

Information for File # 2015-00072-WMS

Applicant: Washburn County Highway Department

Corps Contact: Bill Sande

Address: 15954 Rivers Edge Drive, Suite 240, Hayward, WI 54843

E-Mail: William.M.Sande@usace.army.mil

Phone: (715) 934-2170

Primary County: Washburn County, Wisconsin

Section(s): 9, 16, 21

Township: 41N

Range: 10W

Information Complete On: February 13, 2015

Posting Expires On: March 14, 2015

Authorization Type: LOP-06-WI

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated waterbody/wetland impacts and compensatory mitigation requirements identified above. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

Project Description and Purpose: The applicant proposes to discharge fill material into 1.43 acres of wetlands for the reconstruction of 2.95 miles of CTH M from STH 77 to the CN railroad intersection. The roadway was last surfaced in 2003 and is in very poor condition as it serves as a major truck route for forest products delivering to the rail load-out in Stanberry and to forest products industries in Hayward. The reconstruction will maintain the current roadway width of 24 feet with 4-foot gravel shoulder and follow the existing alignment. The roadway would be raised by the placement of 4 inches of pavement over 8 inches of base aggregate over 12 inches of breaker run. 3:1 side-slopes would be incorporated to reduce wetland impacts.

Name, Area and Types of Waters (Including Wetlands) Subject to Loss: The project would result in discharges of fill material into 1.43 acres of shallow marsh and wet meadow wetlands within the road right-of-way. The wetlands are part of larger coniferous swamp and alder thicket wetland complexes adjacent to Chippanazie Creek and its tributaries.

Compensatory Mitigation: The applicant proposes to purchase wetland credits from wetland mitigation bank as a first priority. However, the applicant may also purchase wetland credits from the Wisconsin Wetland Conservation Trust (WWCT) In-lieu Fee Program in the event that sufficient wetland mitigation bank credits are no longer available. A determination on the final compensation option, including appropriate debit ratios, is pending.

Drawings See attached.

PROJECT ID: WASCO 122435

COUNTY: WASHBURN

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 =

WASHBURN COUNTY

PLAN OF PROPOSED IMPROVEMENT

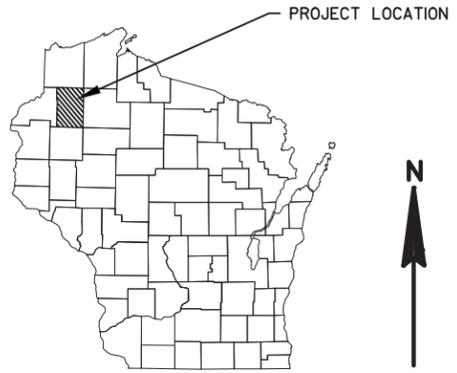
TOWN OF STINNETT, CTH M

USH 63 - STH 77

CTH M

WASHBURN COUNTY

STATE PROJECT NUMBER
WASCO 122435



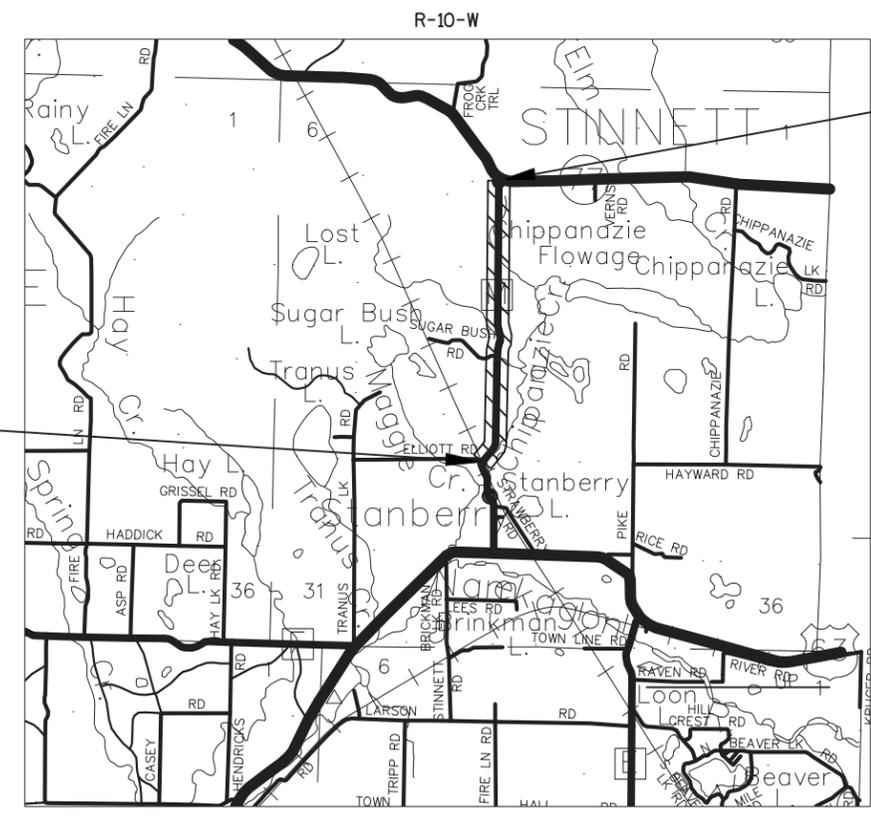
DESIGN DESIGNATION

A.A.D.T. 2015	=	420
A.A.D.T. 2035	=	570
D.H.V.	=	N/A
D.D.	=	N/A
T.	=	N/A
DESIGN SPEED	=	60
ESALS	=	N/A

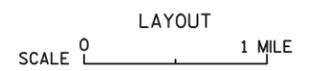
CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	
EXISTING RIGHT OF WAY		GRADE ELEVATION	
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE		ELECTRIC	
EXISTING CULVERT		FIBER OPTIC	
PROPOSED CULVERT (Box or Pipe)		GAS	
COMBUSTIBLE FLUIDS		SANITARY SEWER	
MARSH AREA		STORM SEWER	
WOODED OR SHRUB AREA		TELEPHONE	
		WATER	
		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	

BEGIN PROJECT
STA 100+79.00
Y= 636514.299
X= 807613.666



END PROJECT
STA 256+70.00



TOTAL NET LENGTH OF CENTERLINE = 2.95 MI

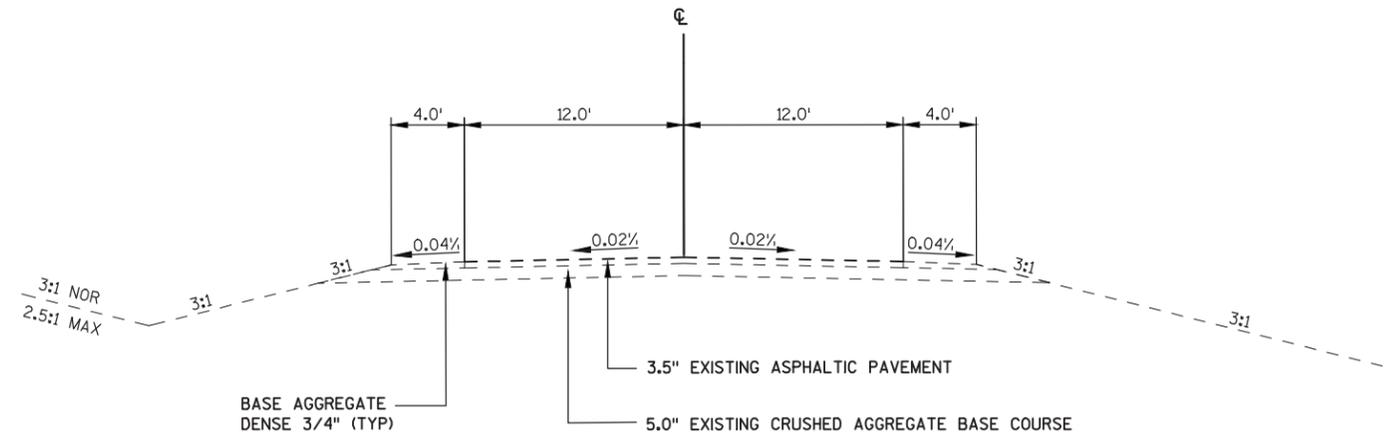
COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, WASHBURN COUNTY

ACCEPTED FOR
COUNTY _____ of _____ WASHBURN

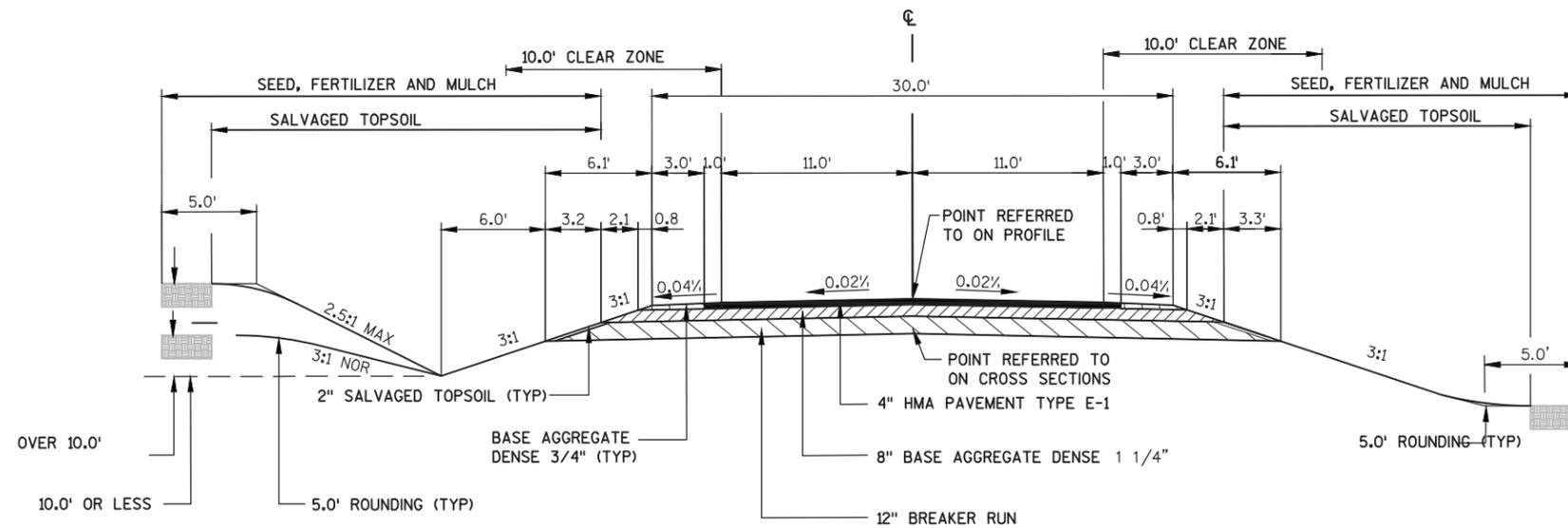
(Date) _____ (Signature & Title of Official)

ORIGINAL PLANS PREPARED BY

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TYPICAL EXISTING SECTION
STA 100+79.0 TO STA 256+70.0



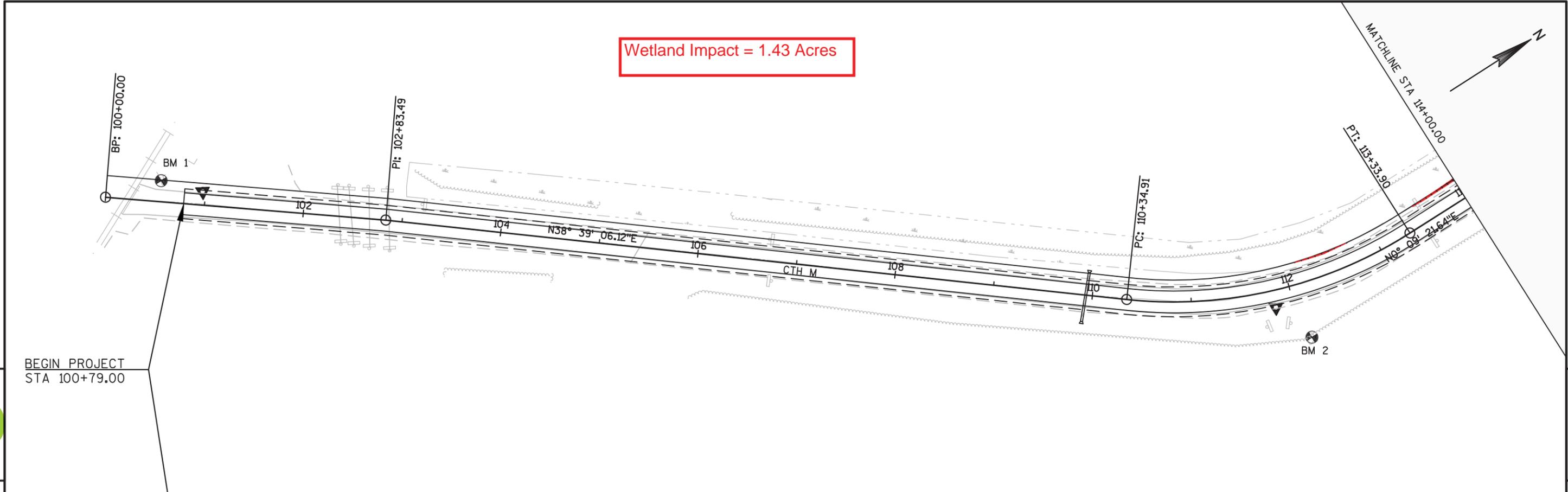
TYPICAL FINISHED SECTION
STA 100+79.0 TO STA 256+70.0

SUPERELEVATION TABLE CTH M					
STATION	DESCRIPTION	LEFT SHOULDER	LEFT LANE	RIGHT LANE	RIGHT SHOULDER
100+00.0'	Begin Alignment	-4.00%	-2.00%	-2.00%	-4.00%
109+36.44'	End Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
109+36.44'	End Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%
109+72.91'	Level Crown	-4.00%	-2.00%	0.00%	0.00%
110+09.38'	Reverse Crown	-4.00%	-2.00%	2.00%	2.00%
110+45.85'	Begin Shoulder Rollover	-4.00%	-2.00%	4.00%	4.00%
110+65.91'	Begin Full Super	-5.10%	-5.10%	5.10%	5.10%
113+02.90'	End Full Super	-5.10%	-5.10%	5.10%	5.10%
113+22.96'	End Shoulder Rollover	-4.00%	-2.00%	4.00%	4.00%
113+59.43'	Reverse Crown	-4.00%	-2.00%	2.00%	2.00%
113+95.90'	Level Crown	-4.00%	-2.00%	0.00%	0.00%
114+32.37'	Begin Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%
114+32.37'	Begin Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
162+75.96'	End Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
162+75.96'	End Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%
163+17.18'	Level Crown	0.00%	0.00%	-2.00%	-4.00%
163+58.41'	Reverse Crown	2.00%	2.00%	-2.00%	-4.00%
163+99.63'	Begin Shoulder Rollover	4.00%	4.00%	-2.00%	-4.00%
164+18.18'	Begin Full Super	4.90%	4.90%	-4.90%	-4.90%
165+86.88'	End Full Super	4.90%	4.90%	-4.90%	-4.90%
166+05.43'	End Shoulder Rollover	4.00%	4.00%	-2.00%	-4.00%
166+46.66'	Reverse Crown	2.00%	2.00%	-2.00%	-4.00%
166+87.88'	Level Crown	0.00%	0.00%	-2.00%	-4.00%
167+29.10'	Begin Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%
167+29.10'	Begin Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
169+57.66'	End Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
169+57.66'	End Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%
169+99.08'	Level Crown	-4.00%	-2.00%	0.00%	0.00%
170+40.51'	Reverse Crown	-4.00%	-2.00%	2.00%	2.00%
170+81.94'	Begin Shoulder Rollover	-4.00%	-2.00%	4.00%	4.00%
171+15.08'	Begin Full Super	-5.60%	-5.60%	5.60%	5.60%
174+24.14'	End Full Super	-5.60%	-5.60%	5.60%	5.60%
174+57.29'	End Shoulder Rollover	-4.00%	-2.00%	4.00%	4.00%
174+98.71'	Reverse Crown	-4.00%	-2.00%	2.00%	2.00%
175+40.14'	Level Crown	-4.00%	-2.00%	0.00%	0.00%
175+81.57'	Begin Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%
175+81.57'	Begin Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
176+34.82'	End Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
176+34.82'	End Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%
176+76.32'	Level Crown	0.00%	0.00%	-2.00%	-4.00%
177+17.82'	Reverse Crown	2.00%	2.00%	-2.00%	-4.00%
177+59.32'	Begin Full Super	4.00%	4.00%	-4.00%	-4.00%
177+59.32'	Begin Shoulder Rollover	4.00%	4.00%	-4.00%	-4.00%
180+47.22'	End Full Super	4.00%	4.00%	-4.00%	-4.00%
180+88.55'	Begin Full Super	2.00%	2.00%	-2.00%	-2.00%
183+41.39'	End Full Super	2.00%	2.00%	-2.00%	-4.00%
183+41.39'	Reverse Crown	2.00%	2.00%	-2.00%	-4.00%
183+82.39'	Level Crown	0.00%	0.00%	-2.00%	-4.00%
184+23.39'	Begin Normal Crown	-2.00%	-2.00%	-2.00%	-4.00%
184+23.39'	Begin Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
257+88.83'	End Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
257+88.83'	End Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%
258+23.12'	Level Crown	0.00%	0.00%	-2.00%	-4.00%
258+57.40'	Reverse Crown	2.00%	2.00%	-2.00%	-4.00%
258+71.12'	Begin Full Super	2.80%	2.80%	-2.80%	-2.80%
262+31.30'	End Full Super	2.80%	2.80%	-2.80%	-2.80%
262+45.02'	Reverse Crown	2.00%	2.00%	-2.00%	-4.00%
262+79.30'	Level Crown	0.00%	0.00%	-2.00%	-4.00%
263+13.59'	Begin Normal Crown	-4.00%	-2.00%	-2.00%	-4.00%
263+13.59'	Begin Normal Shoulder	-4.00%	-2.00%	-2.00%	-4.00%
264+61.59'	End Alignment	-4.00%	-2.00%	-2.00%	-4.00%

NORMAL CROWN RATE = 0.020
SHOULDER NORMAL CROWN SUPERELEVATION RATE = 0.040

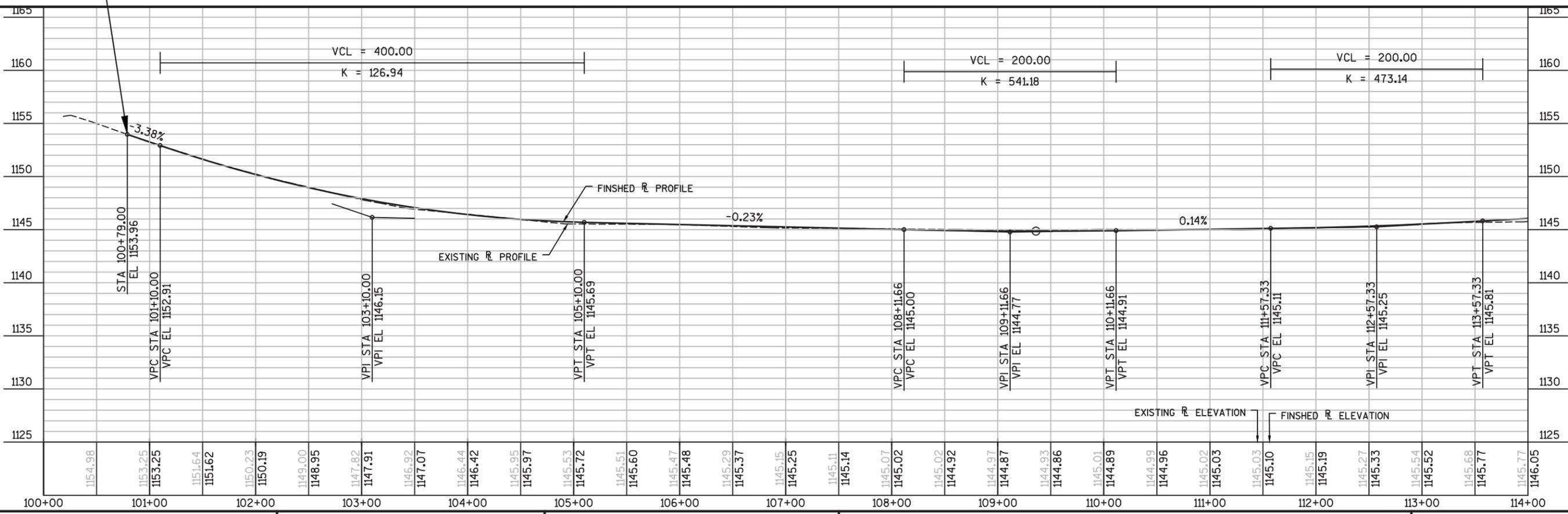
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Wetland Impact = 1.43 Acres



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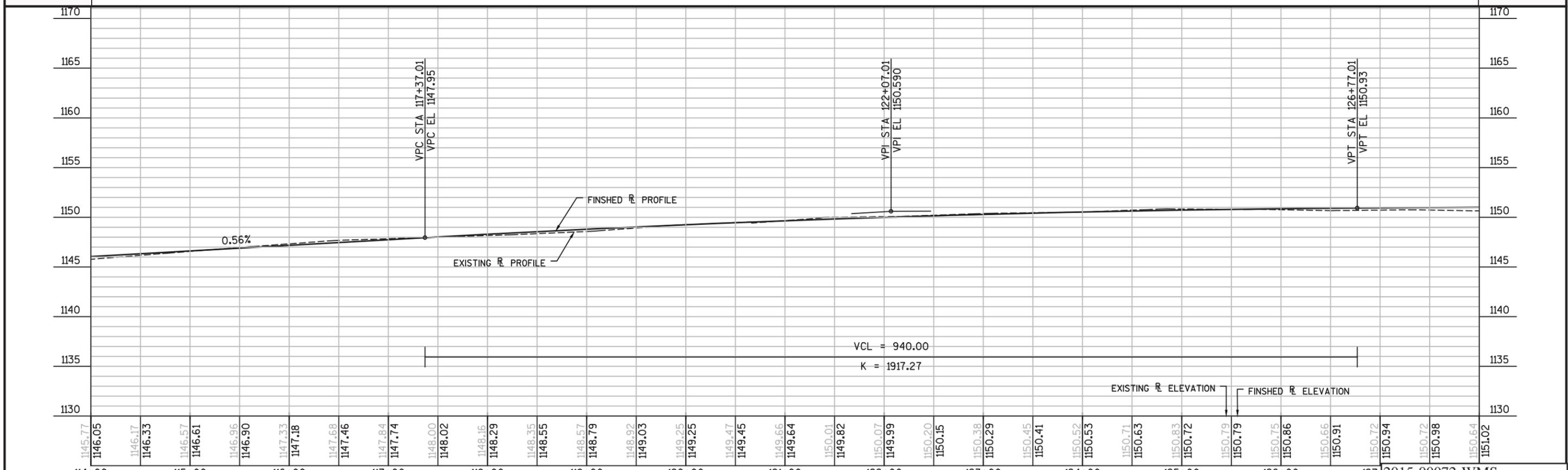
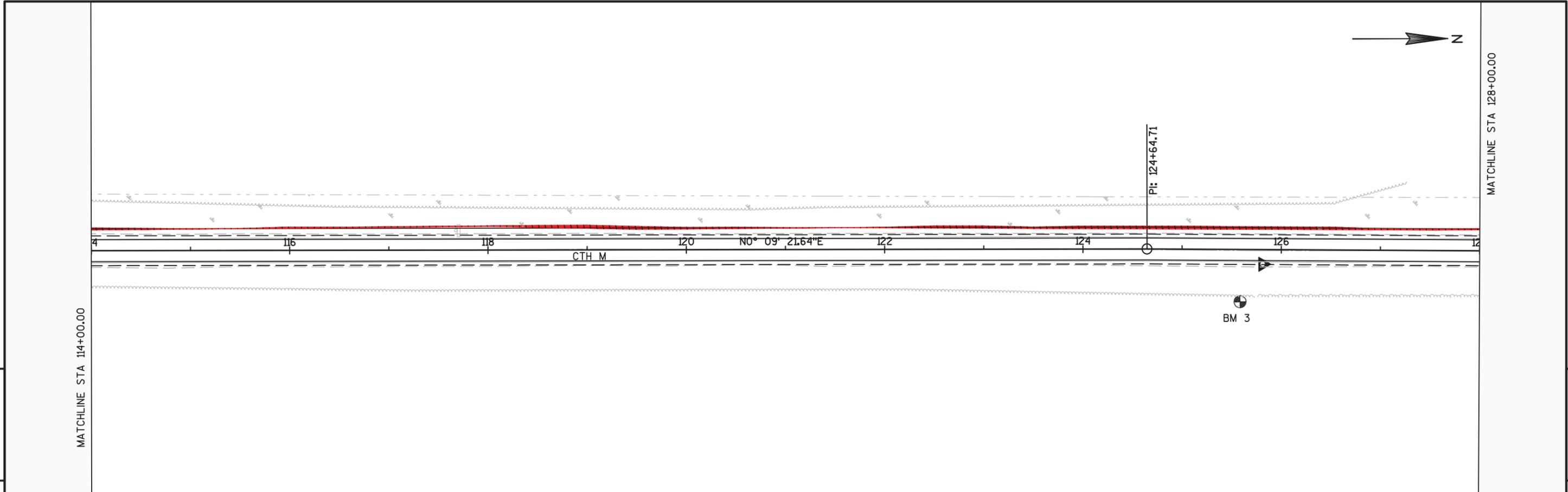
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PROJECT NO: WASCO 122435 HWY: CTH M COUNTY: WASHBURN PLAN AND PROFILE 2015-00072-WMS

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MATCHLINE STA 128+00.00

MATCHLINE STA 142+00.00

CTH M

PI: 131+06.37

N0° 12' 26.62\"/>

BM 4

5

1170

1165

1160

1155

1150

1145

1140

1135

128+00

129+00

130+00

131+00

132+00

133+00

134+00

135+00

136+00

137+00

138+00

139+00

140+00

141+00

142+00

1150.64

1151.02

1150.60

1151.05

1150.66

1151.09

1150.87

1151.13

1151.17

1151.16

1151.41

1151.20

1151.61

1151.27

1151.66

1151.40

1151.70

1151.54

1151.84

1151.68

1151.96

1151.81

1151.96

1151.95

1151.92

1152.08

1152.09

1152.22

1152.28

1152.36

1152.55

1152.49

1152.66

1152.63

1152.75

1152.77

1152.93

1152.90

1153.11

1153.04

1153.30

1153.18

1153.37

1153.37

1153.56

1153.61

1153.88

1153.90

1154.23

1154.24

1154.57

1154.56

1154.83

1154.84

1155.02

1155.10

1155.22

1155.33

VCL = 200.00
K = 476.38

VCL = 560.00
K = 793.36

STA 130+83.58
EL 1151.22

VPC STA 137+76.77
VPC EL 1153.11

VPI STA 138+76.77
VPI EL 1153.38

VPT STA 139+76.77
VPT EL 1154.08

VPC STA 139+82.83
VPC EL 1154.12

0.07%

0.27%

0.69%

EXISTING R ELEVATION

FINISHED R PROFILE

FINISHED R ELEVATION

PROJECT NO: WASCO 122435

HWY: CTH M

COUNTY: WASHBURN

PLAN AND PROFILE

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FILE NAME : P:\UZ\WASCO\122435\C3D\WASHBURN CTH M\SHEETS\OTHER\WETLAND IMPACTS.DWG
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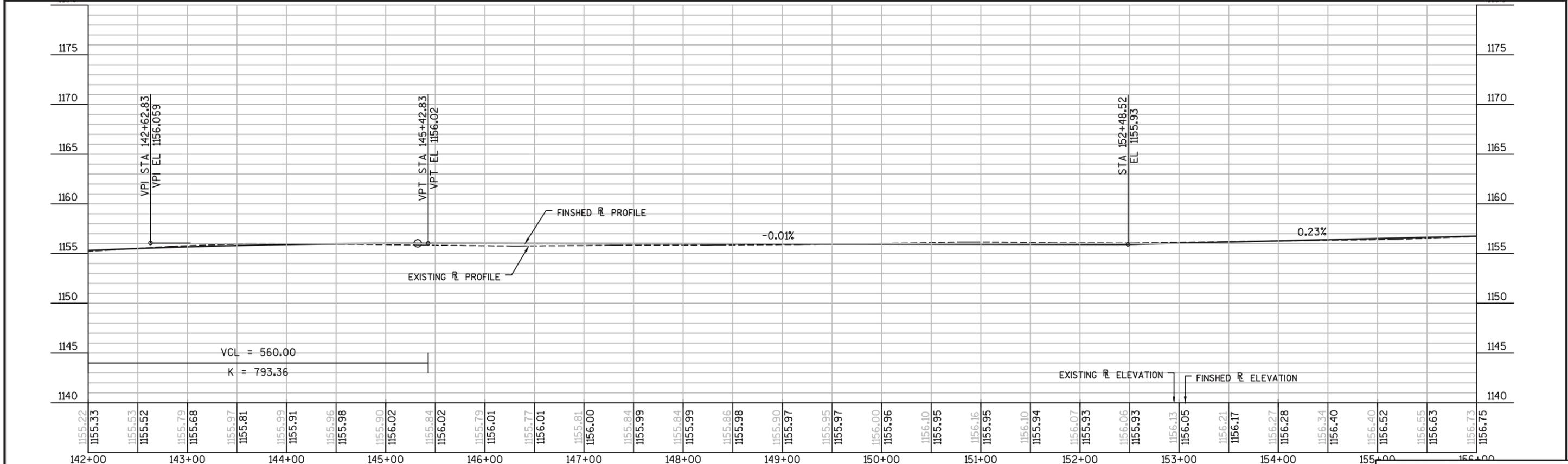
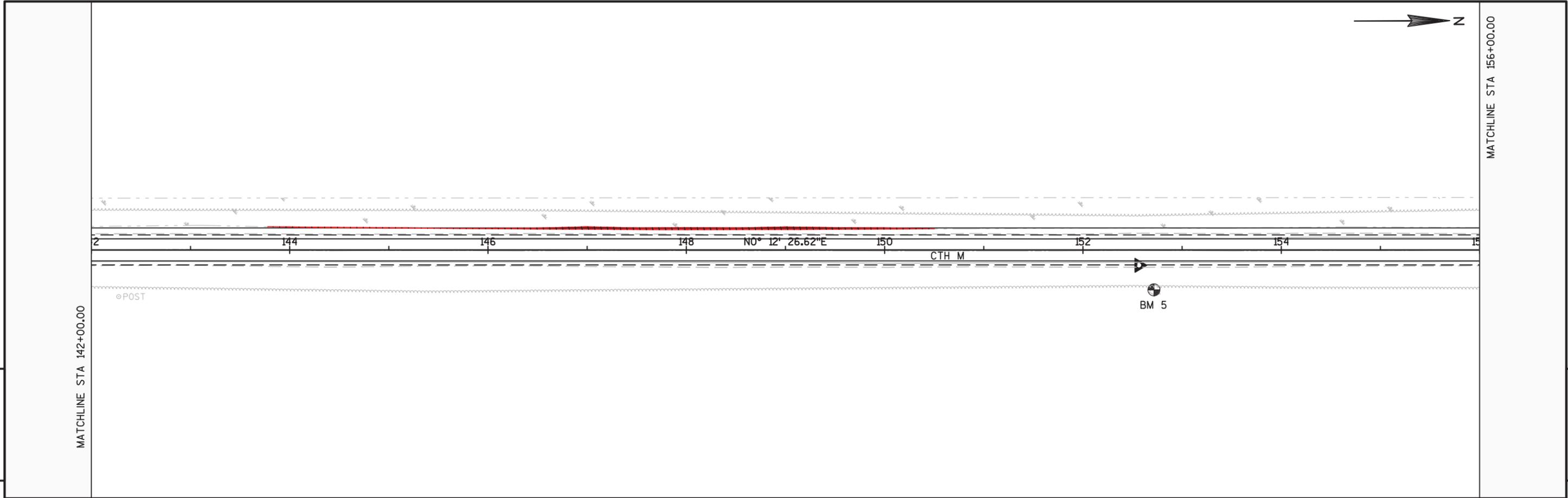
PLOT BY : SCOTT WAHLER

PLOT NAME :

PLOT SCALE : 1" = 100' X

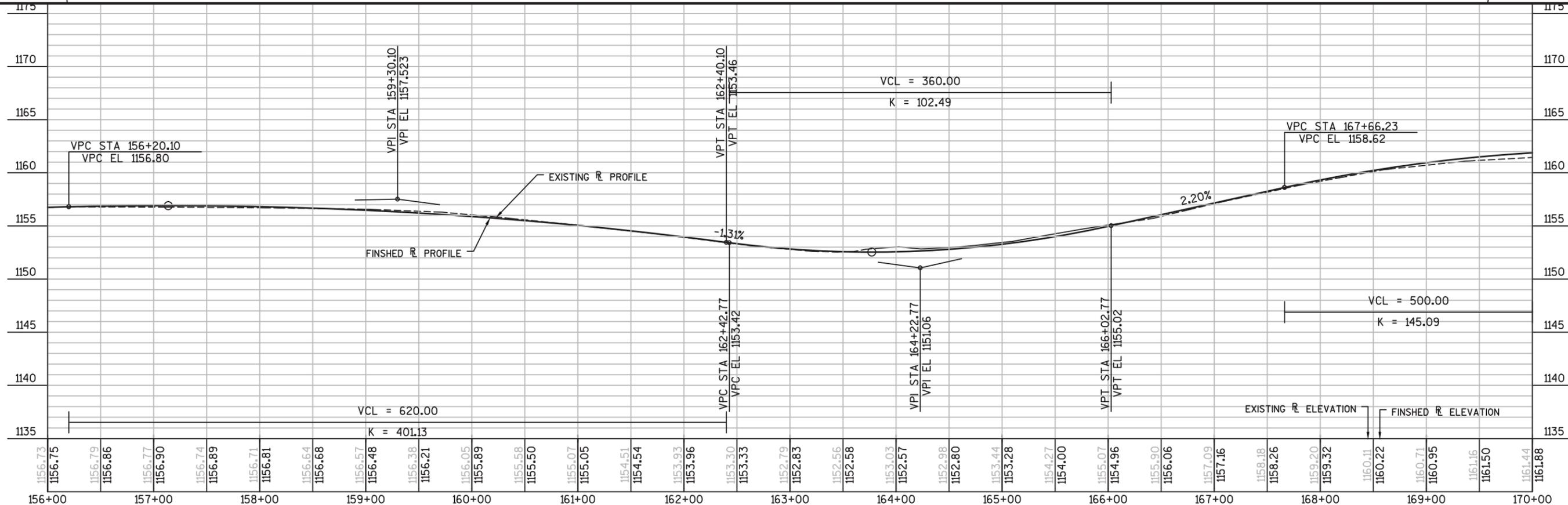
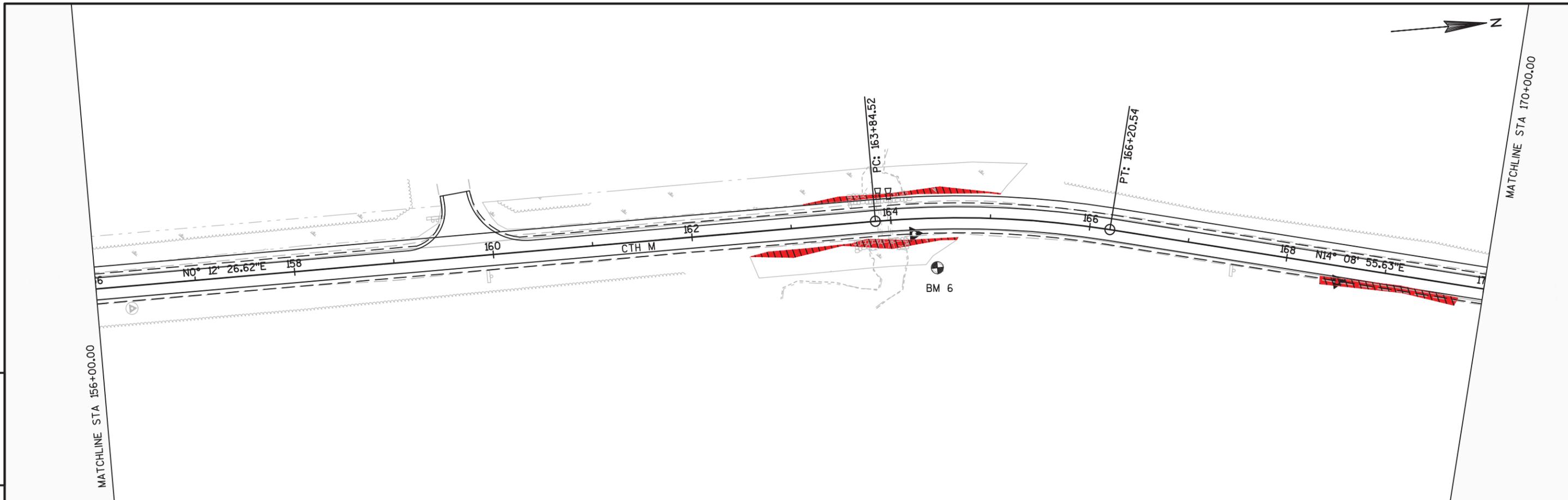
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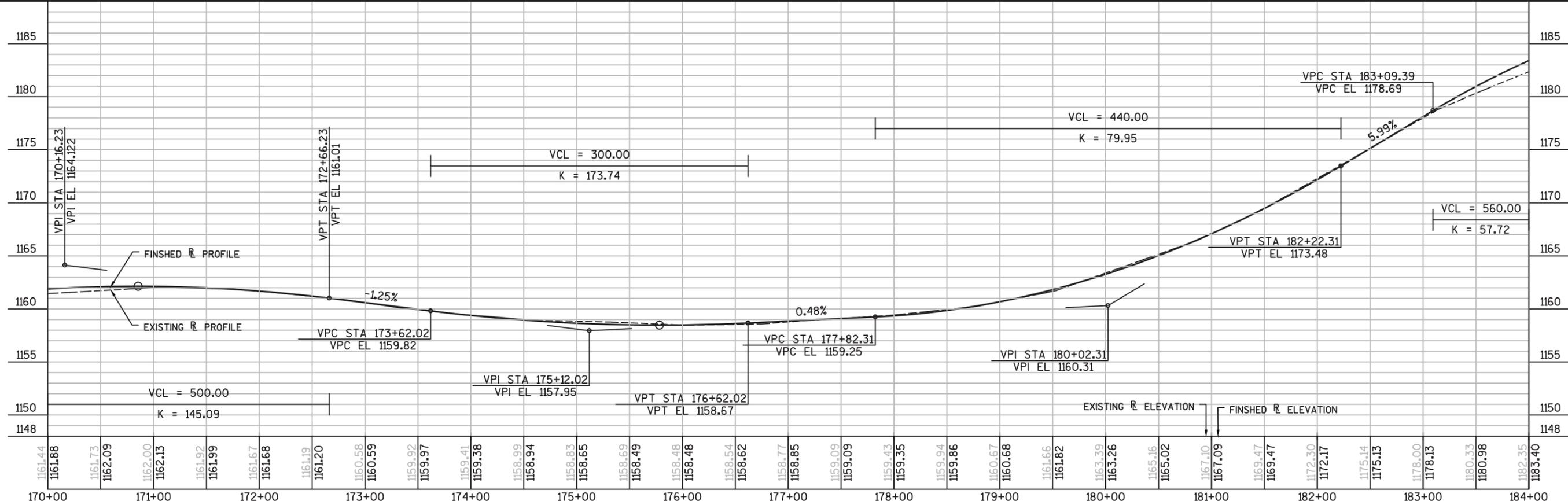
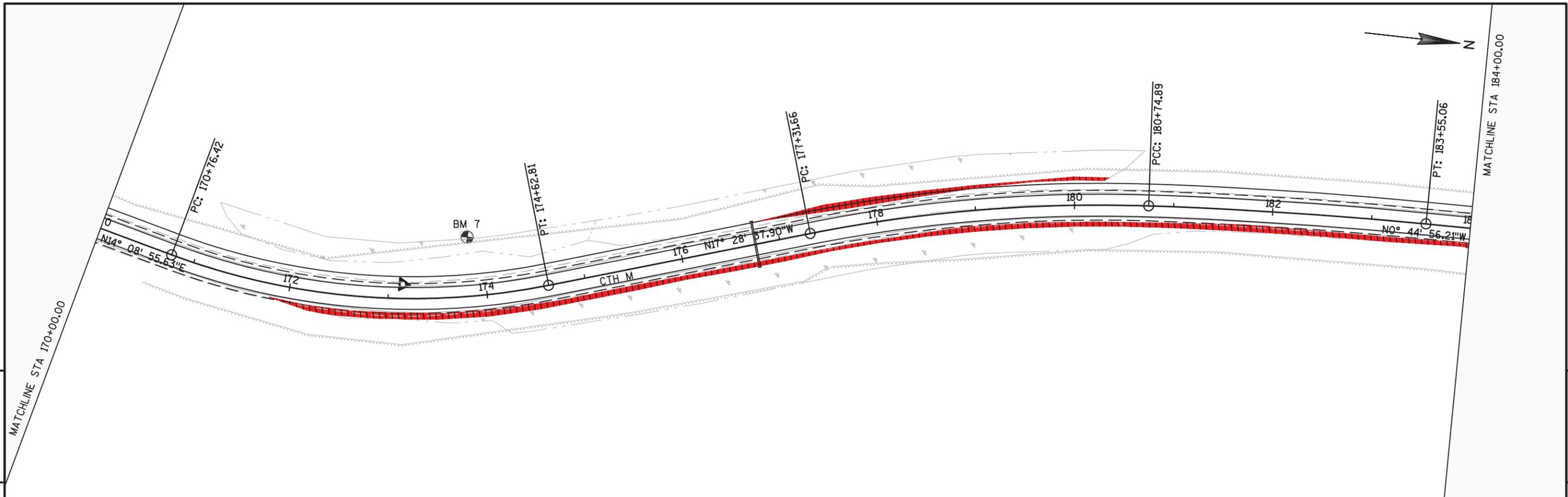
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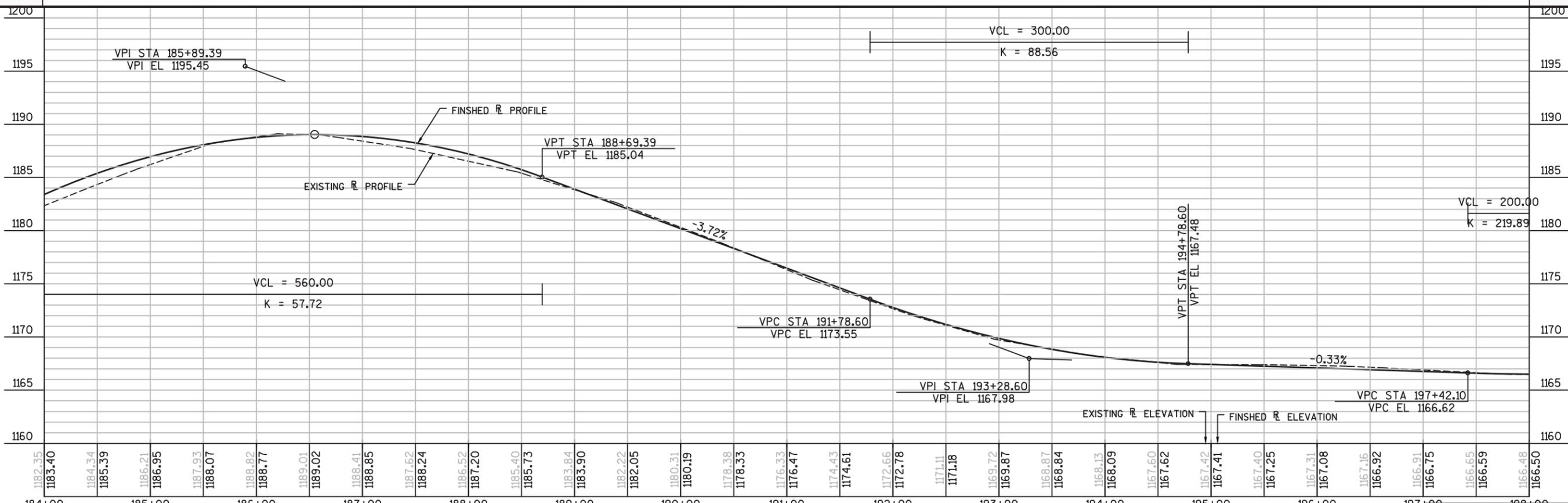
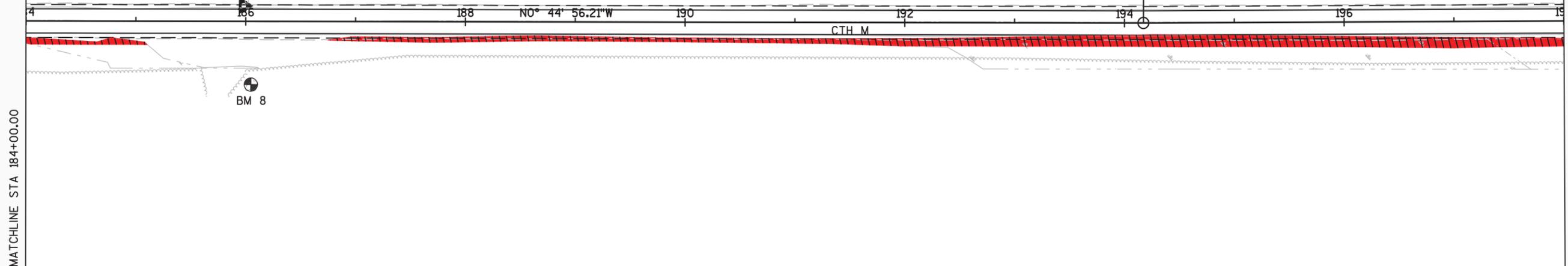


PROJECT NO: WASCO 122435 HWY: CTH M COUNTY: WASHBURN PLAN AND PROFILE

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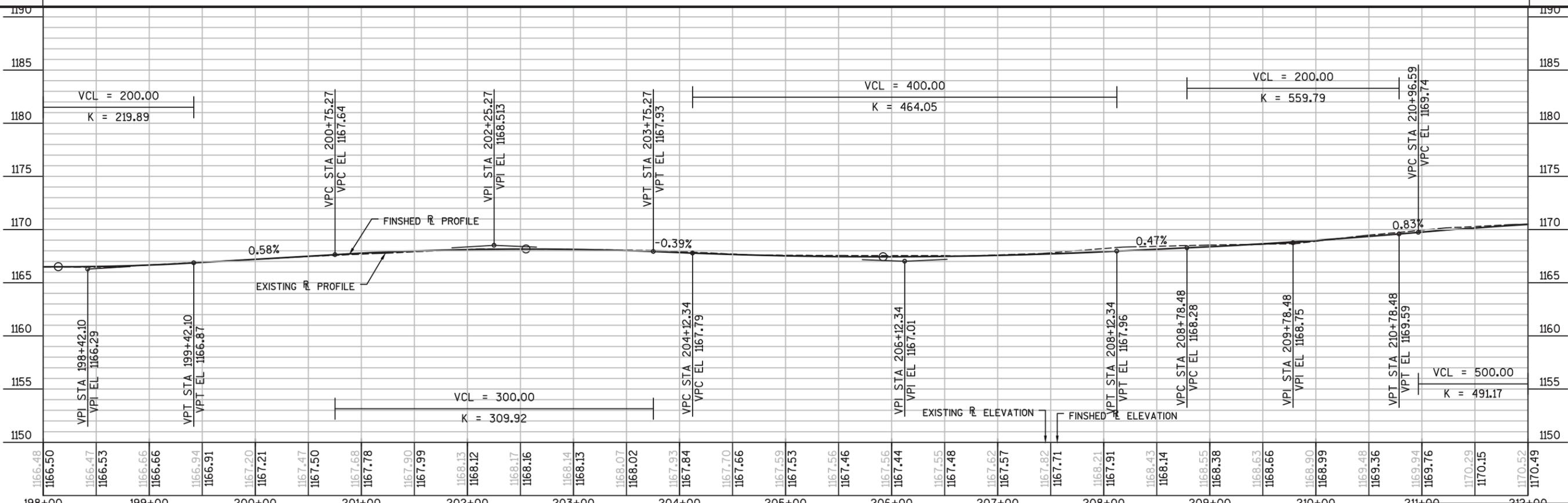
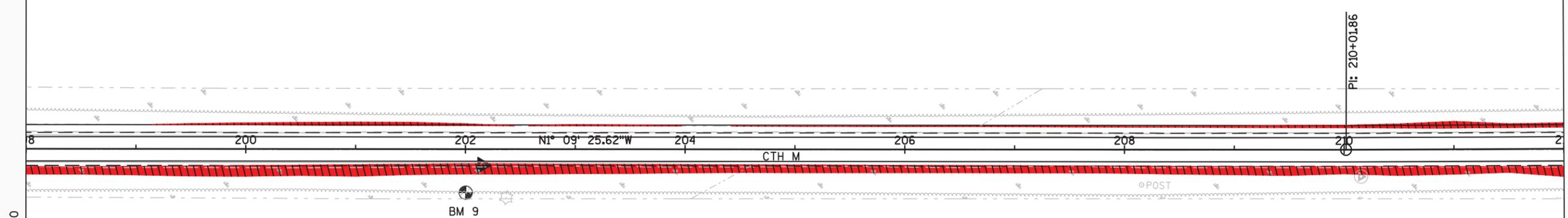






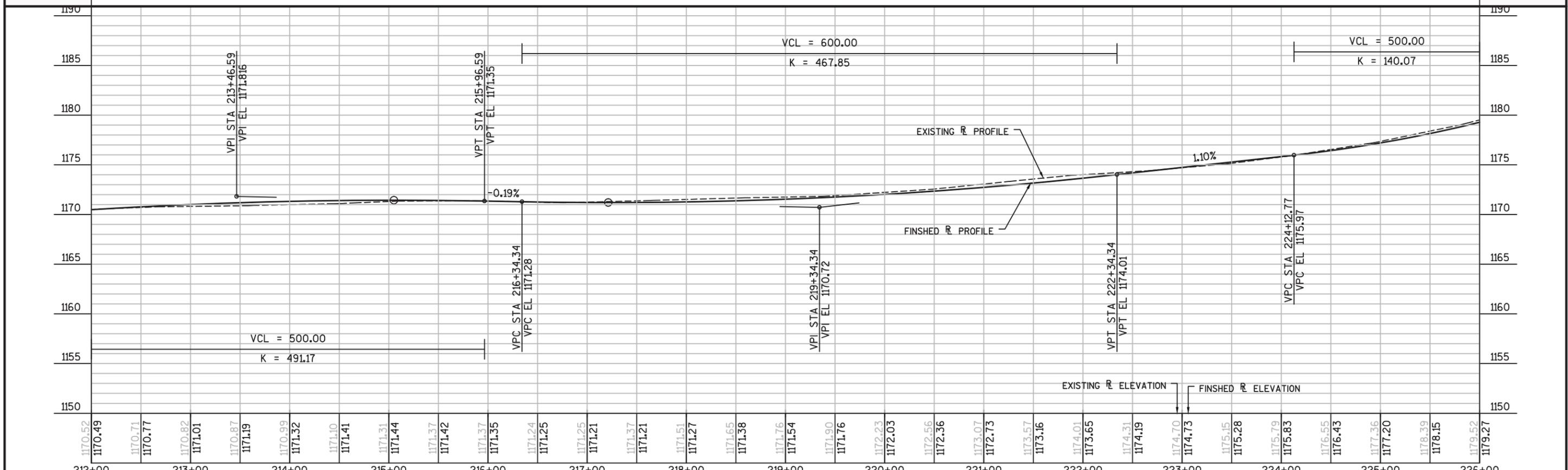
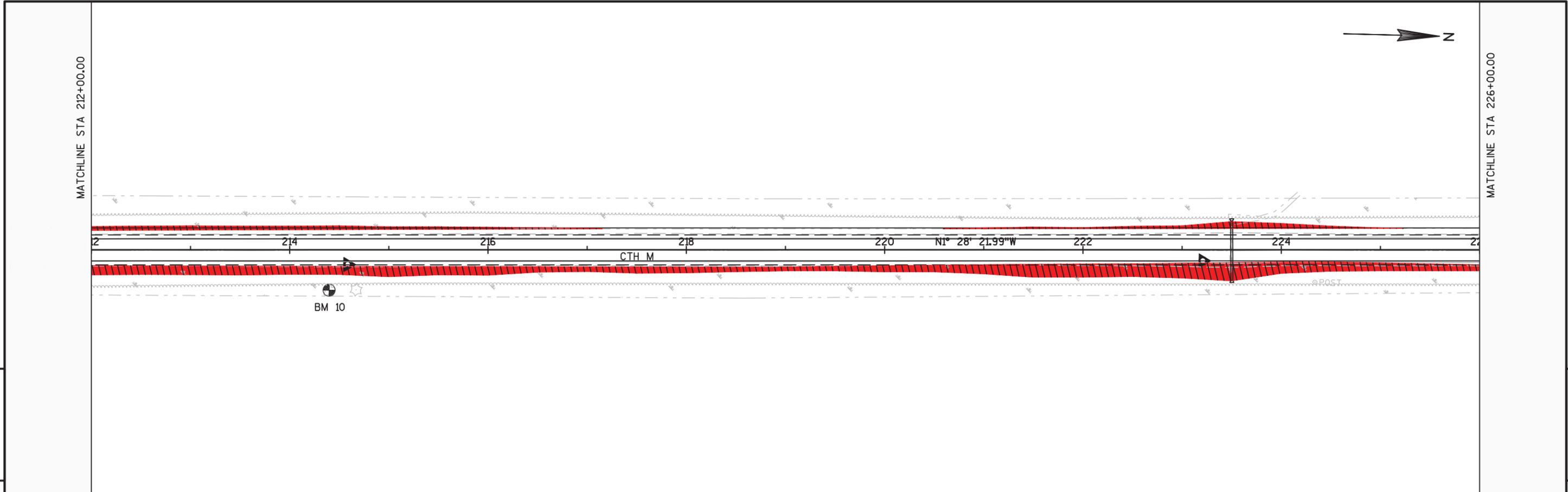
PROJECT NO: WASCO 122435 HWY: CTH M COUNTY: WASHBURN PLAN AND PROFILE

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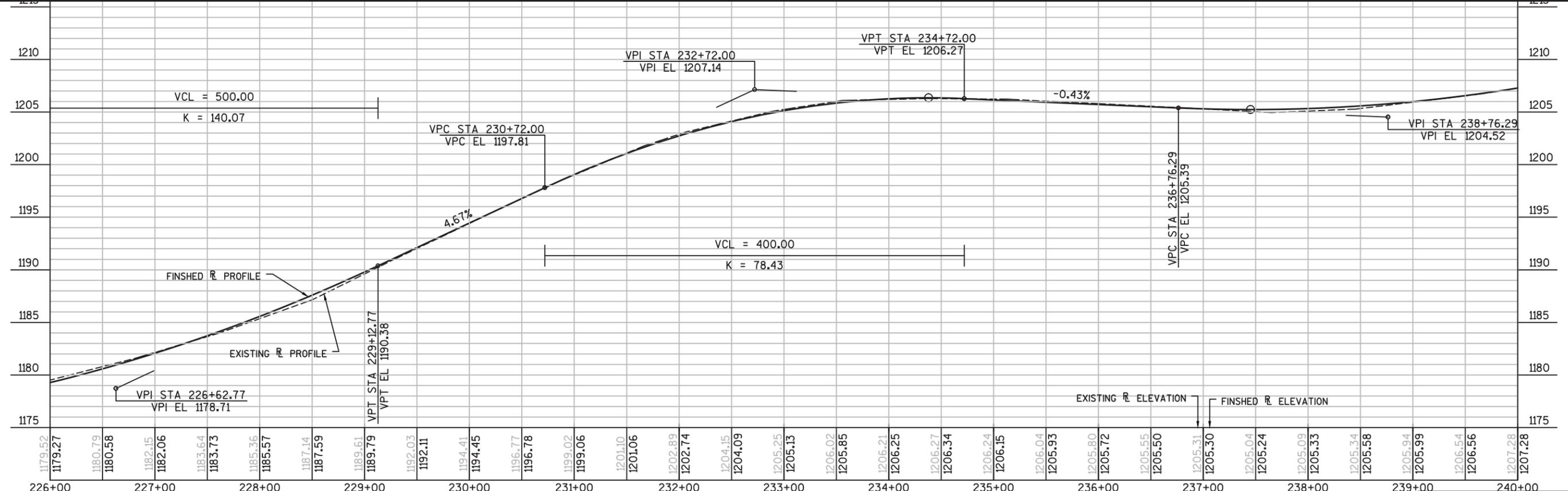
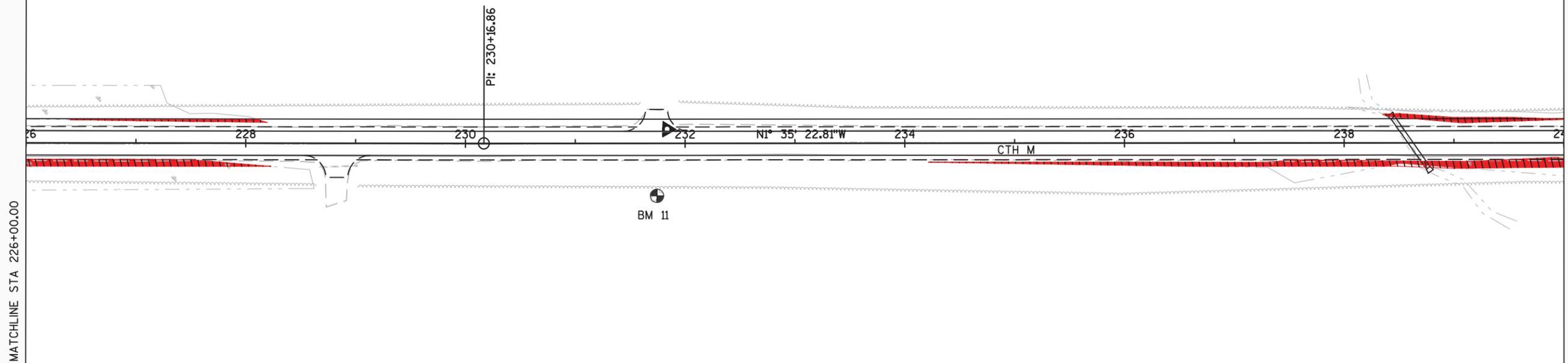


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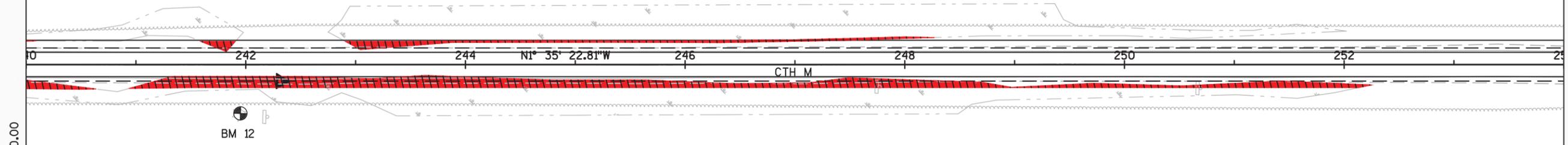


PROJECT NO: WASCO 122435 HWY: CTH M COUNTY: WASHBURN PLAN AND PROFILE 2015-00072-WMS





MATCHLINE STA 254+00.00

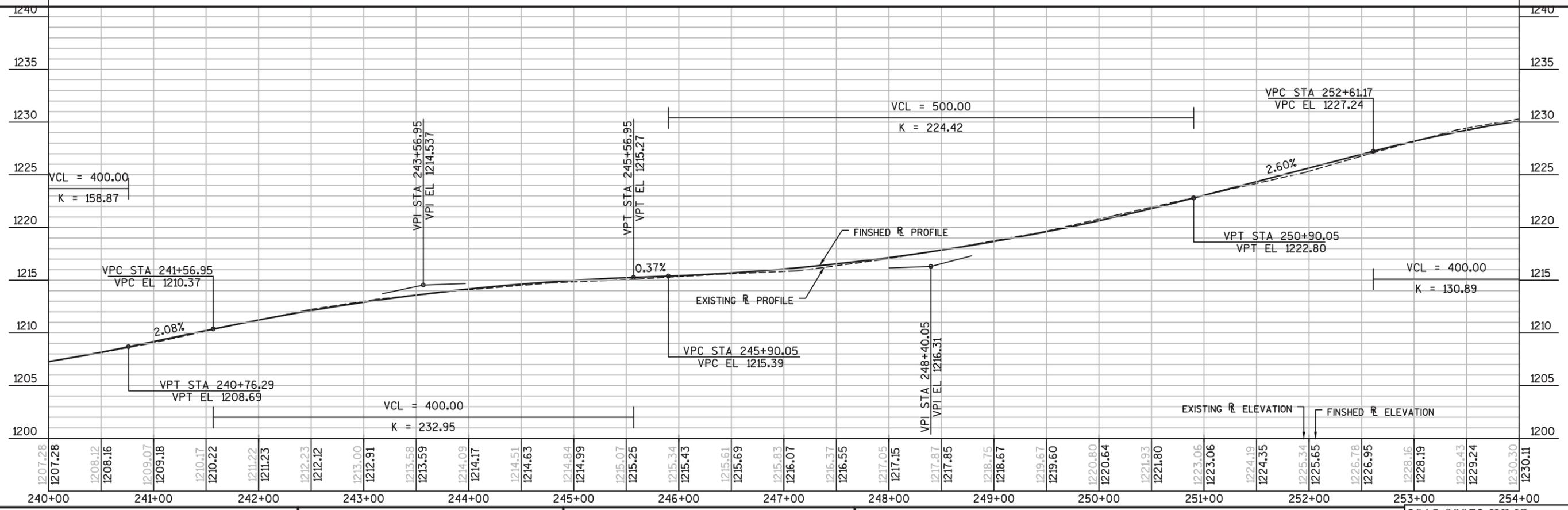


BM 12

MATCHLINE STA 240+00.00

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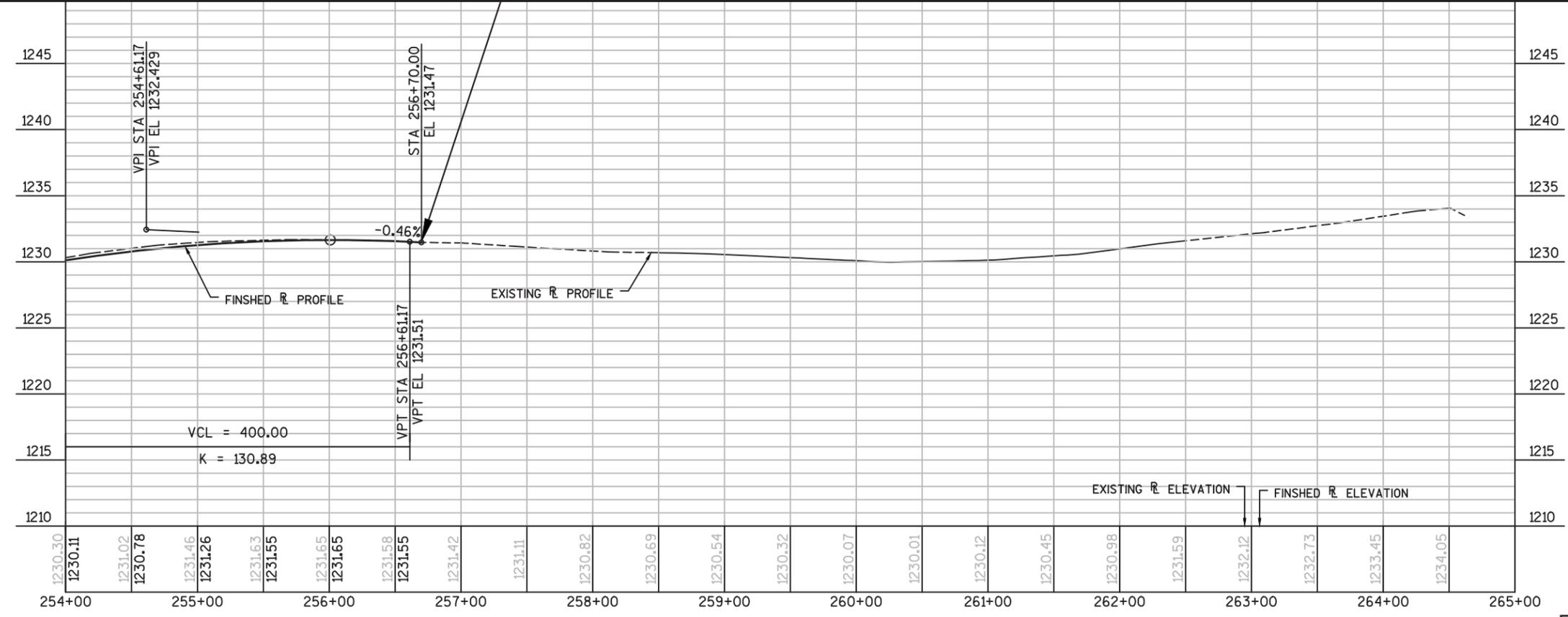
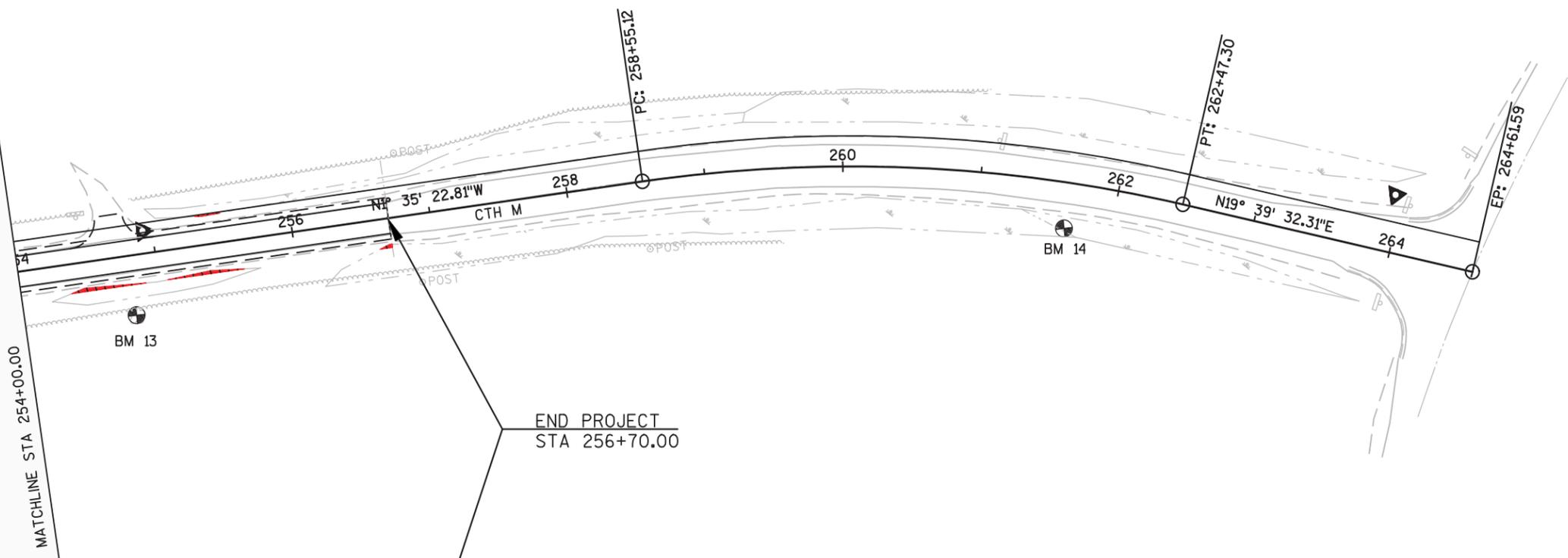
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PROJECT NO: WASCO 122435 HWY: CTH M COUNTY: WASHBURN PLAN AND PROFILE 2015-00072-WMS

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LAYOUT NAME - WETLAND IMPACTS - 050111-WETLAND



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