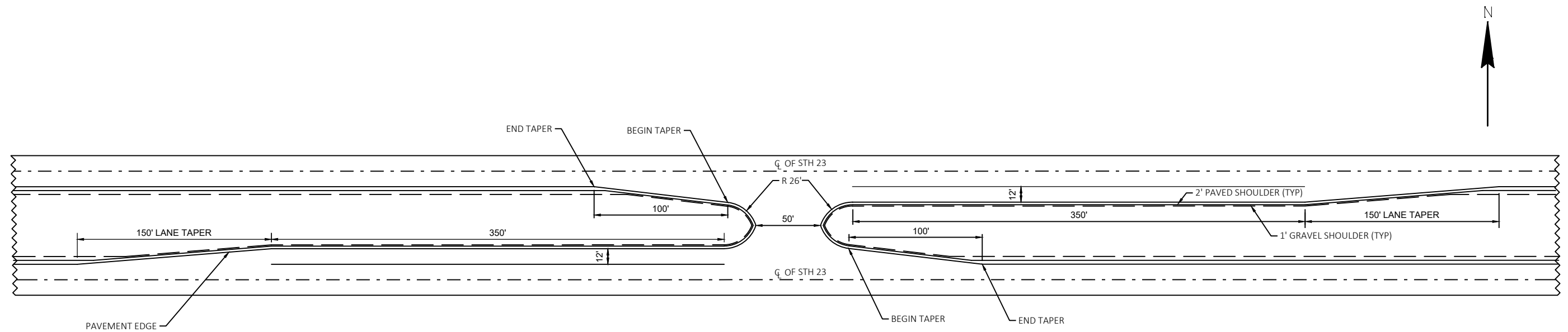
DETAIL FOR RIPRAP MEDIUM IN DITCHES



RIPRAP MEDIUM TREATMENT AT CULVERTS





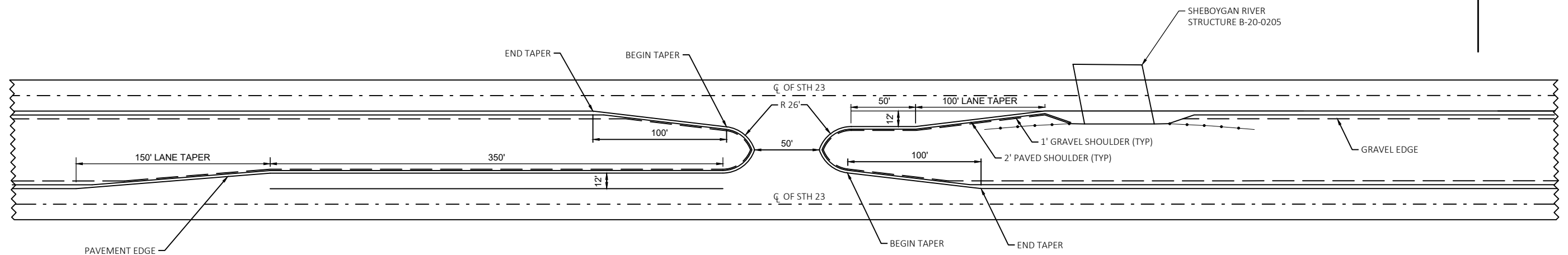


MEDIAN CROSSOVERS ALONG STH 23 FOR PUBLIC USE

STA 335+05

STA 620+56

PAVEMENT STRUCTURE FOR THE CROSSOVERS WILL BE AS DESCRIBED
IN THE TYPICAL SECTIONS AND THE PAVING DETAILS



MEDIAN CROSSOVERS ALONG STH 23 FOR PUBLIC USE

STA 447+76.98

PAVEMENT STRUCTURE FOR THE CROSSOVERS WILL BE AS DESCRIBED
IN THE TYPICAL SECTIONS AND THE PAVING DETAILS

PROJECT NO: 1440-15-72/73

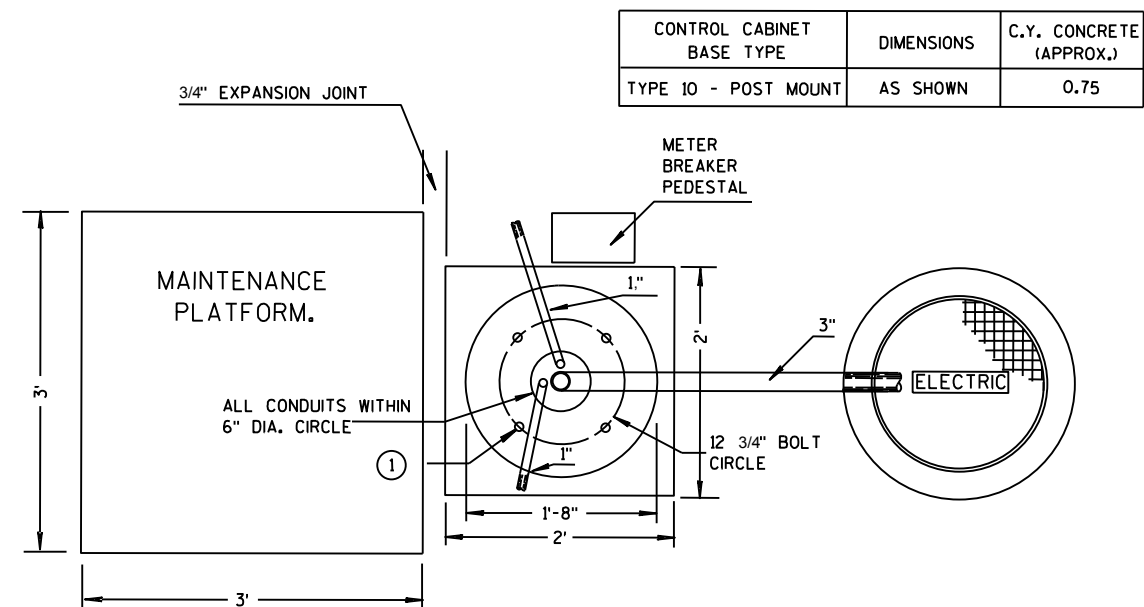
HWY: STH 23

COUNTY: FOND DU LAC

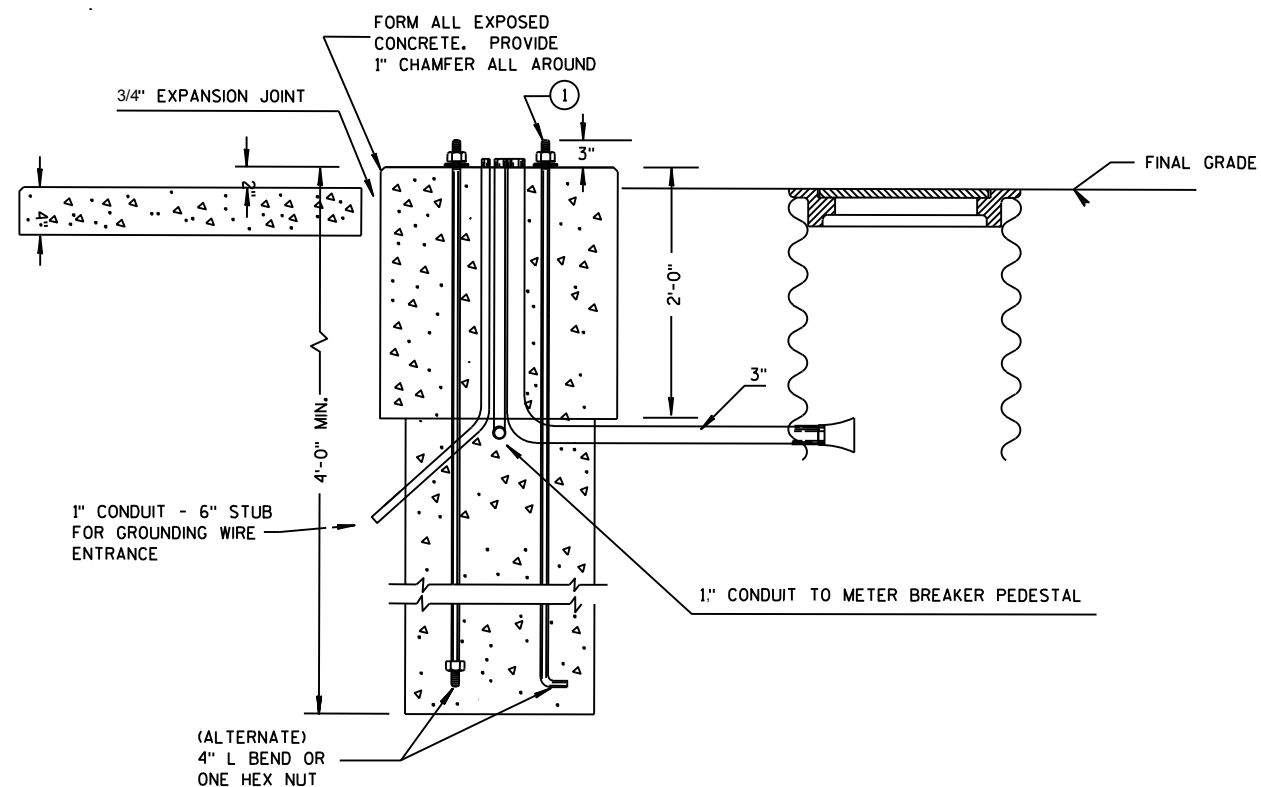
CONSTRUCTION DETAILS

SHEET

E

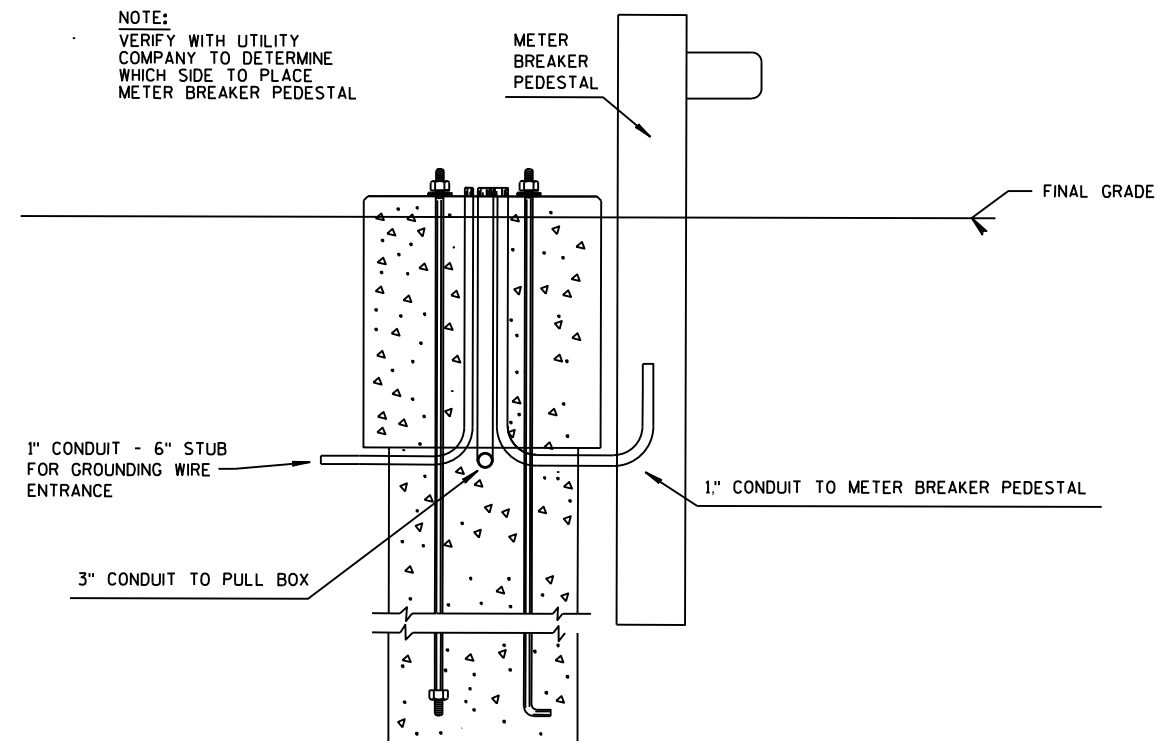


PLAN VIEW



PROFILE VIEW

NOTE:
VERIFY WITH UTILITY
COMPANY TO DETERMINE
WHICH SIDE TO PLACE
METER BREAKER PEDESTAL



FRONT VIEW

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

WHEN A TYPE 10 CONTROL CABINET BASE IS USED TO POST MOUNT A CONTROL CABINET, A 36" SQUARE 4" THICK CONCRETE MAINTENANCE PLATFORM SHALL BE REQUIRED ON THE DOOR SIDE OF THE CABINET. THE TOP 1 INCH SHALL BE ABOVE FINISHED GRADE AND BE BROOM FINISHED AND LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

ALL CONDUIT ENDS AT THE TOP OF THE CONCRETE BASE SHALL PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN ANCHOR RODS USING THE ALTERNATE L BEND ARE FURNISHED FOR THE TYPE 10 BASE, THE 4" L BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH.

THE "L" BEND SHALL NOT BE THREADED.

STRAIGHT ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD.

FOUR (4) ANCHOR RODS, 1" DIA. X 3'-6"
ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 AND 641.2.2 OF THE STANDARD SPECIFICATIONS AND IN ACCORDANCE WITH A-449, OR ASTM, A-687 (GRADE 105).

120/240 VOLT ELECTRIC SERVICE

DATE: 8/9/2018

SHEET NO. 1 OF 1

PROJECT NO:1440-15-72

HWY:STH 23

COUNTY:FOND DU LAC

PLAN: CONSTRUCTION DETAIL - LIGHTING CABINET TYPE 10 NER

SHEET

E

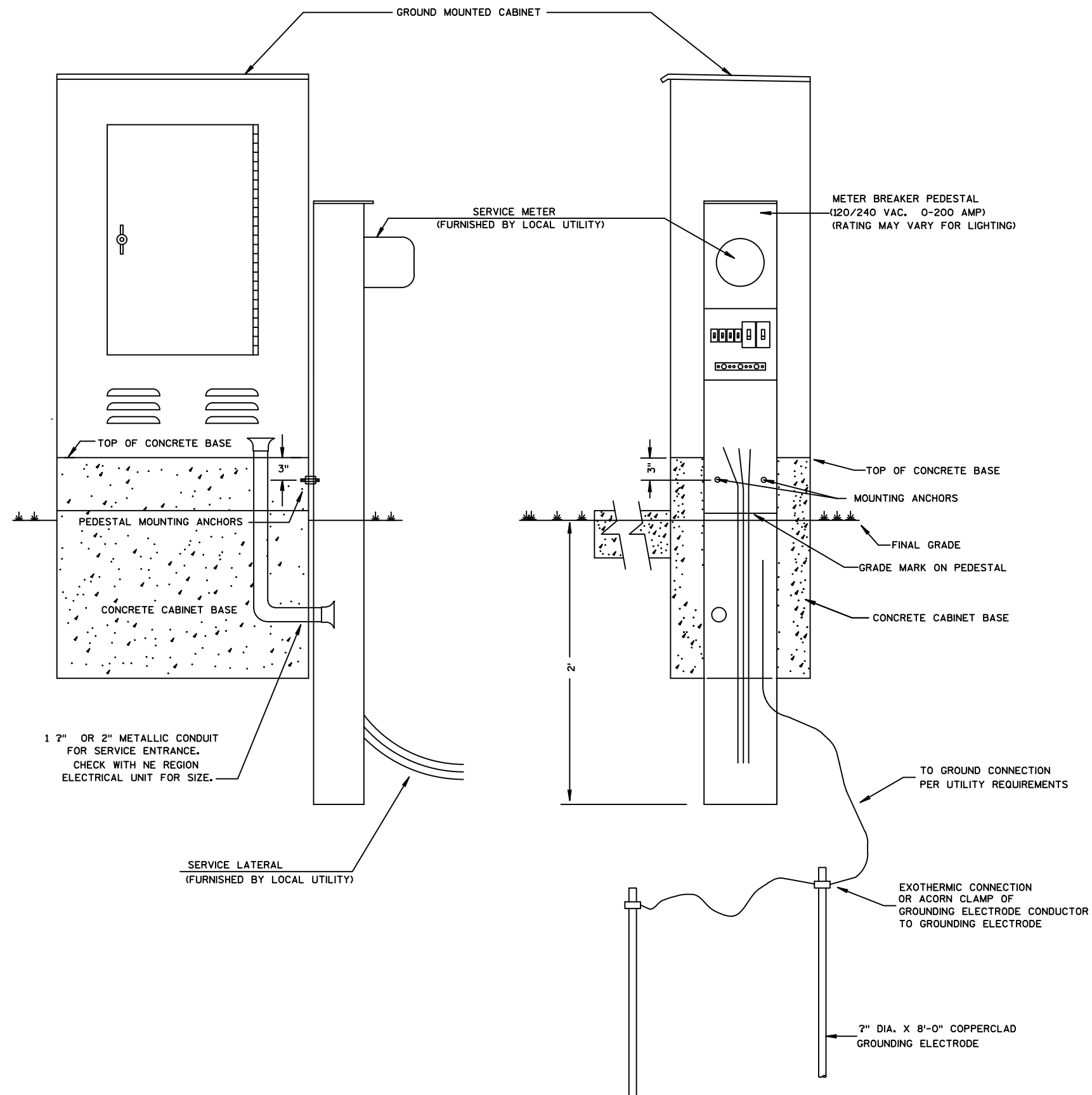
FILE NAME : U:\WORK TO BE DONE OR PENDING\LIGHTING\STH 23 FOND DU LAC\STH 23 FDL.DWG
LAYOUT NAME - ****

PLOT DATE : 1/17/2019 10:19 AM

PLOT BY : TALCOTT, MATTHEW J PLOT NAME :

PLOT SCALE : *****

WISDOT/CADDs SHEET 42



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

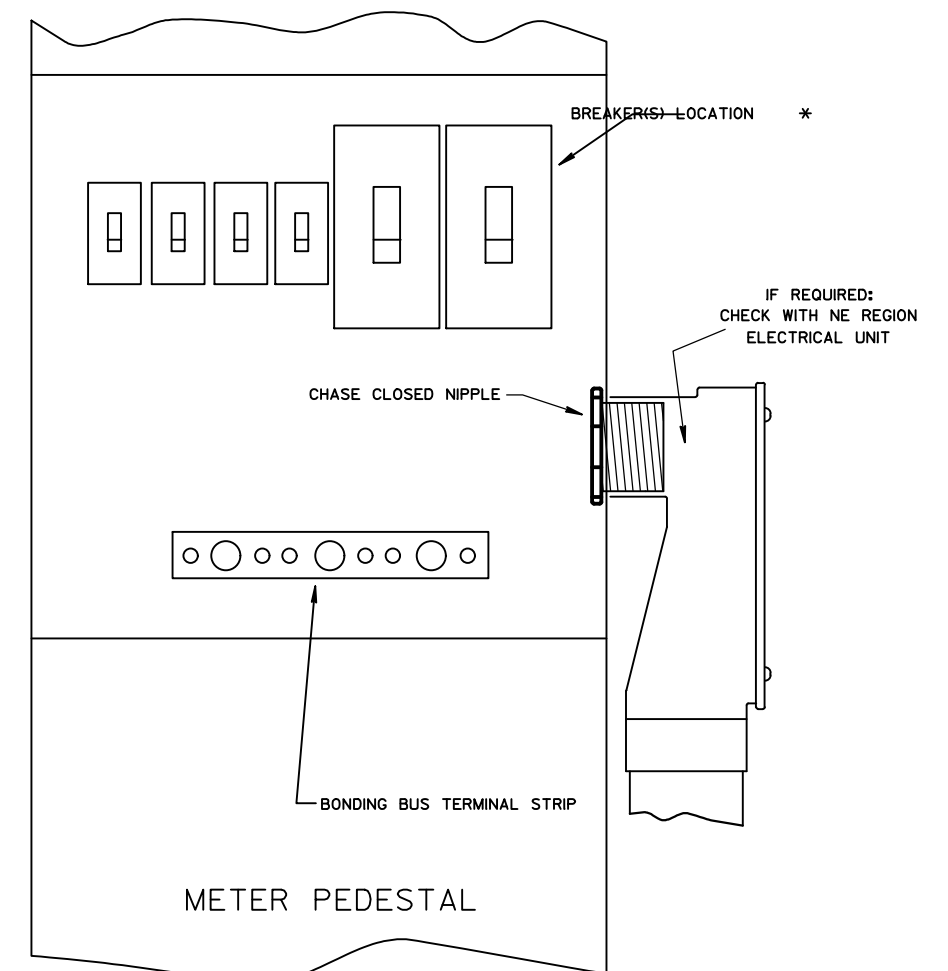
SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT OR SCHEDULE 80 PVC, NIPPLES AND/OR CONDULETS AS REQUIRED. CONDUIT LB SHALL BE OF METALLIC SERVICE ENTRANCE TYPE.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER NEC.

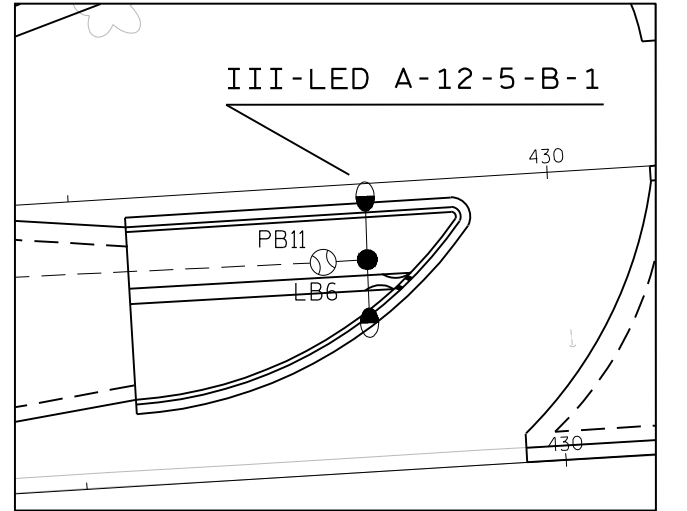
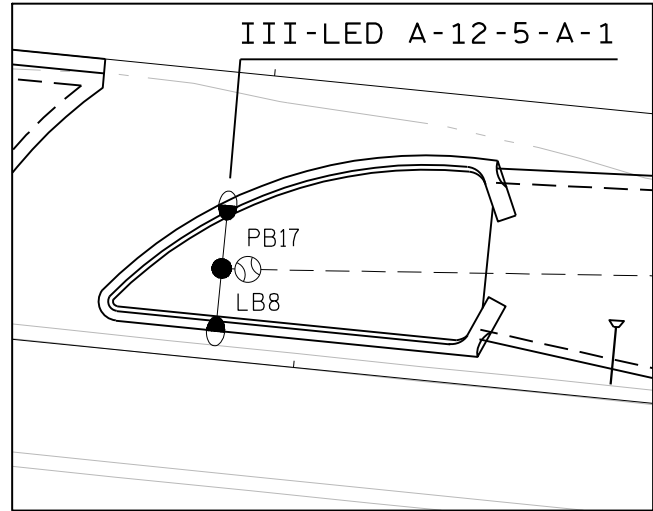
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SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.



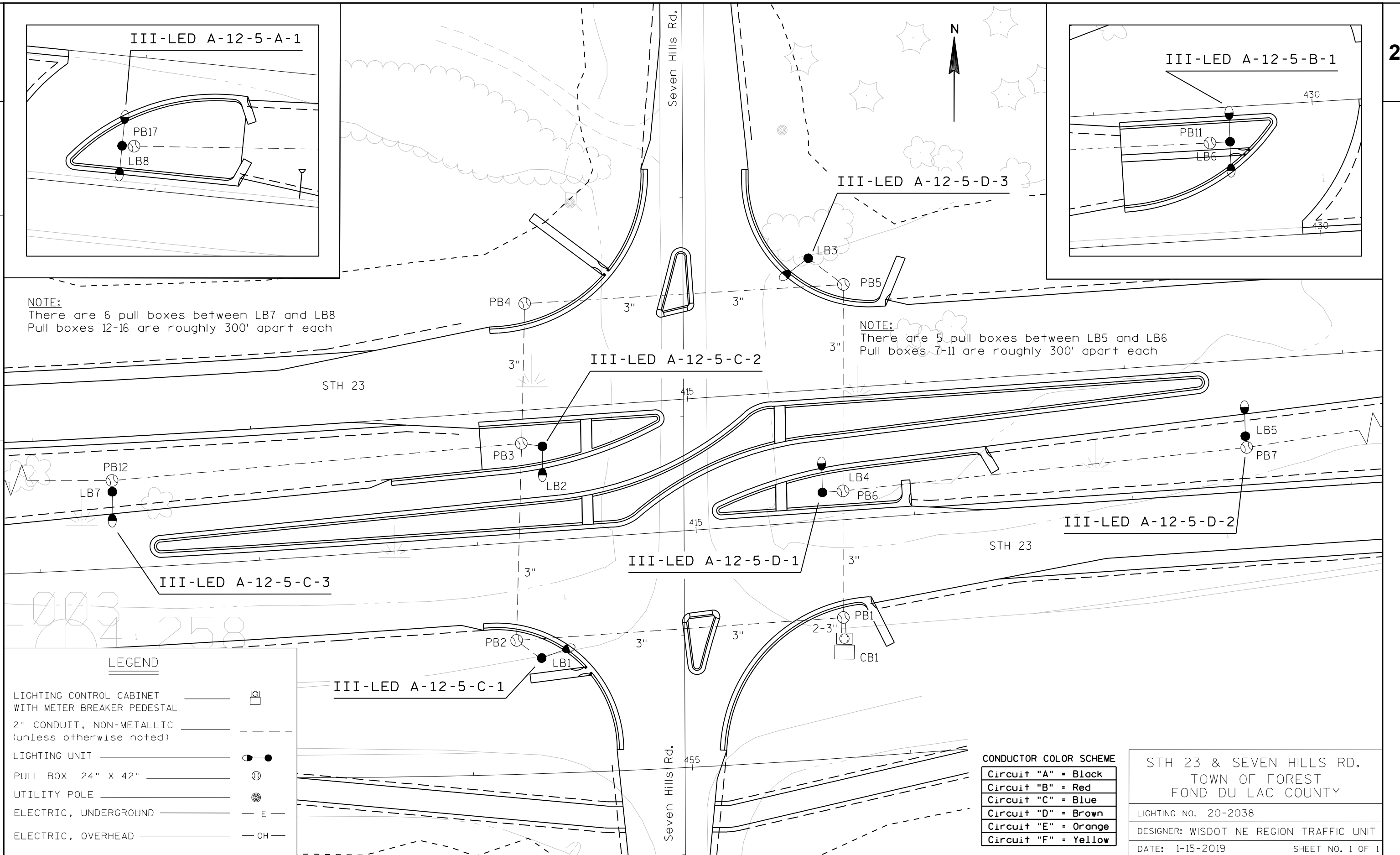
2

2



NOTE:
There are 6 pull boxes between LB7 and LB8
Pull boxes 12-16 are roughly 300' apart each

NOTE:
There are 5 pull boxes between LB5 and LB6
Pull boxes 7-11 are roughly 300' apart each



LEGEND

LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL	
2" CONDUIT, NON-METALLIC (unless otherwise noted)	
LIGHTING UNIT	
PULL BOX 24" X 42"	
UTILITY POLE	
ELECTRIC, UNDERGROUND	
ELECTRIC, OVERHEAD	

CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

STH 23 & SEVEN HILLS RD.
TOWN OF FOREST
FOND DU LAC COUNTY

LIGHTING NO. 20-2038

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 1-15-2019

SHEET NO. 1 OF 1

PROJECT NO:1440-15-72

HWY:STH 23

COUNTY:FOND DU LAC

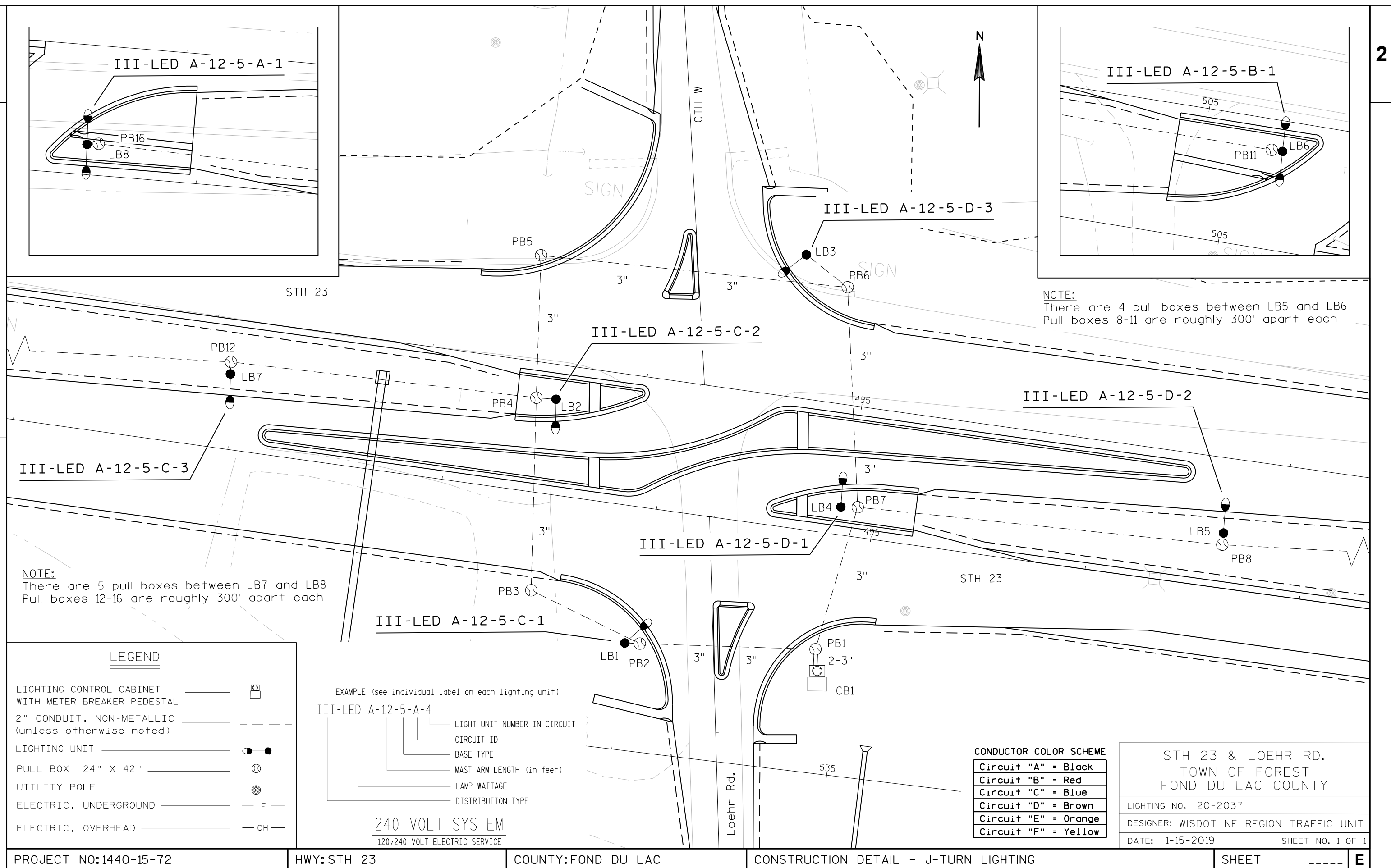
CONSTRUCTION DETAIL - J-TURN LIGHTING

SHEET

E

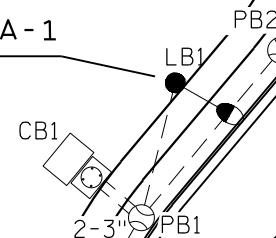
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2

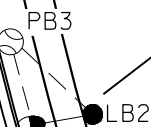




III-LED A-12-5-A-1



III-LED A-12-5-A-2



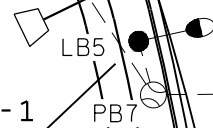
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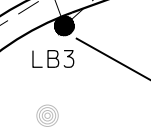
III-LED A-12-5-C-2



III-LED A-12-5-C-1



III-LED A-12-5-B-1



III-LED A-12-5-B-2



CONDUCTOR COLOR SCHEME

Circuit "A" = Black
Circuit "B" = Red
Circuit "C" = Blue
Circuit "D" = Brown
Circuit "E" = Orange
Circuit "F" = Yellow

LEGEND

LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL	
2" CONDUIT, NON-METALLIC (unless otherwise noted)	
LIGHTING UNIT	
PULL BOX 24" X 42"	
UTILITY POLE	
ELECTRIC, UNDERGROUND	
ELECTRIC, OVERHEAD	

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

— LIGHT UNIT NUMBER IN CIRCUIT
— CIRCUIT ID
— BASE TYPE
— MAST ARM LENGTH (in feet)
— LAMP WATTAGE
— DISTRIBUTION TYPE

240 VOLT SYSTEM

120/240 VOLT ELECTRIC SERVICE

NOTES:

WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5710.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

STH 23 EB & CTH G
TOWN OF FOREST
FOND DU LAC COUNTY

LIGHTING NO. 20-2040

DESIGNER: WISDOT NE REGION TRAFFIC UNIT

DATE: 1-15-2019

SHEET NO. 1 OF 1

PROJECT NO:1440-15-72

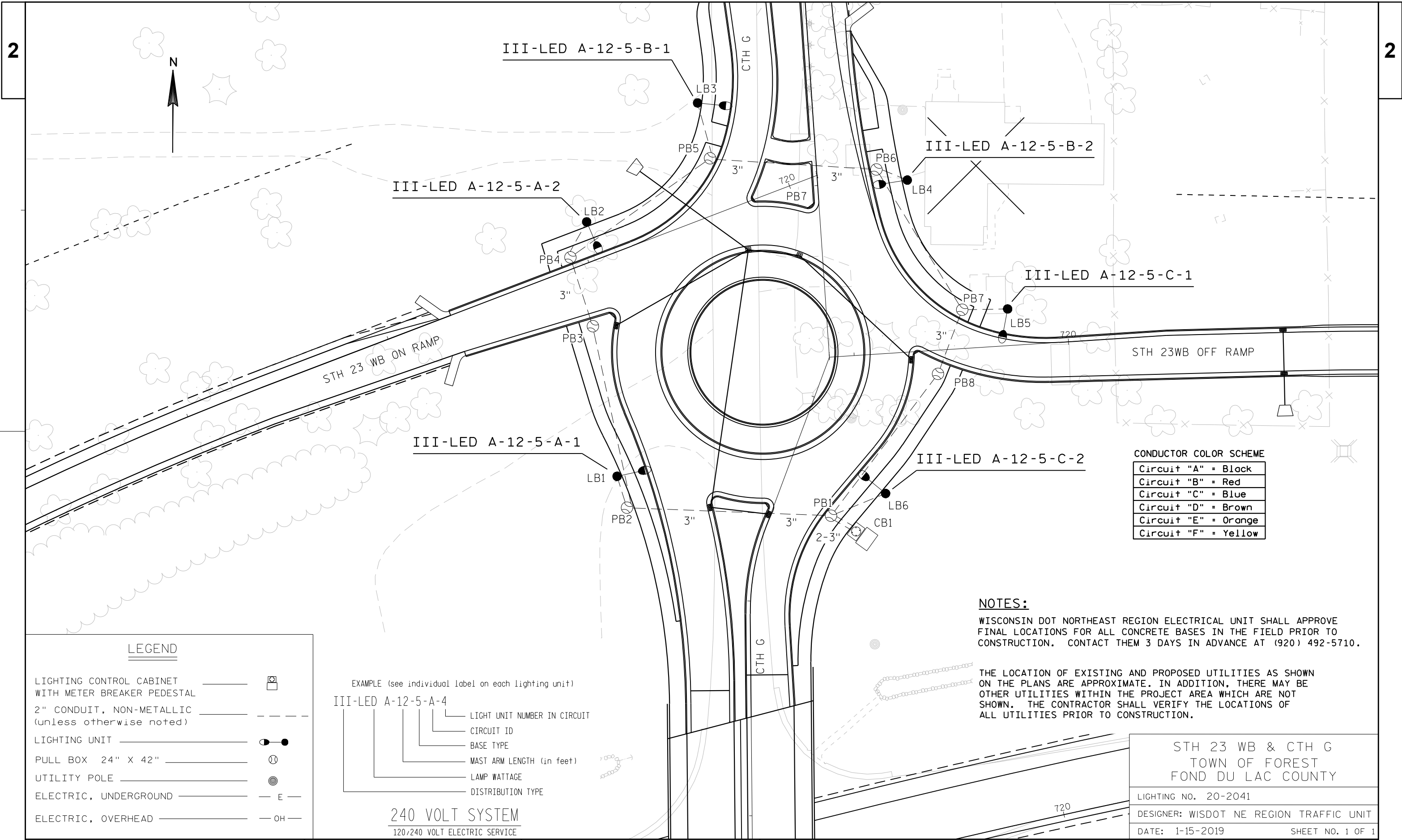
HWY:STH 23

COUNTY:FOND DU LAC

CONSTRUCTION DETAIL - ROUNDABOUT LIGHTING

SHEET

E



LEGEND

- LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL
- 2" CONDUIT, NON-METALLIC (unless otherwise noted)
- LIGHTING UNIT
- PULL BOX 24" X 42"
- UTILITY POLE
- ELECTRIC, UNDERGROUND
- ELECTRIC, OVERHEAD

EXAMPLE (see individual label on each lighting unit)

III-LED A-12-5-A-4

- LIGHT UNIT NUMBER IN CIRCUIT
- CIRCUIT ID
- BASE TYPE
- MAST ARM LENGTH (in feet)
- LAMP WATTAGE
- DISTRIBUTION TYPE

240 VOLT SYSTEM
120/240 VOLT ELECTRIC SERVICE

CONDUCTOR COLOR SCHEME

Circuit "A"	= Black
Circuit "B"	= Red
Circuit "C"	= Blue
Circuit "D"	= Brown
Circuit "E"	= Orange
Circuit "F"	= Yellow

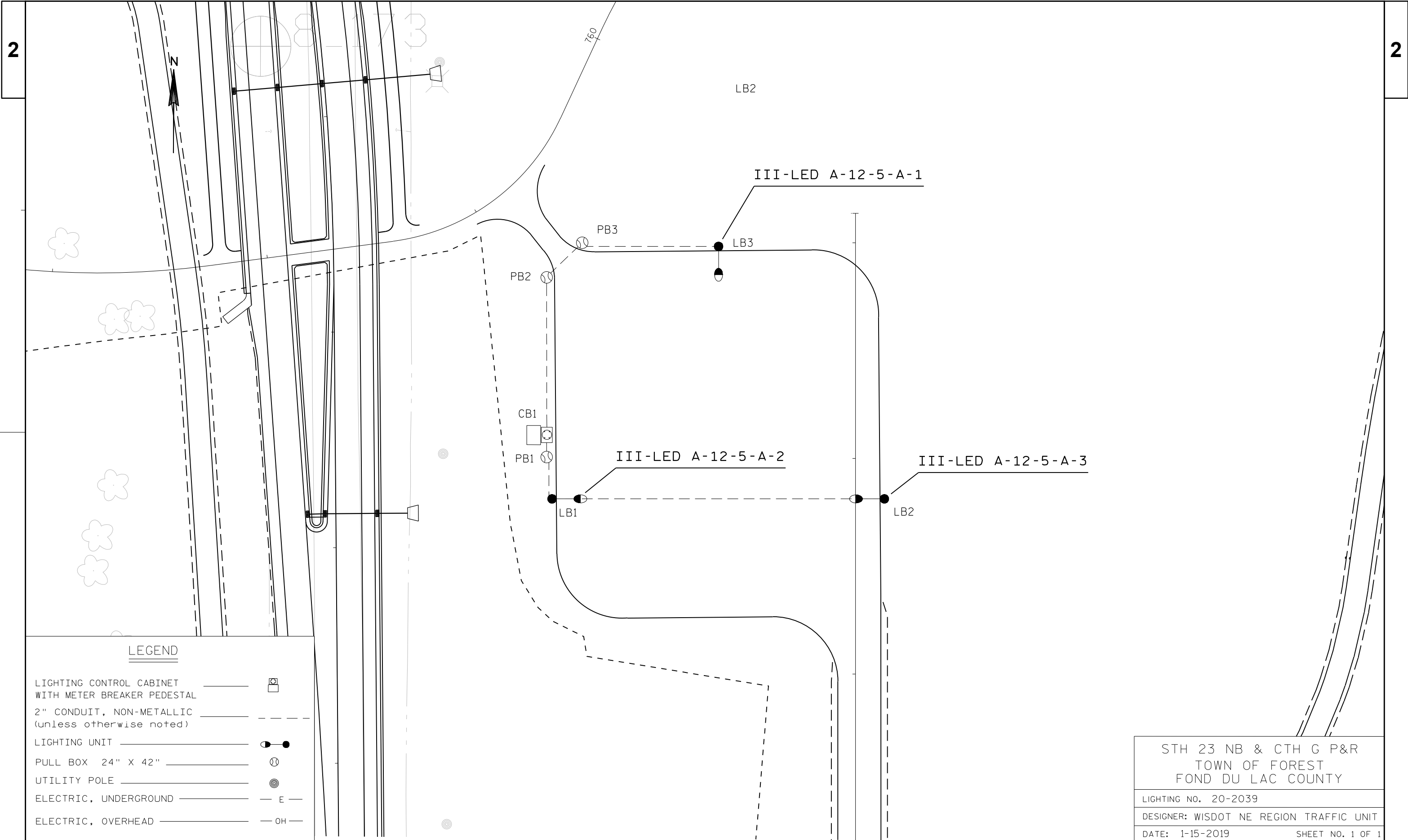
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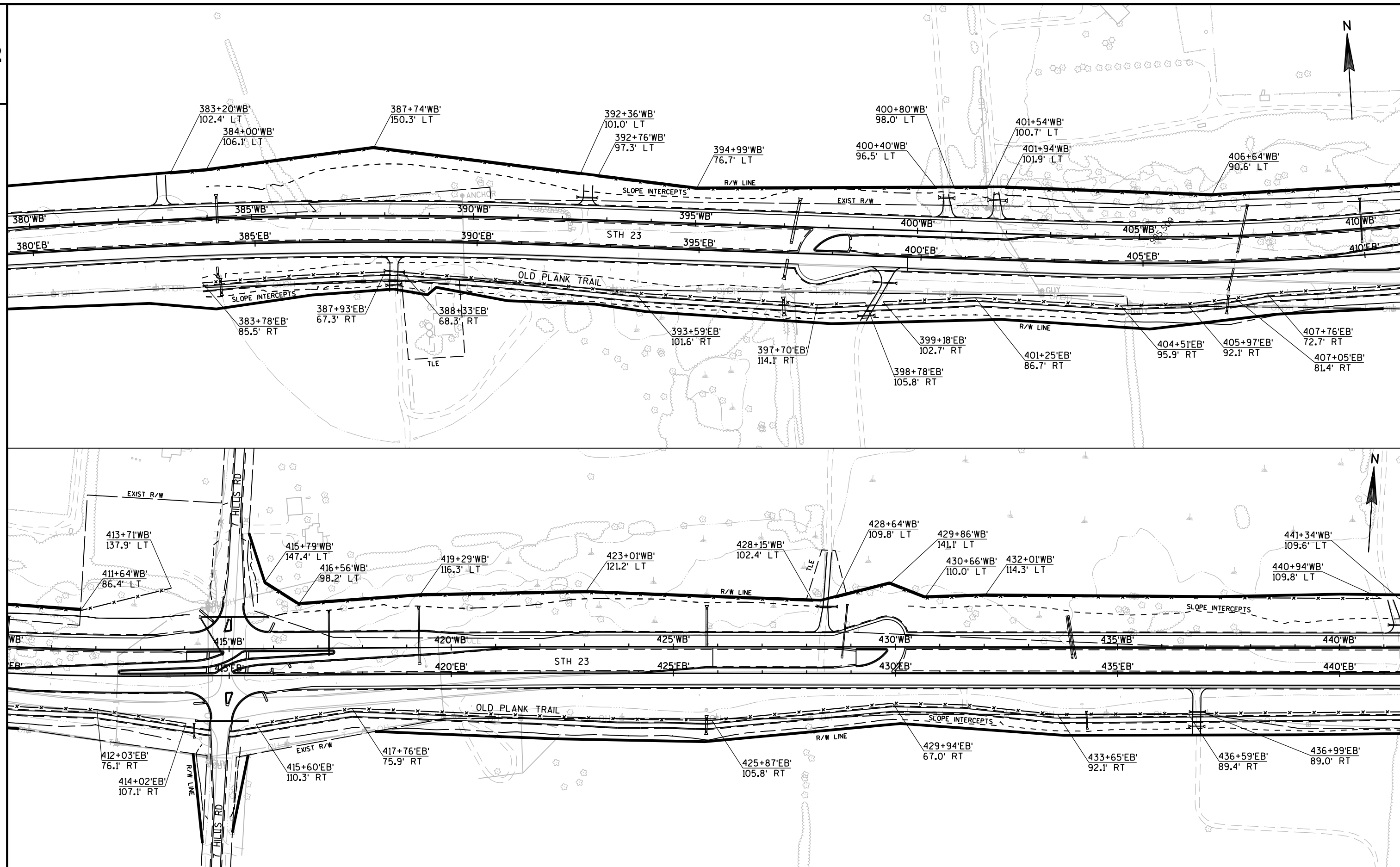
WISCONSIN DOT NORTHEAST REGION ELECTRICAL UNIT SHALL APPROVE FINAL LOCATIONS FOR ALL CONCRETE BASES IN THE FIELD PRIOR TO CONSTRUCTION. CONTACT THEM 3 DAYS IN ADVANCE AT (920) 492-5710.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

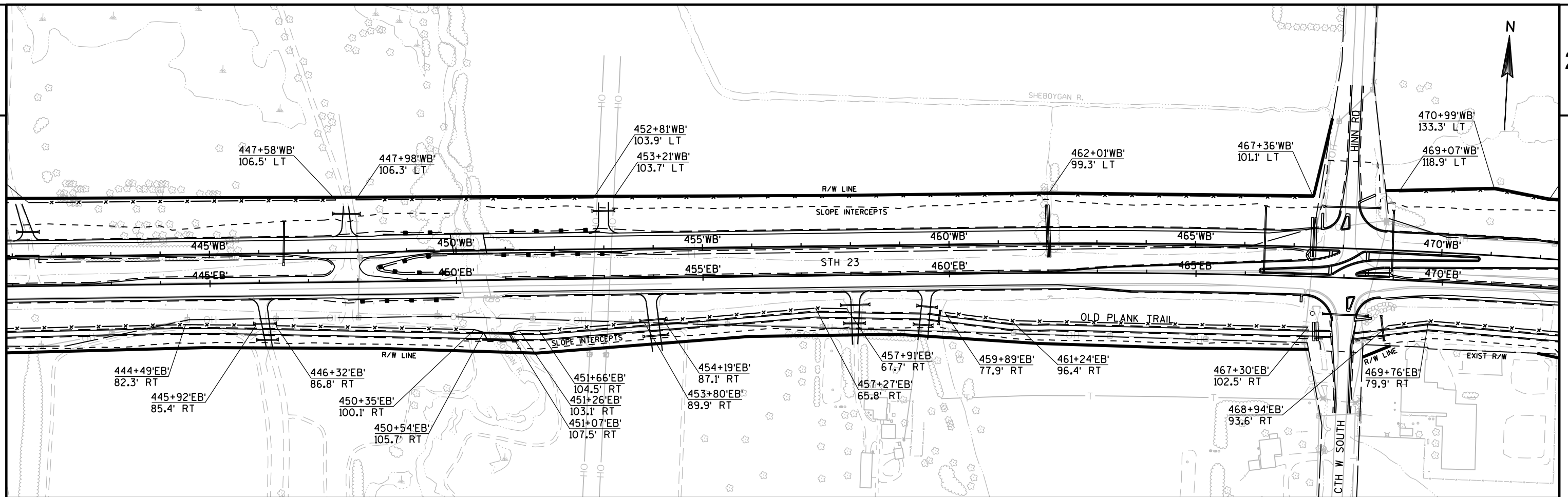
STH 23 WB & CTH G
TOWN OF FOREST
FOND DU LAC COUNTY

LIGHTING NO. 20-2041
DESIGNER: WISDOT NE REGION TRAFFIC UNIT
DATE: 1-15-2019
SHEET NO. 1 OF 1

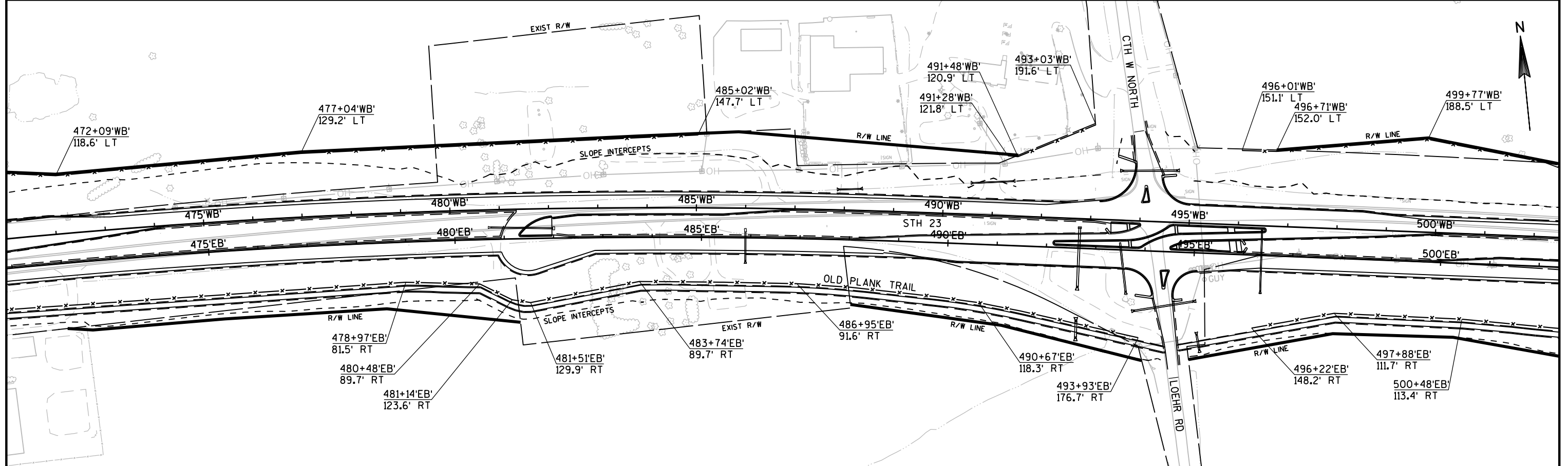




2



2



PROJECT NO:1440-15-72

HWY:STH 23

COUNTY:FOND DU LAC

FENCING PLAN

SHEET

E

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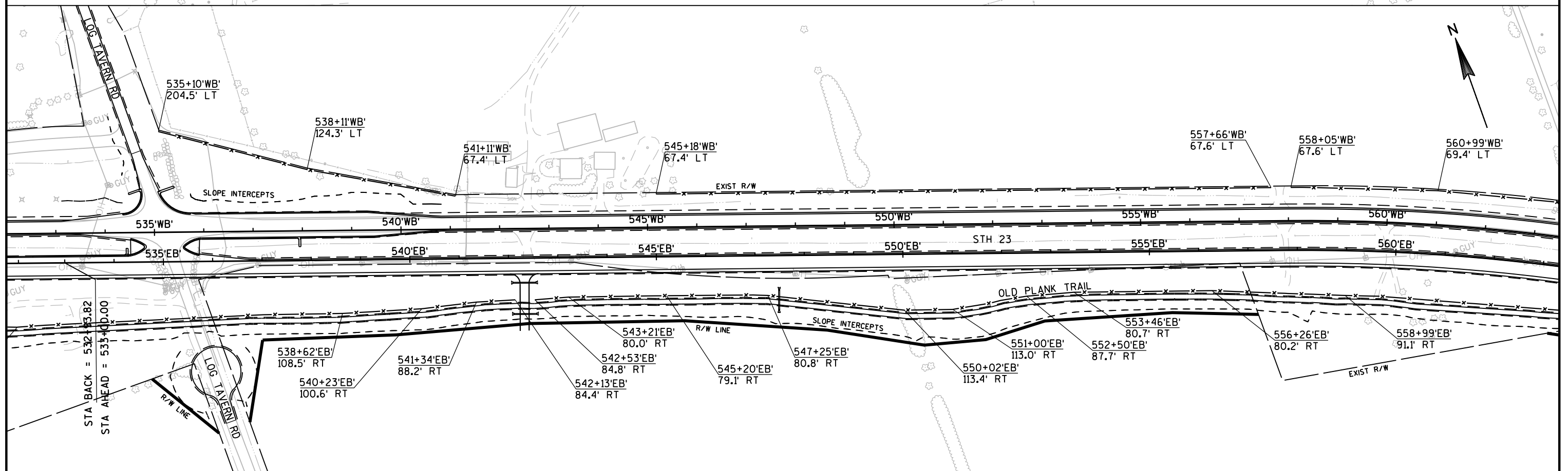
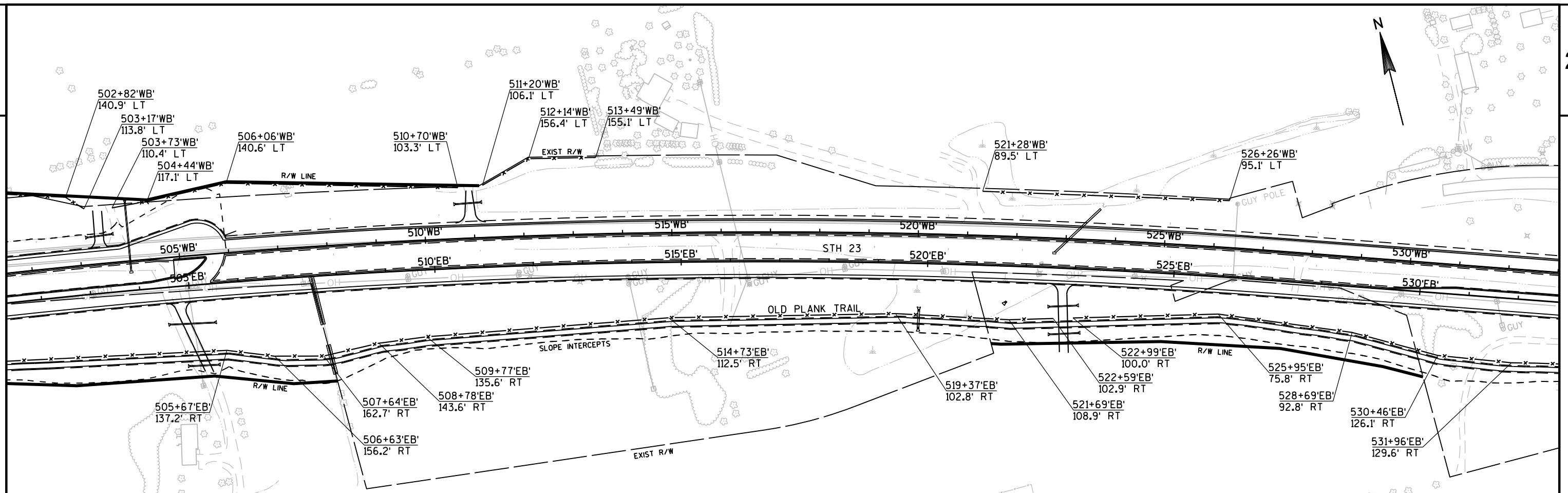
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PLOT BY : MARTENS, JOHN M

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDs SHEET 42



PROJECT NO:1440-15-72

HWY:STH 23

COUNTY:FOND DU LAC

FENCING PLAN

SHEET

E

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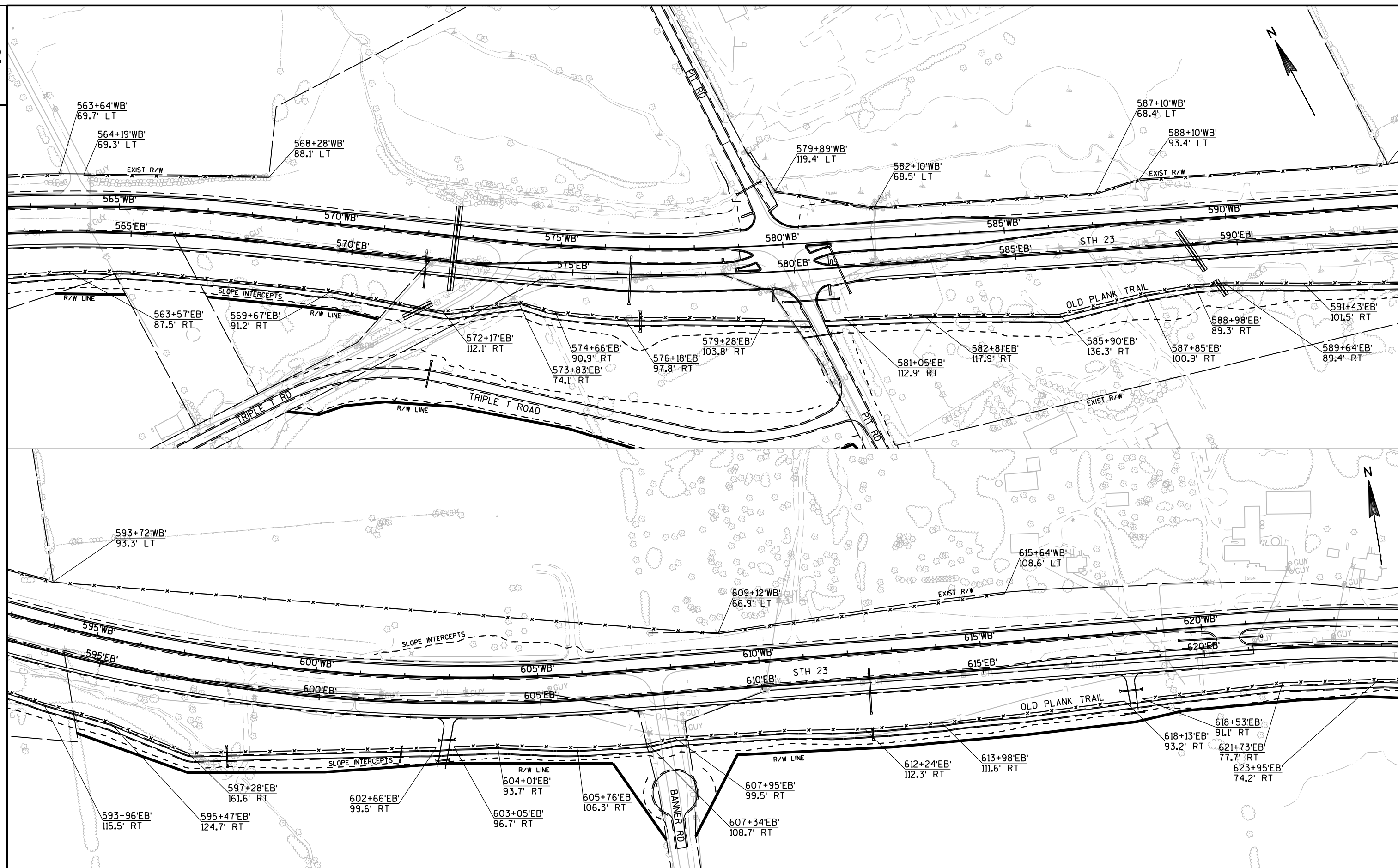
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PLOT BY : MARTENS, JOHN M

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDs SHEET 42



PROJECT NO:1440-15-72

HWY:STH 23

COUNTY:FOND DU LAC

FENCING PLAN

SHEET

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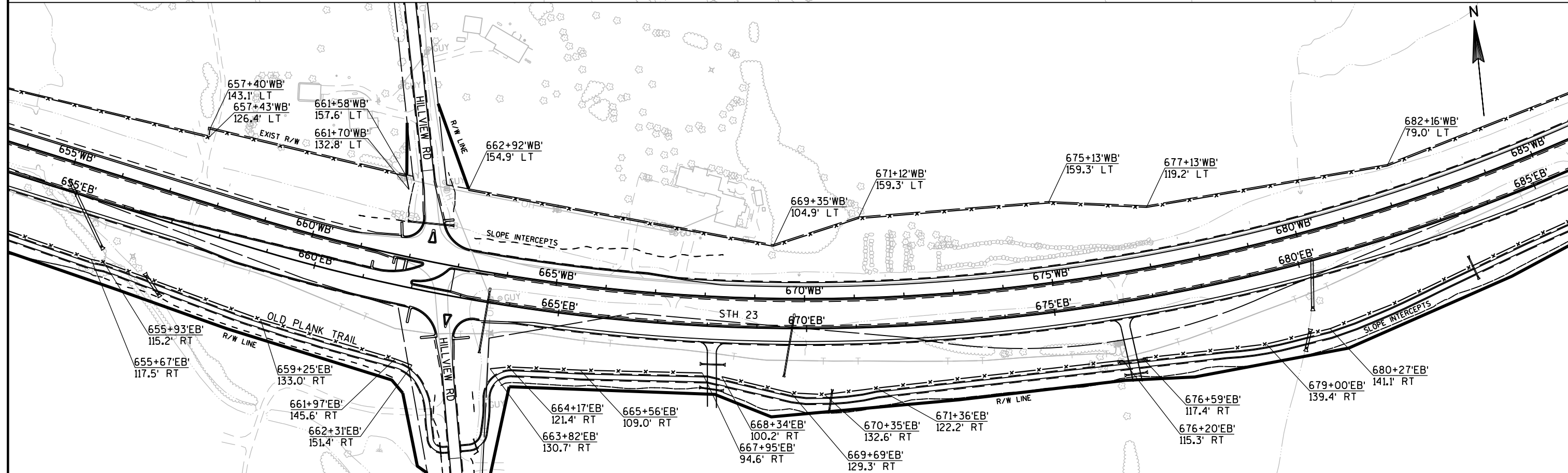
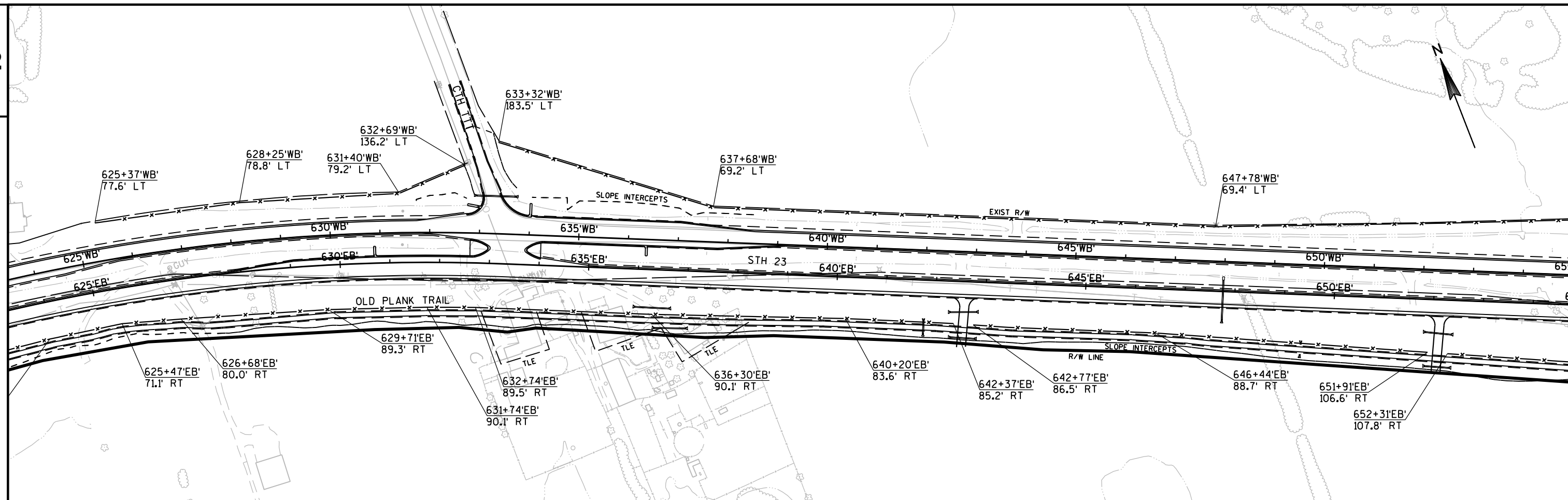
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PLOT BY : MARTENS, JOHN M

PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDs SHEET 42



PROJECT NO:1440-15-72

HWY:STH 23

COUNTY:FOND DU LAC

FENCING PLAN

SHEET

E

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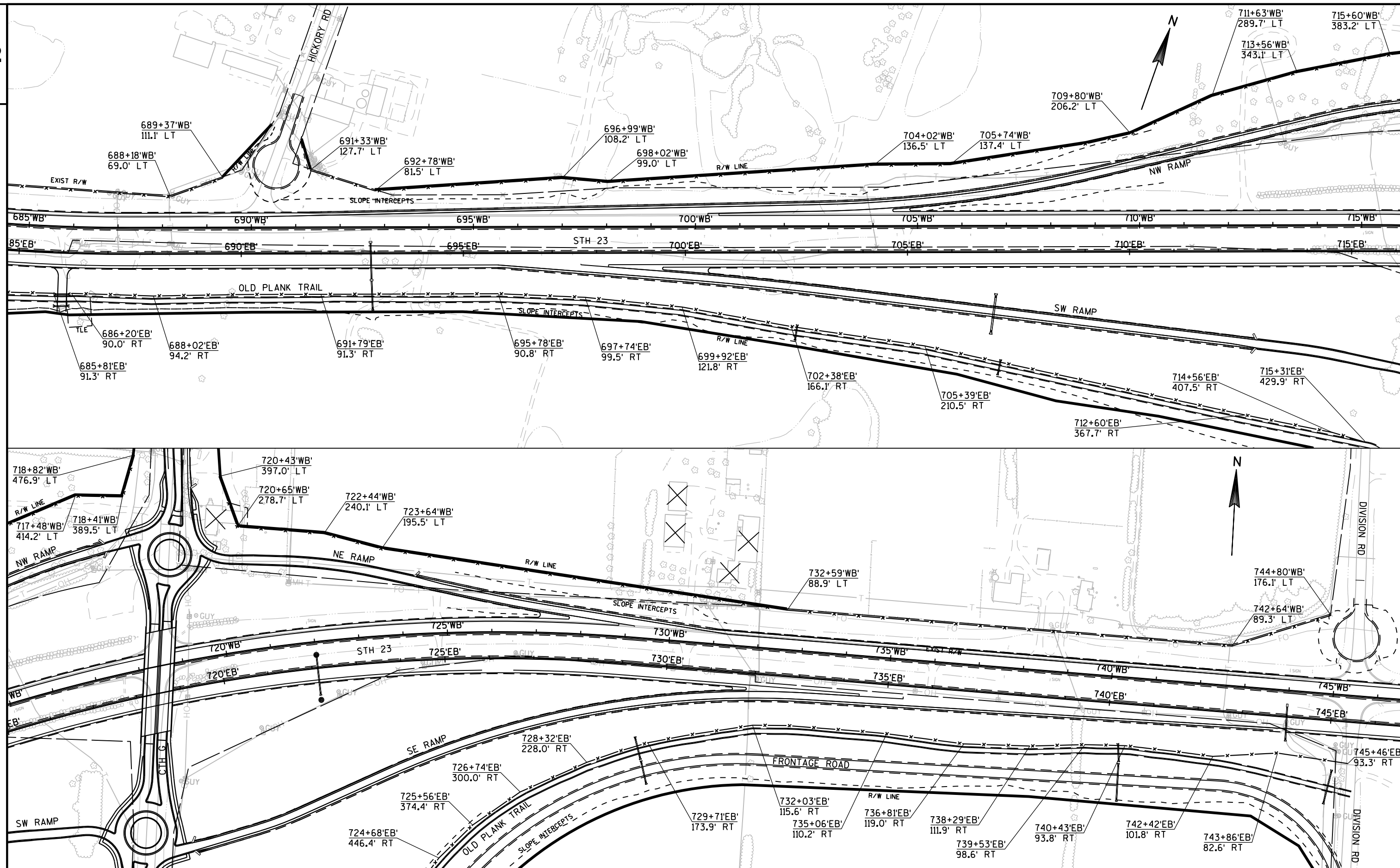
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PLOT NAME :

PLOT SCALE : 1 IN:200 FT

WISDOT/CADDs SHEET 42



PROJECT NO:1440-15-72

HWY:STH 23

COUNTY:FOND DU LAC

FENCING PLAN

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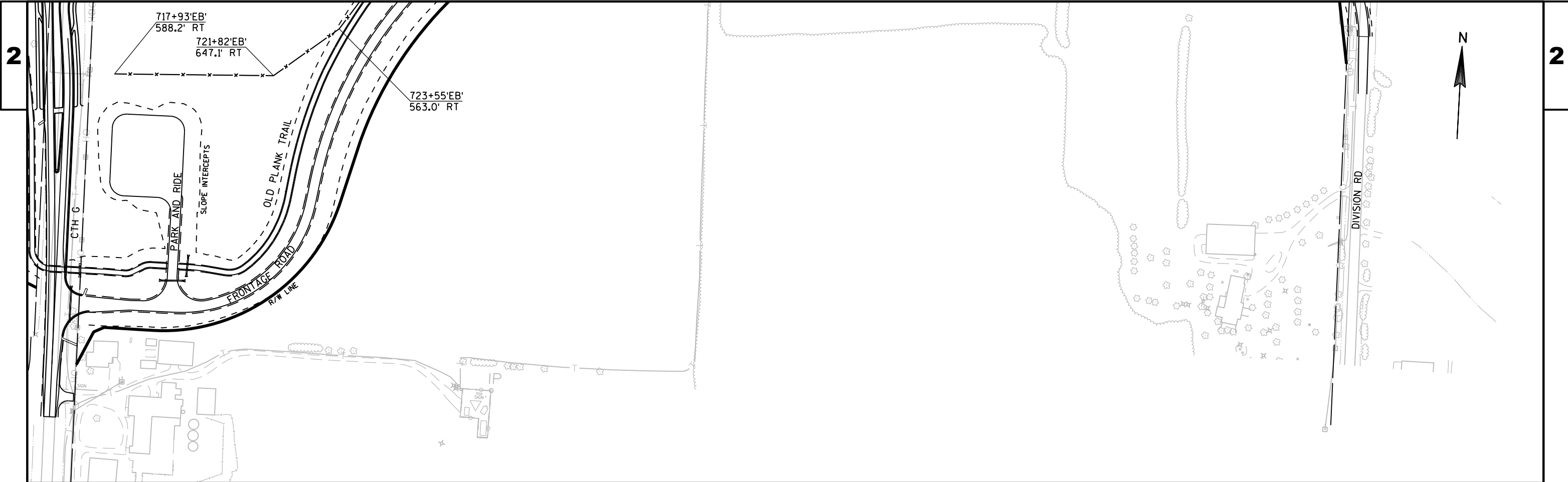
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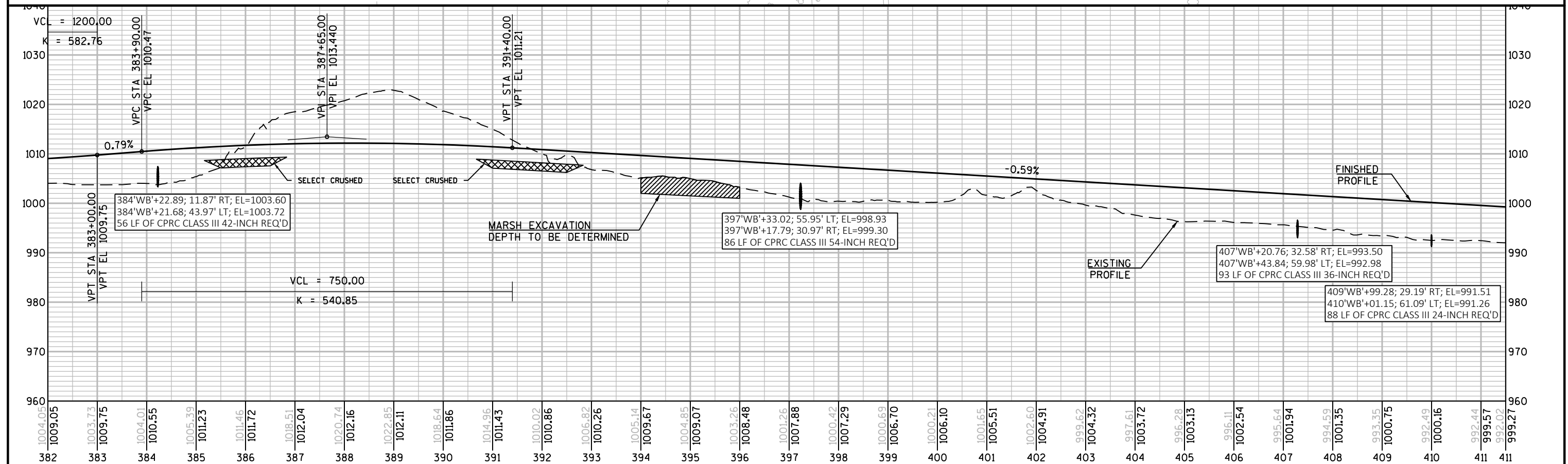
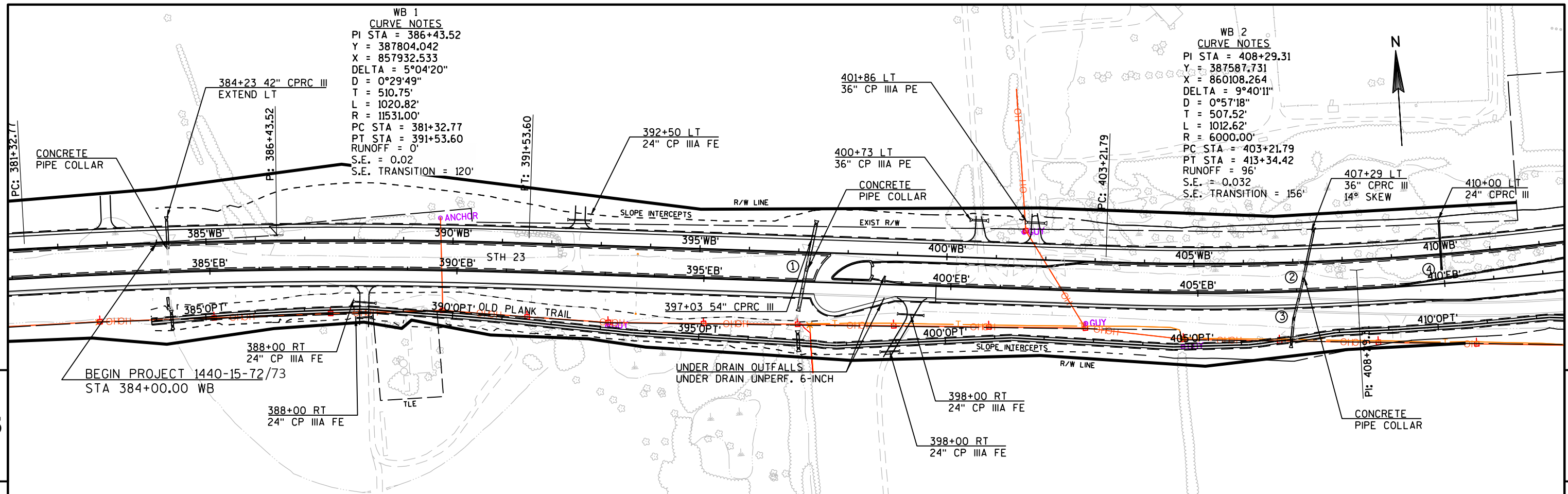
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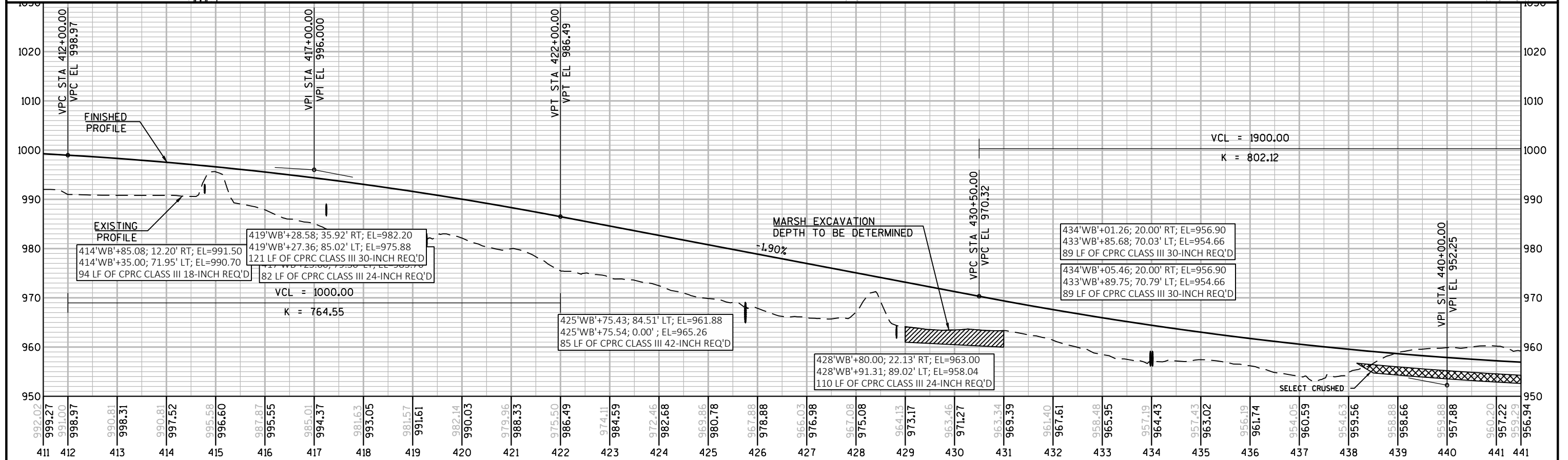
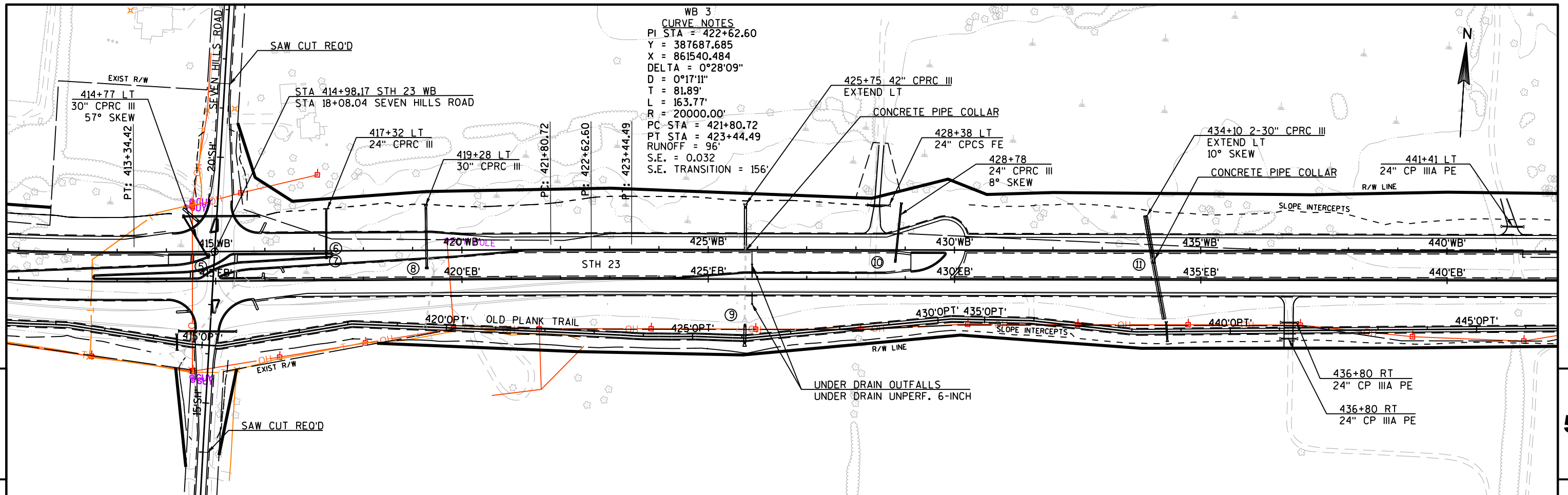
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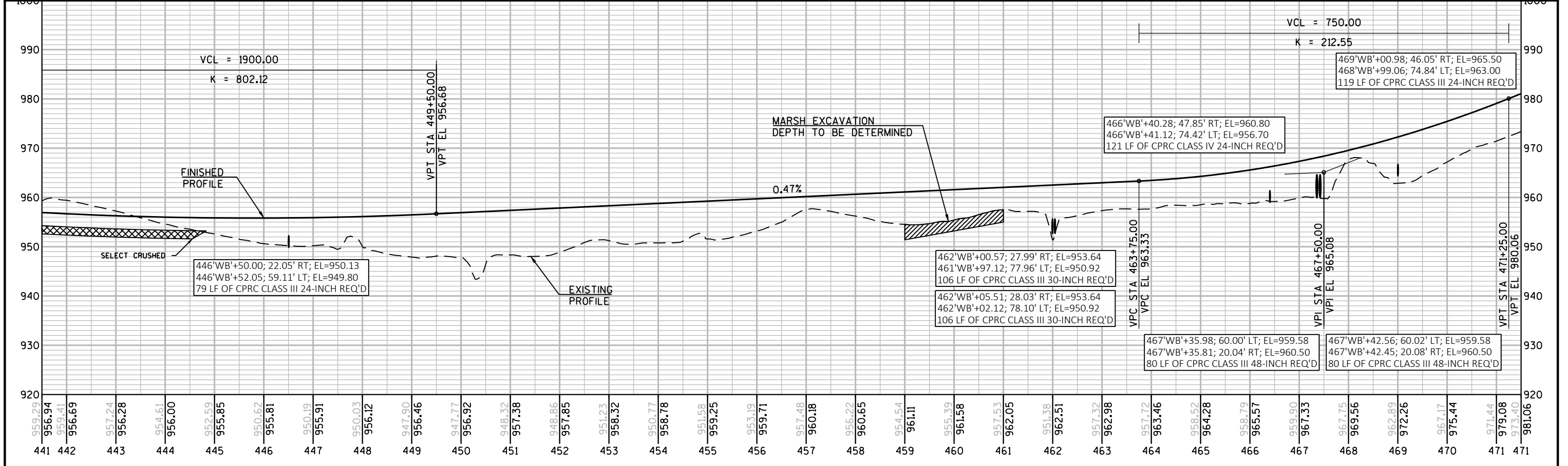
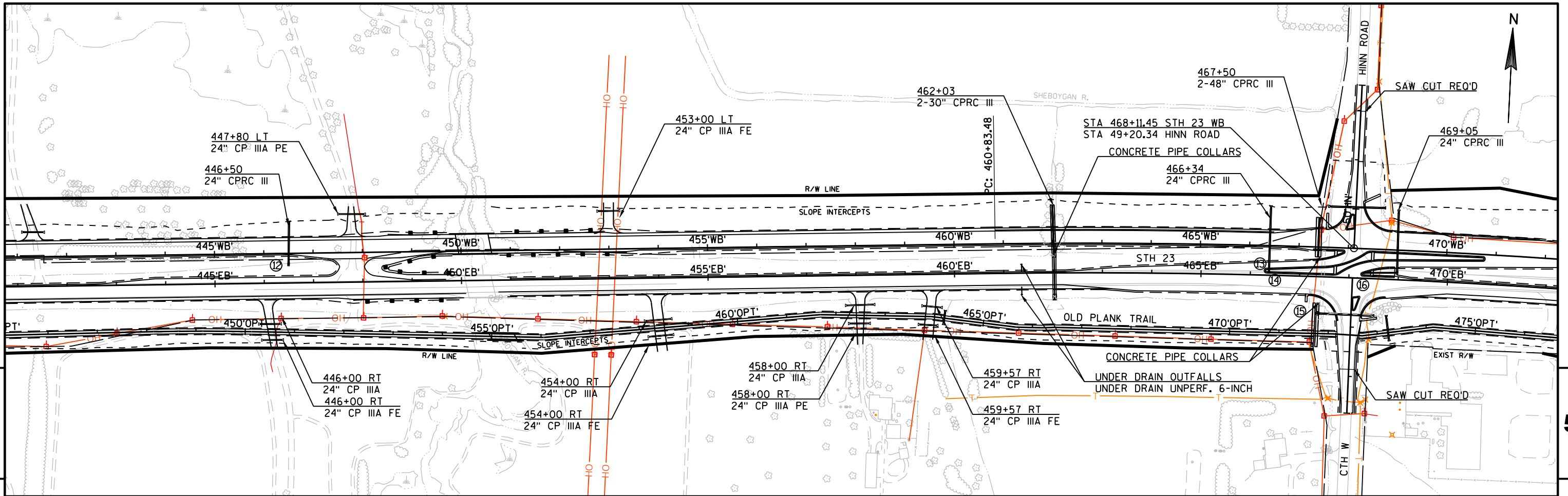
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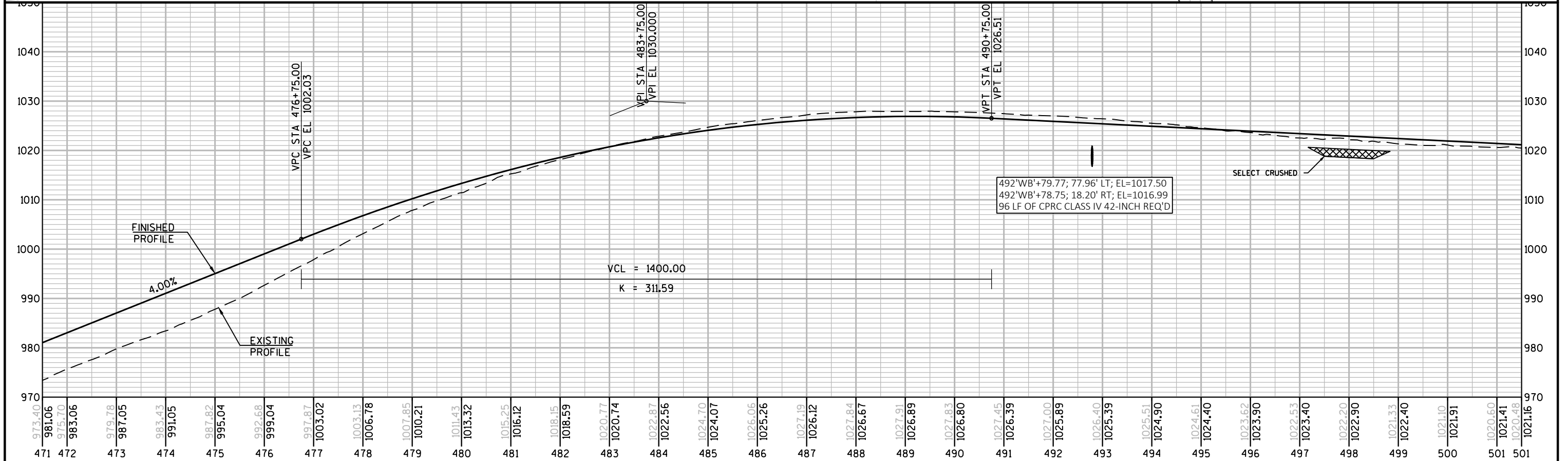
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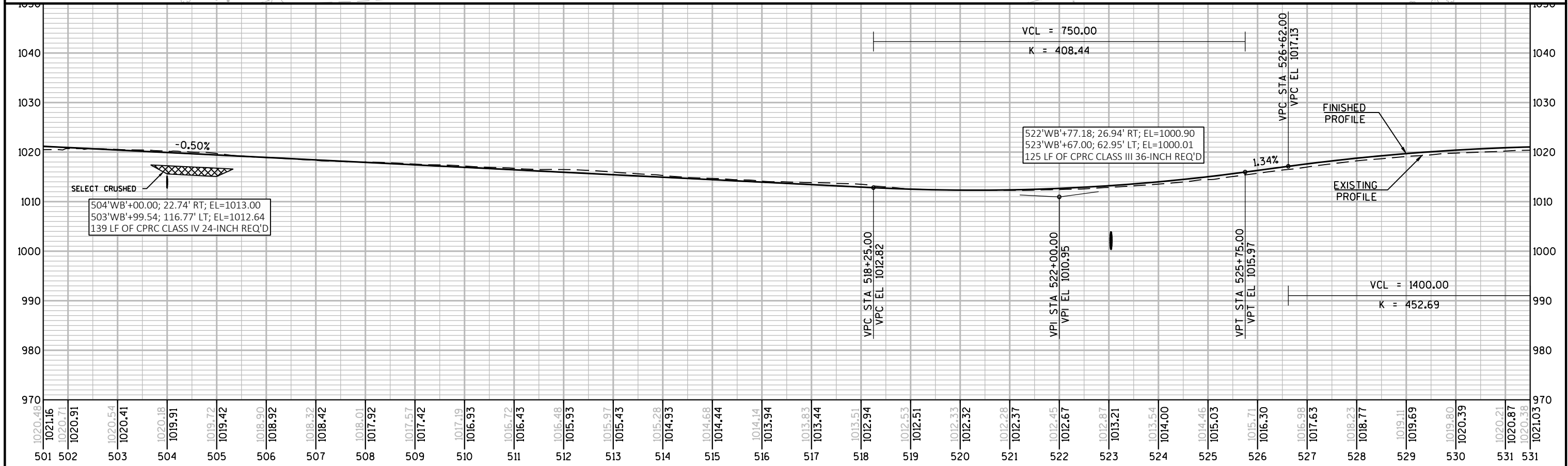
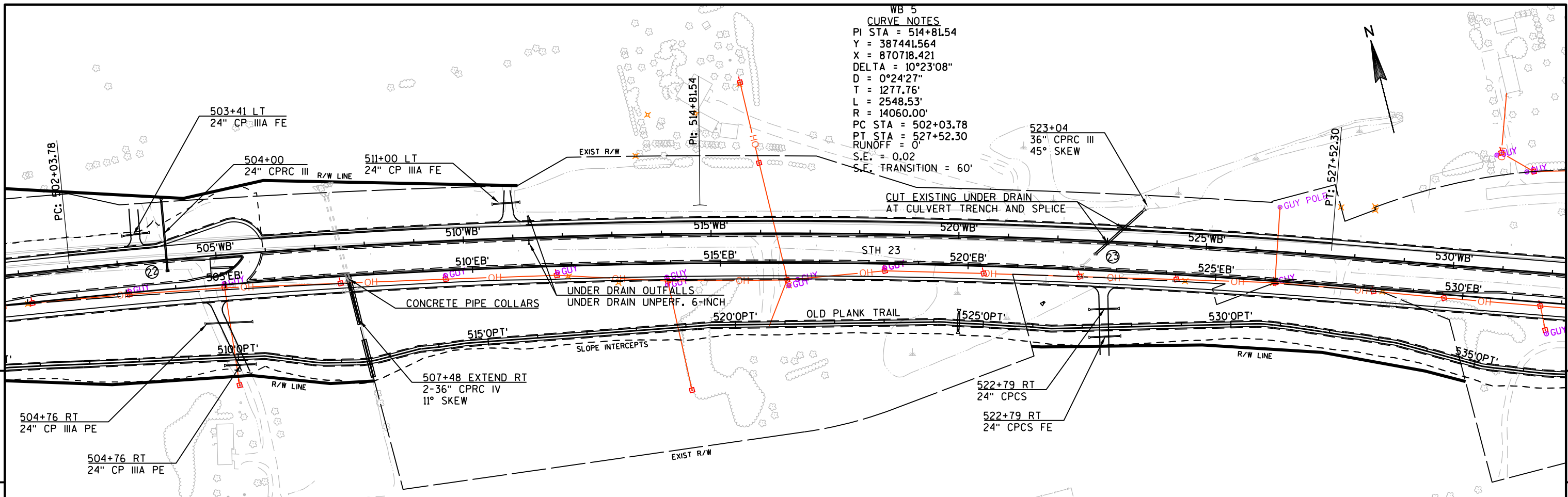


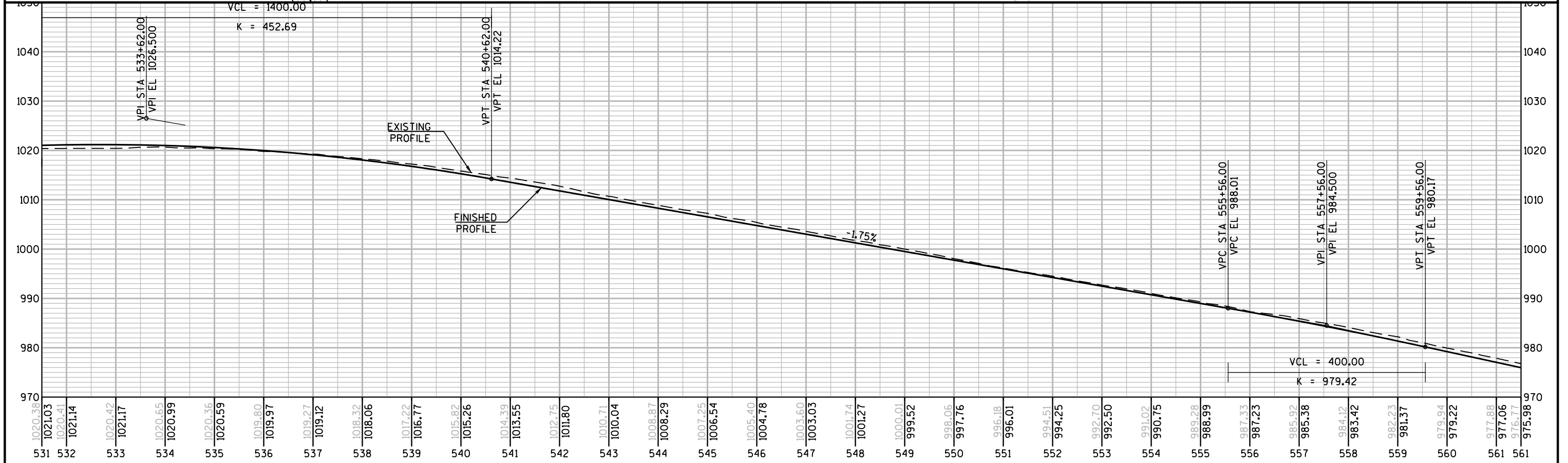
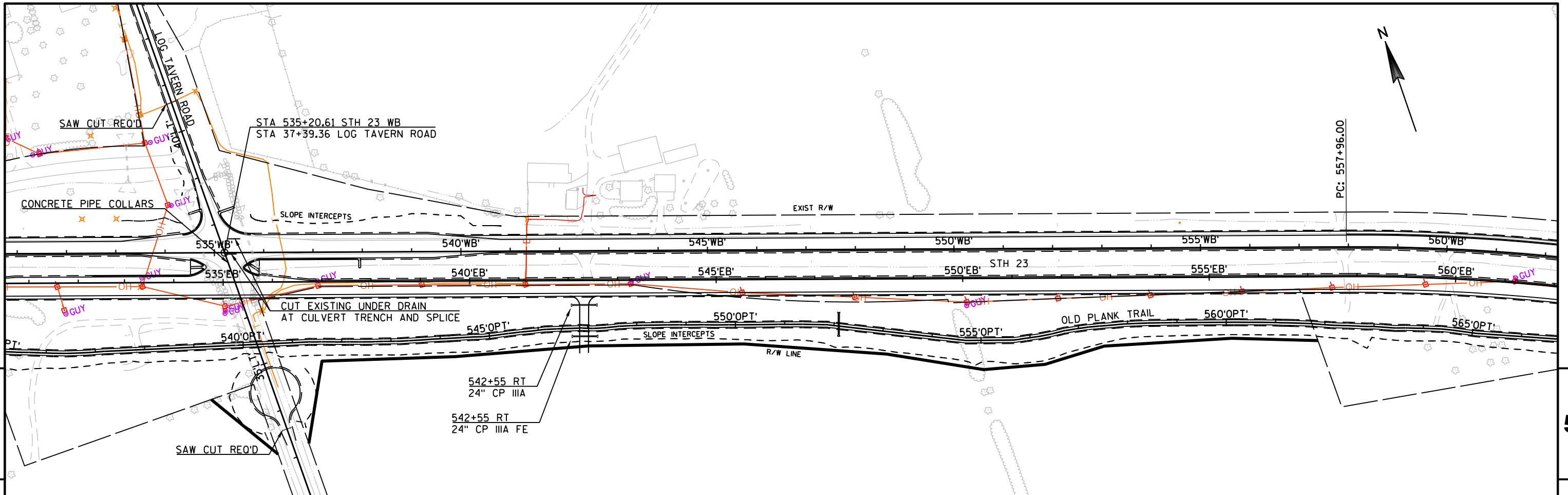




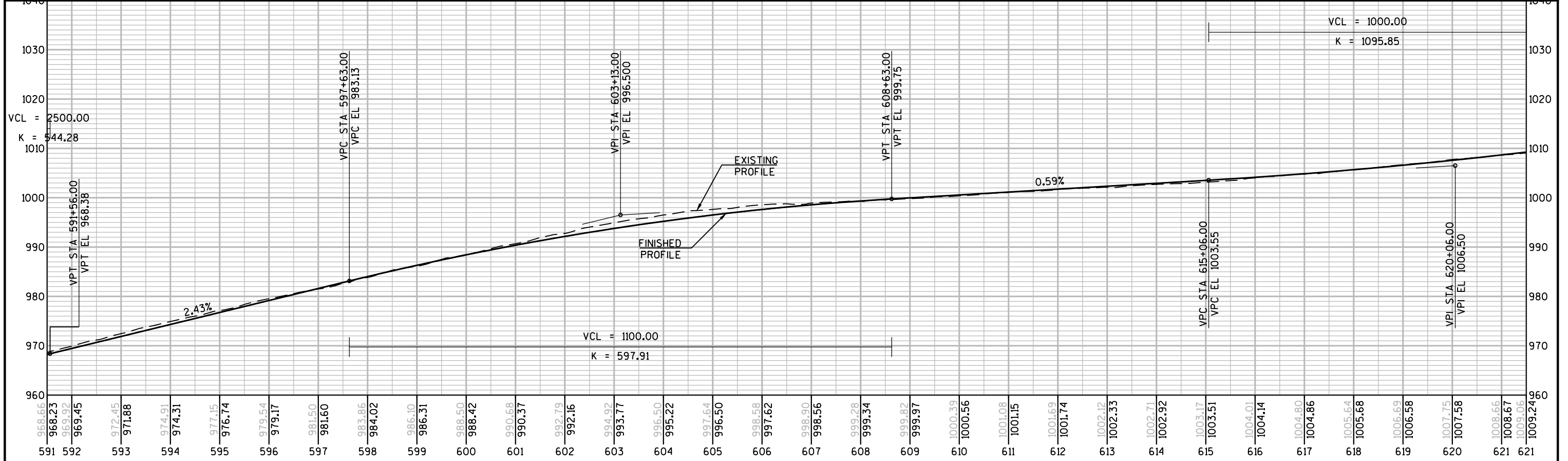
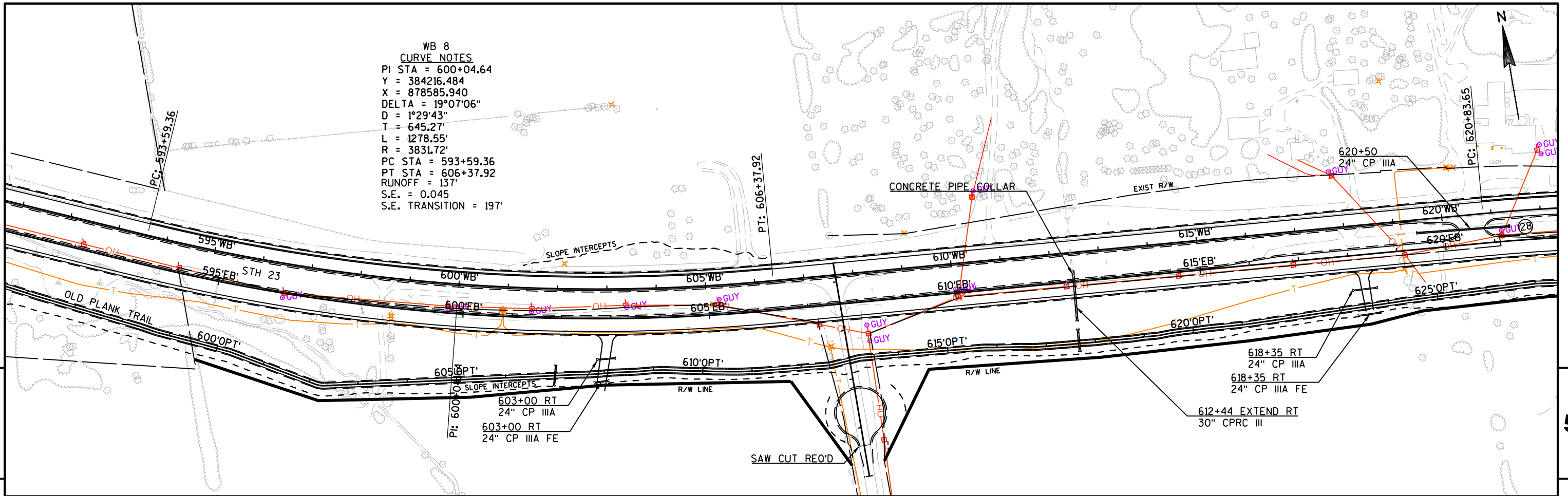


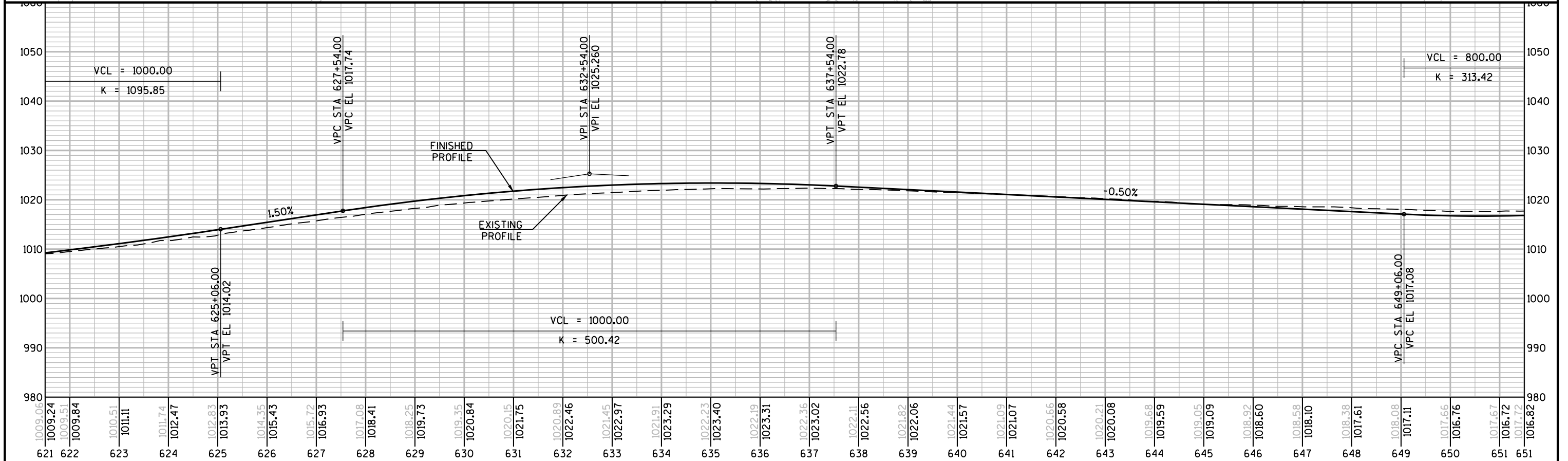
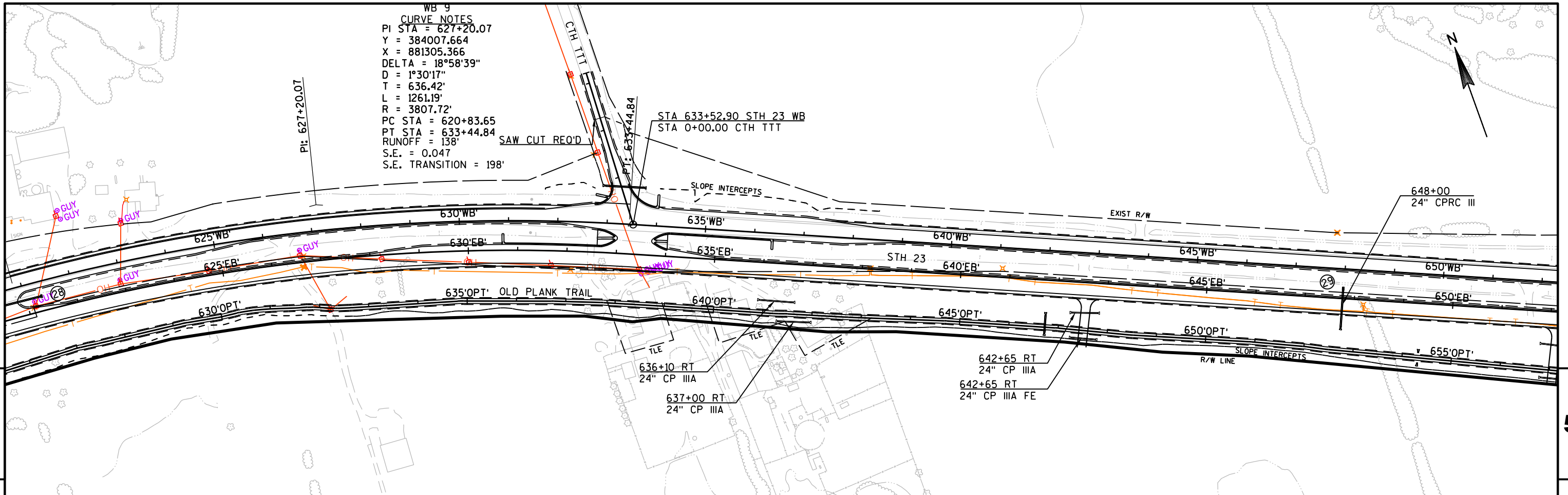


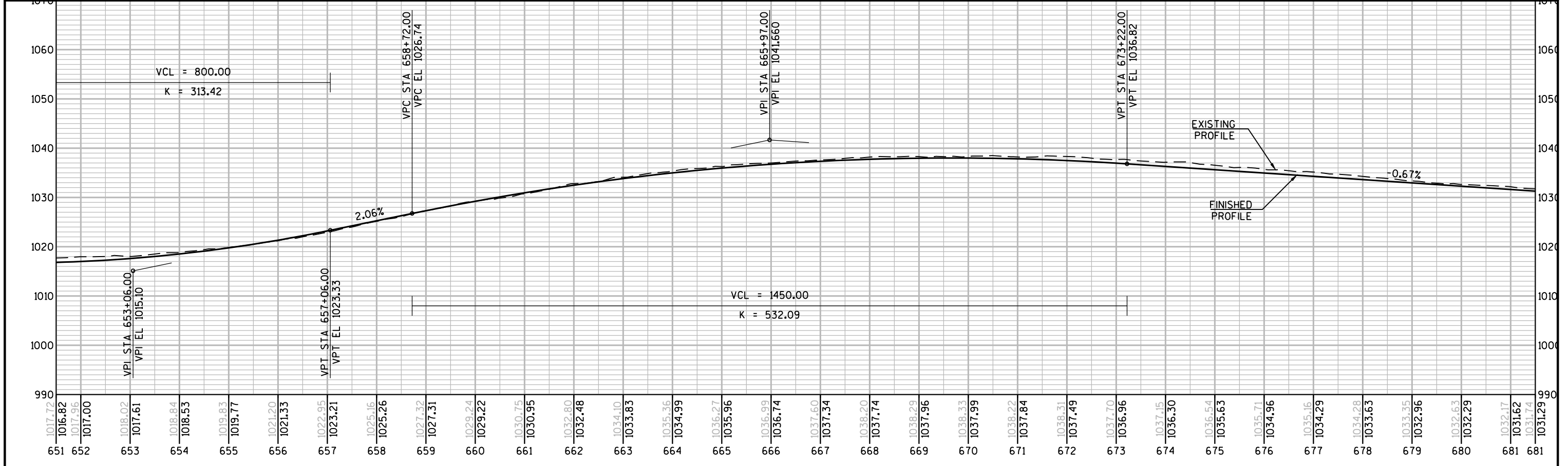
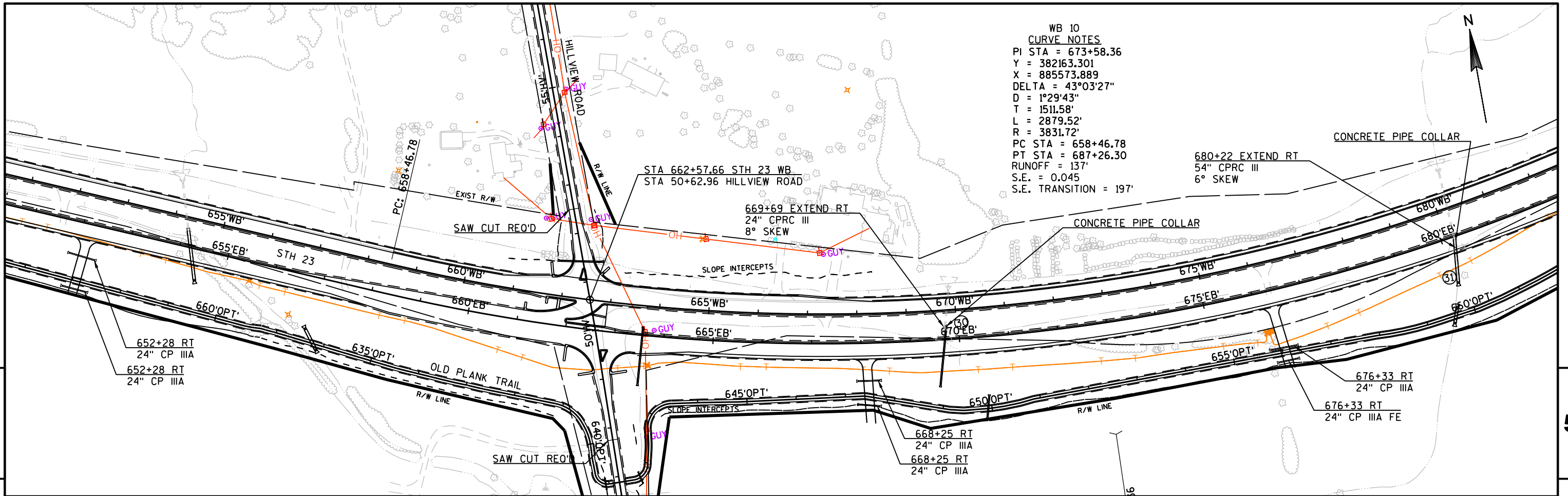


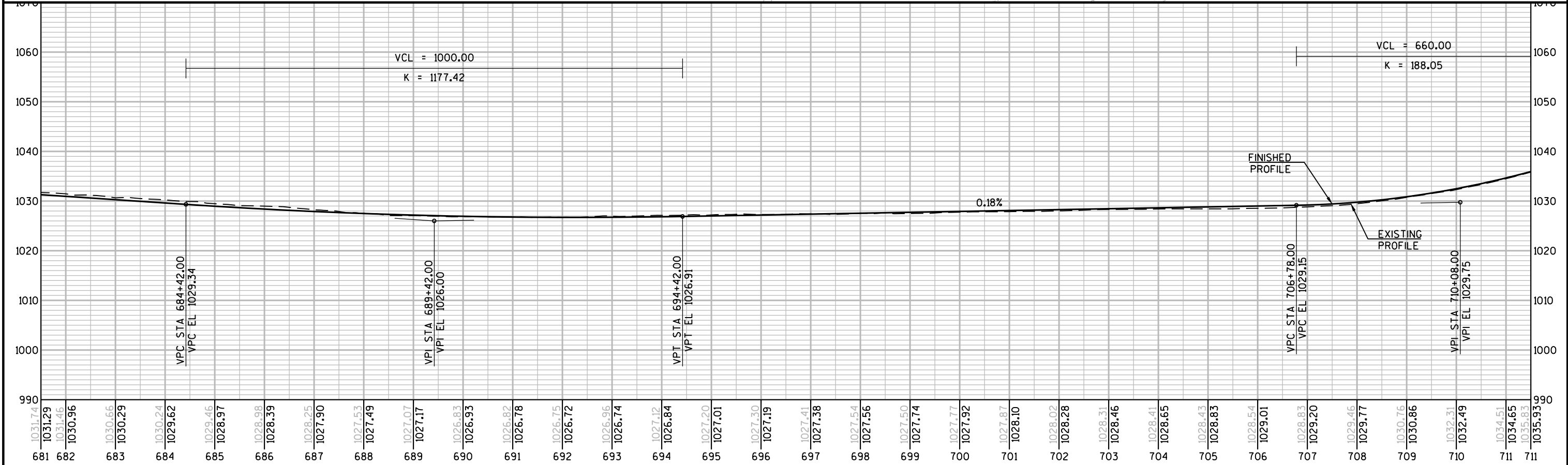
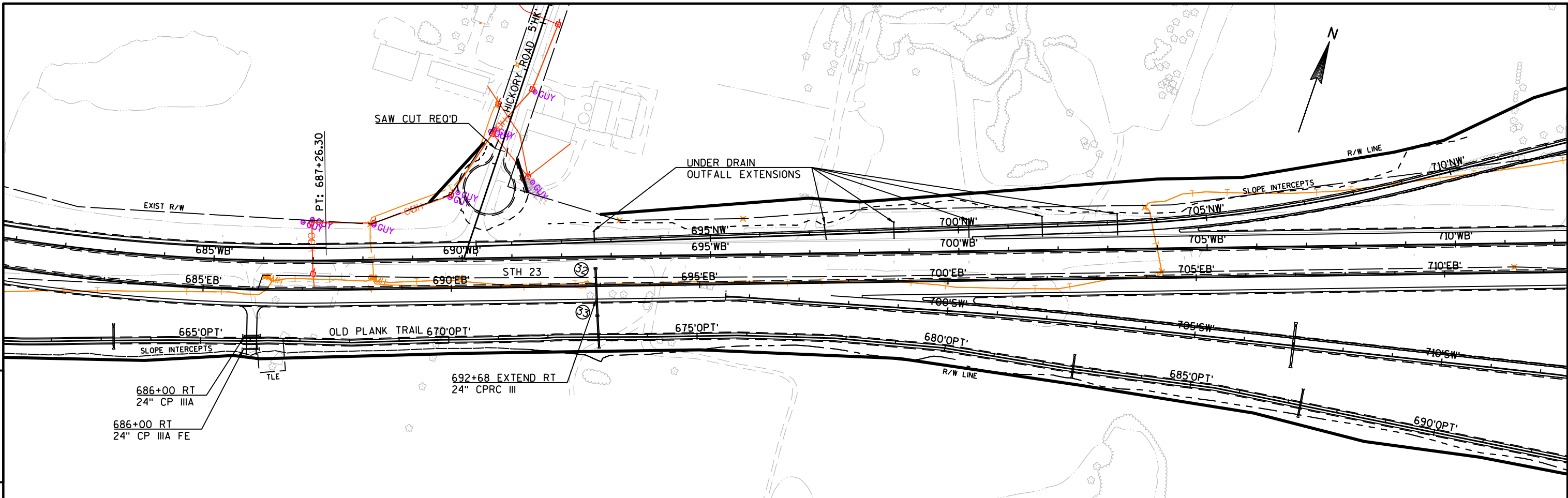


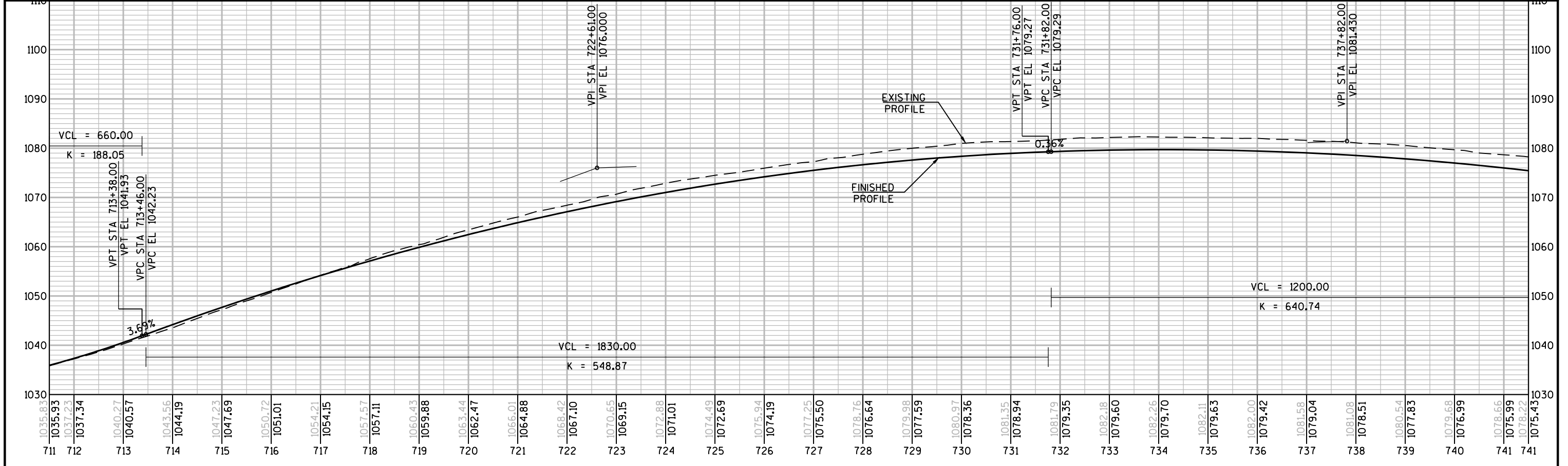
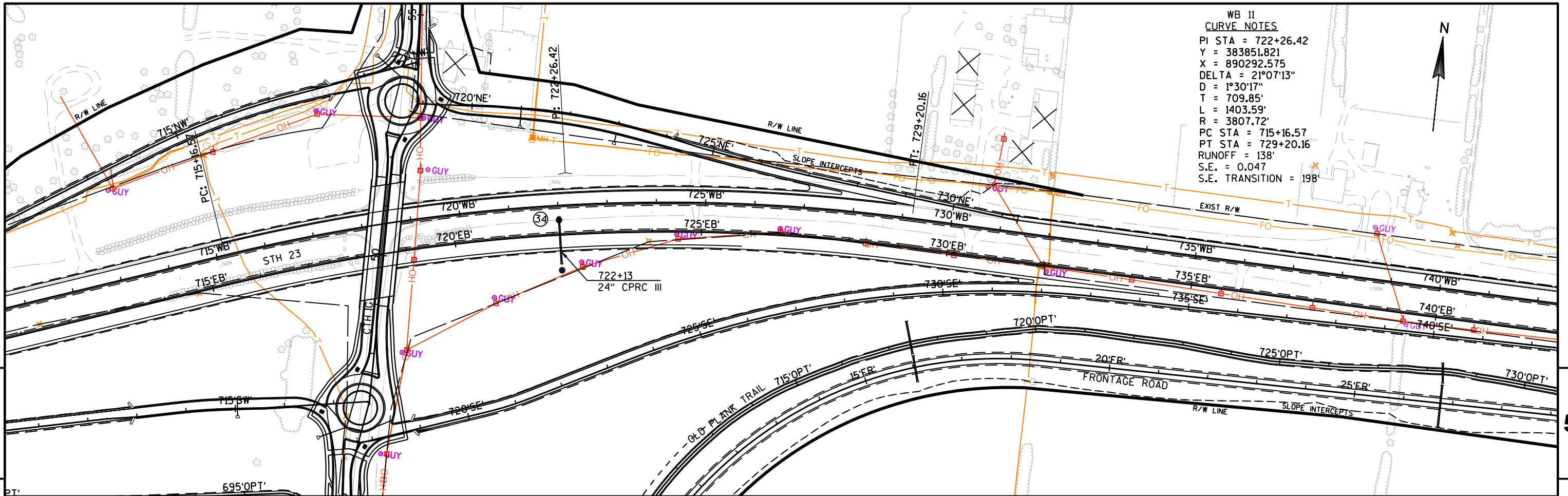
PROJECT NO:1440-15-72/73	HWY:STH 23	COUNTY:FOND DU LAC	PLAN AND PROFILE: WESTBOUND	SHEET	E
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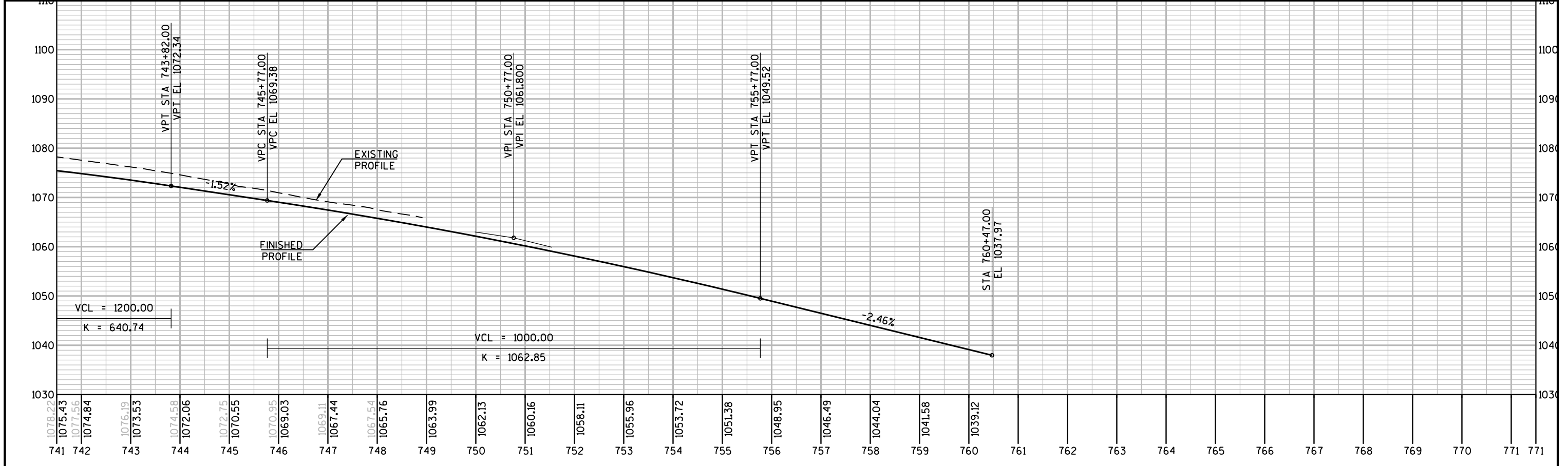
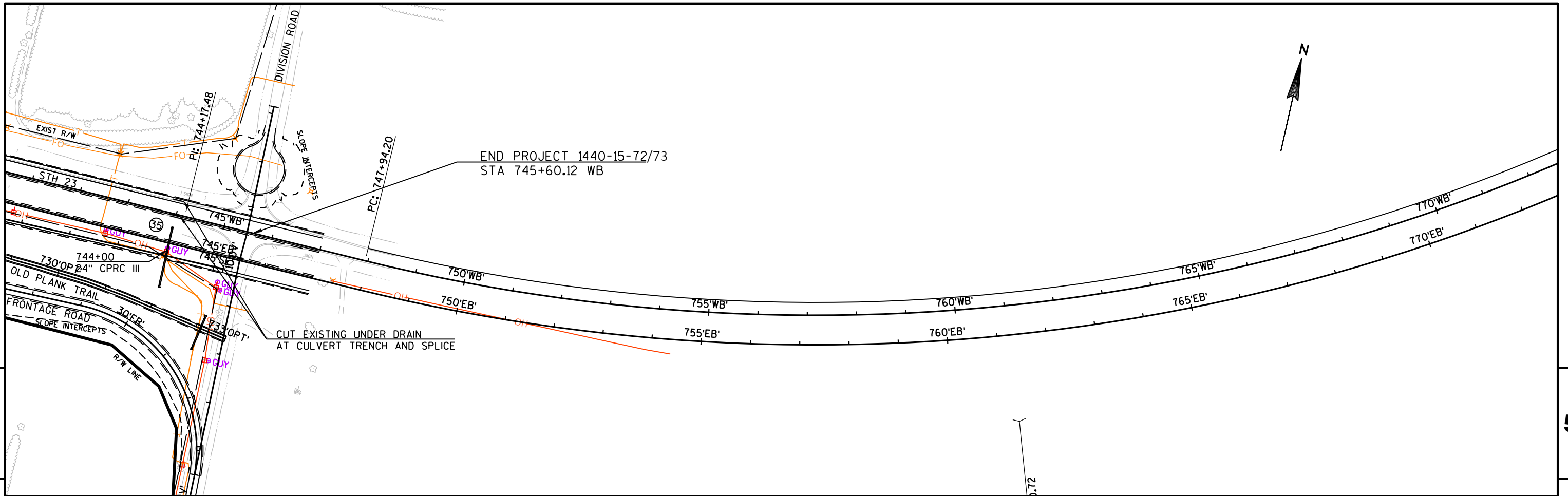


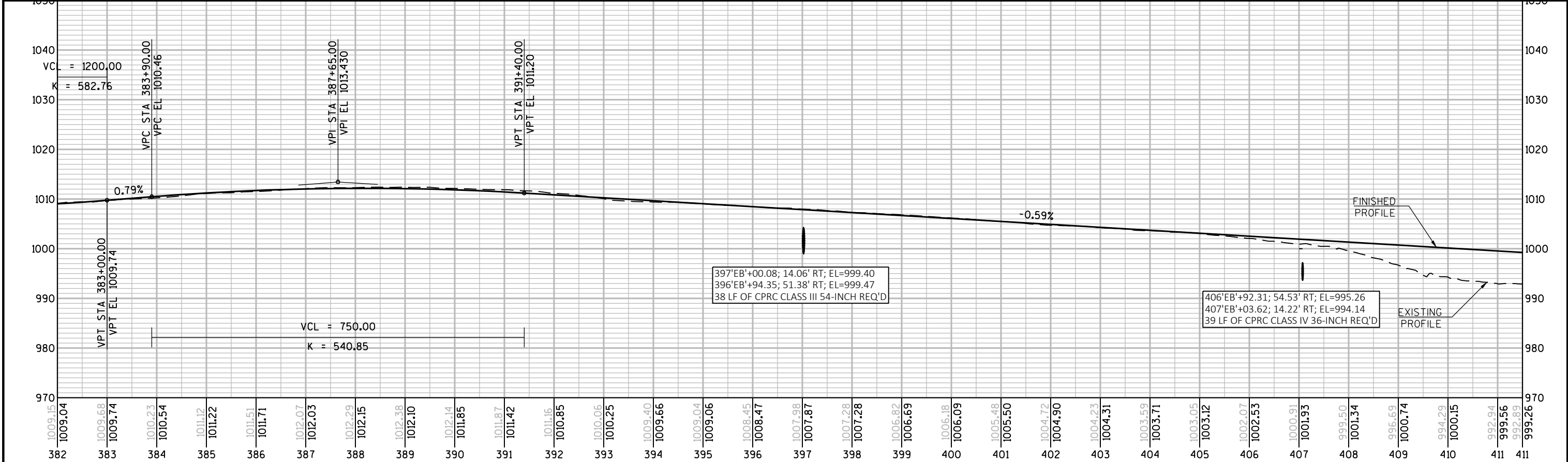
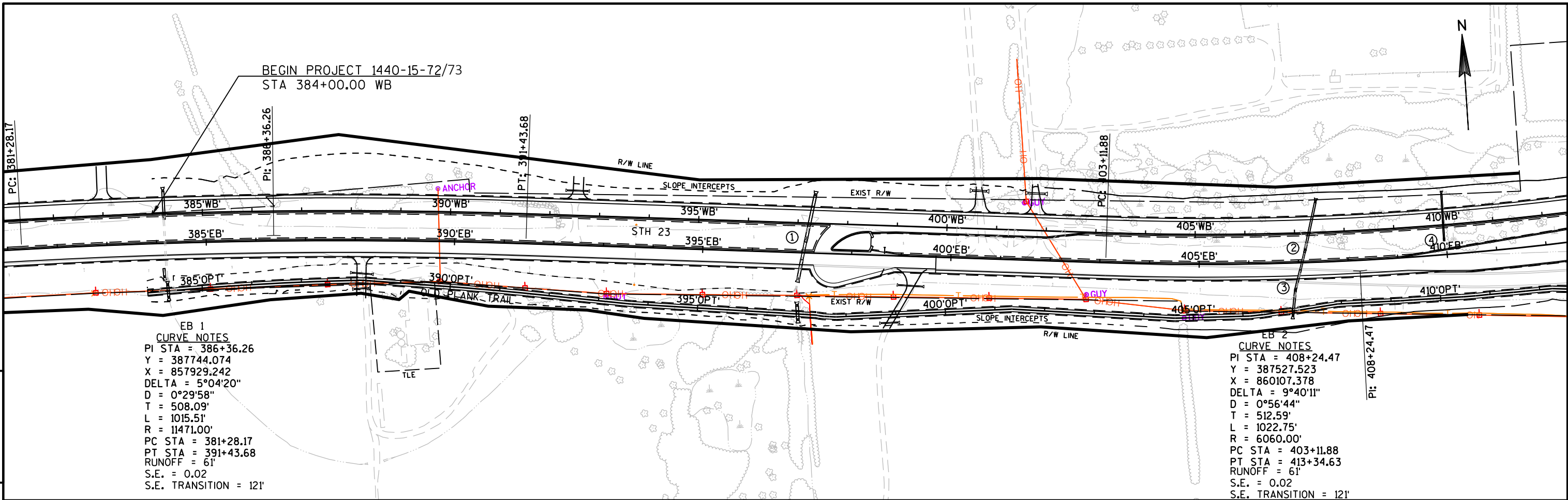


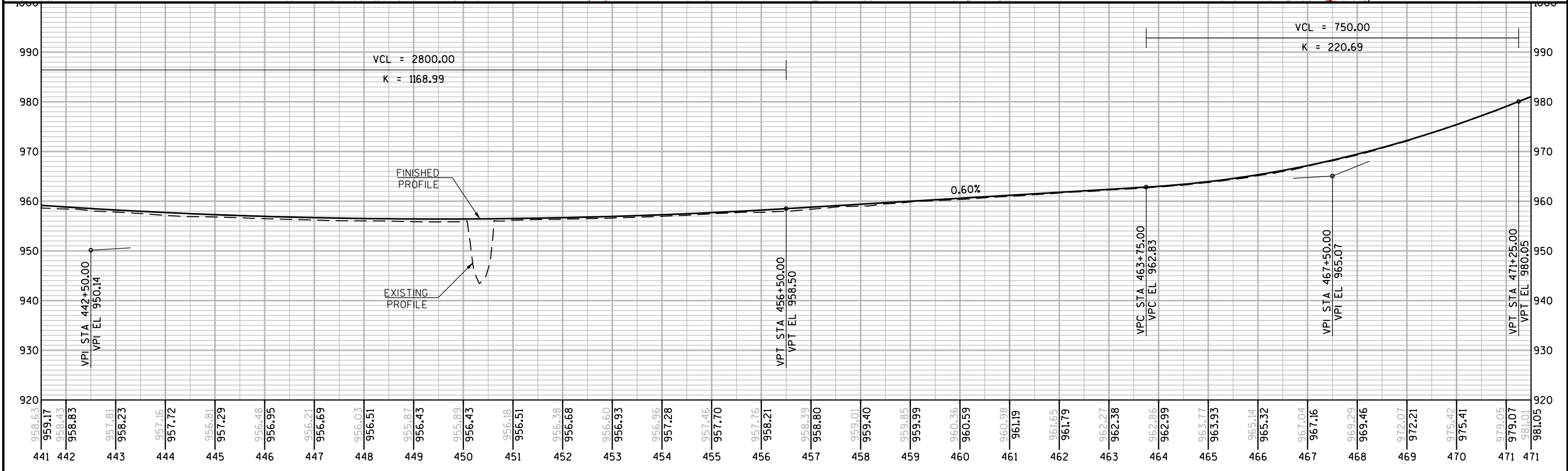
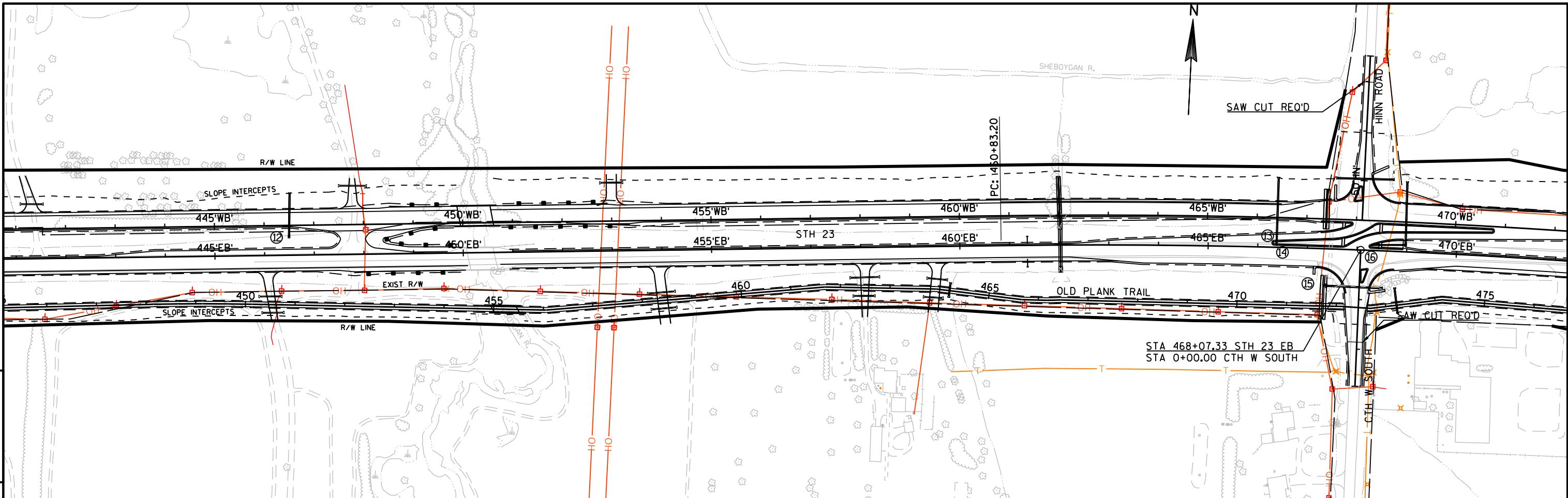


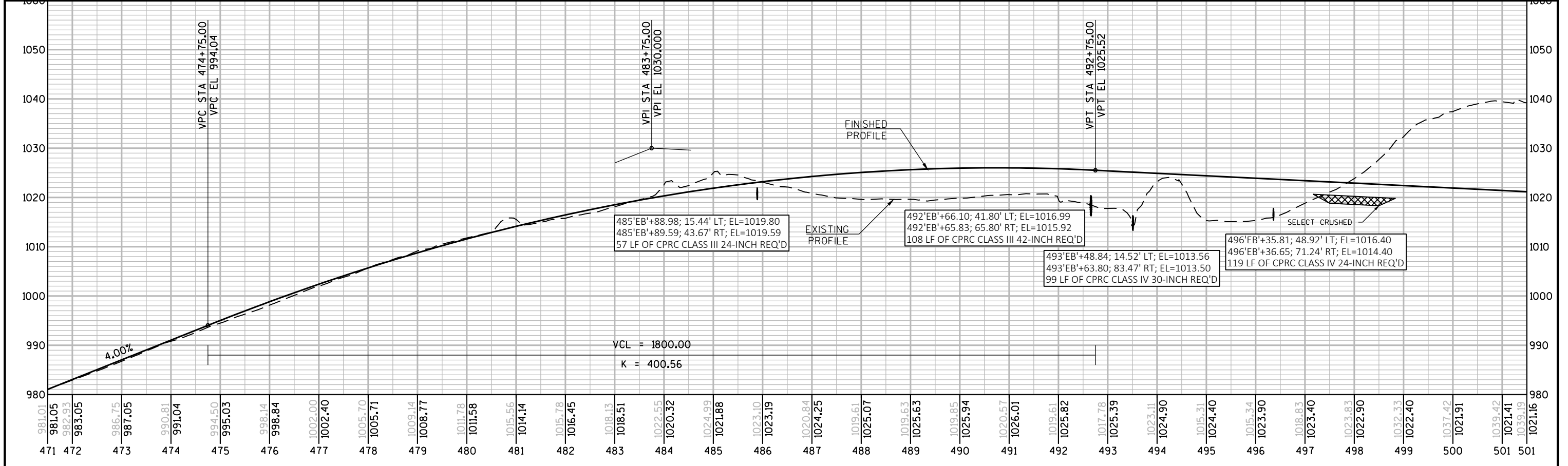
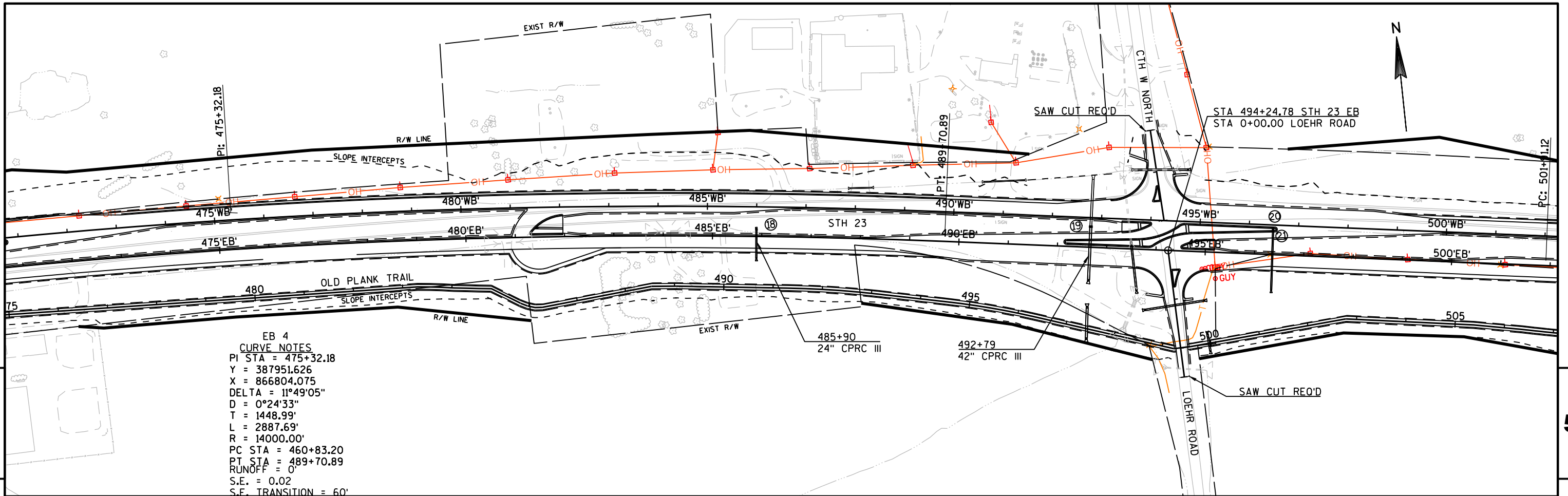


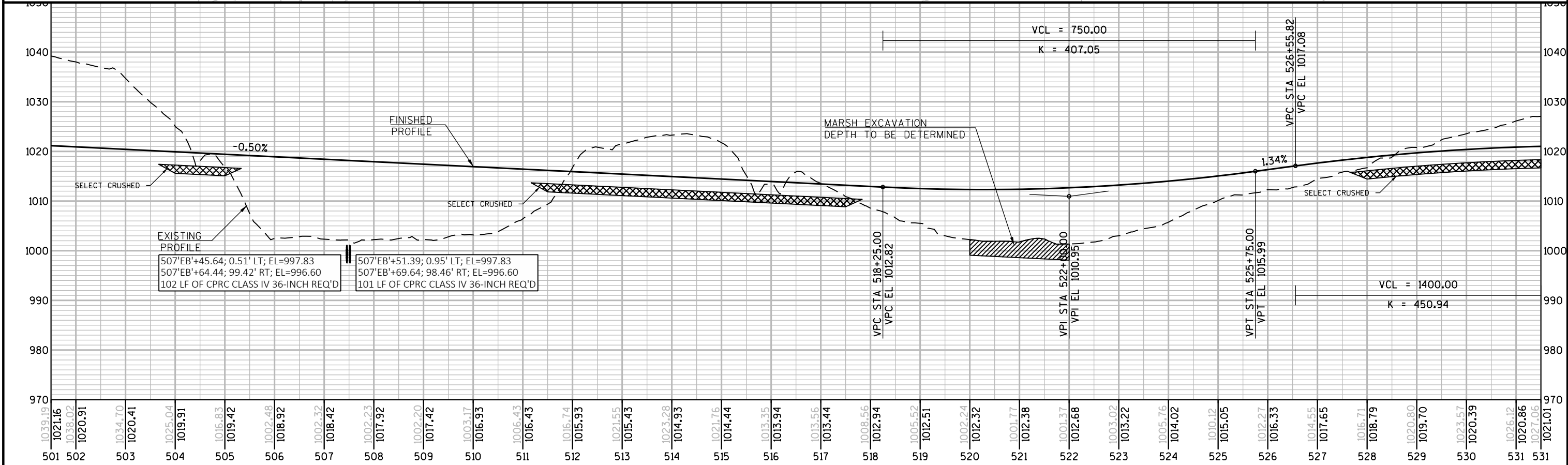
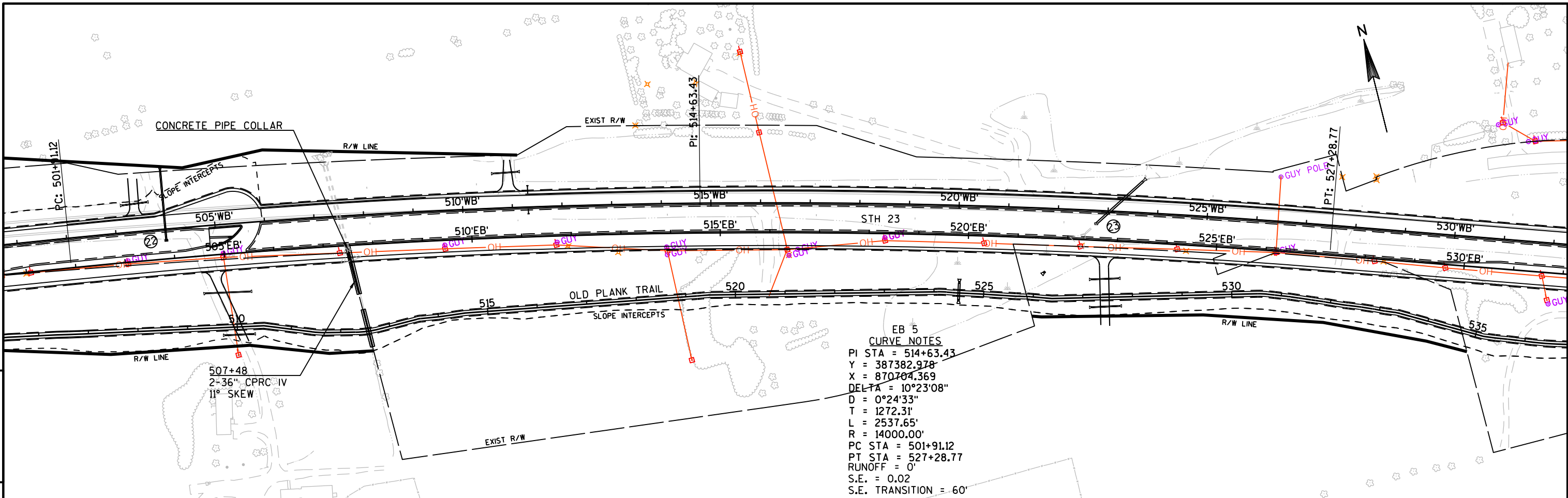


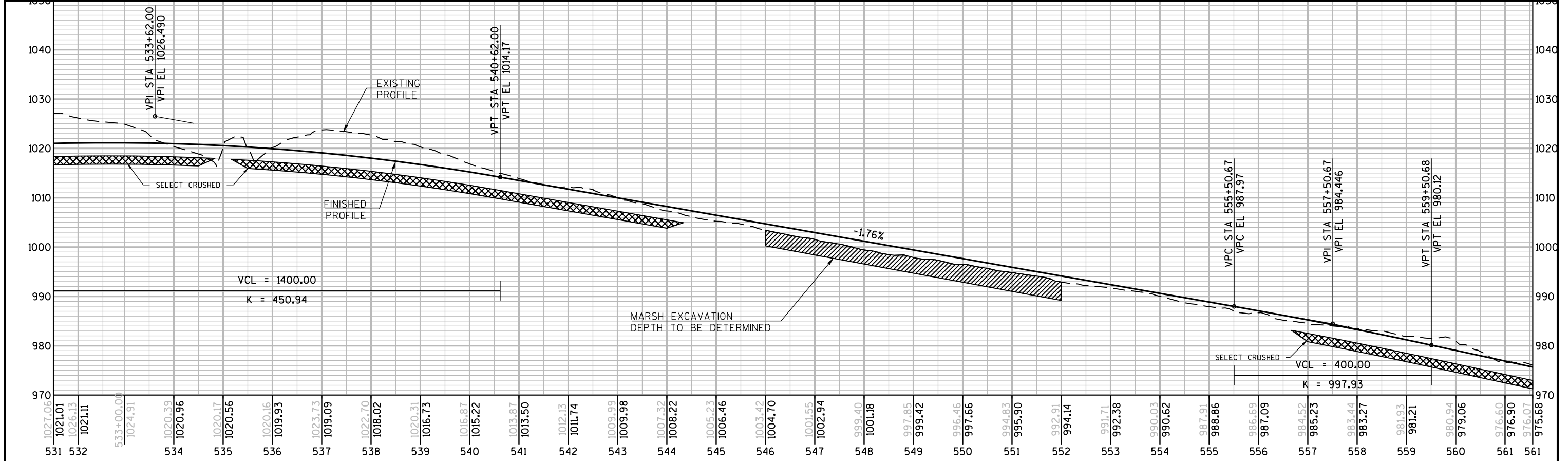
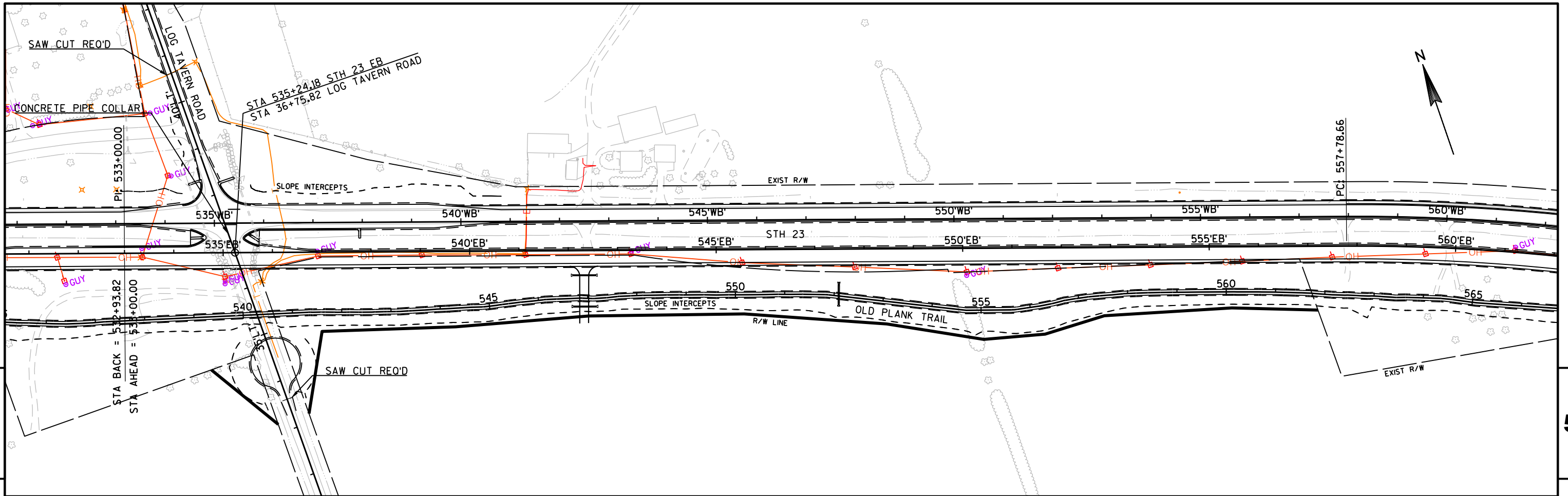




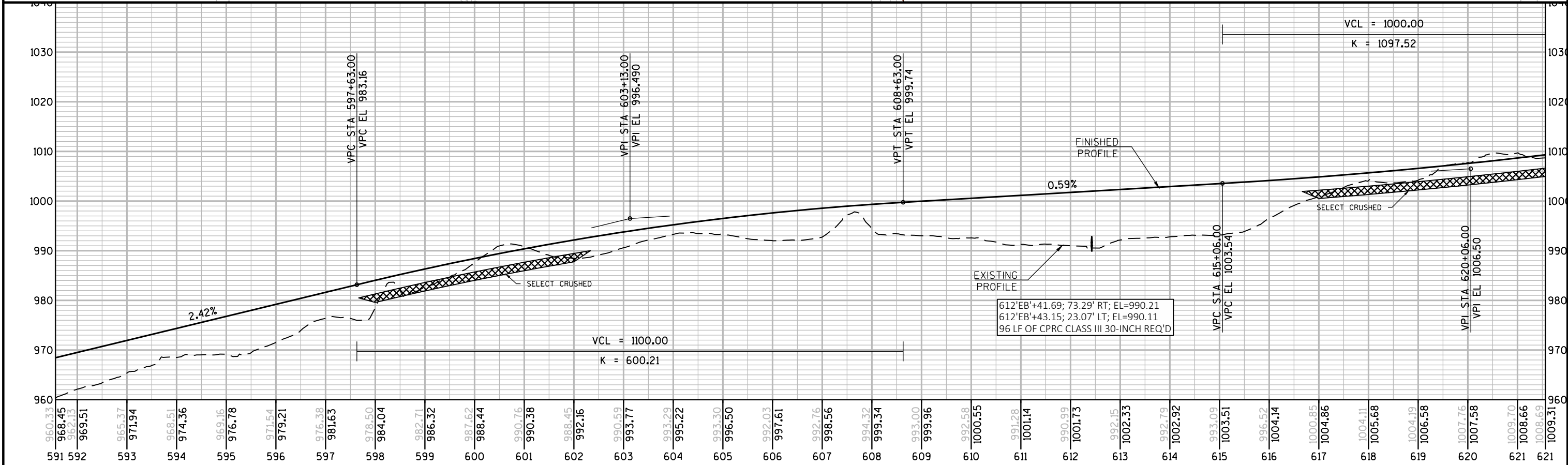
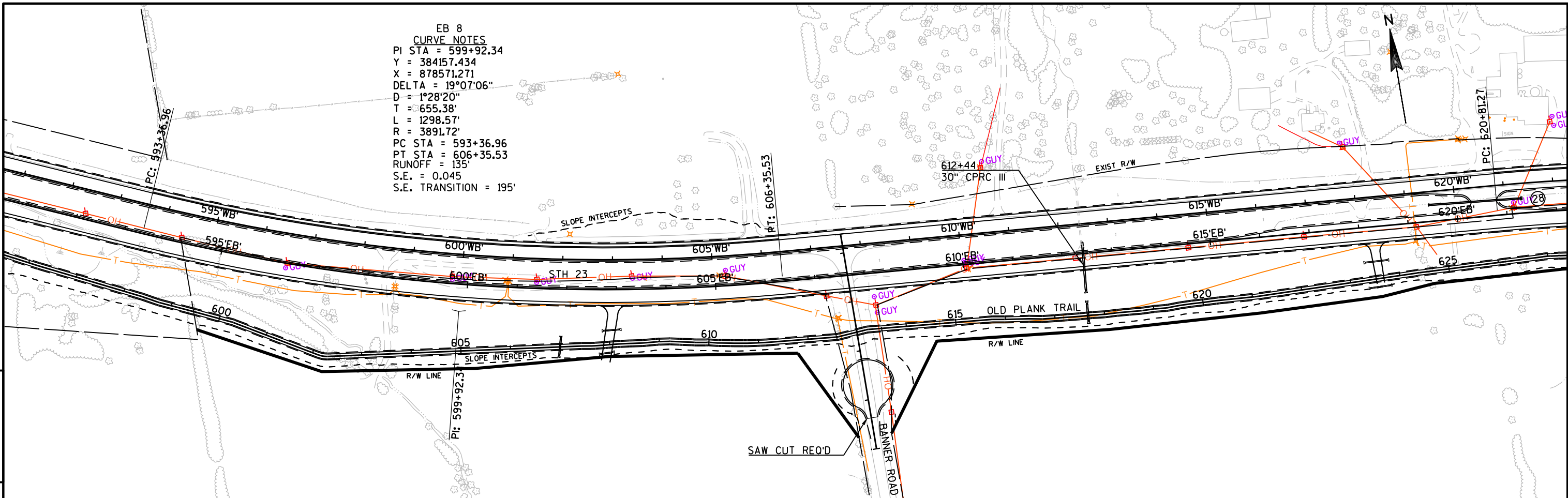


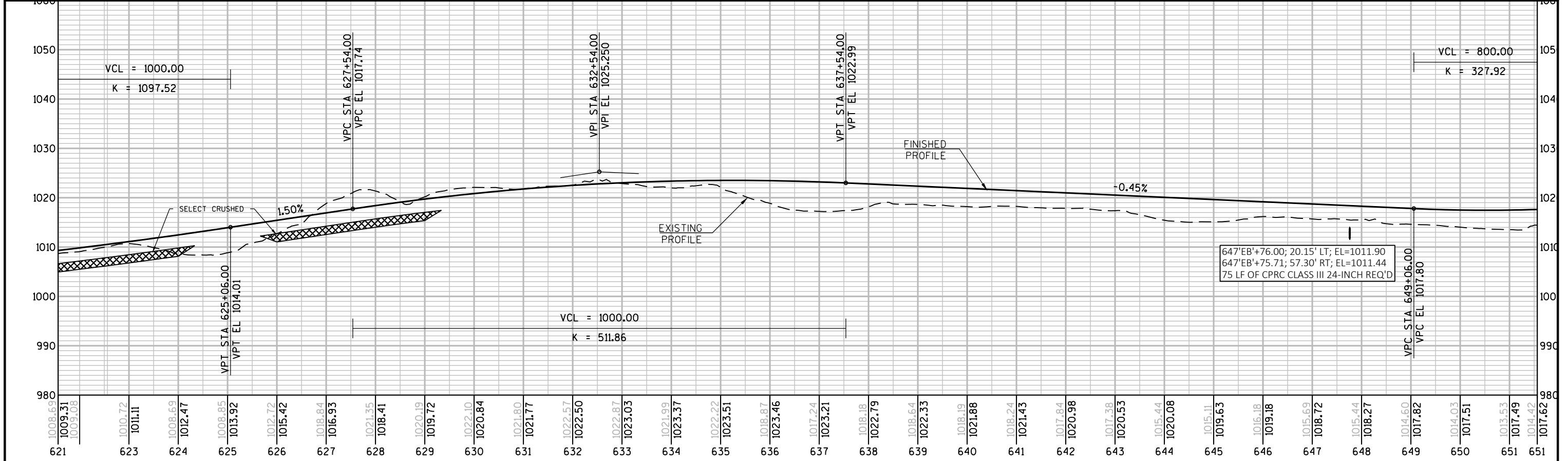
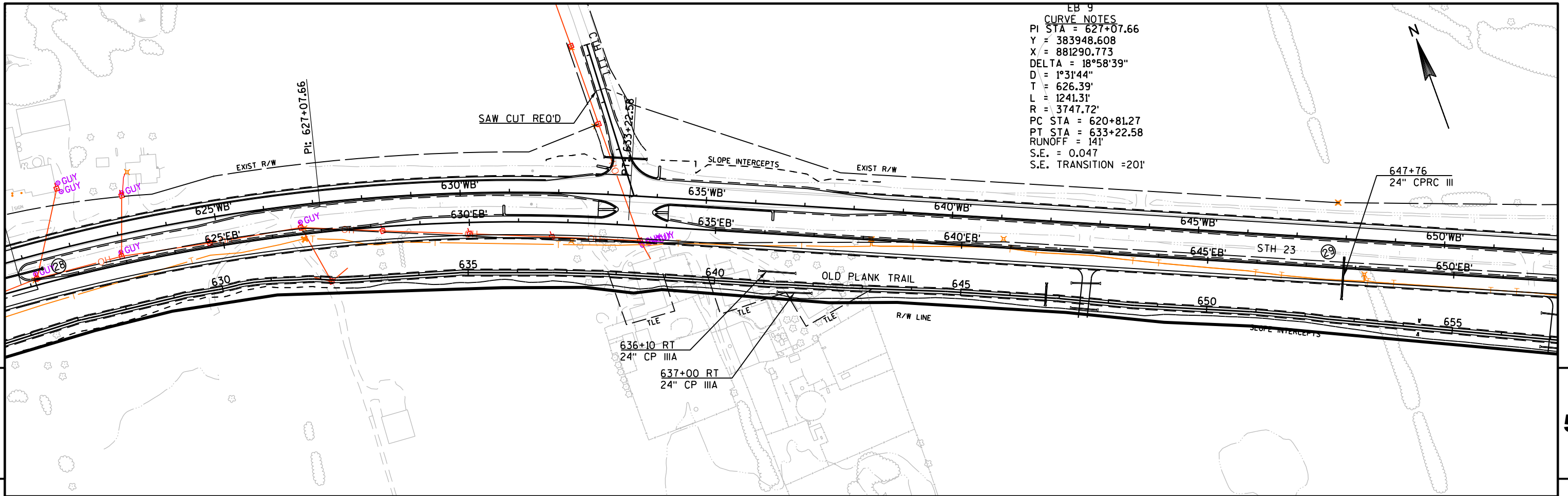


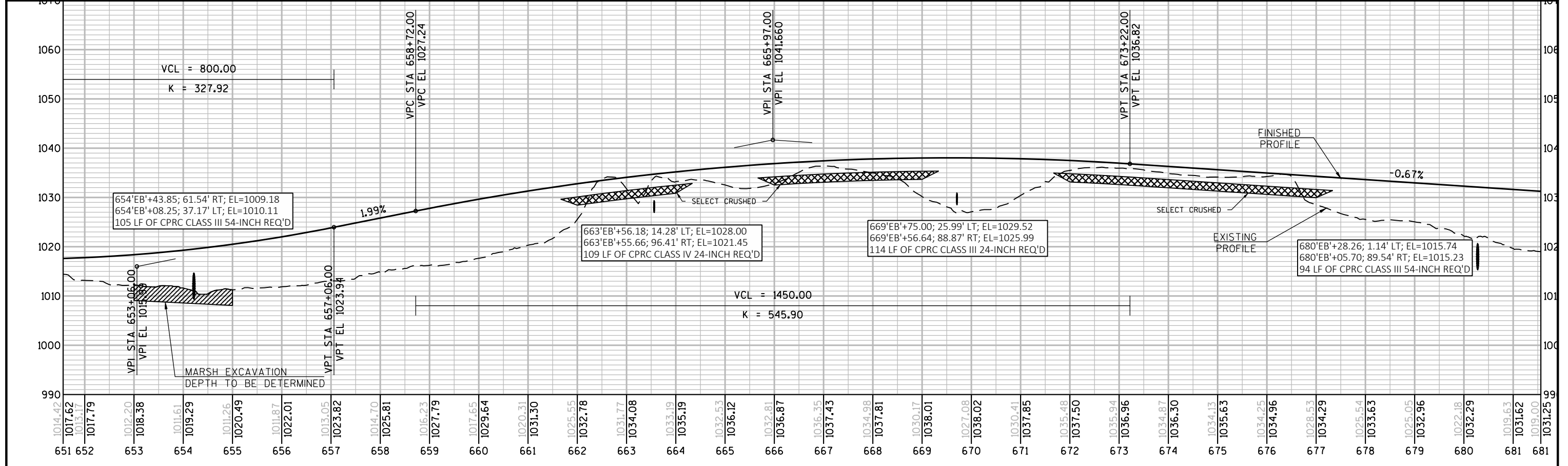
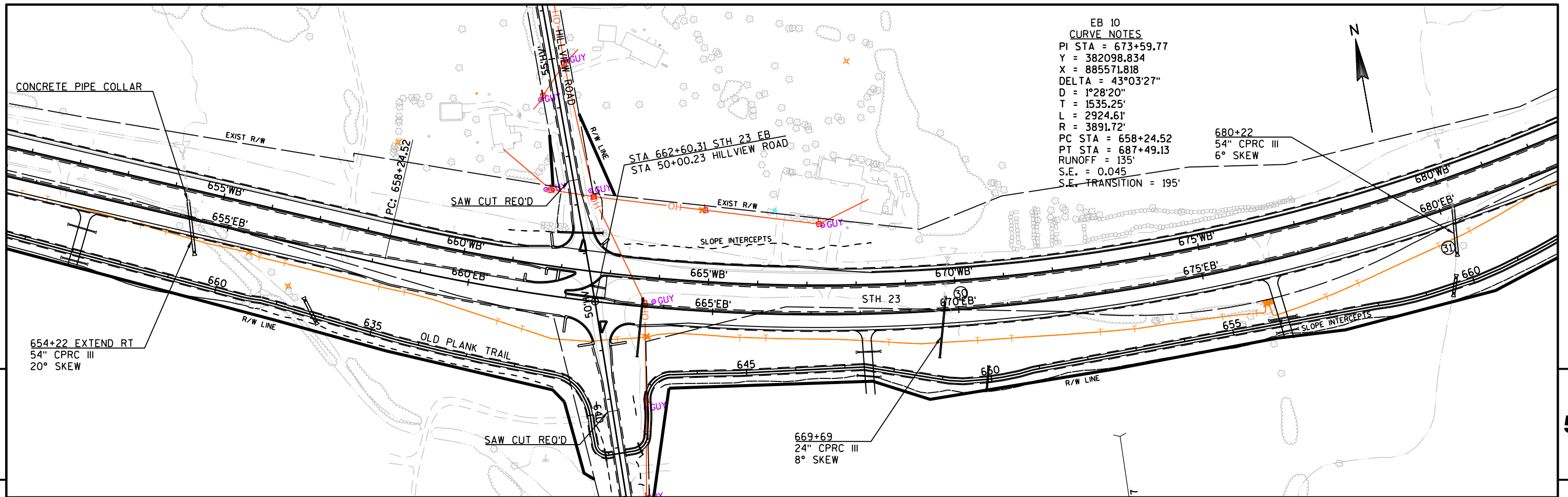


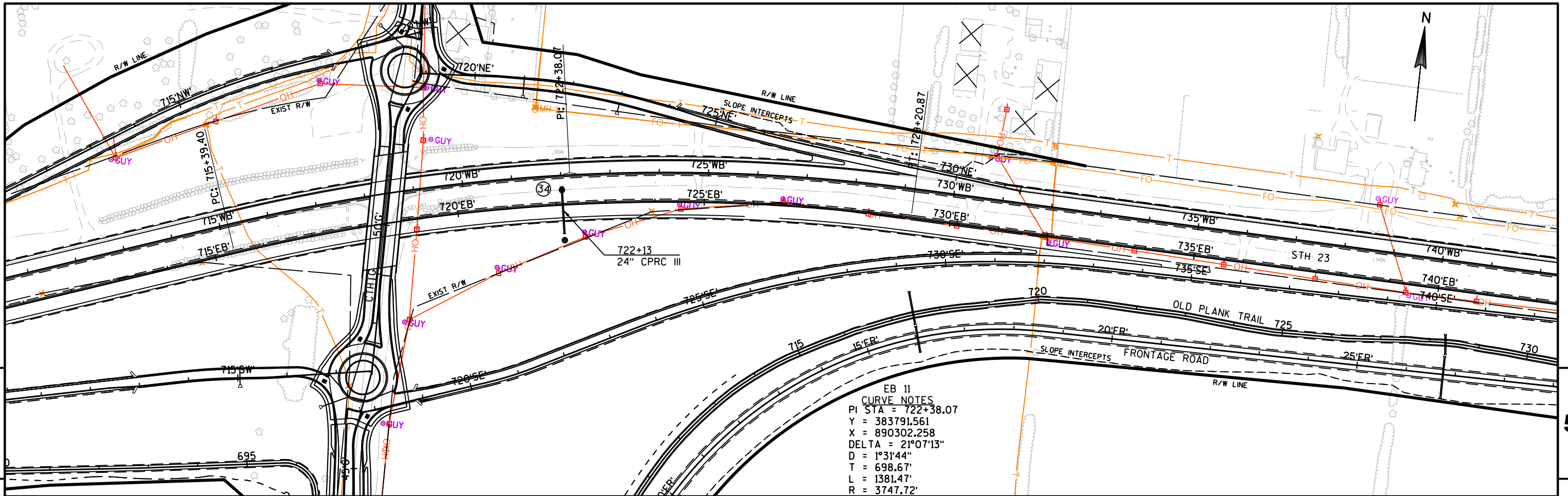


PROJECT NO:1440-15-72/73	HWY:STH 23	COUNTY:FOND DU LAC	PLAN AND PROFILE: EASTBOUND	SHEET	E
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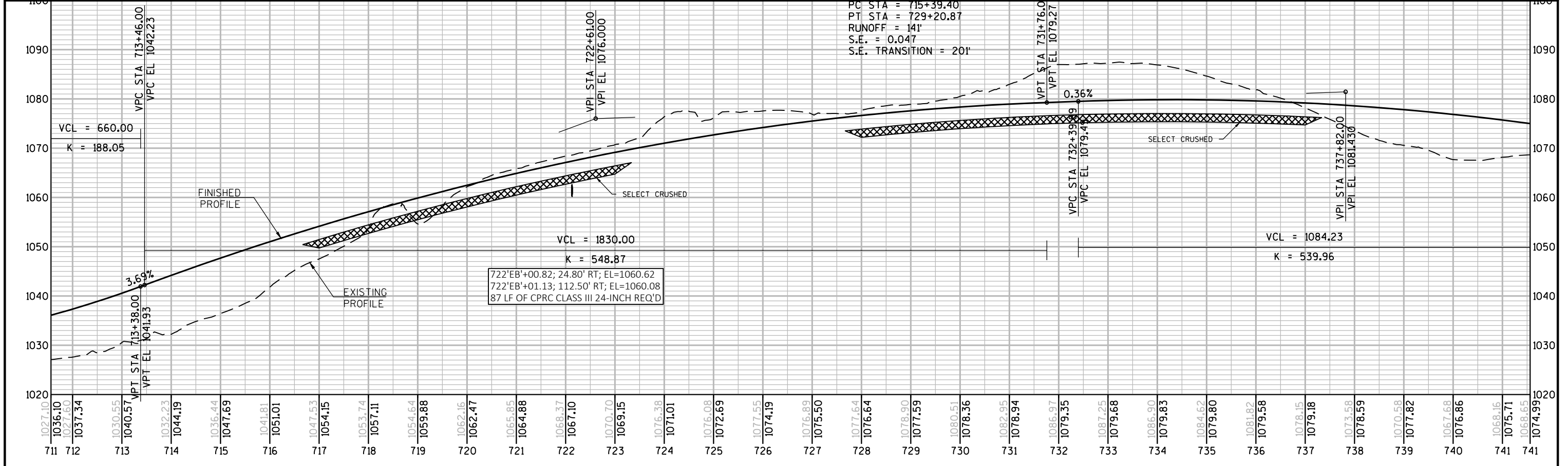


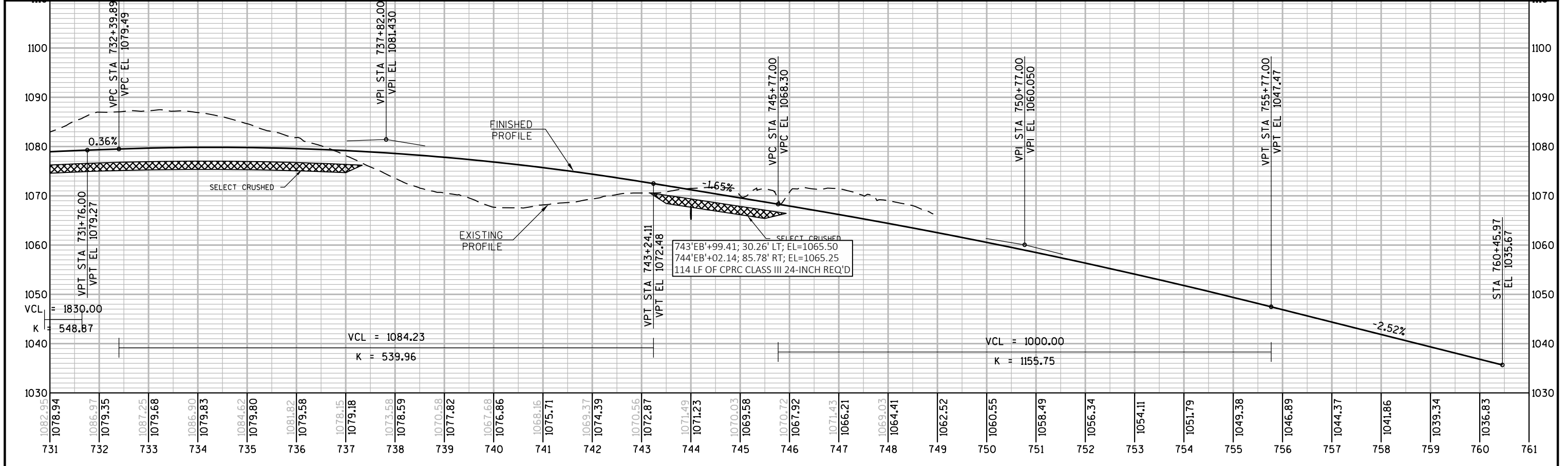
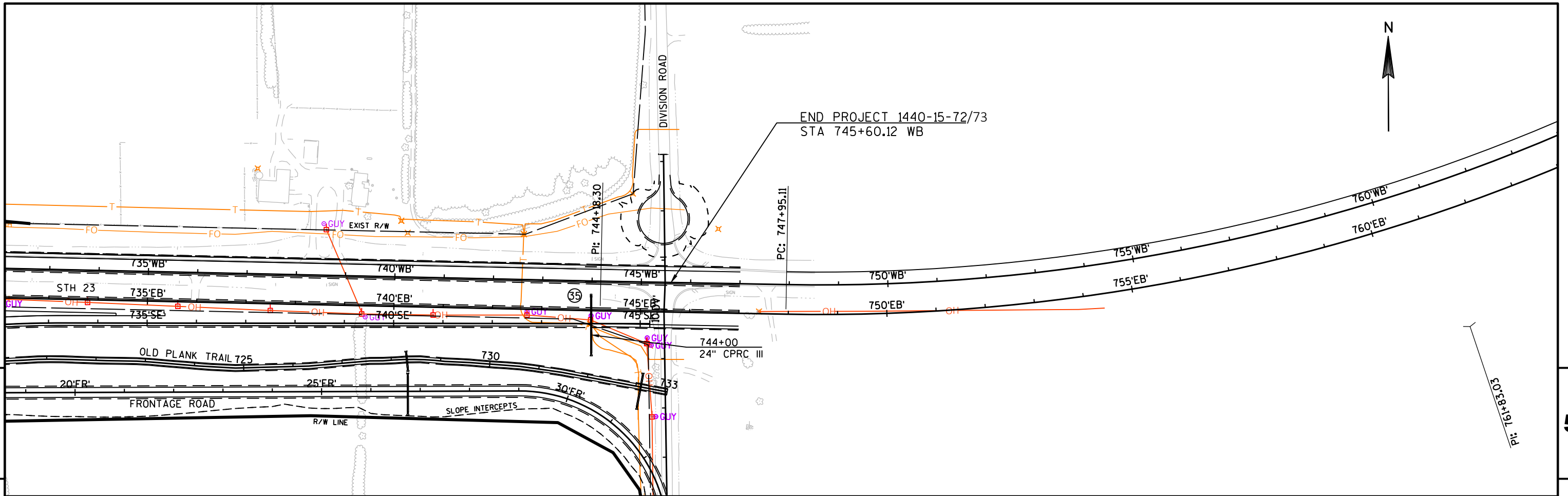


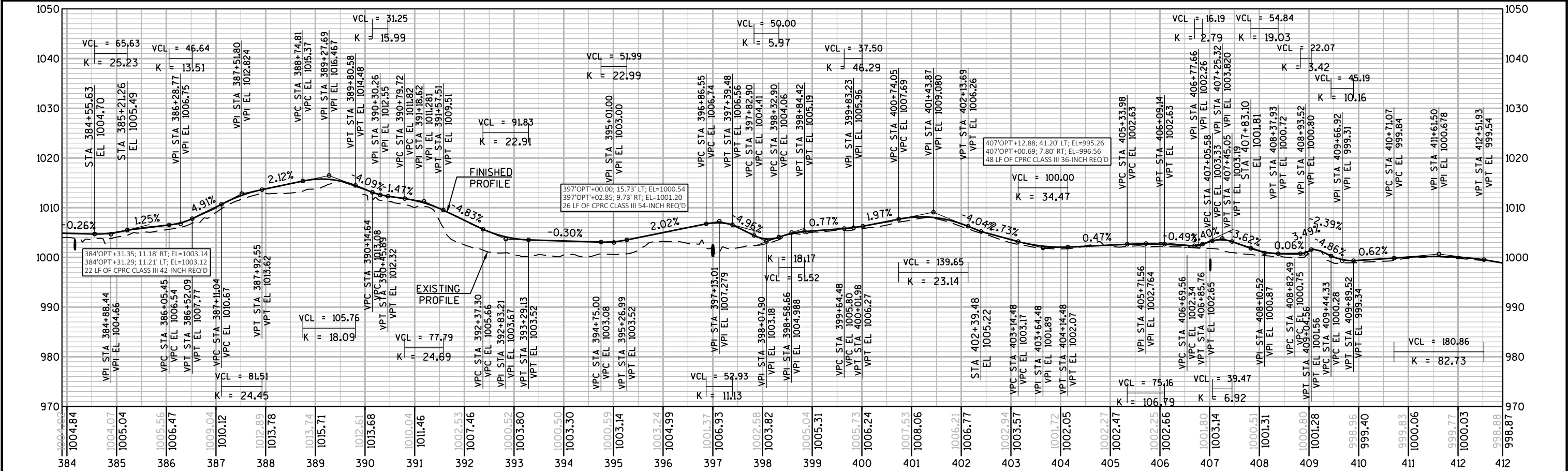
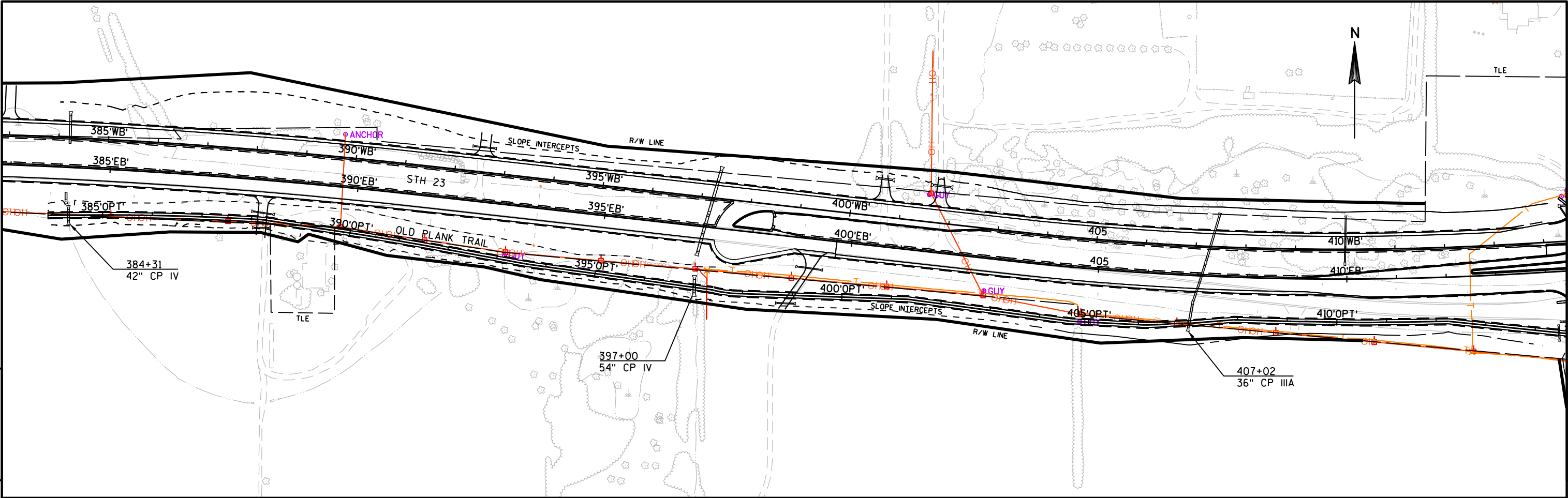




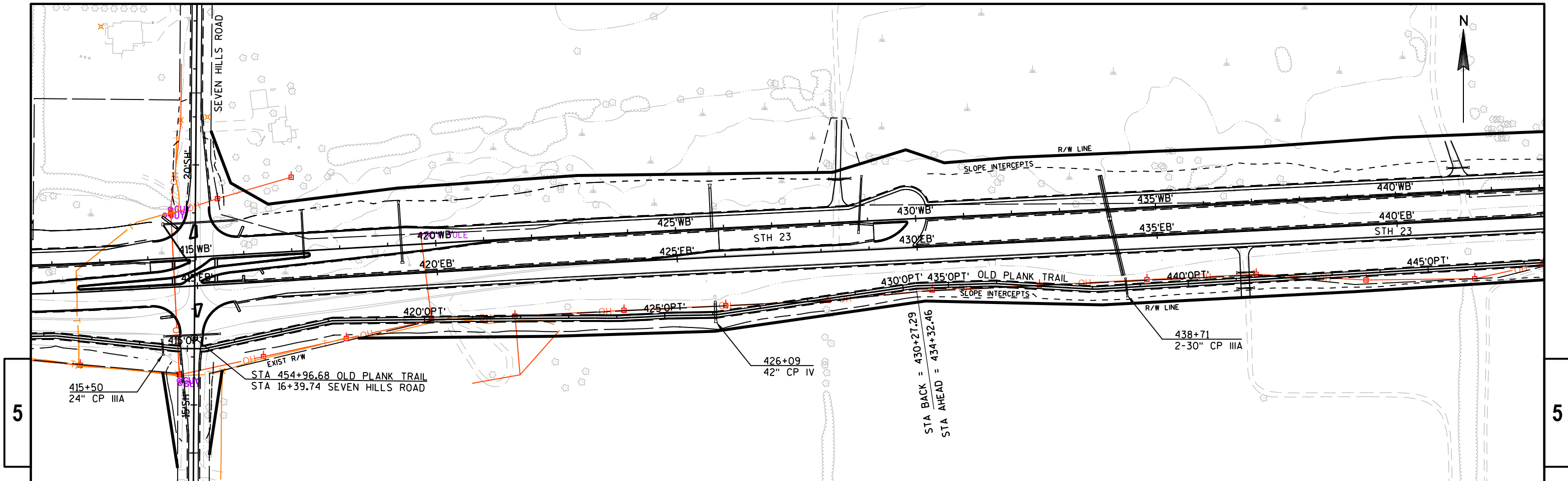
EB 11
CURVE NOTES
PI STA = 722+38.07
Y = 383791.561
X = 890302.258
DELTA = 21°07'13"
D = 1°31'44"
T = 698.67'
L = 1381.47'
R = 3747.72'
PC STA = 715+39.40
PT STA = 729+20.87
RUNOFF = 141'
S.E. = 0.047
S.E. TRANSITION = 201'





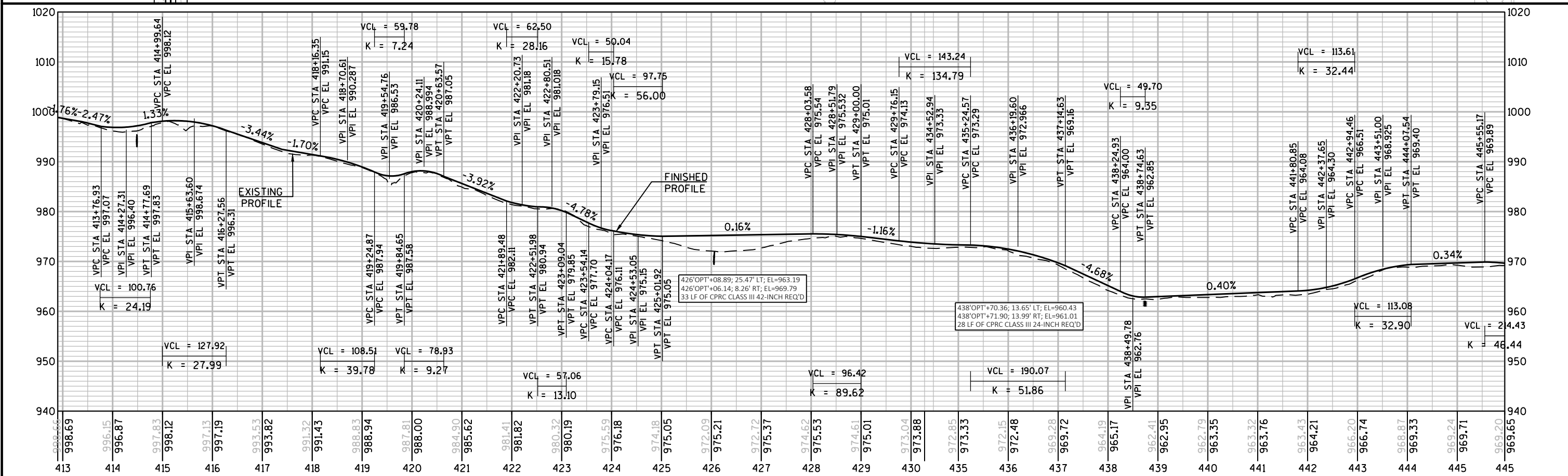


PROJECT NO: 1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	PLAN AND PROFILE: OLD PLANK TRAIL	SHEET	E
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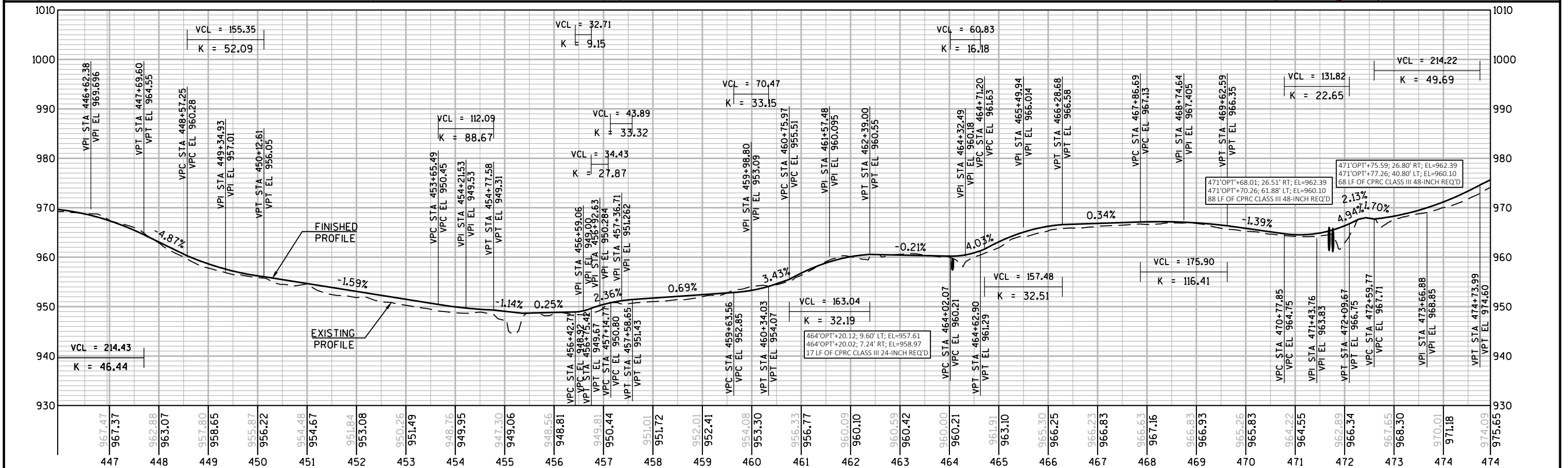
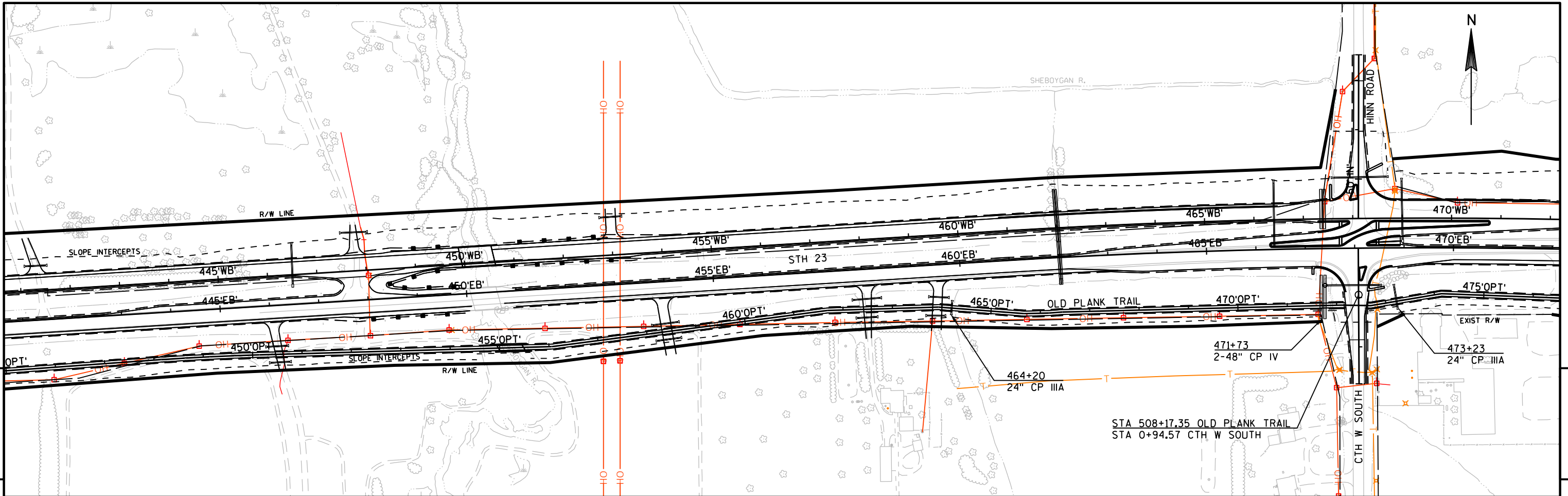


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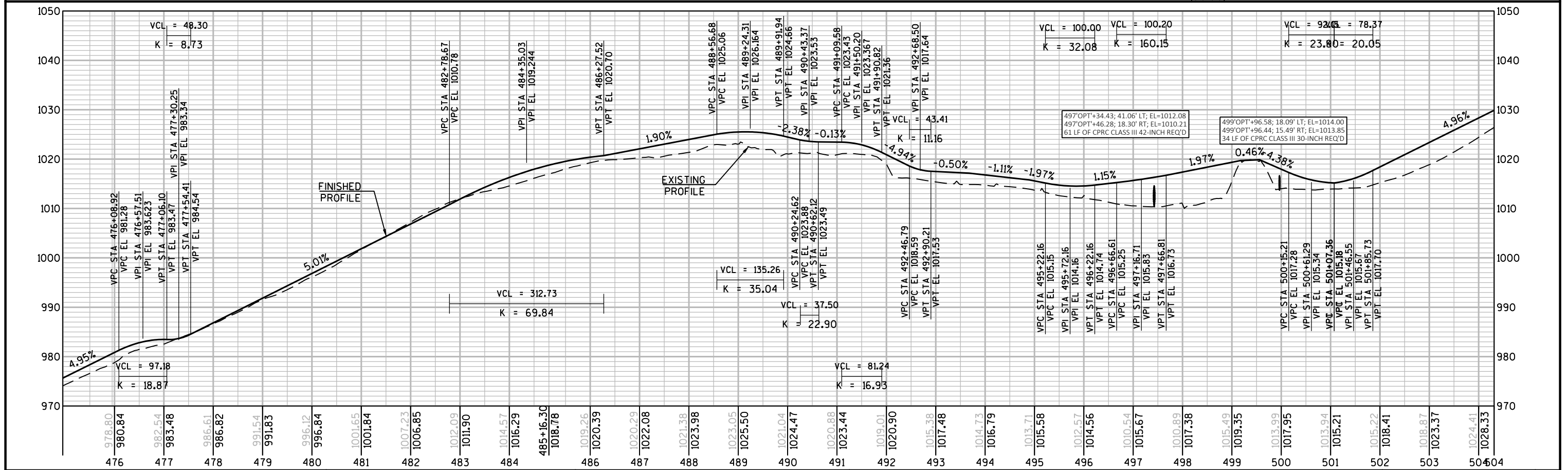
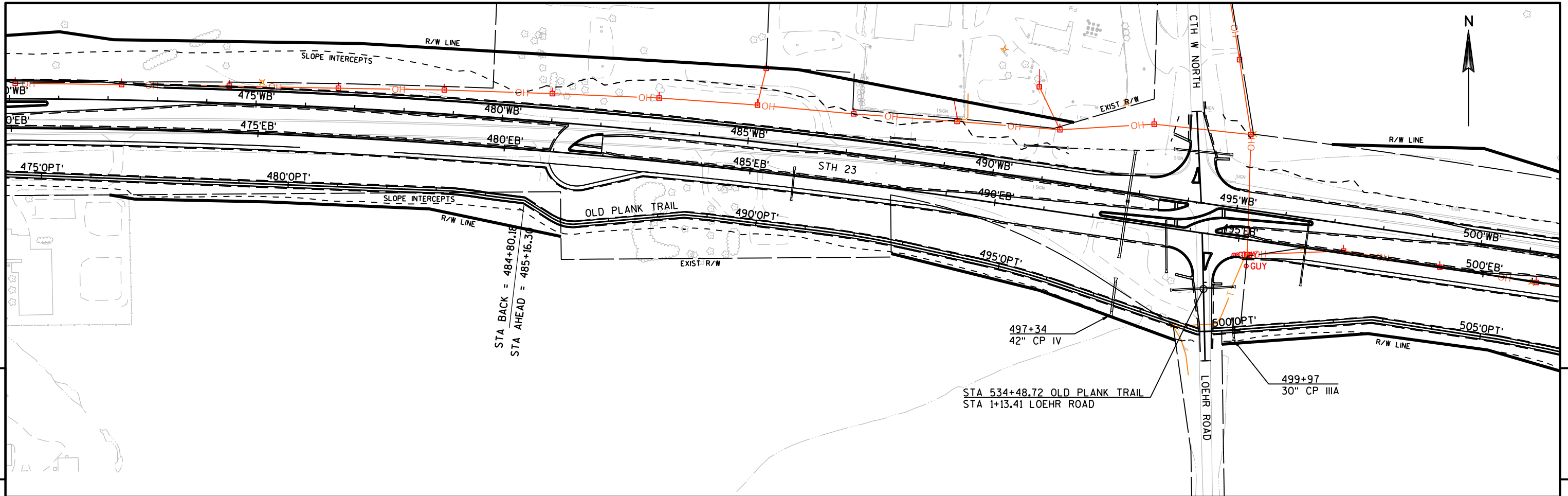
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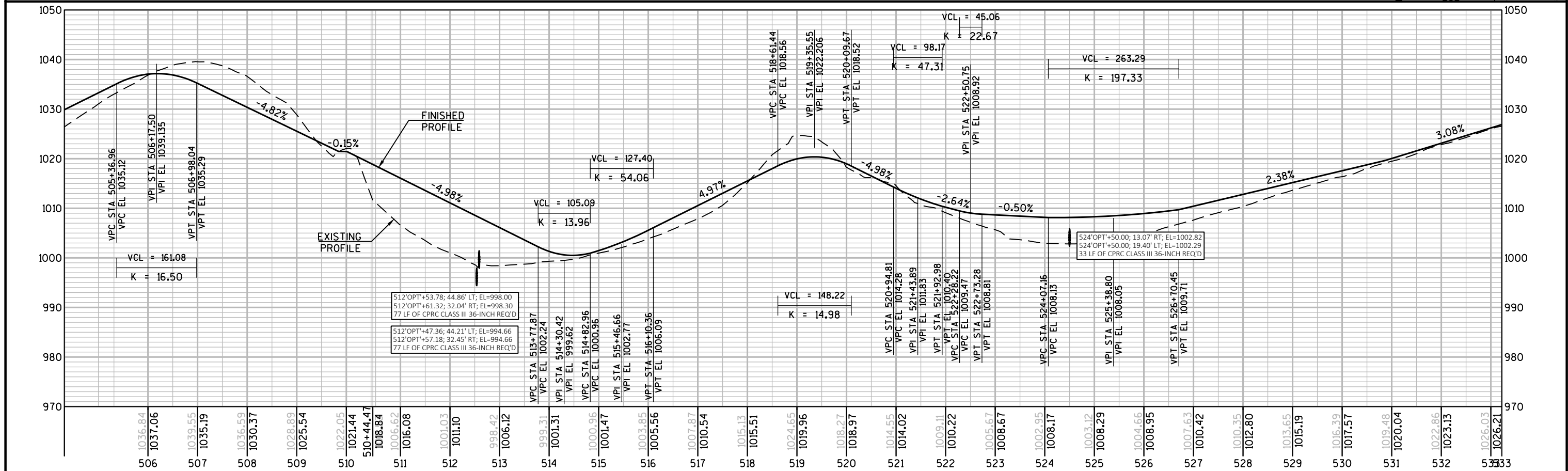
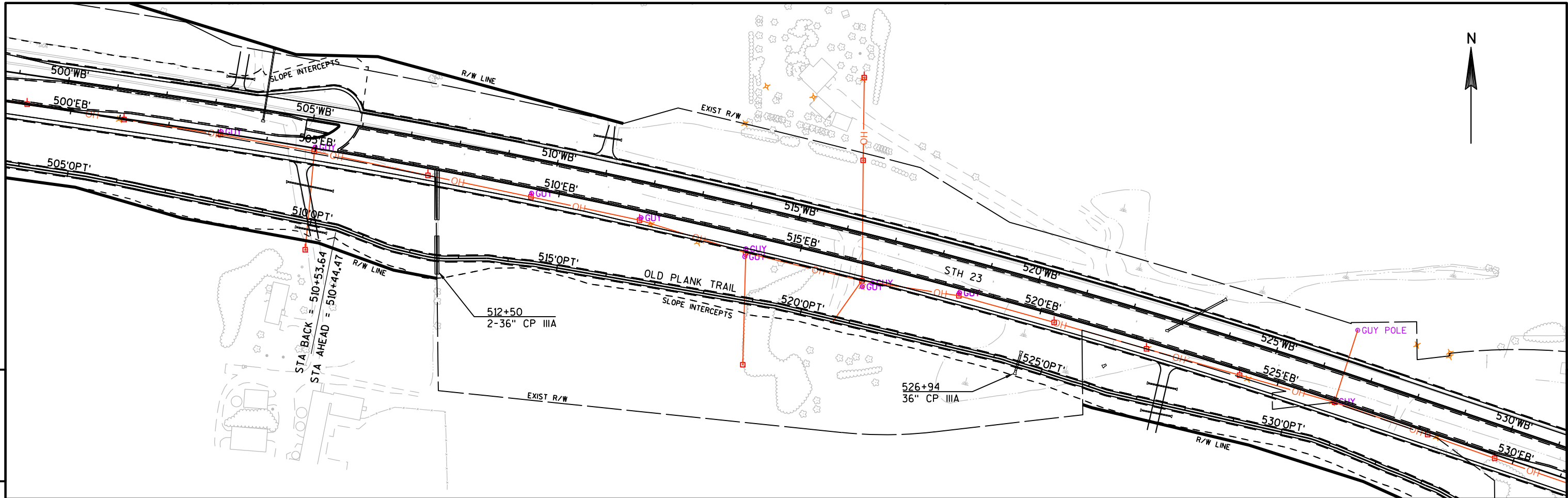
PROJECT NO:	1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	PLAN AND PROFILE: OLD PLANK TRAIL	SHEET	E
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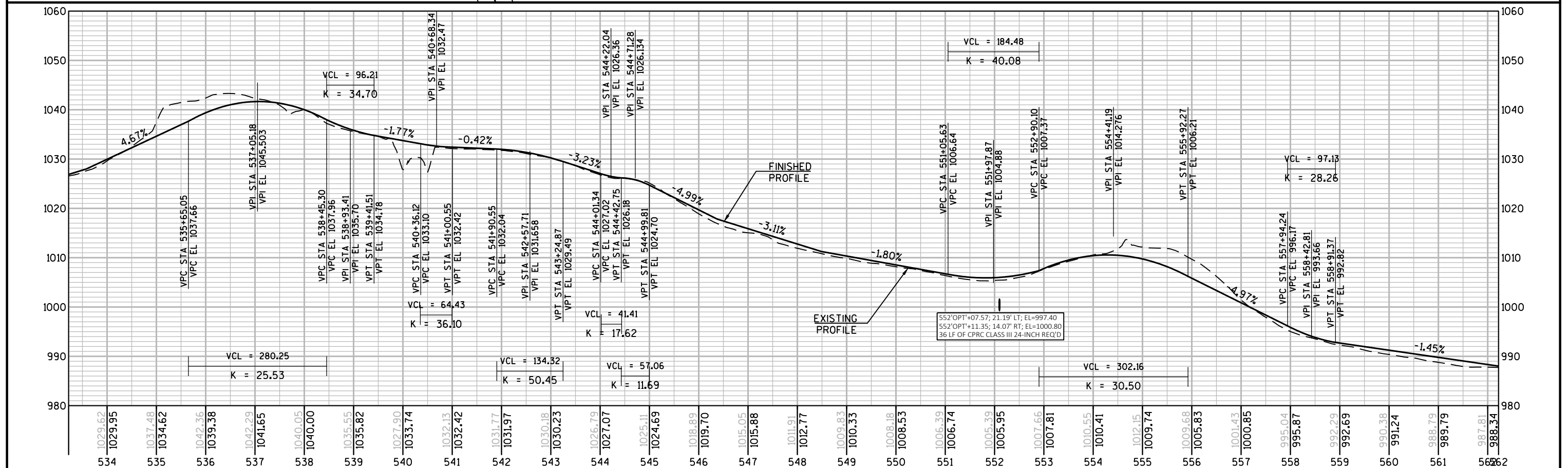
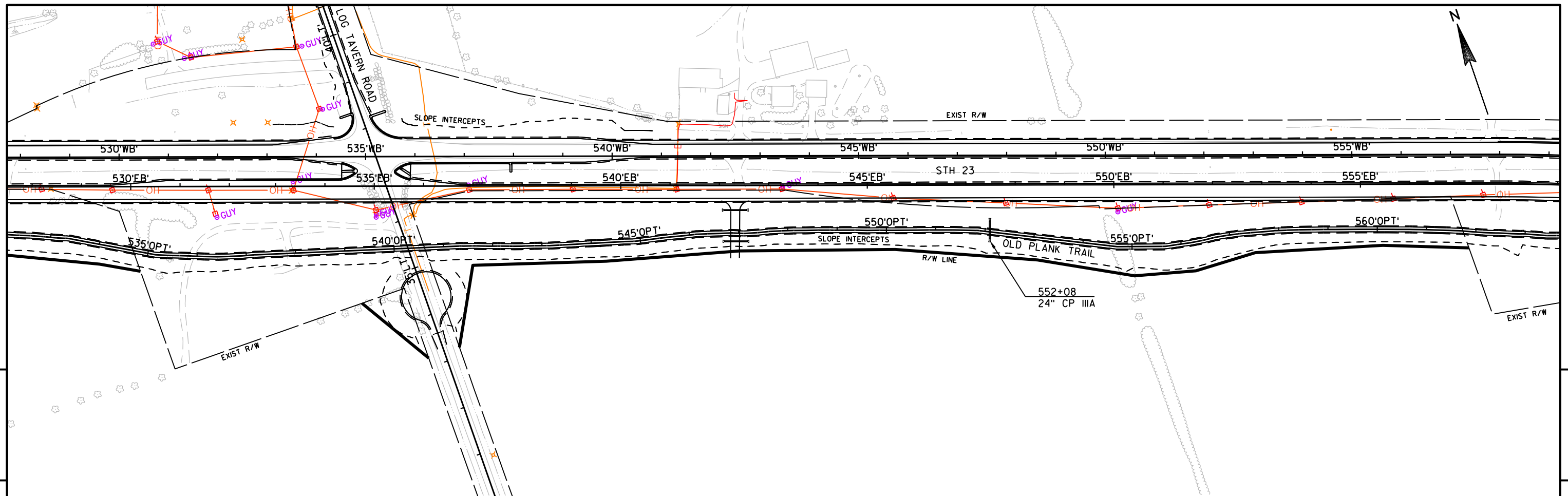
PROJECT NO: 1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	PLAN AND PROFILE: OLD PLANK TRAIL	SHEET	E
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PROJECT NO:	1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	PLAN AND PROFILE: OLD PLANK TRAIL	SHEET	E
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PROJECT NO:	1440-15-72/73	HWY:	STH 23	COUNTY:	FOND DU LAC	PLAN AND PROFILE:	OLD PLANK TRAIL	SHEET	E
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PROJECT NO:	1440-15-72/73
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HWY: STH 23

COUNTY: FOND DU LAC

PLAN AND PROFILE: OLD PLANK TRAIL

SHEET

1

FILE NAME : N:\PDS\C3D\14401501\SHEETSPLAN\PLAN AND PROFILES\OLD PLANK TRAIL\OLD PLANK TRAIL PROPOSED (2018).DWG
LAYOUT NAME - PP Trail - (6)

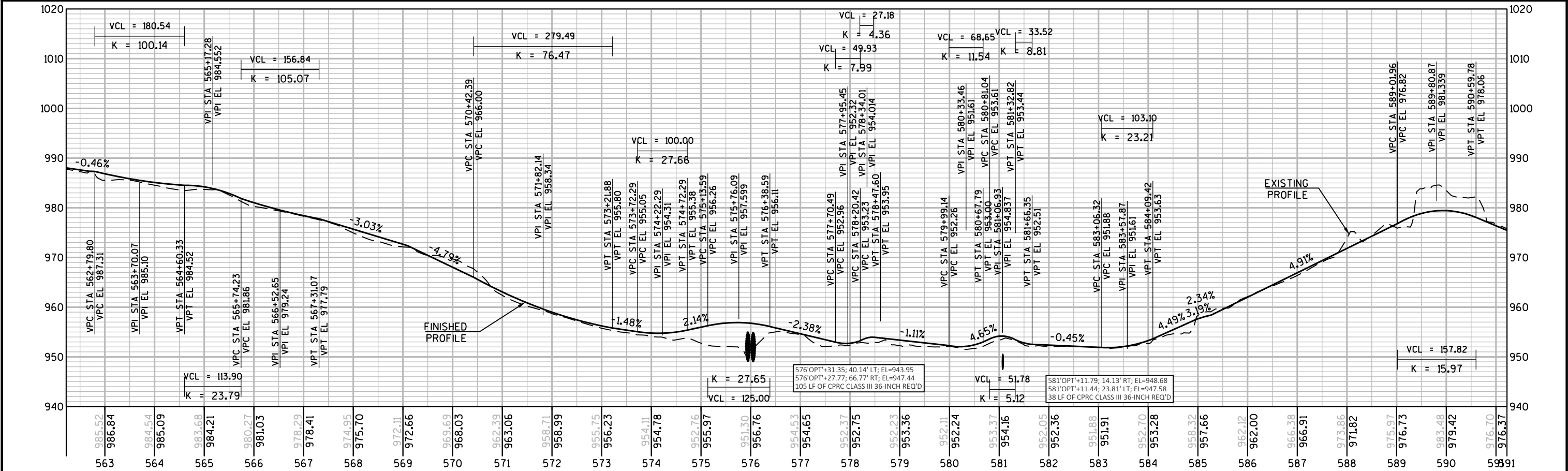
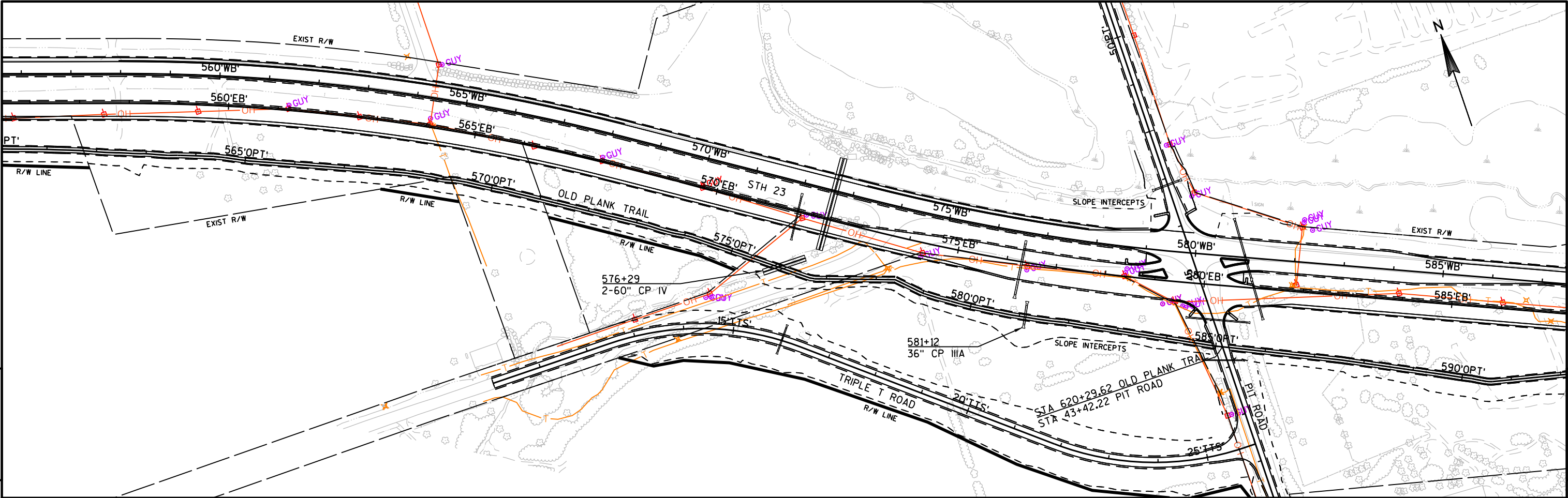
PLOT DATE : 2/13/2019 10:57 AM

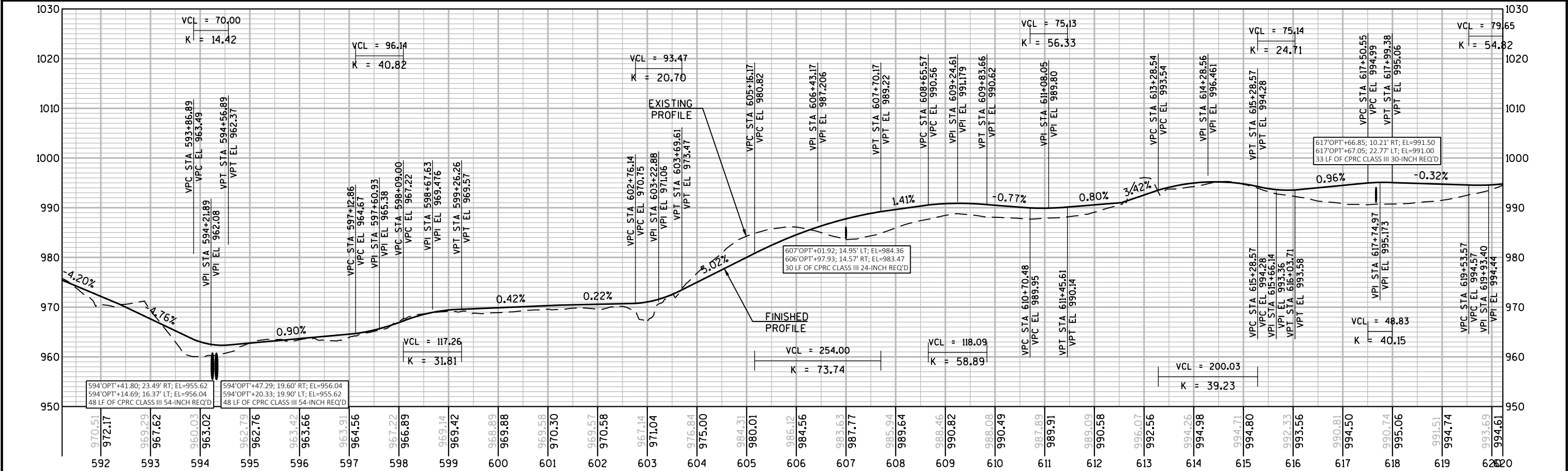
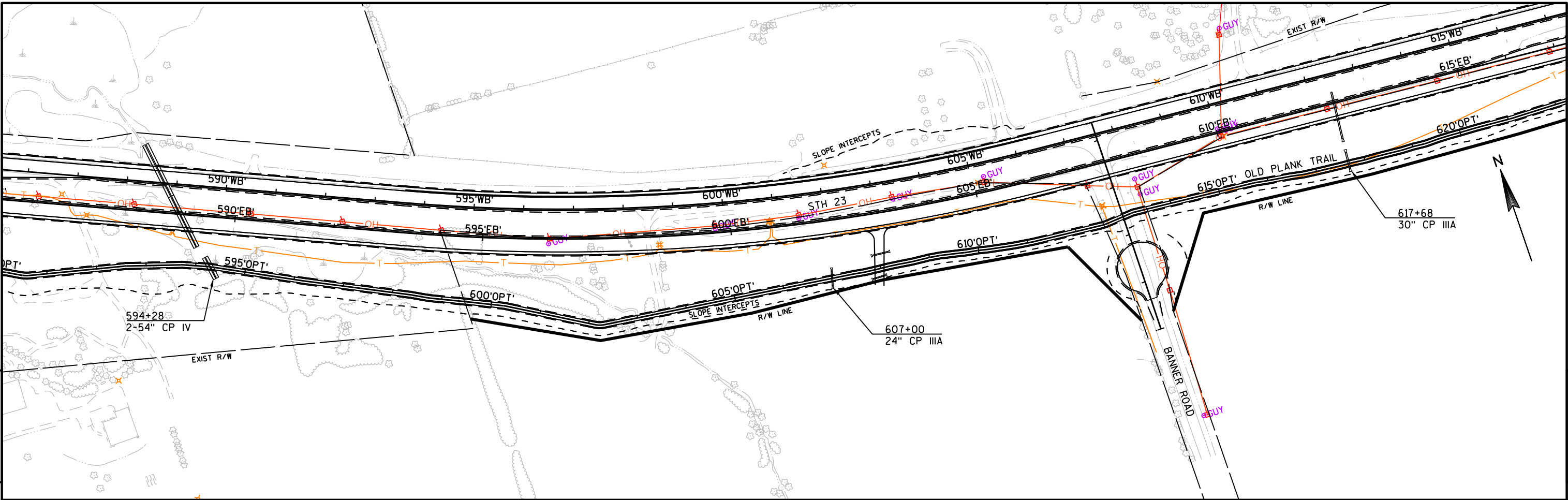
PLOT BY : MARTENS, JOHN M

PLOT NAME :

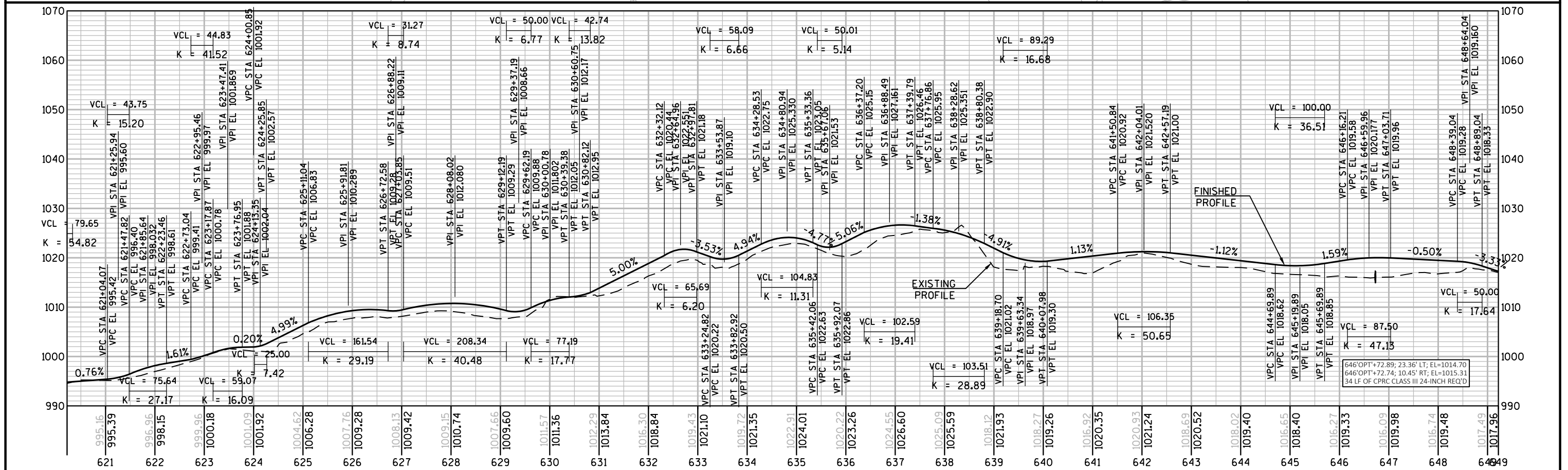
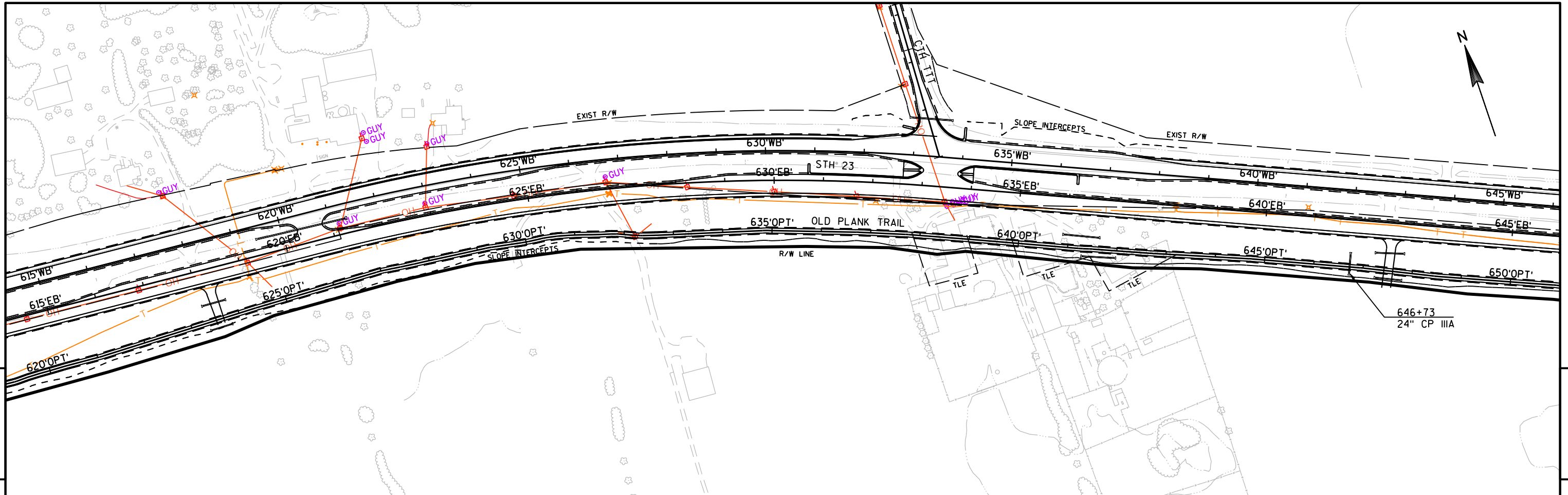
PLOT SCALE : 1 IN:200 FT

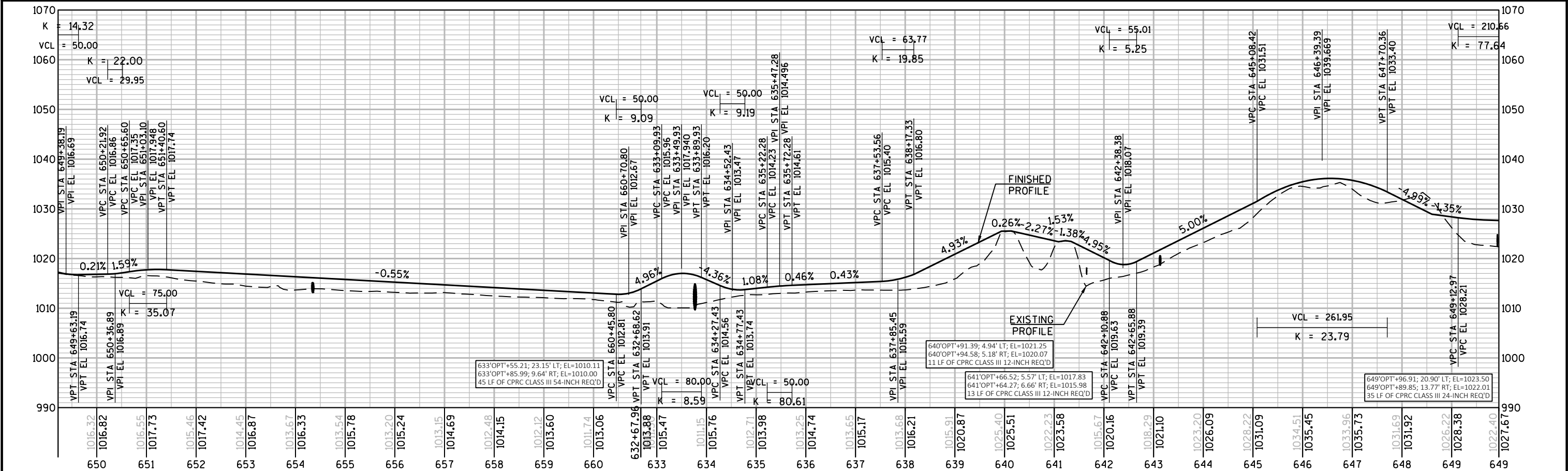
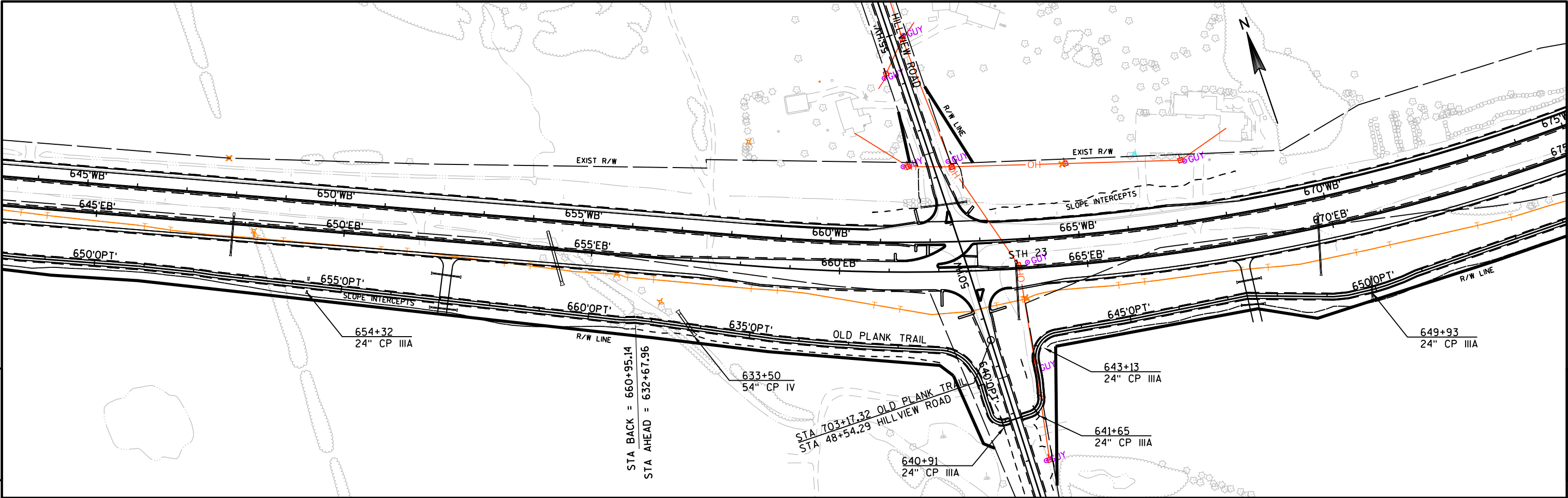
WISDOT/CADDS SHEET 44



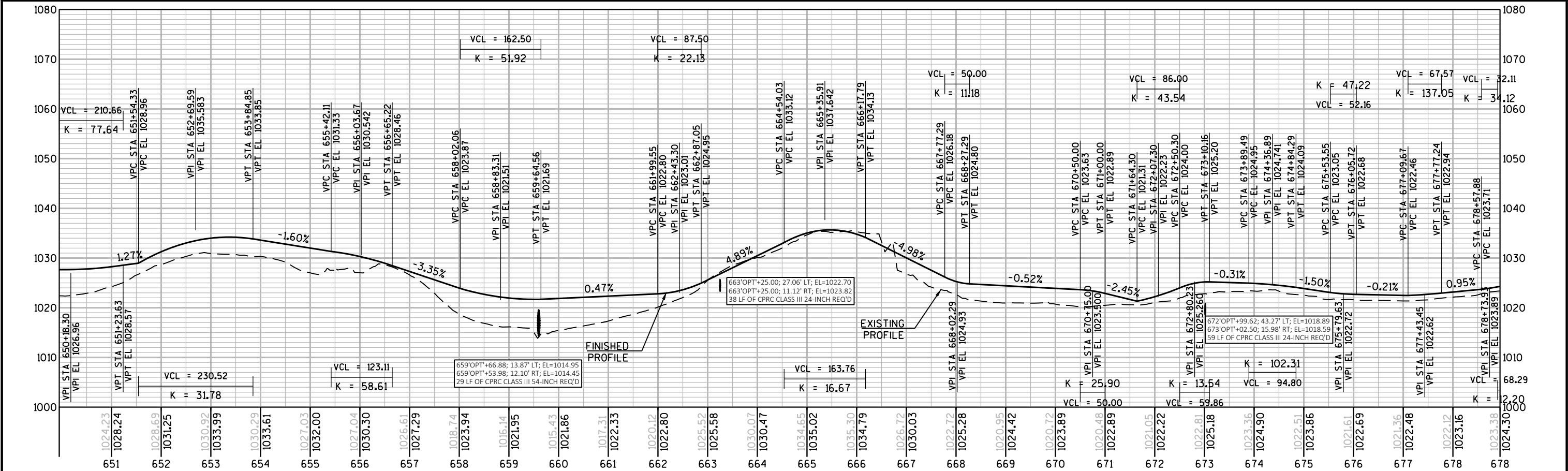
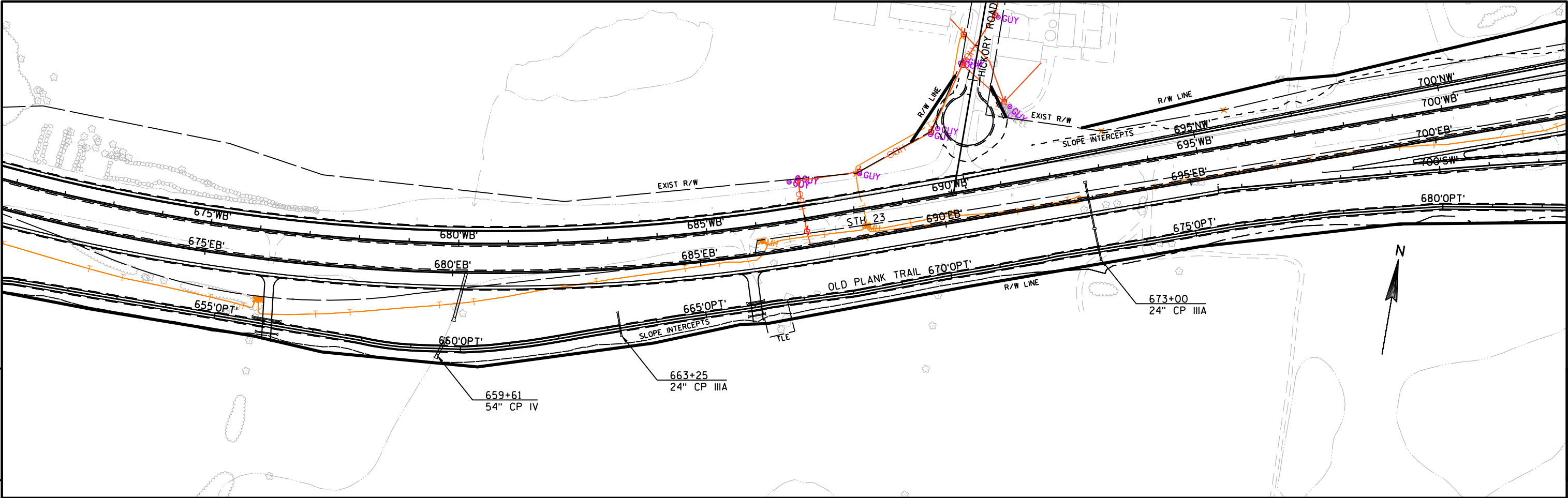


PROJECT NO: 1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	PLAN AND PROFILE: OLD PLANK TRAIL	SHEET	E
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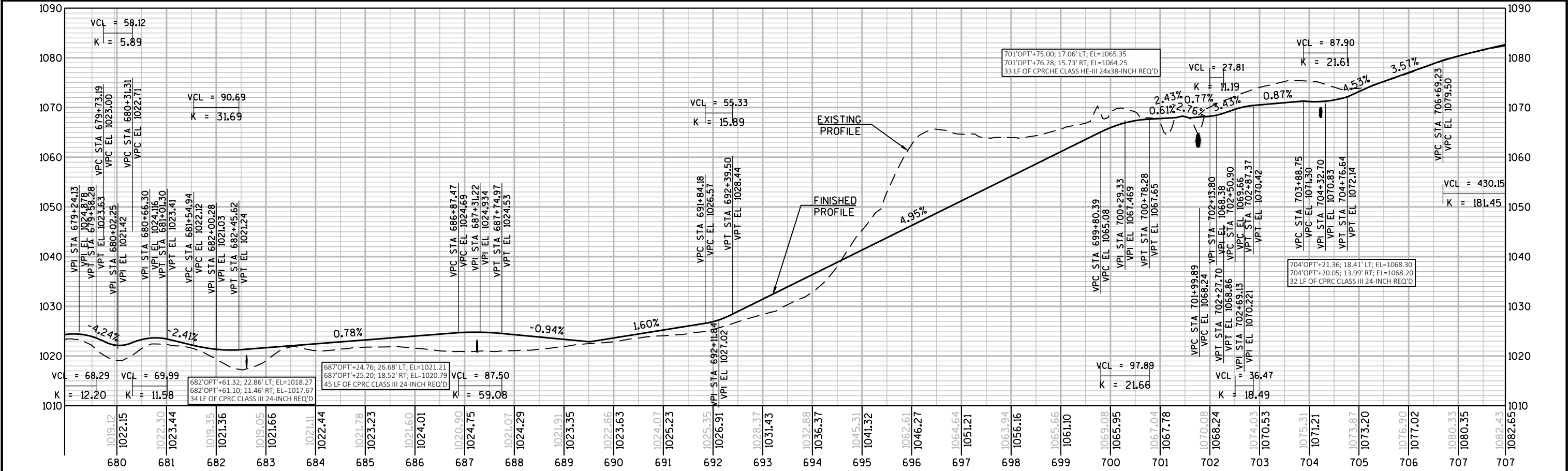
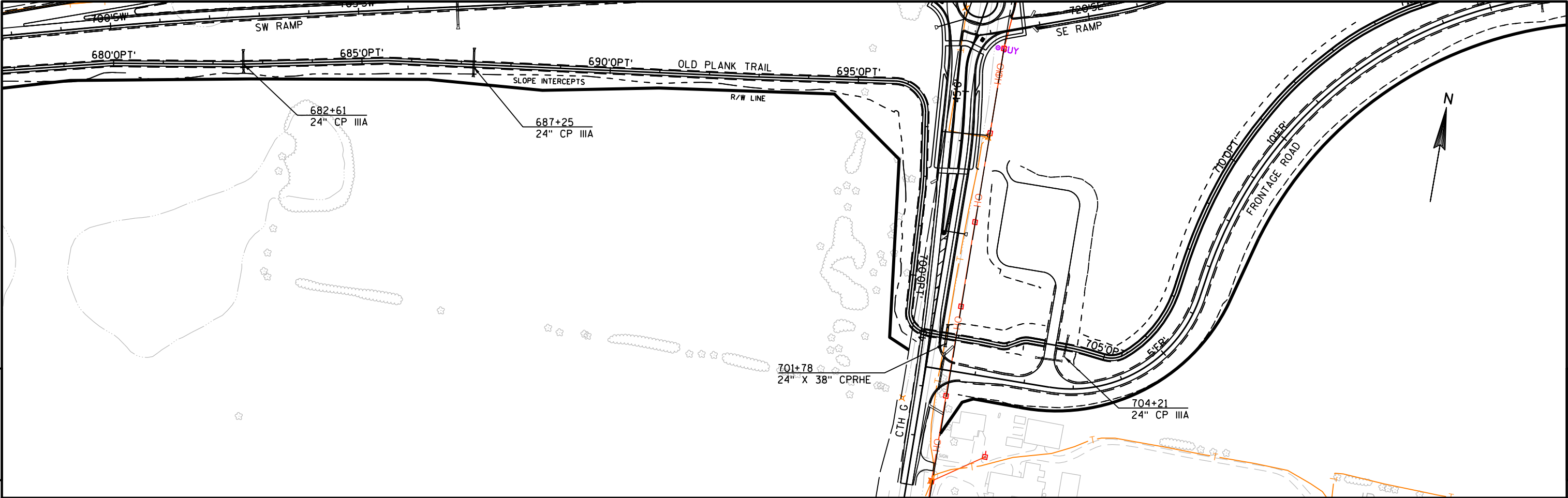


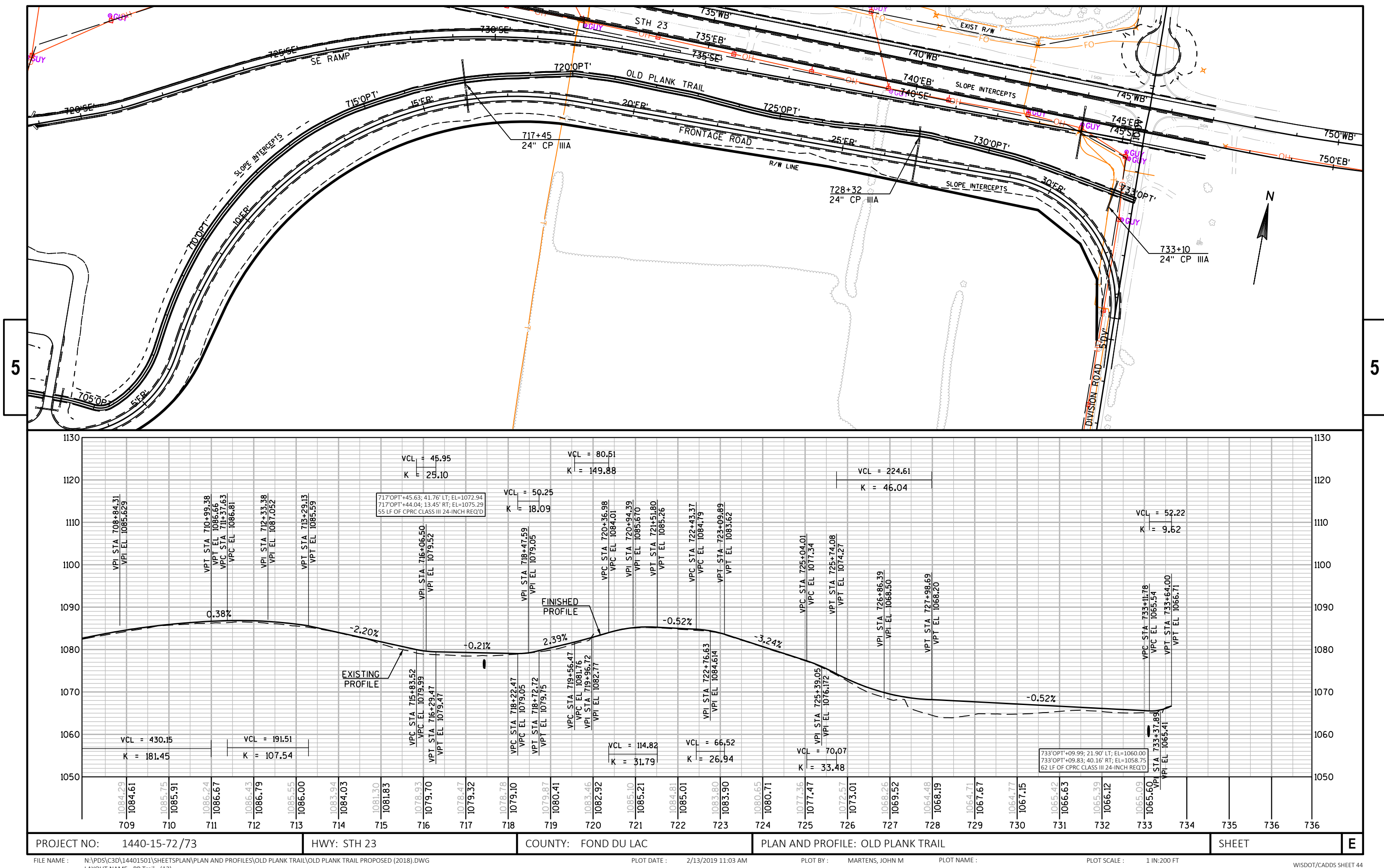


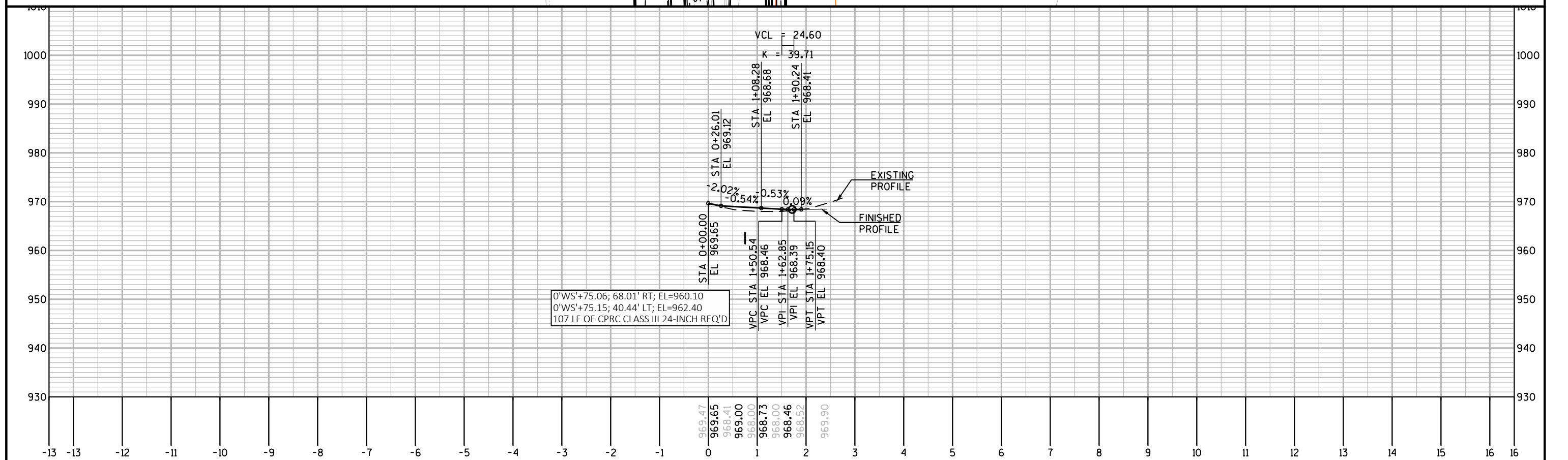
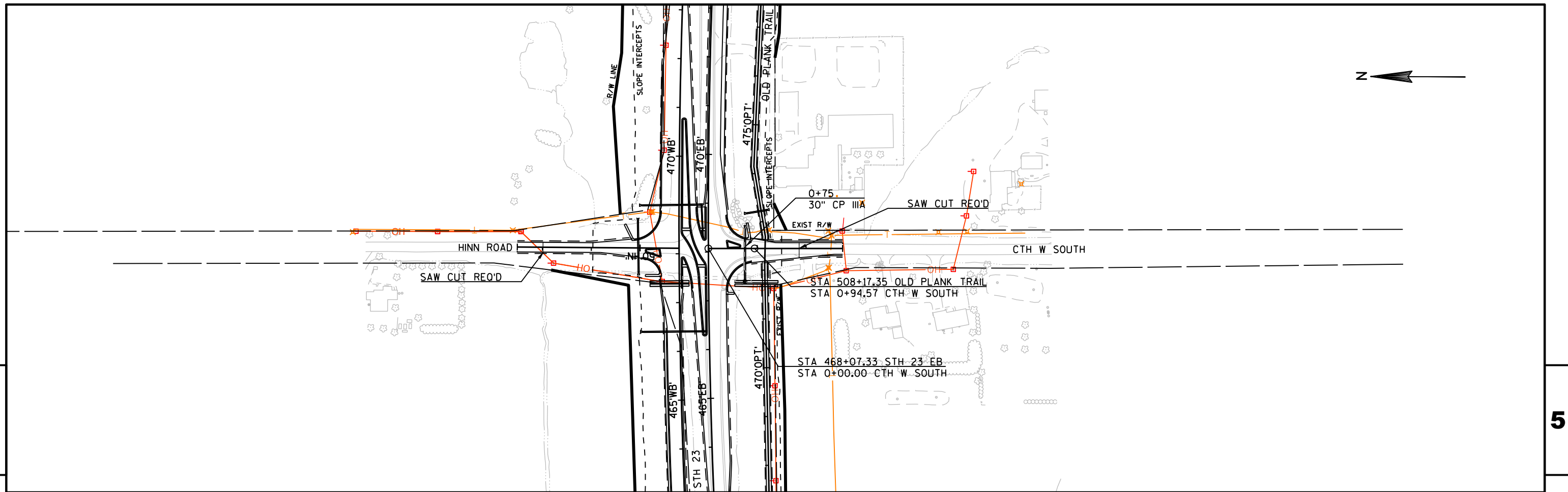
PROJECT NO: 1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	PLAN AND PROFILE: OLD PLANK TRAIL	SHEET	E
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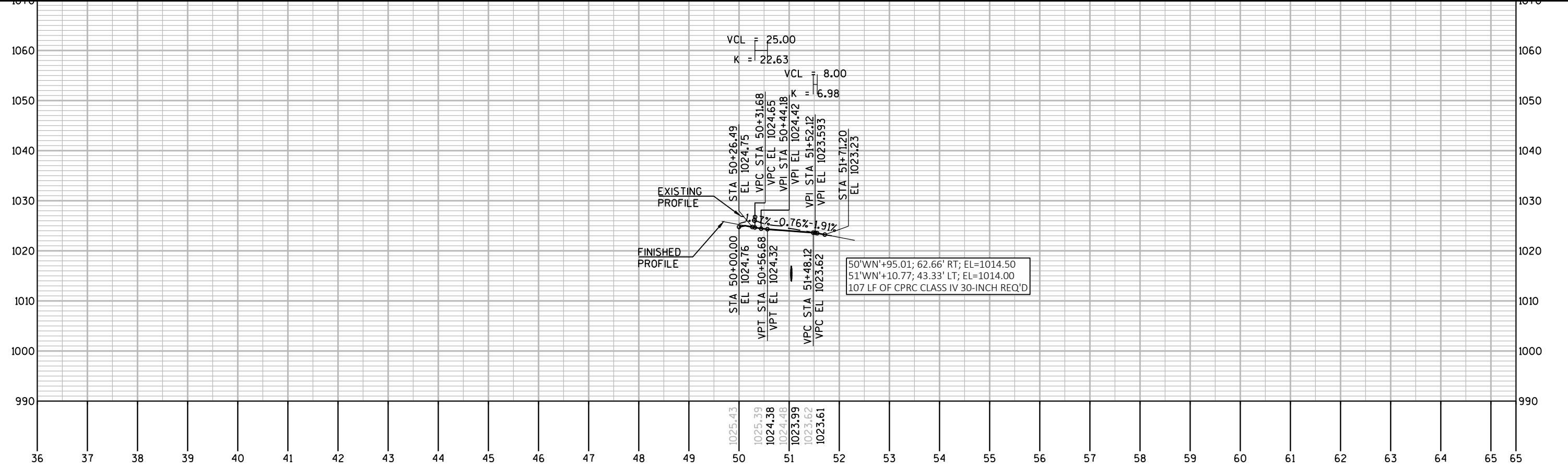
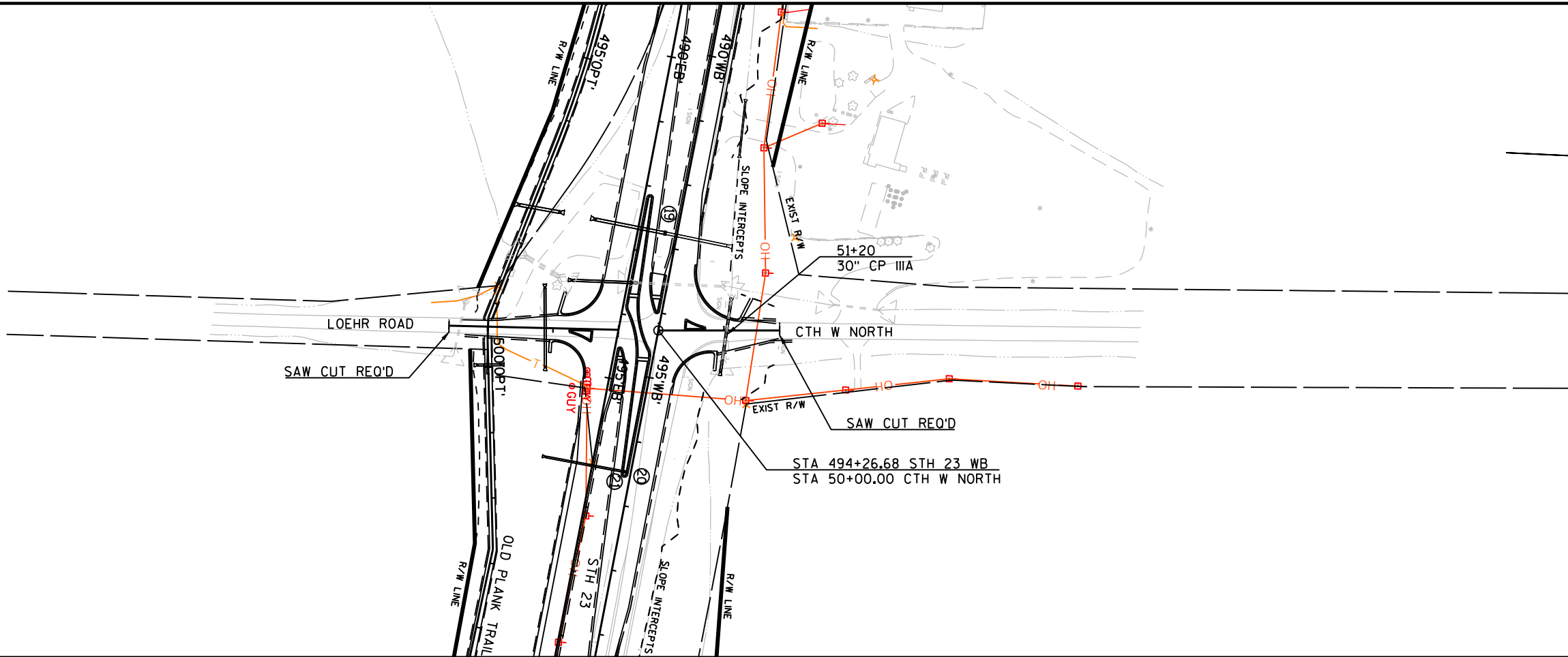


PROJECT NO:	1440-15-72/73	HWY: STH 23	COUNTY: FOND DU LAC	PLAN AND PROFILE: OLD PLANK TRAIL	SHEET	E
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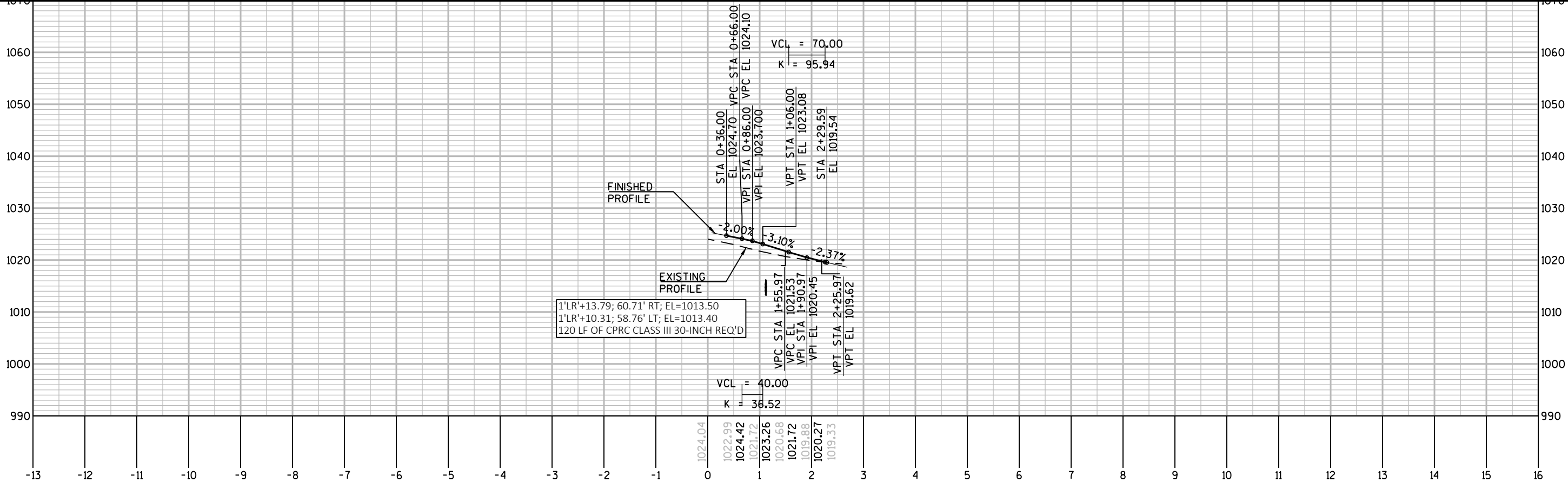
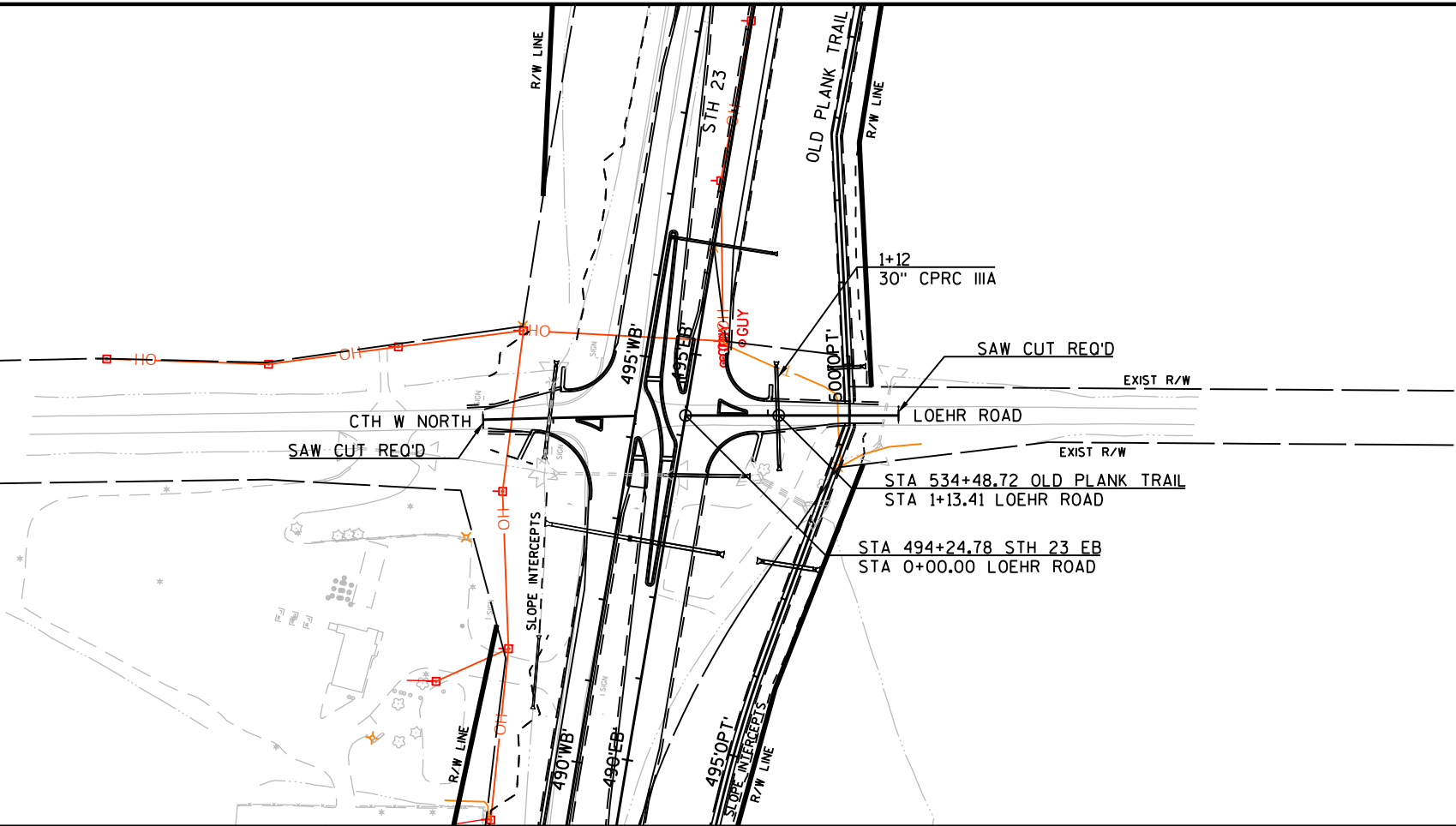


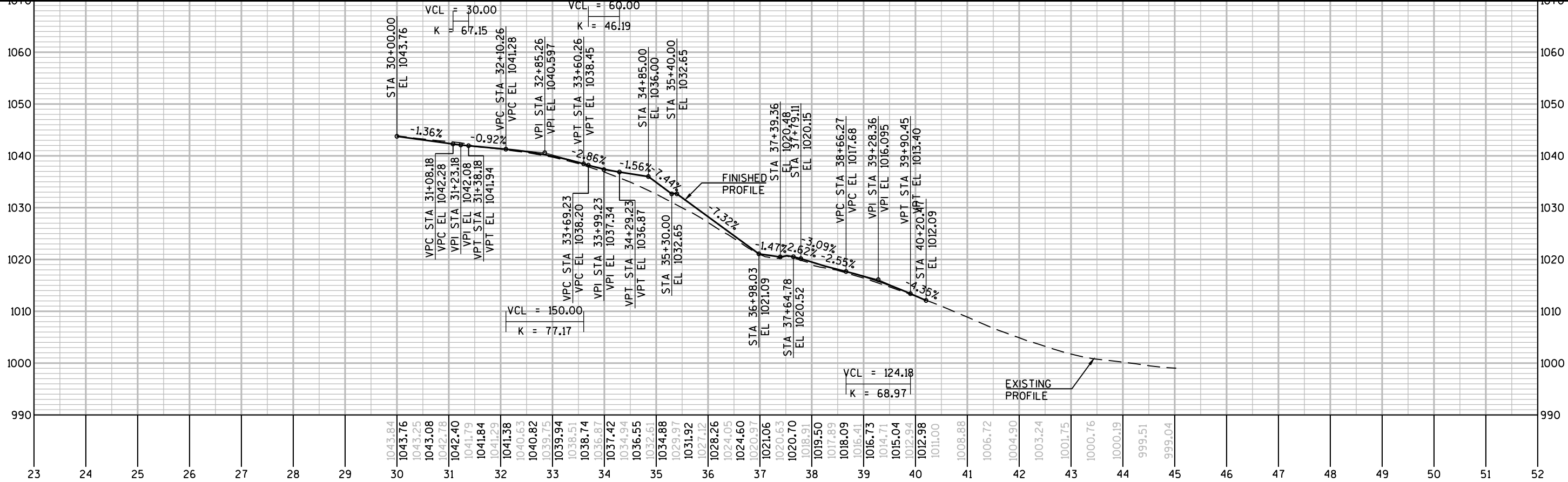
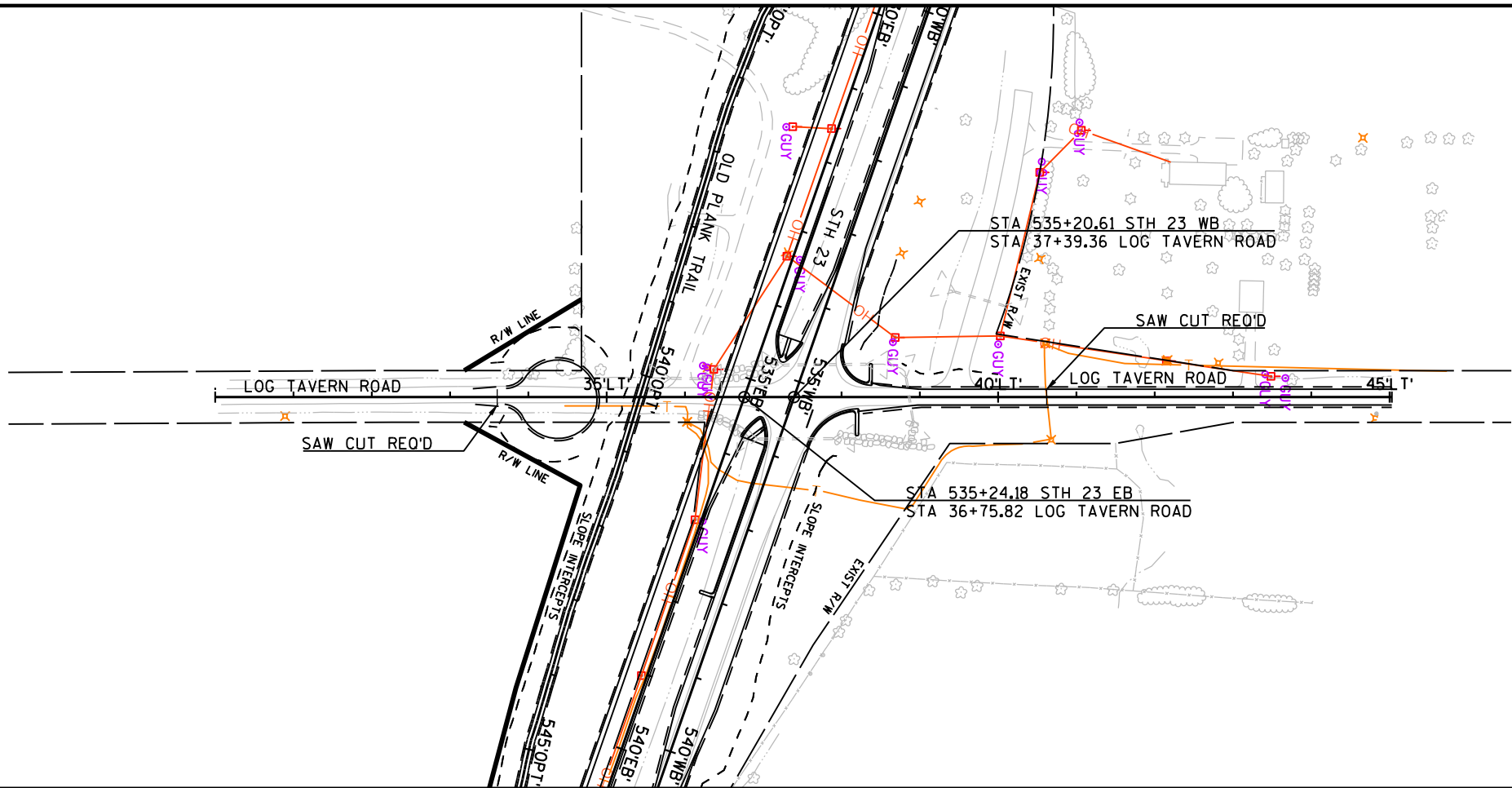


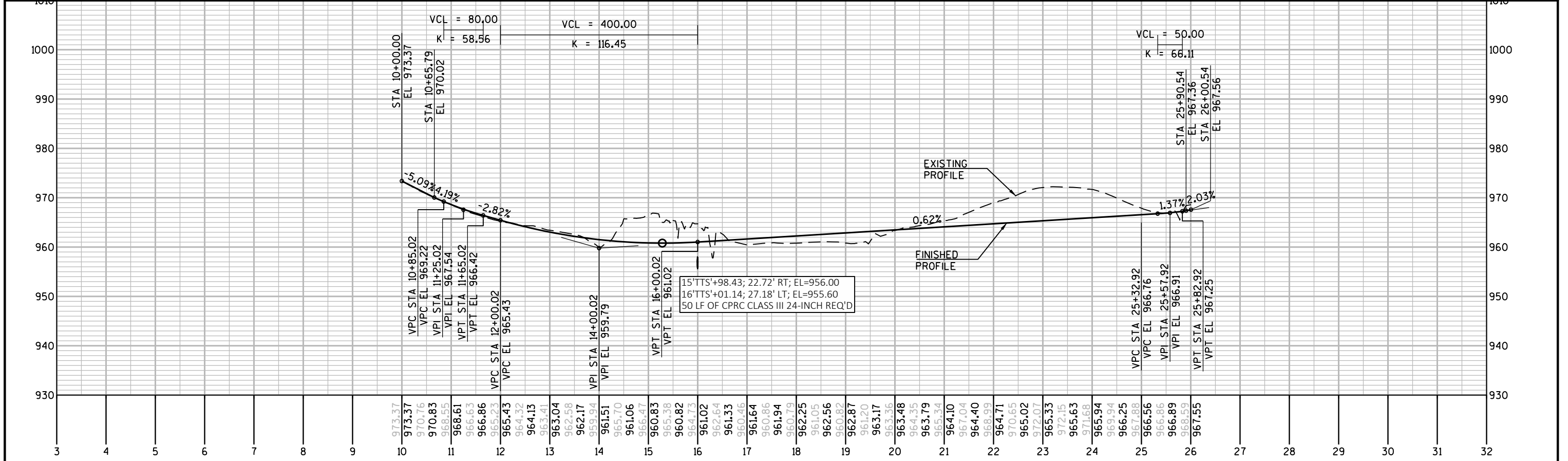
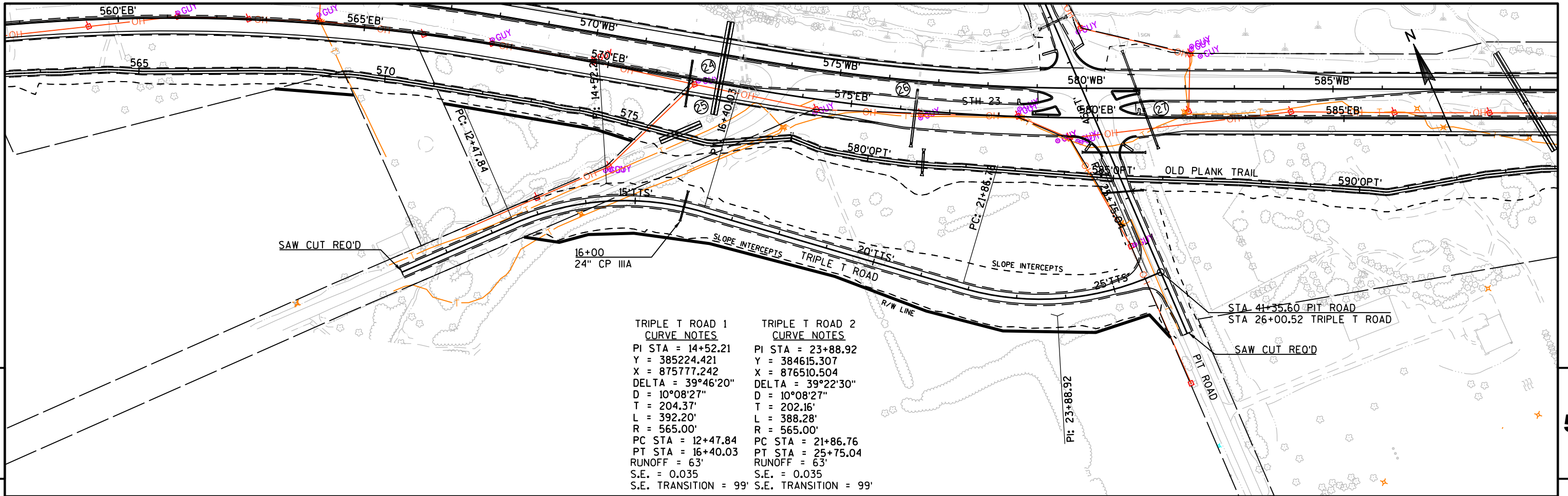


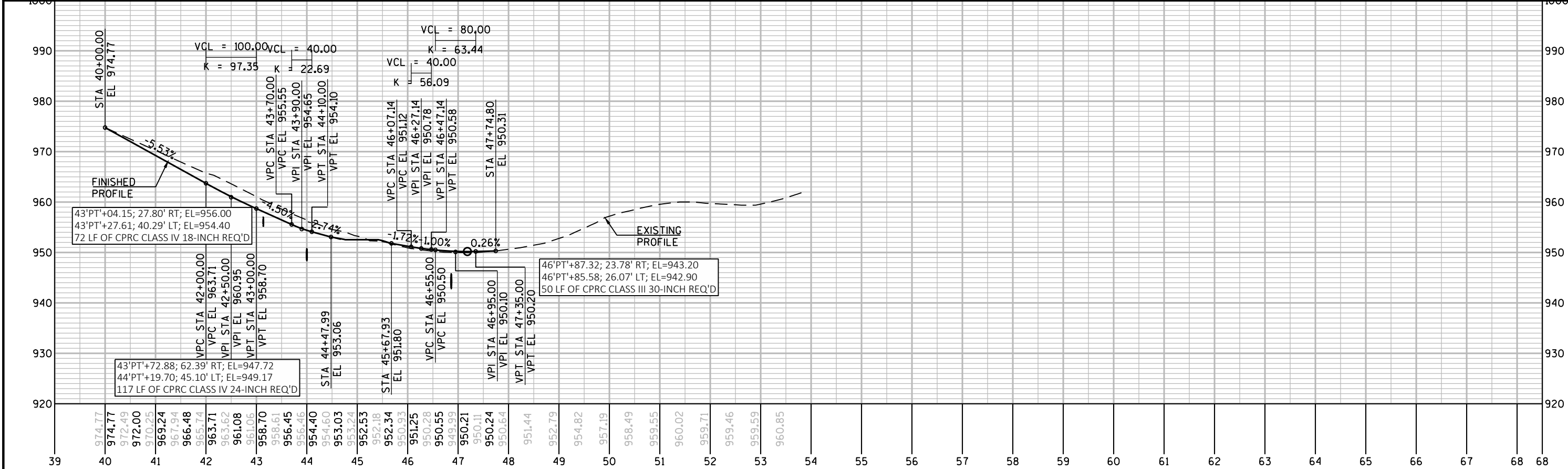
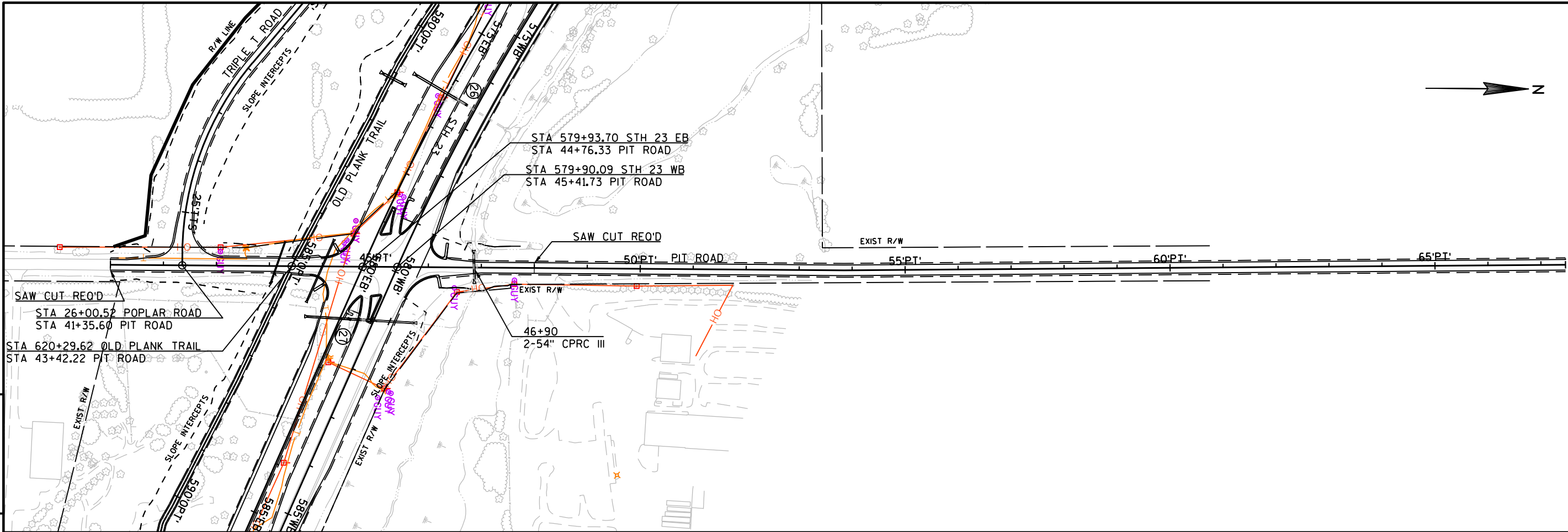
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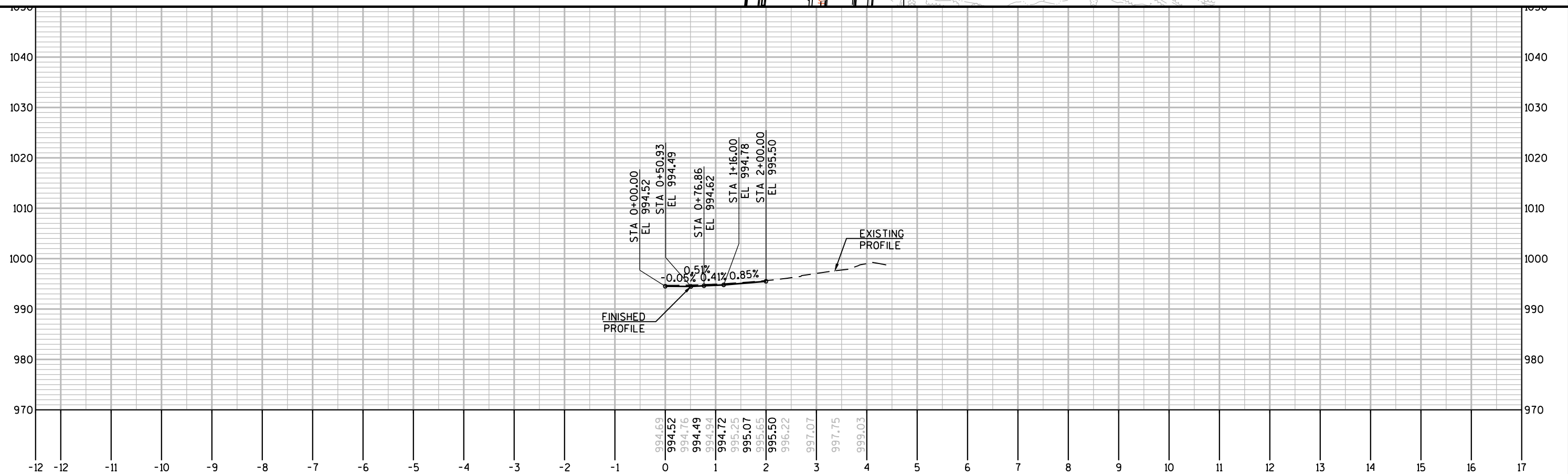
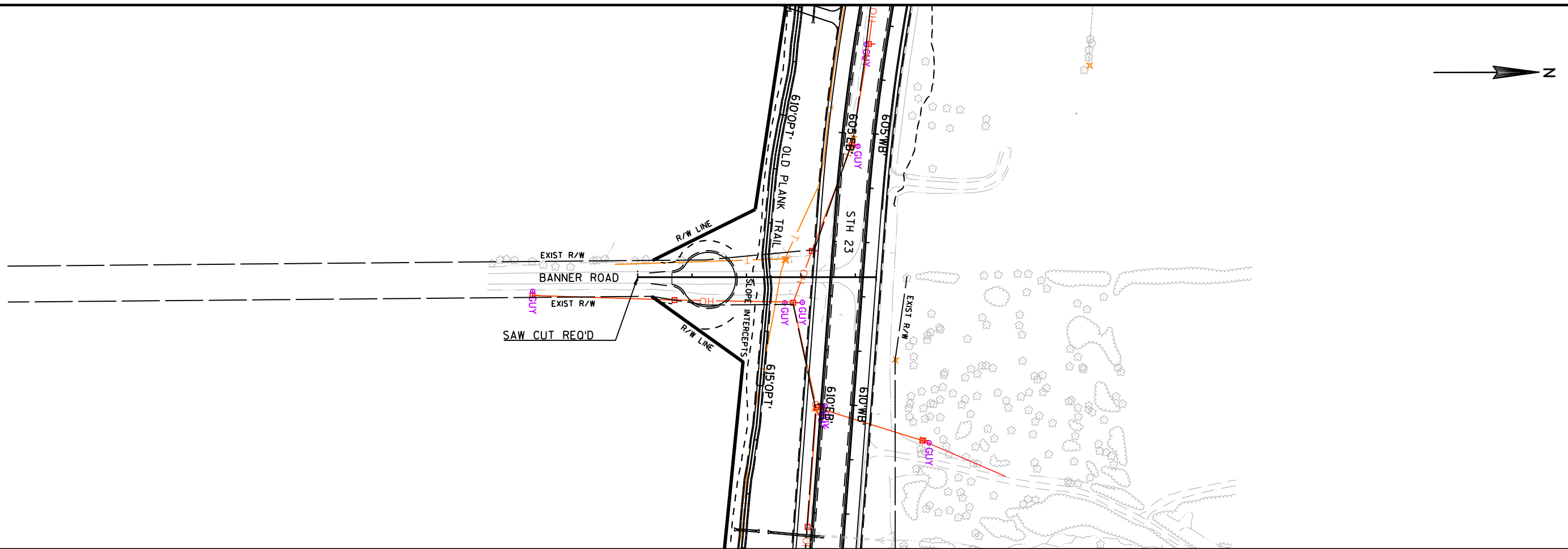
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PROJECT NO:1440-15-72/73

HWY: STH 23

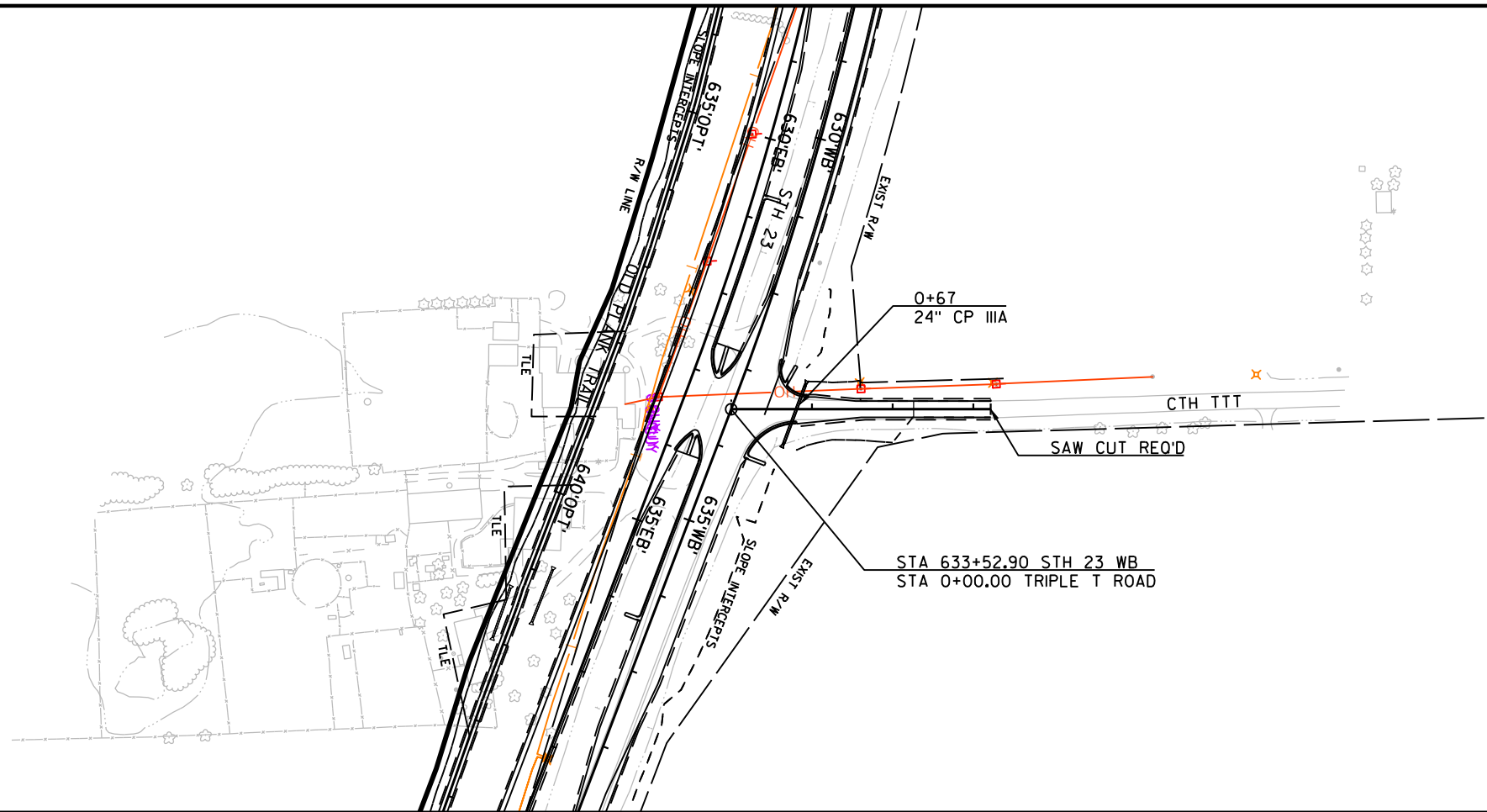
COUNTY:FOND DU LAC

PLAN AND PROFILE: BANNER ROAD

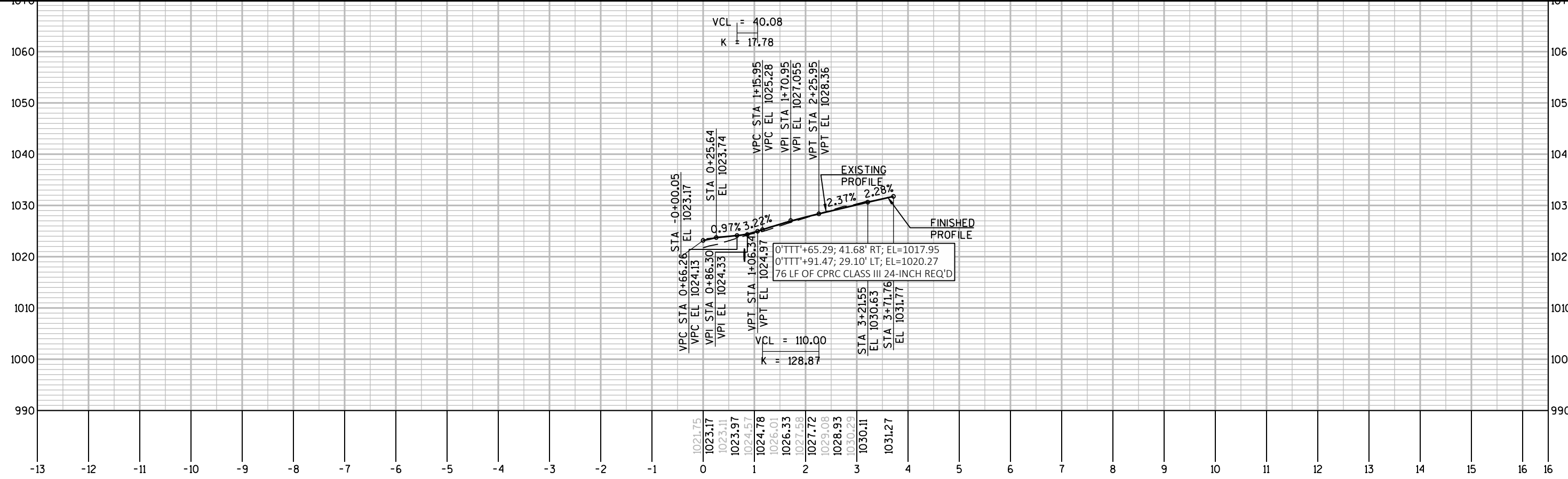
SHEET

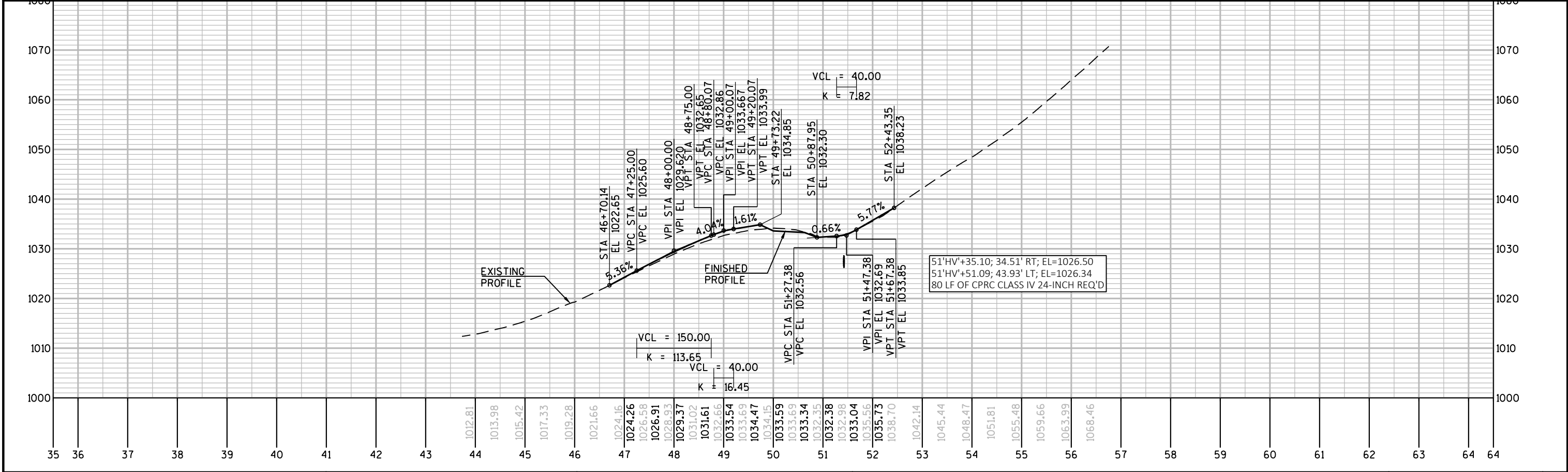
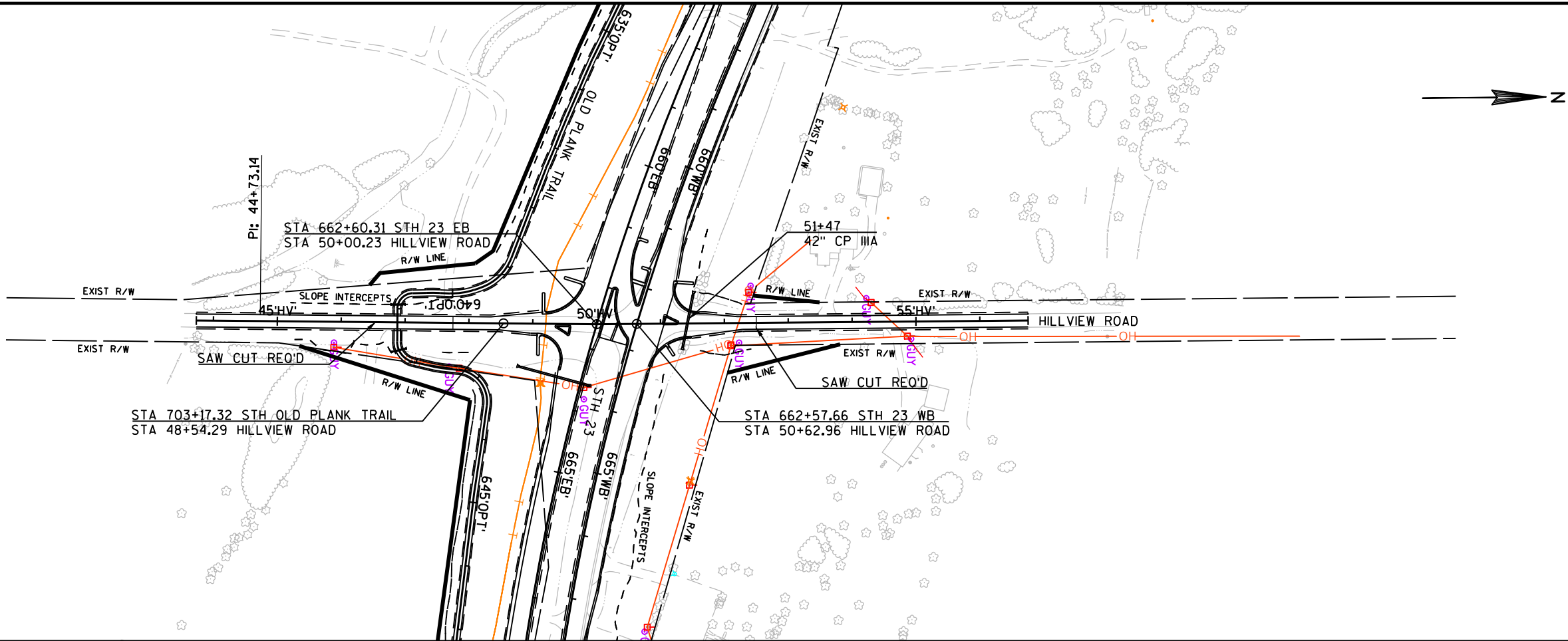
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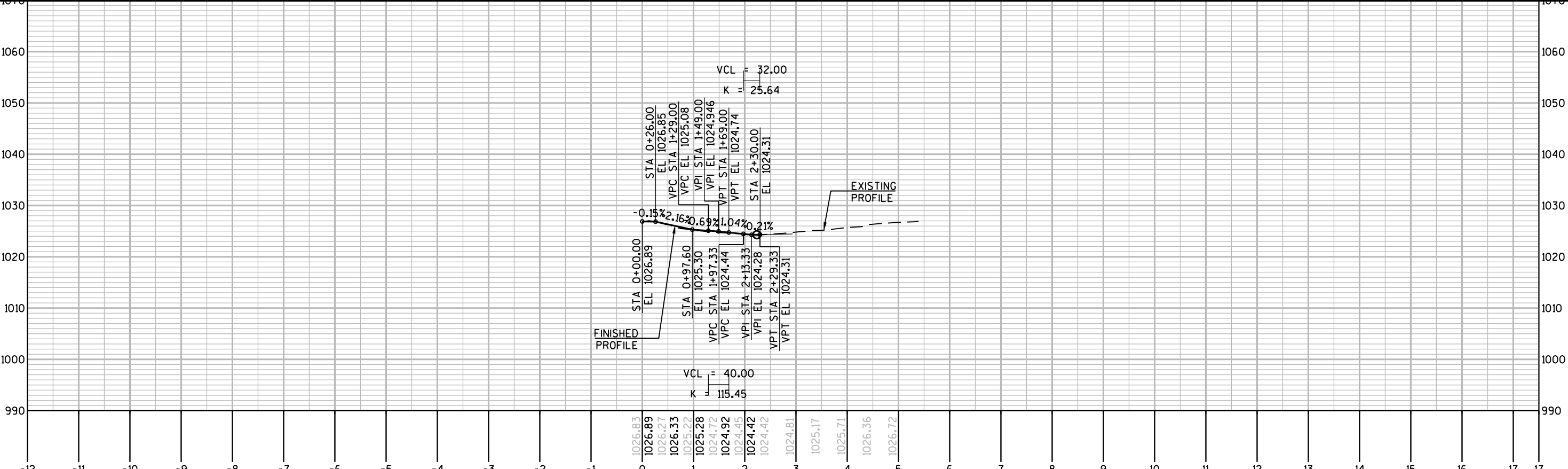
5





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5



PROJECT NO:1440-15-72/73

HWY:STH 23

COUNTY:FOND DU LAC

PLAN AND PROFILE: HICKORY ROAD

SHEET

3

FILE NAME : N:\PDS\C3D\14401501\SHEETSP\PLAN AND PROFILES\HICKORY RD\HICKORY RD.DWG
LAYOUT NAME - HICKORY RD - HICKORY RD - (1)

PLOT DATE : 2/13/2019 2:41 PM PLOT BY : MARTENS, JOHN M

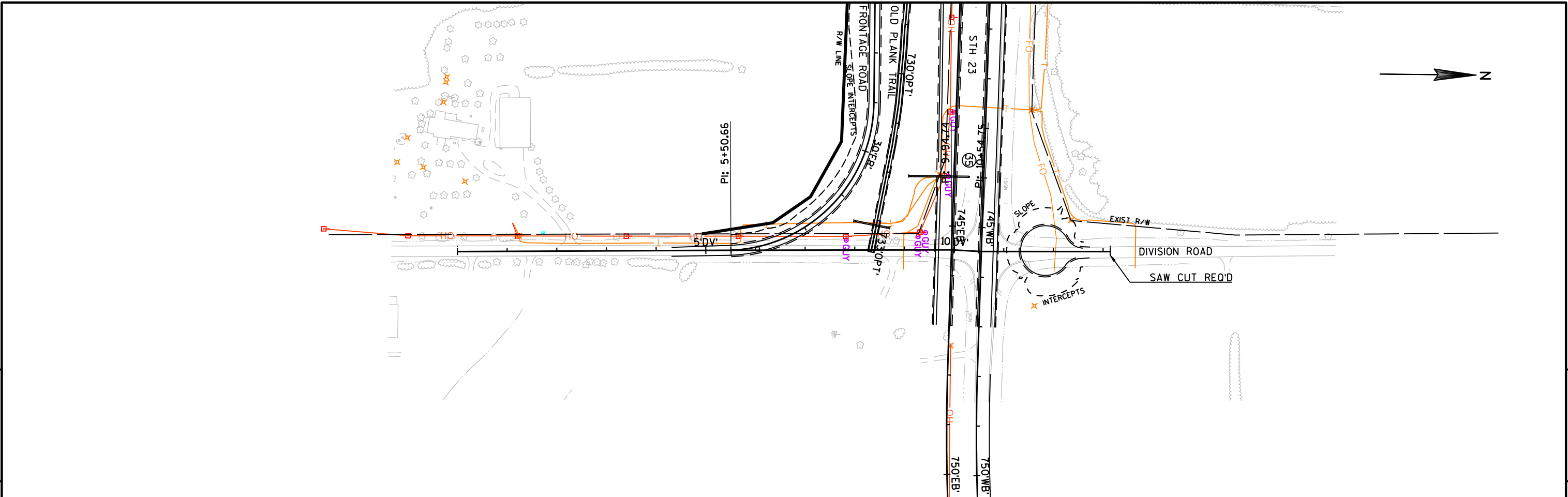
PLOT BY : MARTENS, JOHN M PLOT NAME :

PLOT NAME : PLOT SCALE : 1 IN:200 FT

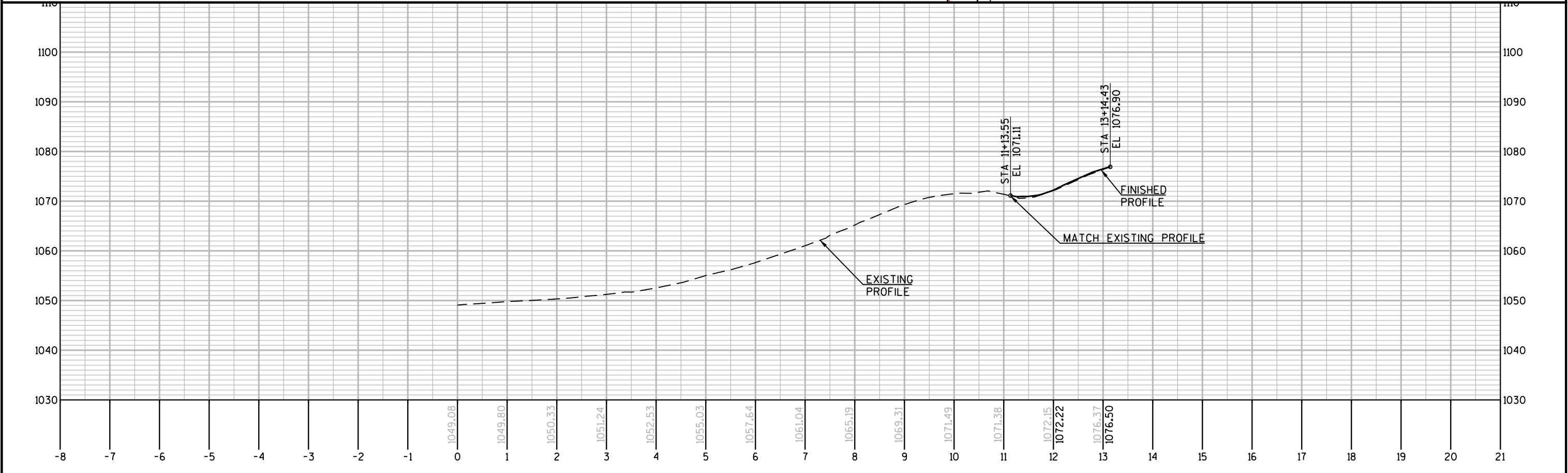
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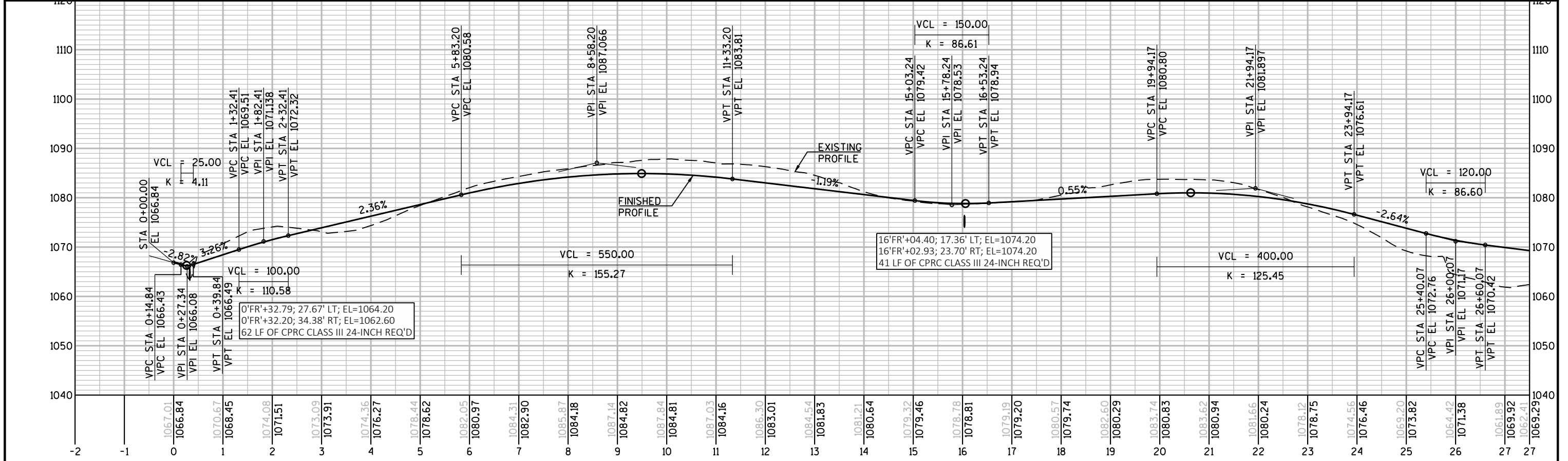
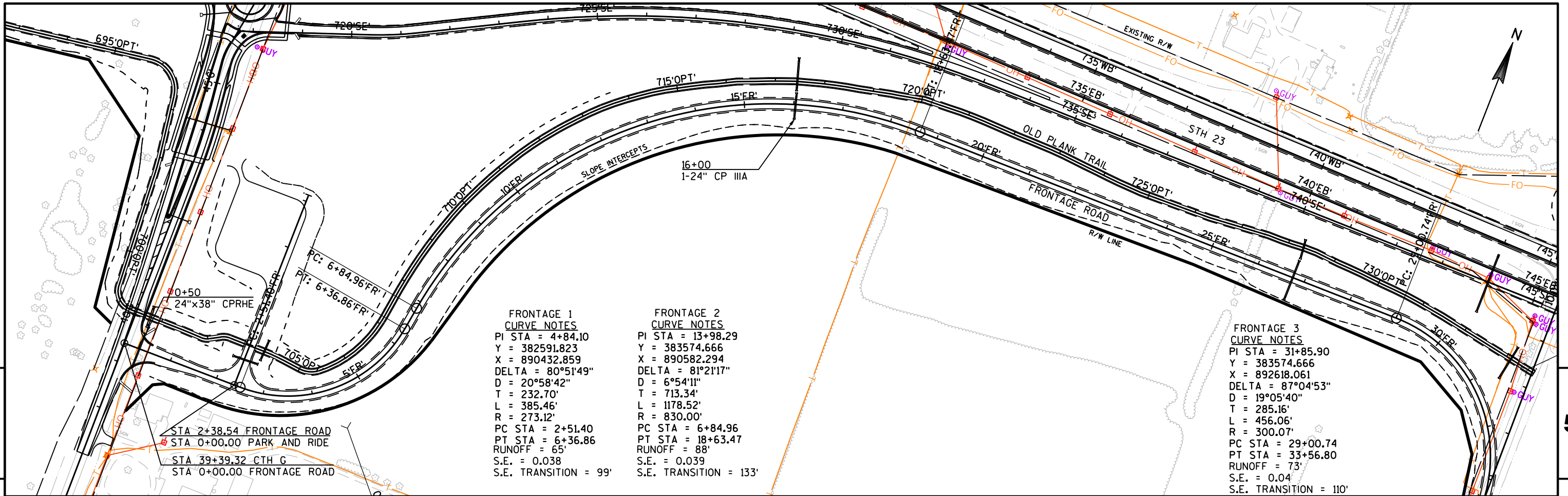
WISDOT/CADDs SHEET 44

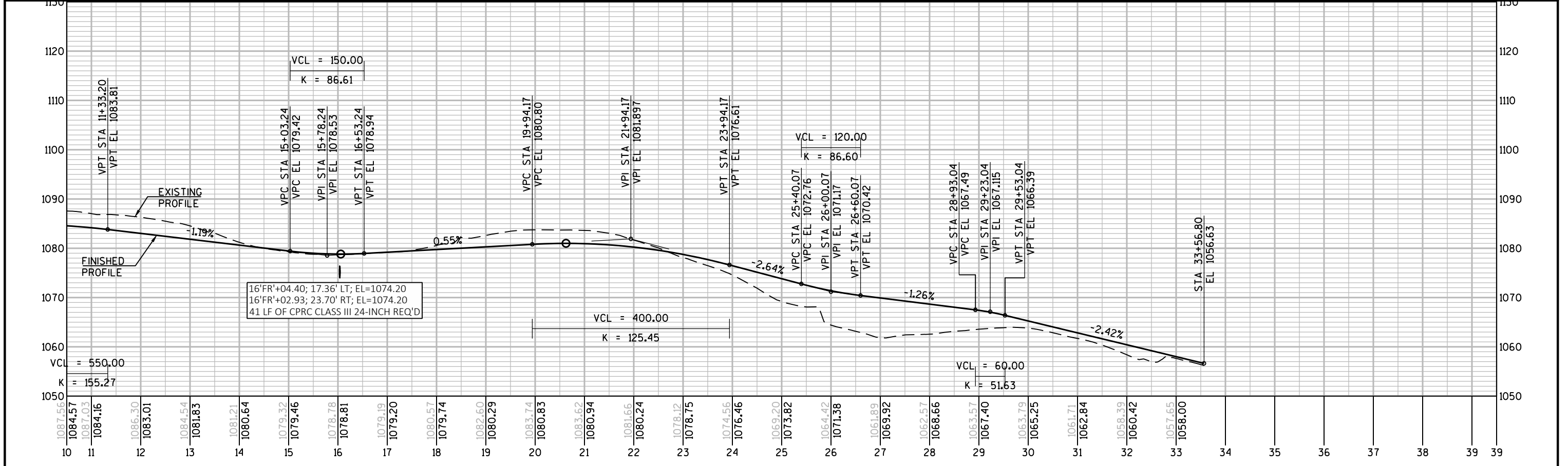
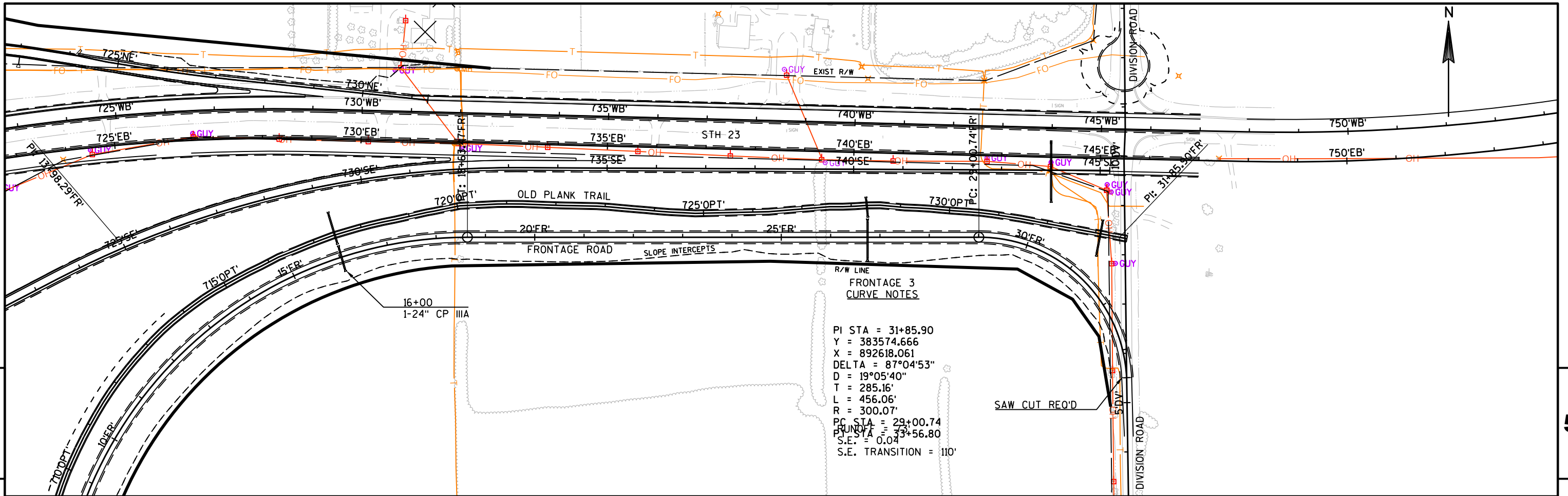
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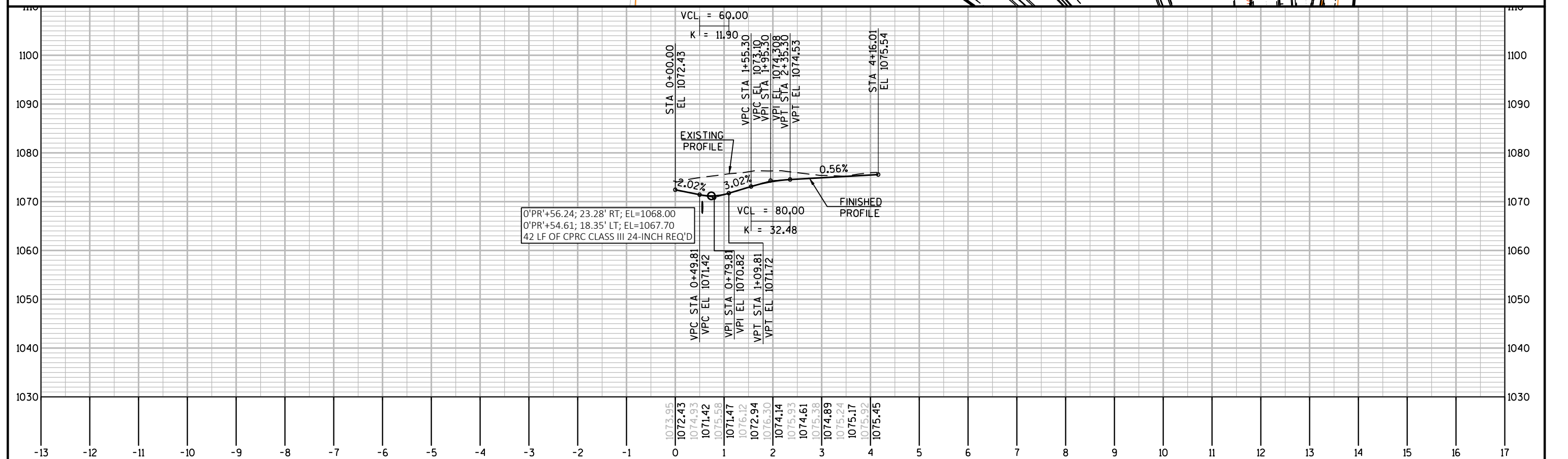
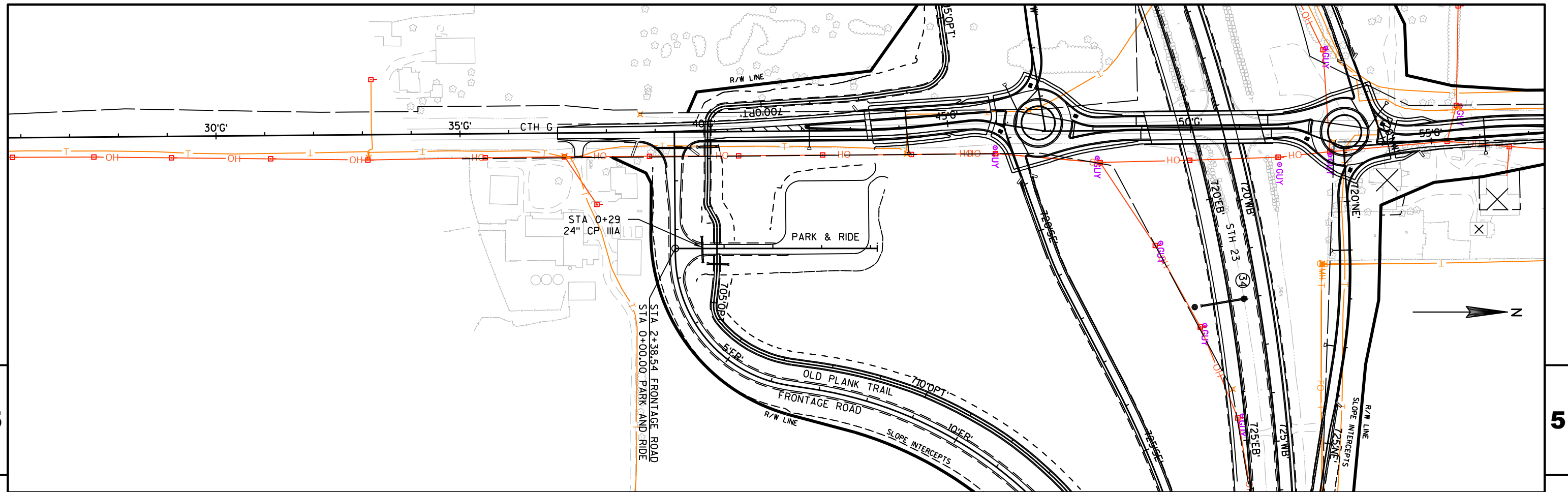


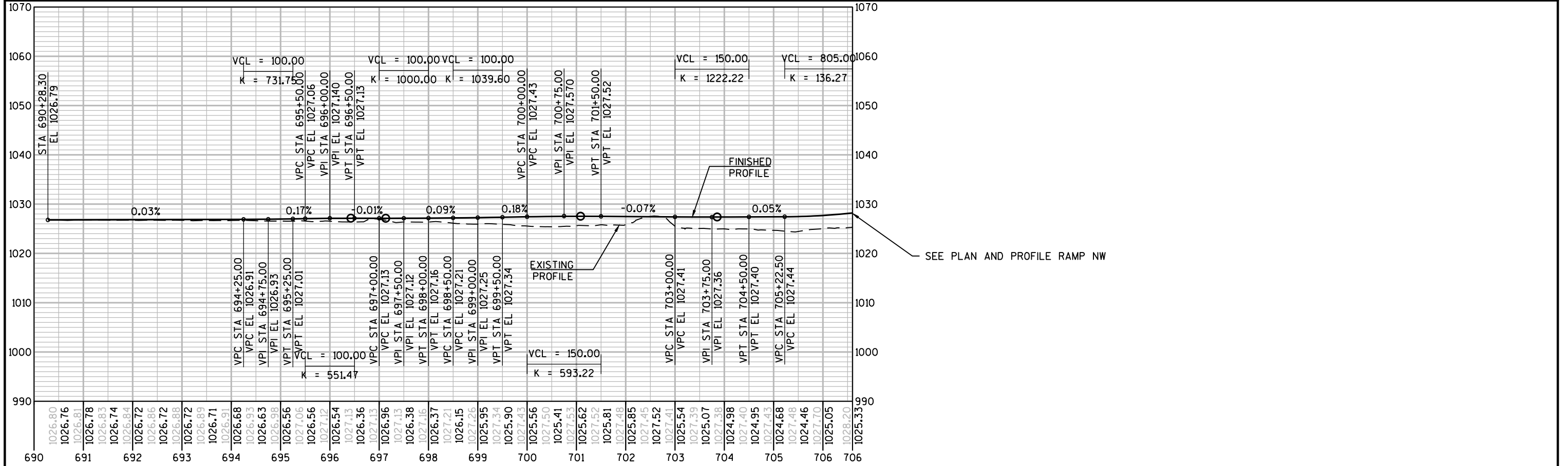
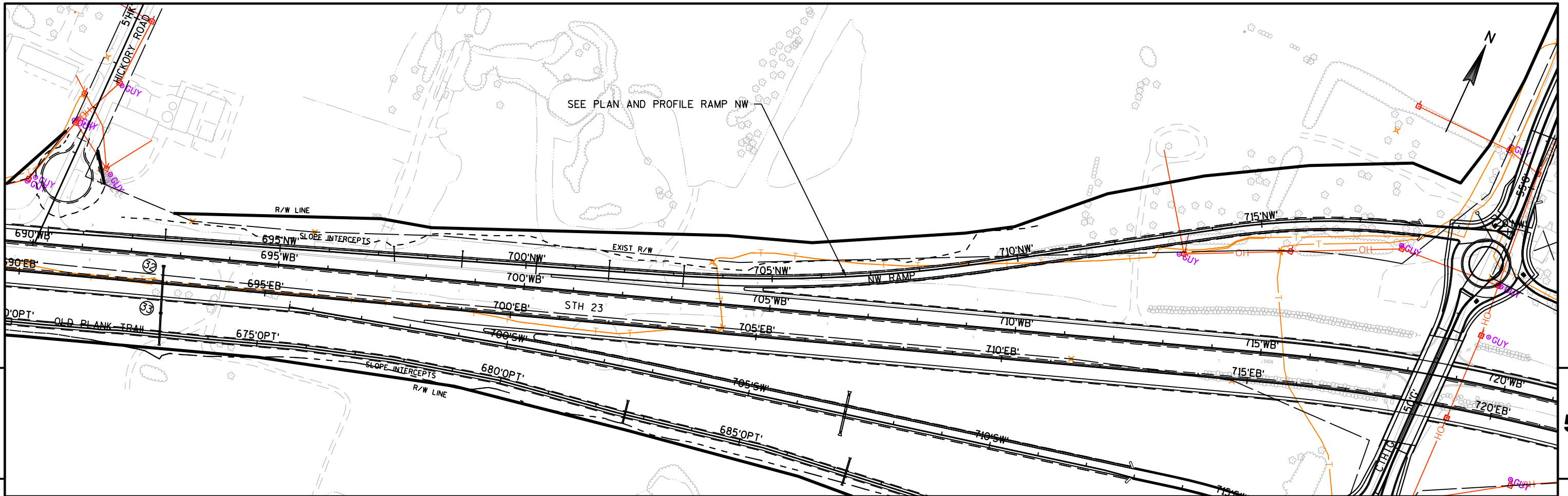
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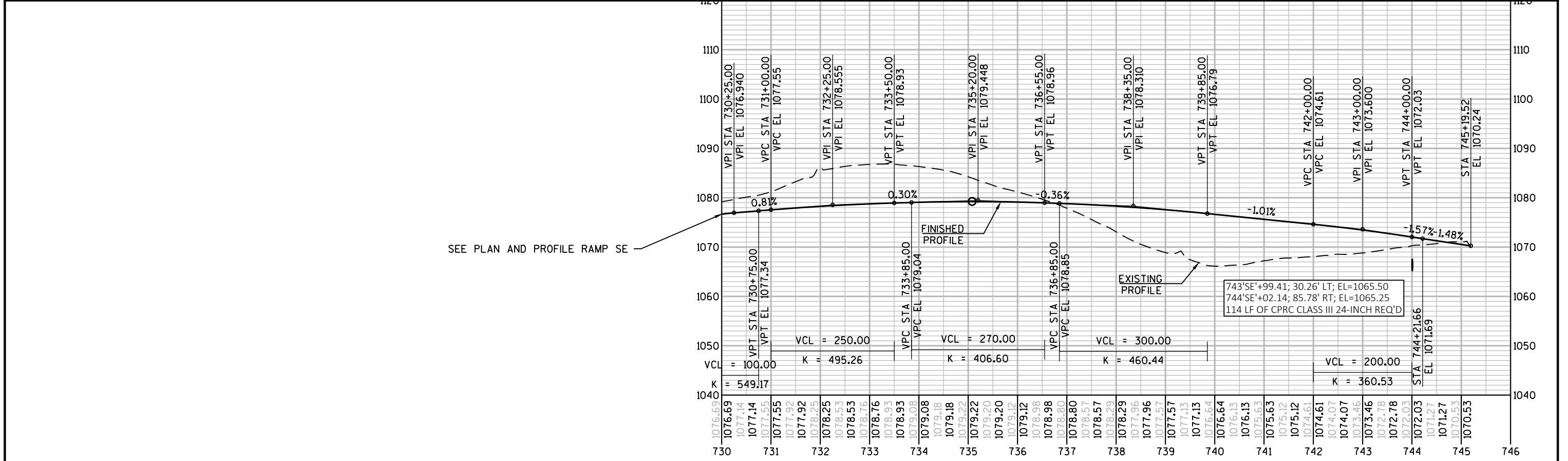
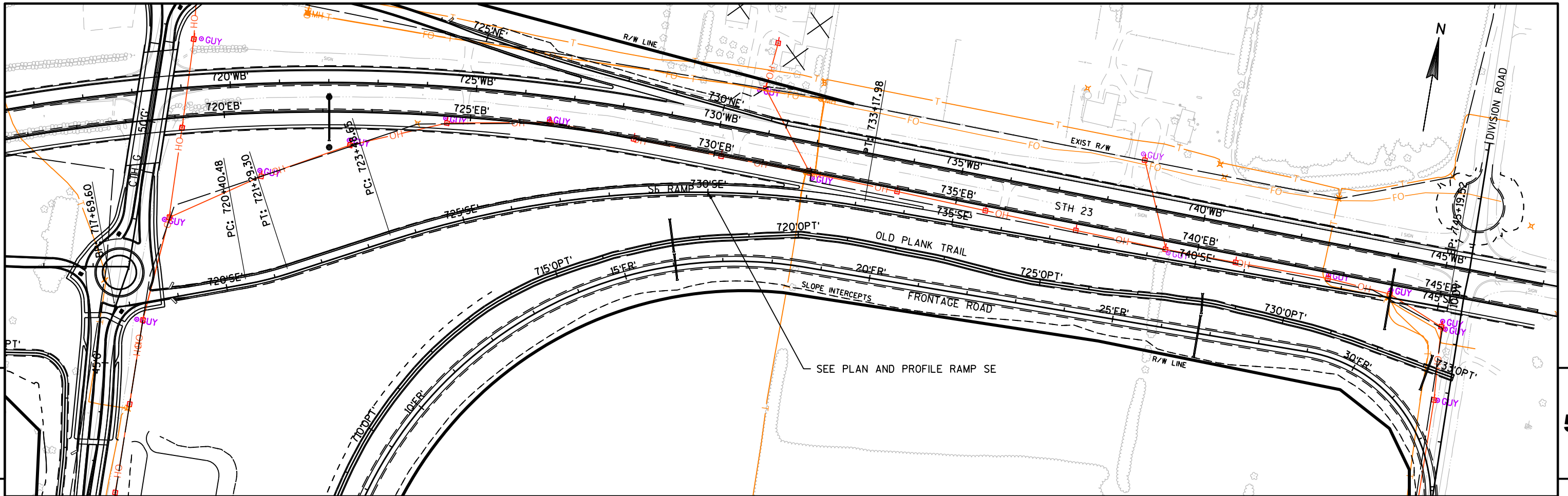


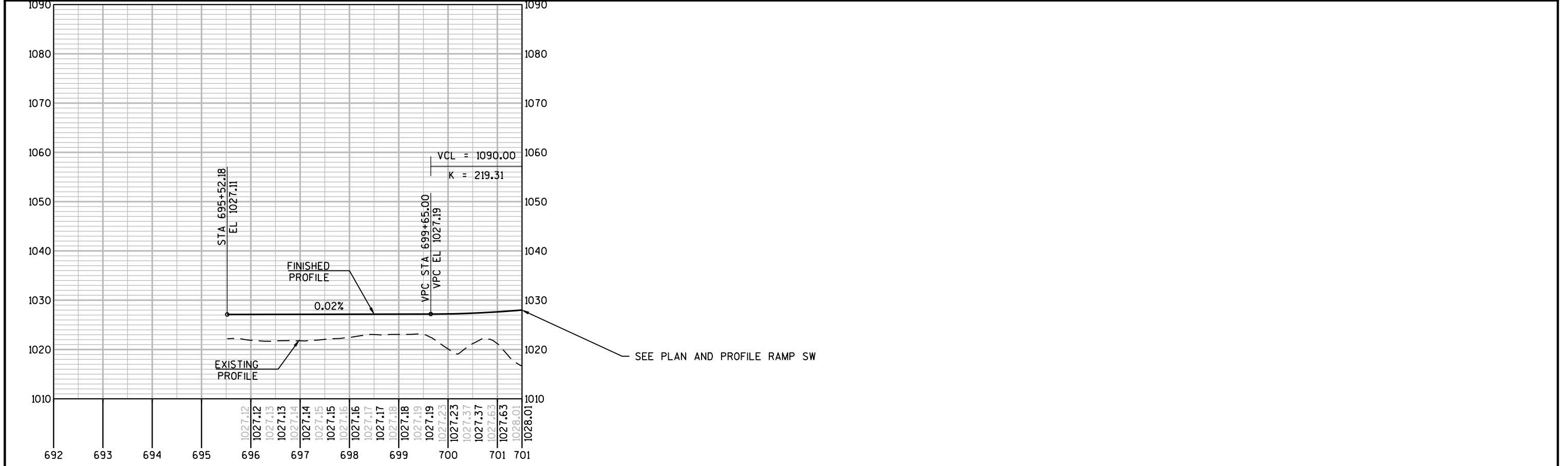
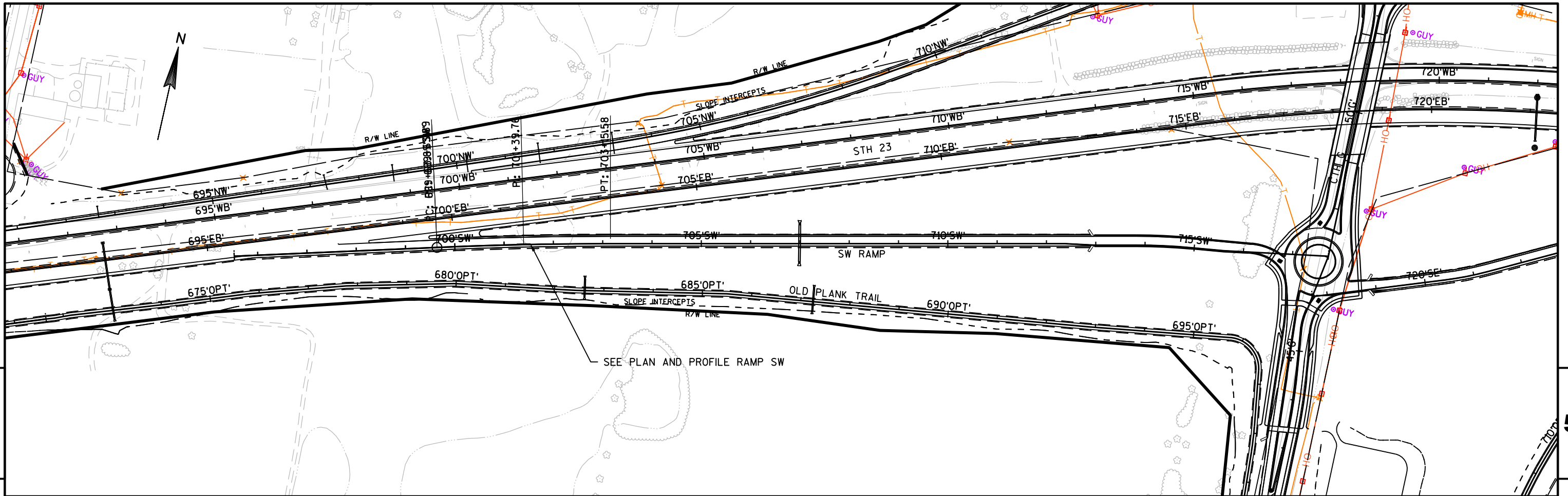












PROJECT NO:1440-15-72/73	HWY:STH 23	COUNTY:FOND DU LAC	PLAN AND PROFILE: SW RAMP-TAPER TO STH G	SHEET	E
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