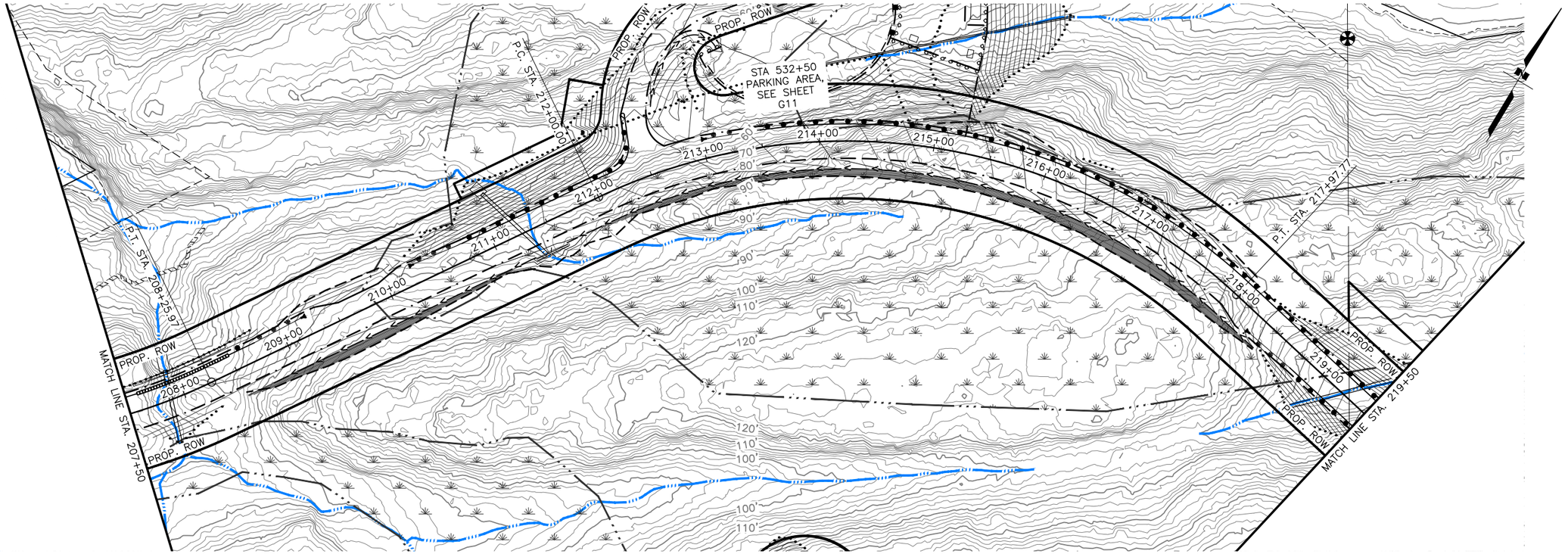
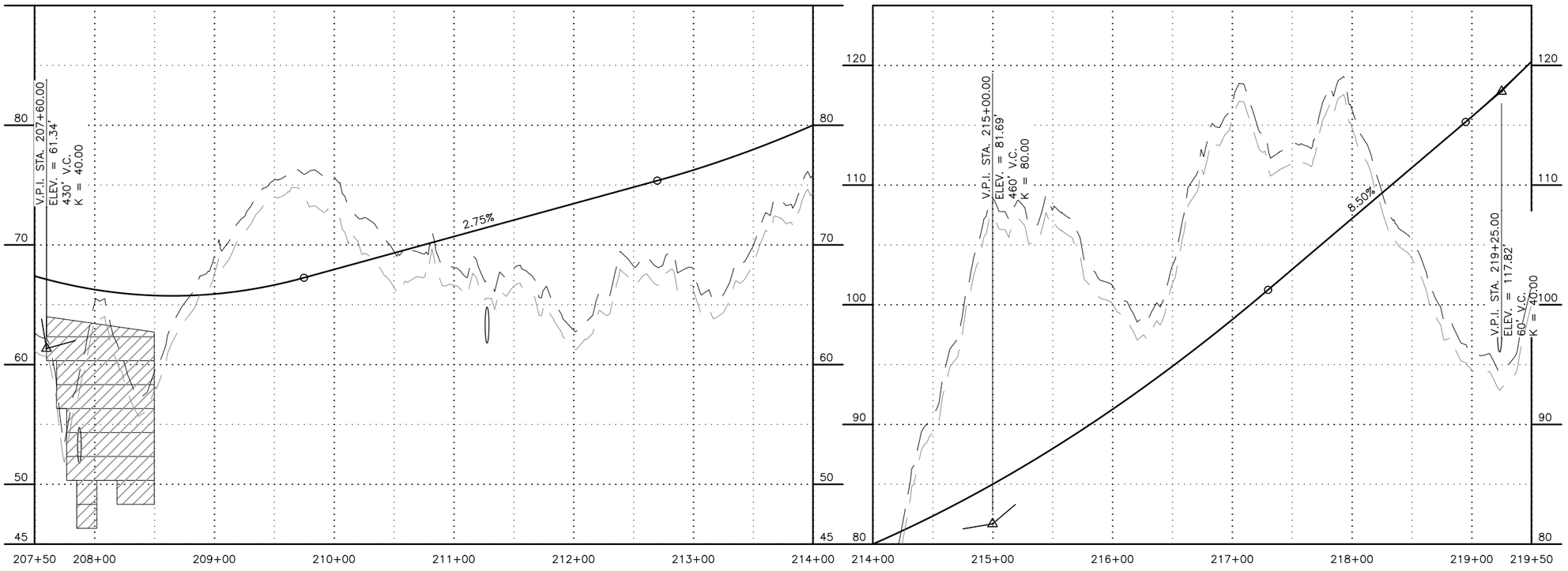
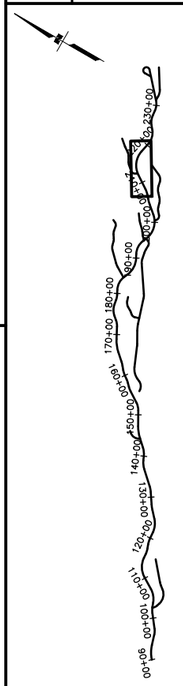
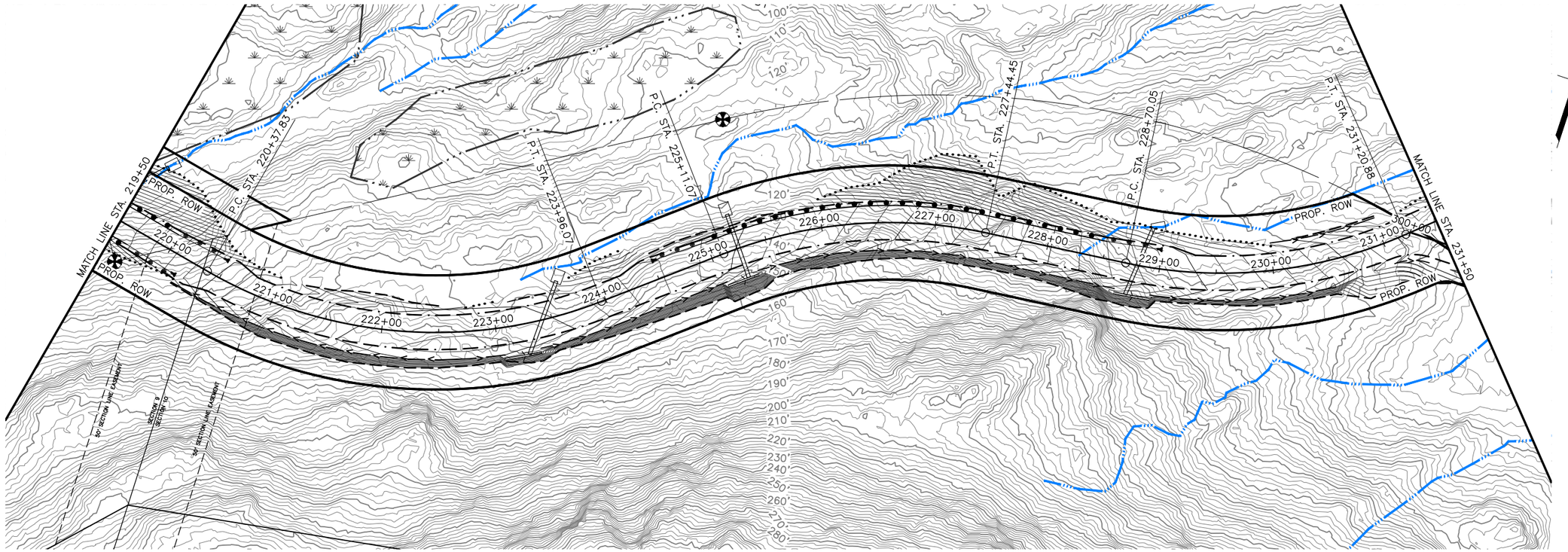
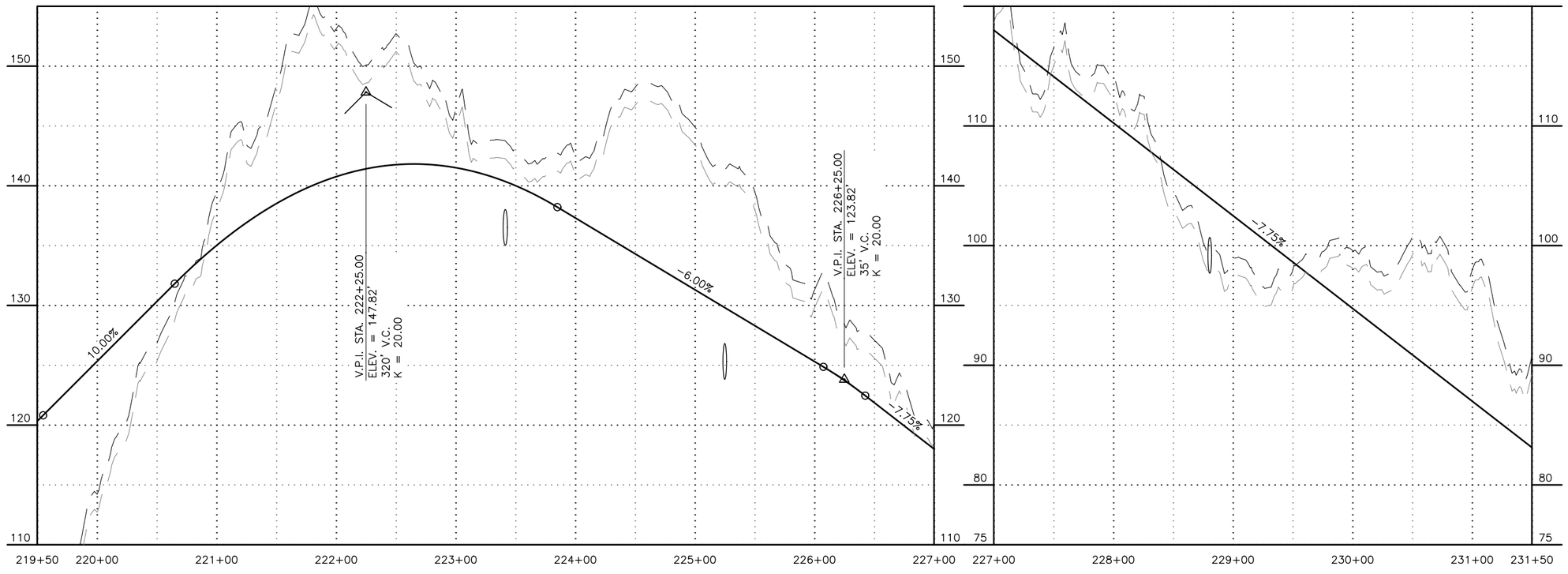
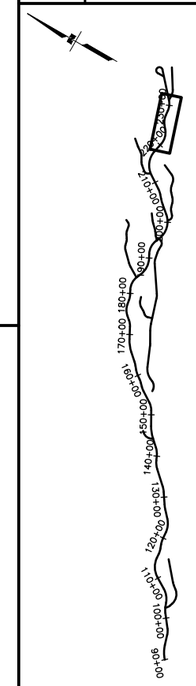

PROP. ROW
P.C. STA. 212+00.00
STA 532+50
PARKING AREA,
SEE SHEET
G11
214+00
215+00
213+00
212+00
211+00
210+00
209+00
208+00
216+00
217+00
218+00
219+00
P.T. STA. 208+25.97
P.T. STA. 217+97.71
MATCH LINE STA. 207+50
MATCH LINE STA. 219+50
60'
70'
80'
90'
100'
110'
120'


V.P.I. STA. 207+60.00
ELEV. = 61.34'
430' V.C.
K = 40.00
2.75%
V.P.I. STA. 215+00.00
ELEV. = 81.69'
460' V.C.
K = 80.00
8.50%
V.P.I. STA. 219+25.00
ELEV. = 117.82'
60' V.C.
K = 40.00
80
70
60
50
45
120
110
100
90
207+50
208+00
209+00
210+00
211+00
212+00
213+00
214+00
215+00
216+00
217+00
218+00
219+00
219+50


00+00
00+50
00+100
00+150
00+200
00+250
00+300
00+350
00+400
00+450
00+500
00+550
00+600
00+650
00+700
00+750
00+800
00+850
00+900
00+950
00+1000
00+1050
00+1100
00+1150
00+1200
00+1250
00+1300
00+1350
00+1400
00+1450
00+1500
00+1550
00+1600
00+1650
00+1700
00+1750
00+1800
00+1850
00+1900
00+1950
00+2000







STATE OF ALASKA
49TH
Colin M. Singleton
CE-124820
REGISTERED PROFESSIONAL ENGINEER

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

SHEET NO.	TOTAL SHEETS
F12	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION
MILE 2.0 TO 4.5

PLAN AND PROFILE

MAINLINE
STA 219+50 TO 231+50

DESIGNED BY --
CHECKED BY --
DRAFTED BY --

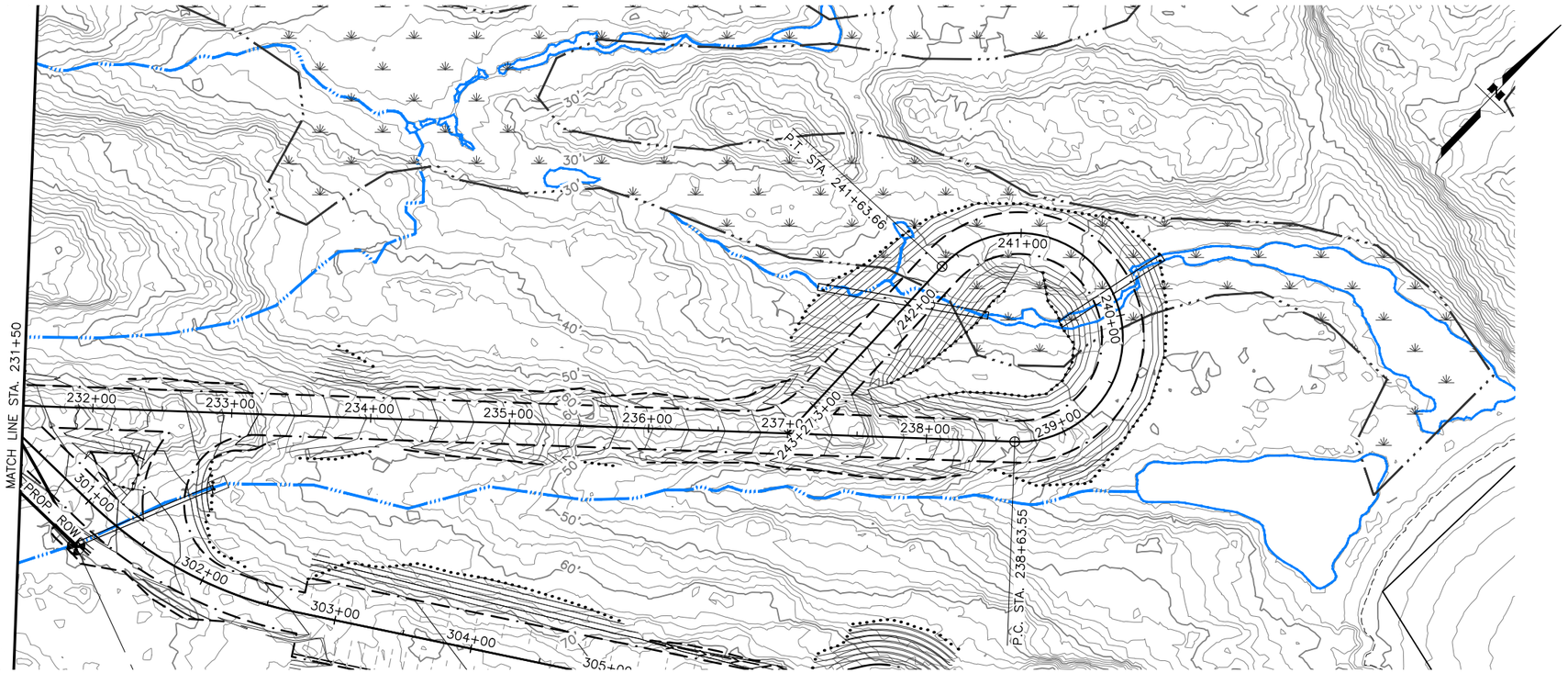
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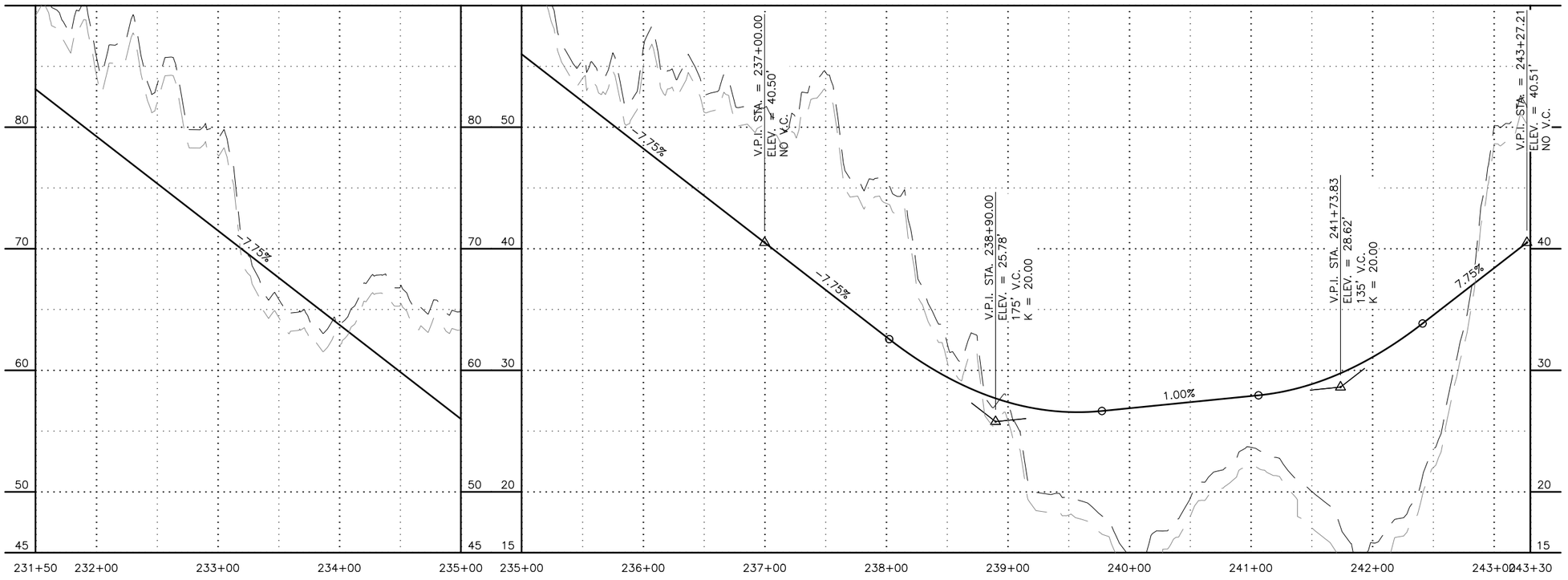
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DRAWING LOCATION
J:\JOBSDATA\20403.02 SHOTGUN COVE ROAD\00 CADD\01 WORKING SET\01 CIVIL\02 DESIGN\20403.02 PLAN AND PROFILE – MAINLINE.DWG

DATE 8/3/2022 TIME 1:11 PM | SCALE | DESIGNED BY -- | CHECKED BY -- | DRAFTED BY --



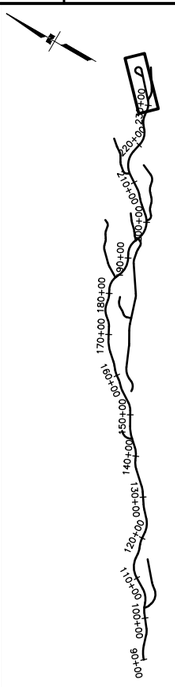


SHEET NO.	TOTAL SHEETS
F13	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



STATE OF ALASKA
49TH
Colin M. Singleton
CE-124820
REGISTERED PROFESSIONAL ENGINEER

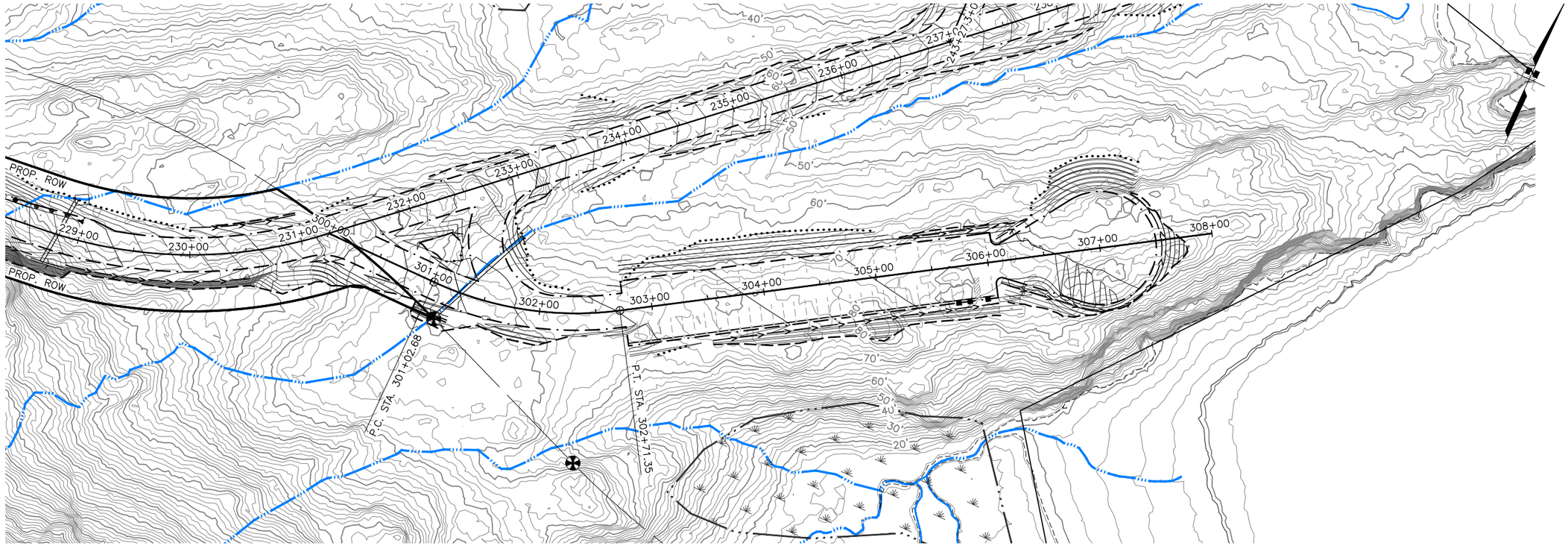
CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

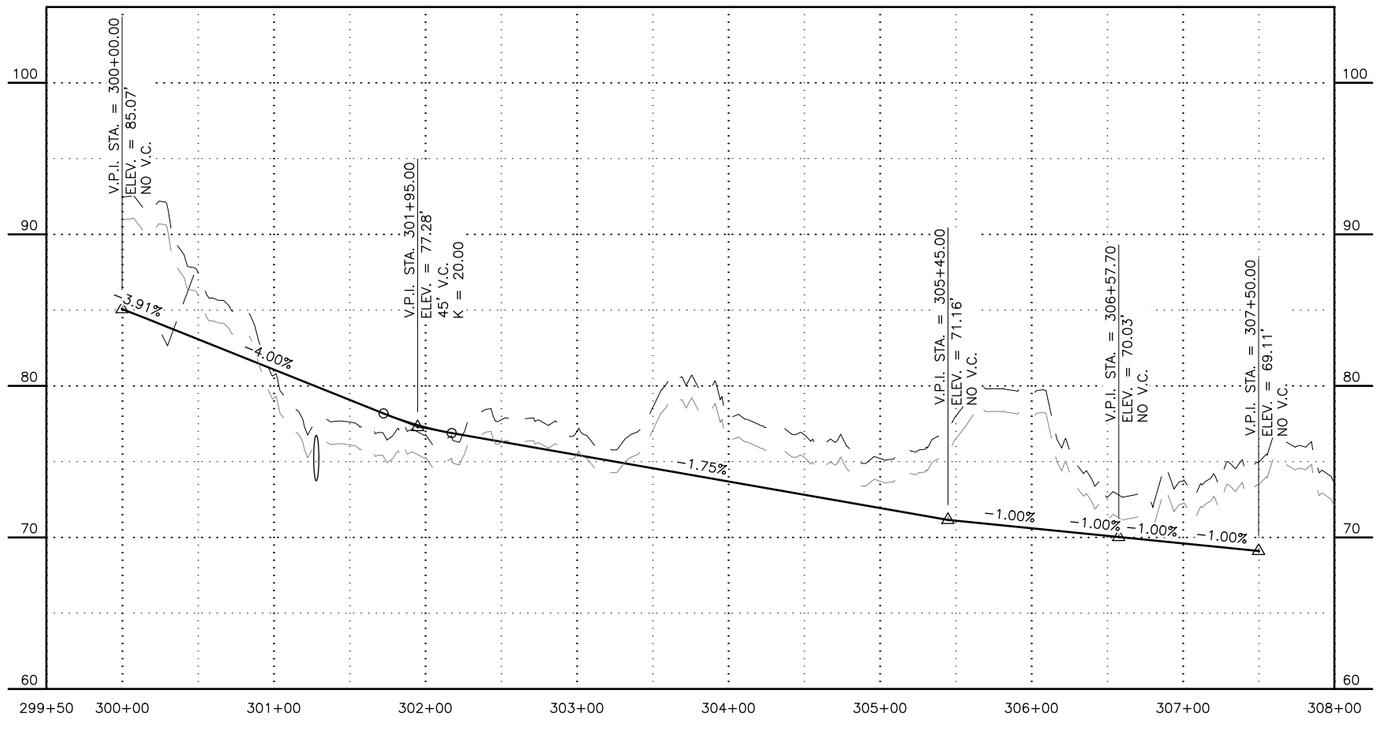
CITY OF WHITTIER

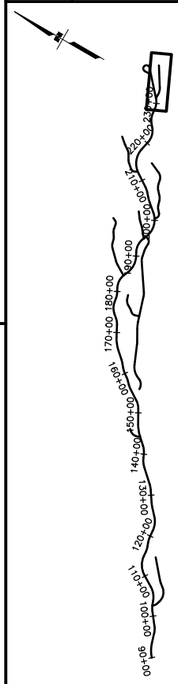
SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

PLAN AND PROFILE

MAINLINE STA 231+50 TO EOP







SHEET NO.	TOTAL SHEETS
F14	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
49TH
Colin M. Singleton
CE-124820
REGISTERED PROFESSIONAL ENGINEER

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION
MILE 2.0 TO 4.5

PLAN AND PROFILE

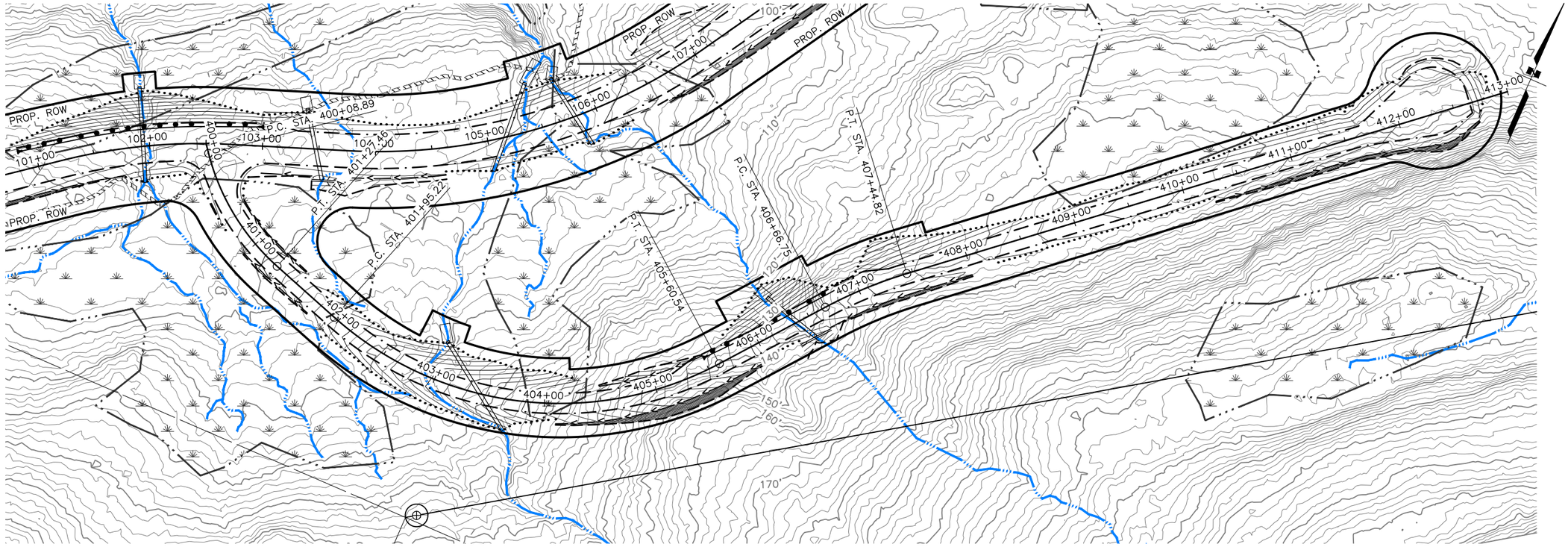
TRINITY POINT ADDITION
STA 300+00 TO 307+50

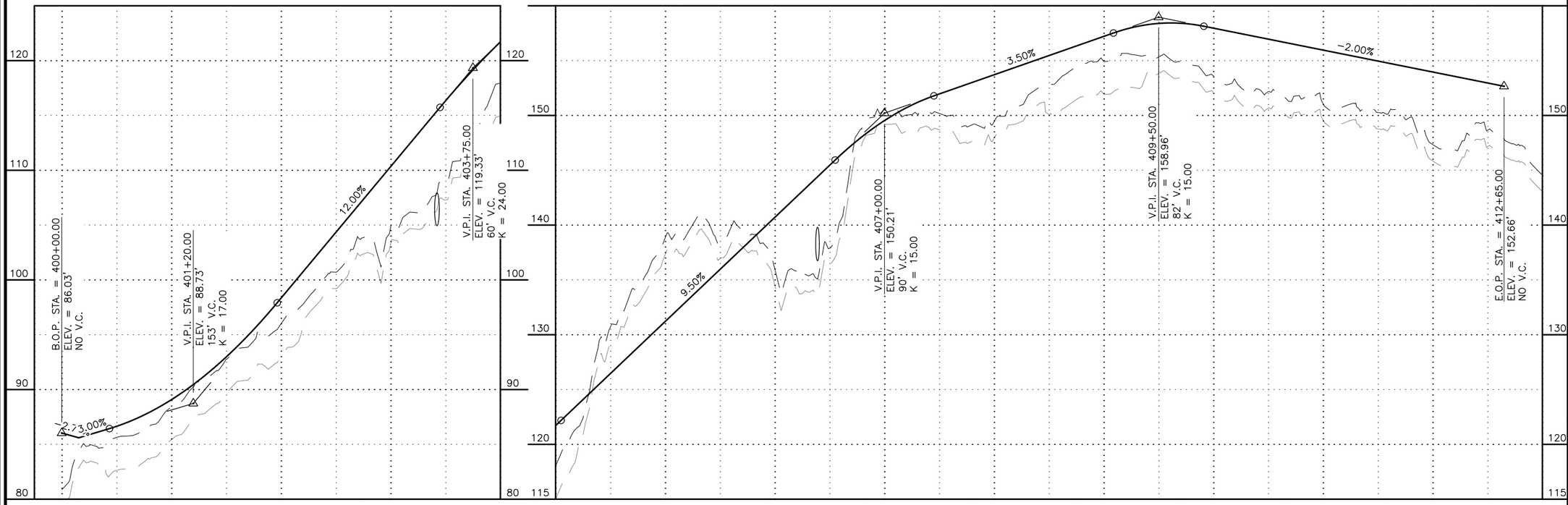
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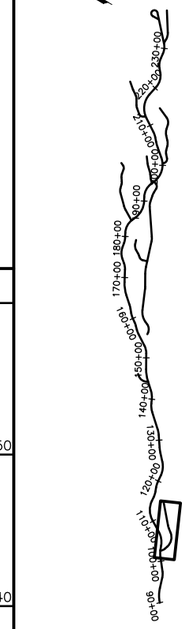
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SHEET NO.	TOTAL SHEETS
F15	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
49TH
Colin M. Singleton
CE-124820
REGISTERED PROFESSIONAL ENGINEER

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

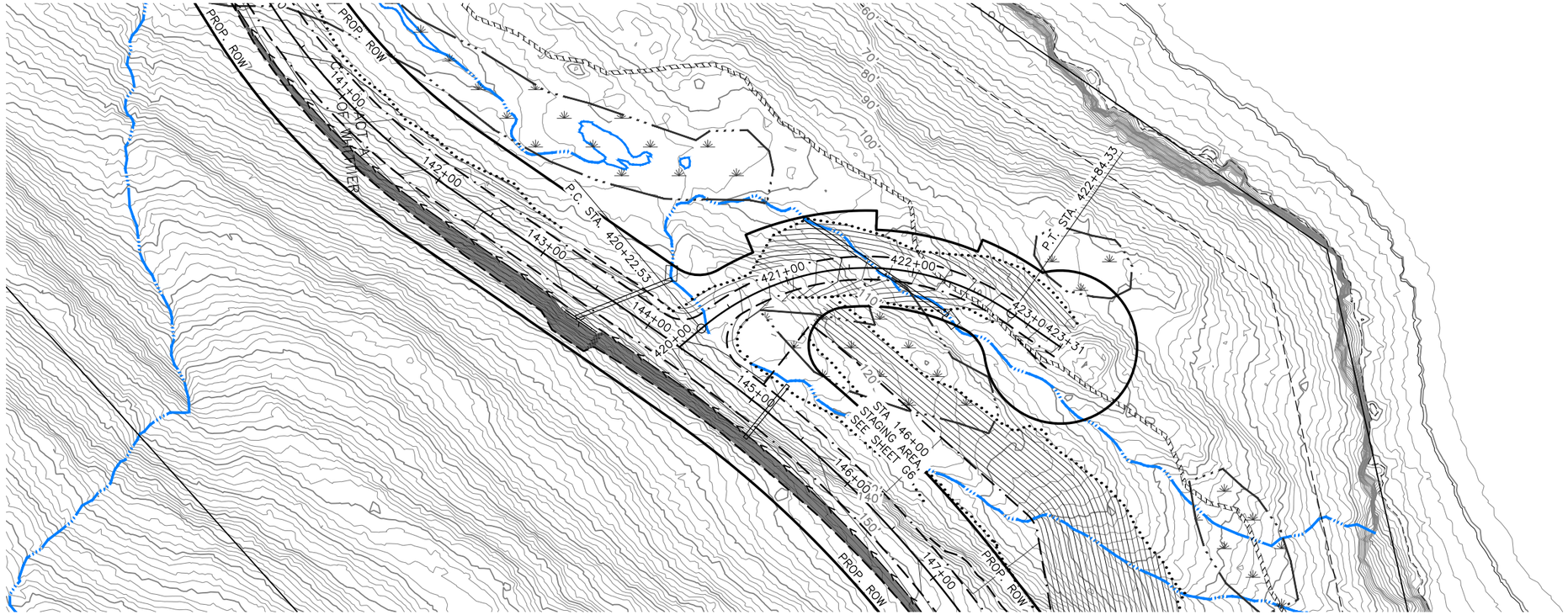
CITY OF WHITTIER

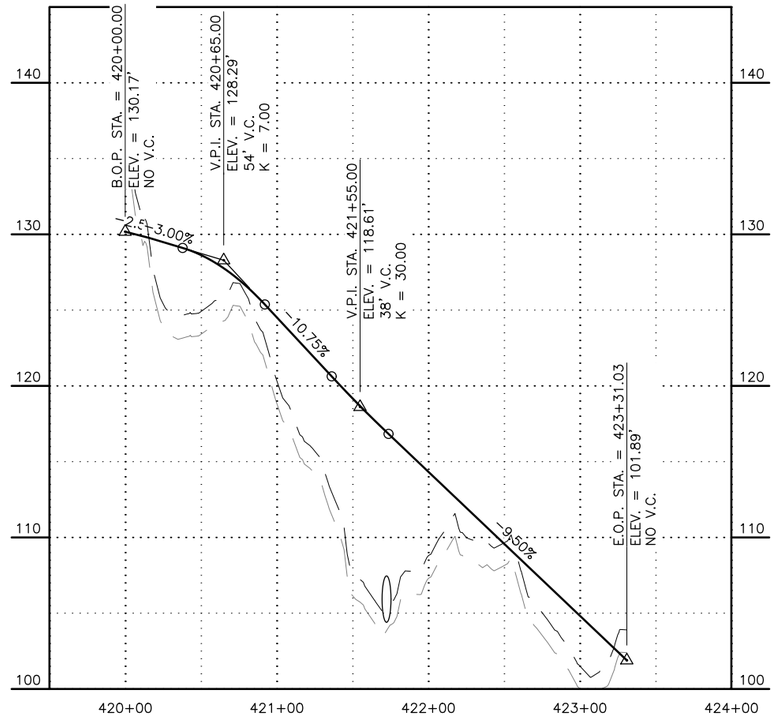
SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

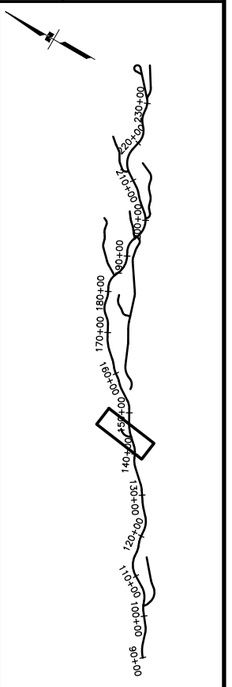
PLAN AND PROFILE

ACCESS ROAD STA 400+00 TO 412+65

DESIGNED BY --
CHECKED BY --
DRAFTED BY --
SCALE
DATE TIME 8/3/2022 1:43 PM
DRAWING LOCATION J:\JOBSDATA\20403.02 SHOTGUN COVE ROAD\00 CADD\01 WORKING SET\01 CIVIL\02 DESIGN\20403.02 PLAN AND PROFILE - ACCESS ROADS.DWG







SHEET NO.	TOTAL SHEETS
F16	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL ENGINEER
Colin M. Singleton
CE-124820

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

PLAN AND PROFILE

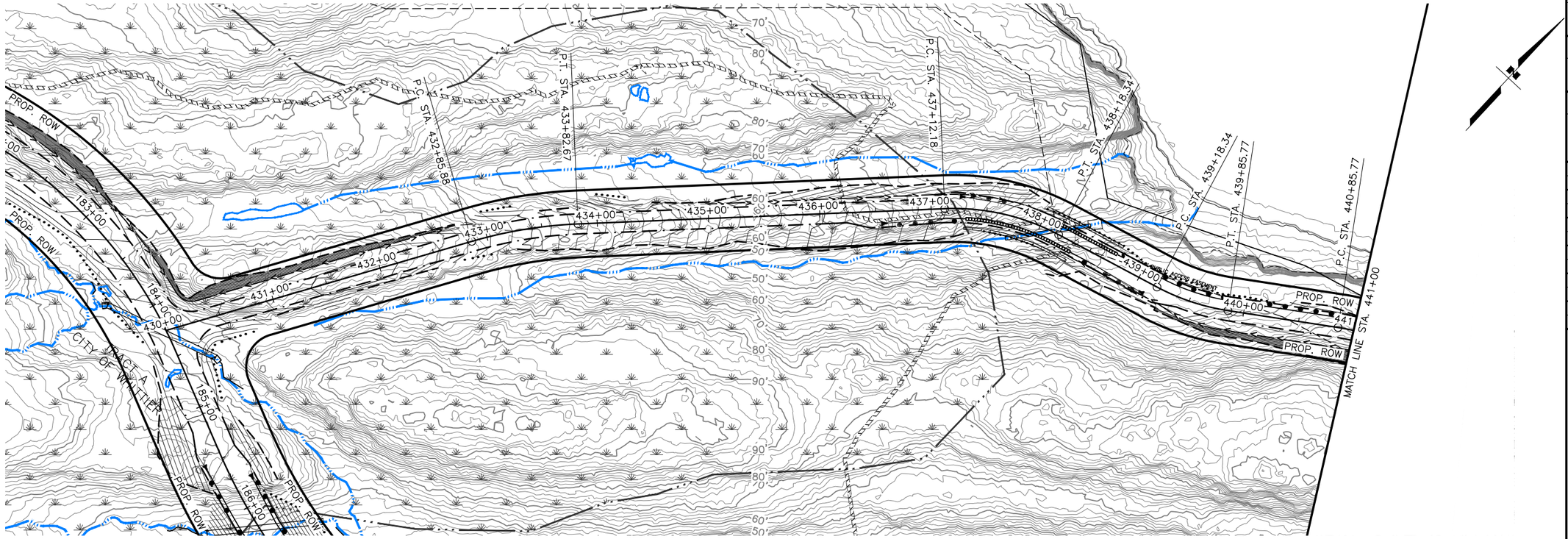
ACCESS ROAD STA 420+00 TO 423+31

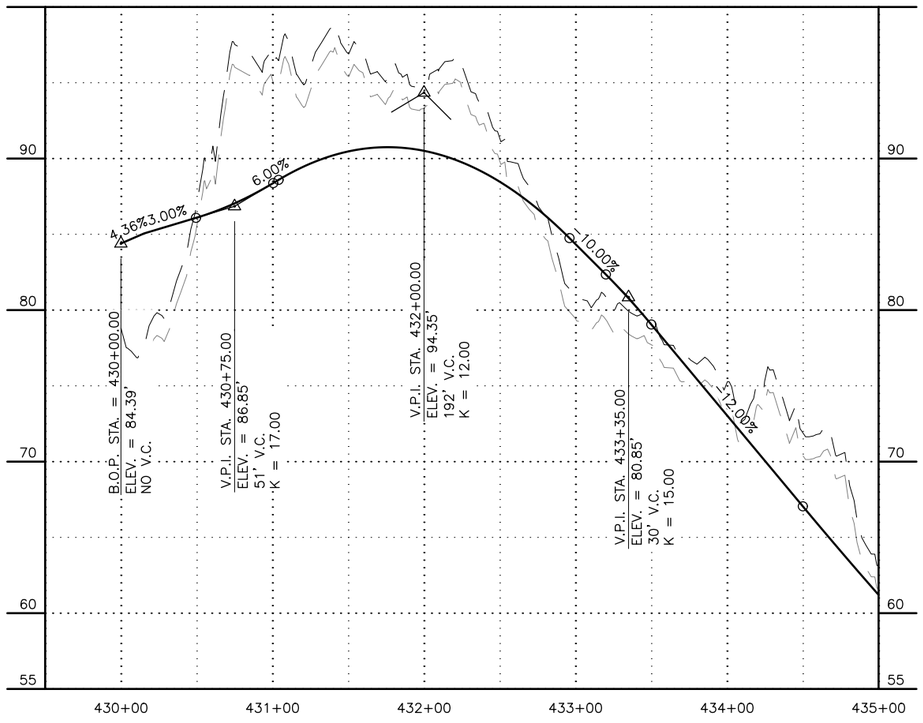
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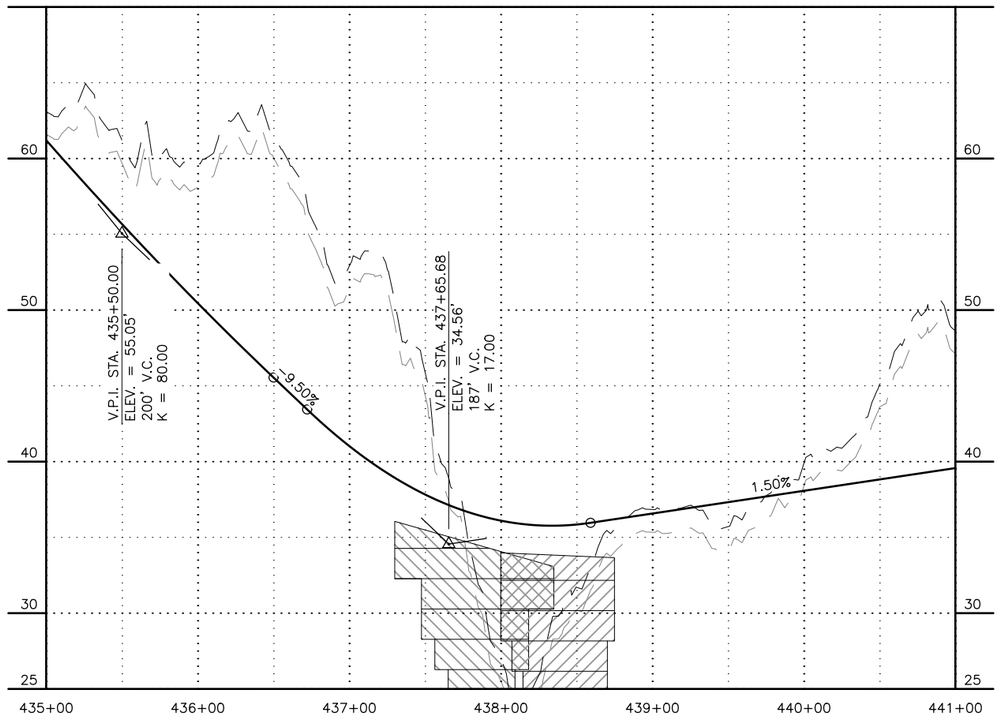
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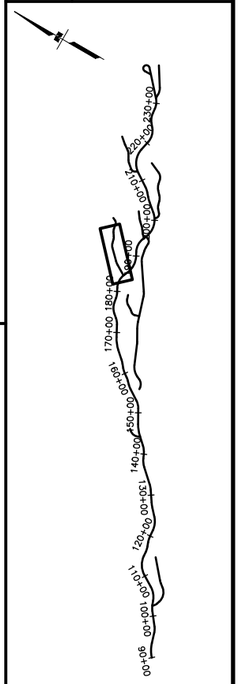
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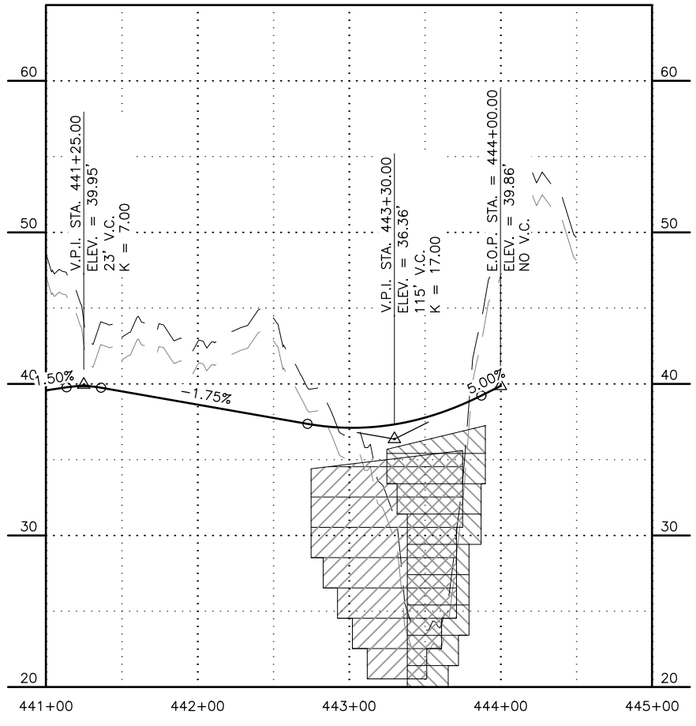

PROP. ROW
P.C. STA. 432+85.88
P.T. STA. 433+82.67
P.C. STA. 437+12.18
P.T. STA. 438+18.34
P.C. STA. 439+18.34
P.T. STA. 439+85.77
P.C. STA. 440+85.77
MATCH LINE STA. 441+00
183+00
184+00
185+00
186+00
430+00
431+00
432+00
433+00
434+00
435+00
436+00
437+00
438+00
439+00
440+00
441+00
CITY OF WHITTIER
TRACT A
ACCESS EASEMENT

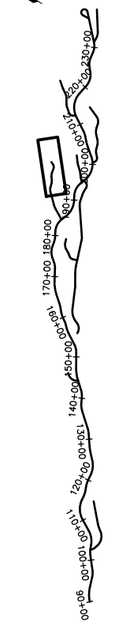

B.O.P. STA. = 430+00.00
ELEV. = 84.39'
NO V.C.
4.36%
3.00%
V.P.I. STA. 430+75.00
ELEV. = 86.85'
51' V.C.
K = 17.00
6.00%
V.P.I. STA. 432+00.00
ELEV. = 94.35'
192' V.C.
K = 12.00
-10.00%
V.P.I. STA. 433+35.00
ELEV. = 80.85'
30' V.C.
K = 15.00
-12.00%
90
80
70
60
55
430+00
431+00
432+00
433+00
434+00
435+00


V.P.I. STA. 435+50.00
ELEV. = 55.05'
200' V.C.
K = 80.00
-9.50%
V.P.I. STA. 437+65.68
ELEV. = 34.56'
187' V.C.
K = 17.00
1.50%
60
50
40
30
25
435+00
436+00
437+00
438+00
439+00
440+00
441+00


430+00
140+00
150+00
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170+00
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510+00
520+00
530+00







SHEET NO.	TOTAL SHEETS
F18	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL ENGINEER
Colin M. Singleton
CE-124820

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

PLAN AND PROFILE

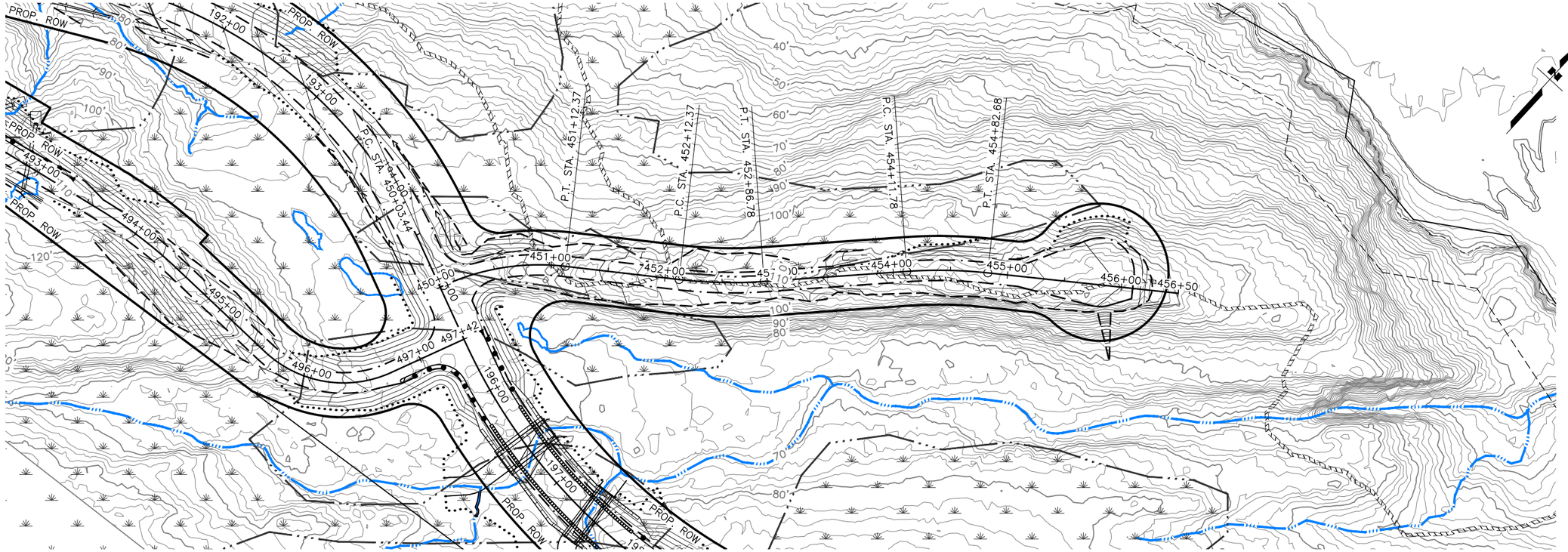
ACCESS ROAD STA 441+00 TO 444+00

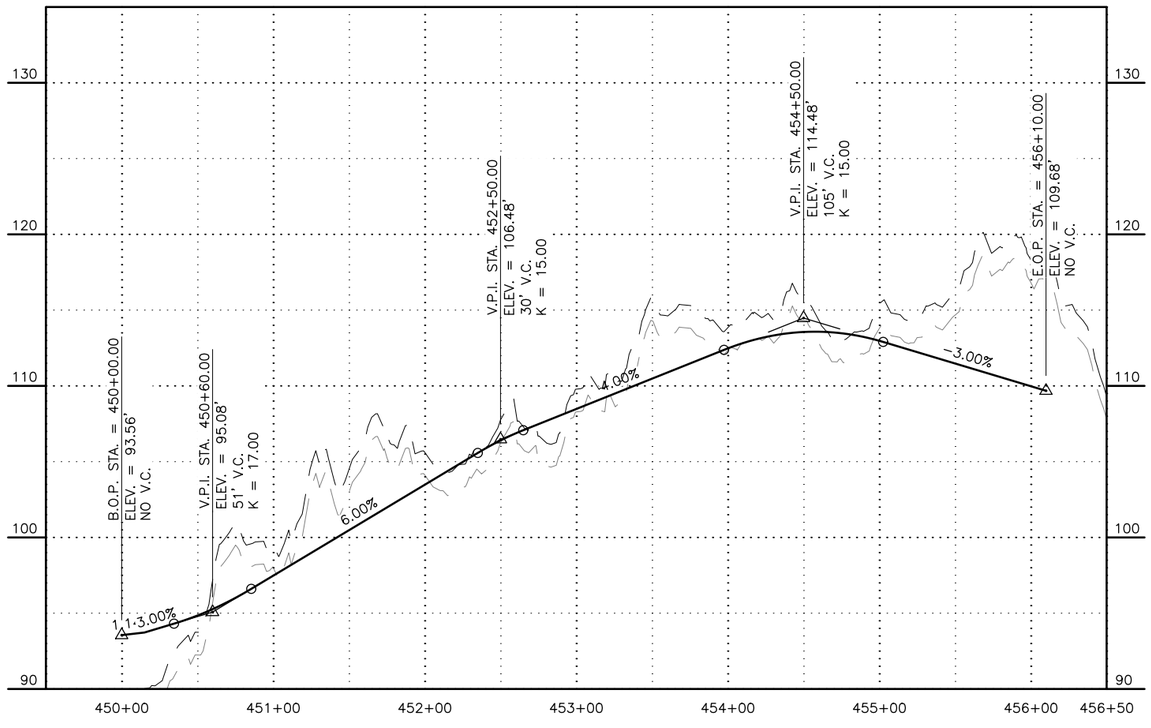
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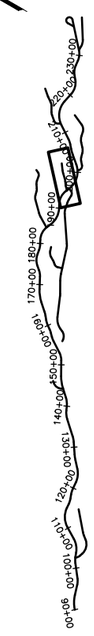
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8/3/2022 1:44 PM

DRAWING LOCATION
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SHEET NO.	TOTAL SHEETS
F19	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL ENGINEER
Colin M. Singleton
CE-124820

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

CITY OF WHITTIER

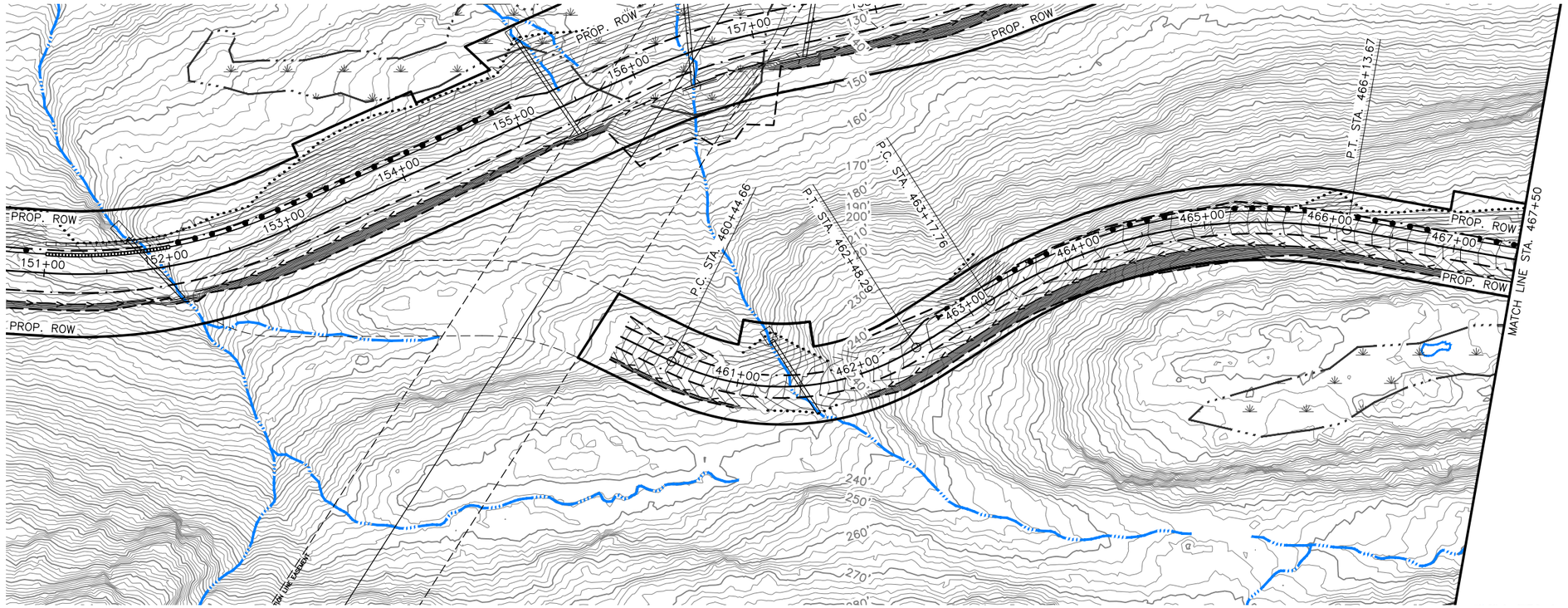
SHOTGUN COVE ROAD EXTENSION
MILE 2.0 TO 4.5

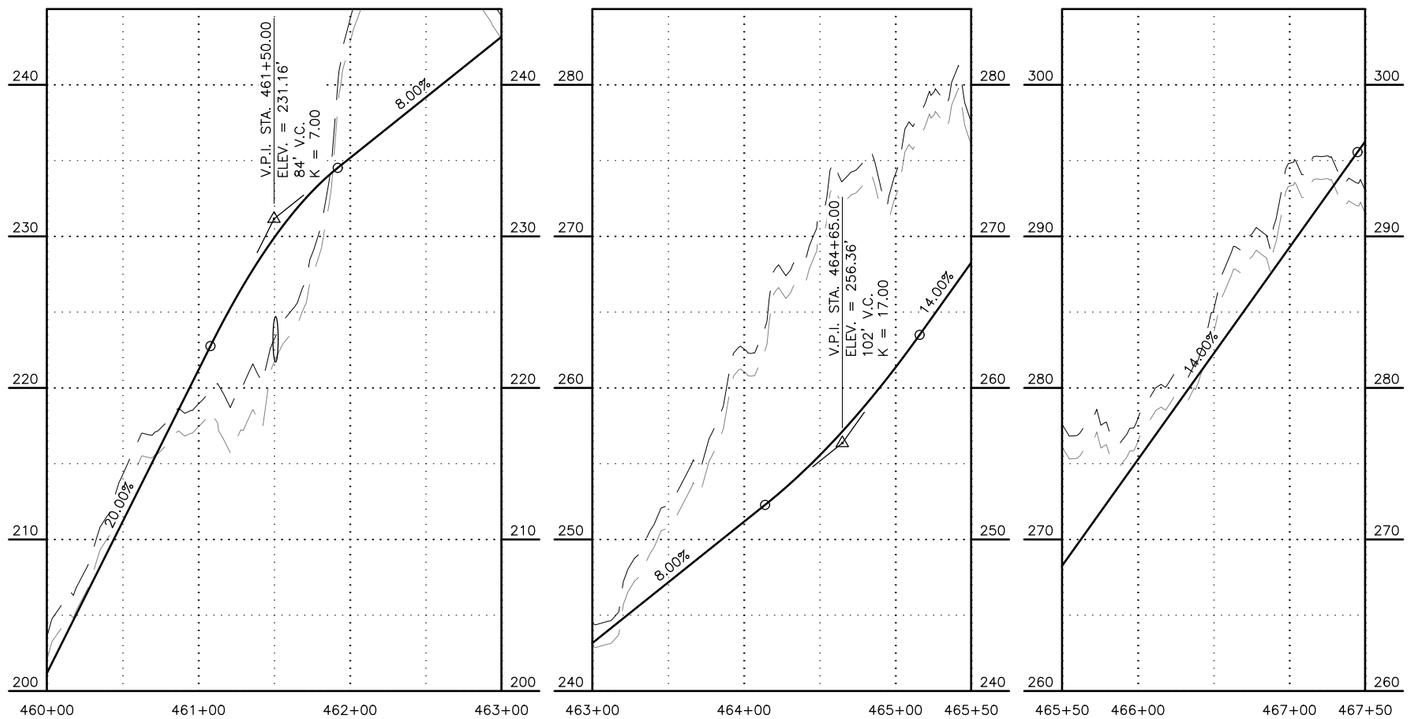
PLAN AND PROFILE

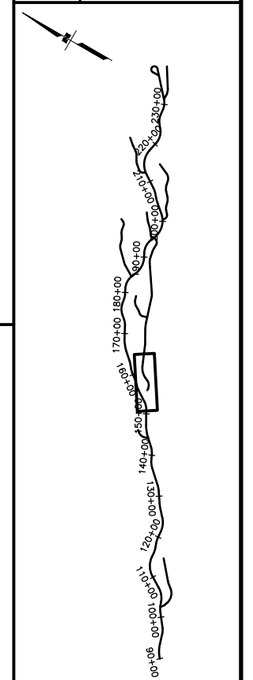
ACCESS ROAD
STA 450+00 TO 456+10

DESIGNED BY --
CHECKED BY --
DRAFTED BY --
SCALE
DATE TIME
8/3/2022 1:44 PM

DRAWING LOCATION
J:\JOBSDATA\20403.02 SHOTGUN COVE ROAD\00 CADD\01 WORKING SET\01 CIVIL\02 DESIGN\20403.02 PLAN AND PROFILE - ACCESS ROADS.DWG







SHEET NO.	TOTAL SHEETS
F20	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
49TH
Colin M. Singleton
CE-124820
REGISTERED PROFESSIONAL ENGINEER

CRW ENGINEERING GROUP, LLC
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CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION
MILE 2.0 TO 4.5

PLAN AND PROFILE

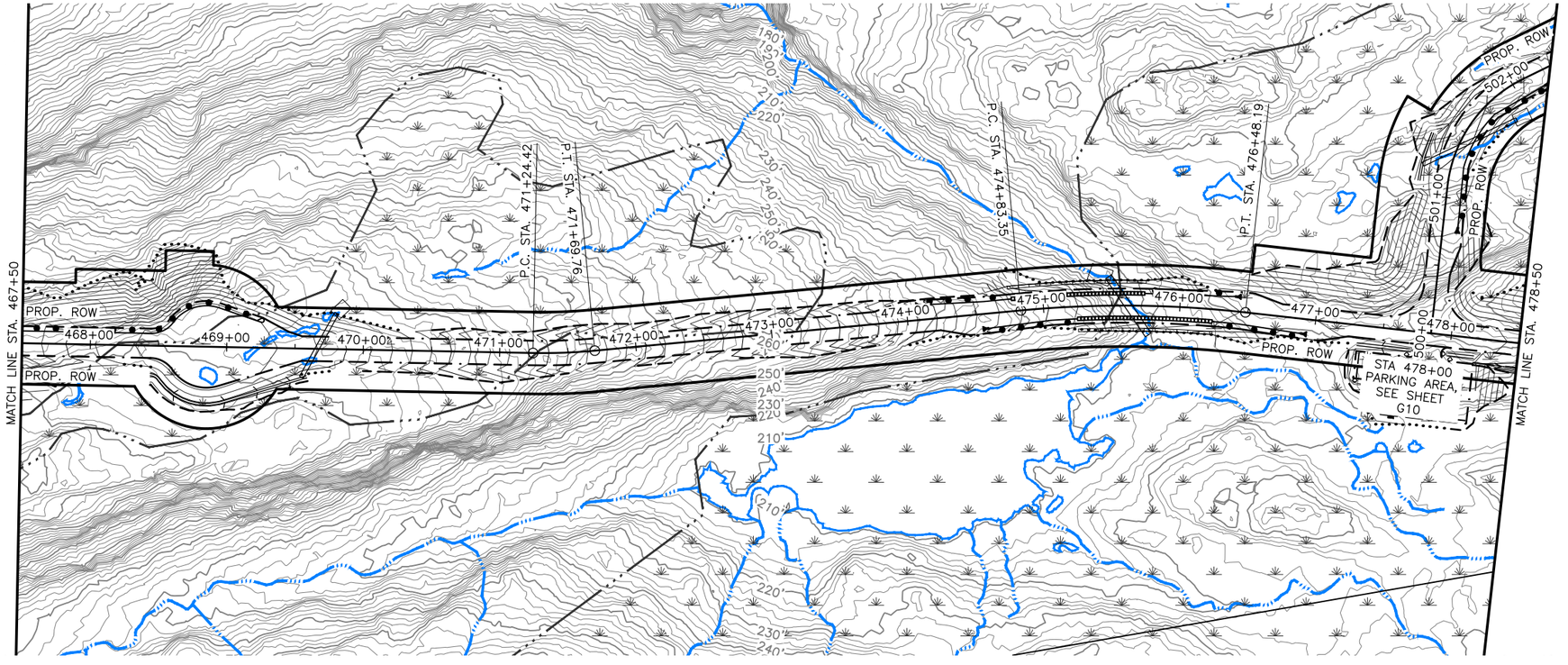
ACCESS ROAD
STA 460+00 TO 467+50

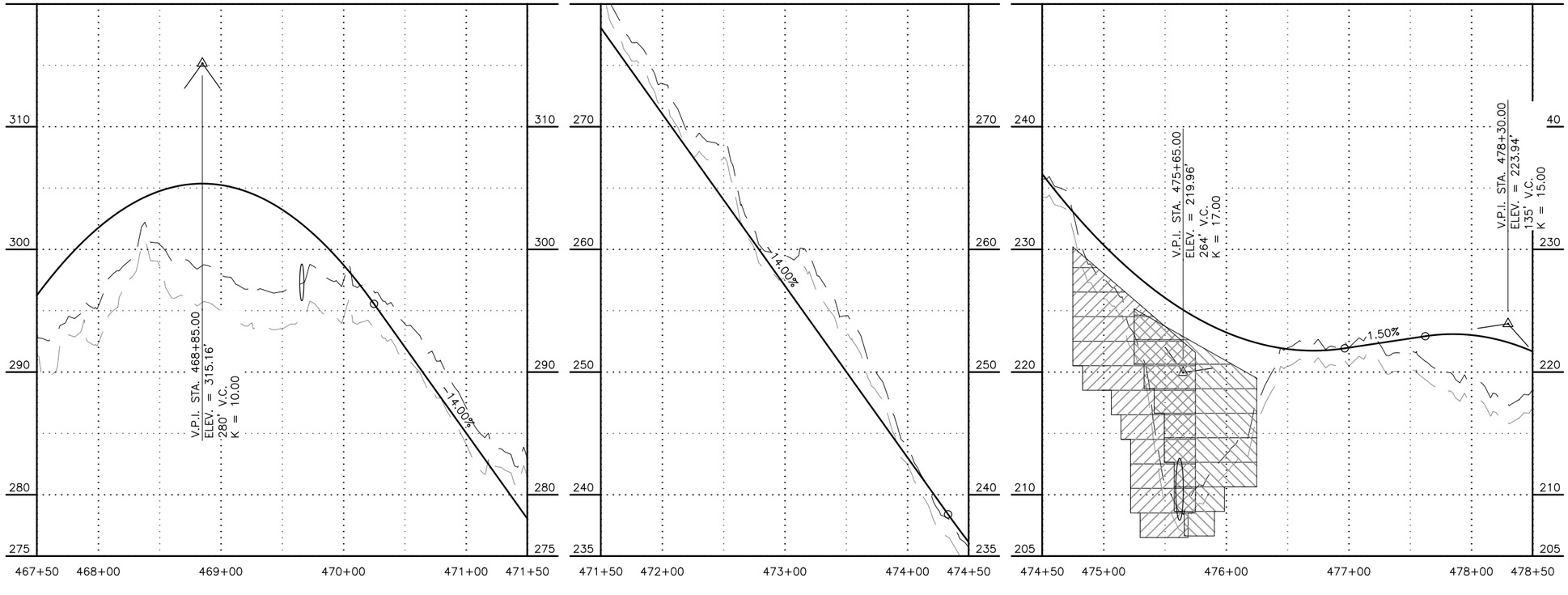
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CHECKED BY --
DRAFTED BY --

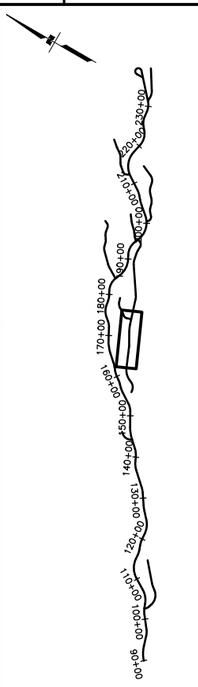
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SHEET NO.	TOTAL SHEETS
F21	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

STATE OF ALASKA
49TH
Colin M. Singleton
CE-124820
REGISTERED PROFESSIONAL ENGINEER

CRW ENGINEERING GROUP, LLC
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

CITY OF WHITTIER

SHOTGUN COVE ROAD
EXTENSION
MILE 2.0 TO 4.5

PLAN AND PROFILE

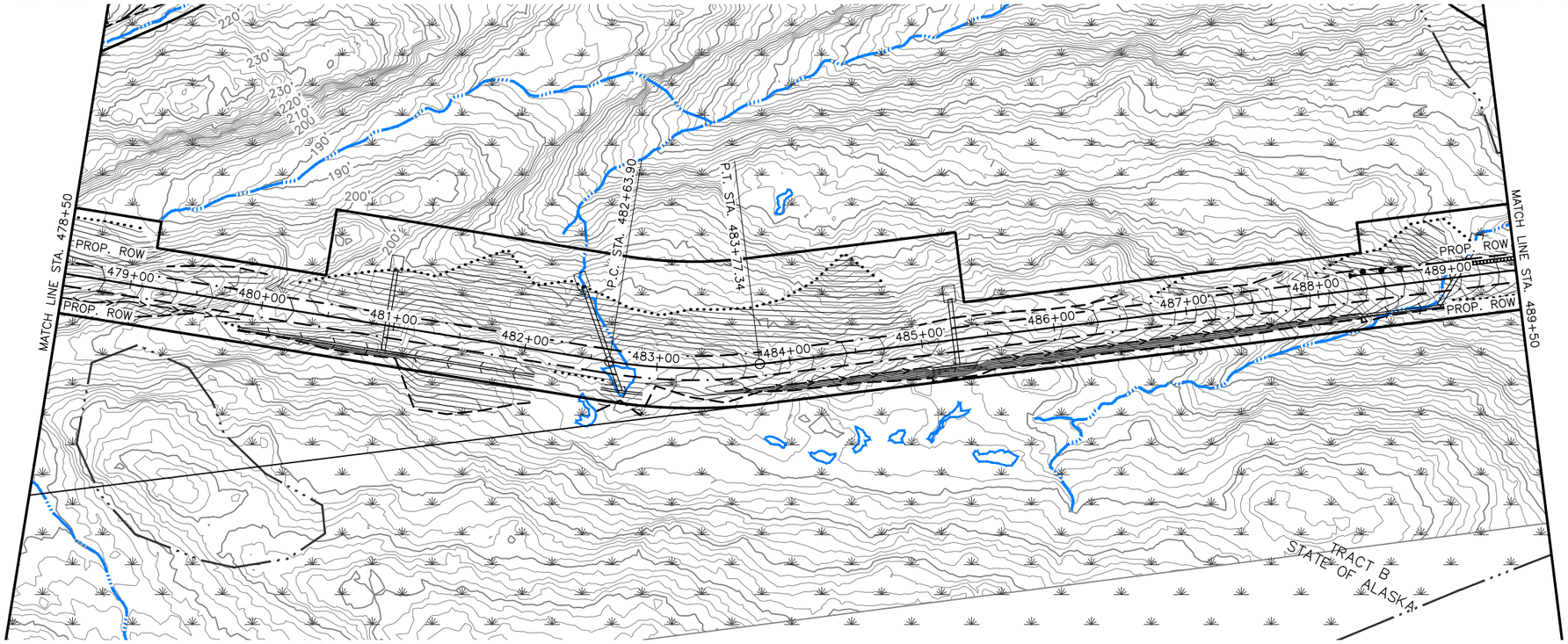
ACCESS ROAD
STA 467+50 TO 478+50

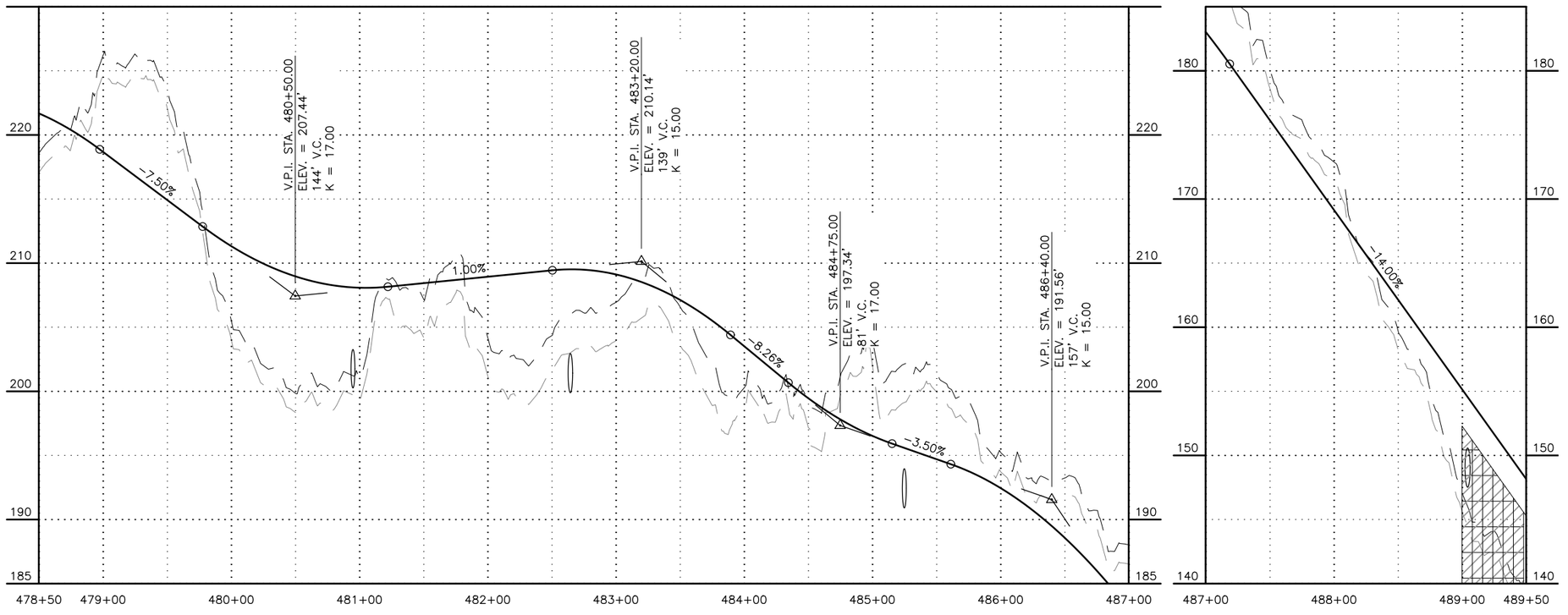
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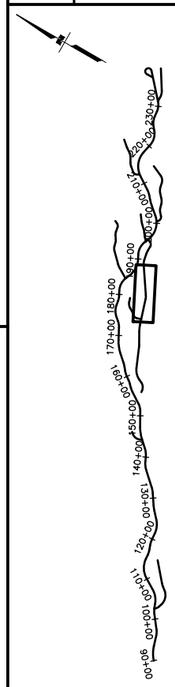
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SHEET NO.	TOTAL SHEETS
F22	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

XXXX(XXX)/
XXXXXXXXXX

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DATE	
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CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

PLAN AND PROFILE

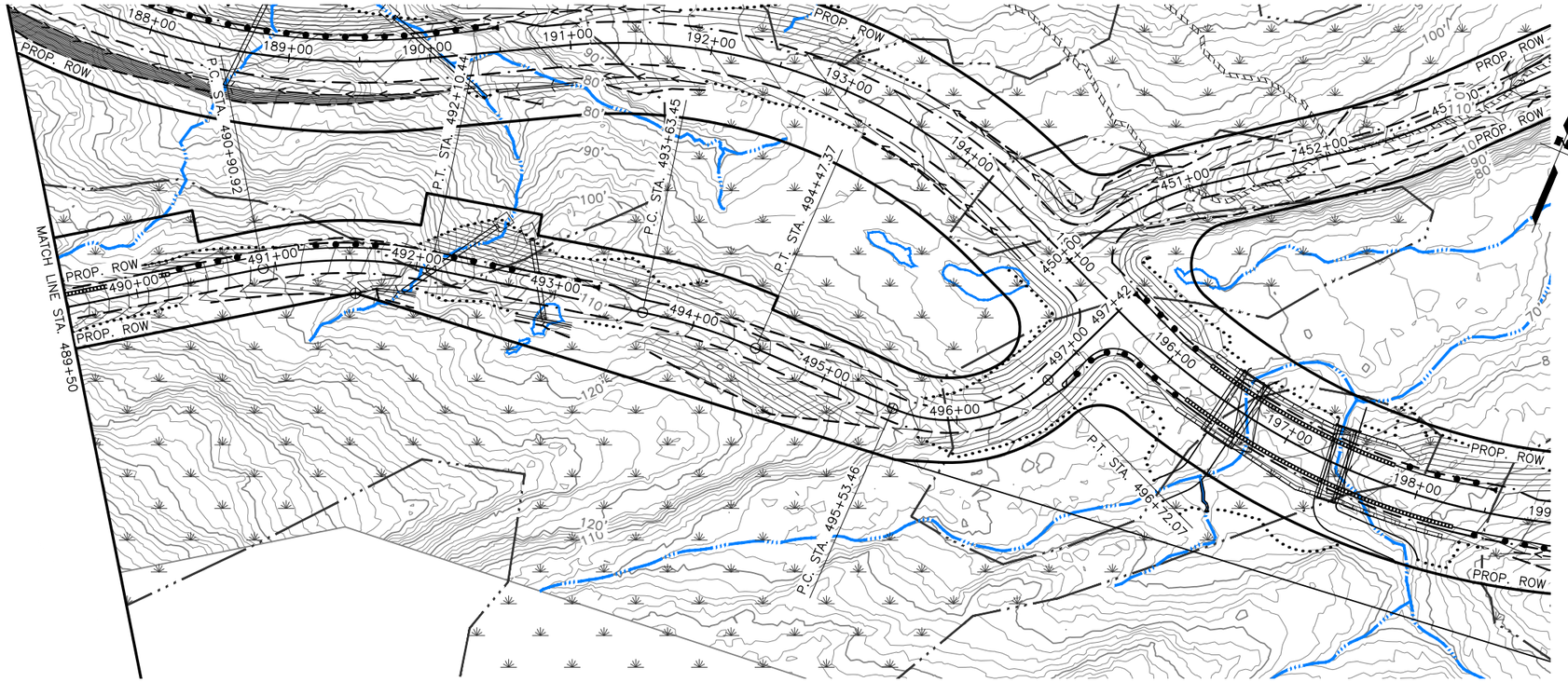
ACCESS ROAD STA 478+50 TO 489+50

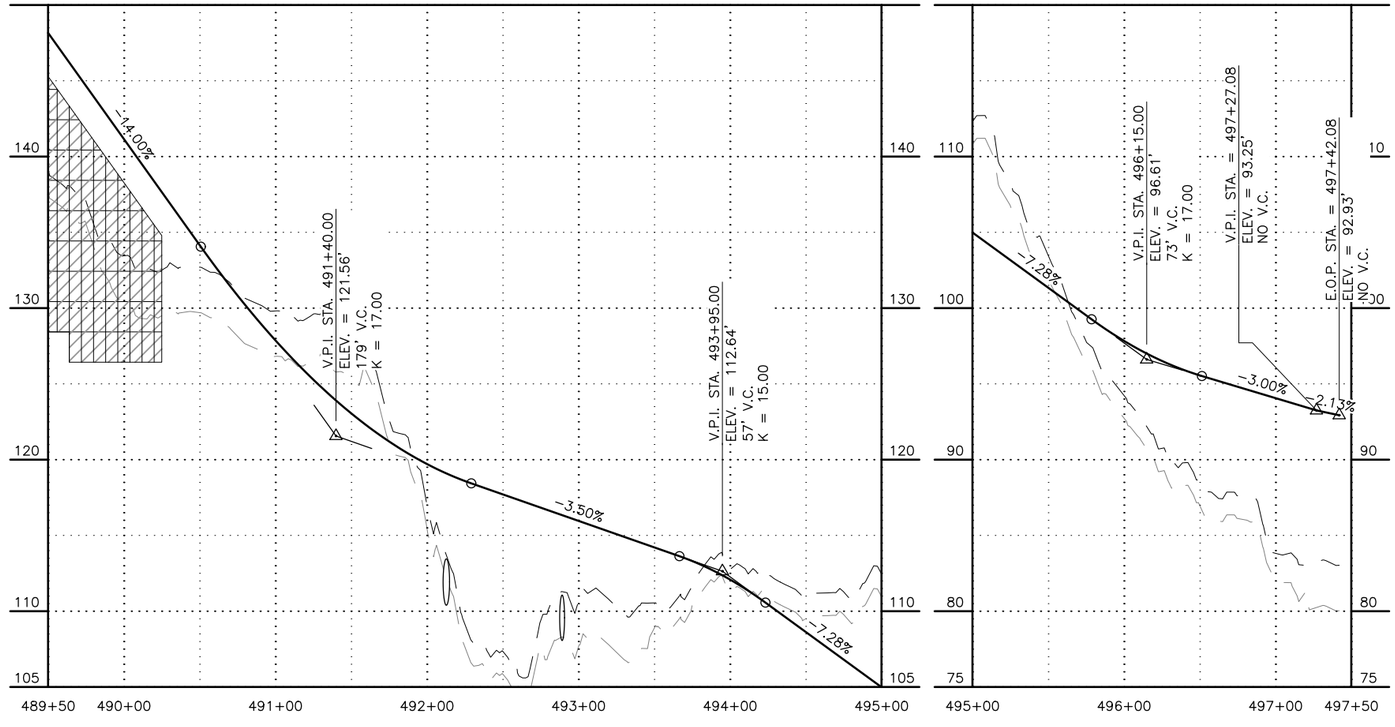
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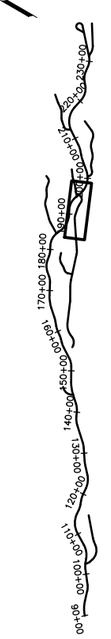
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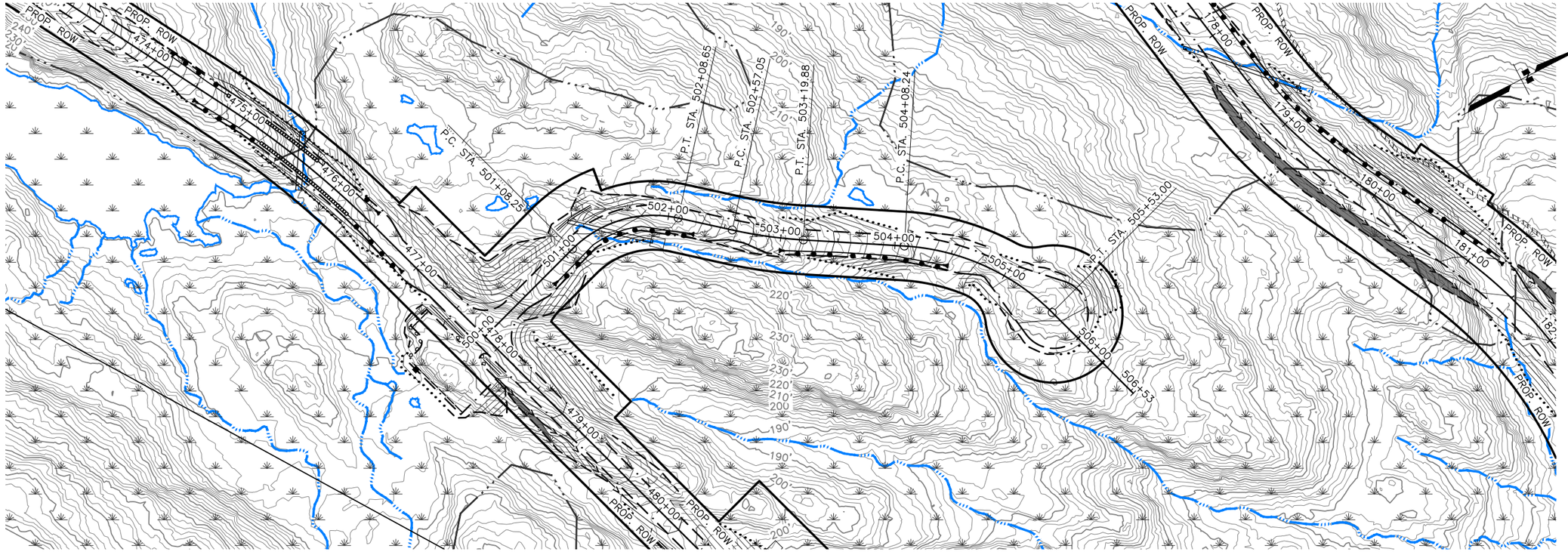
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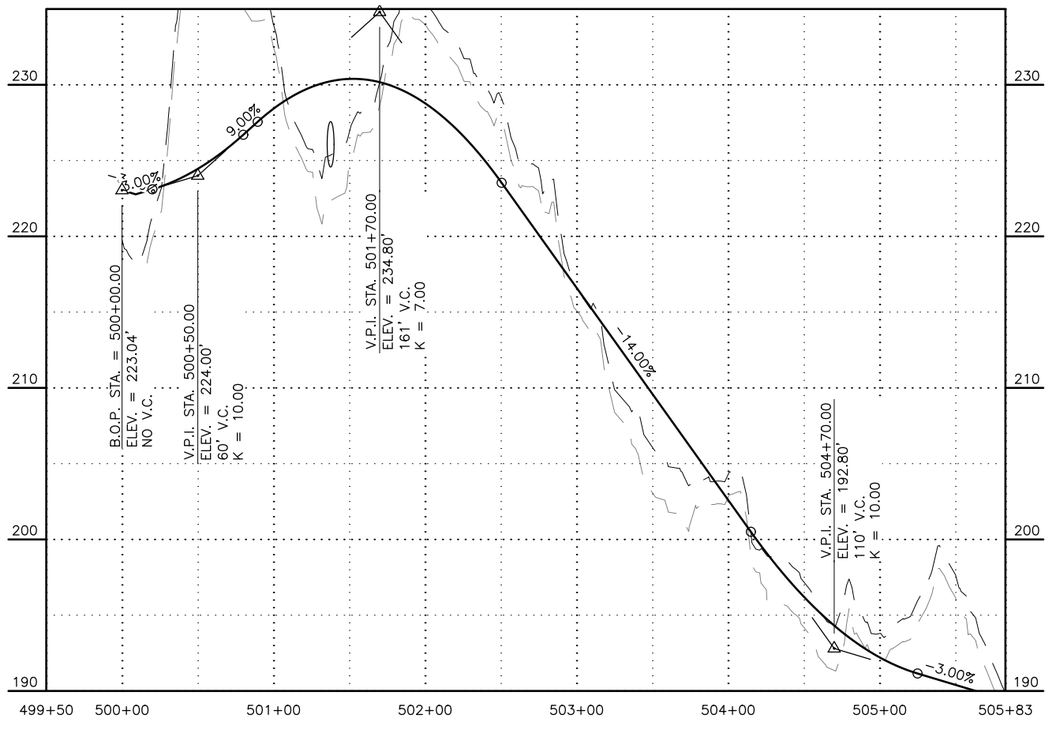
DRAWING LOCATION
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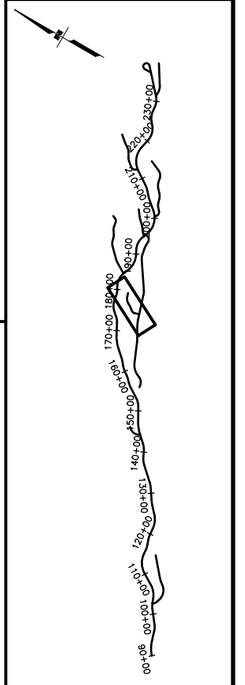

PROP. ROW
188+00
189+00
190+00
191+00
192+00
193+00
194+00
451+00
452+00
450+00
491+00
492+00
493+00
494+00
495+00
496+00
497+00
498+00
199
P.C. STA. 490+90.21
P.T. STA. 492+10.44
P.C. STA. 493+63.45
P.T. STA. 494+47.37
P.C. STA. 495+53.46
P.T. STA. 496+72.07
MATCH LINE STA. 489+50
90'
80'
100'
110'
120'


-14.00%
-3.50%
-7.28%
-3.00%
-2.13%
V.P.I. STA. 491+40.00
ELEV. = 121.56'
179' V.C.
K = 17.00
V.P.I. STA. 493+95.00
ELEV. = 112.64'
57' V.C.
K = 15.00
V.P.I. STA. 496+15.00
ELEV. = 96.61'
73' V.C.
K = 17.00
V.P.I. STA. = 497+27.08
ELEV. = 93.25'
NO V.C.
E.O.P. STA. = 497+42.08
ELEV. = 92.93'
NO V.C.
140
130
120
110
105
100
90
80
75
10
489+50
490+00
491+00
492+00
493+00
494+00
495+00
496+00
497+00
497+50


170+00
180+00
190+00
200+00
210+00
220+00
230+00
240+00
250+00
260+00
270+00
280+00
290+00
300+00
310+00
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370+00
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390+00
400+00
410+00
420+00
430+00
440+00
450+00
460+00
470+00
480+00
490+00
500+00
510+00
520+00
530+00
540+00
550+00
560+00
570+00







SHEET NO.	TOTAL SHEETS
F24	F27
STATE	YEAR
ALASKA	2022

PROJECT DESIGNATION

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CITY OF WHITTIER

SHOTGUN COVE ROAD EXTENSION MILE 2.0 TO 4.5

PLAN AND PROFILE

ACCESS ROAD STA 500+00 TO 505+85

DESIGNED BY --
CHECKED BY --
DRAFTED BY --

SCALE

DATE 8/3/2022 TIME 1:47 PM

DRAWING LOCATION
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