FUTURE PEDESTRIAN BRIDGE BY OTHERS

CLAUDE CT

E 48TH ST

HCL YORK

MATCH LINE STA. 514+00
SEE SHEET 7

514+00

HCL UPRR

UNION PACIFIC RAILROAD

520+00

E 47TH ST

HCL JOSEPHINE

Kiewit meridiam PARTNERS

Central 70

N

0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN - YORK
STA 514+00 TO STA 514+43.30

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	43 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 101

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN - STEELE
STA 500+00 TO STA 507+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	44 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 102

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
ROADWAY PLAN - VASQUEZ
STA 512+00 TO STA 523+64.13

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	45 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	103

$PLOT_INFO$

MATCH LINE STA. 504+00
SEE SHEET 10

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

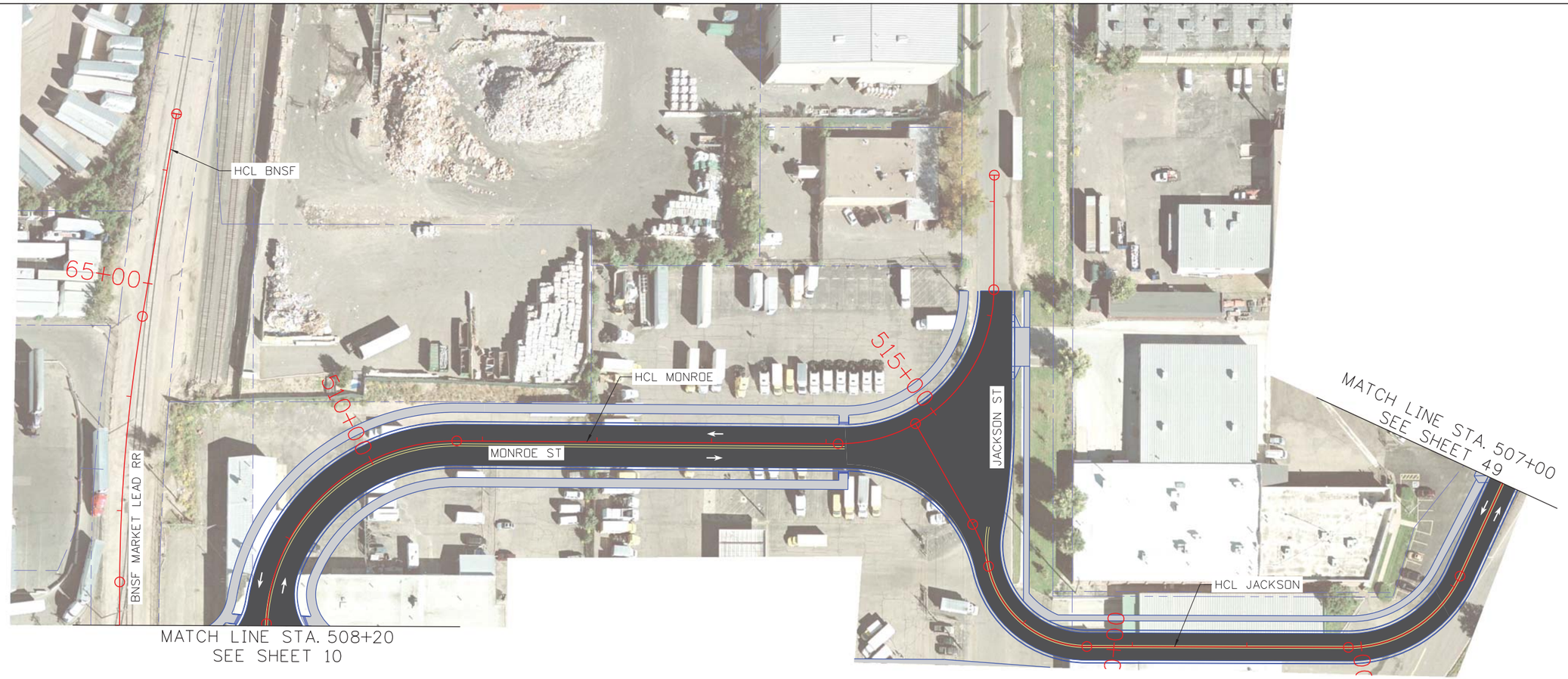
N

CENTRAL 70
ROADWAY PLAN - MONROE
STA 500+12.57 TO STA 504+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	46 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	104

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

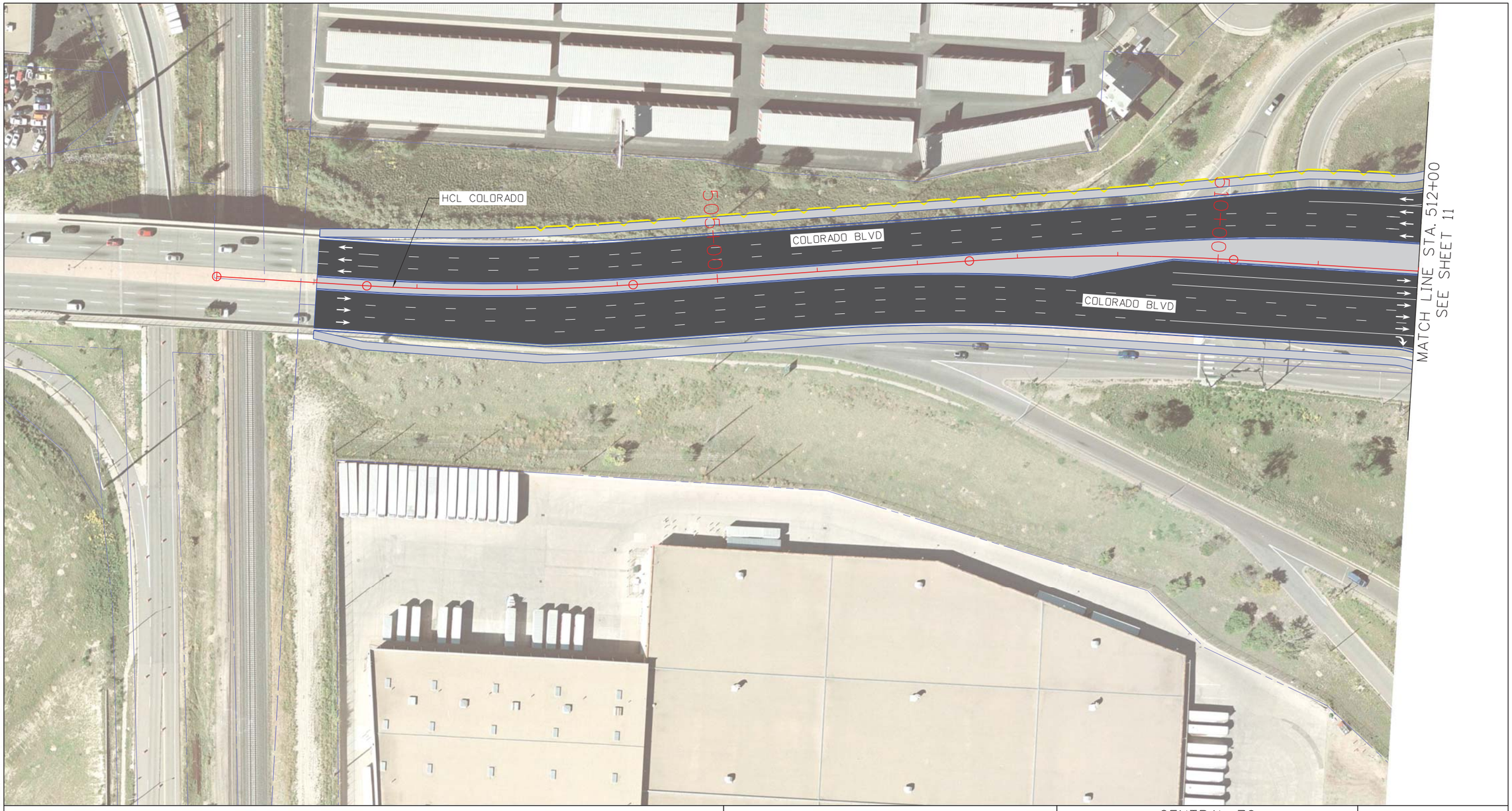
N

CENTRAL 70
ROADWAY PLAN - MONROE & JACKSON
STA 508+20 TO STA 517+23.02

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	47 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 105

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

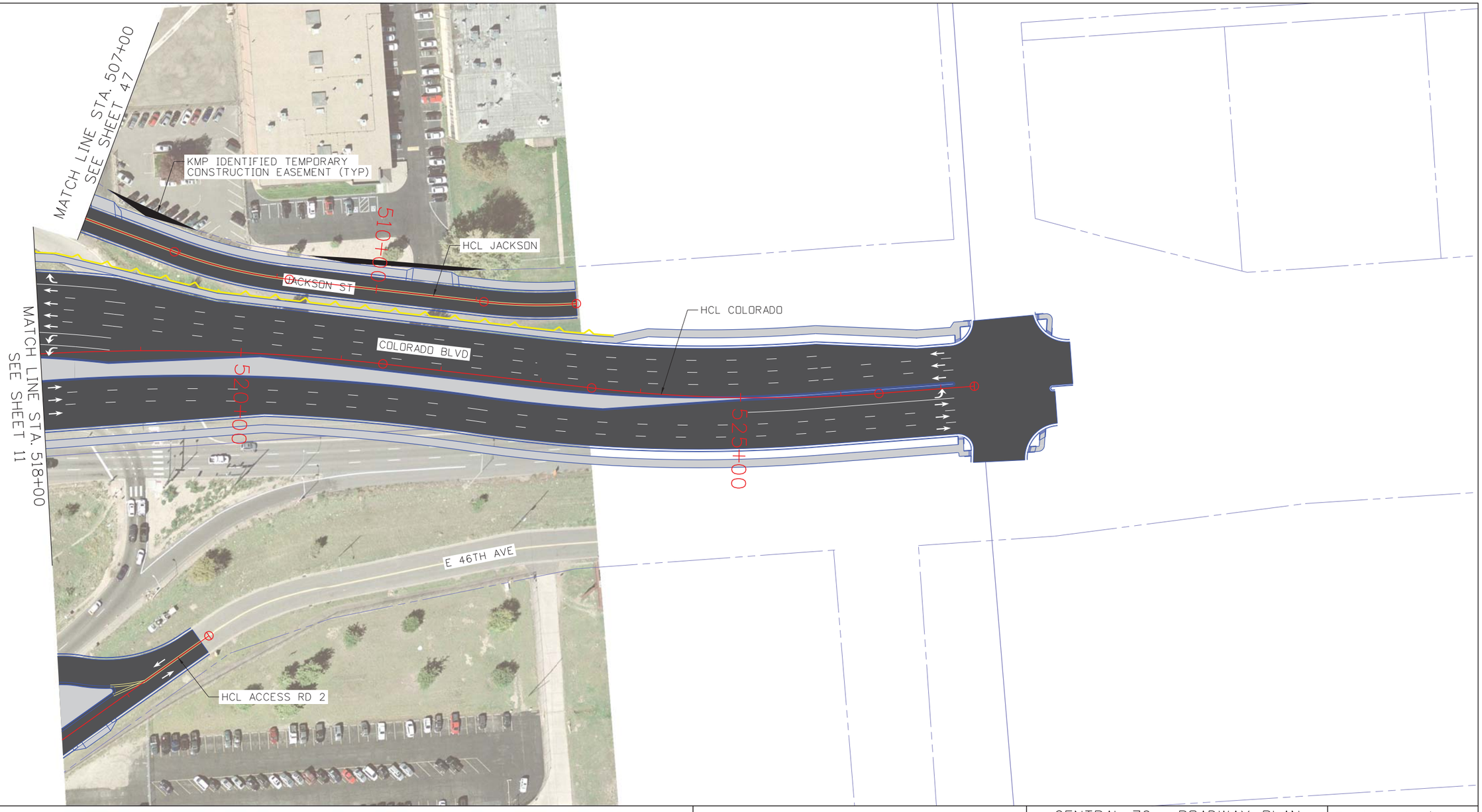
0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN - COLORADO
STA 500+00 TO STA 512+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	48 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	106

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

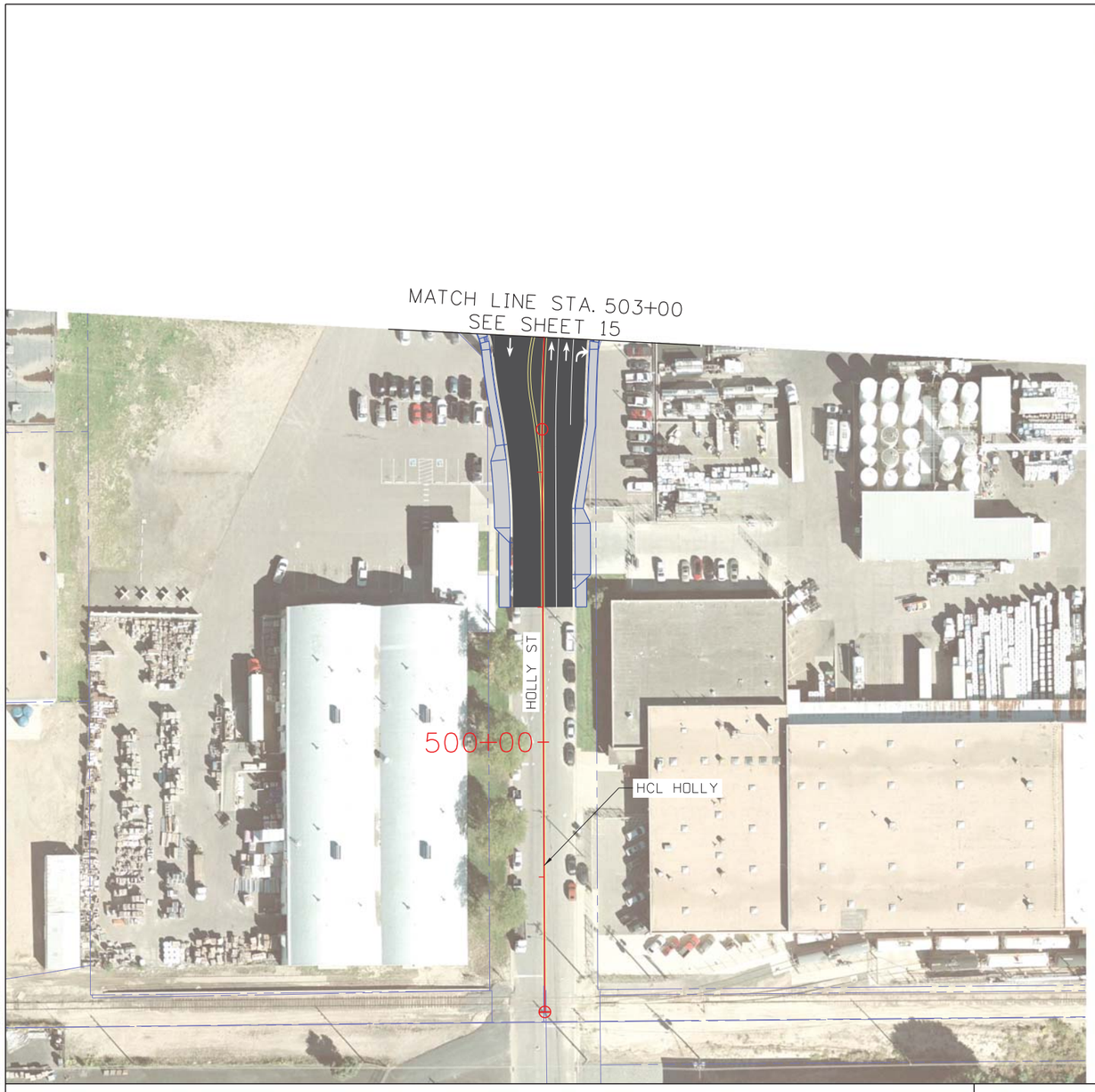
0' 50' 100' 200'

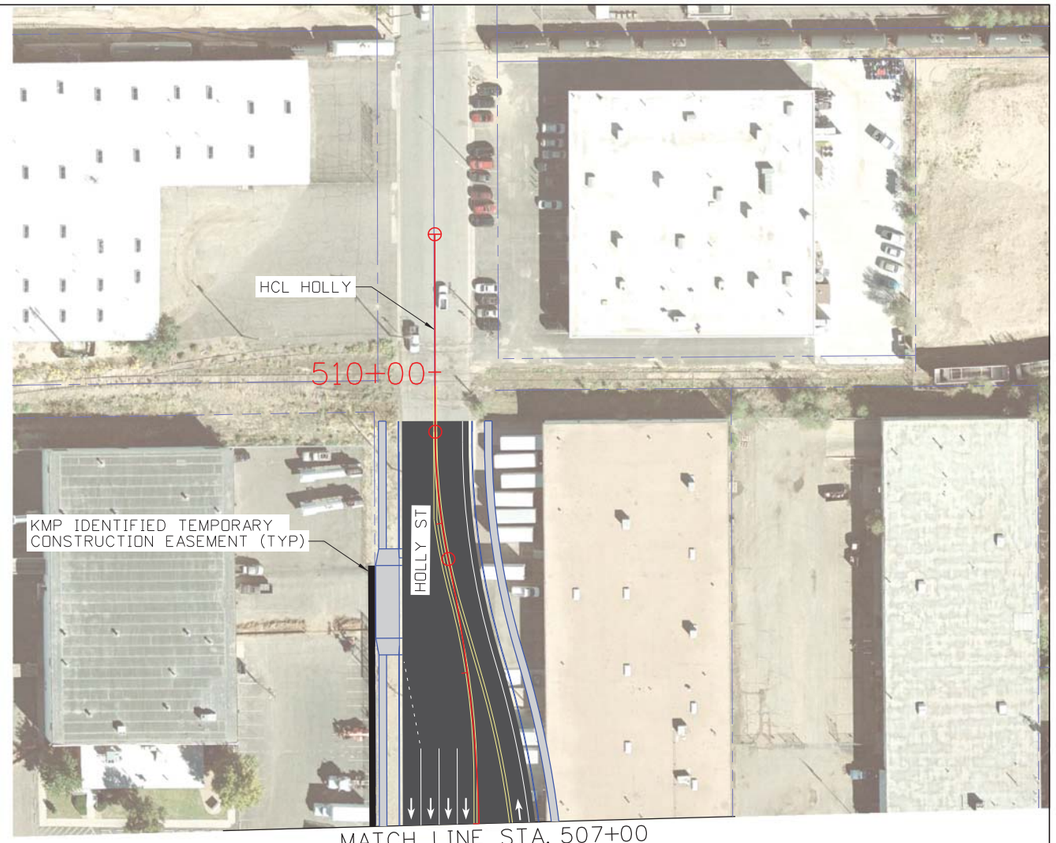
CENTRAL 70 - ROADWAY PLAN
COLORADO, JACKSON & ACCESS RD 2
STA 518+00 TO STA 527+33.35

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	49 of 60

Project No./Code	FBR 0704-234
	19631
Sheet Number	107

$PLOT_INFO$





Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
ROADWAY PLAN - HOLLY
STA 498+00 TO STA 510+91

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	50 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 108

$PLOT_INFO$

MATCH LINE STA. 510+50
SEE SHEET 19

MATCH LINE STA. 122+00
SEE SHEET 18

MATCH LINE STA. 303+00
SEE SHEET 19

QUEBEC ST EB EXIT RAMP

HCL QUEBEC EB OFF

HCL QUEBEC WB ON

HCL QUEBEC

QUEBEC ST

125+00

510+00

505+00

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

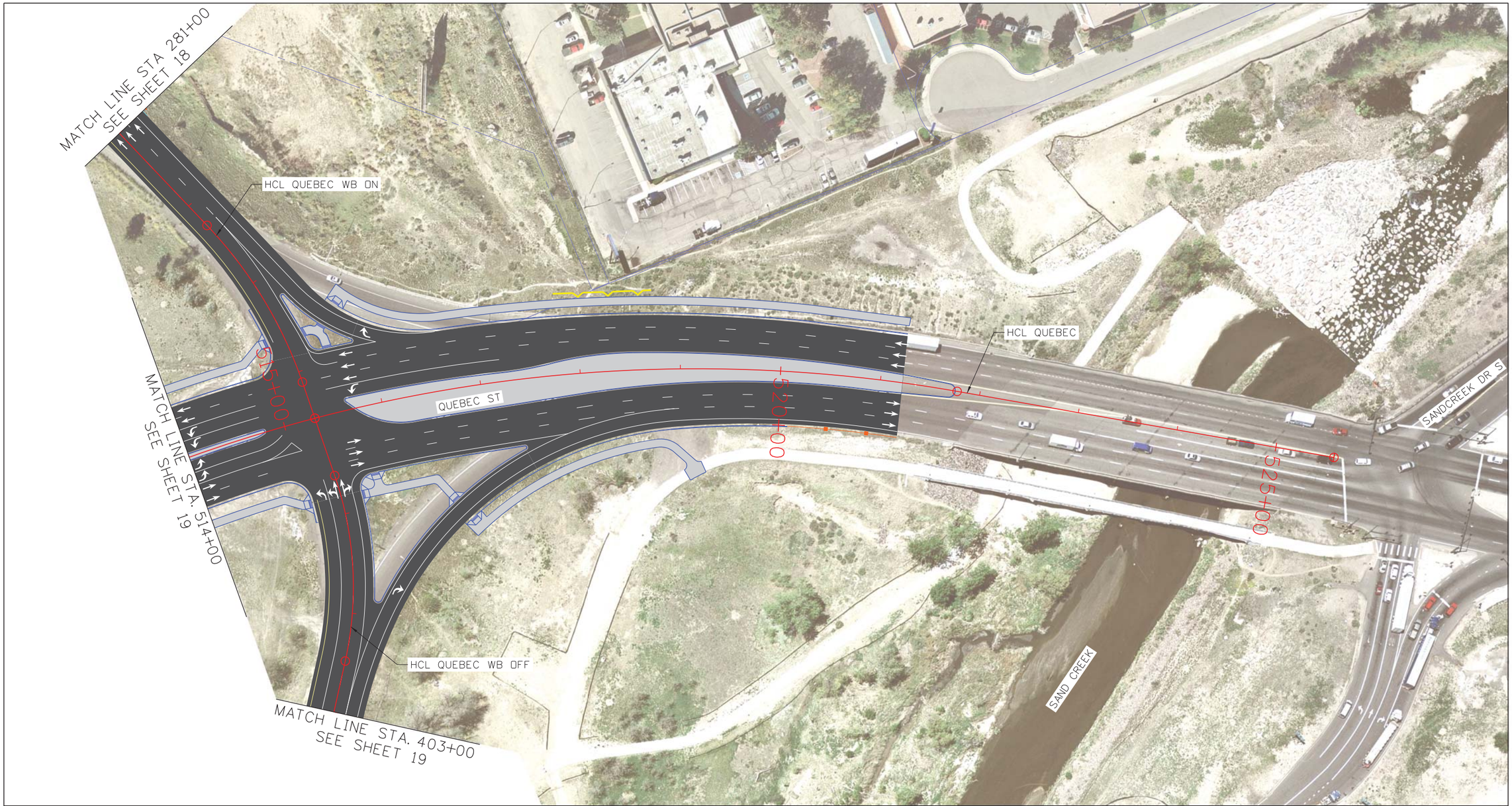
N

CENTRAL 70
ROADWAY PLAN - QUEBEC
STA 505+00 TO STA 510+50

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	51 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	109

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

N

0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN - QUEBEC
STA 514+00 TO STA 525+58.73

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	52 of 60

Project No./Code

FBR 0704-234

19631

Sheet Number 110

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

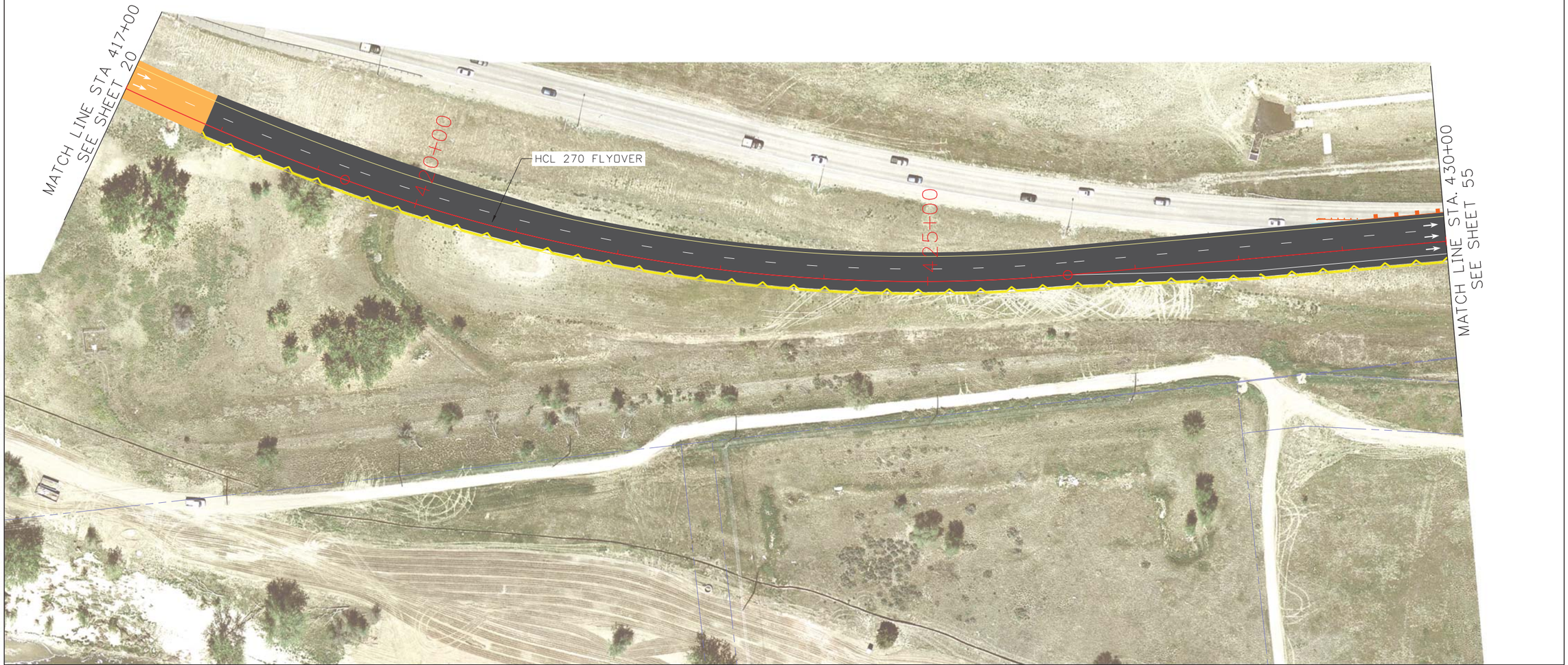
0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN - I-270
STA 400+00 TO STA 408+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	53 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	111

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN - I-270
STA 417+00 TO STA 430+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	54 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 112

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN - I-270
STA 430+00 TO STA 435+09.04

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	55 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 113

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
ROADWAY PLAN
HAVANA RAMPS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	56 of 60

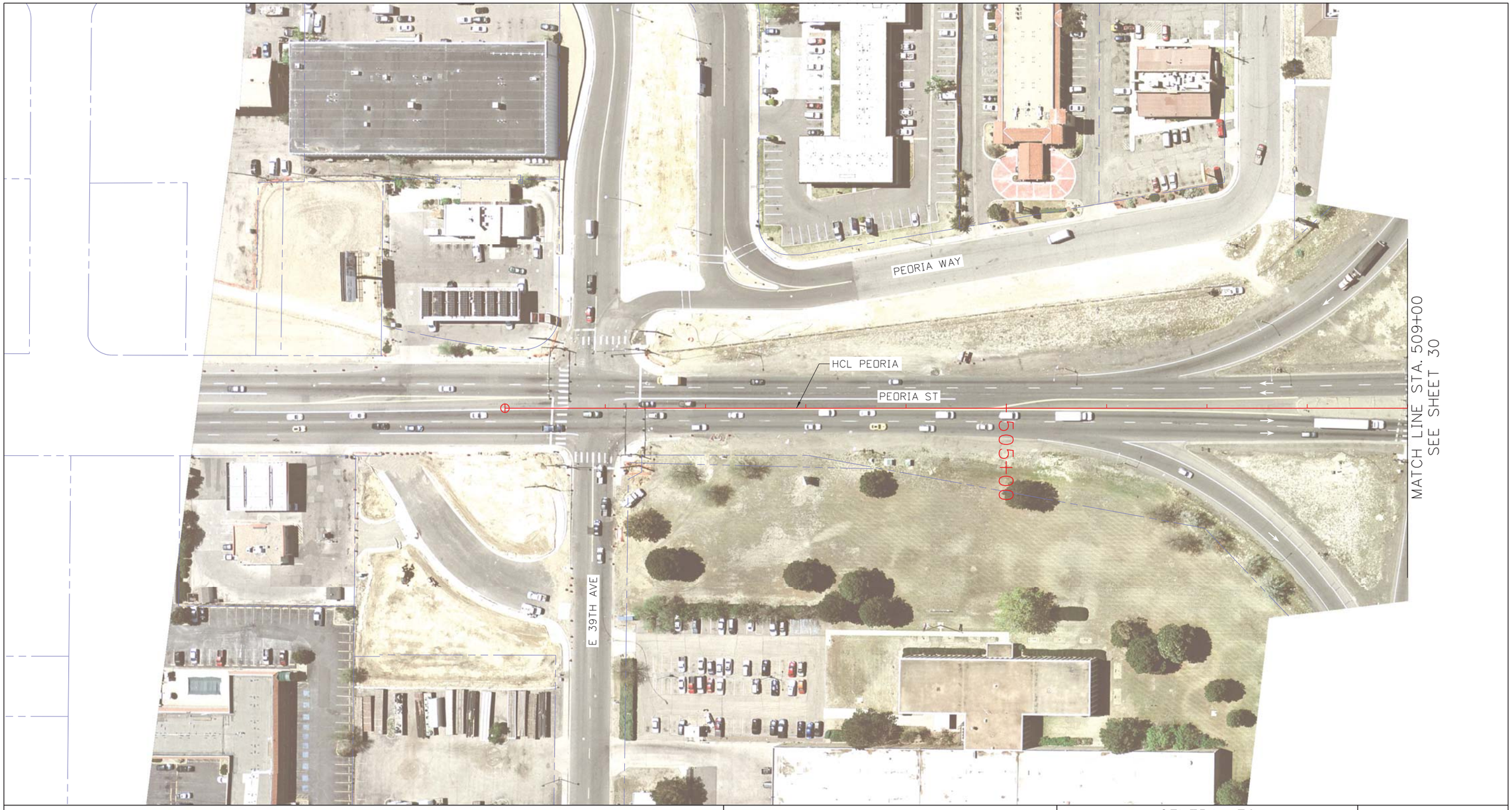
Project No./Code

FBR 0704-234

19631

Sheet Number 114

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN - PEORIA
STA 500+00 TO STA 509+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	57 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	115

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

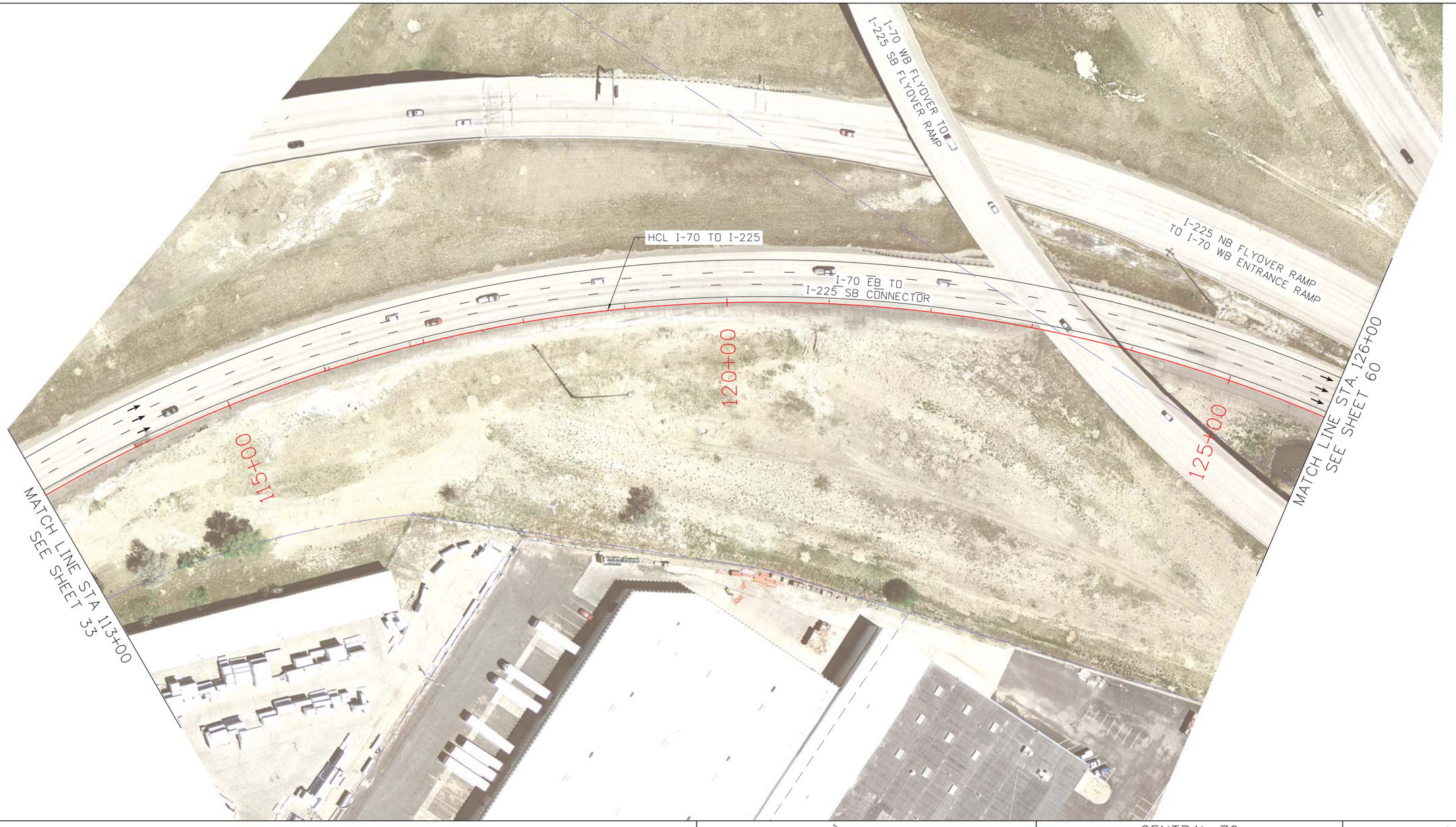
0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN - PEORIA
STA 515+00 TO STA 520+48.28

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	58 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	116

$PLOT_INFO$



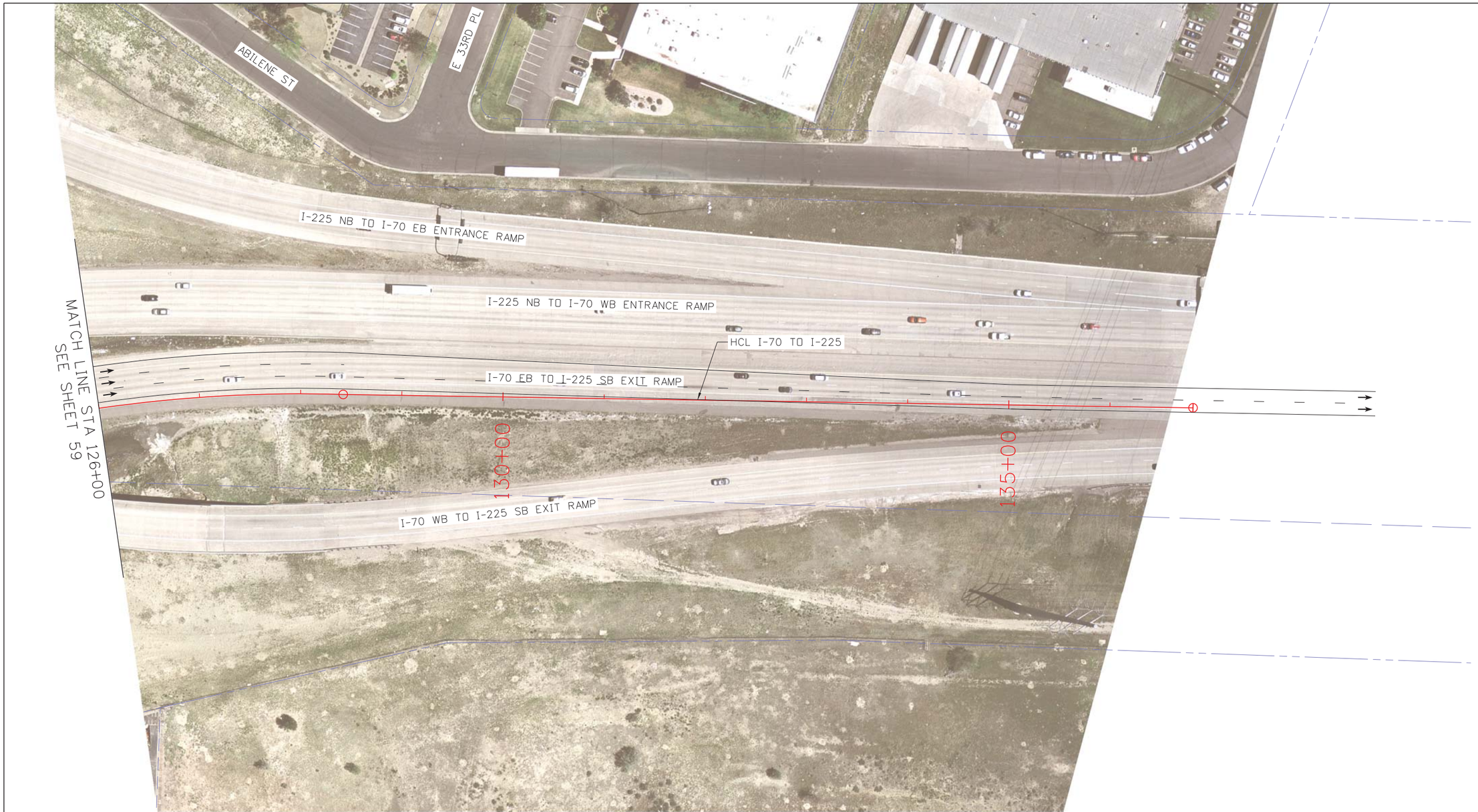
Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 ROADWAY PLAN I-225 CONNECTOR STA 113+00 TO STA 126+00				Project No./Code
				FBR 0704-234
Designer:	KMP	Structure Numbers	-	19631
Detailer:	KMP		-	
Subset:	ROADWAY	Subset Sheets:	59 of 60	Sheet Number 117

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

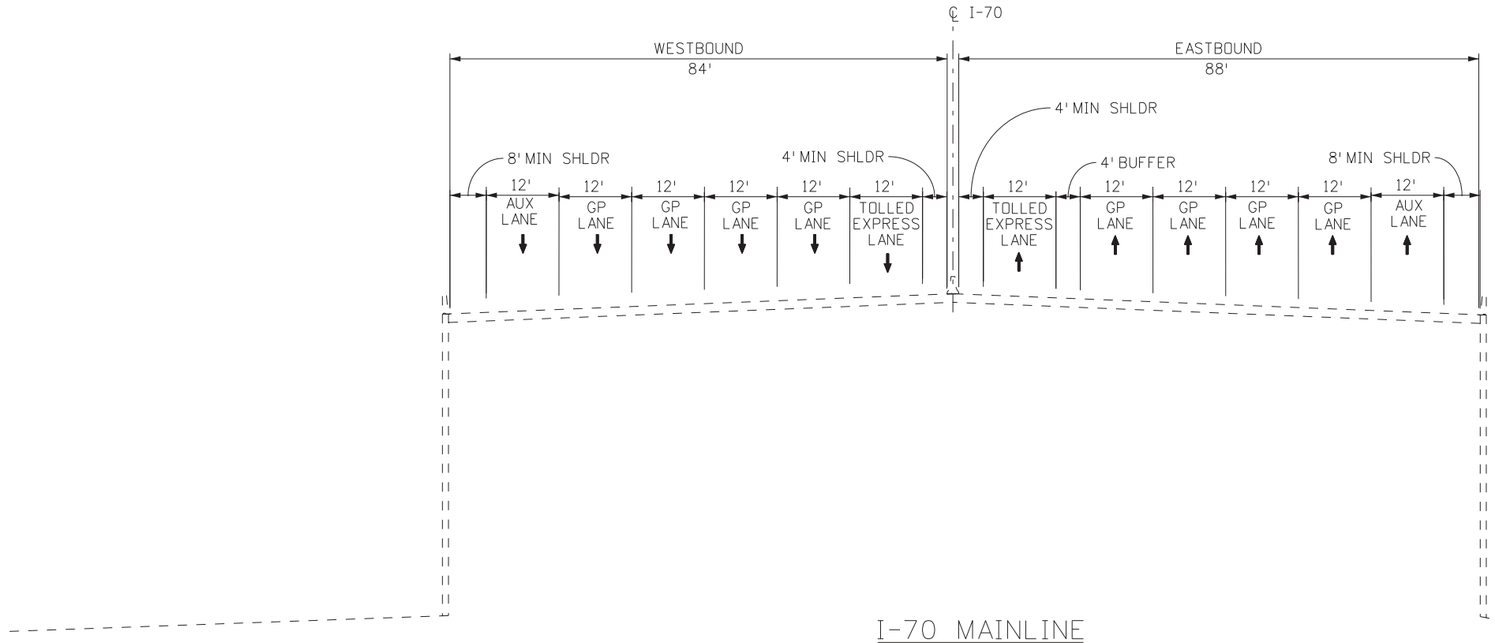
0' 50' 100' 200'

CENTRAL 70
ROADWAY PLAN I-225 CONNECTOR
STA 126+00 TO STA 136+82.13

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	ROADWAY	Subset Sheets:	60 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 118

$PLOT_INFO$



I-70 MAINLINE

I-25 TO BRIGHTON BLVD

TYPICAL SECTION NOTES:

1. IN LOCATIONS WHERE AN AUXILIARY LANE IS NOT PRESENT, PROVIDE A 12' OUTSIDE SHOULDER.
2. WITHIN MAINLINE RESTRIPING SECTION MATCH THE SAME NUMBER OF EXISTING GENERAL PURPOSE AND AUXILIARY LANES. ROADWAY STRIPING IS TO ACCOMODATE ADDITIONAL TOLLED EXPRESS LANE.
3. THE TOLLED EXPRESS LANE STRIPING INCLUDES A WEAVE LANE AT MOST INGRESS/EGRESS LOCATIONS.
4. ALL SIDEWALK WIDTHS ARE SHOWN FDR INFORMATION ONLY. ALL SIDEWALK WIDTHS SHALL BE PER SCHEDULE 10, SECTION 9 ROADWAY.
5. SHOULDER DIMENSIONS WILL BE MODIFIED TO MATCH APPROVED DESIGN EXCEPTIONS. MINIMUM SHOULDER WIDTHS MAY BE NARROWED TO ACCOUNT FOR BRIDGE COLUMNS, LIGHT POLES, SIGN SUPPORTS, ETC.
6. SUPERELEVATION TRANSITIONS MEET DESIGN CRITERIA, SEE SCHEDULE 10 SECTION 9.
7. SEE PAVEMENT DETAIL SHEETS FOLLOWING TYPICAL SECTION SHEETS FOR PAVEMENT MATERIAL TYPES AND THICKNESS.

Kiewit meridiam PARTNERS

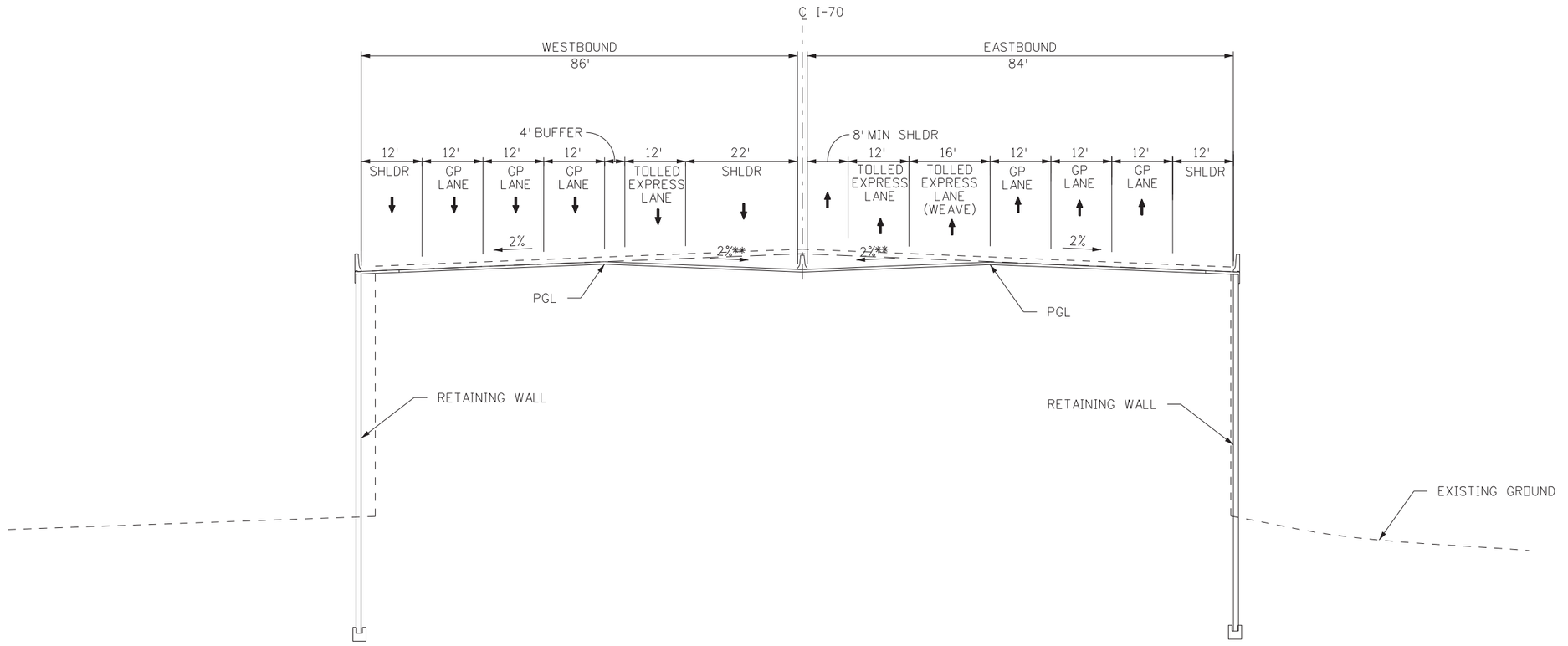
Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	1 of 16

Project No./Code
FBR 0704-234
19631
Sheet Number 119

$PLOT_INFO$



I-70 MAINLINE

BRIGHTON BLVD TO UPRR

** SECTION FOLLOWING KMP ATC 14 IS UTILIZED IN THIS LOCATION TO DECREASE DEPTH OF CUTS INTO GROUNDWATER. TRANSITION STARTS EAST OF BRIGHTON BOULEVARD.

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	2 of 16

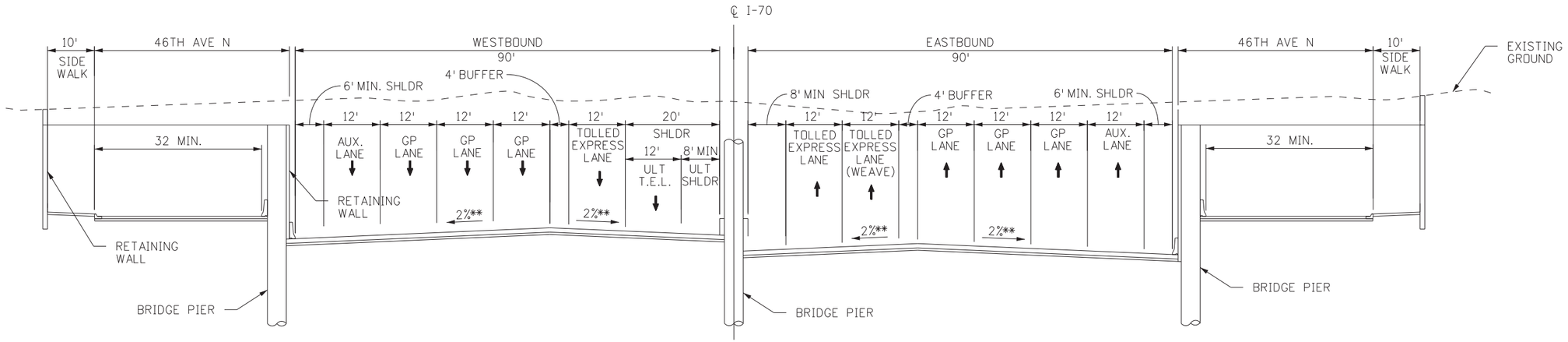
Project No./Code

FBR 0704-234

19631

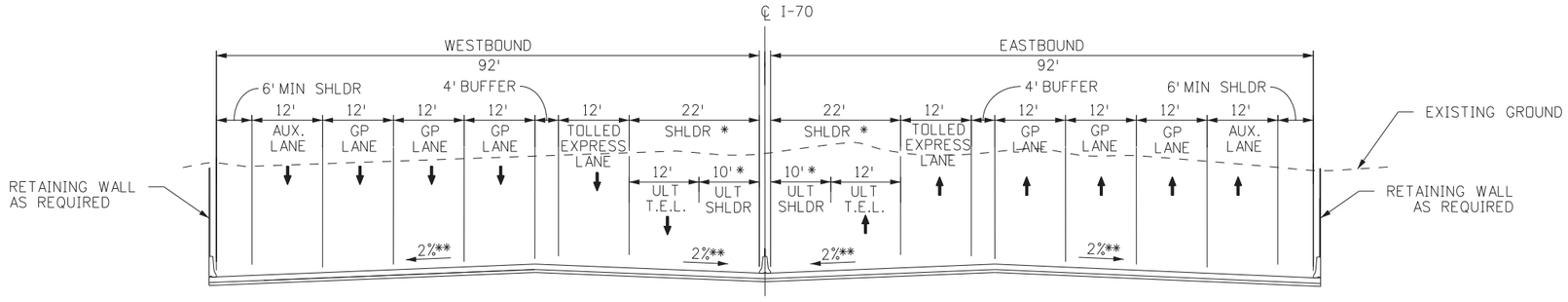
Sheet Number 120

$PLOT_INFO$



I-70 MAINLINE
UNDER UPRR BRIDGE

** SECTION FOLLOWING KMP ATC 14 IS UTILIZED IN THIS LOCATION, TRANSITIONING BACK TO NORMAL CROWN NEAR COLORADO.



I-70 MAINLINE
UPRR TO DAHLIA ST

Kiewit meridiam PARTNERS

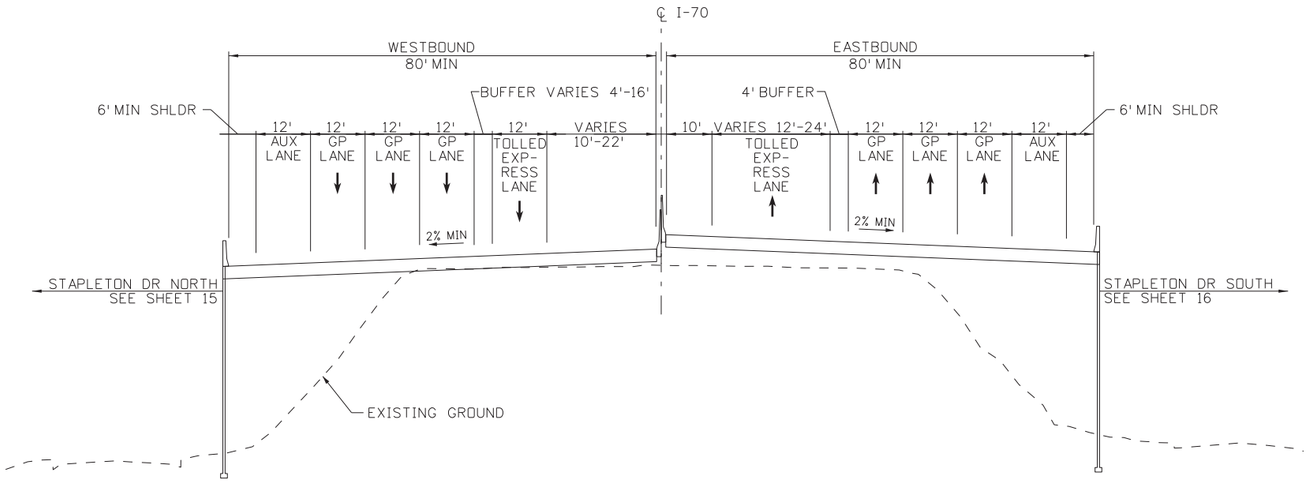
Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	3 of 16

Project No./Code
FBR 0704-234
19631
Sheet Number 121

$PLOT_INFO$



I-70 MAINLINE

DAHLIA TO HOLLY

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	4 of 16

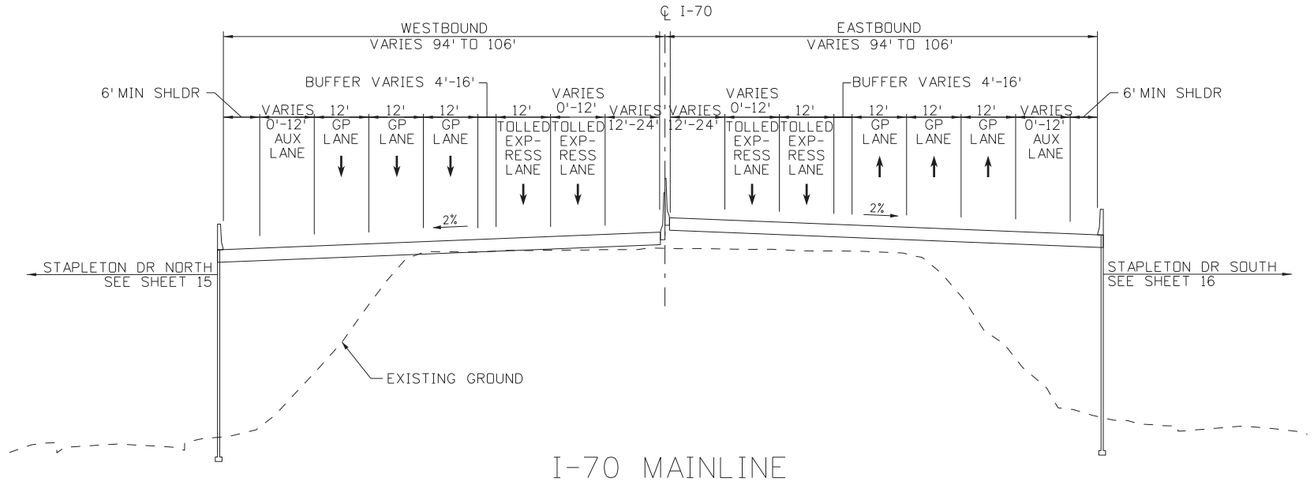
Project No./Code

FBR 0704-234

19631

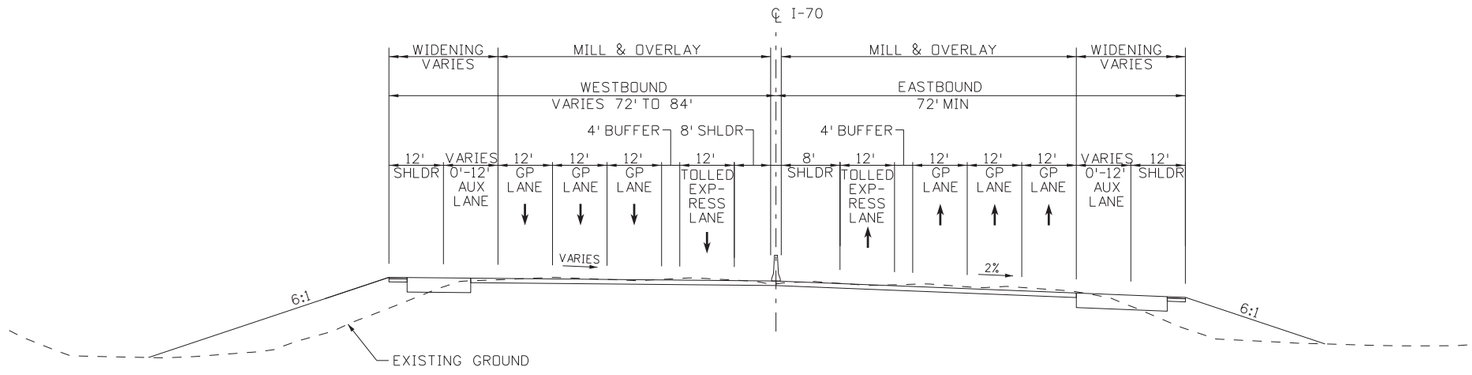
Sheet Number 122

$PLOT_INFO$



I-70 MAINLINE

HOLLY TO SAND CREEK



I-70 MAINLINE

SAND CREEK TO HAVANA

Kiewit meridiam PARTNERS

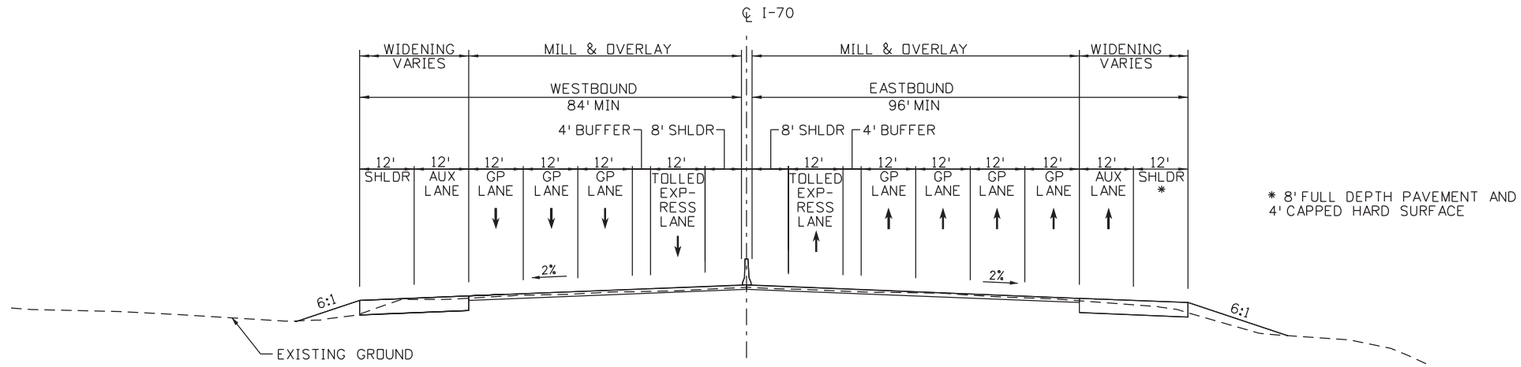
Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	5 of 16

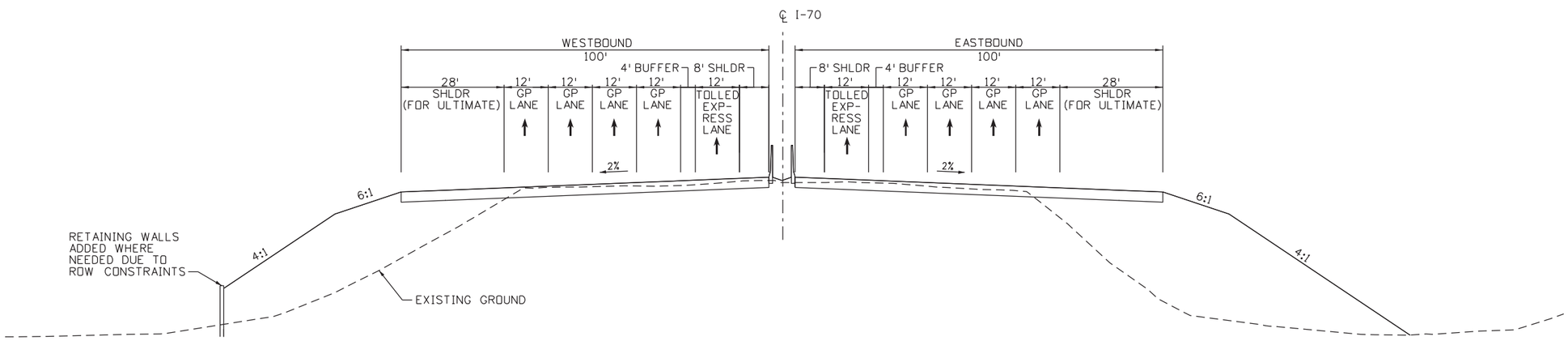
Project No./Code
FBR 0704-234
19631
Sheet Number 123

$PLOT_INFO$



I-70 MAINLINE

HAVANA TO PEORIA
PEORIA TO I-225



I-70 MAINLINE

AT PEORIA

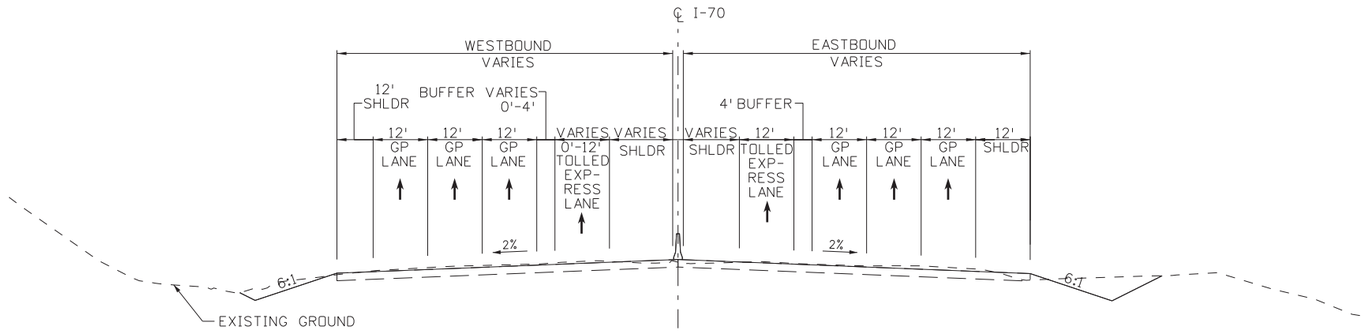
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	6 of 16

Project No./Code	FBR 0704-234
	19631
Sheet Number	124



I-70 MAINLINE
I-225 TO CHAMBERS ROAD

Kiewit meridiam PARTNERS

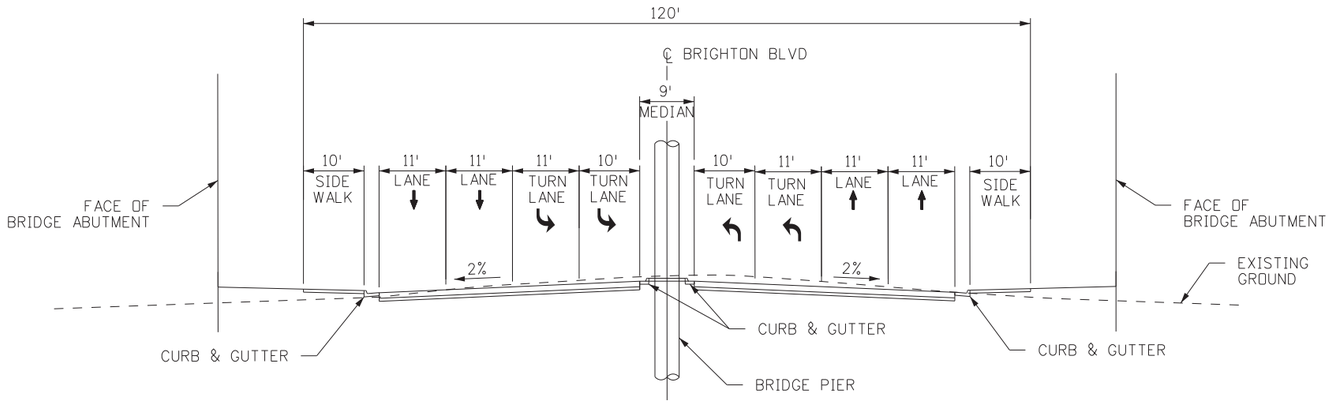
Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	7 of 16

Project No./Code
FBR 0704-234
19631
Sheet Number 125

$PLOT_INFO$



BRIGHTON BLVD

Kiewit meridiam PARTNERS

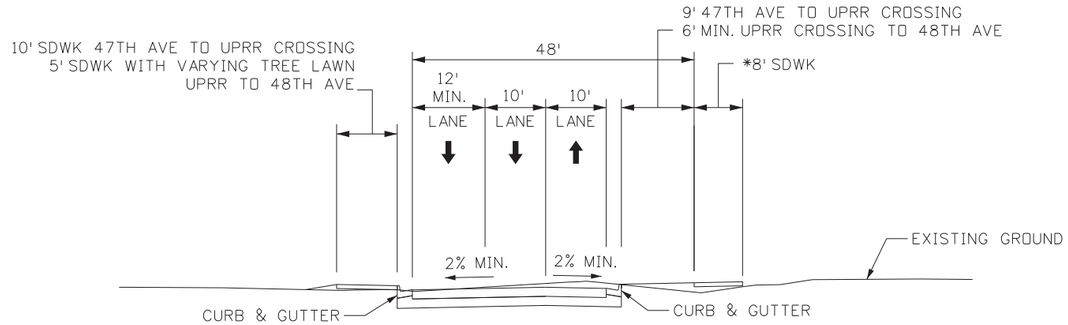
Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	8 of 16

Project No./Code
FBR 0704-234
19631
Sheet Number 126

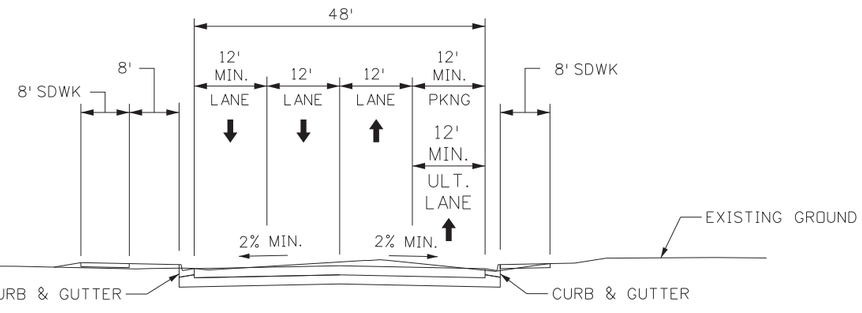
$PLOT_INFO$



YORK ST

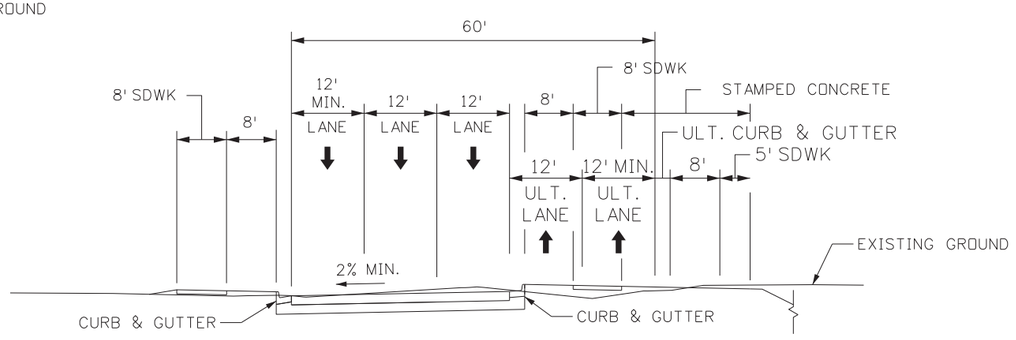
47TH AVE TO 48TH AVE

*MAXIMIZE SIDEWALK WIDTH WITHIN ROW,
6' SDWK PERMISSABLE WITHIN ROW CONSTRAINTS



YORK ST

NORTH OF I-70 MAINLINE TO 47TH AVE



YORK ST

SOUTH OF I-70 MAINLINE

NOTE:

CROSS SLOPE TRANSITIONS TO 1% ON BRIDGE TO FOLLOW KMP ATC 18.

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	9 of 16

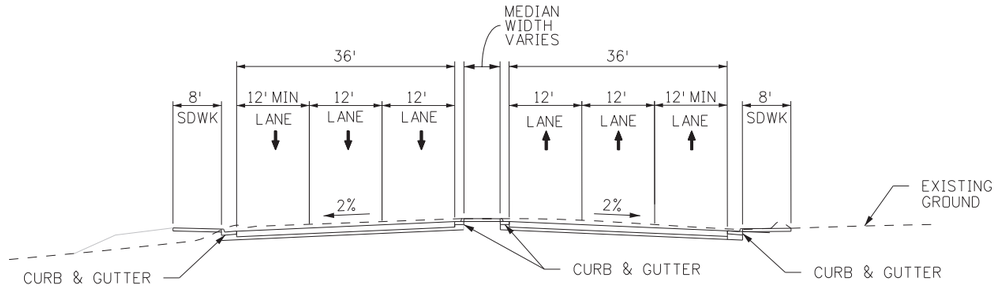
Project No./Code

FBR 0704-234

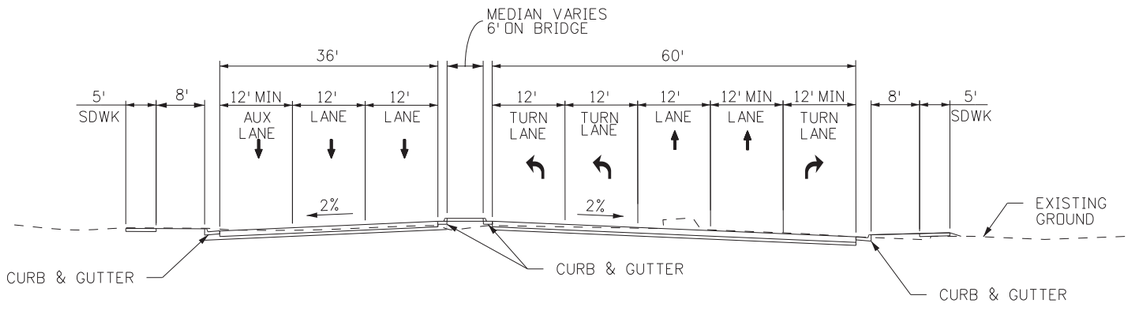
19631

Sheet Number 127

$PLOT_INFO$



VASQUEZ BLVD



STEELE ST

NOTE:
CROSS SLOPE TRANSITIONS TO 1%
ON BRIDGE TO FOLLOW KMP ATC 18.

Kiewit meridiam PARTNERS

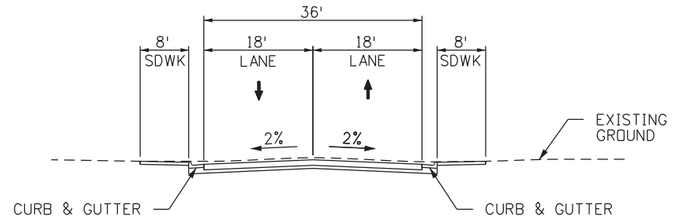
Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	10 of 16

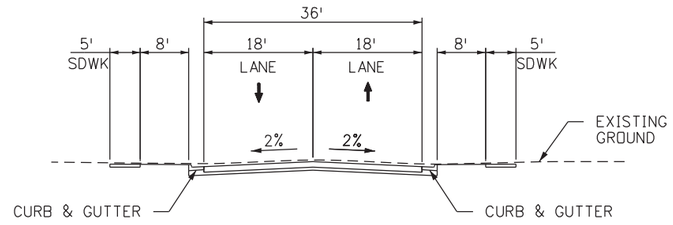
Project No./Code
FBR 0704-234
19631
Sheet Number 128

$PLOT_INFO$



COOK ST

NOTE:
CROSS SLOPE TRANSITIONS TO 1%
ON BRIDGE TO FOLLOW KMP ATC 18.



MONROE ST

NOTE:
CROSS SLOPE TRANSITIONS TO 2% INCLINED
PLANE ON BRIDGE TO FOLLOW KMP ATC 18.

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	11 of 16

Project No./Code
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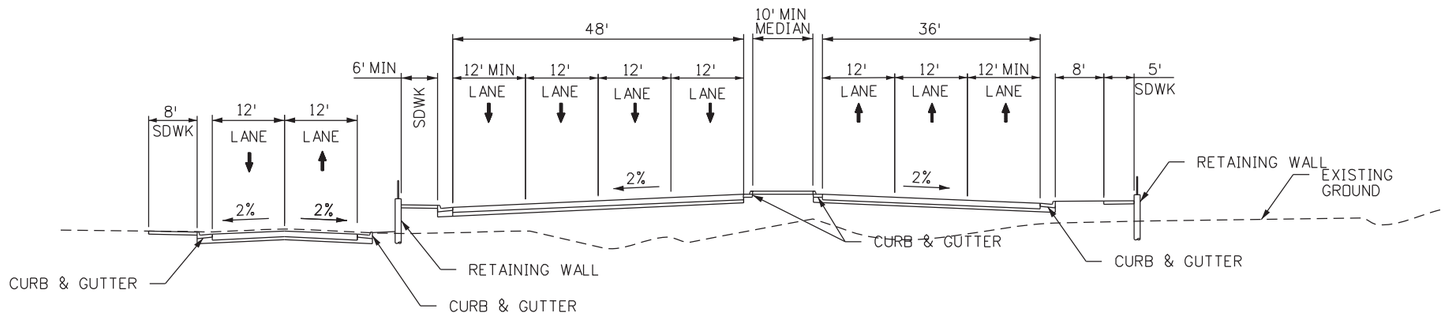
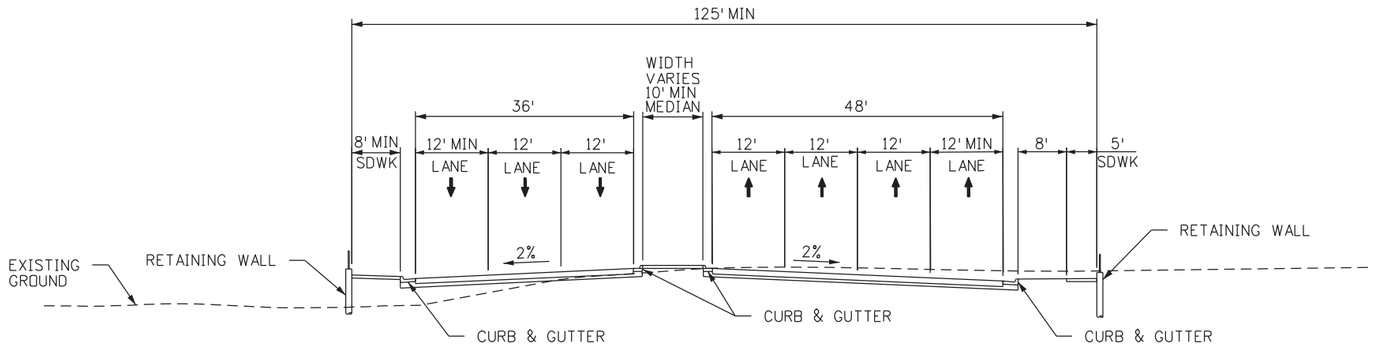
19631
Sheet Number 129



COLORADO BLVD
NORTH OF I-70



COLORADO BLVD
SOUTH OF I-70

NOTE:
CROSS SLOPE TRANSITIONS TO COMPOUND CROSS SLOPE ON BRIDGE TO FOLLOW KMP ATC 18.

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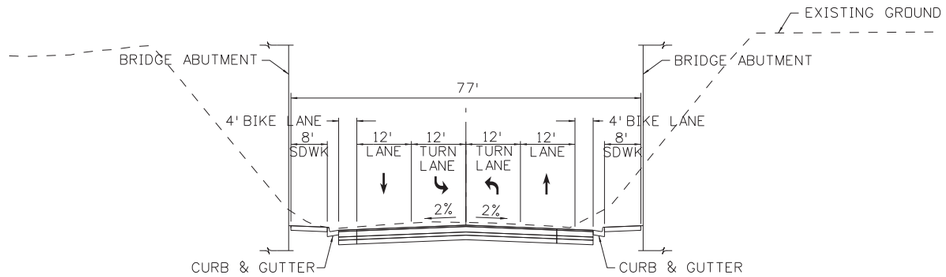
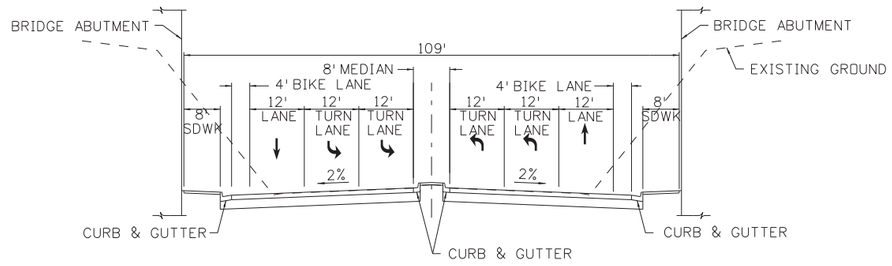
Central 70

CENTRAL 70 TYPICAL SECTIONS				Project No./Code
				FBR 0704-234
Designer: KMP	Structure Numbers	-		19631
Detailer: KMP		-		
Subset: TYP SECT	Subset Sheets:	12 of 16		Sheet Number 130



DAHLIA ST



HOLLY ST

Kiewit meridiam PARTNERS

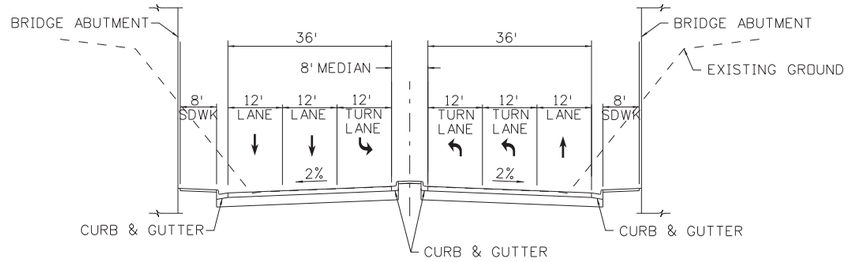
Central 70

CENTRAL 70
TYPICAL SECTIONS

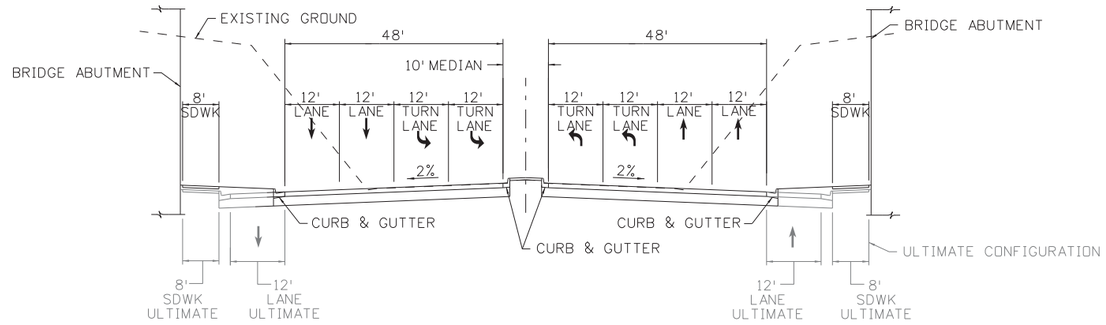
Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	13 of 16

Project No./Code
FBR 0704-234
19631
Sheet Number 131

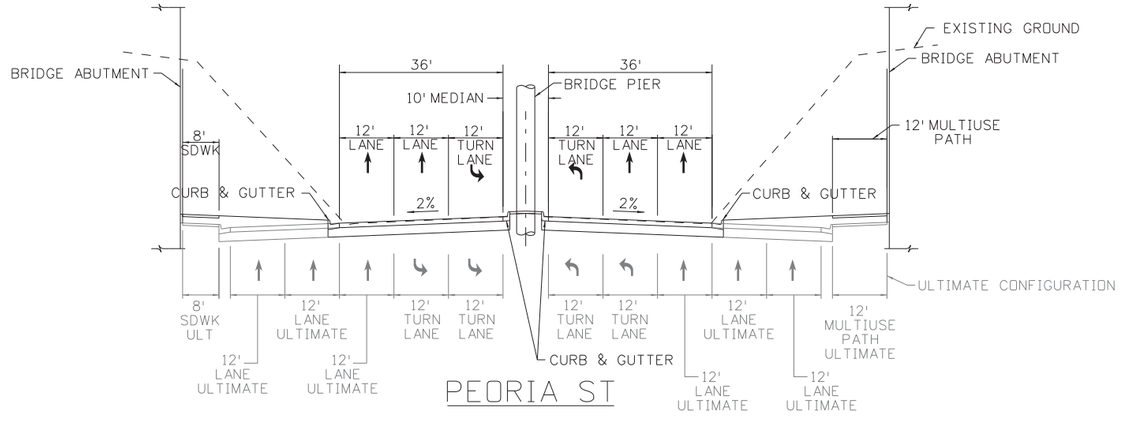
$PLOT_INFO$



MONACO ST



QUEBEC ST



PEORIA ST

Kiewit meridiam PARTNERS

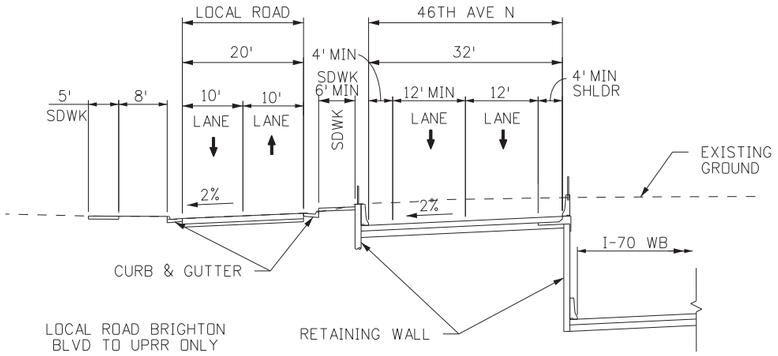
Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	14 of 16

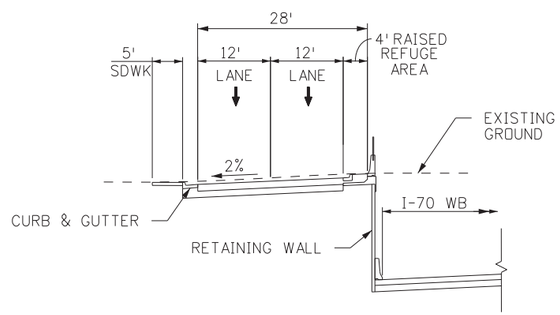
Project No./Code	
FBR 0704-234	
19631	
Sheet Number	132

$PLOT_INFO$



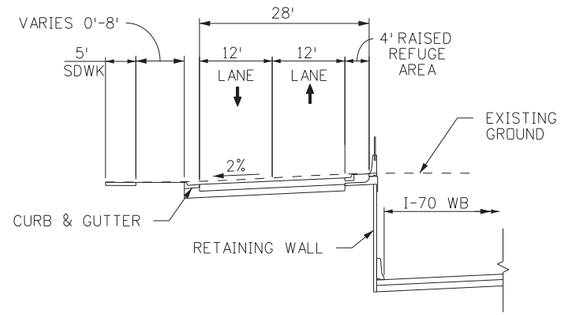
46TH AVE N

BRIGHTON BLVD TO YORK ST



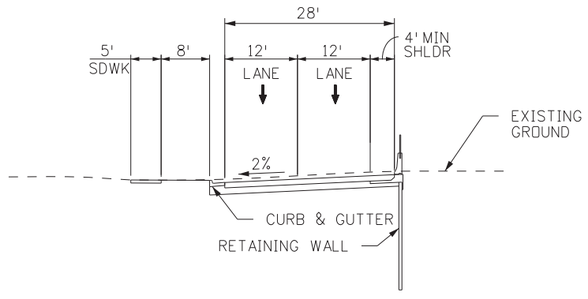
46TH AVE N

YORK ST TO JOSEPHINE ST



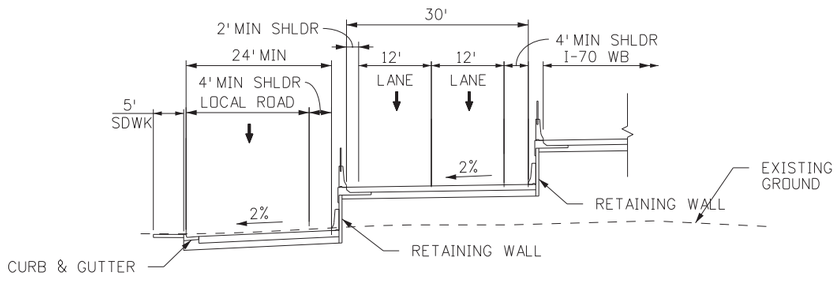
46TH AVE N

JOSEPHINE ST TO COLUMBINE ST
CLAYTON ST TO VASQUEZ ST



46TH AVE N

VASQUEZ ST TO COLORADO BLVD



LOCAL ROAD COLORADO BLVD
TO DAHLIA ST ONLY

STAPLETON DR N

COLORADO BLVD TO DRIR

Kiewit meridiam PARTNERS

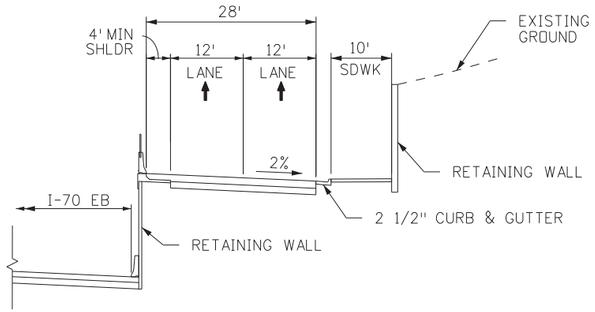
Central 70

CENTRAL 70
TYPICAL SECTIONS

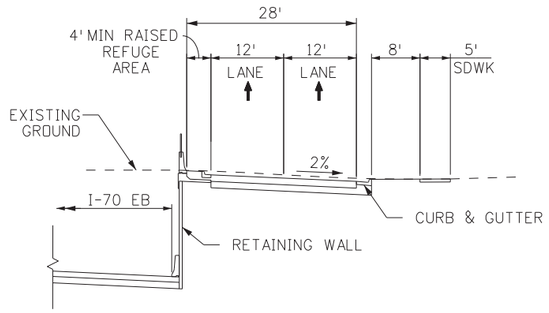
Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	15 of 16

Project No./Code
FBR 0704-234
19631
Sheet Number 133

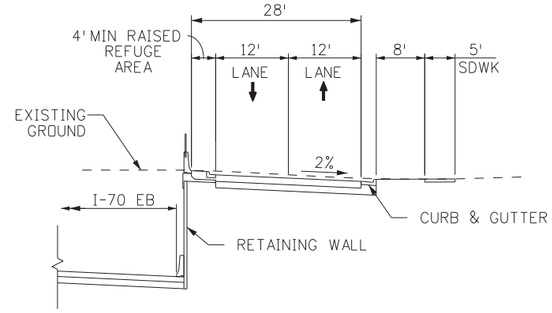
$PLOT_INFO$



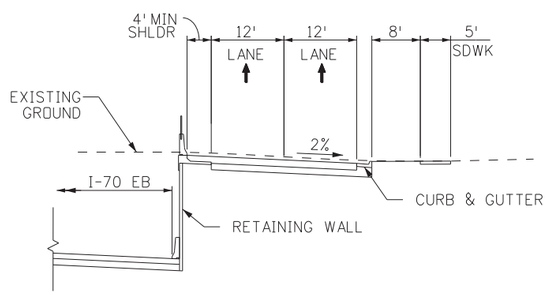
46TH AVE S
BRIGHTON BLVD TO YORK ST



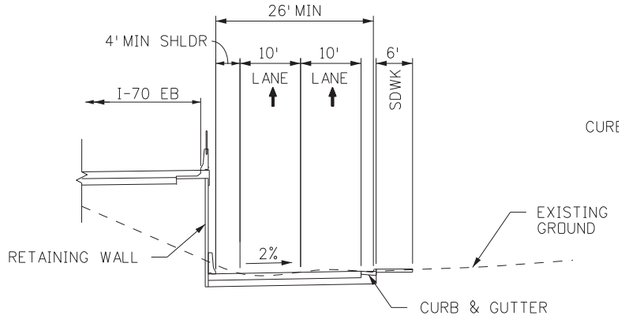
46TH AVE S
YORK ST TO JOSEPHINE ST



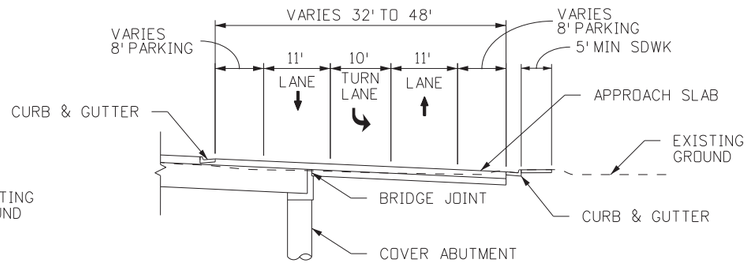
46TH AVE N
JOSEPHINE ST TO COLUMBINE ST
CLAYTON ST TO STEELE ST



46TH AVE S
STEELE ST TO COLORADO ST



STAPELTON DRIVE
COLORADO ST TO DRIR



46TH AVE N
COLUMBINE ST TO CLAYTON ST

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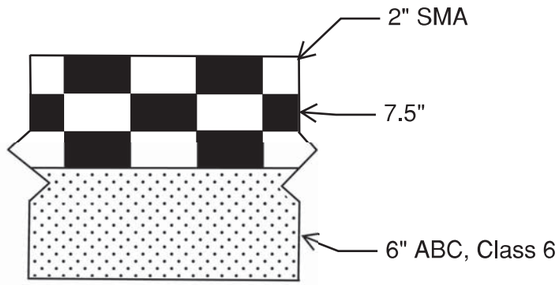
Central 70

CENTRAL 70
TYPICAL SECTIONS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	TYP SECT	Subset Sheets:	16 of 16

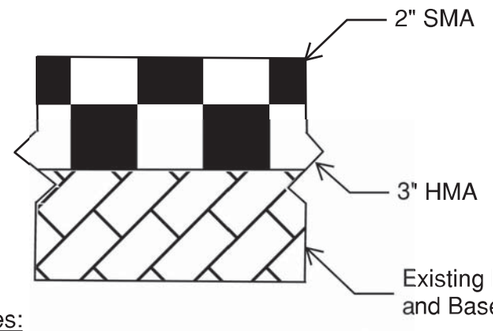
Project No./Code
FBR 0704-234
19631
Sheet Number 134

$PLOT_INFO$

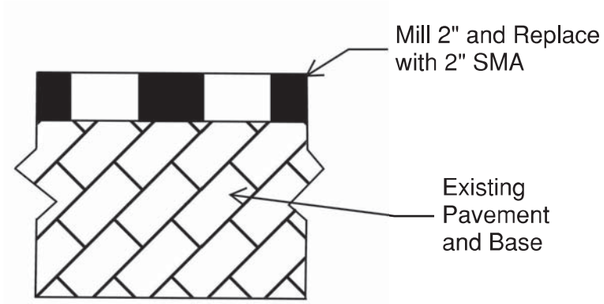


Note:
Use for widening section when matching existing asphalt section.

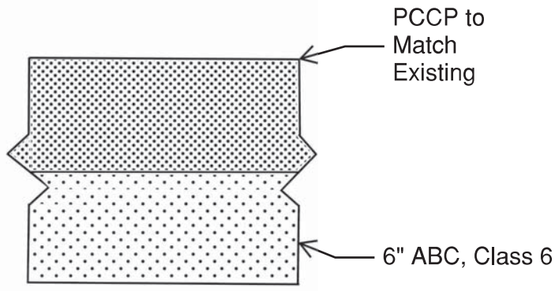
I-70 Mainline Full Depth Section



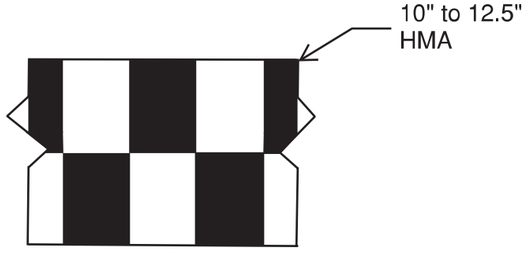
Notes:
1. Mill all exiting HMA, depth to be verified.
2. Reflective crack mitigation using high-polymer, rich bottom layer.



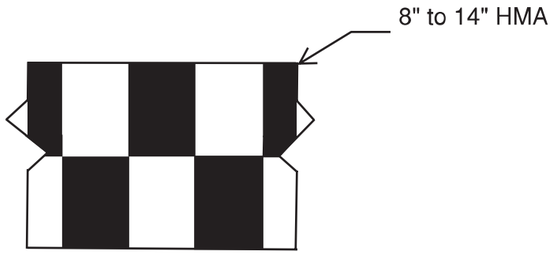
I-70 Mainline Mill and Replace, ATC 43



I-70 Mainline Widening - Matching PCCP



Local Roadways - Principal Arterials
(Such as Brighton Blvd., Holly or Peoria Streets)



Local Roadways - Collectors
(Such as Columbine, Cook and Dahlia Streets)

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Central 70

CENTRAL 70
PRELIMINARY PAVEMENT DETAILS

Designer:	KMP	Structure Numbers	
Detailer:	KMP		
Subset:		Subset Sheets:	1 of 1

Project No./Code
FBR 0704-234
19631
Sheet Number 135

PoDI / NHS	
FHWA PROJECT OF DIVISION INTEREST (PoDI)?	□ NO ■ YES
NATIONAL HIGHWAY SYSTEM?	□ NO ■ YES

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED
FEDERAL AID PROJECT NO. FBR 0704-234
INTERSTATE HIGHWAY NO. 70
DENVER COUNTY
CONSTRUCTION PROJECT CODE NO. 19631

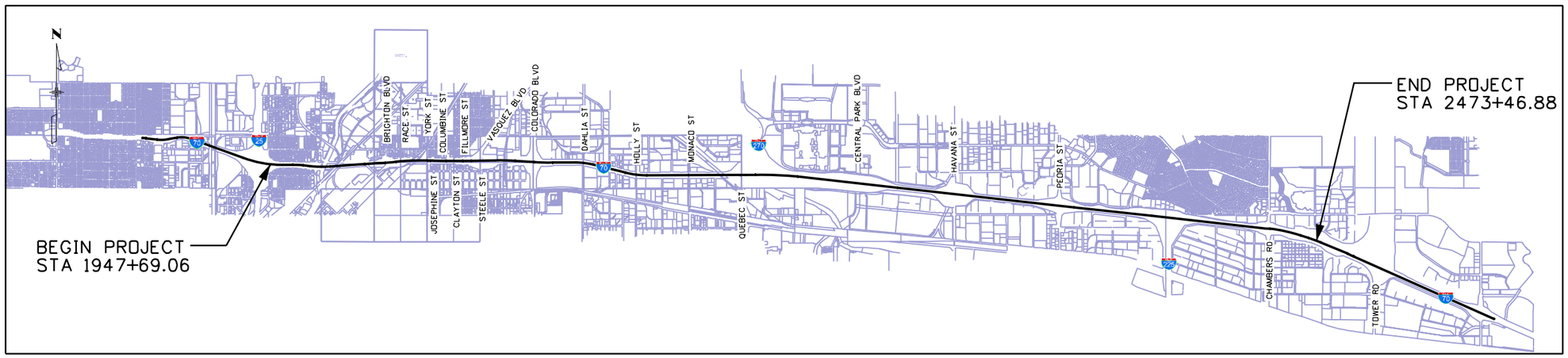
Related Projects:
P. E. UNDER PROJECT: FBR 0704-234
Project Number 19631
Project Code:

R.O.W. Projects:
R.O.W. Project Description
FBR 0704-234, 19631

TABULATION OF DESIGN DATA

DESIGN DATA	I-70 MAINLINE	RAMPS	LOCAL STREETS (2 LANES)	LOCAL STREETS (4 OR 6 LANES)
DESIGN SPEED	60 - 70 MPH	45 - 55 MPH	25 - 35 MPH	35 - 45 MPH
MINIMUM RADIUS	1330 - 2040 FT	643 - 1060 FT	198 - 510 FT	510 - 1039 FT
S.S.D. (LEVEL GRADE)	570 - 730 FT	360 - 495 FT	155 - 360 FT	250 - 360 FT
CLEAR ZONE - MINIMUM	30 FT	16 - 20 FT	N/A	20 FT
CLEAR ZONE - DESIRED	34 FT	18 - 22 FT	N/A	22 FT
SUPERELEVATION (eMAX)	6%	6%	NORMAL CROWN	NORMAL CROWN
GRADE (MAXIMUM)	3% - 4%	4% - 6%	3% - 6%	6%
GRADE (MINIMUM)	0.5% - 0.75%	0.5%	0.5%	0.5%
2012 AADT	247000	15000	7400	33000
DHV % TRUCKS	0.08	0.08	0.1	0.09

APENDIX A - (BINDER 3 OF 13)



PROJECT LOCATION MAP

Kiewit meridiam PARTNERS

Central 70

0' 3,000' 6,000' 12,000'

Contract Information	
Contractor:	
Resident Engineer:	
Project Engineer:	
PROJECT STARTED: / /	ACCEPTED: / /
Comments:	

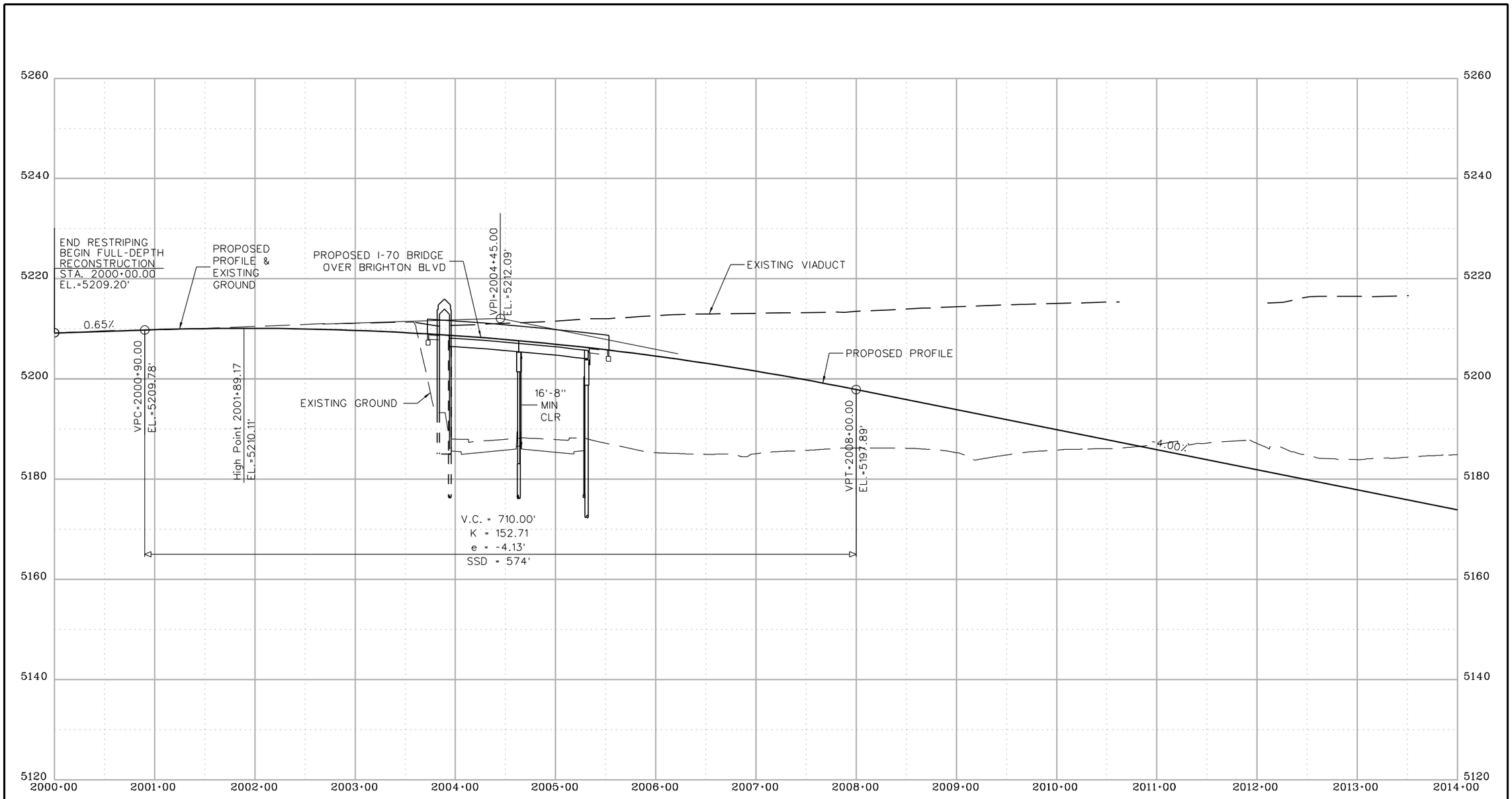
Project No./Code	
FBR 0704-234	
19631	
Sheet Number	1

KMP has provided a full Evaluation Criteria Matrix to align the requirements of the Draft Design Drawings per the Instructions to Proposers with the drawings provided.

	Item	Presented On	Roll Plots	Binder 2 of 13	Binder 3 of 13	Binder 4 of 13	Binder 5 of 13	Binder 6 of 13	CHECK
A. DRAFT ROADWAY DESIGN DRAWINGS	i. General Project roadway information including Project limits, design speeds, functional classification(s), and minimum design values met	Title Sheet for Each Plan Volume		X	X	X	X		☐
	ii. Project horizontal alignments including PI station/location, degree of curve, radius, length of curve, PC and PT (graphical location) and bearings shown on a schematic plan at 1” to 100’, or 1” to 200’ scale and on Plan sheets at 1” to 100’ scale	Alignment Plans		X					☐
	iii. All lanes on mainline ramps and cross streets, including turn lanes	Roadway Plans		X					☐
	iv. Project planimetrics including curbs and barriers, driveways and edge of pavement	Roadway Plans		X					☐
	v. Bridge locations and limits, bridge types, foundation types, controlling vertical clearances, and span arrangements	Bridge Plans				X			☐
	vi. Preliminary wall types, proposed locations and limits for retaining walls	Retaining Wall Location Plans				X			☐
	vii. Approximate locations of proposed site access and borrow and waste sites	Roll Plot	X						☐
	viii. Directional arrows indicating the number of lanes	Roadway Plans		X					☐
	ix. Proposed right-of-way (ROW) limits and control of access limits including any Additional Right-of-Way and any Temporary Properties that, in each case, Proposer has identified as necessary to implement its Proposal	Roadway Plans		X					☐
	x. Existing/natural ground and project and vertical alignments including vertical clearance, grades, VPI station, vertical curve length and K-values shown on profiles at a scale of horizontal - 1” = 100’ and vertical - 1” = 20”	Roadway Profiles			X				☐
	xi. Typical sections including existing ground, pavement cross slope, super-elevation, lane and shoulder widths, and slope ratio for fills and cuts, drainage and ditches, legend of material types and thicknesses	Typical Sections		X					☐
	xii. Cross sections of the mainline at a spacing of 1,000 ft. and at a scale of 1” = 50’ (horizontal and vertical)	Cross Sections				X			☐
	xiii. Location and text of the large guide signs	Roll Plot	X						☐

	Item	Presented On	Roll Plots	Binder 2 of 13	Binder 3 of 13	Binder 4 of 13	Binder 5 of 13	Binder 6 of 13	CHECK
B. DRAFT DRAINAGE DRAWINGS	i. Location of major drainage elements including trunk lines and cross culverts	Drainage Plans			X				☐
	ii. Outfall locations	Drainage Plans			X				☐
	iii. Water quality features including detention and retention structures	Drainage Plans			X				☐
	iv. Connections to existing systems	Drainage Plans			X				☐
C. DRAFT COVER AND SWANSEA ELEMENTARY SCHOOL LANDSCAPE AND AESTHETIC DESIGN DRAWINGS	i. Urban design plans, which shall be consistent with the requirements therefor specified in Section 14 (*Landscaping and Aesthetics*) of Schedule 10 (*Design and Construction Requirements*) to the Project Agreement, excluding the visual renderings otherwise required by Section 14.5.5.e of Schedule 10 (*Design and Construction Requirements*) to the Project Agreement	Urban Design Plans and Landscape Narrative					X		☐
	a. Narrative of the Developer's design process to be completed and approach to achieving the vision set forth for the space both in program and character.	Urban Design Narrative					X		☐
	b. Narrative and plans that outline the opportunities and constraints in the design and construction Elements.	Urban Design Narrative; Cover Landscaping Detail Plans					X		☐
	c. Narrative and plans for the cross streets, Columbine, Clayton, and 46th Avenue, depicting the character and context of how they relate to the Cover and Swansea Elementary School outdoor areas landscaping and aesthetic designs.	Urban Design Narrative; Cover Landscaping Detail Plans					X		☐
	d. Narrative and plans related to the coordination and integration of other disciplines including structures, the Cover MEP System, drainage, roadway, utilities, and lighting.	Urban Design Narrative; Cover Structure and Systems Plans					X		☐
	e. The Developer shall provide visual renderings that show the proposed designs.	Not Required for Proposal							☐
	f. The Developer's Preliminary Landscape and Aesthetics Plans shall include plans, elevations, sections, perspectives, isometric drawings, details, etc., as necessary to fully convey the proposed Cover and Swansea Elementary School outdoor areas landscape and urban designs including color and texture applications; drawings, tables and schedule that show where specific Elements are located; and plant palette schedules, size, number, location of trees, shrub beds, accent beds, and planning types.	Cover Landscaping Detail Plans					X		☐
	g. The Developer's landscape and aesthetics work shall include underground permanent irrigation systems to maintain plant material in accordance with DPR Planning, Design + Construction Standards.	Cover Landscaping Detail Plans					X		☐
	ii. Materials and layout details for each of the program Element requirements identified in Schedule 10B (Contract Drawings) to the Project Agreement	Cover Landscaping Detail Plans					X		☐
	iii. Grading and drainage plans	Cover Landscaping Detail Plans					X		☐
	iv. Preliminary landscape, irrigation and aesthetics plans, which shall be consistent with the requirements therefor specified in Section 14 (Landscaping and Aesthetics) of Schedule 10 (Design and Construction Requirements) to the Project Agreement	Cover Landscaping Detail Plans					X		☐
	v. Section elevations depicting the proposed surface topography and key site Elements	Cover Landscaping Detail Plans					X		☐

	Item	Presented On	Roll Plots	Binder 2 of 13	Binder 3 of 13	Binder 4 of 13	Binder 5 of 13	Binder 6 of 13	CHECK
D. DEWATERING PLAN	Draft dewatering design and/or, if and to the extent water will be treated on-site, a Draft Remedial Management Plan (a "RAMP") that meets CDPHE requirements for the Construction Period and Operating Period	Draft Remediation Activities Management Plan						X	☐
E. GOVERNMENT APPROVALS	Identification of alignments or other elements proposed by Proposer's schematic to the extent they will require an evaluation for compliance with existing Governmental Approvals and possibly re-evaluations and delays associated with such re-evaluations.	Design Approvals						X	☐



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

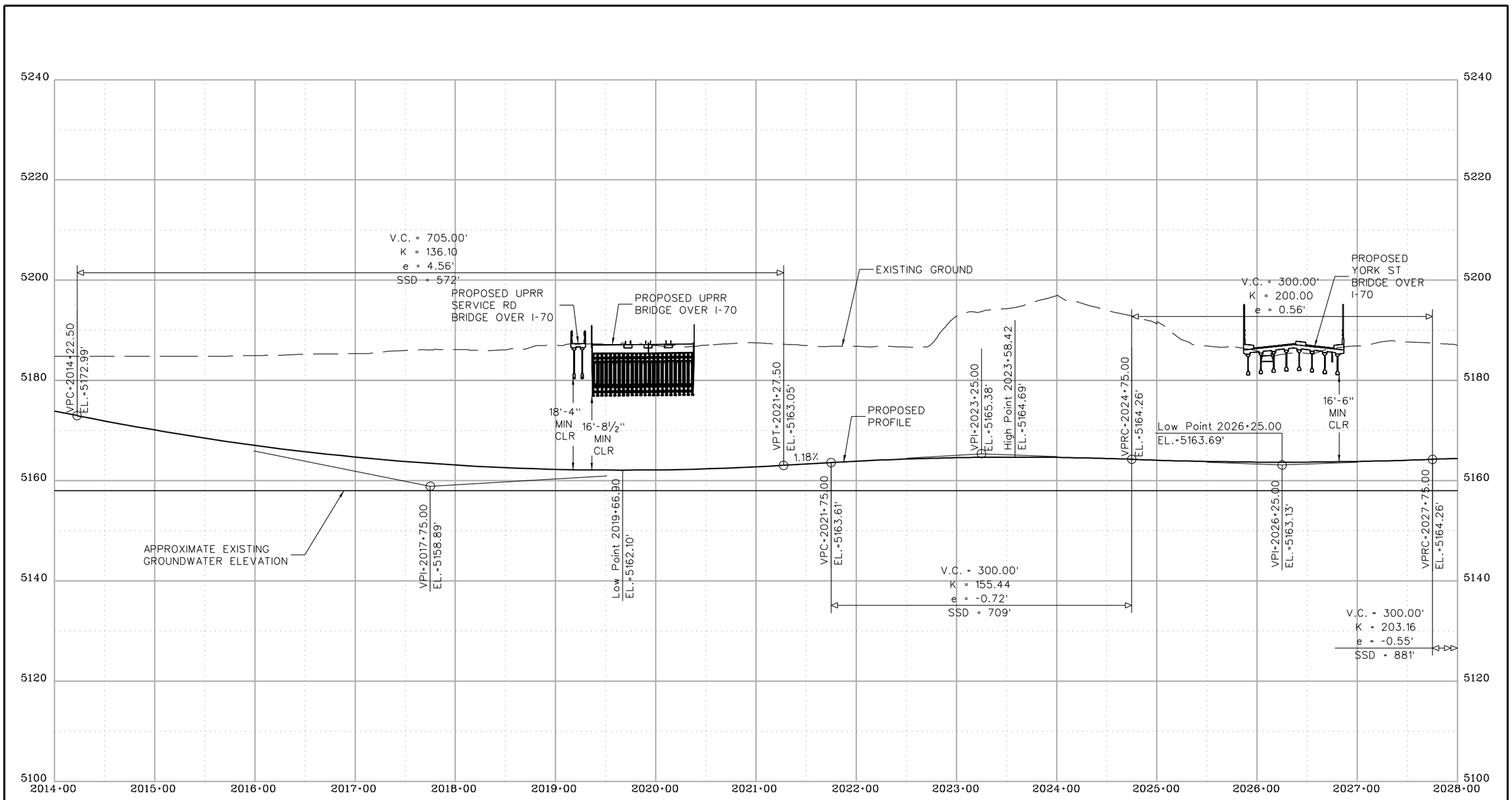
CENTRAL 70 MAINLINE PROFILE STA 2000+00 TO STA 2014+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	5 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 05



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

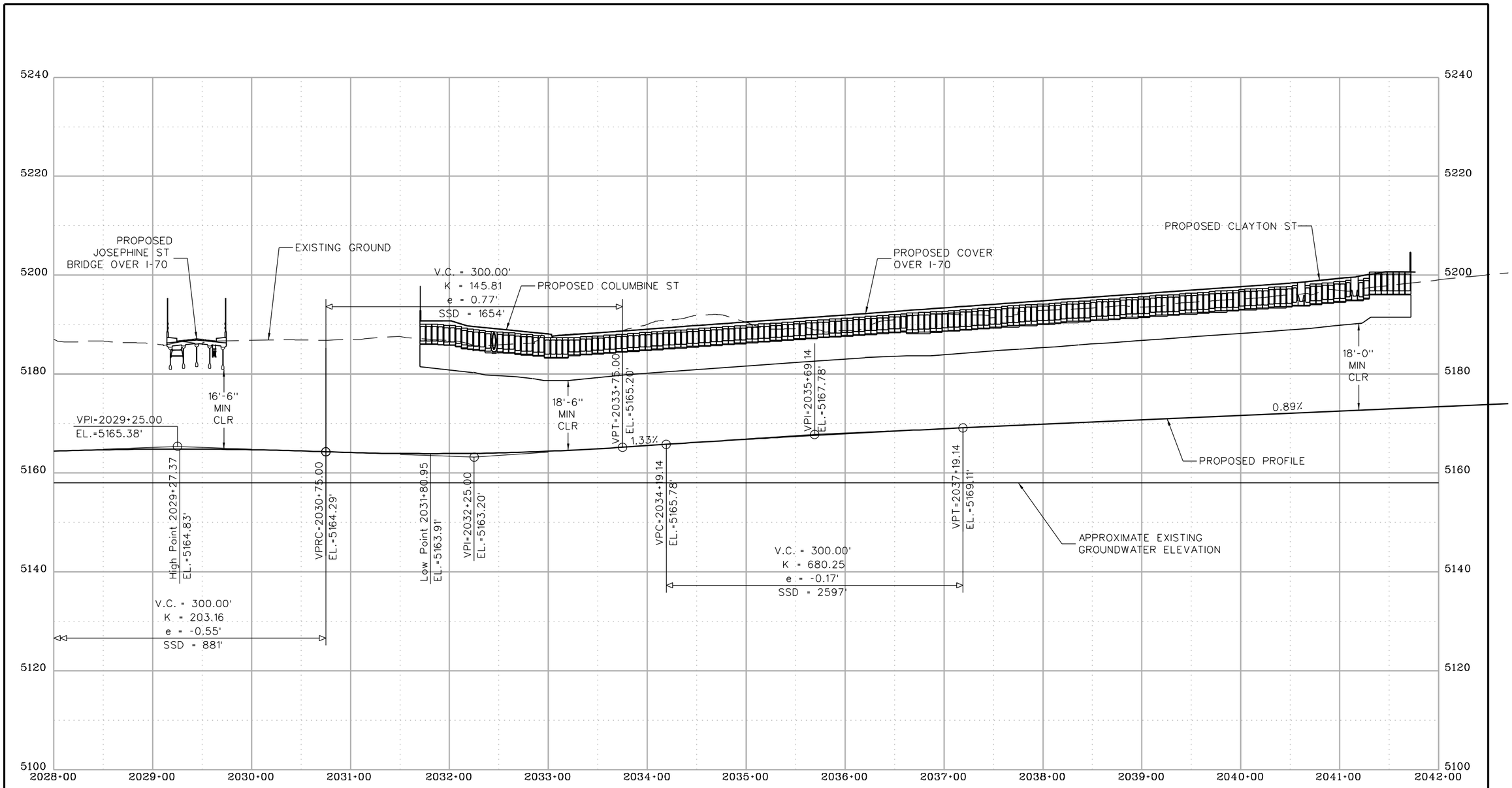
CENTRAL 70
MAINLINE PROFILE
STA 2014+00 TO STA 2028+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	6 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 06



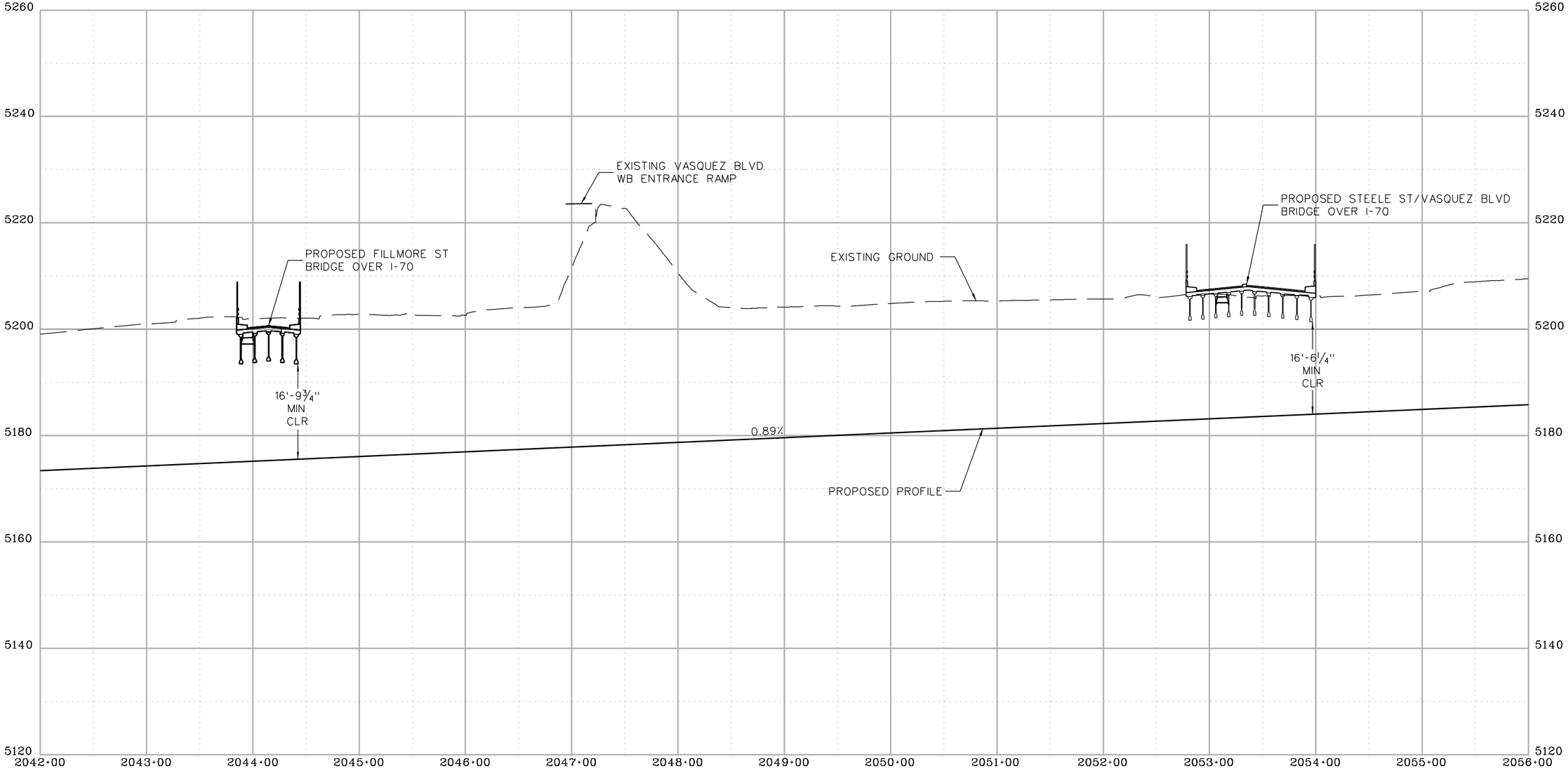
Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 MAINLINE PROFILE STA 2028+00 TO STA 2042+00			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets:	7 of 125	Sheet Number 07

Heidenreich 2:17:41 PM pw:\\projectwise.pbid.com:pwiseVBN\Documents\Central 70\Design\Drawings\11X17 Sheets (Appendix A)\135999DES_PROF-Plan07.dgn



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

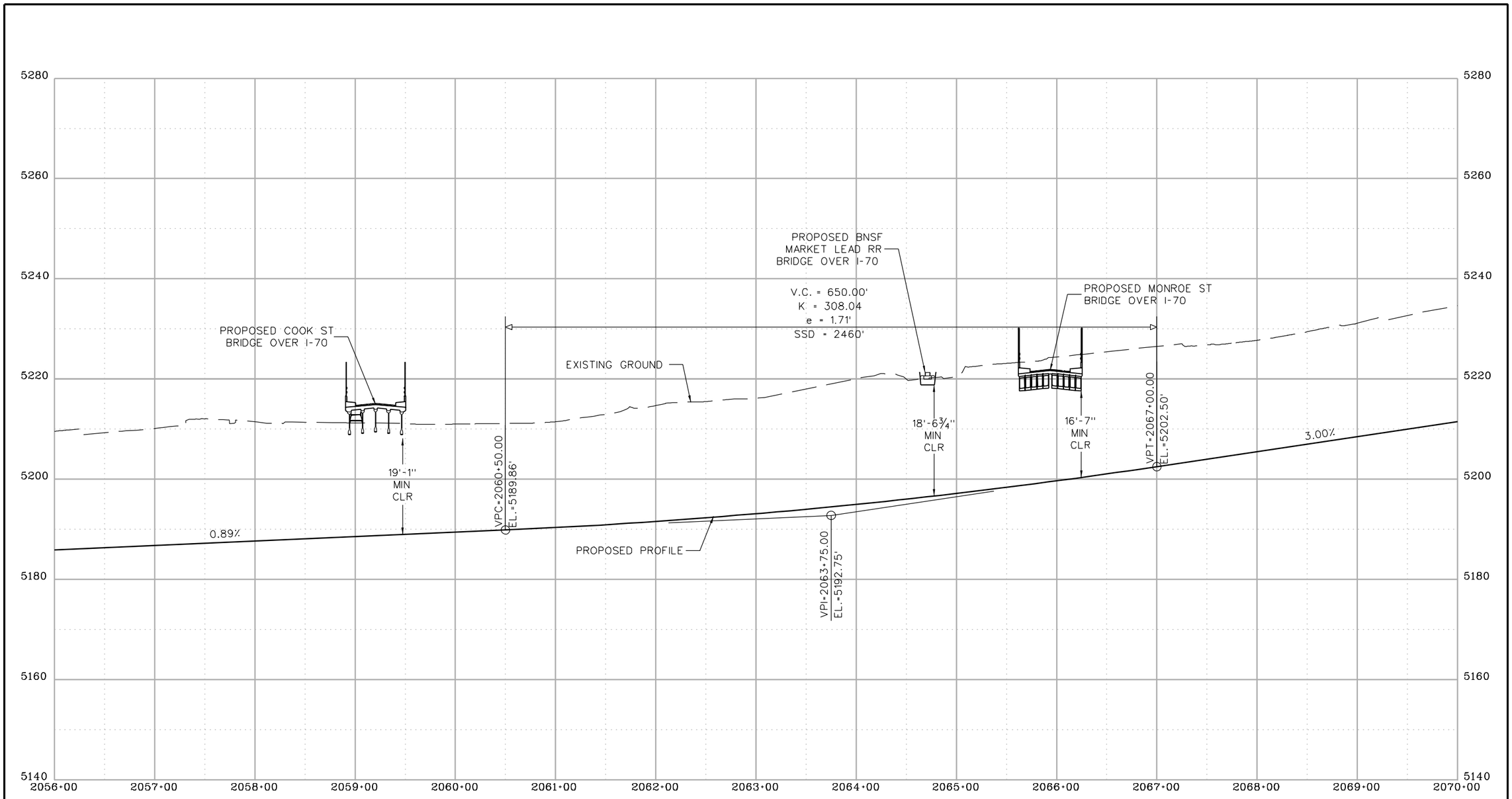
CENTRAL 70
MAINLINE PROFILE
STA 20242+00 TO STA 2056+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	8 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 08



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

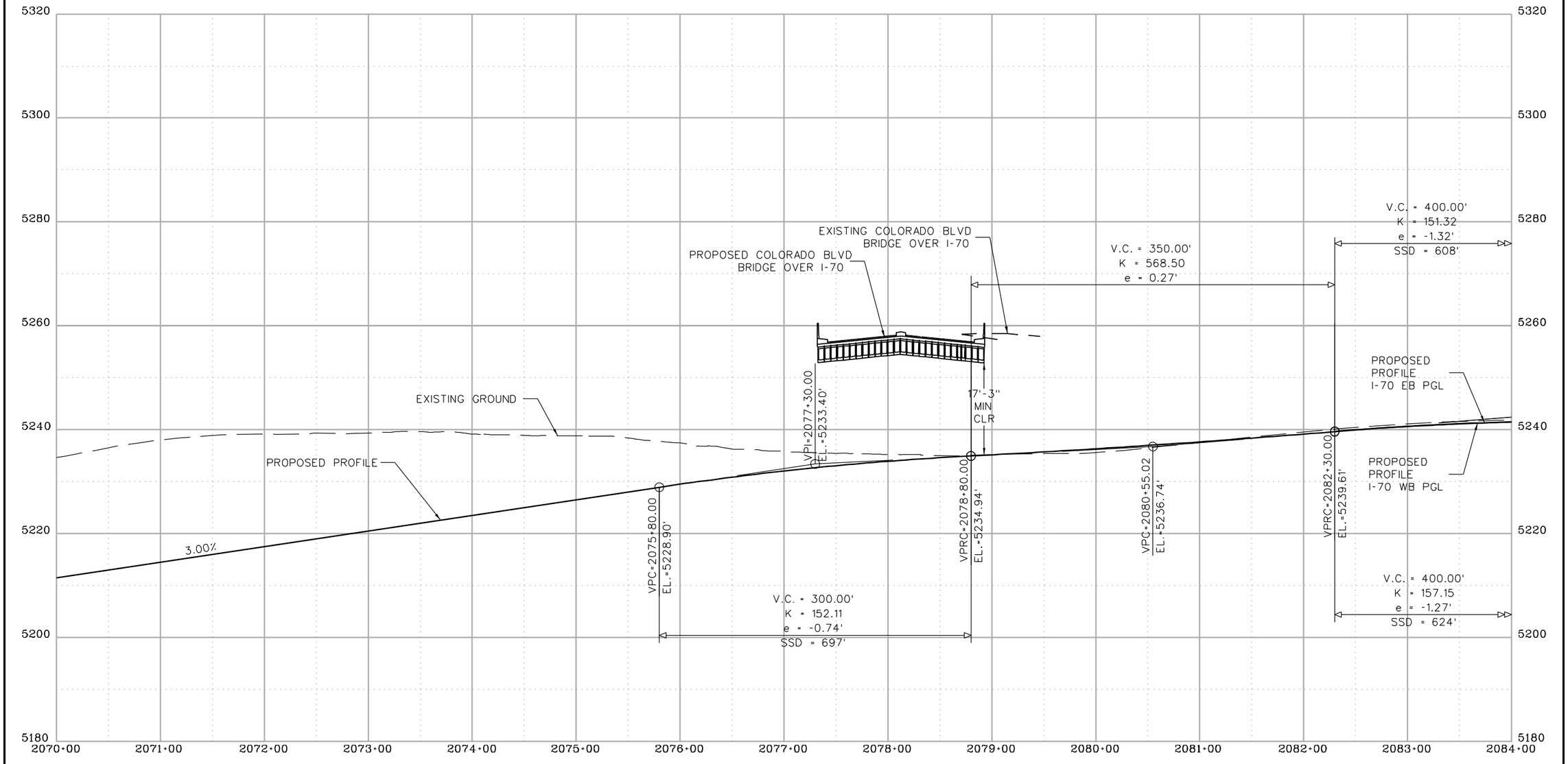
CENTRAL 70
MAINLINE PROFILE
STA 2056+00 TO STA 2070+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	9 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 09



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

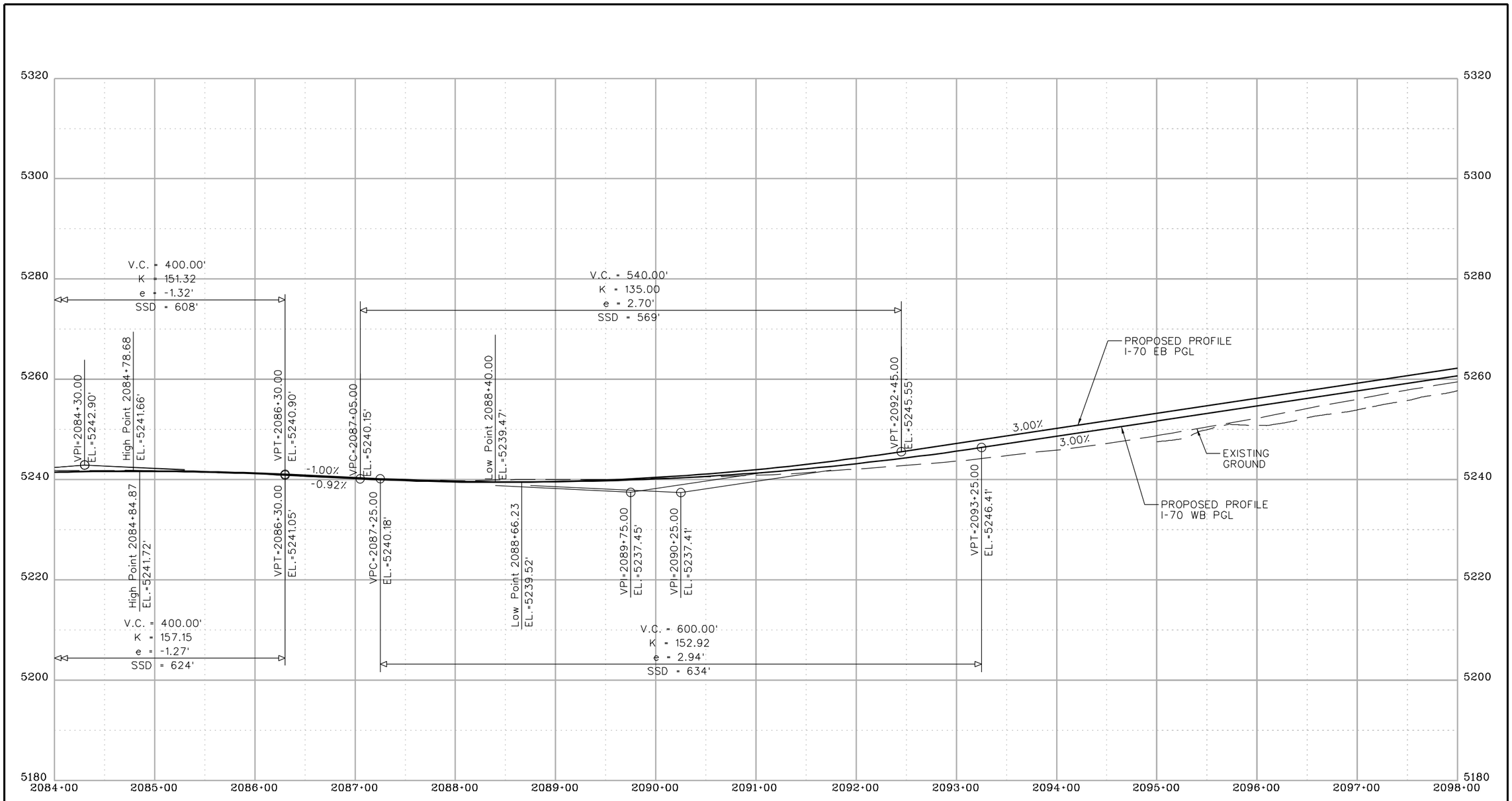
CENTRAL 70
MAINLINE PROFILE
STA 2070+00 TO STA 2084+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	10 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 10



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

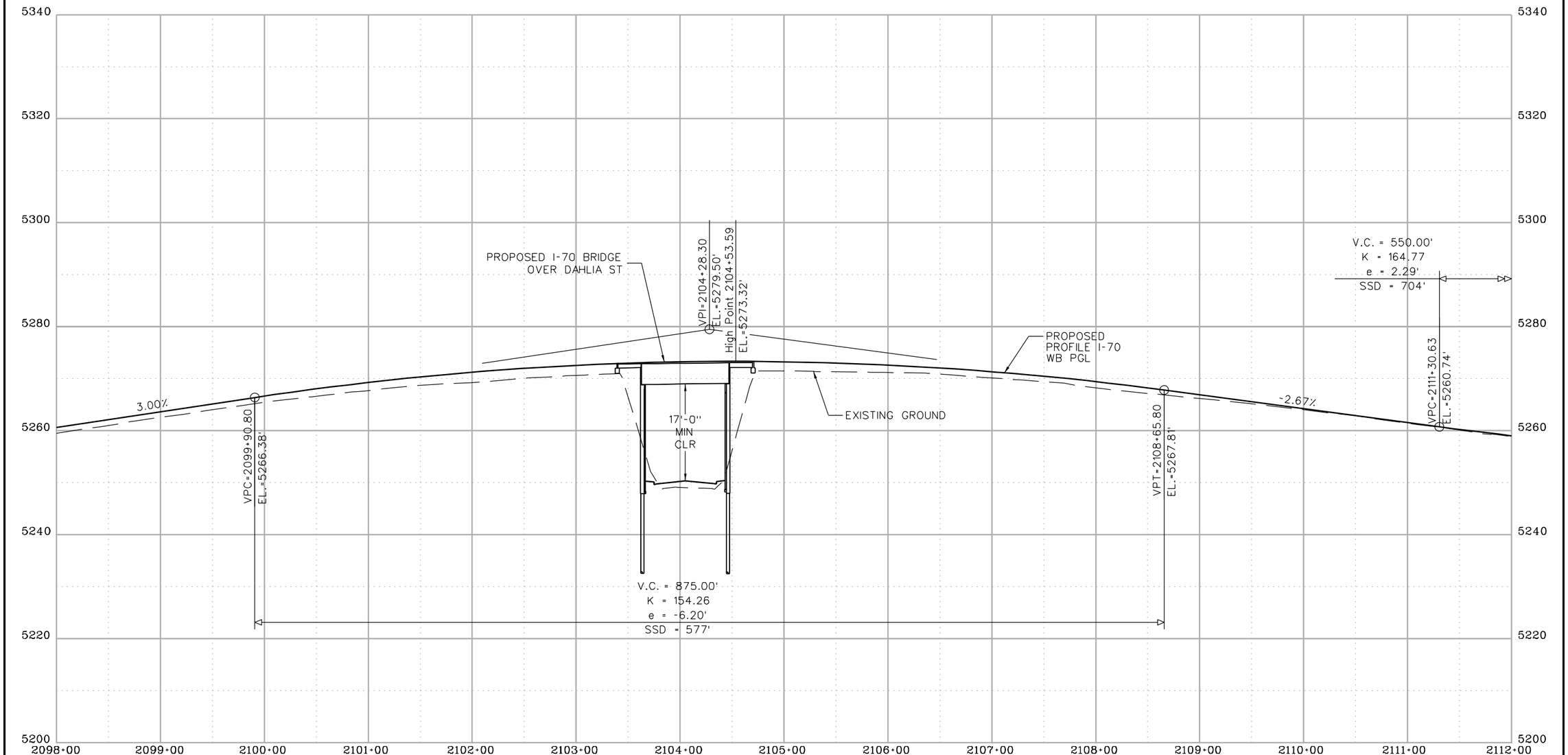
CENTRAL 70
MAINLINE PROFILE
STA 2084+00 TO STA 2098+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	11 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 11



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

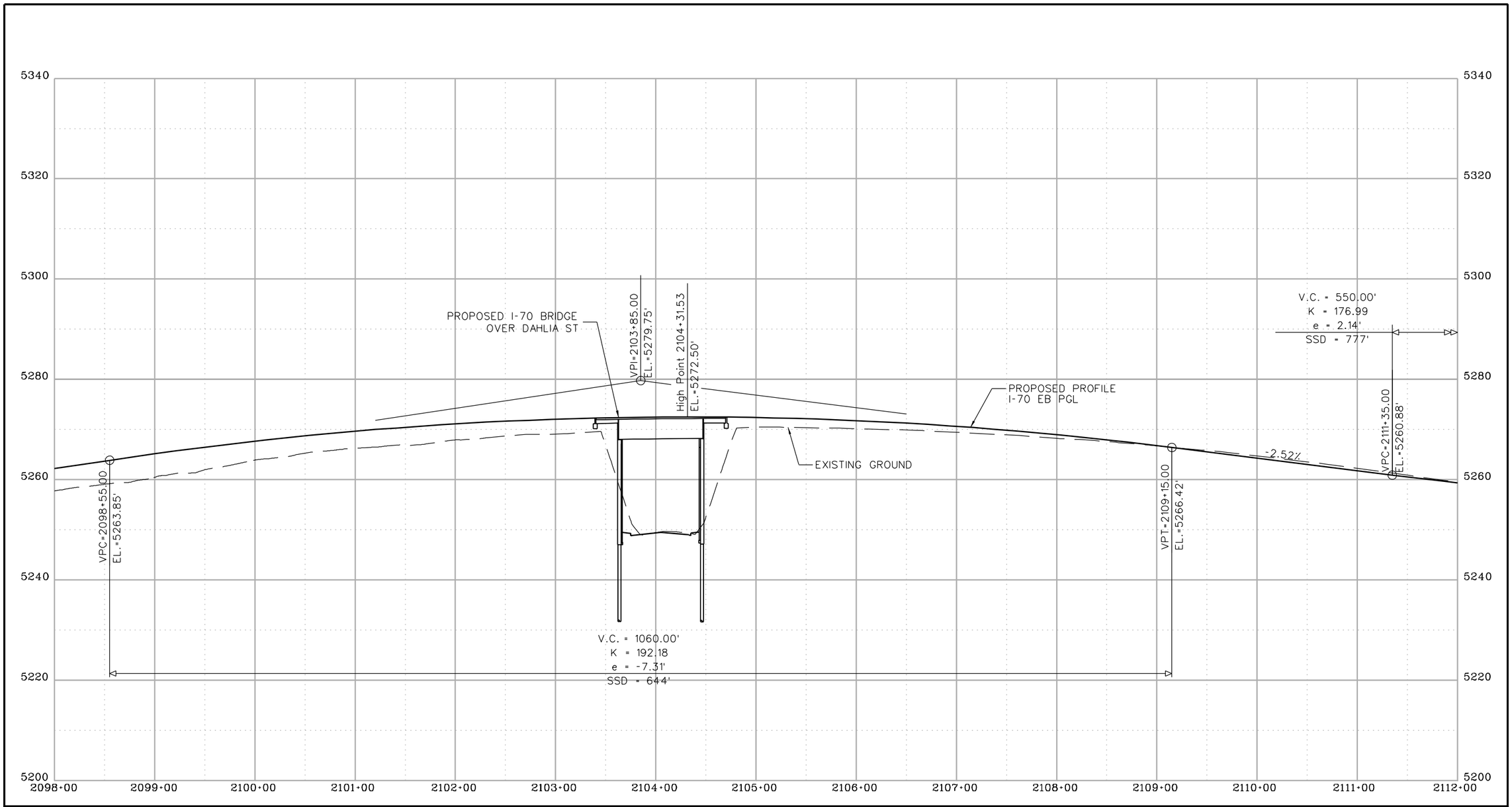
CENTRAL 70
MAINLINE PROFILE I-70 WB PGL
STA 2098+00 TO STA 2112+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	12 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 12



Kiewit meridiam PARTNERS

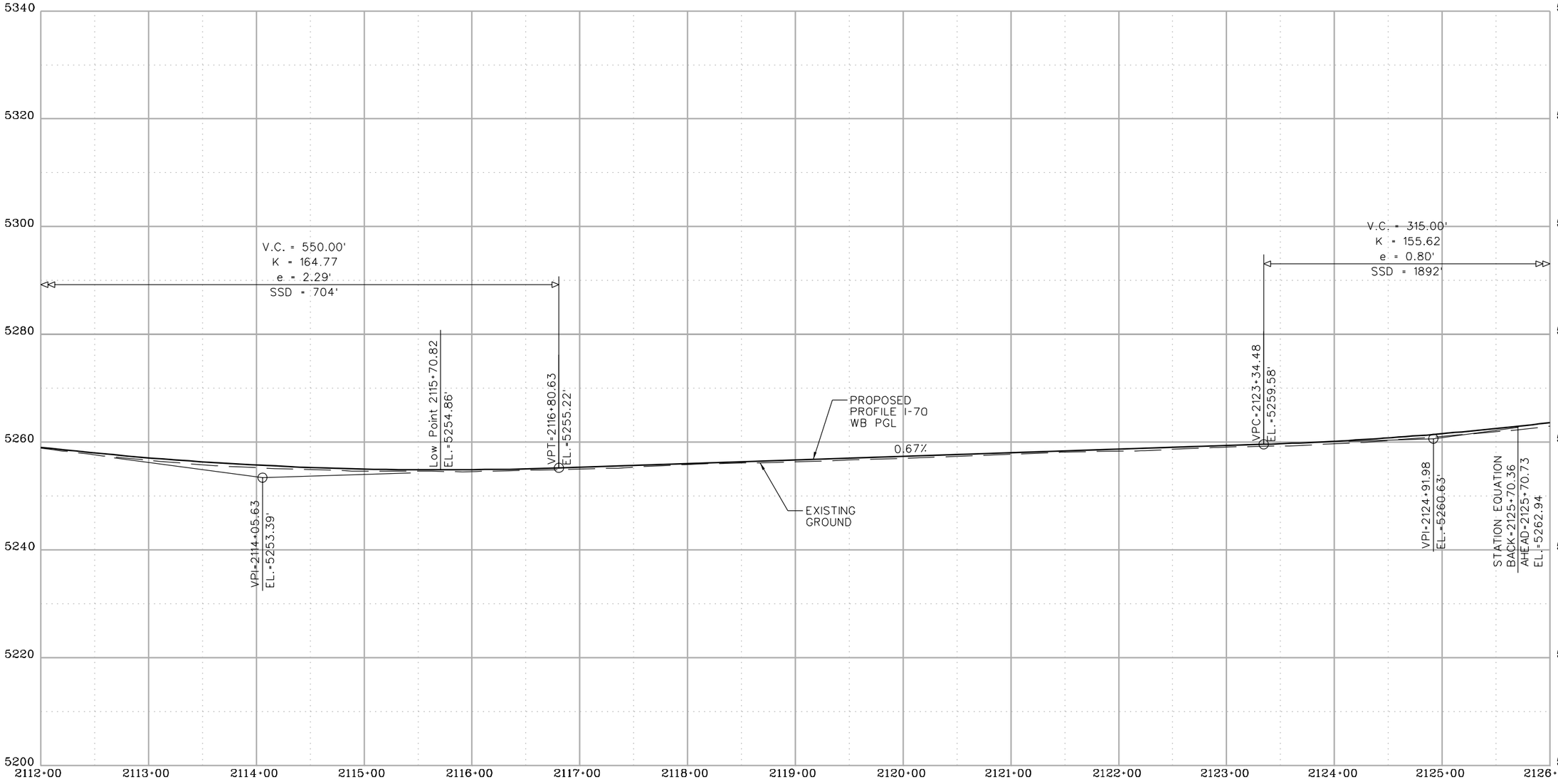
Central 70

0' 50' 100' 200'

CENTRAL 70
MAINLINE PROFILE I-70 EB PGL
STA 2098+00 TO STA 2112+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	13 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 13



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

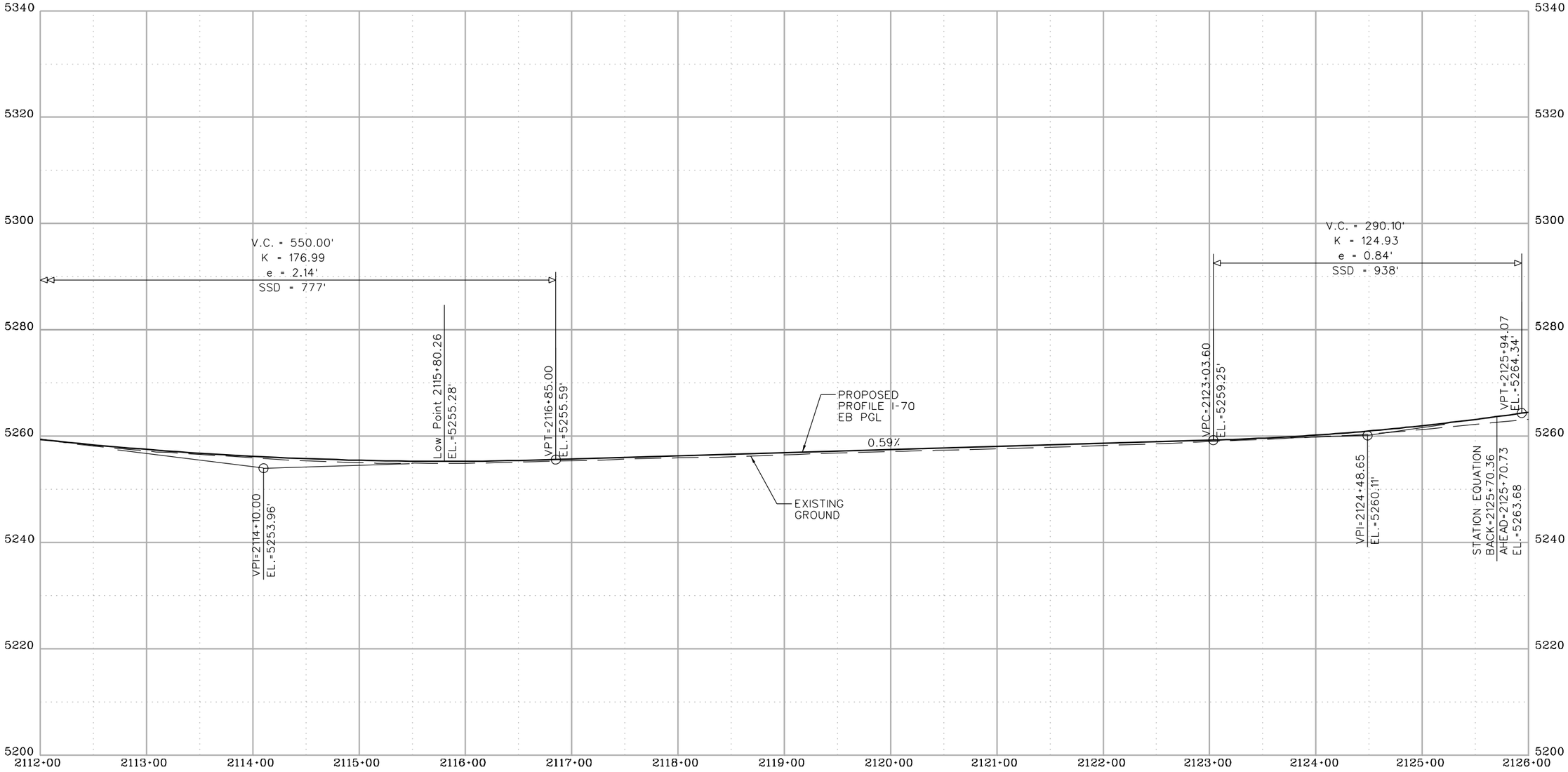
CENTRAL 70
MAINLINE PROFILE I-70 WB PGL
STA 2112+00 TO STA 2126+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	14 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 14



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

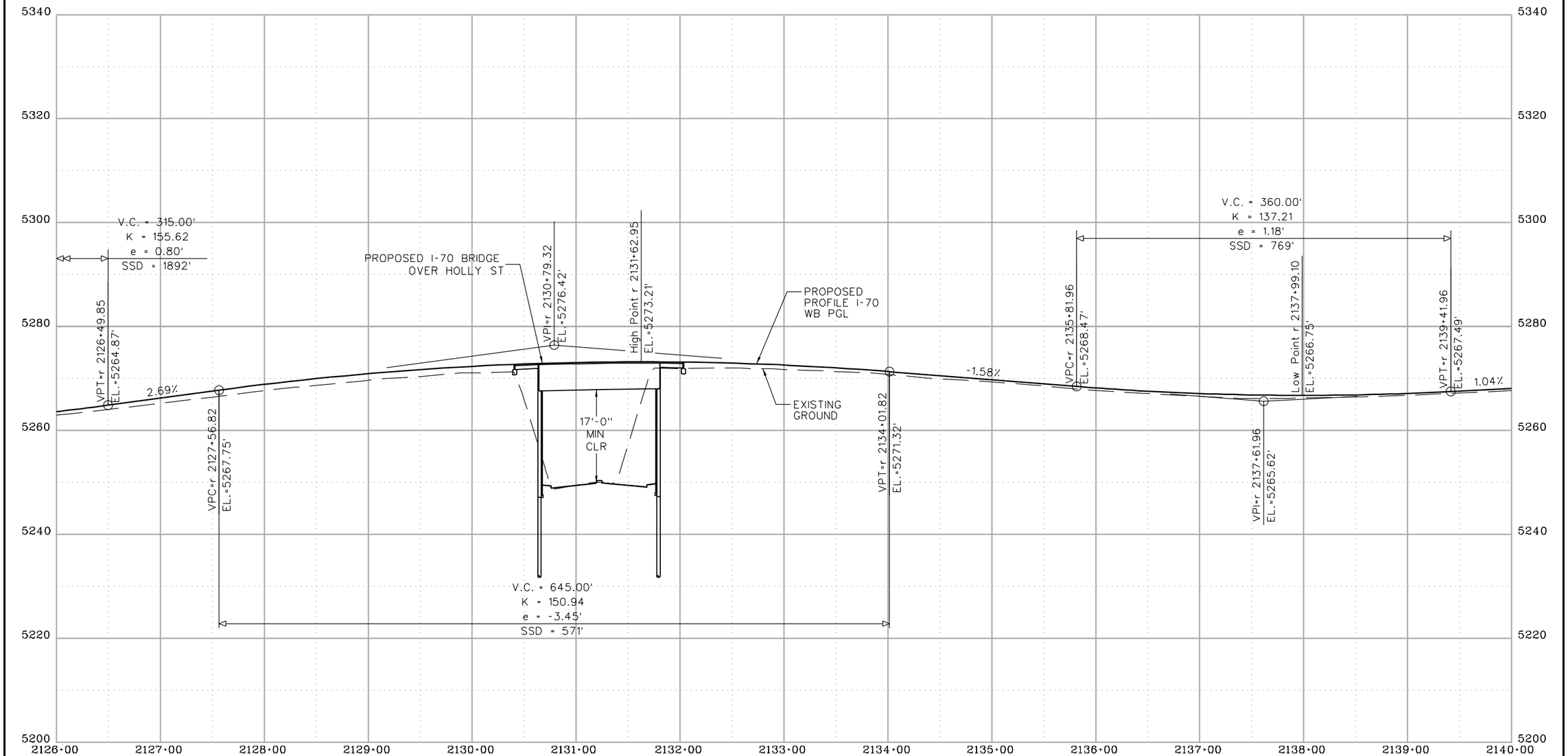
CENTRAL 70
MAINLINE PROFILE I-70 EB PGL
STA 2112+00 TO STA 2126+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	15 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 15



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

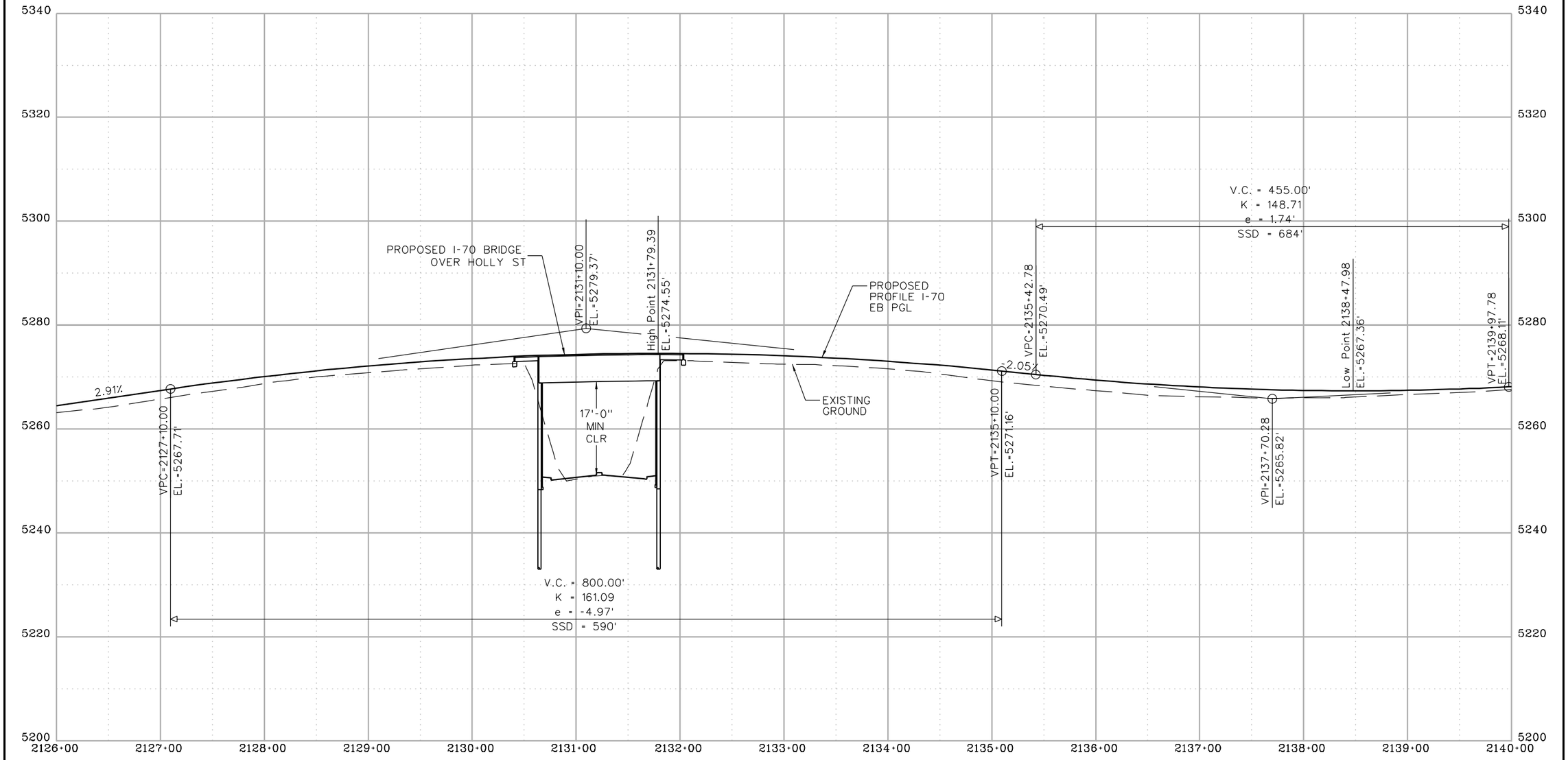
CENTRAL 70
MAINLINE PROFILE I-70 WB PGL
STA 2126+00 TO STA 2140+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	16 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 16



Kiewit meridiam PARTNERS

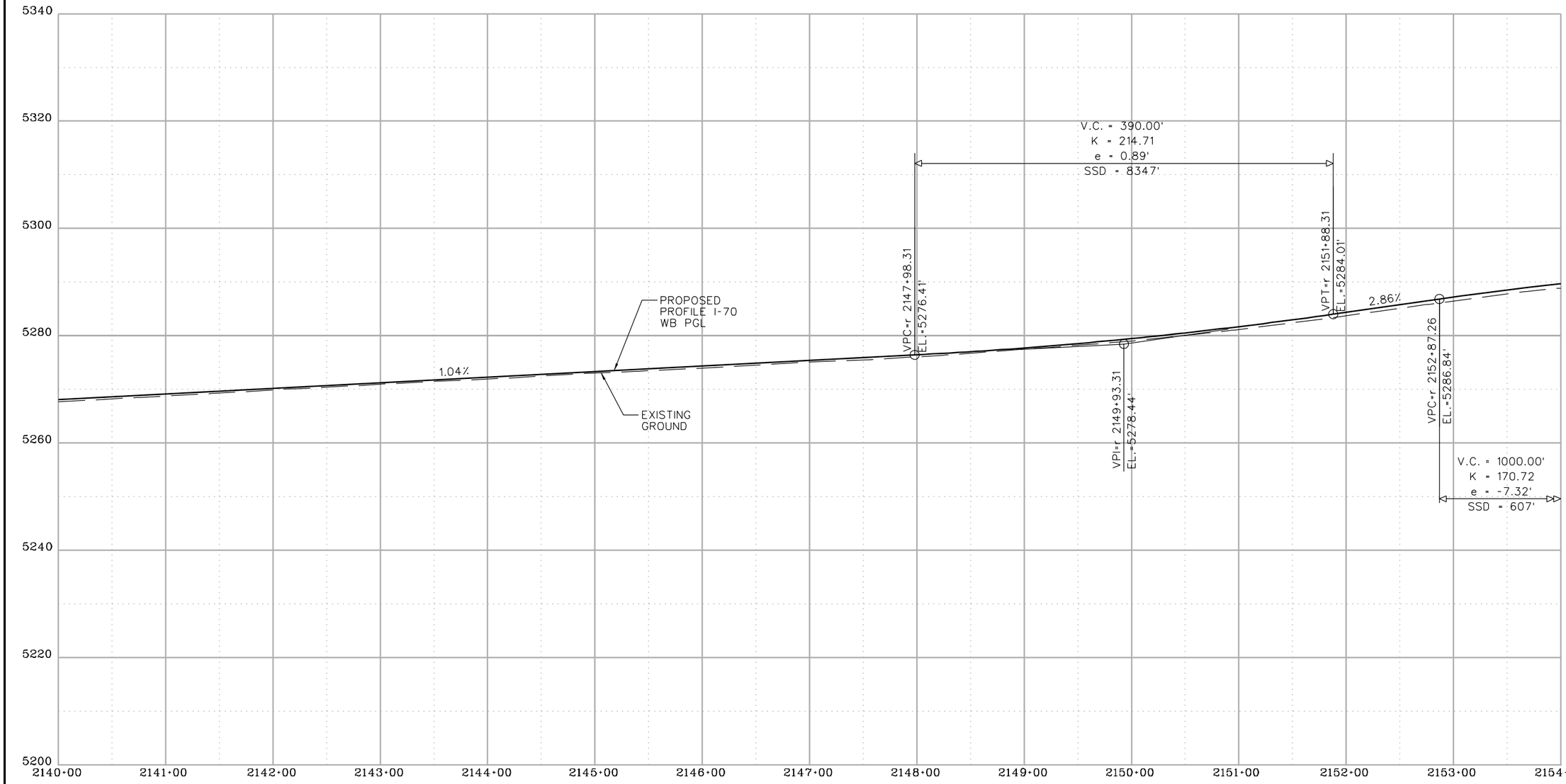
Central 70

0' 50' 100' 200'

CENTRAL 70
MAINLINE PROFILE I-70 EB PGL
STA 2126+00 TO STA 2140+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	17 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 17



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

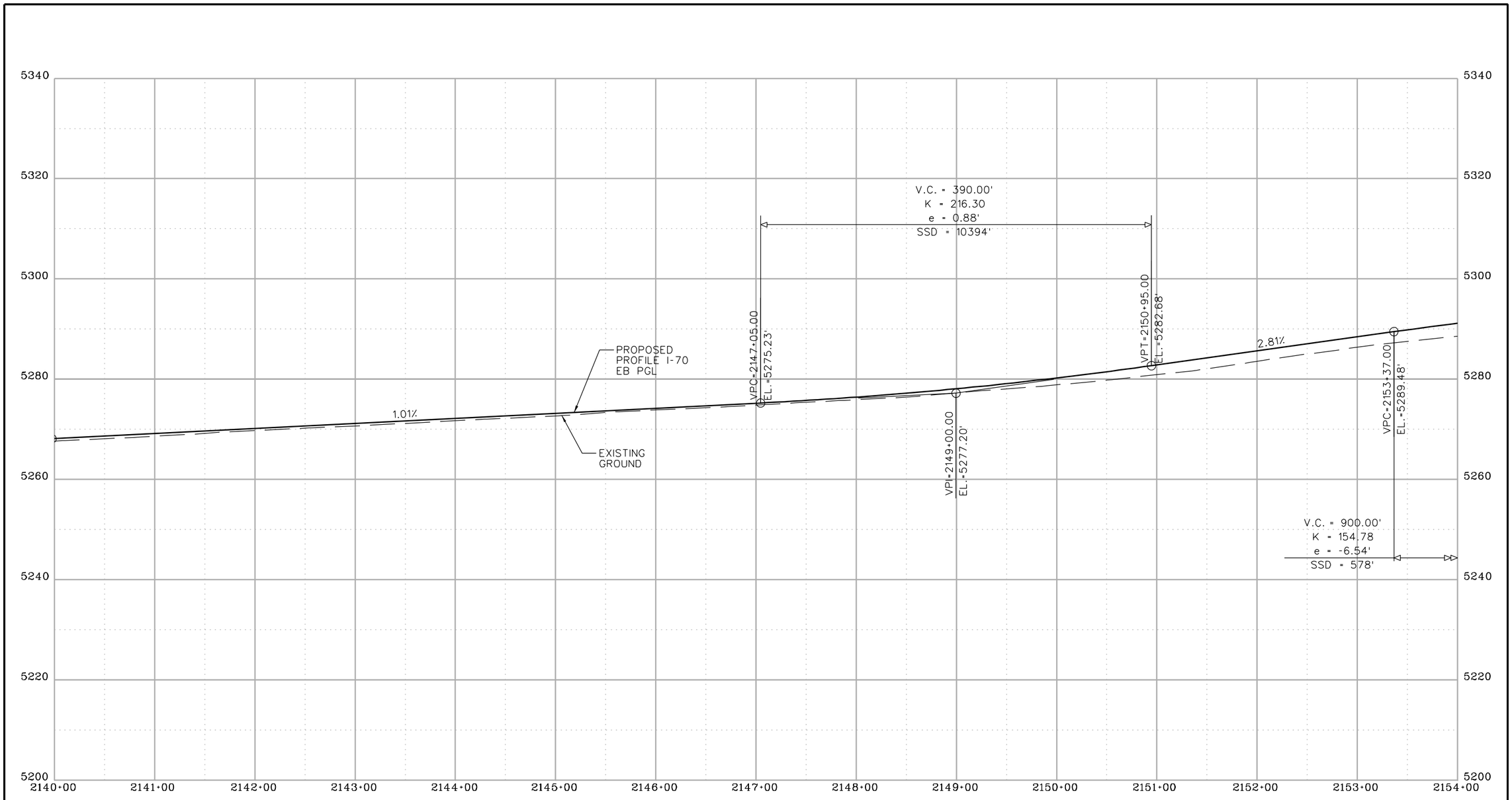
CENTRAL 70
MAINLINE PROFILE I-70 WB PGL
STA 2140+00 TO STA 2154+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	18 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 18

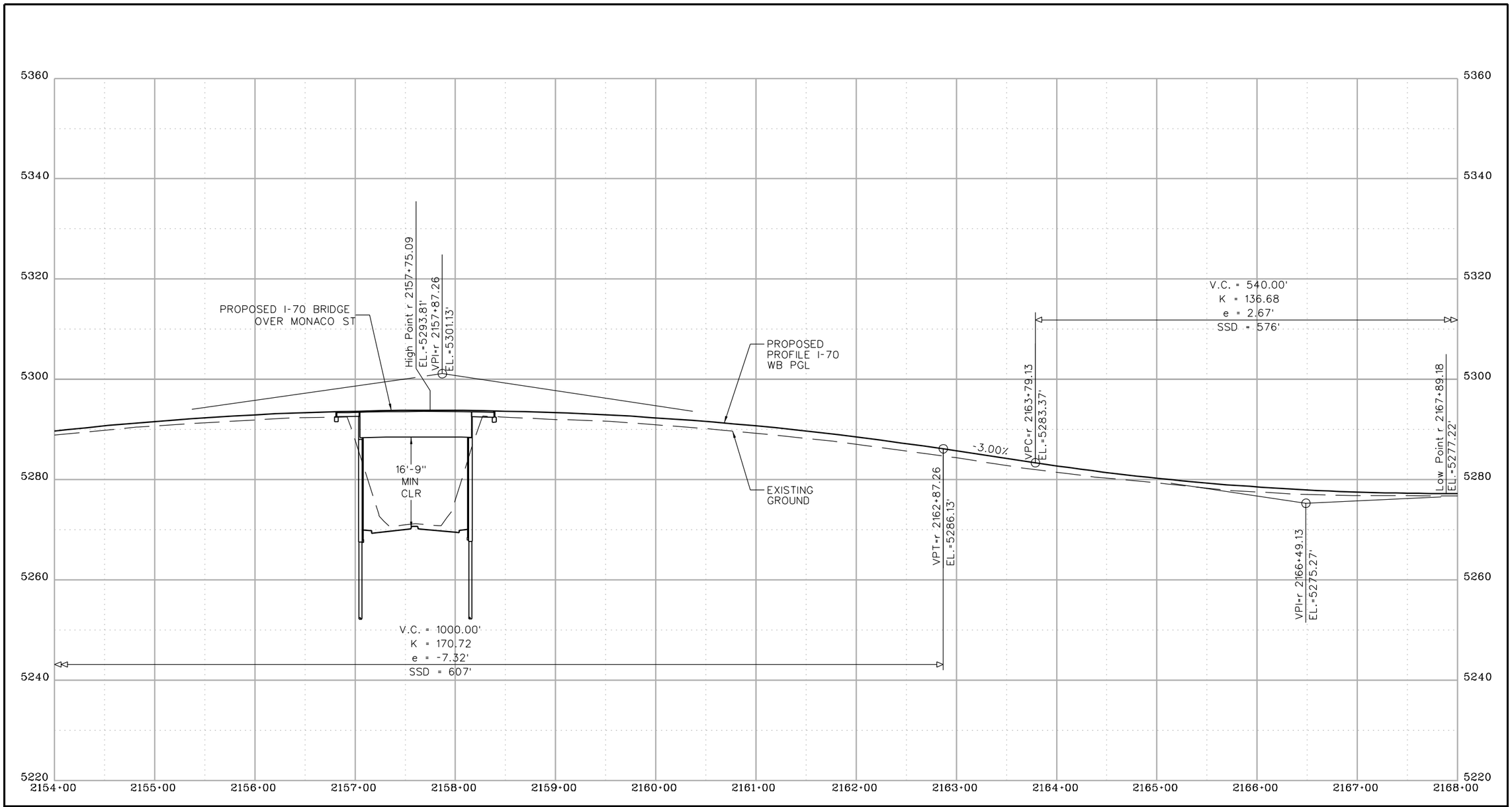


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 MAINLINE PROFILE I-70 EB PGL STA 2140+00 TO STA 2154+00			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets: 19 of 125		Sheet Number 19



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

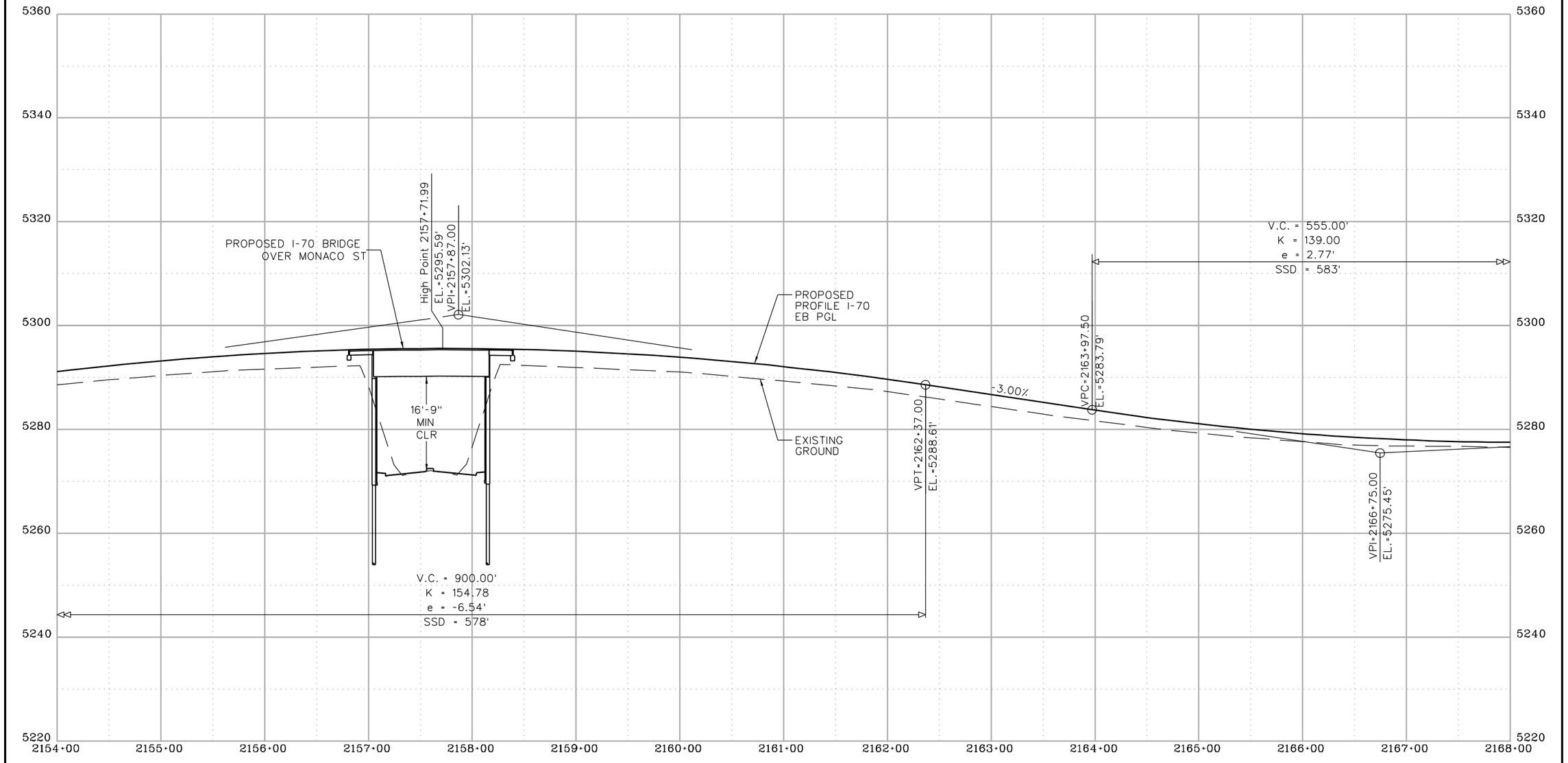
CENTRAL 70
MAINLINE PROFILE I-70 WB PGL
STA 2154+00 TO STA 2168+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	20 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 20



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

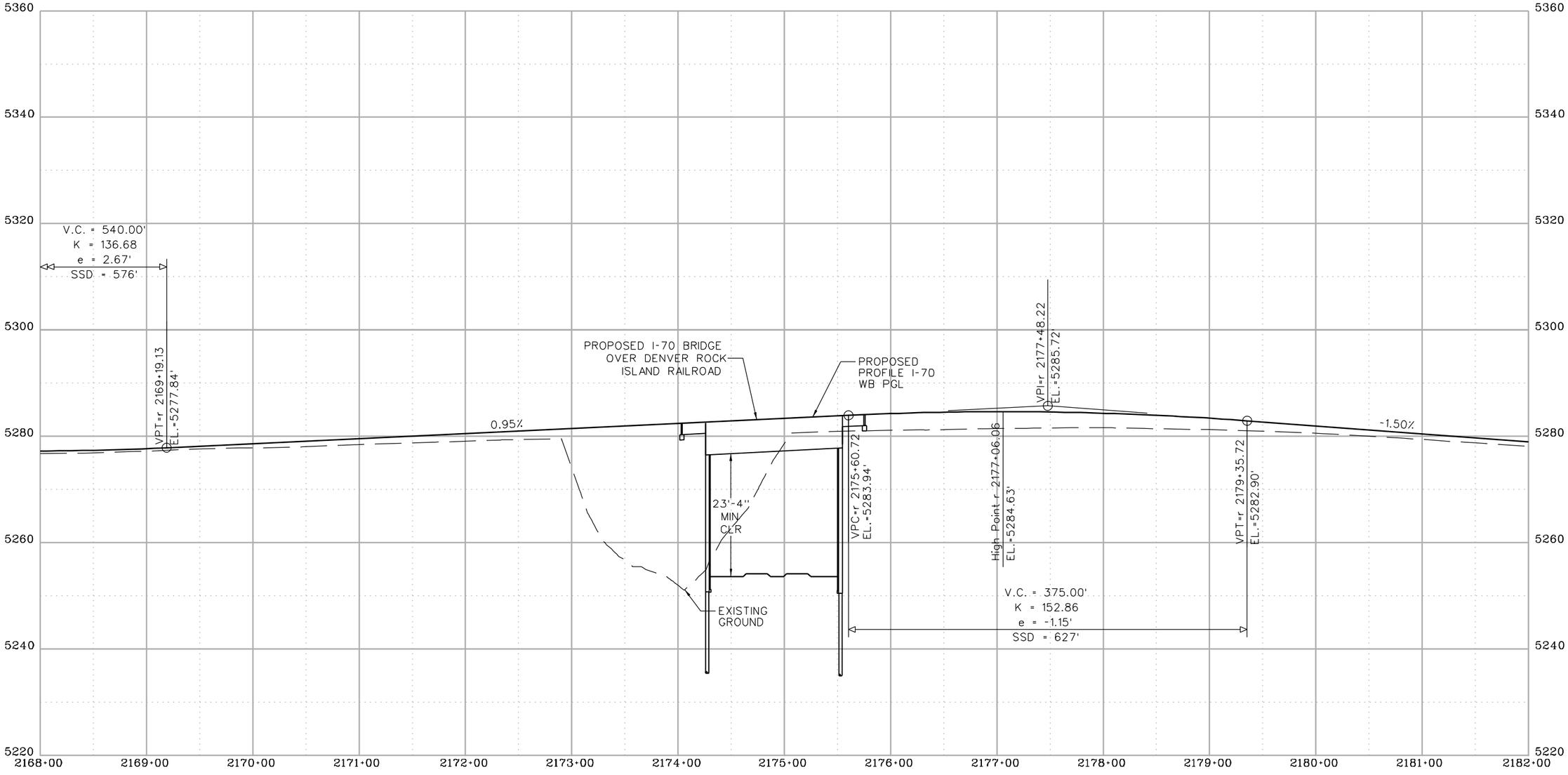
CENTRAL 70
MAINLINE PROFILE I-70 EB PGL
STA 2154+00 TO STA 2168+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	21 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 21



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

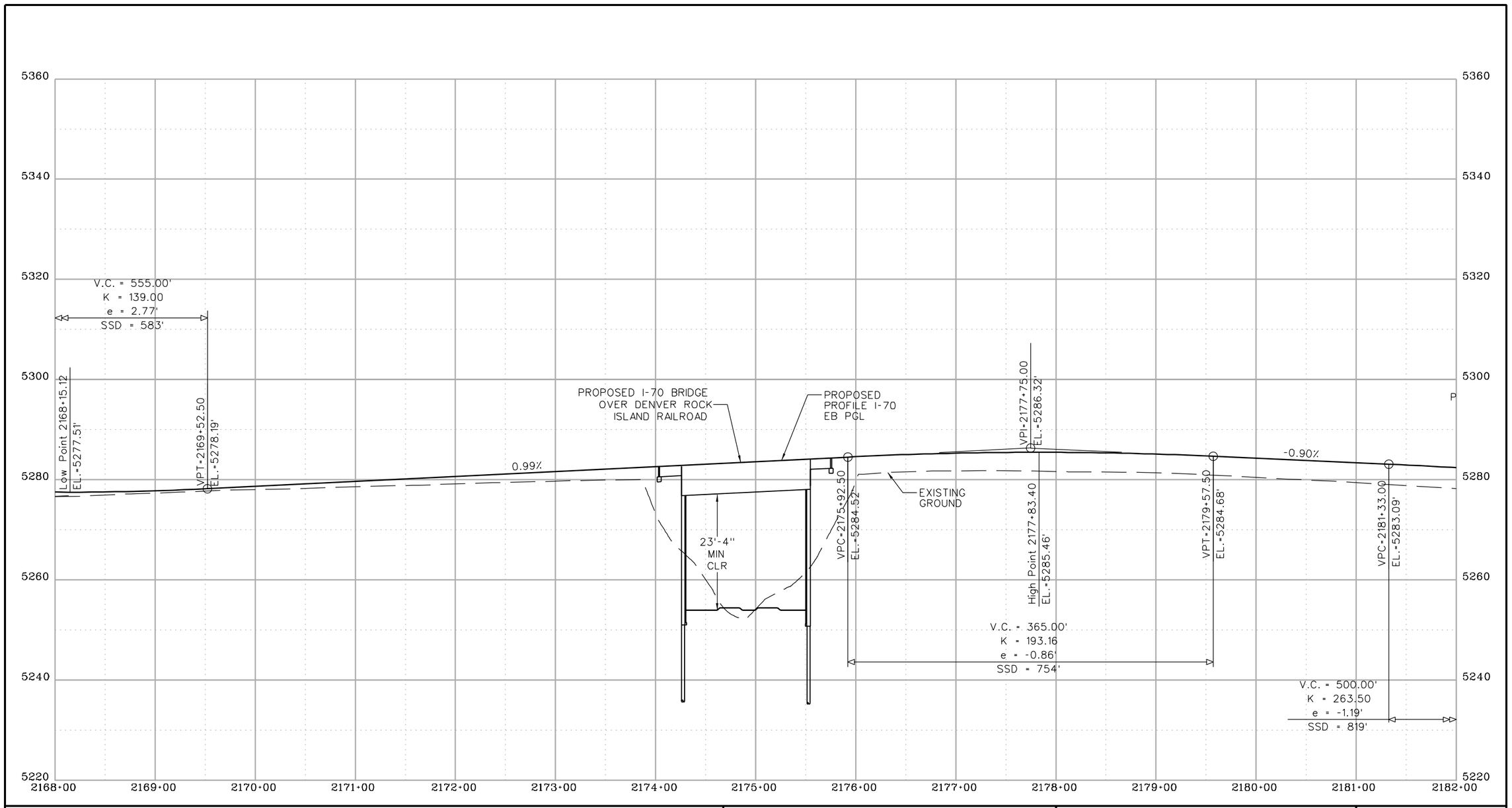
CENTRAL 70
MAINLINE PROFILE I-70 WB PGL
STA 2168+00 TO STA 2182+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	22 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 22



Kiewit meridiam PARTNERS

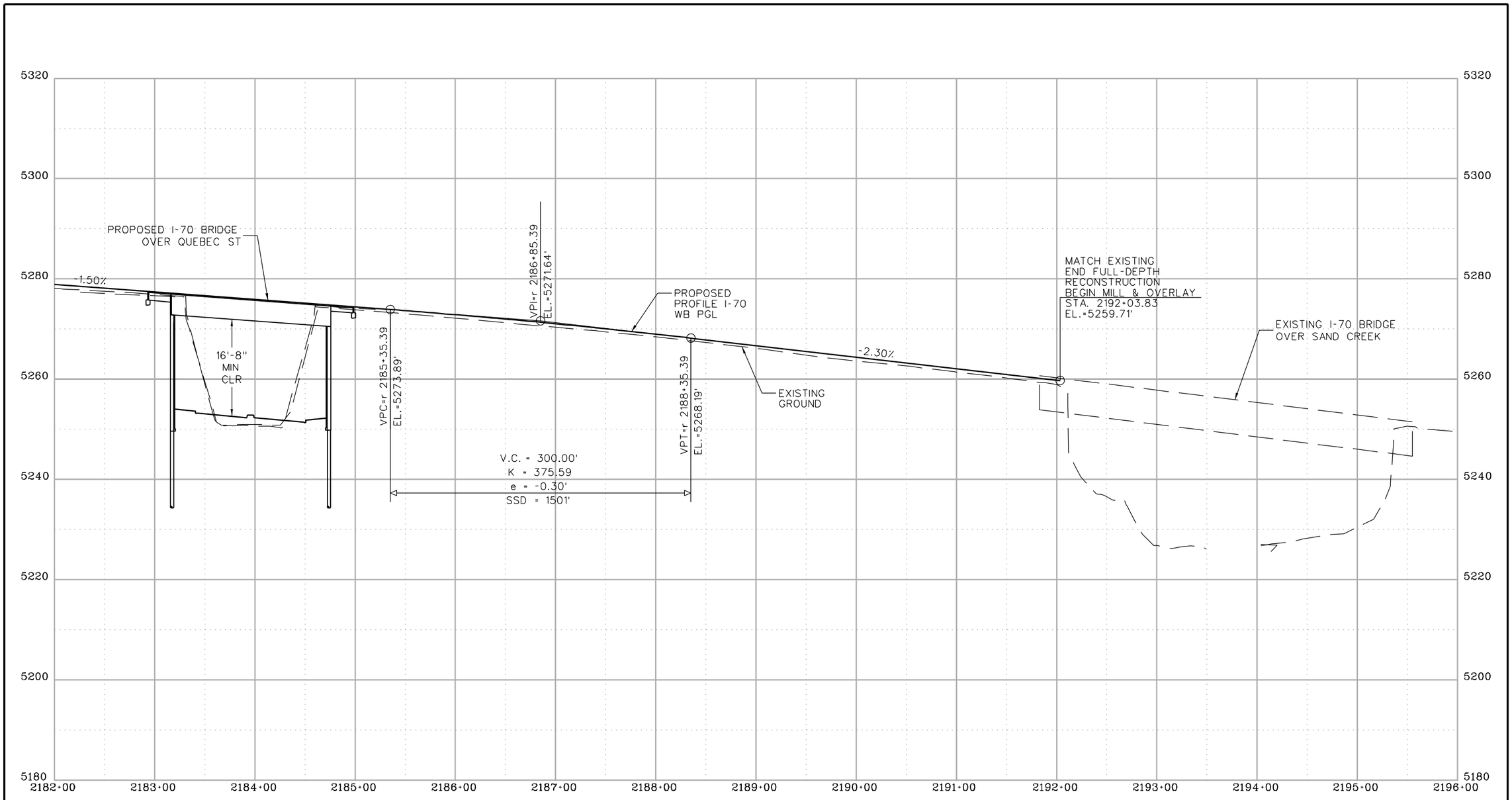
Central 70

0' 50' 100' 200'

CENTRAL 70
MAINLINE PROFILE I-70 EB PGL
STA 2168+00 TO STA 2182+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	23 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 23



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

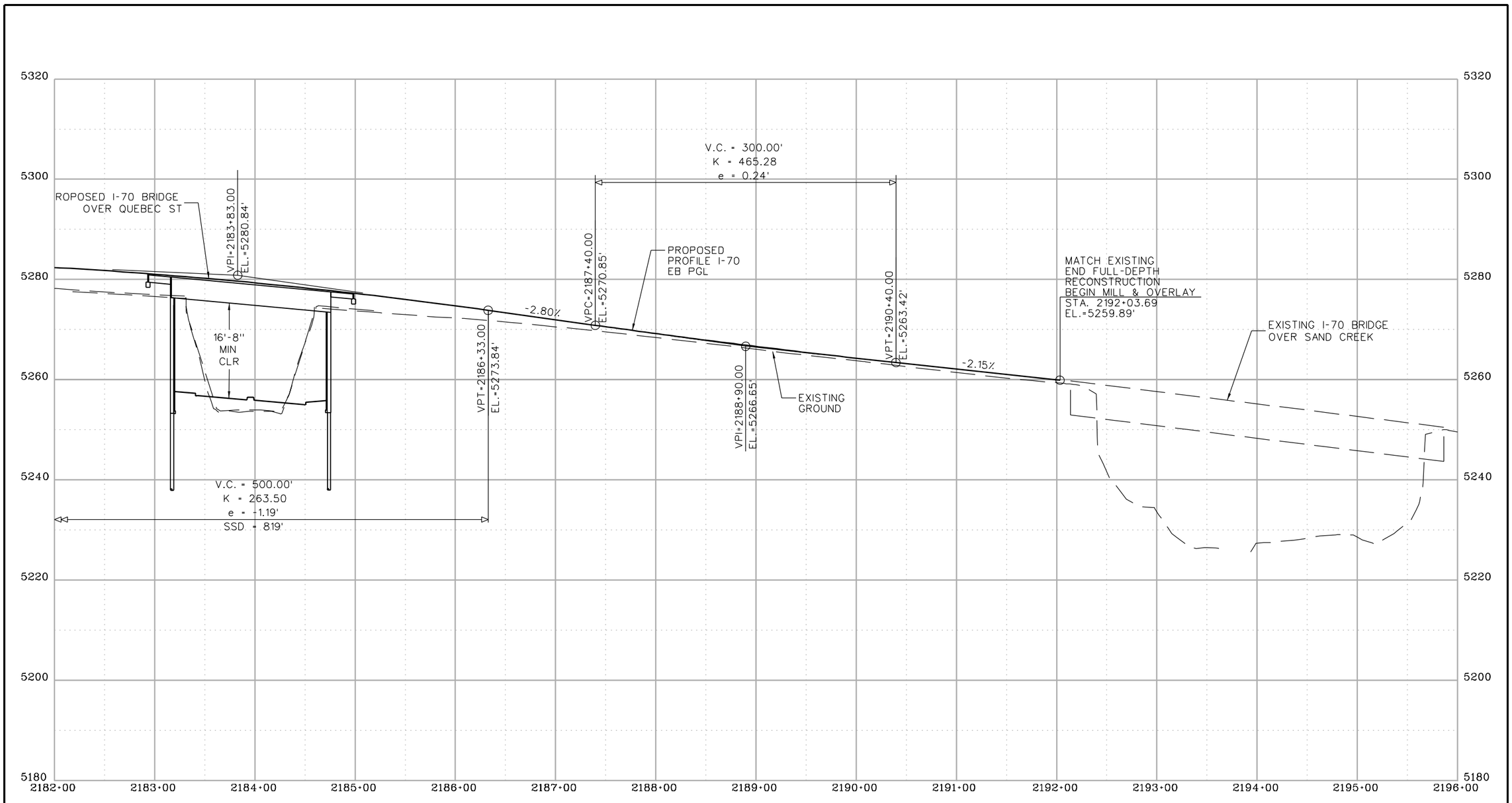
CENTRAL 70
MAINLINE PROFILE I-70 WB PGL
STA 2182+00 TO STA 2196+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	24 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 24



Kiewit meridiam PARTNERS

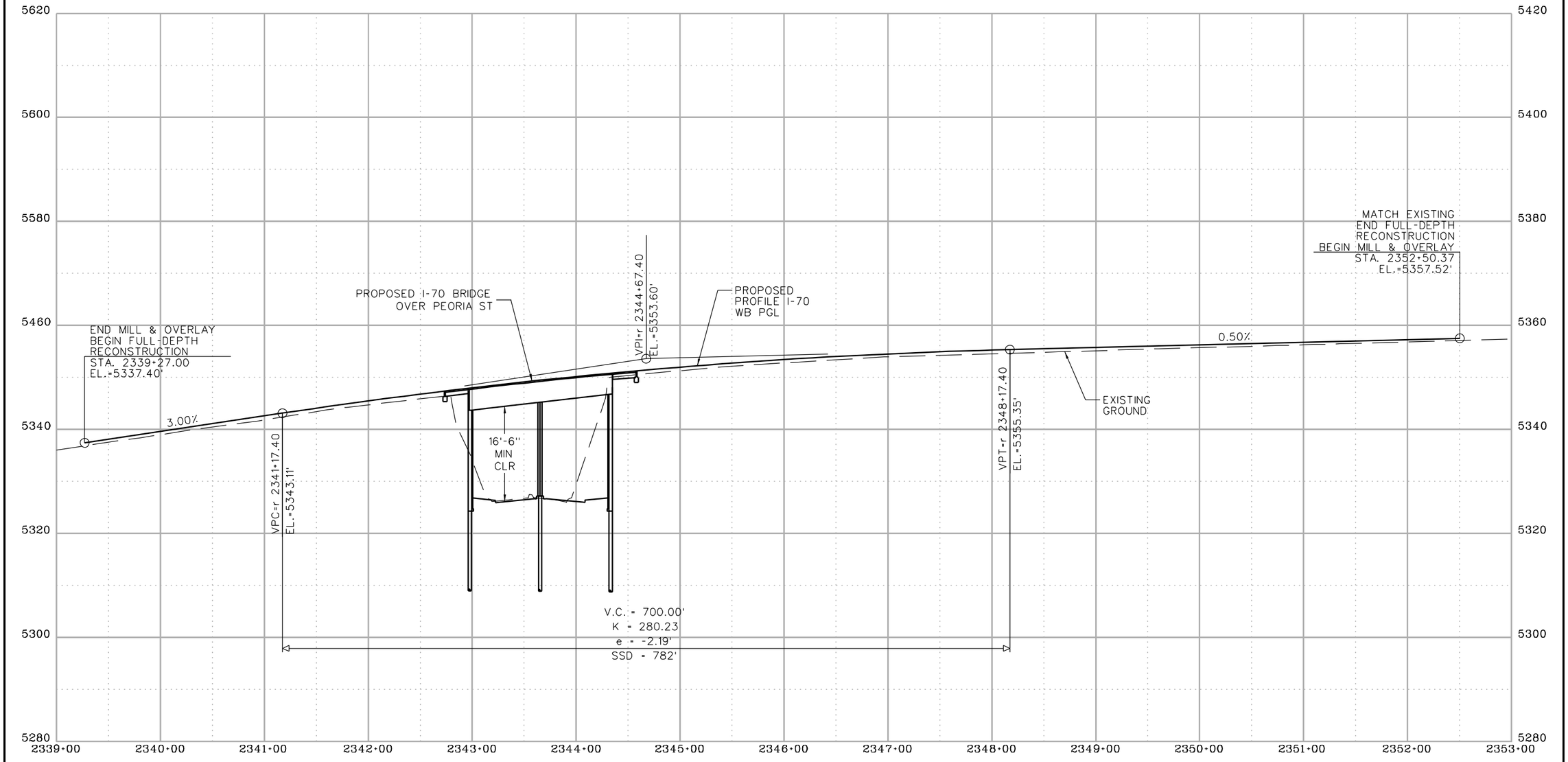
Central 70

0' 50' 100' 200'

CENTRAL 70
MAINLINE PROFILE I-70 EB PGL
STA 2182+00 TO STA 2196+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	25 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 25



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

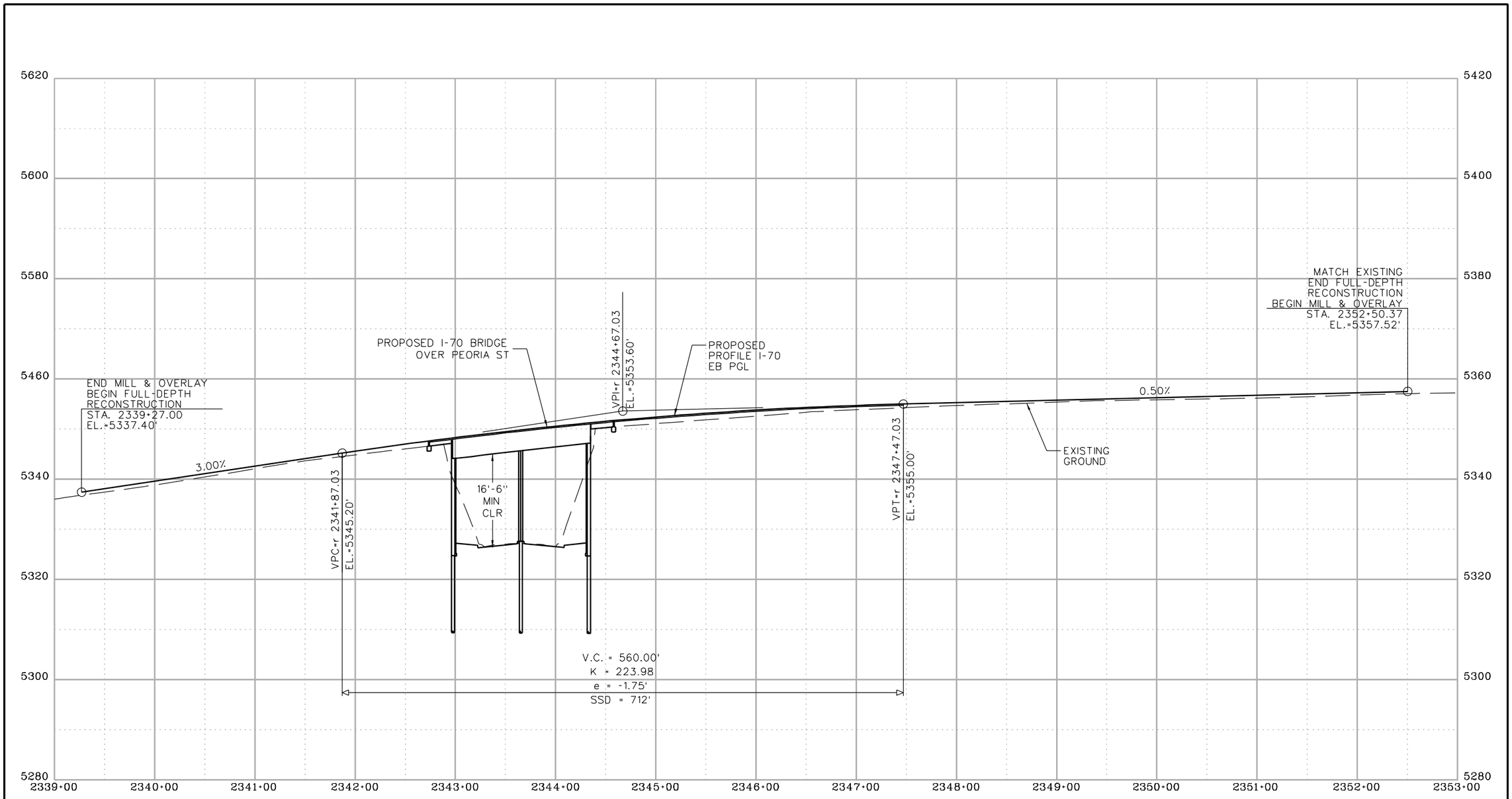
CENTRAL 70
MAINLINE PROFILE I-70 WB PGL
STA 2339+00 TO STA 2353+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	26 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 26



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

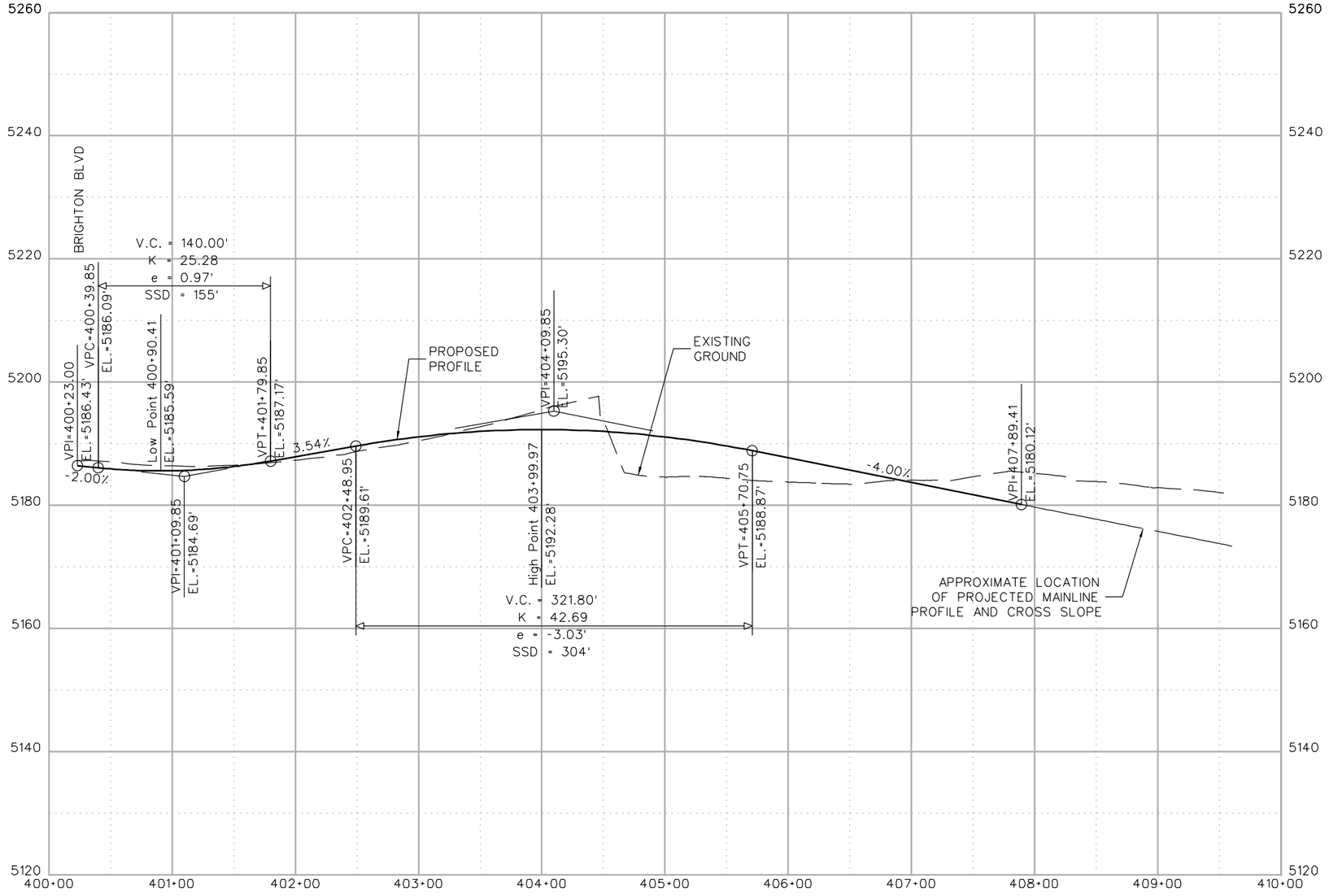
CENTRAL 70
MAINLINE PROFILE I-70 EB PGL
STA 2339+00 TO STA 2353+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	27 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 27

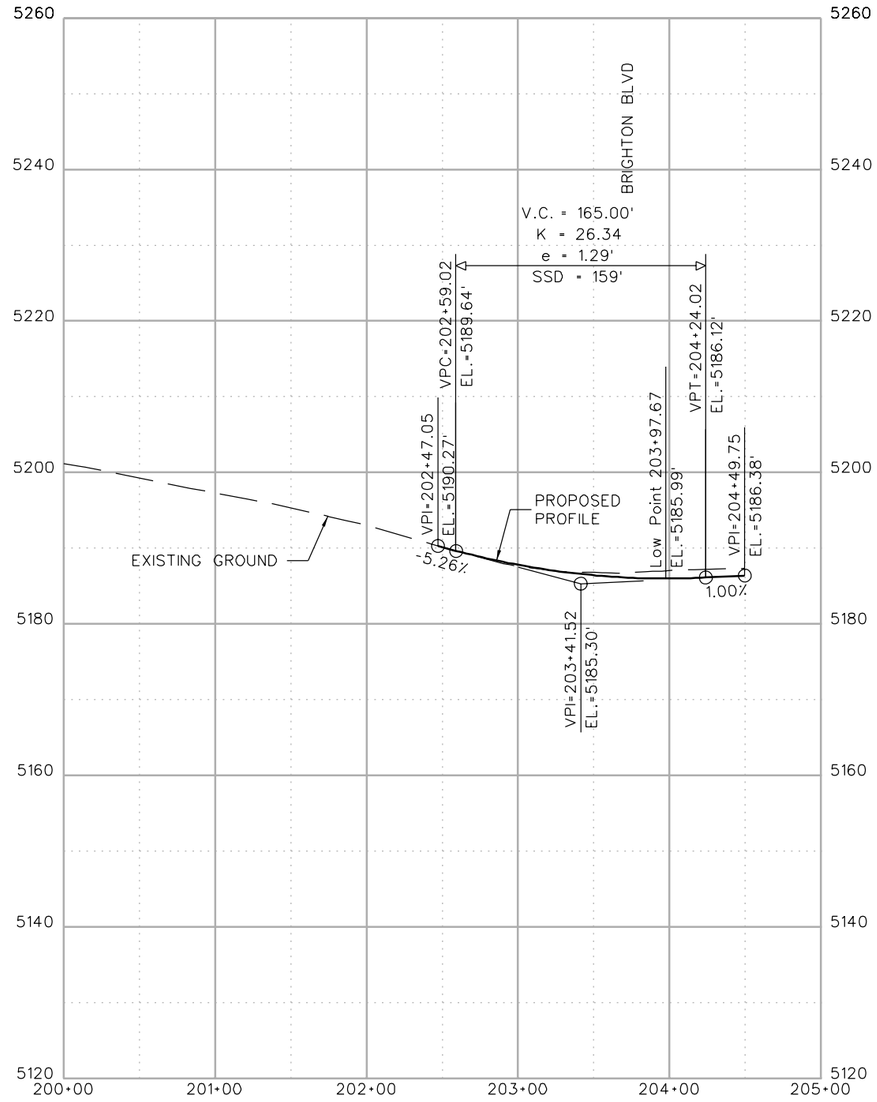


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 BRIGHTON BLVD EB ON RAMP	Project No./Code FBR 0704-234
Designer: KMP Detailer: KMP Subset: PROFILES Structure Numbers: - / - Subset Sheets: 28 of 125	19631 Sheet Number 28



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

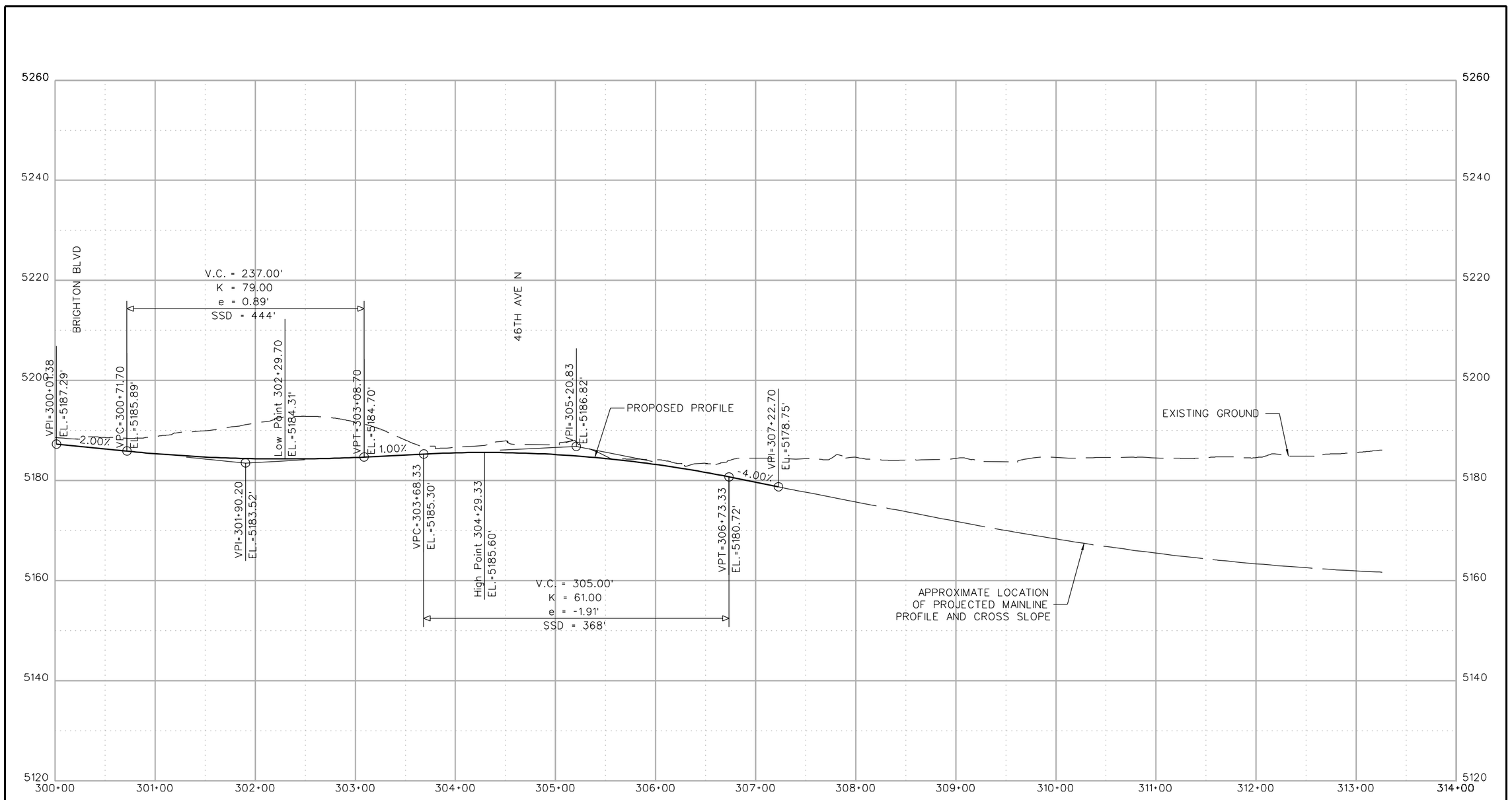
CENTRAL 70
BRIGHTON BLVD
EB OFF RAMP

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	29 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 29



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

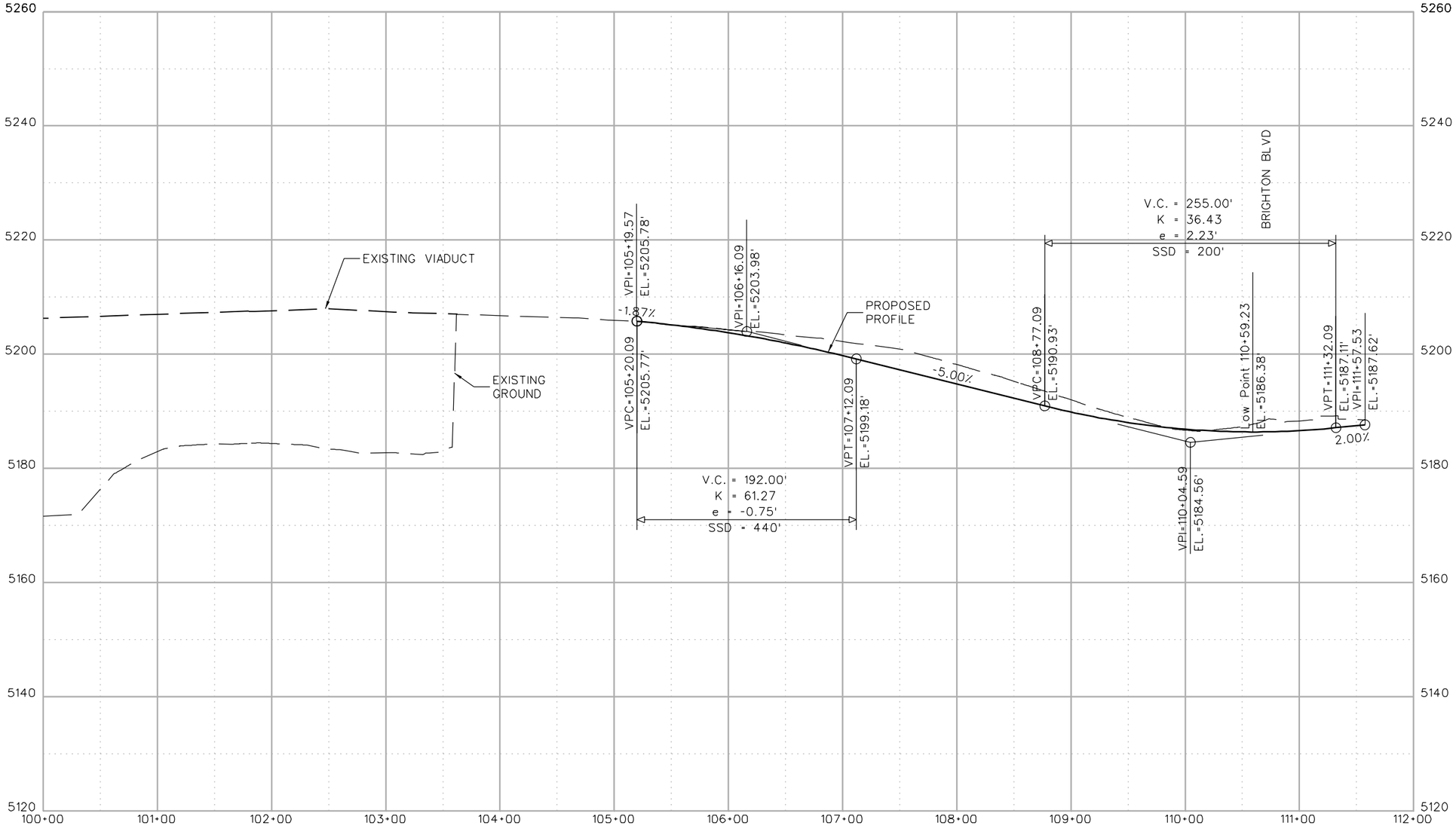
CENTRAL 70
BRIGHTON BLVD
WB OFF RAMP

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	30 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 30

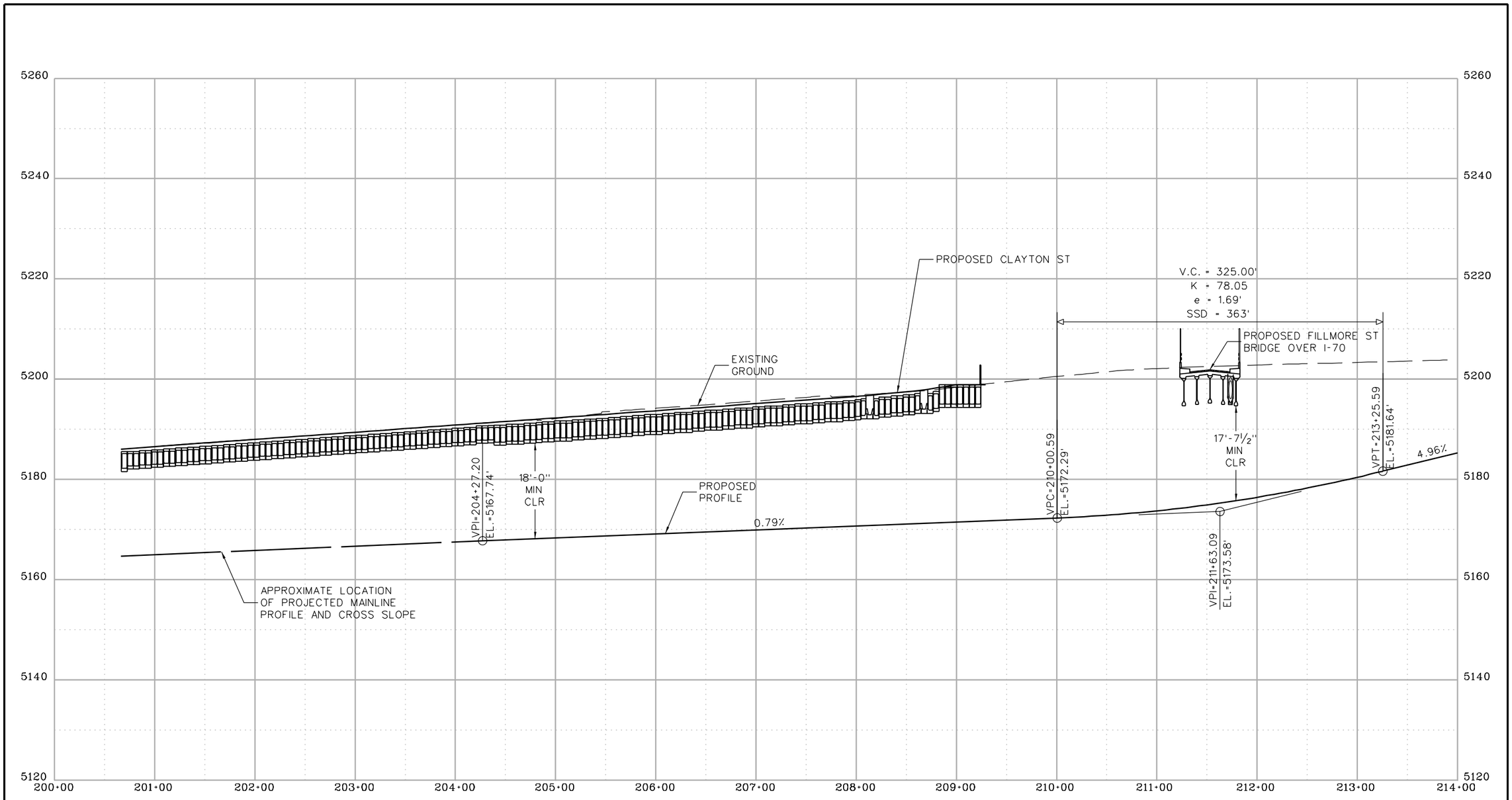


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 BRIGHTON BLVD WB ON RAMP			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets: 31 of 125		Sheet Number 31

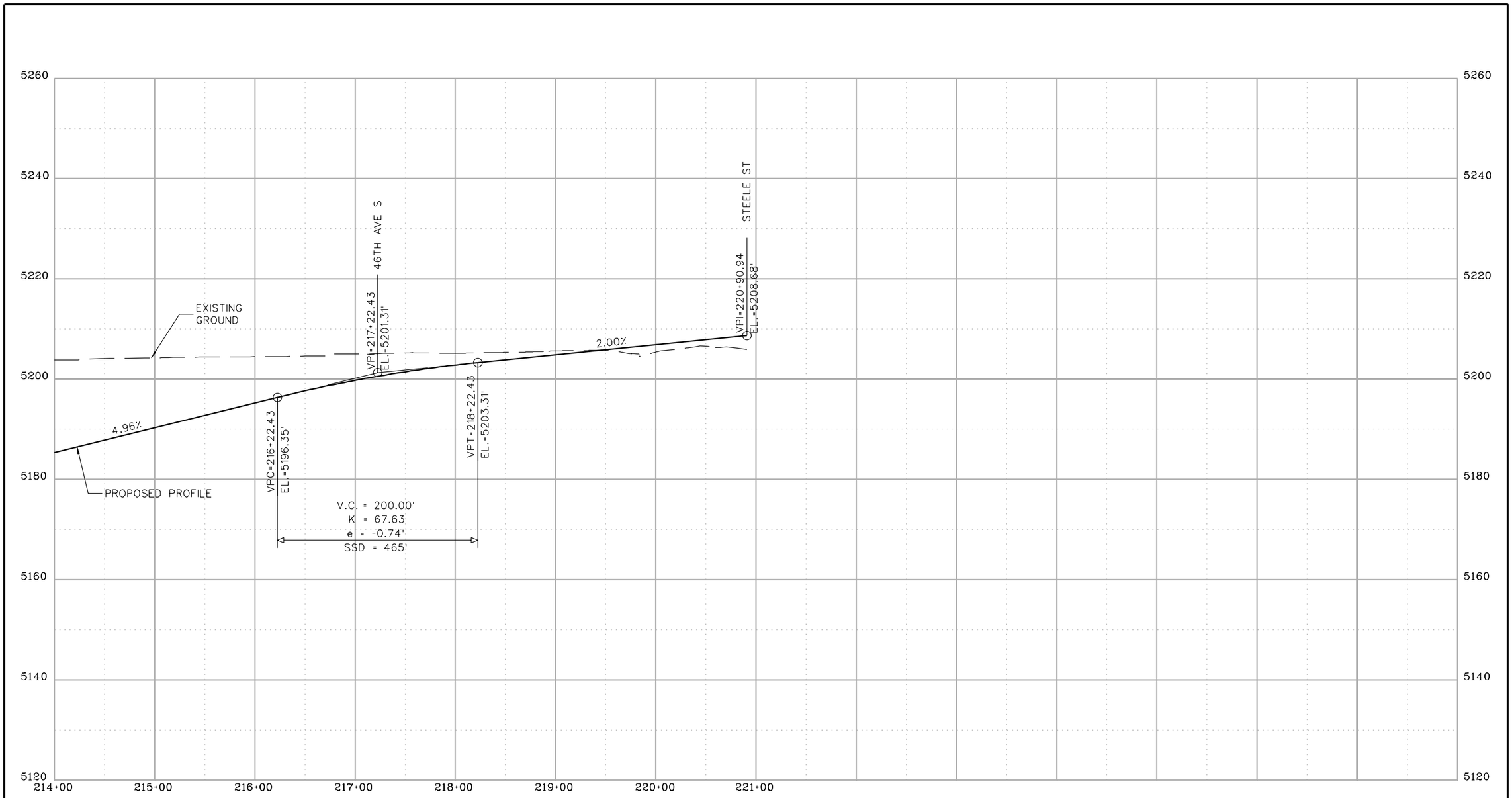


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 STEELE ST EB OFF RAMP STA 200+00 TO STA 214+00			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets: 32 of 125		Sheet Number 32



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
STEELE ST EB OFF RAMP
STA 214+00 TO STA 221+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	33 of 125

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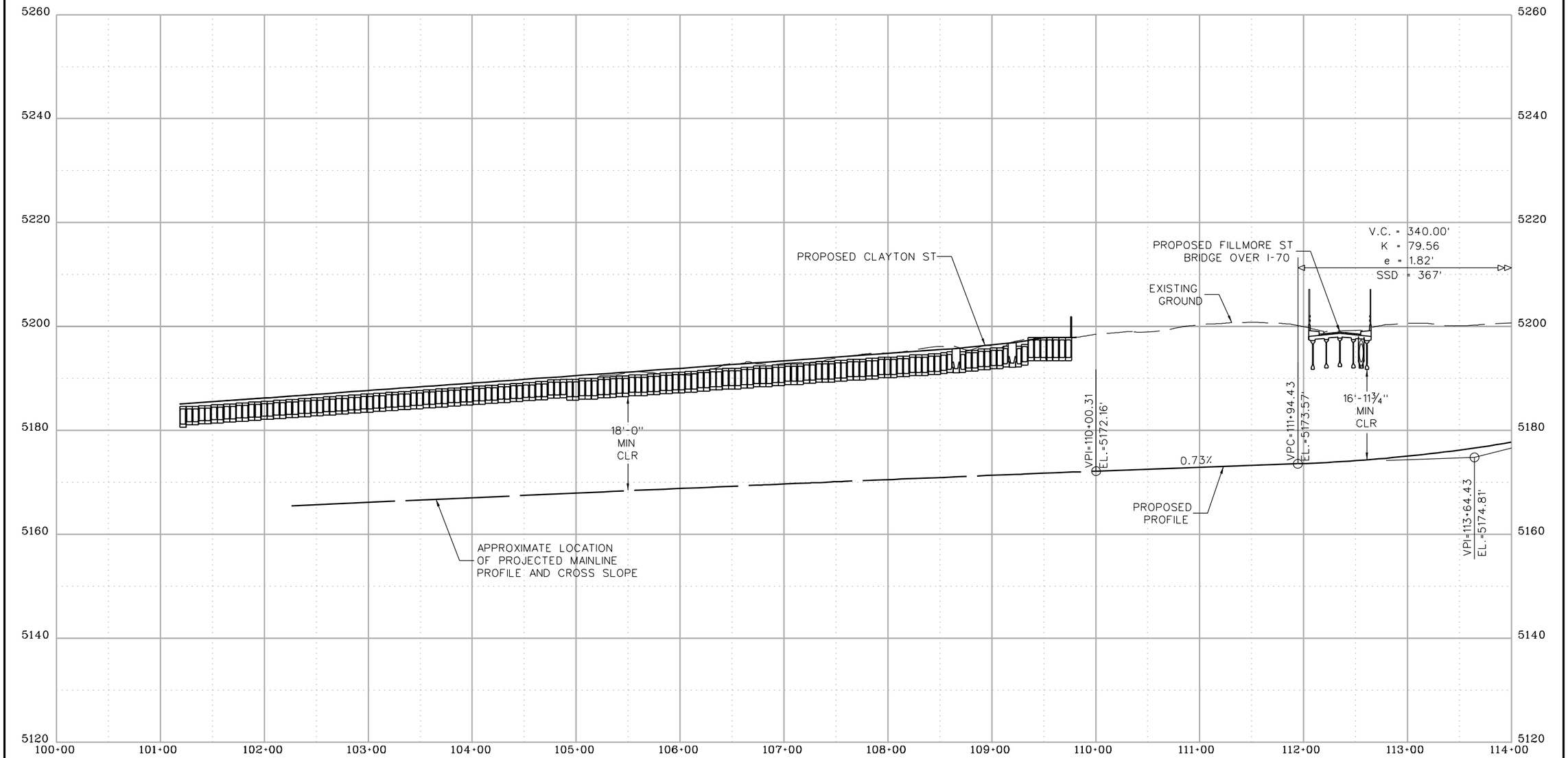
19631

Sheet Number 33



Kiewit meridiam PARTNERS

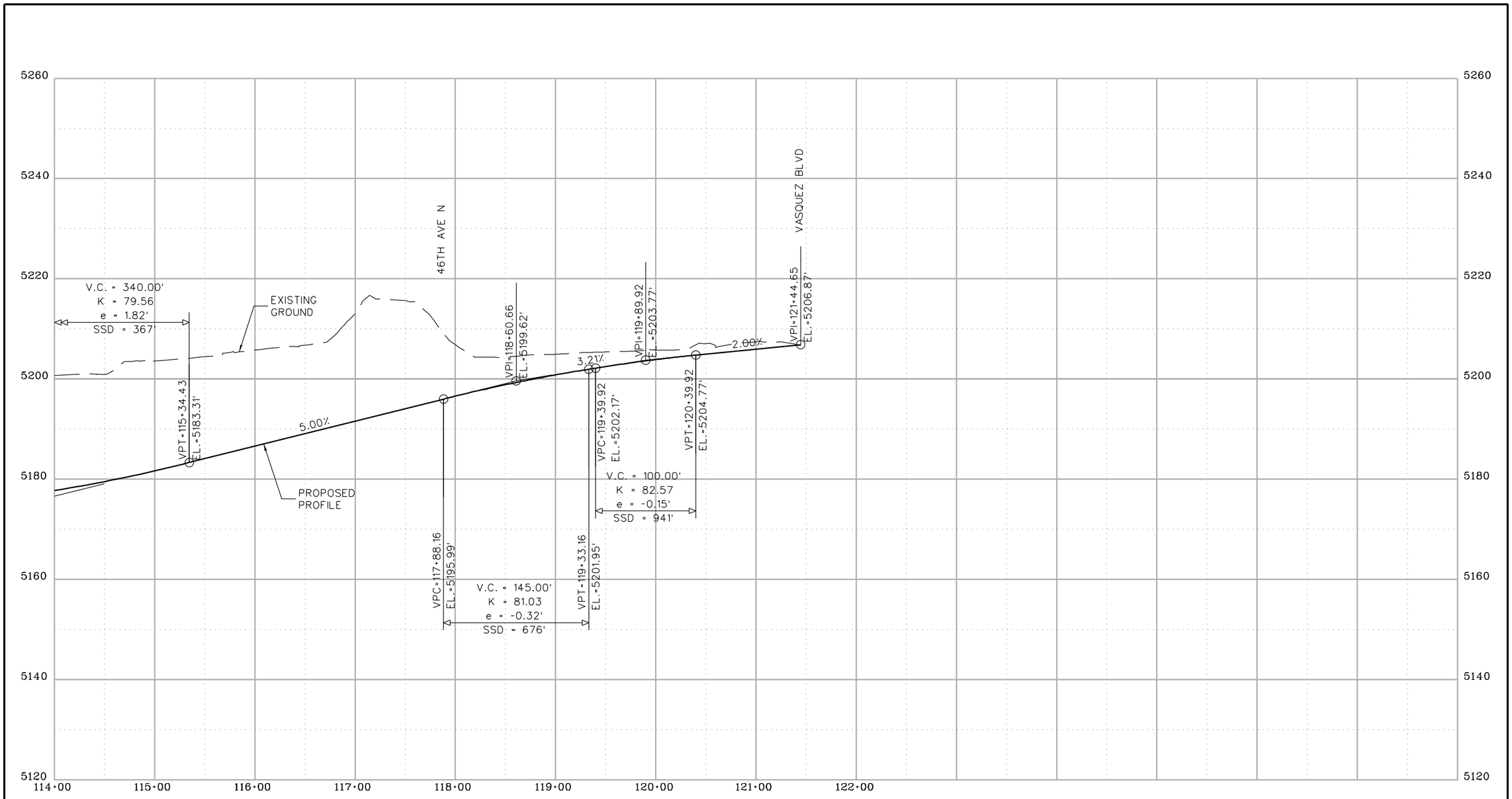
Central 70

0' 50' 100' 200'

CENTRAL 70
STEELE ST WB ON RAMP
STA 100+00 TO STA 114+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	34 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 34



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
STEELE ST WB ON RAMP
STA 100+00 TO STA 114+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	35 of 125

Project No./Code
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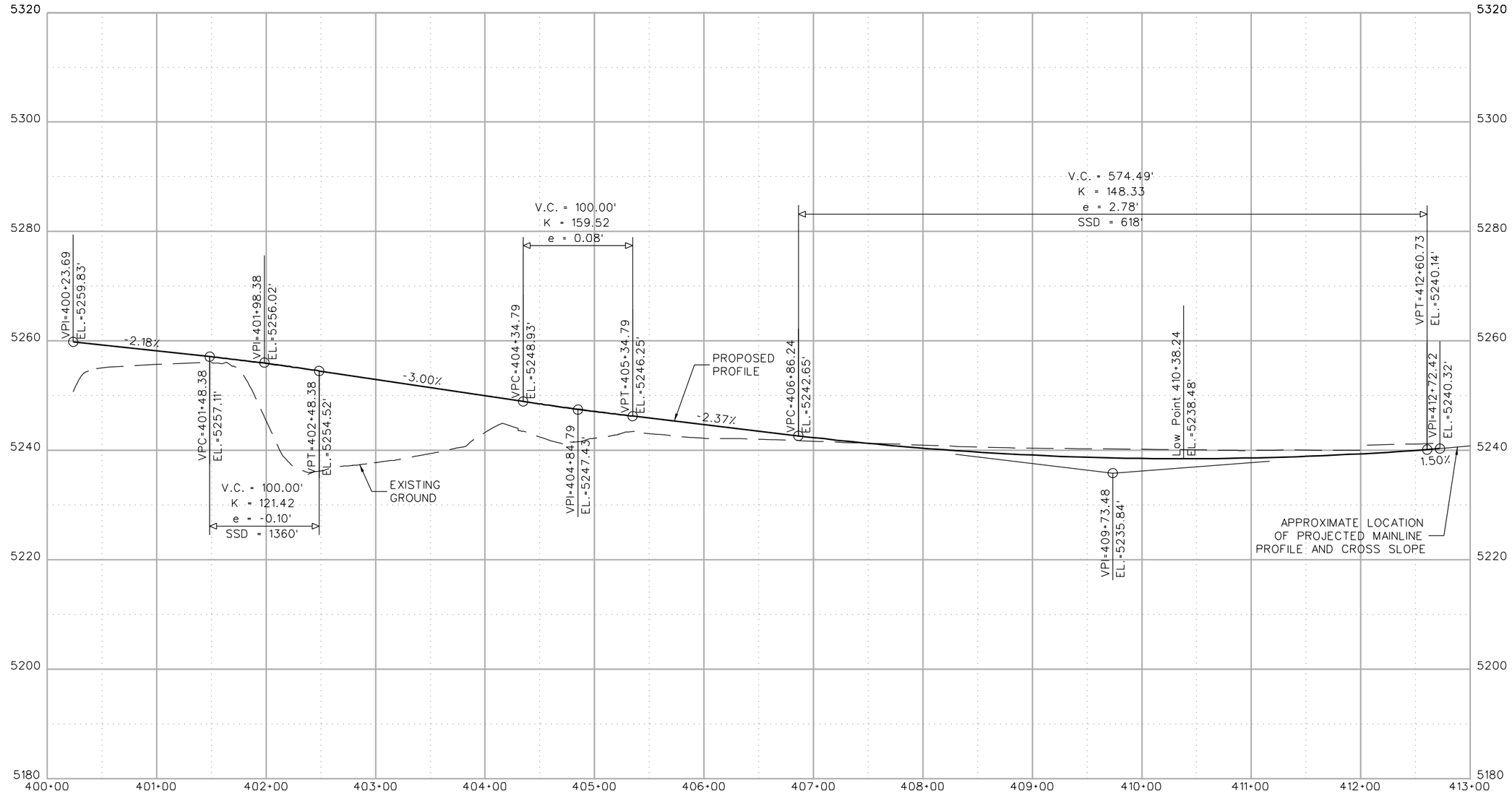
19631

Sheet Number 35



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

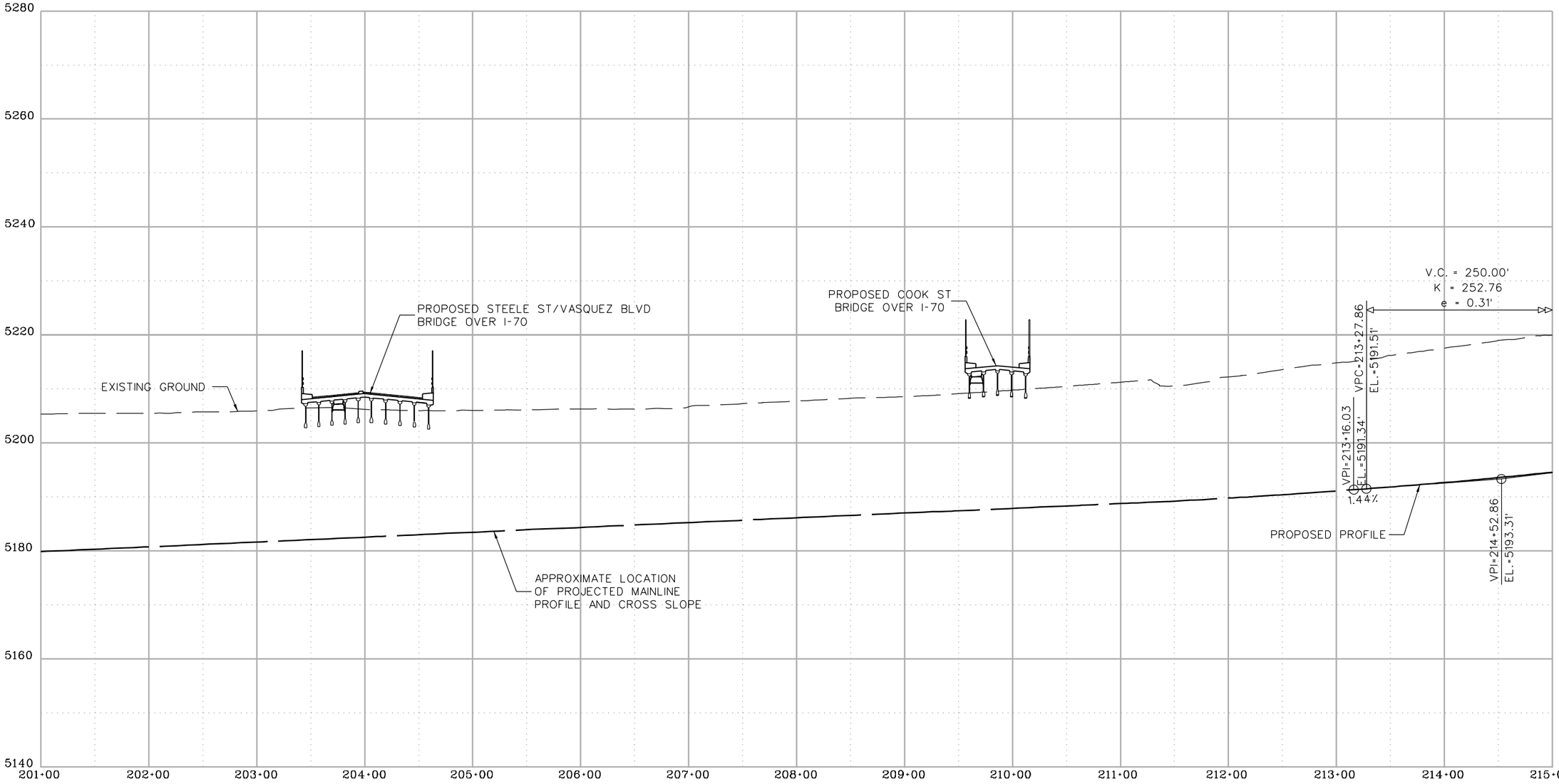
CENTRAL 70
COLORADO BLVD
EB ON RAMP

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	36 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 36



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

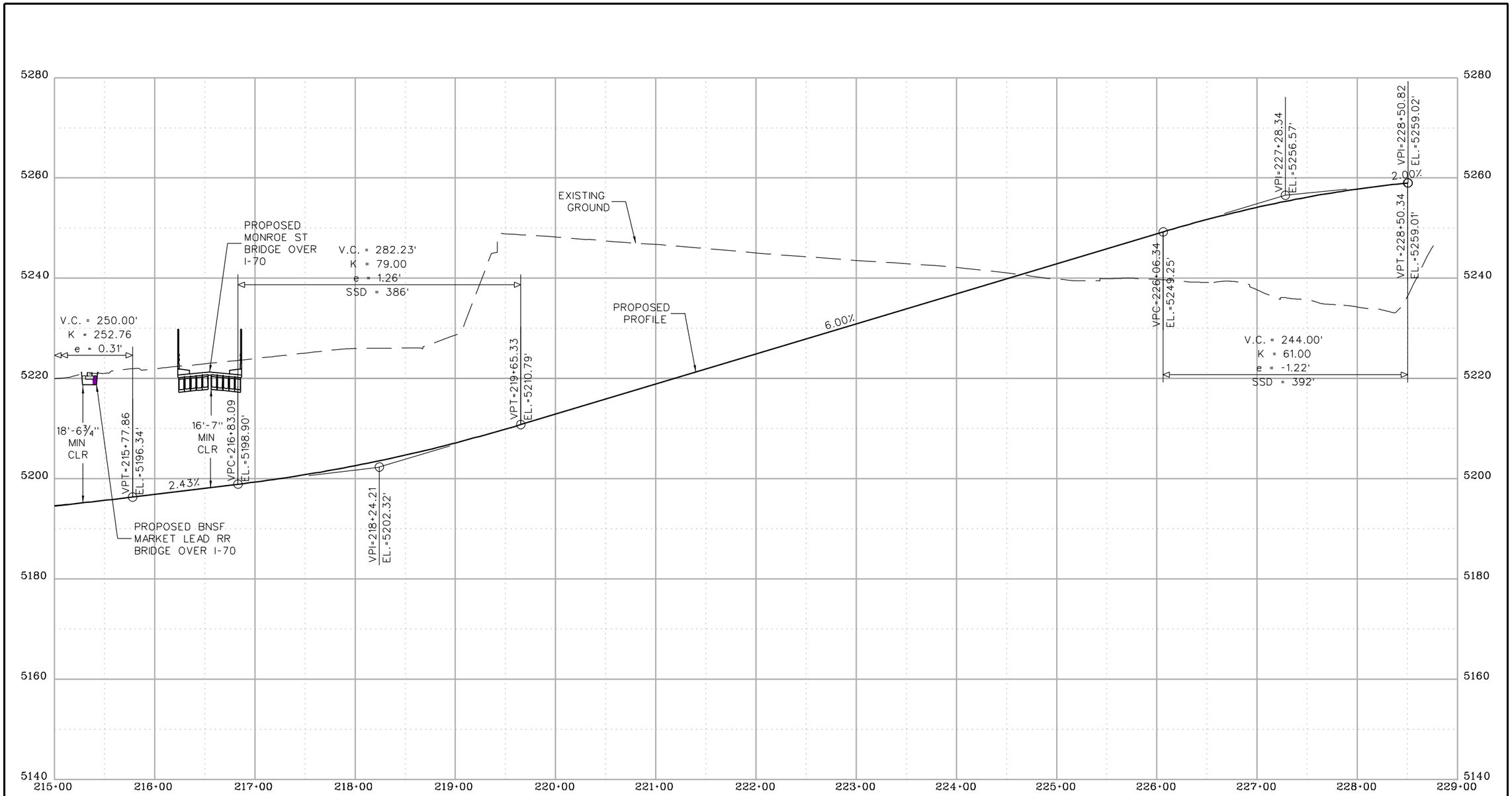
CENTRAL 70
COLORADO BLVD EB OFF RAMP
STA 201+00 TO STA 215+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	37 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 37



Kiewit meridiam PARTNERS

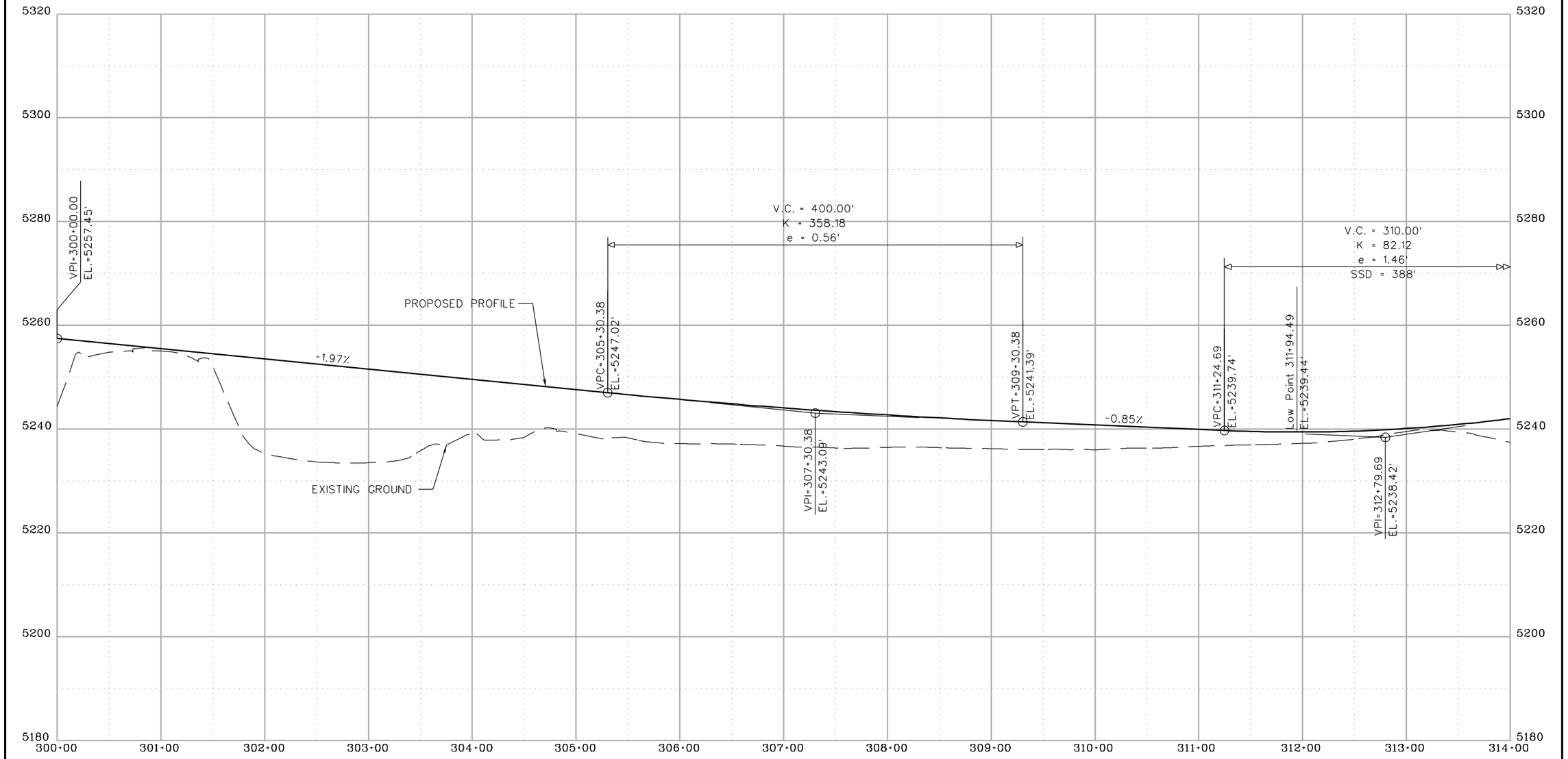
Central 70

0' 50' 100' 200'

CENTRAL 70
COLORADO BLVD EB OFF RAMP
STA 215+00 TO STA 229+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	38 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 38

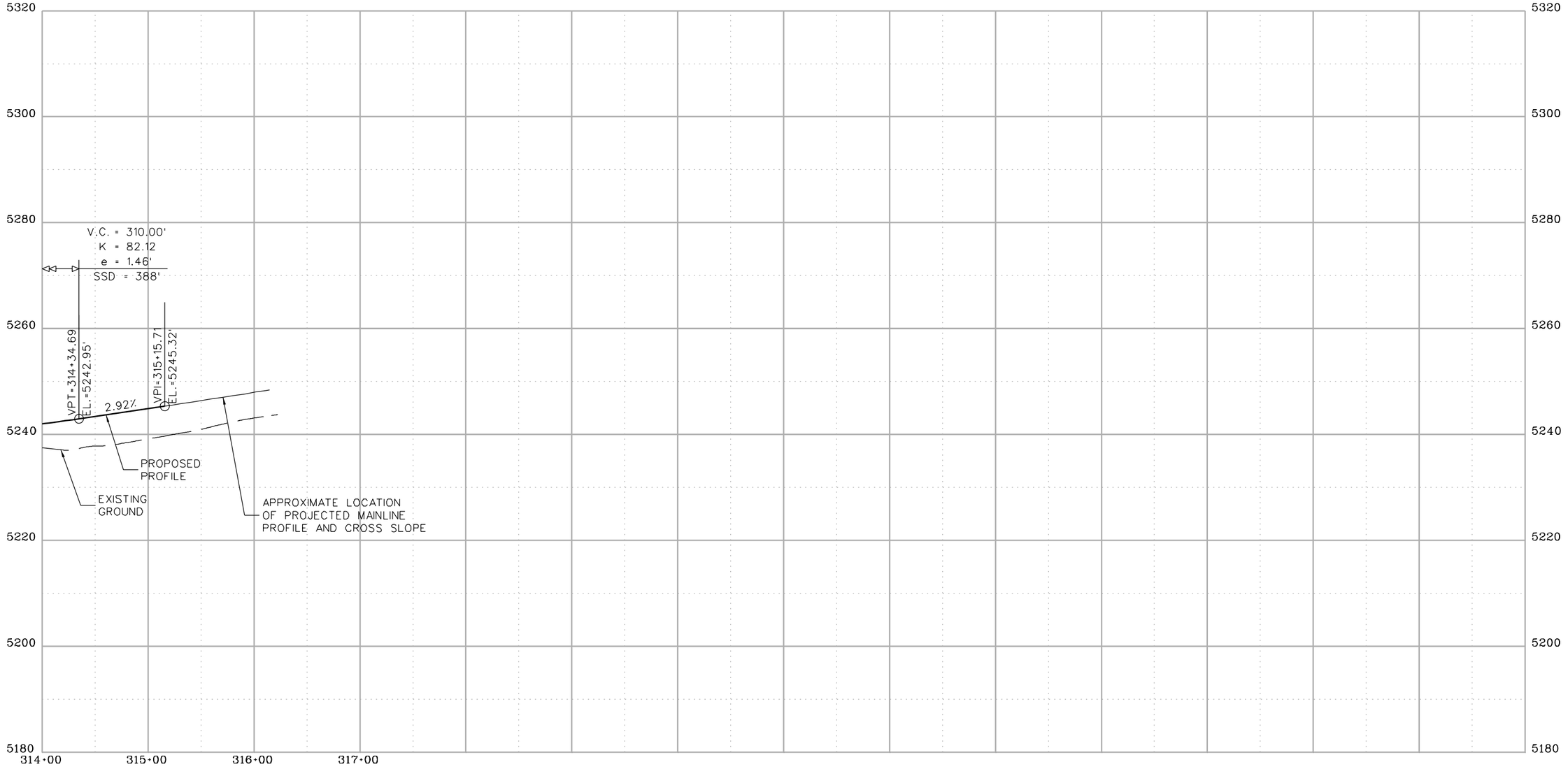


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 COLORADO BLVD WB OFF RAMP STA 300+00 TO STA 314+00	Project No./Code FBR 0704-234
Designer: KMP	Structure Numbers: -
Detailer: KMP	19631
Subset: PROFILES	Subset Sheets: 39 of 125
	Sheet Number 39



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

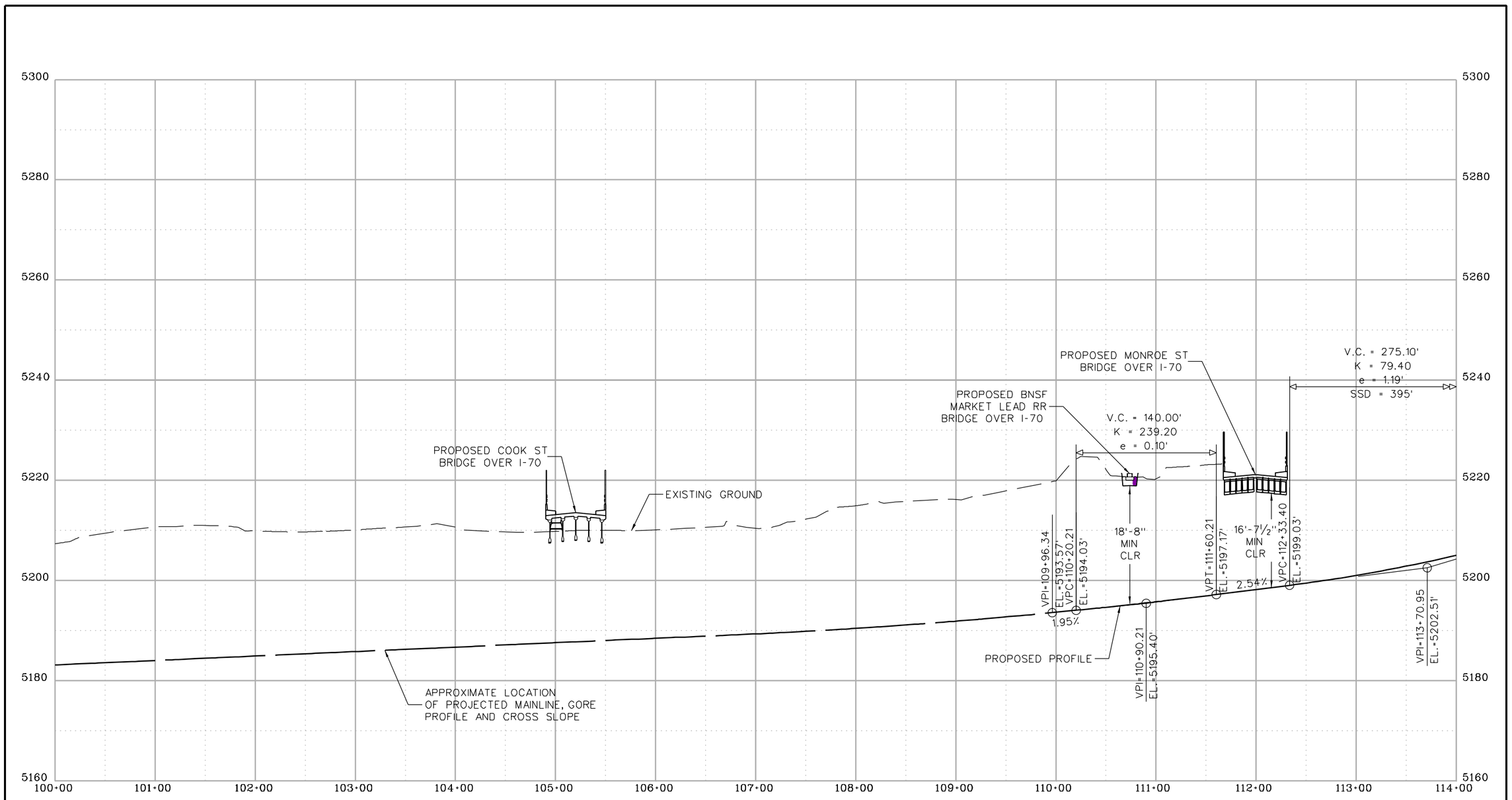
CENTRAL 70
COLORADO BLVD WB OFF RAMP
STA 314+00 TO STA 317+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	40 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 40

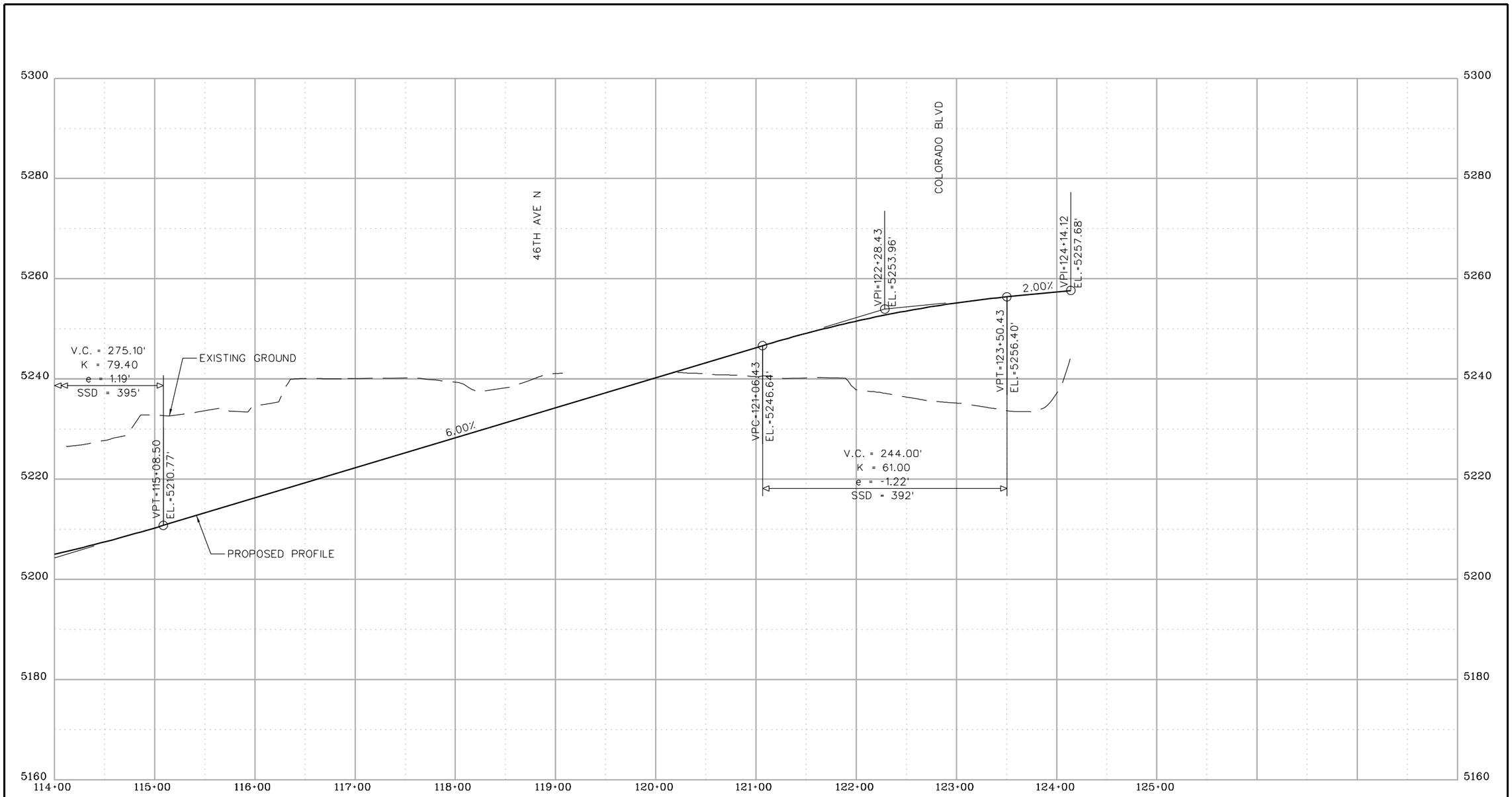


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 COLORADO BLVD WB ON RAMP STA 100+00 TO STA 114+00			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets: 41 of 125		Sheet Number 41



Kiewit meridiam PARTNERS

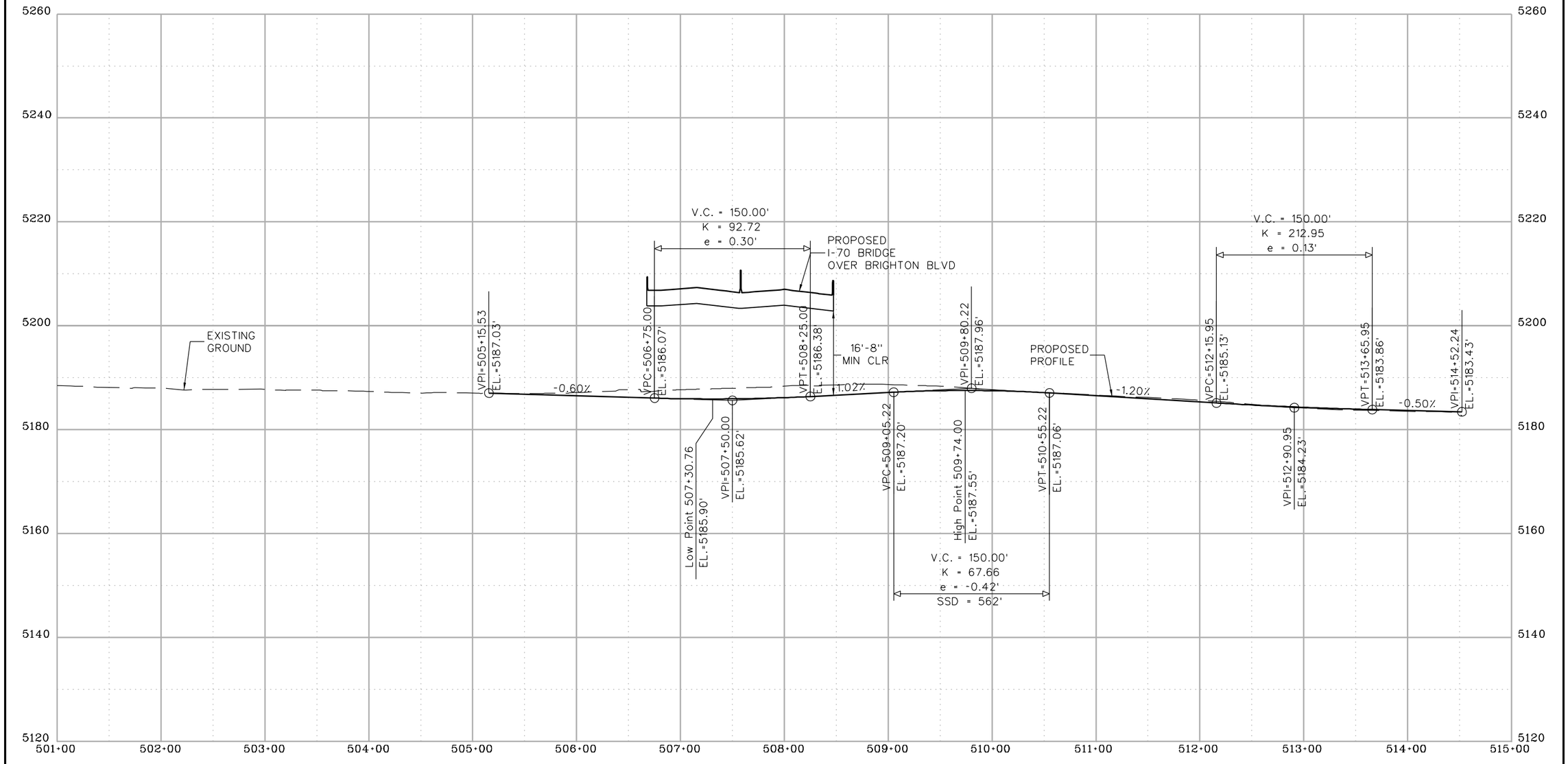
Central 70

0' 50' 100' 200'

CENTRAL 70
COLORADO BLVD WB ON RAMP
STA 114+00 TO STA 125+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	42 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 42

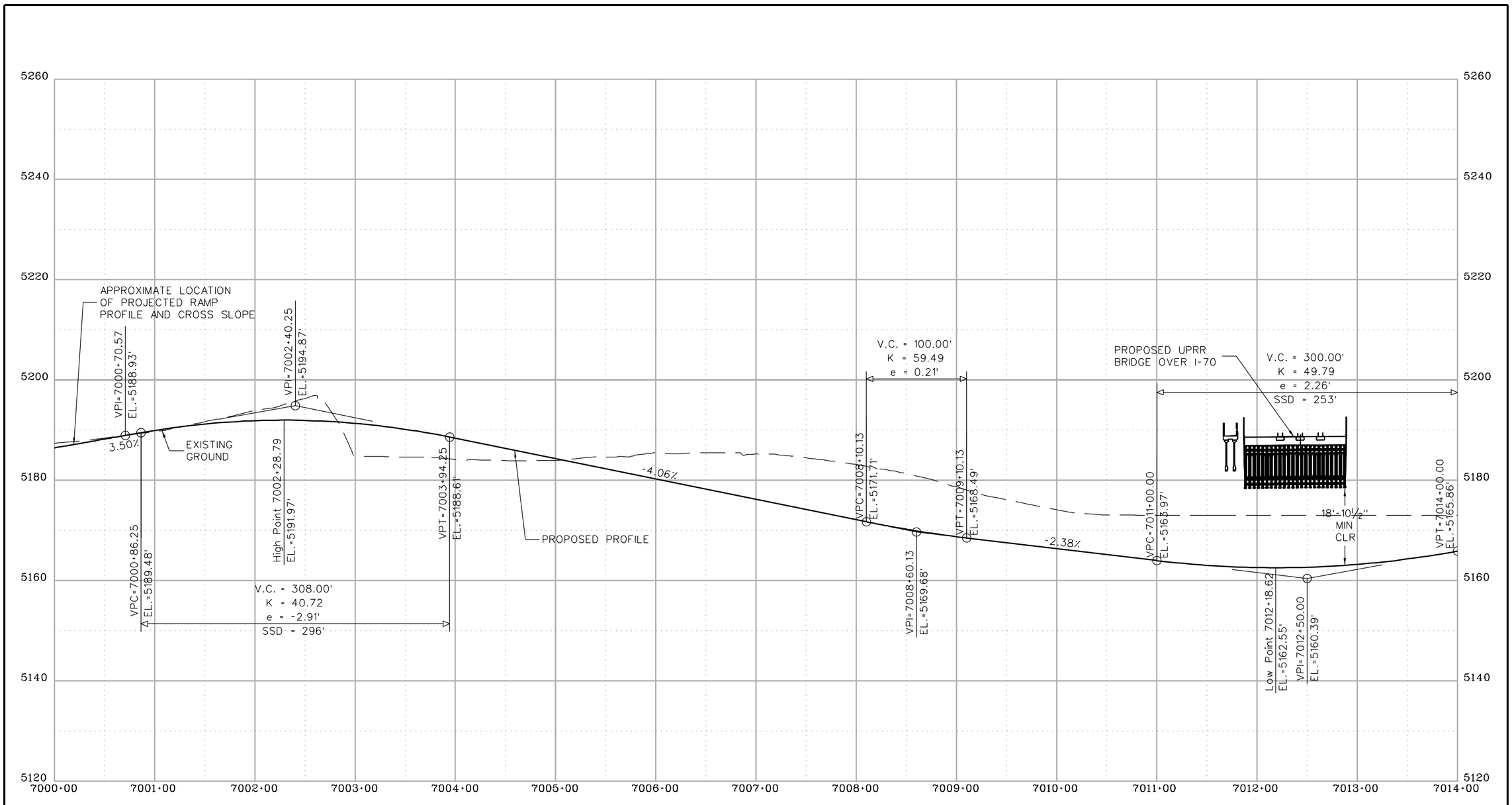


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 BRIGHTON BLVD PROFILE	Project No./Code FBR 0704-234
Designer: KMP	Structure Numbers -
Detailer: KMP	19631
Subset: PROFILES	Subset Sheets: 43 of 125
	Sheet Number 43



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
46TH AVE PROFILE EB
STA 7000+00 TO STA 7014+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	44 of 125

Project No./Code
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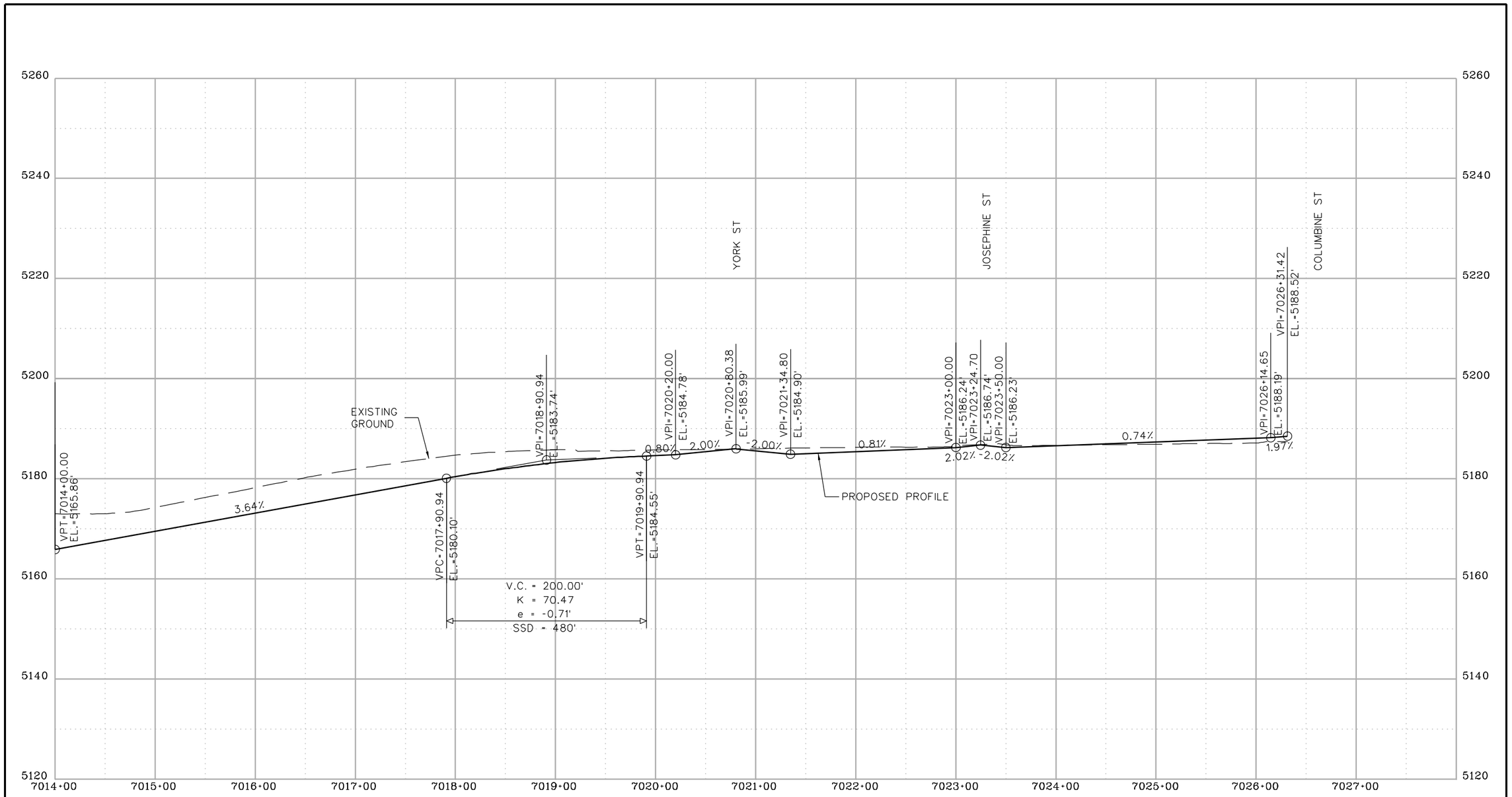
19631
Sheet Number 44



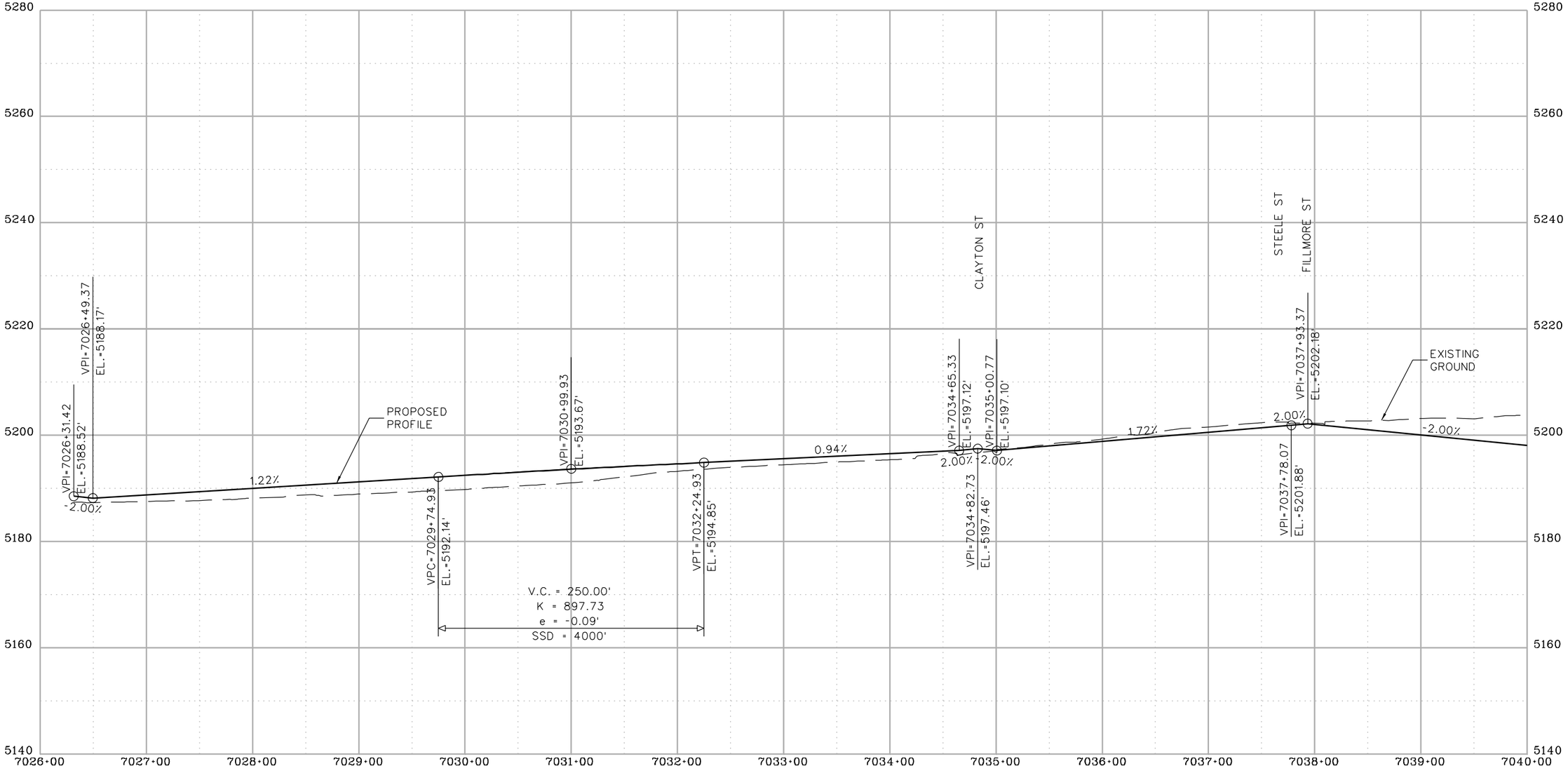
Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 46TH AVE PROFILE EB STA 7014+00 TO STA 7027+00	Project No./Code FBR 0704-234
Designer: KMP Detailer: KMP Subset: PROFILES Structure Numbers: - / - Subset Sheets: 45 of 125	19631 Sheet Number 45

Heidenreich 2:22:34 PM pw:\\projectwise.ptid.com:pwiseV8i\Documents\Central 70\Design\Drawings\11X17 Sheets (Appendix A)\13599DES_PROF-Plan45.dgn



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
46TH AVE PROFILE EB
STA 7026+00 TO STA 7040+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	46 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 46

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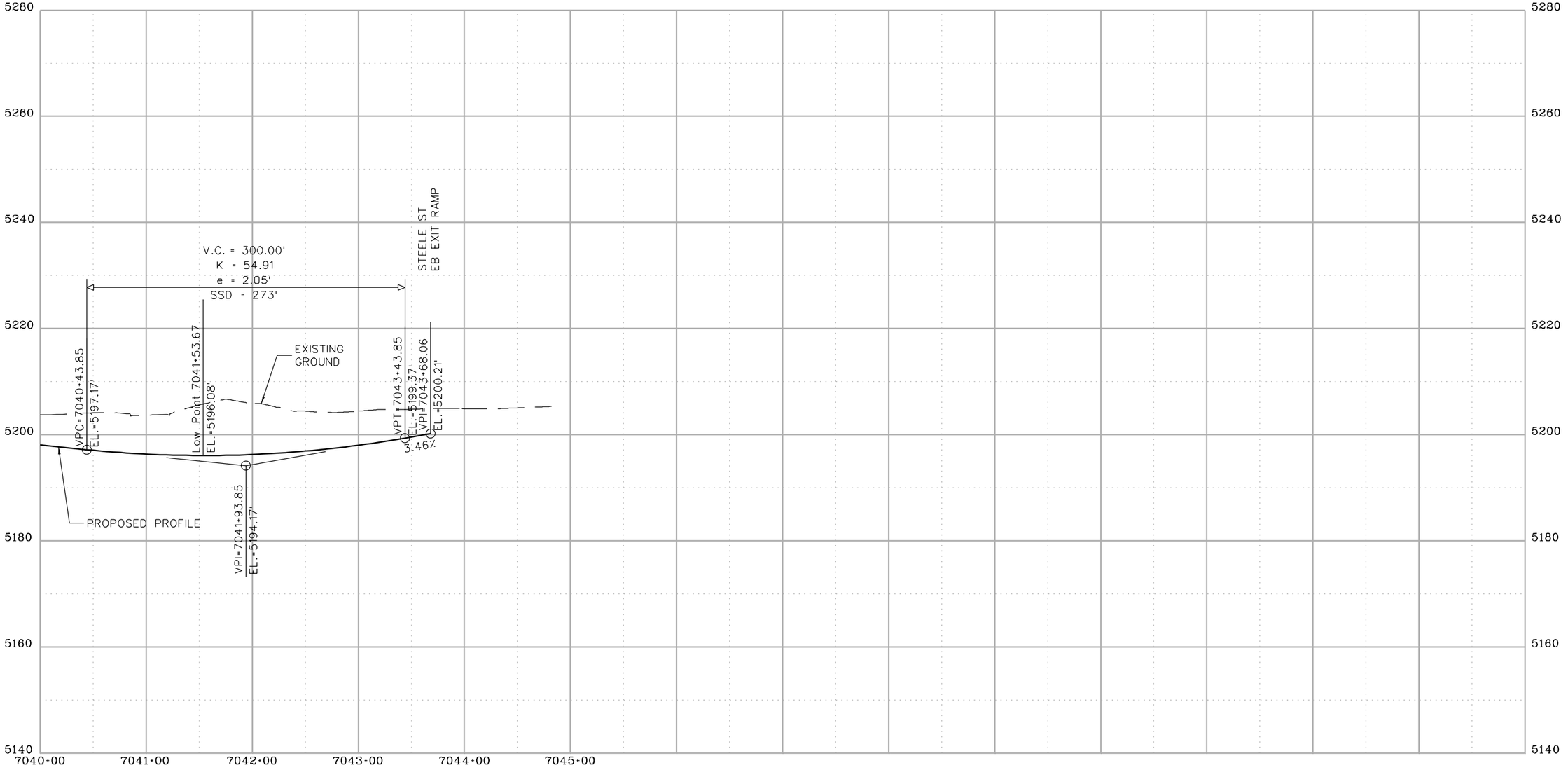


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

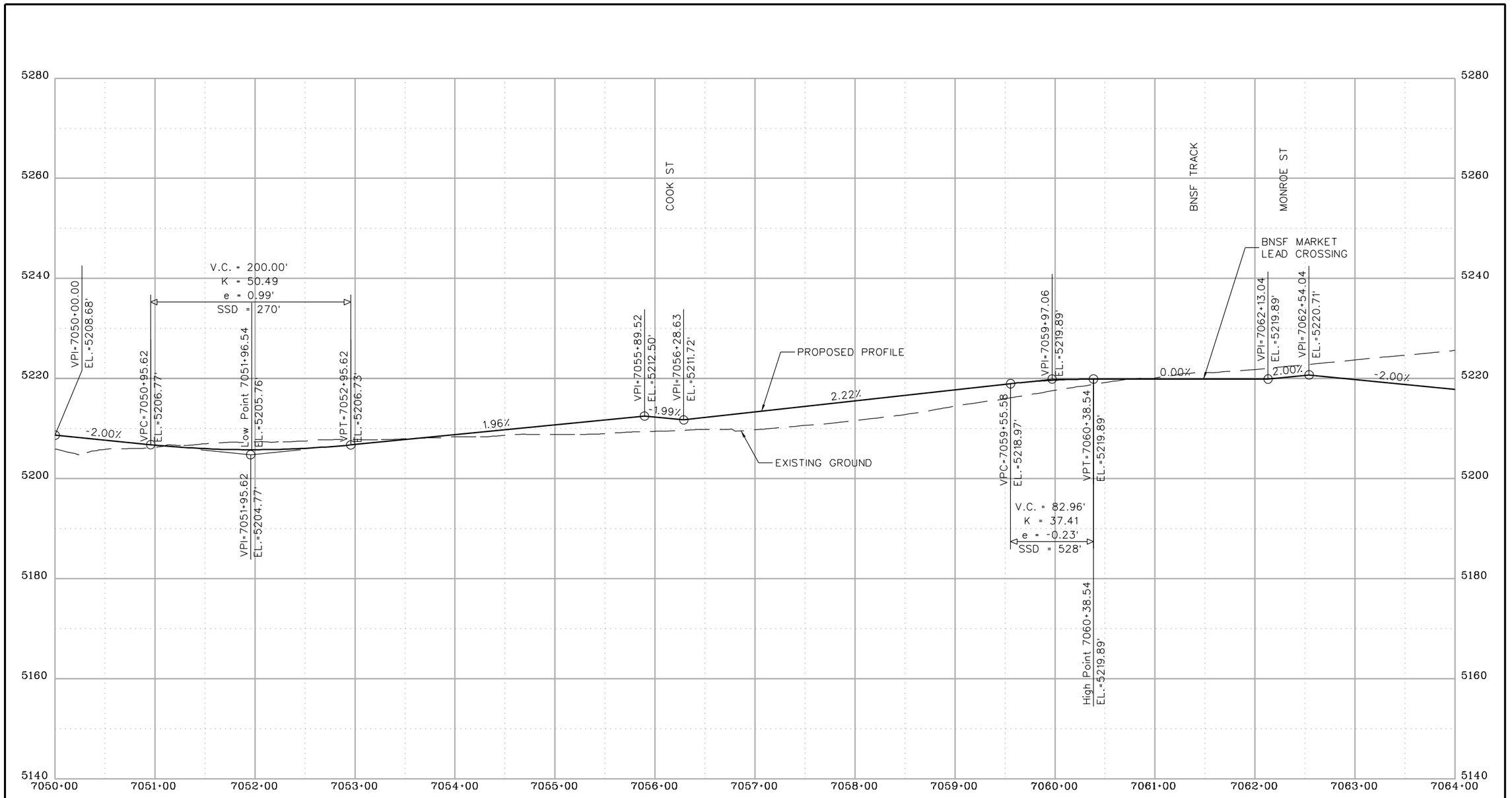
CENTRAL 70
46TH AVE PROFILE EB
STA 7040+00 TO STA 7045+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	47 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 47



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
46TH AVE PROFILE EB
STA 7050+00 TO STA 7064+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	48 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 48

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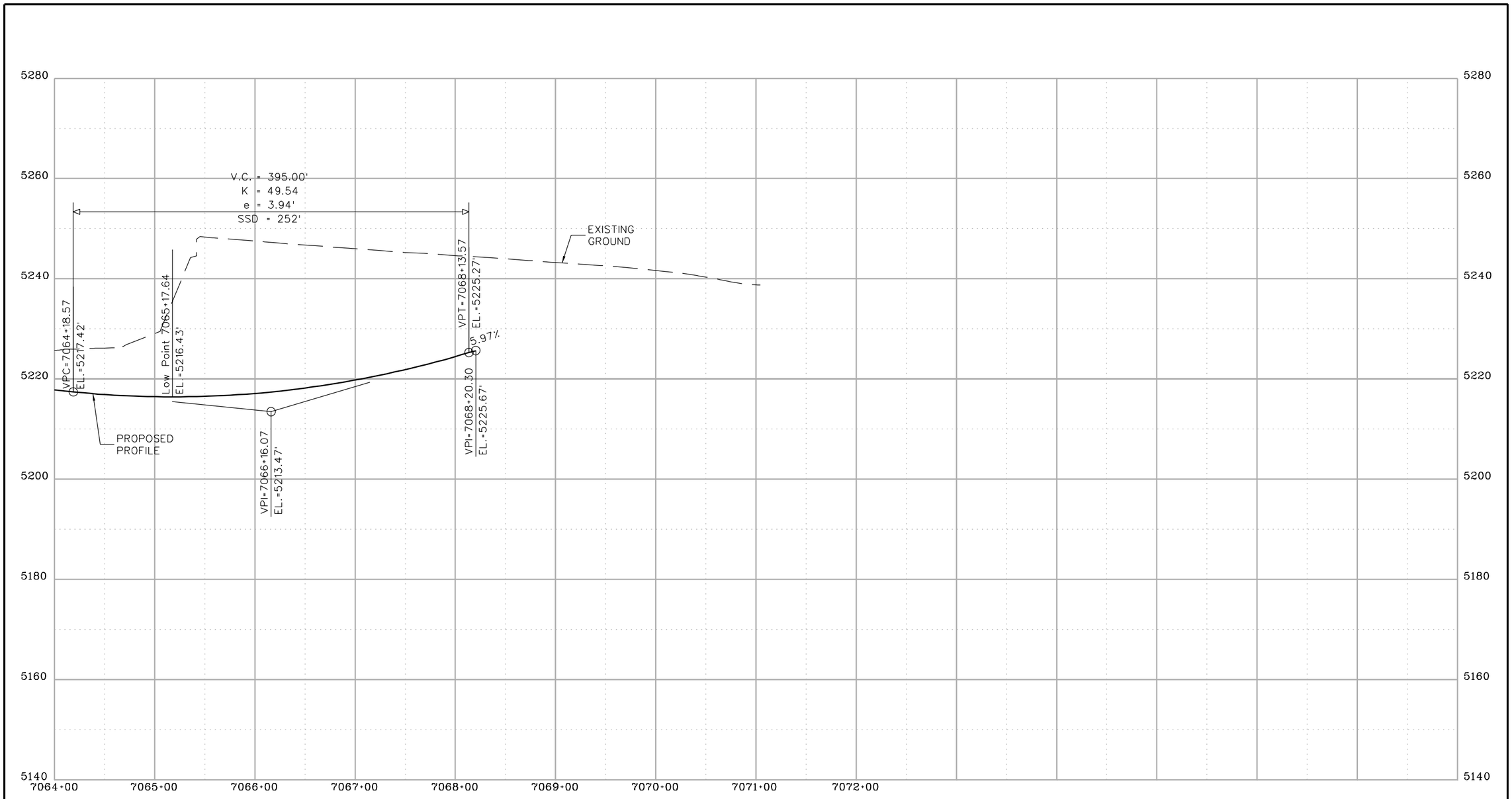


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
46TH AVE PROFILE EB
STA 7064+00 TO STA 7072+00

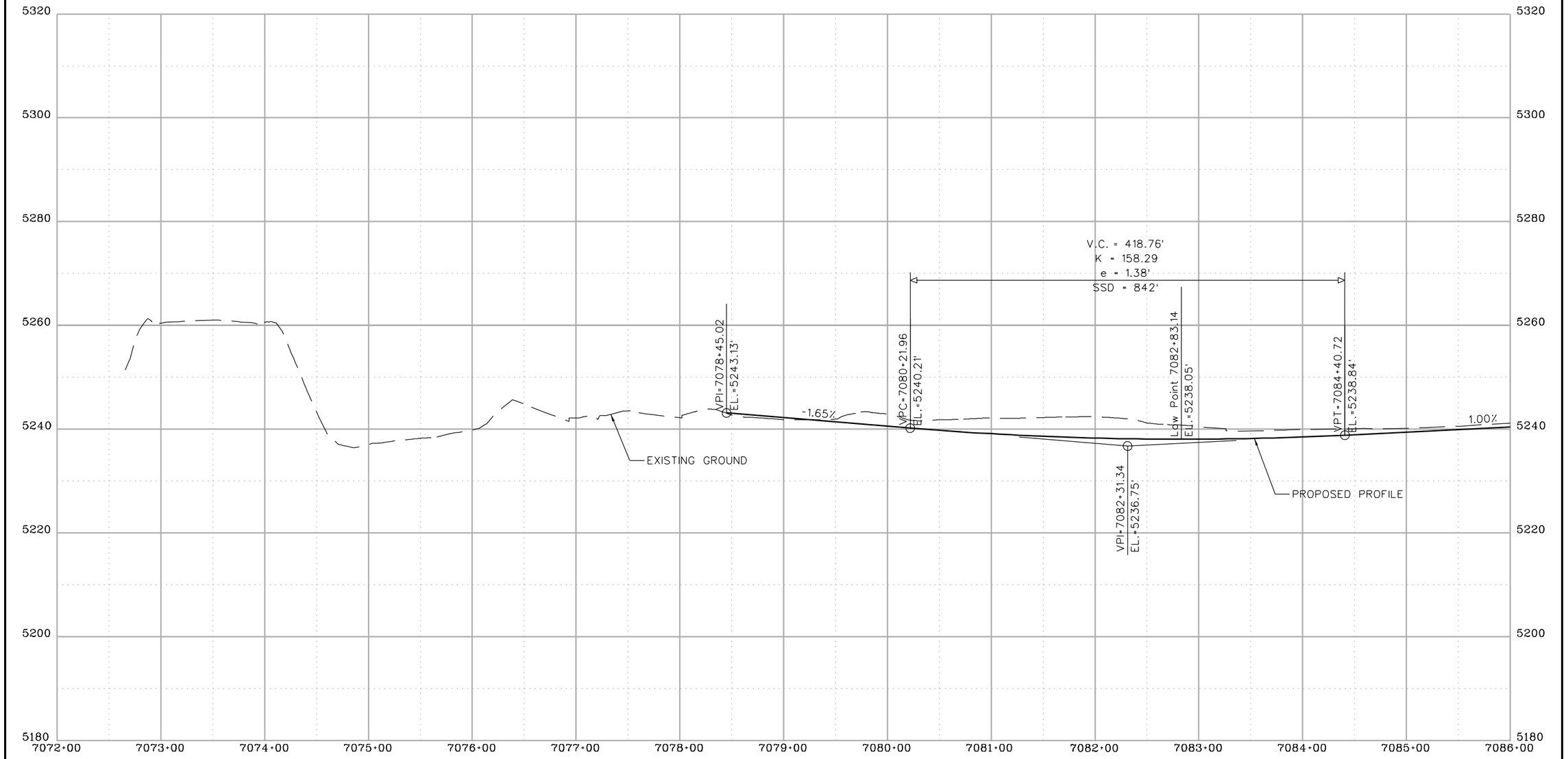
Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	49 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 49

Heidenreich 2:22:59 PM pw:\\projectwise.pbid.com:pwiseV8i\Documents\Central 70\Design\Drawings\11X17 Sheets (Appendix A)\135990ES_PROF - Plan49.dgn



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

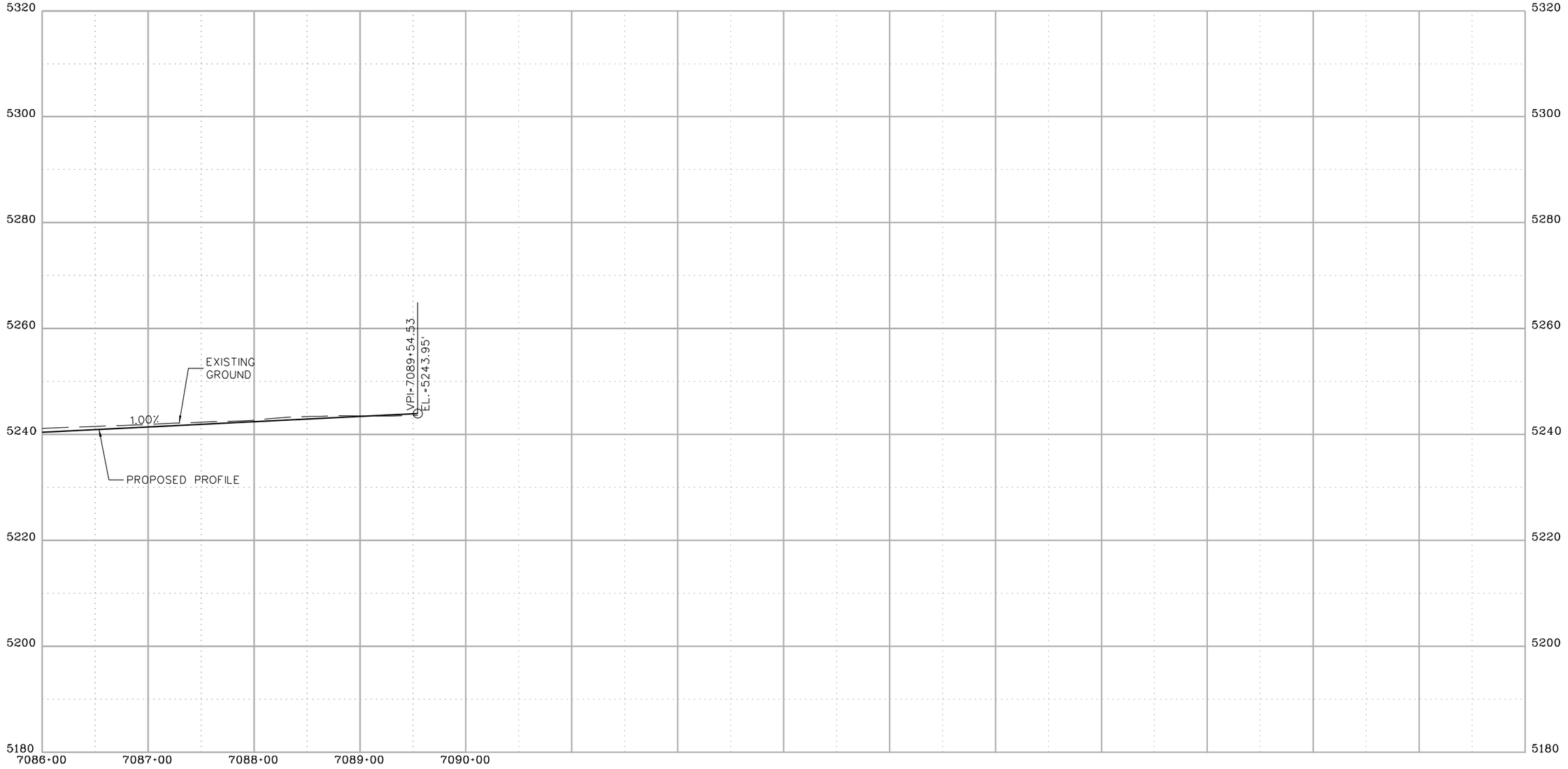
CENTRAL 70
46TH AVE PROFILE EB
STA 7072+00 TO STA 7066+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	50 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 50



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
46TH AVE PROFILE EB
STA 7086+00 TO STA 7090+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	51 of 125

Project No./Code
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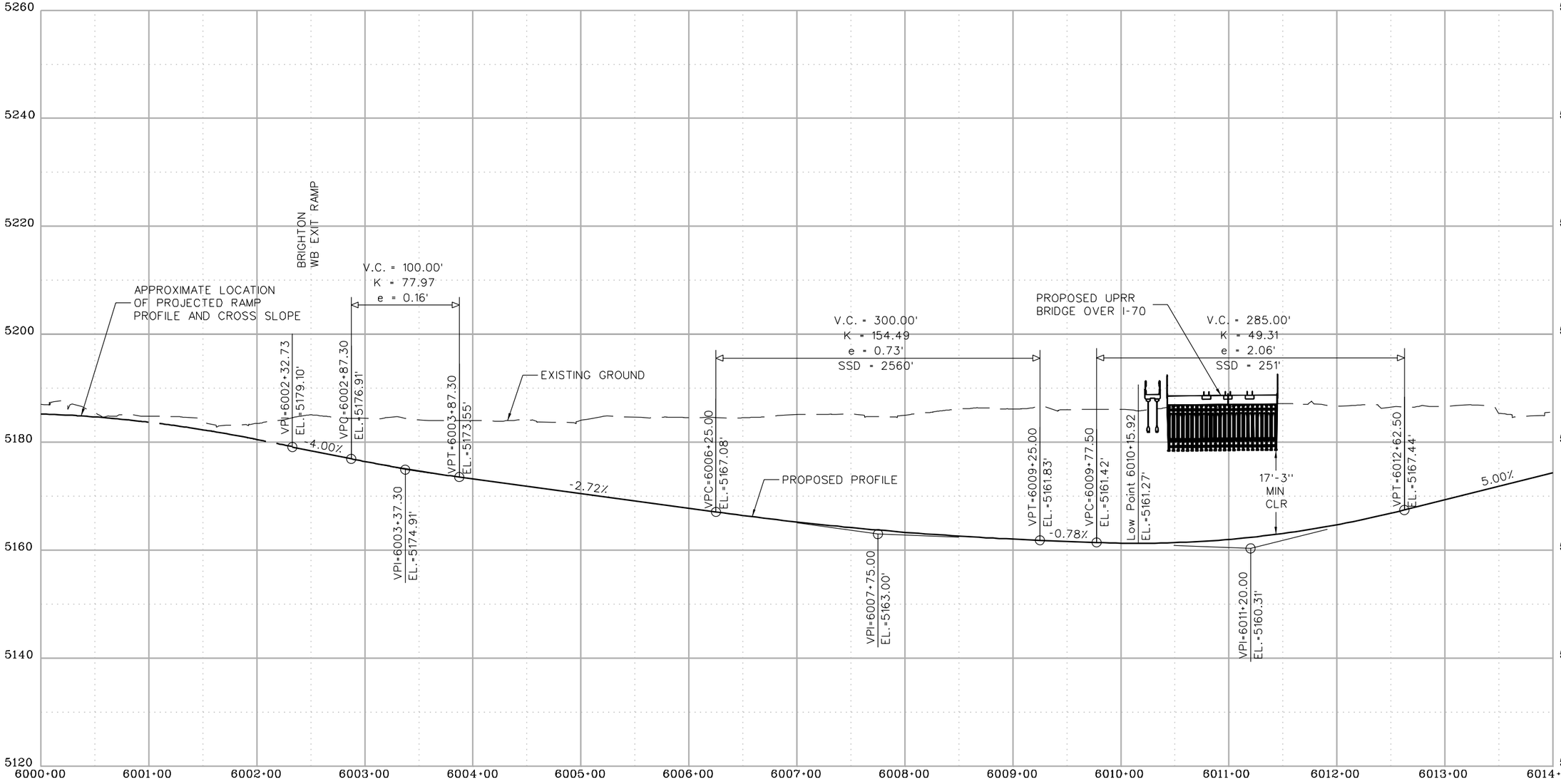
19631

Sheet Number 51



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
46TH AVE PROFILE WB
STA 6000+00 TO STA 6014+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	52 of 125

Project No./Code
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19631

Sheet Number 52

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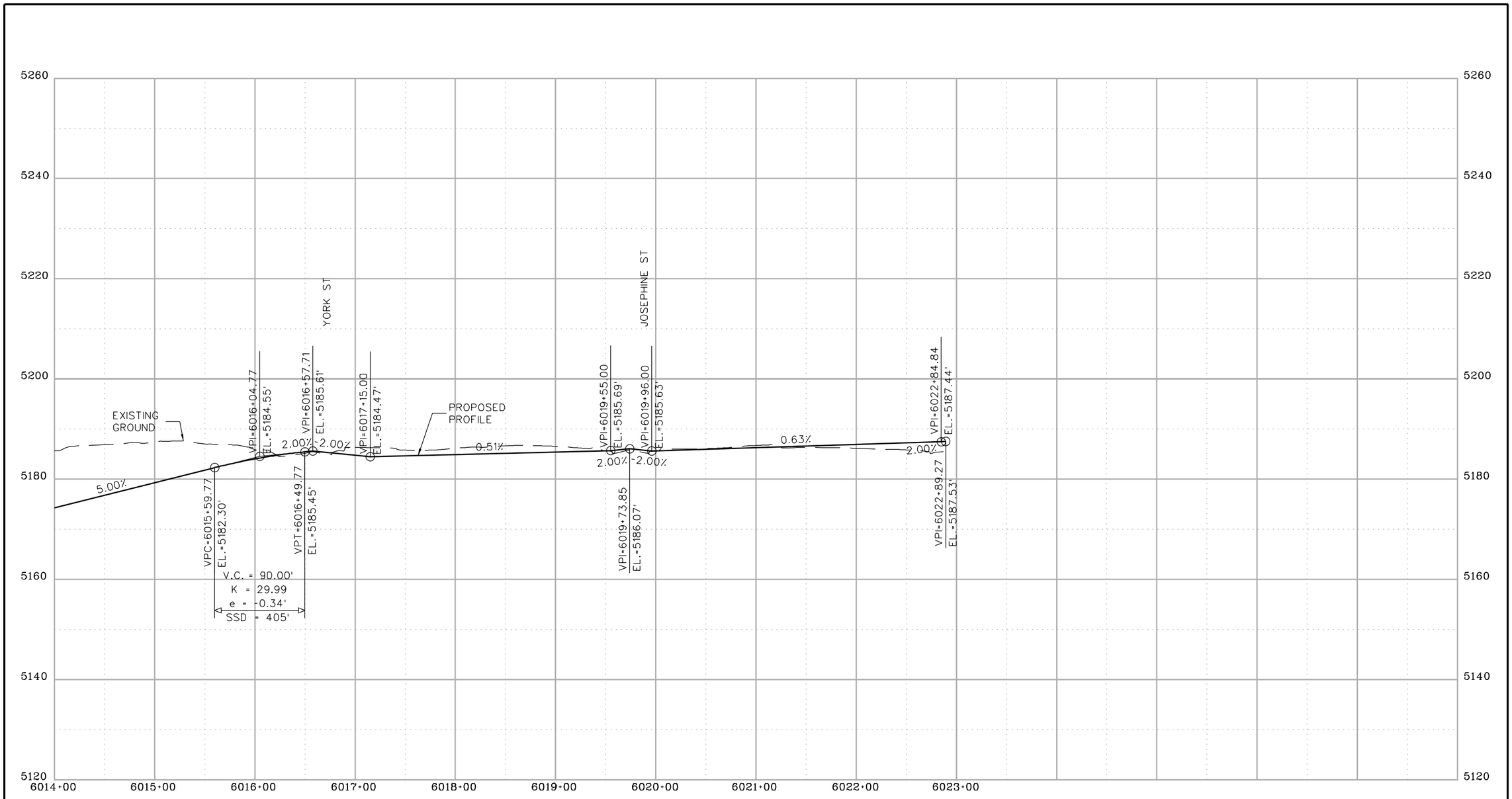


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

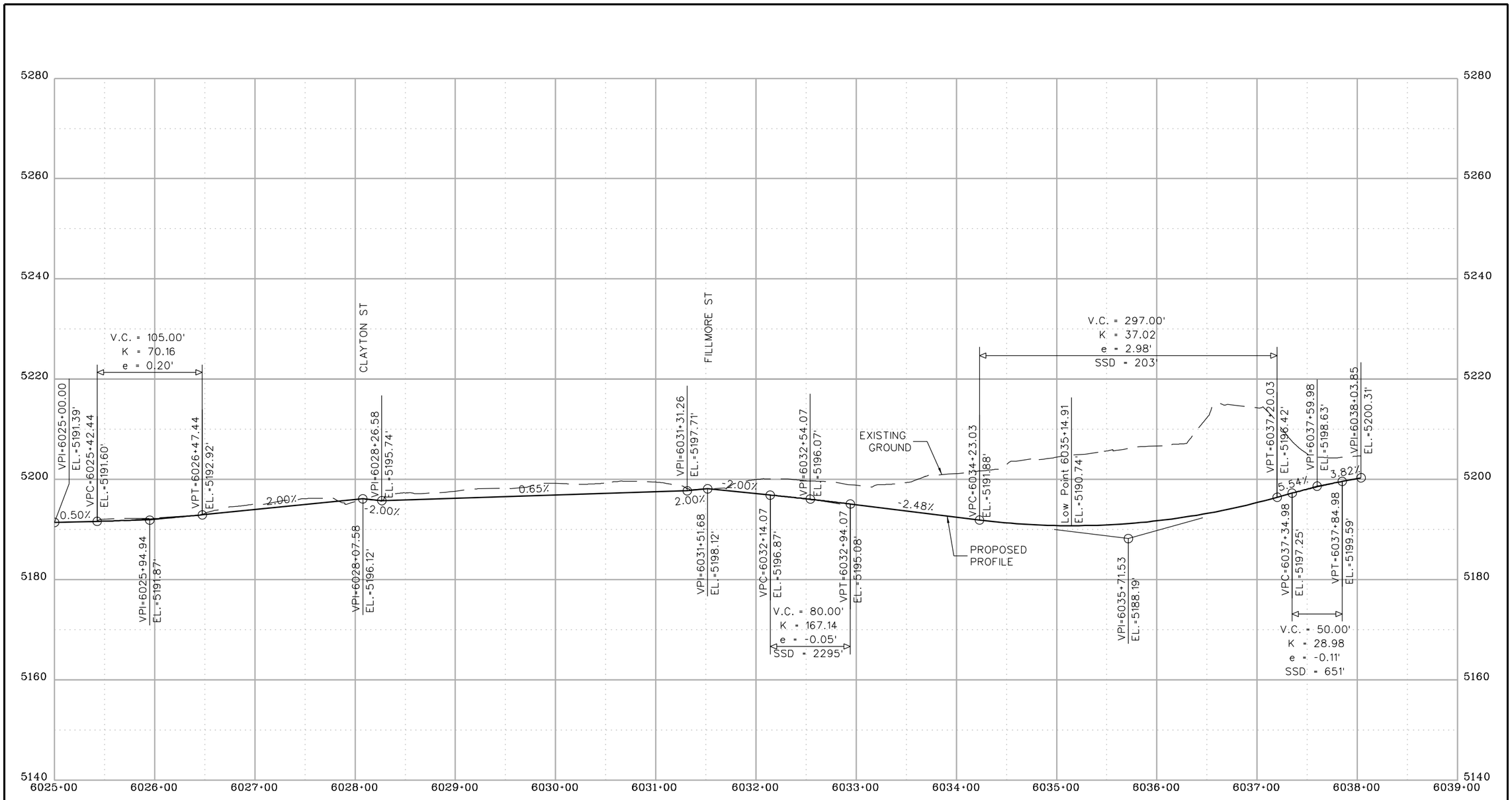
CENTRAL 70
46TH AVE PROFILE WB
STA 6014+00 TO STA 6023+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	53 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 53

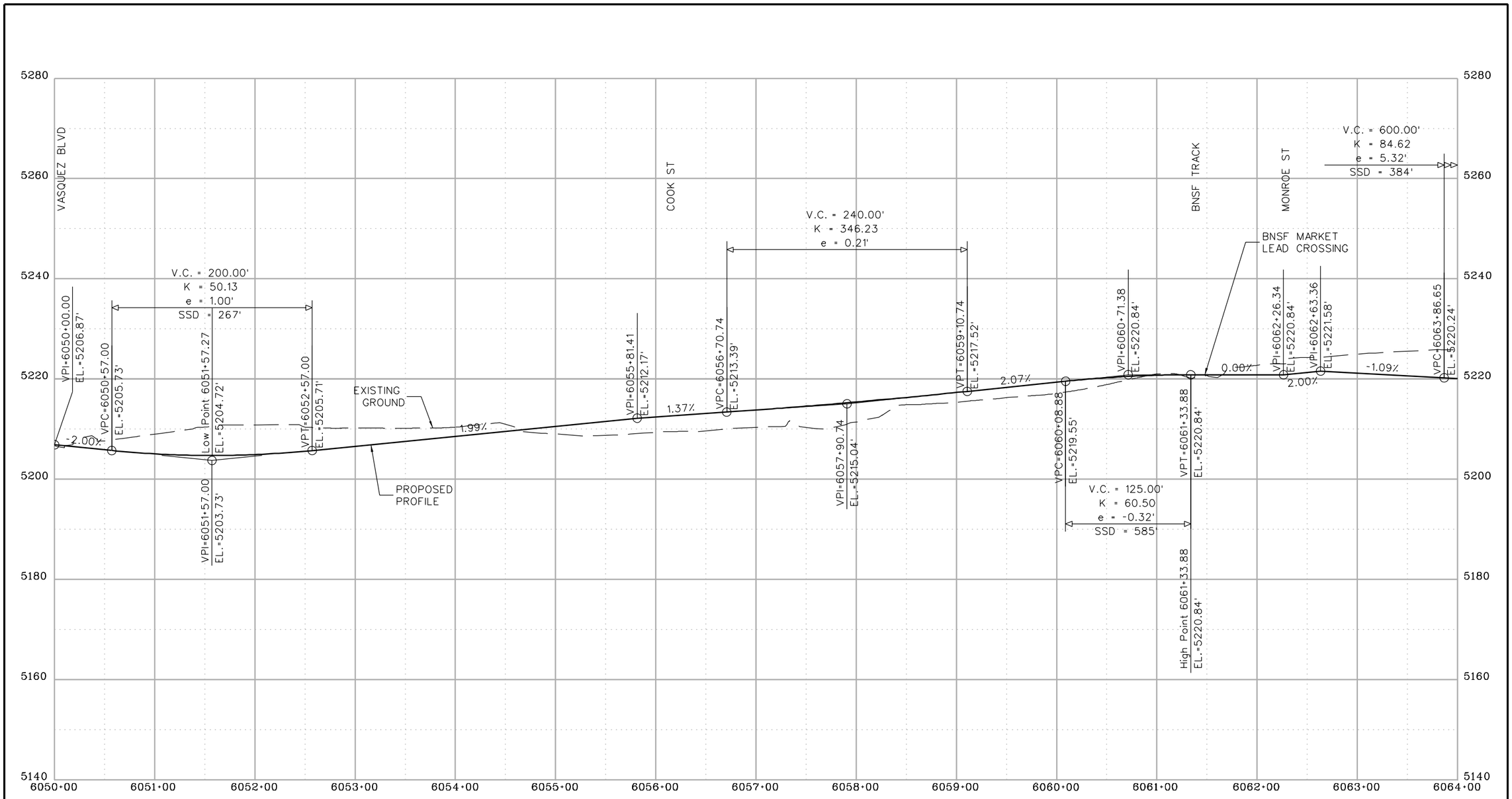


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 46TH AVE PROFILE WB STA 6025+00 TO STA 6039+00	Project No./Code FBR 0704-234
Designer: KMP Detailer: KMP Subset: PROFILES Structure Numbers: - / - Subset Sheets: 54 of 125	19631 Sheet Number 54



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

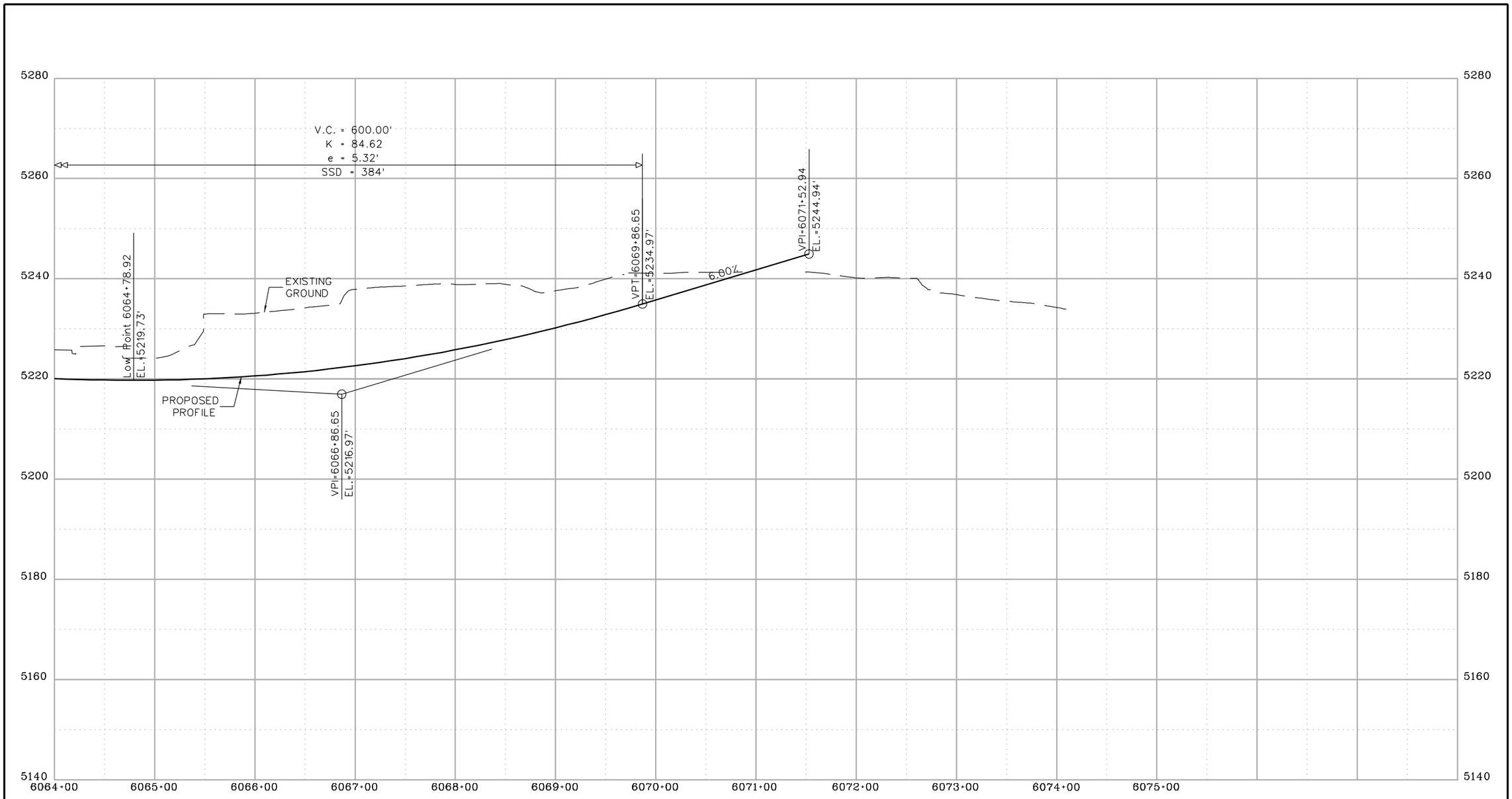
CENTRAL 70
46TH AVE PROFILE WB
STA 6050+00 TO STA 6064+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	55 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 55



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
46TH AVE PROFILE WB
STA 6050+00 TO STA 6064+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	56 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 56

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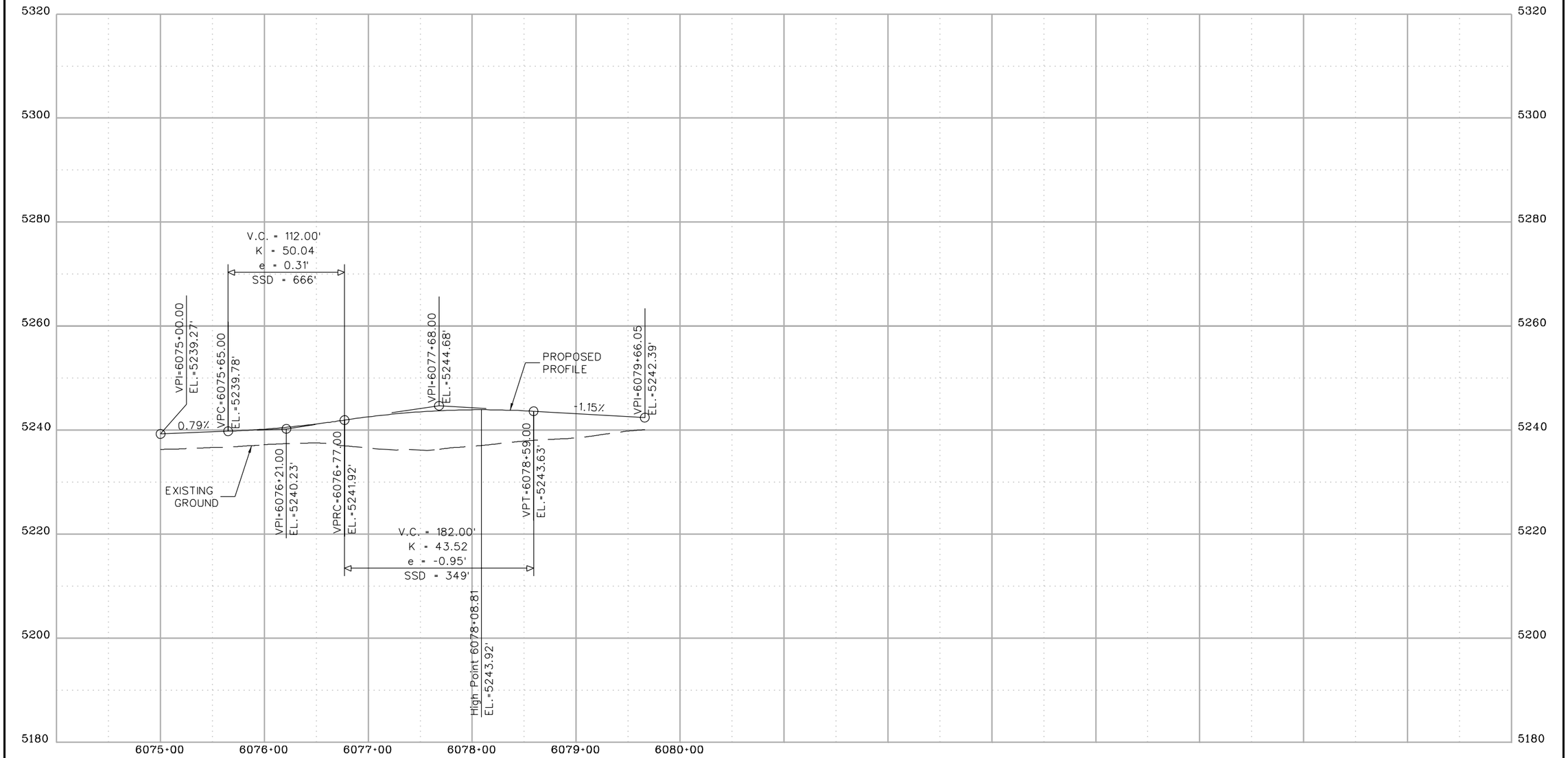


Kiewit meridiam PARTNERS

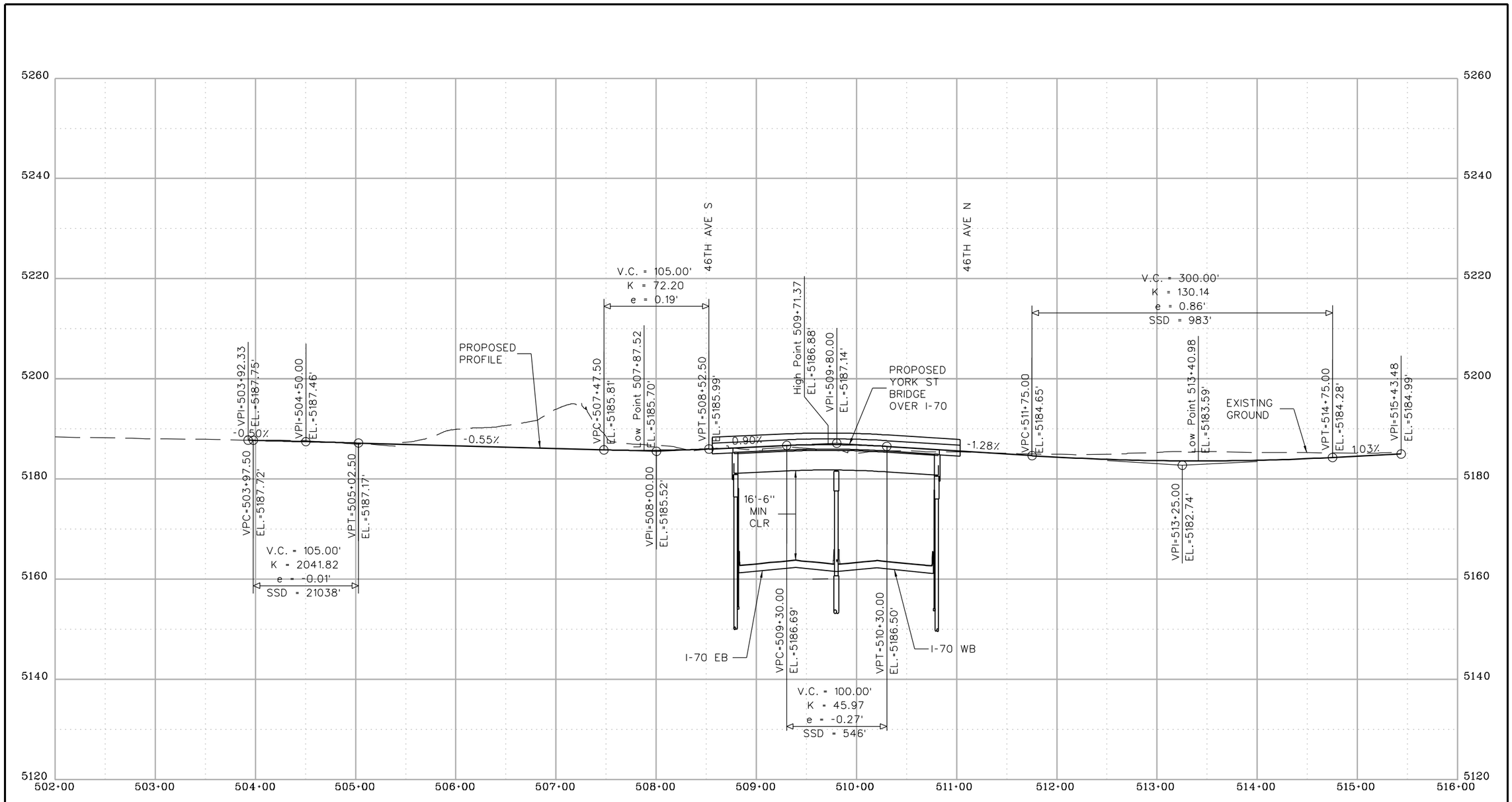
Central 70

0' 50' 100' 200'

CENTRAL 70
46TH AVE PROFILE WB
STA 6075+00 TO STA 6080+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	57 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 57

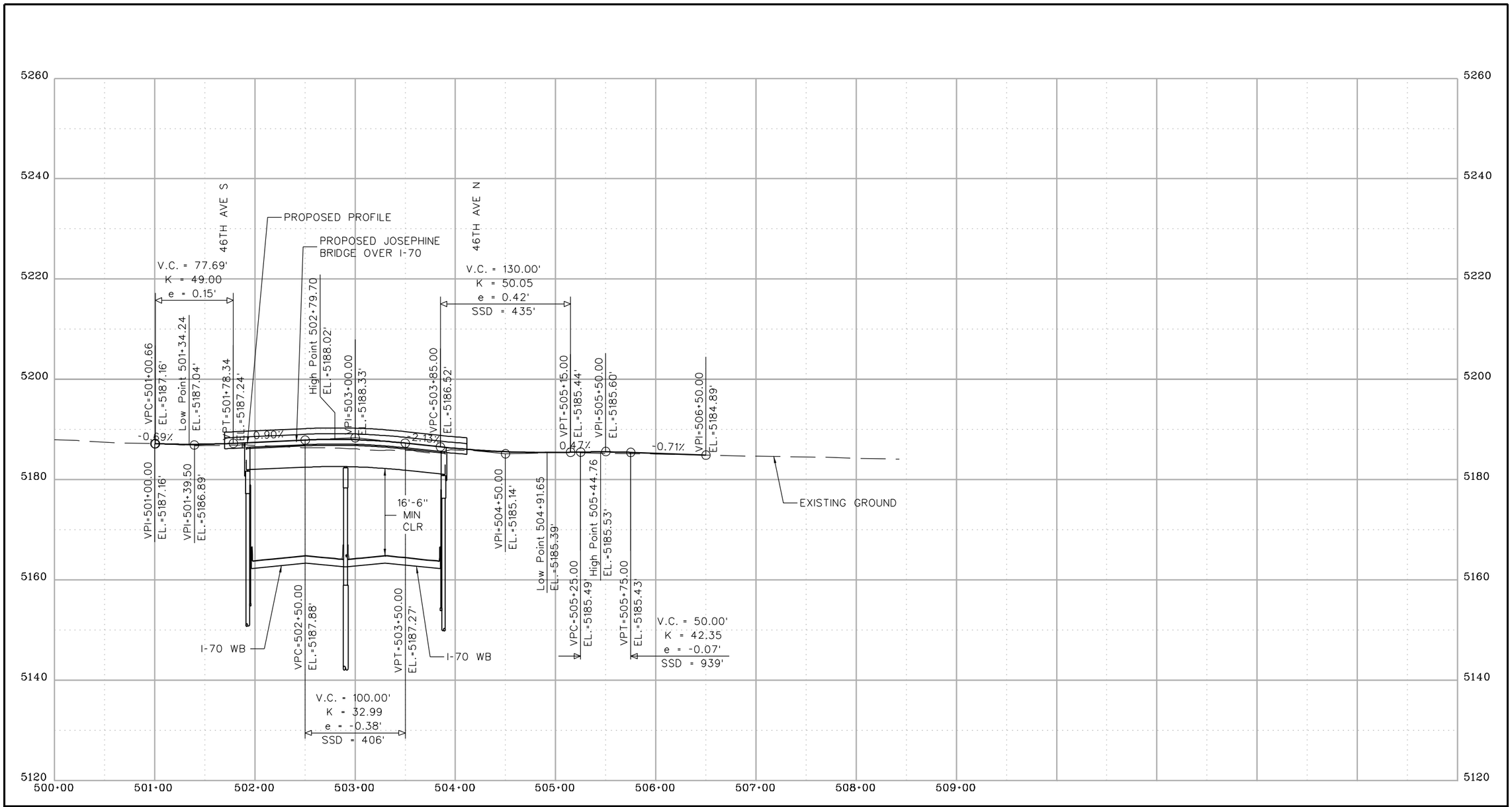


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 YORK ST PROFILE				Project No./Code FBR 0704-234
Designer: KMP		Structure Numbers	-	19631
Detailer: KMP			-	
Subset: PROFILES		Subset Sheets: 58 of 125		Sheet Number 58

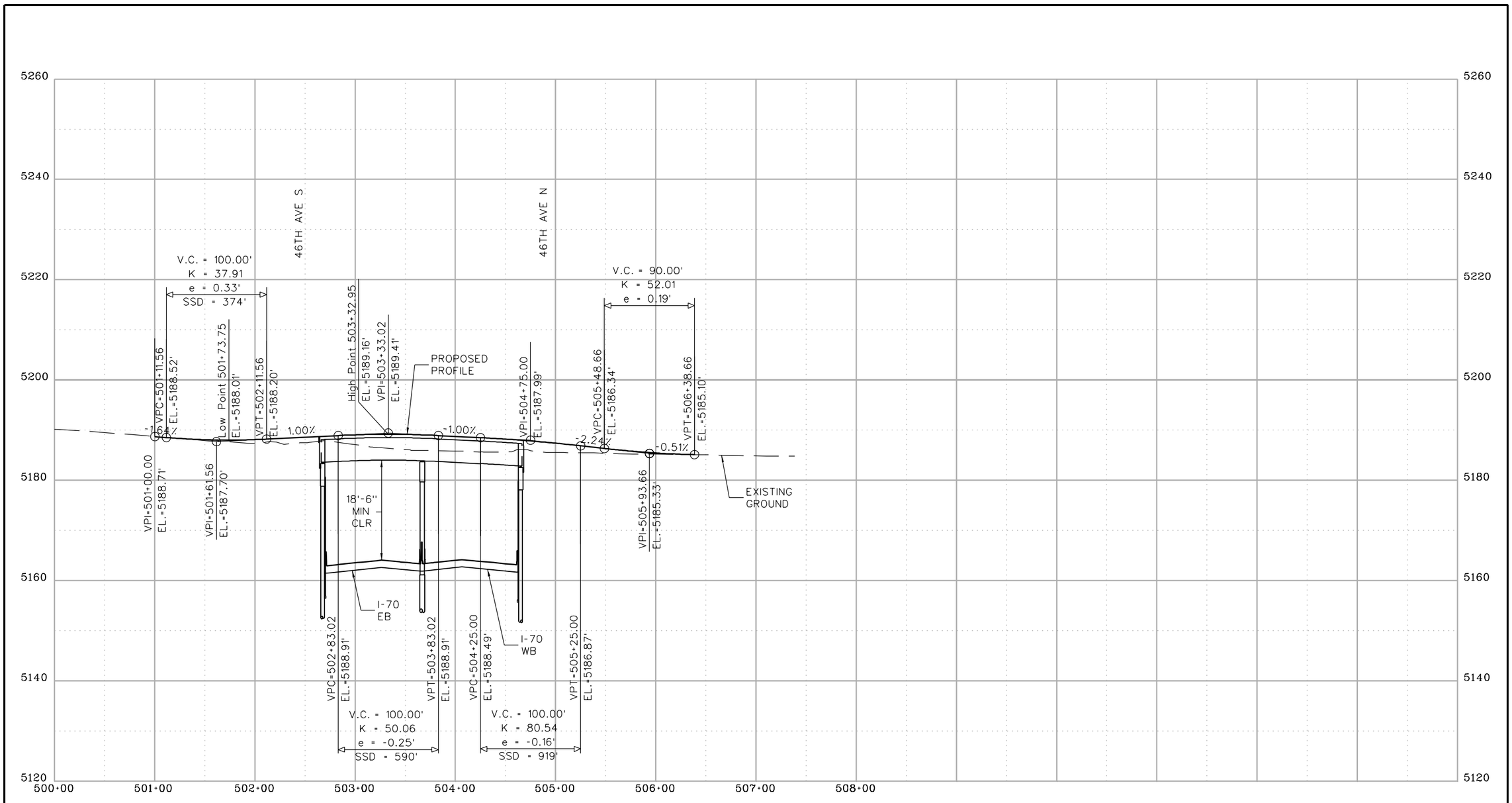


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 JOSEPHINE ST PROFILE				Project No./Code FBR 0704-234
Designer: KMP		Structure Numbers	-	19631
Detailer: KMP			-	
Subset: PROFILES		Subset Sheets: 59 of 125		Sheet Number 59



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

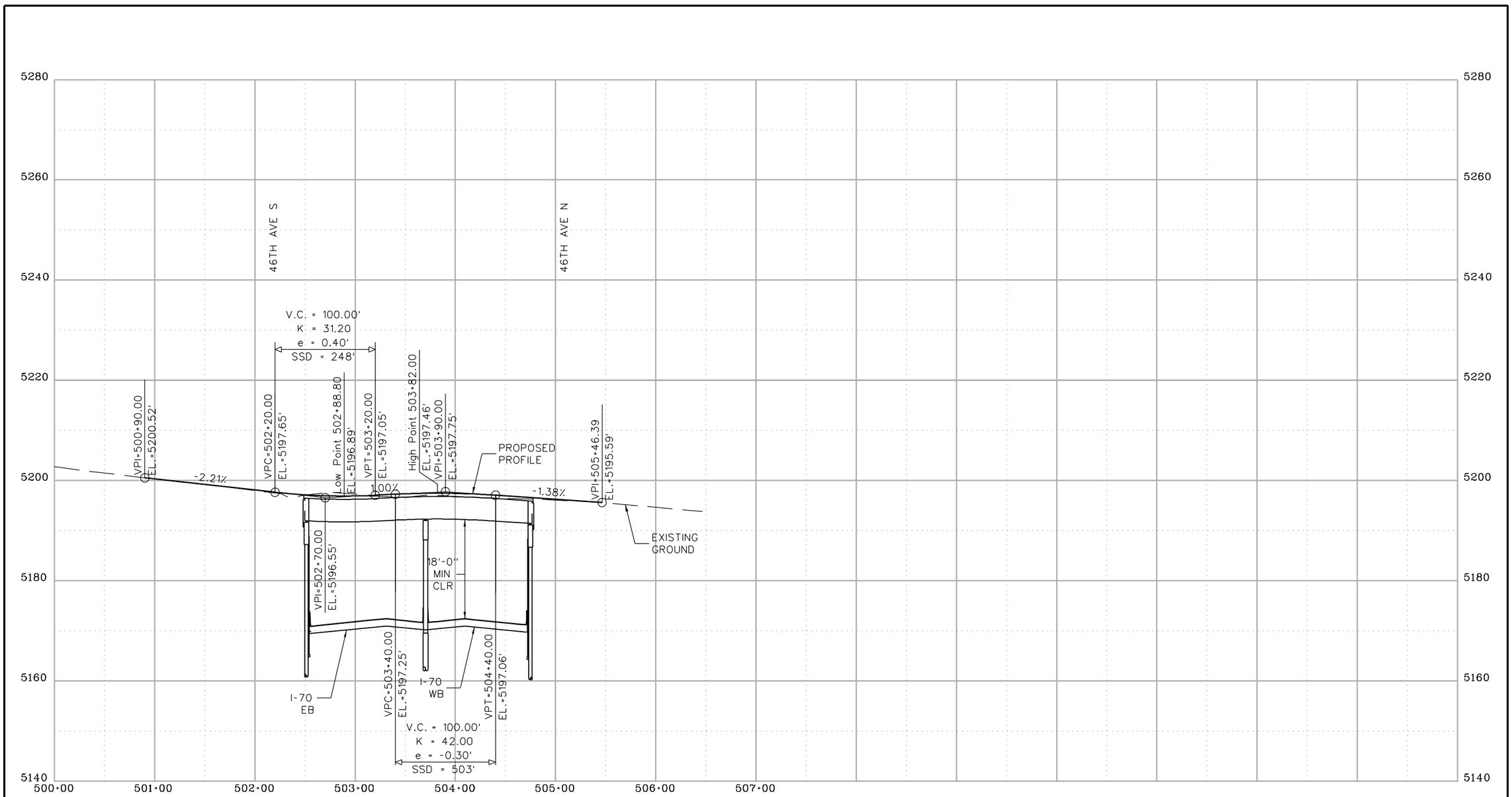
CENTRAL 70 COLUMBINE ST PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	60 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 60

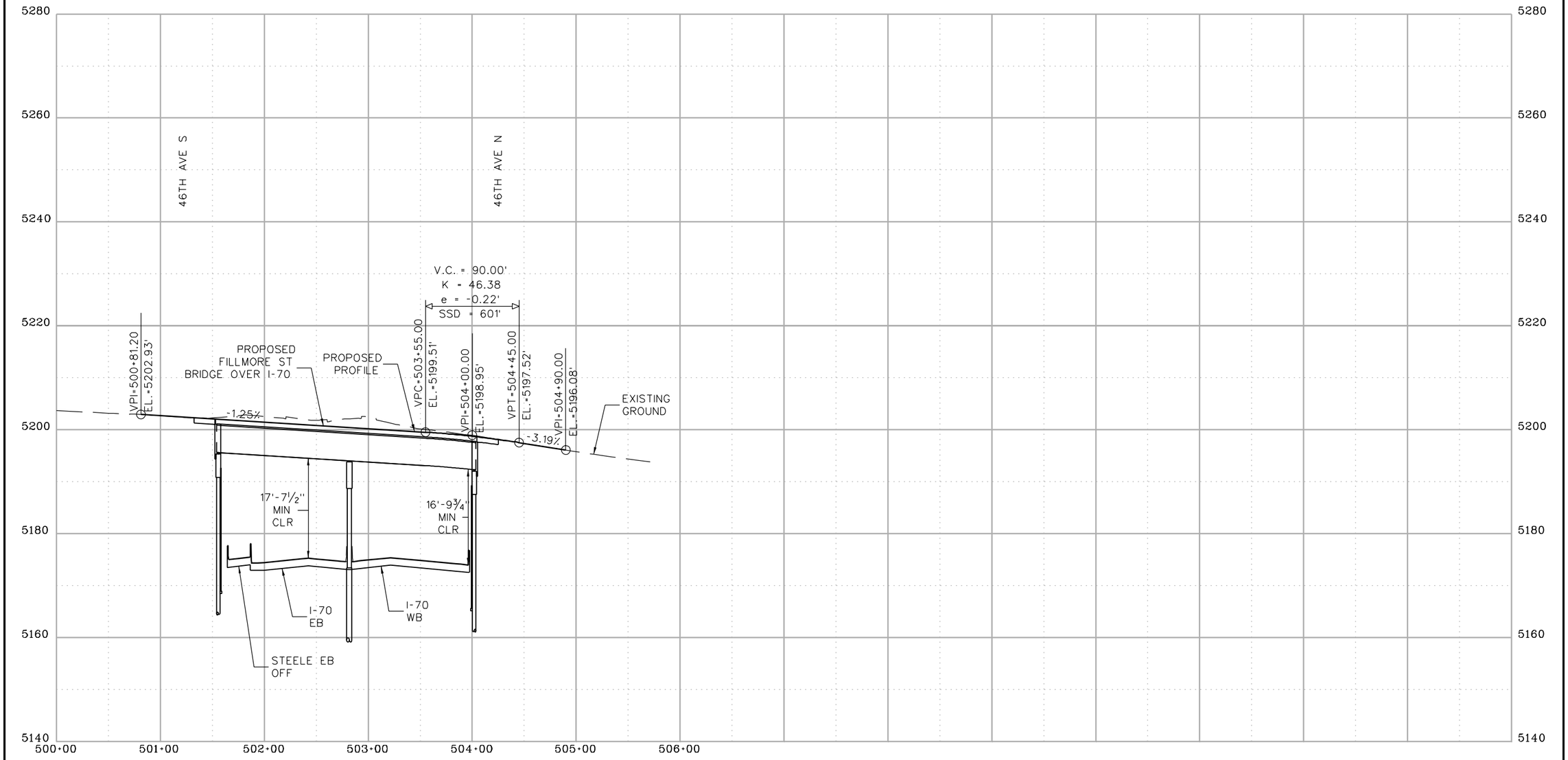


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 CLAYTON ST PROFILE				Project No./Code FBR 0704-234
Designer: KMP		Structure Numbers	-	19631
Detailer: KMP			-	
Subset: PROFILES		Subset Sheets: 61 of 125		Sheet Number 61

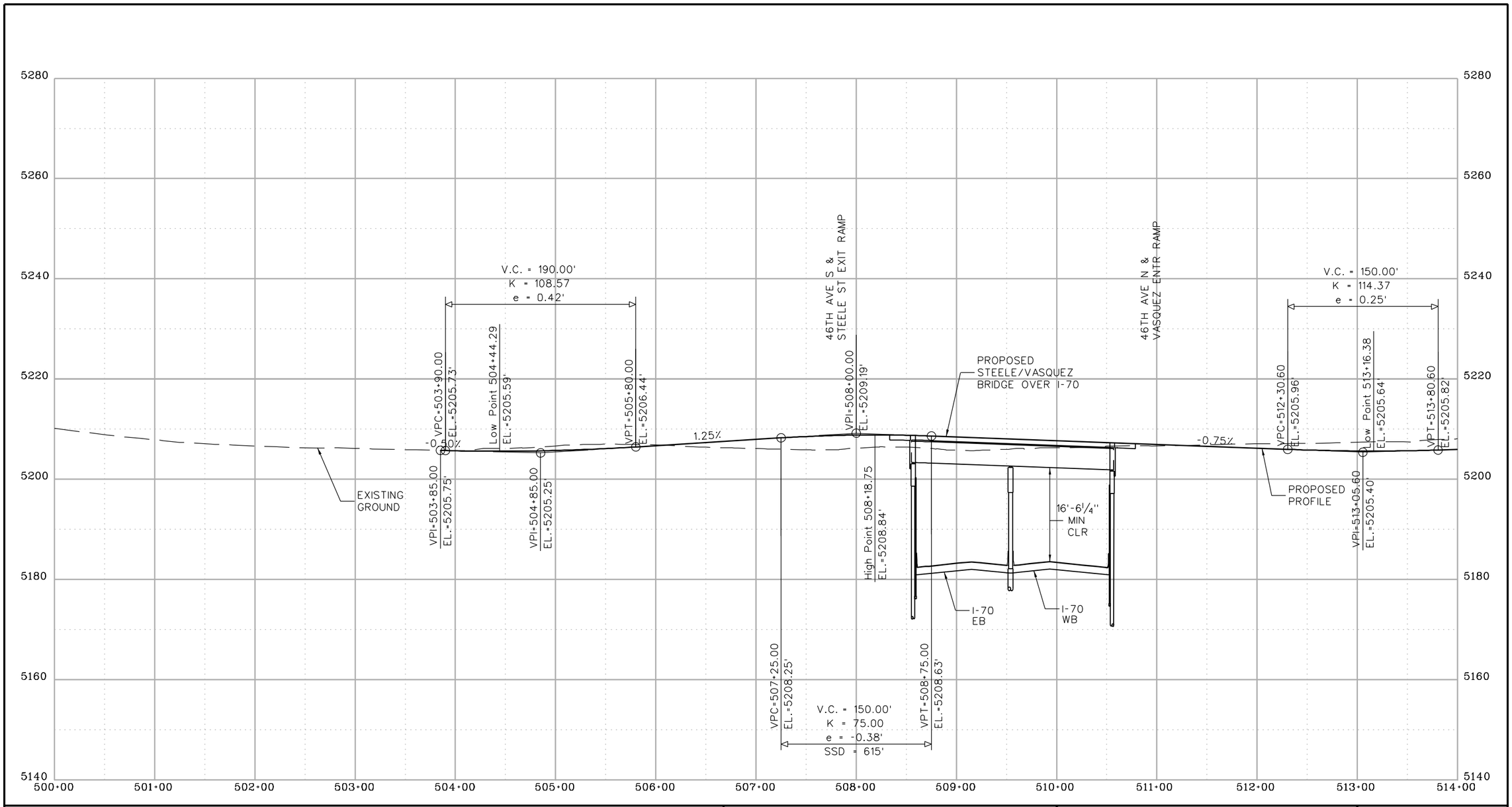


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 FILLMORE ST PROFILE			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets: 62 of 125		Sheet Number 62

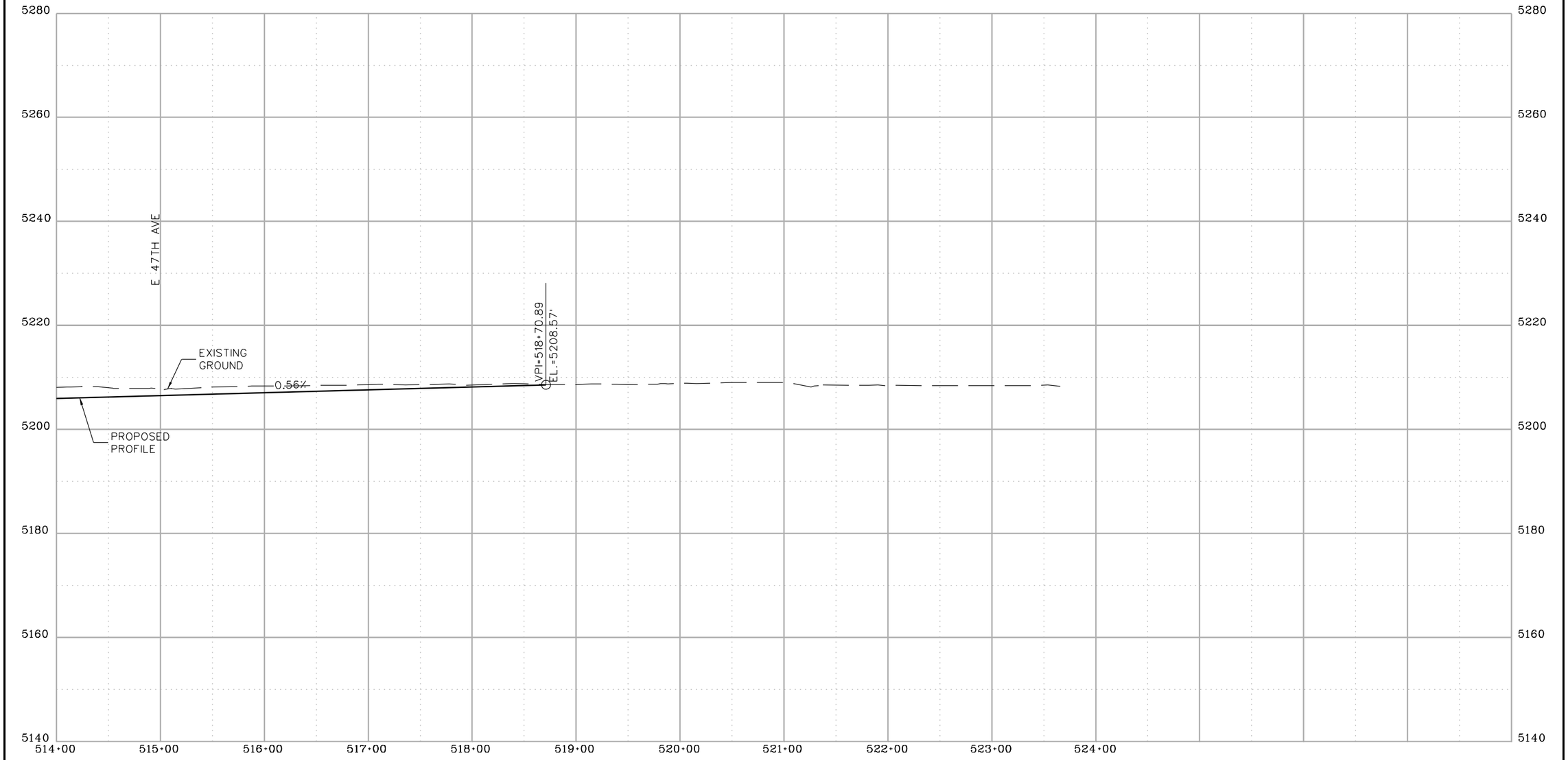


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 STEELE ST/VASQUEZ BLVD PROFILE STA 500+00 TO STA 514+00	Project No./Code FBR 0704-234
Designer: KMP Detailer: KMP Subset: PROFILES Structure Numbers: - Subset Sheets: 63 of 125	19631 Sheet Number 63



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

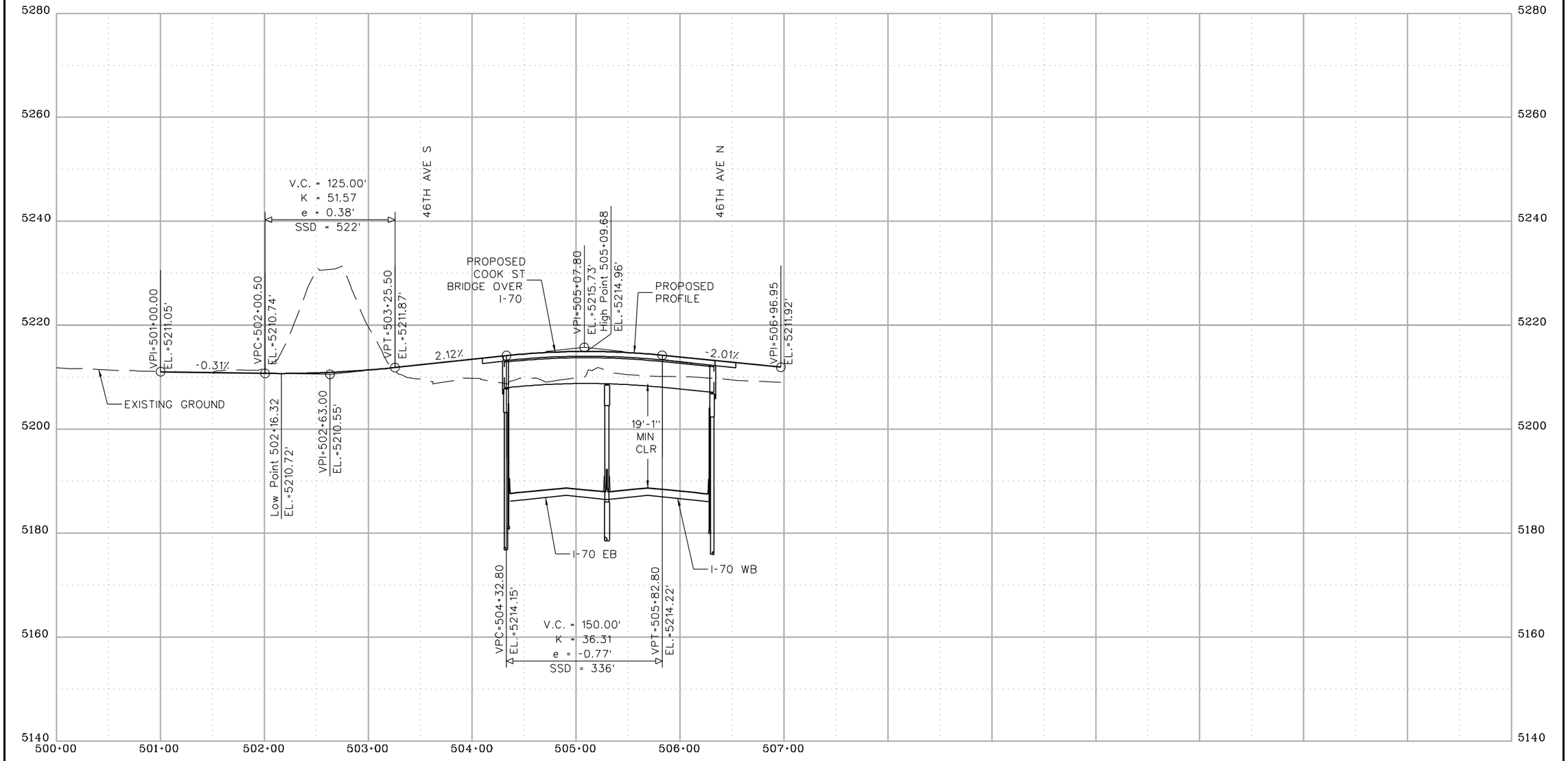
CENTRAL 70
STEELE ST/VASQUEZ BLVD PROFILE
STA 514+00 TO STA 524+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	64 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 64



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
COOK ST
PROFILE

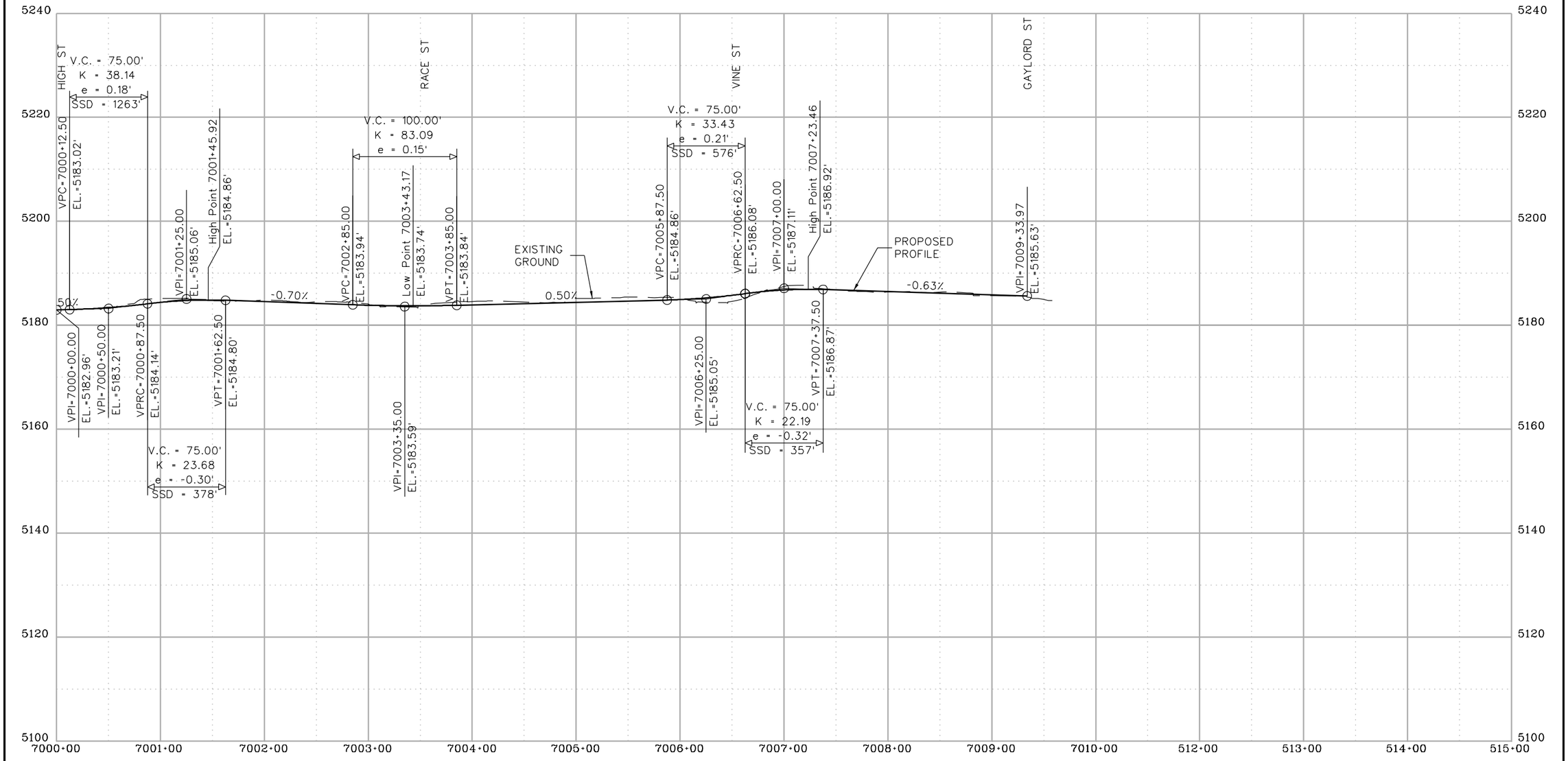
Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	65 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 65

Heidenreich 2:25:08 PM pw:\\projectwise.ppid.com:pwiseV8i\Documents\Central 70\Design\Drawings\11X17 Sheets (Appendix A)\135990ES_PROF-Plan65.dgn



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

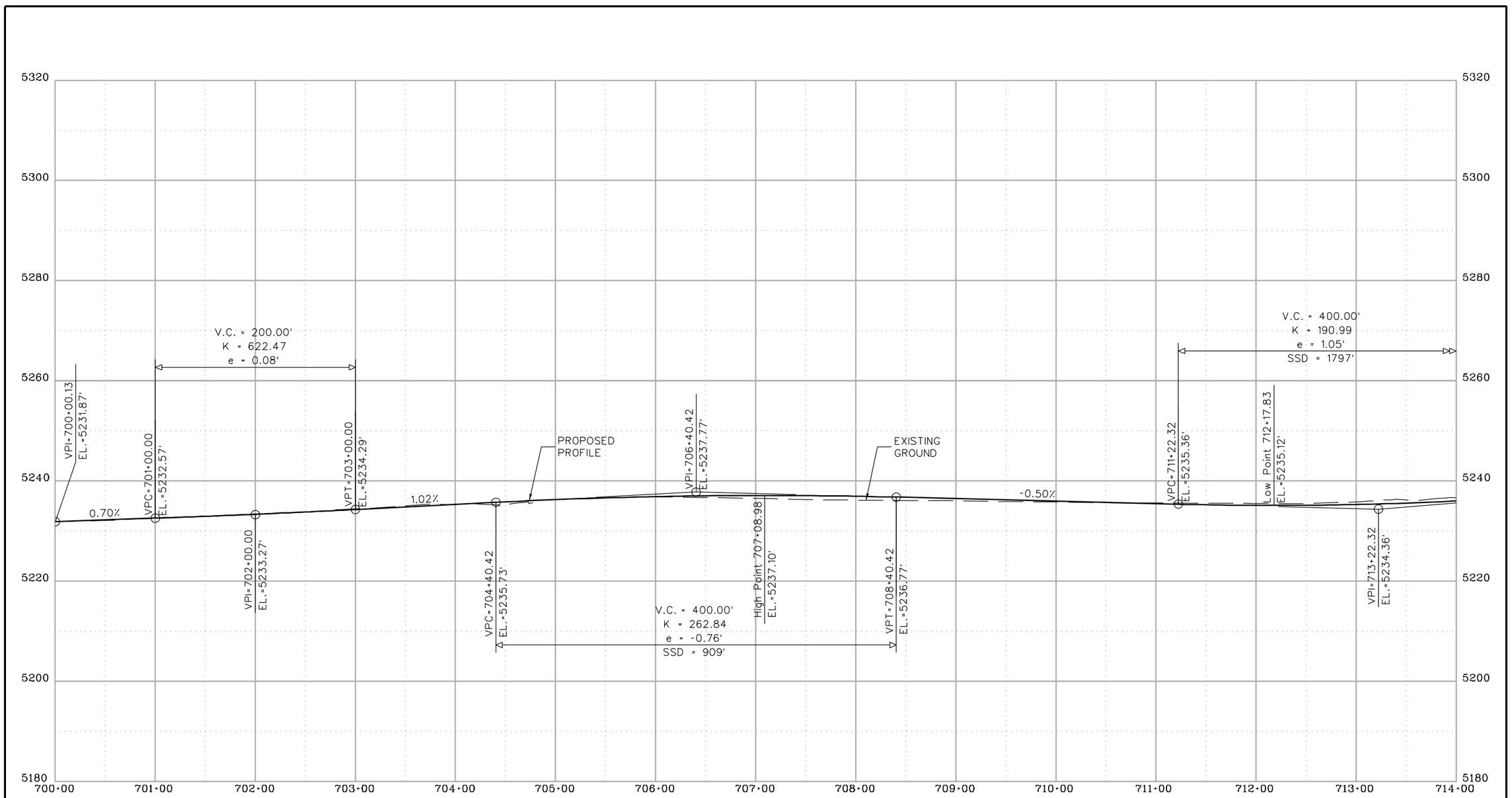
CENTRAL 70
ACCESS RD 1
PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	66 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 66



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
ACCESS RD 2 PROFILE
STA 700+00 TO STA 714+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	67 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 67

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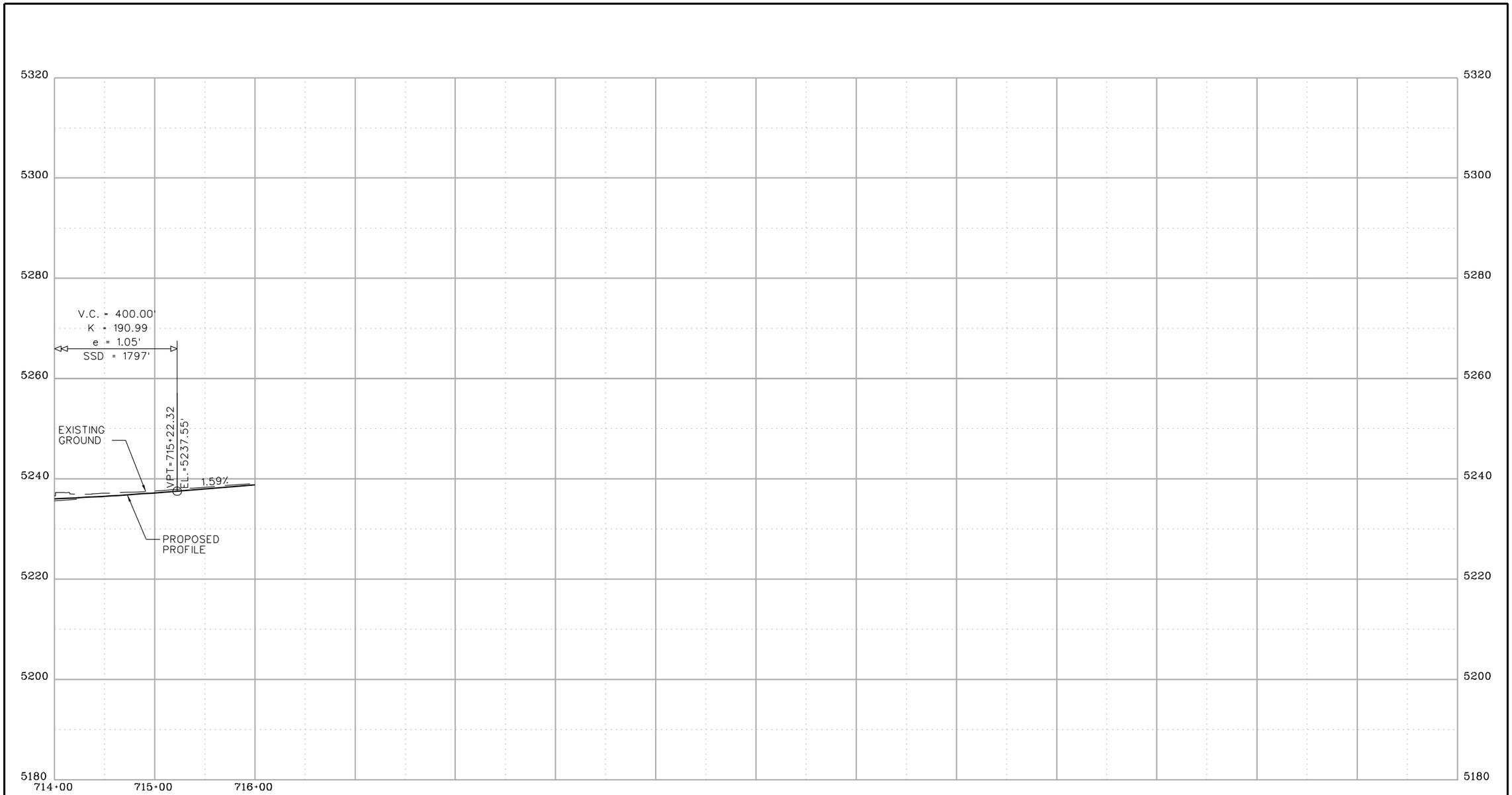


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

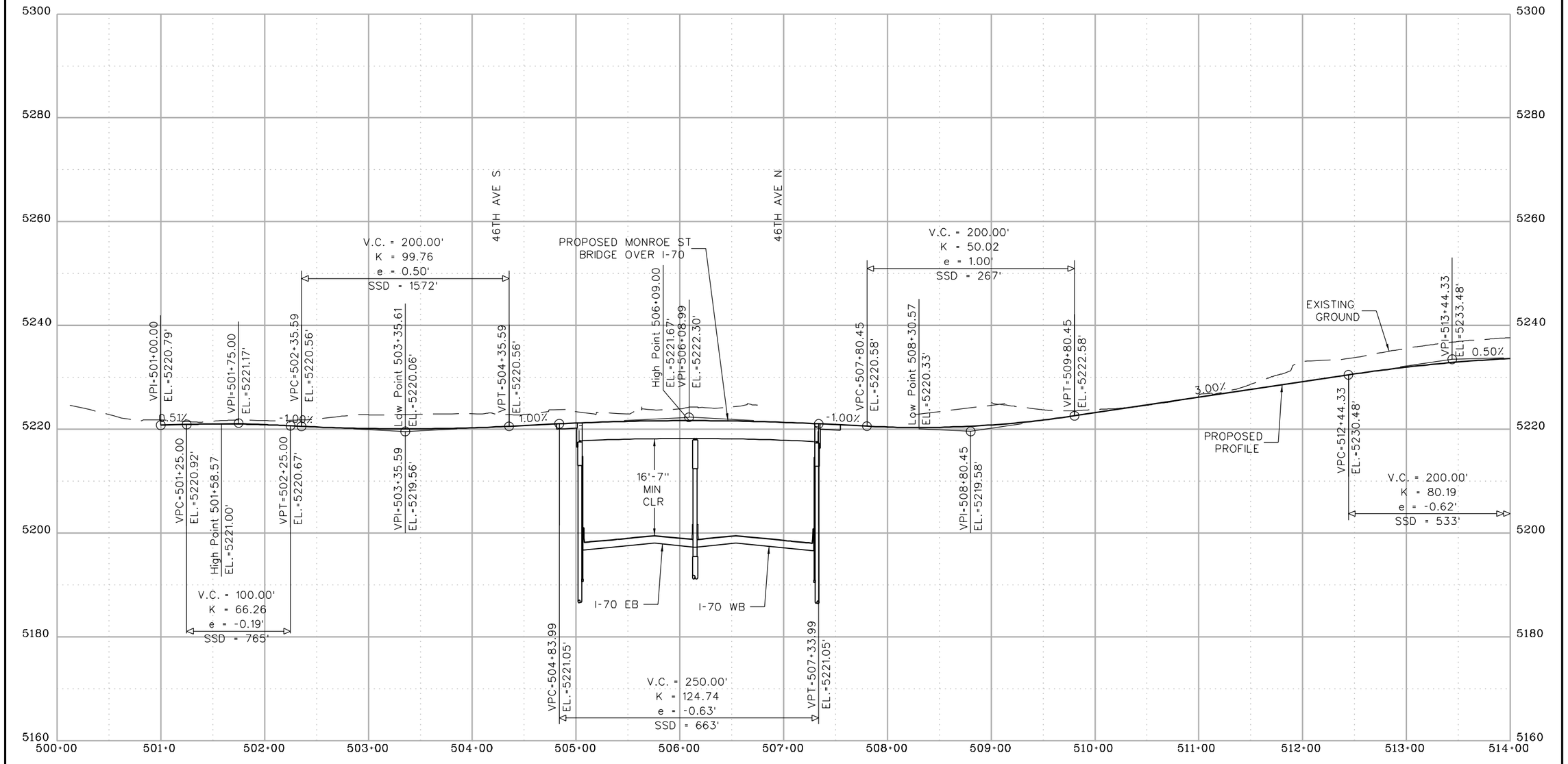
CENTRAL 70
ACCESS RD 2 PROFILE
STA 714+00 TO STA 716+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	68 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 68

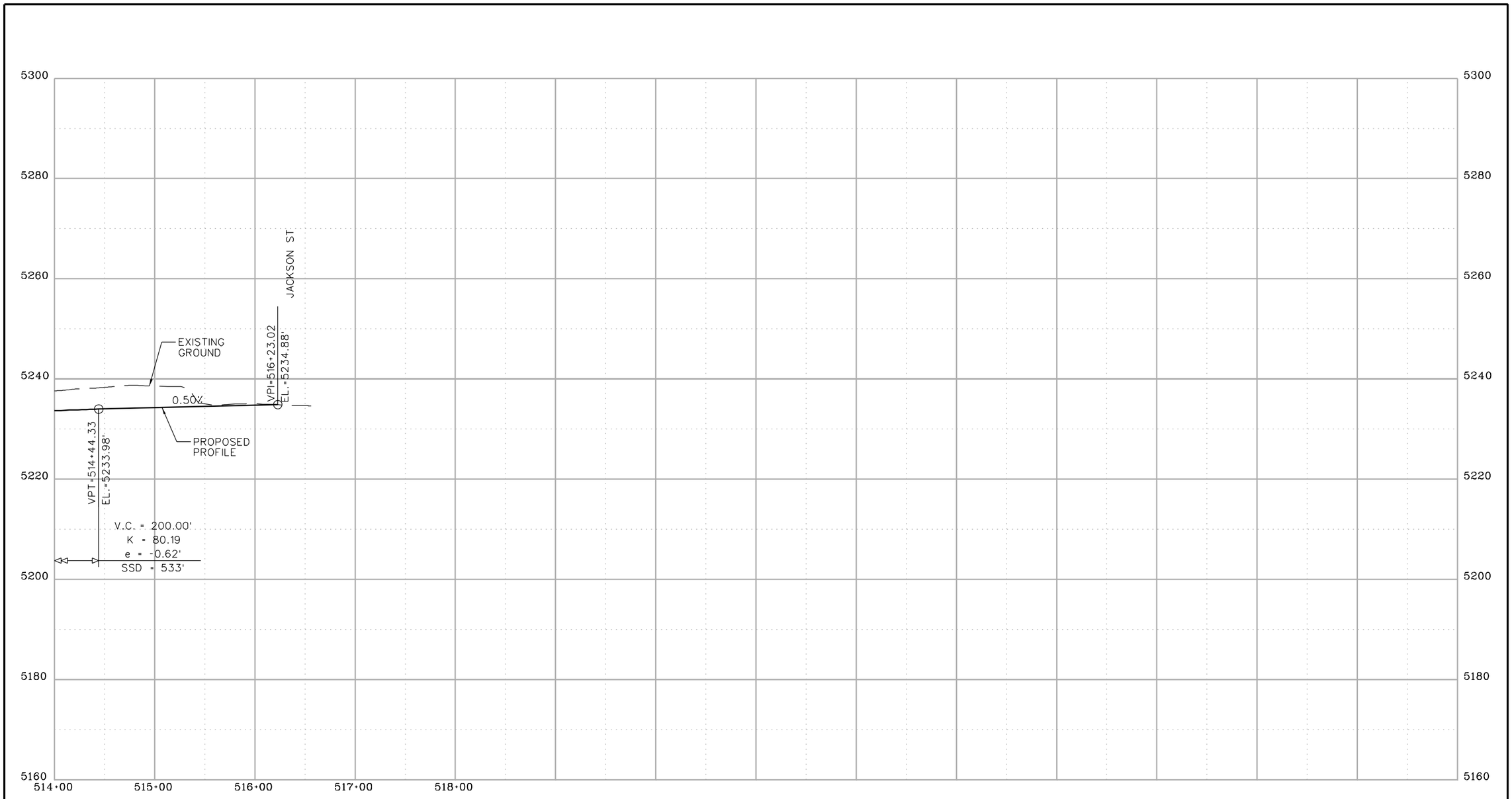


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 MONROE ST PROFILE STA 500+00 TO STA 514+00				Project No./Code FBR 0704-234
Designer: KMP		Structure Numbers	-	19631
Detailer: KMP			-	
Subset: PROFILES		Subset Sheets: 69 of 125		Sheet Number 69



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

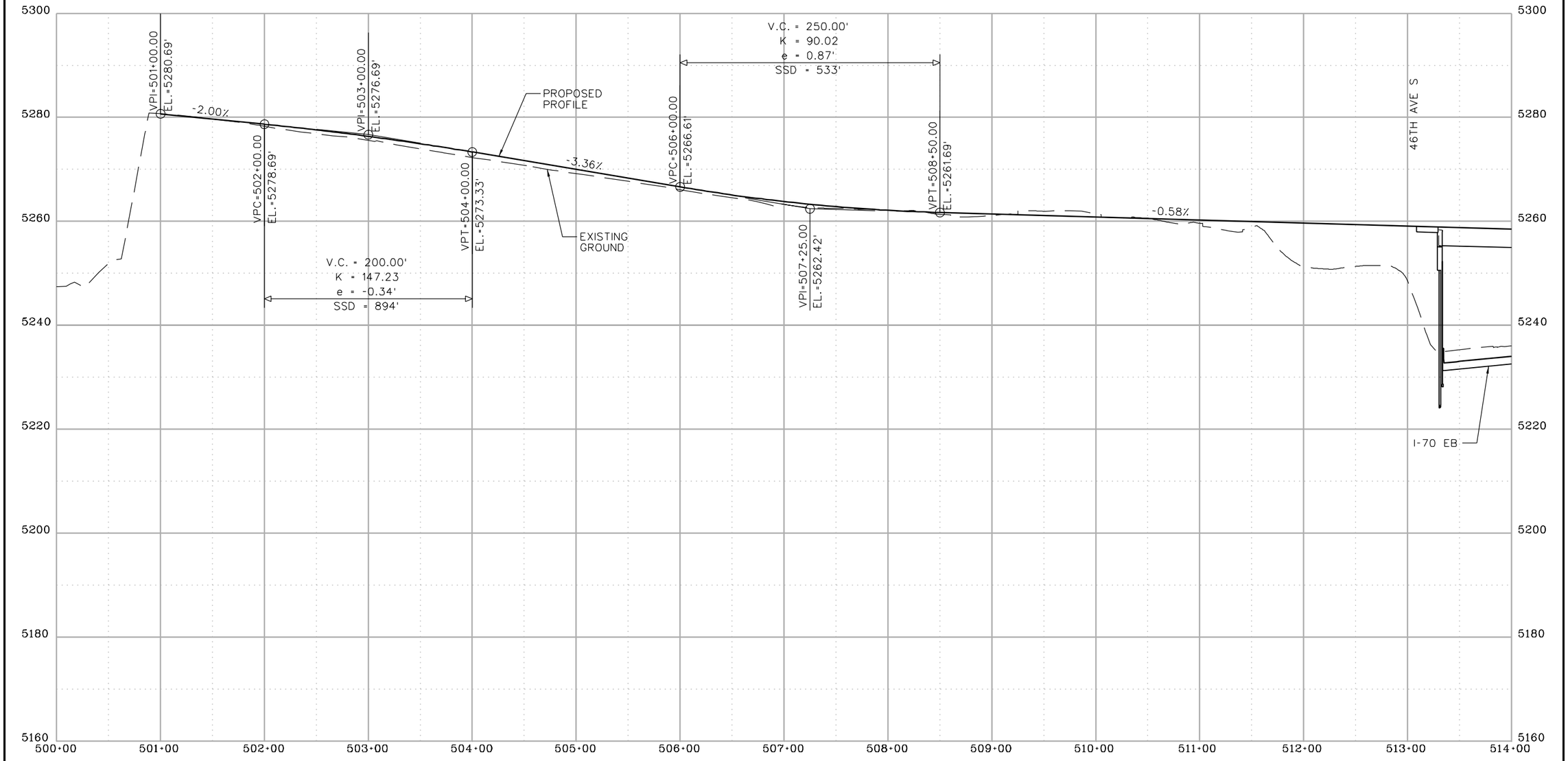
CENTRAL 70
MONROE ST PROFILE
STA 514+00 TO STA 518+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	70 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 70



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

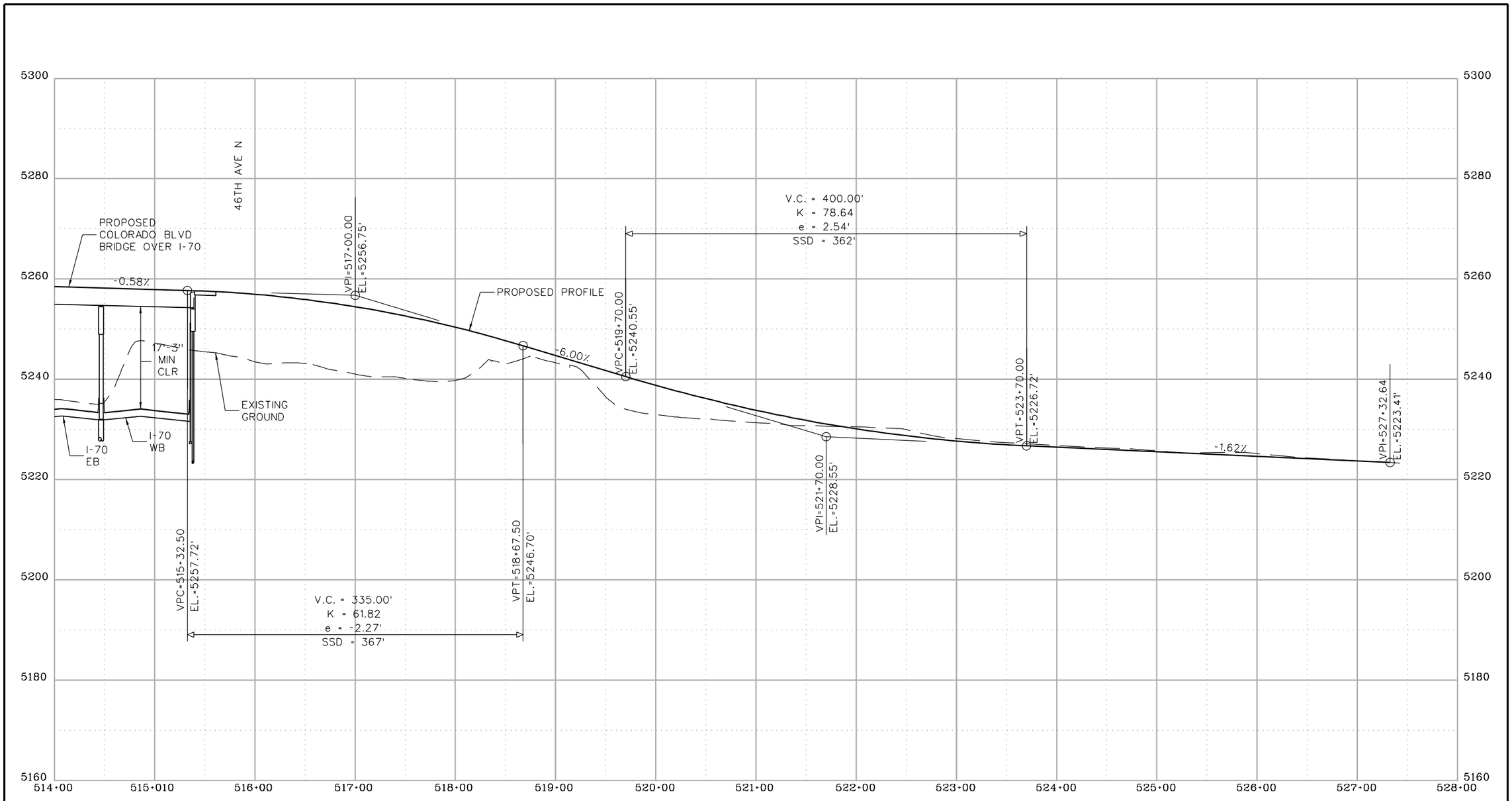
CENTRAL 70
COLORADO BLVD PROFILE
STA 500+00 TO STA 514+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	71 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 71



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

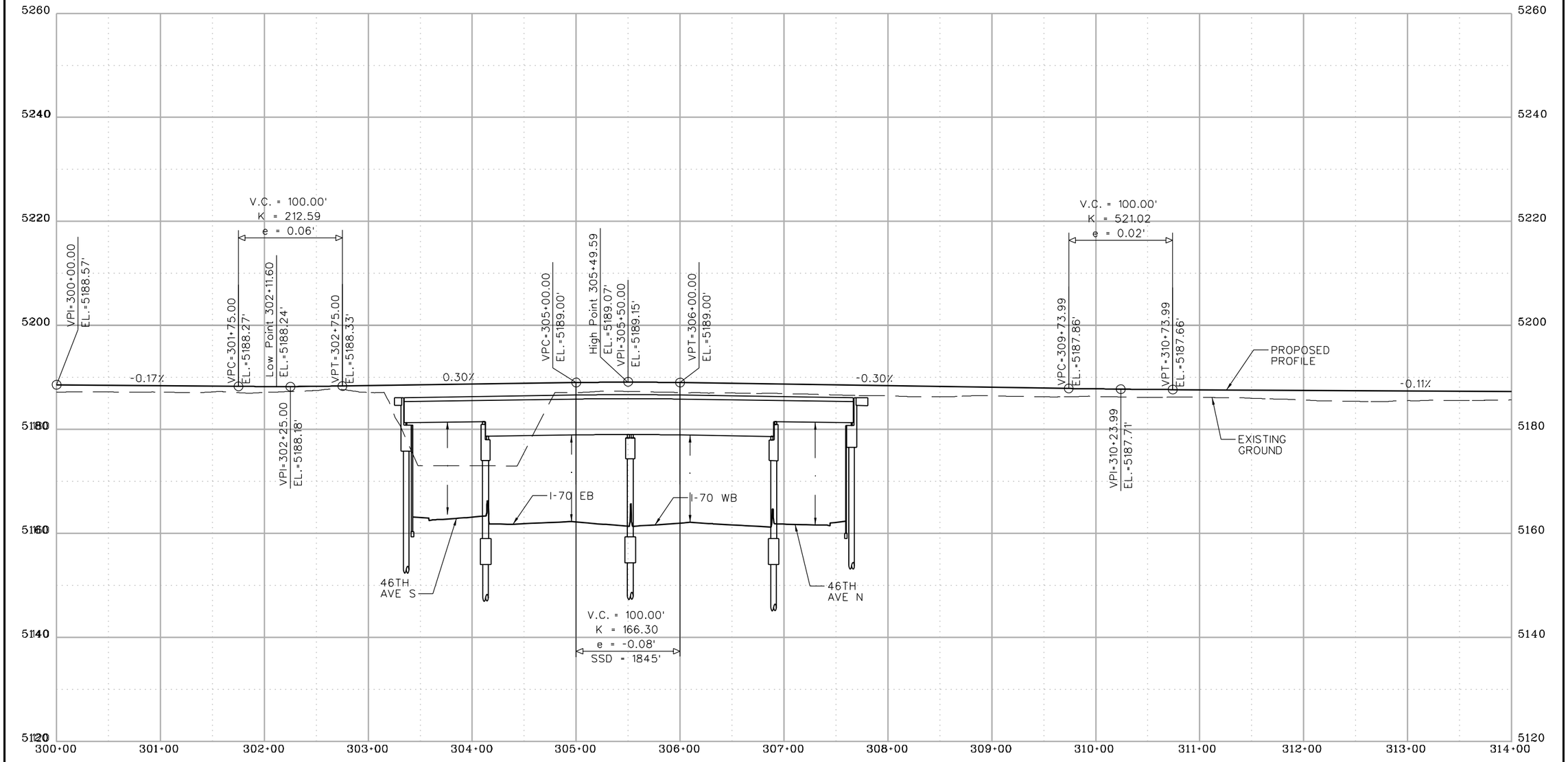
CENTRAL 70
COLORADO BLVD PROFILE
STA 514+00 TO STA 528+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	72 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 72



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

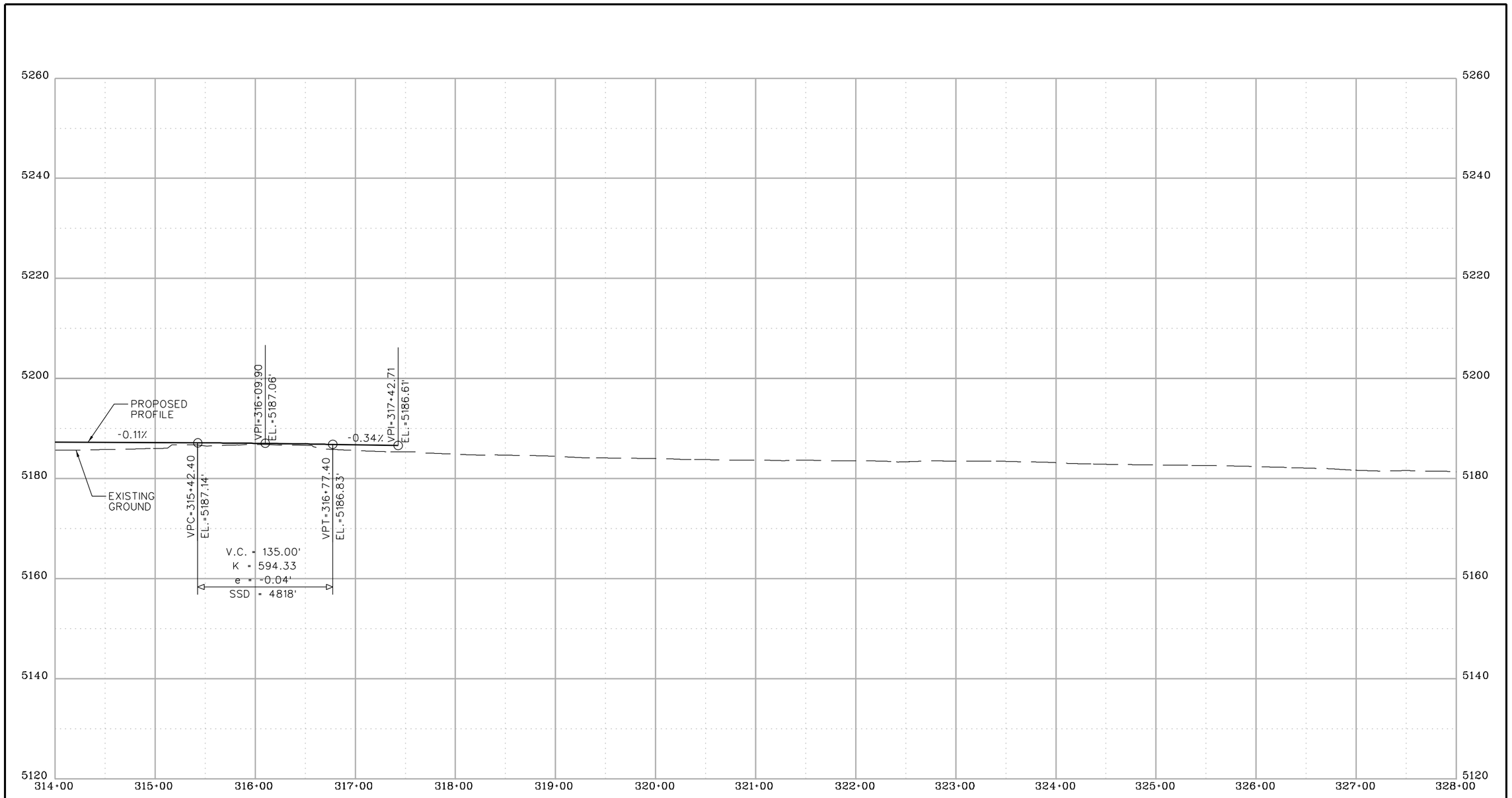
CENTRAL 70
UPRR PROFILE
STA 300+00 TO STA 314+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	73 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 73



Kiewit meridiam PARTNERS

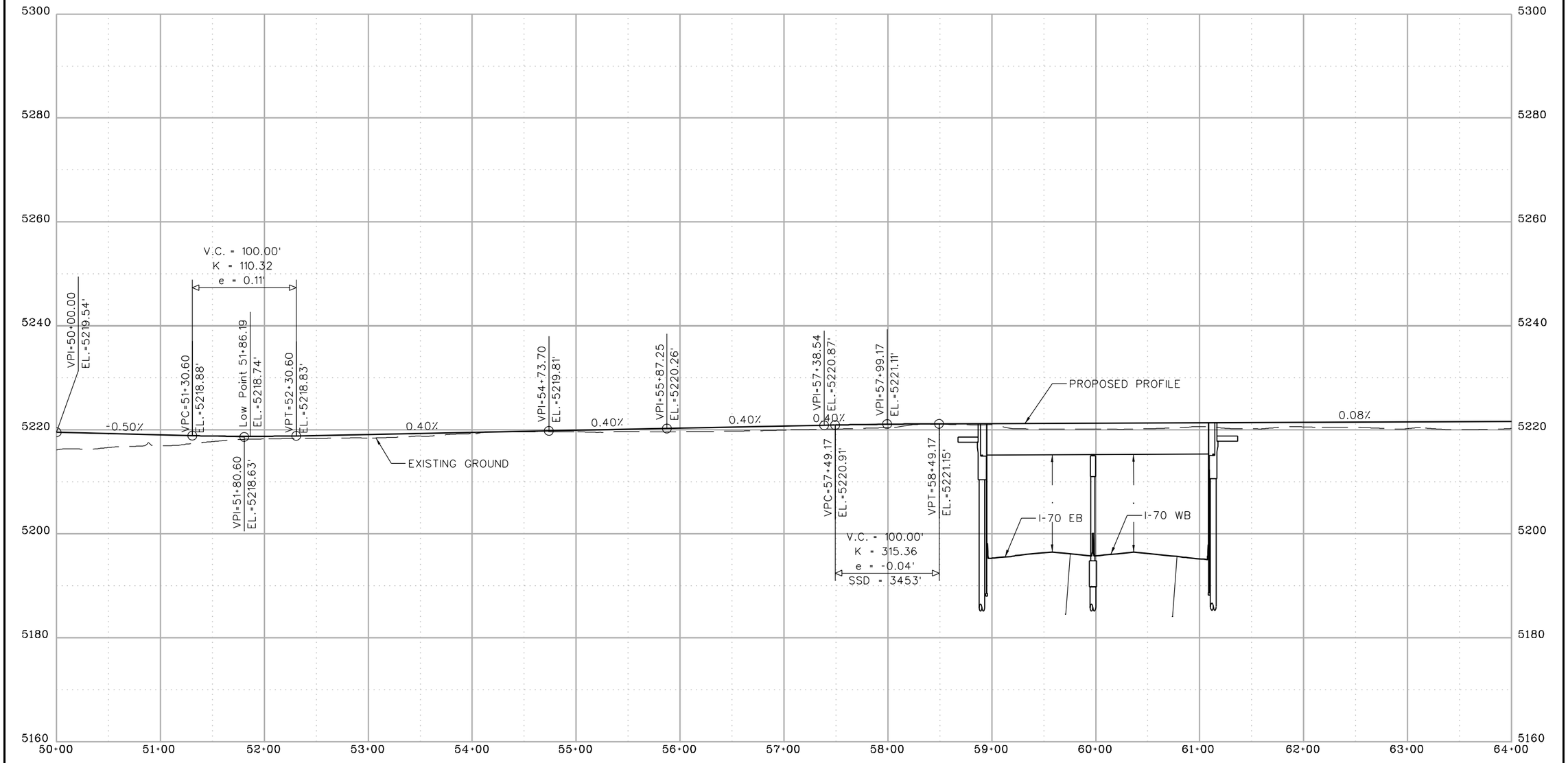
Central 70

0' 50' 100' 200'

CENTRAL 70
UPRR PROFILE
STA 314+00 TO STA 328+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	74 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 74



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

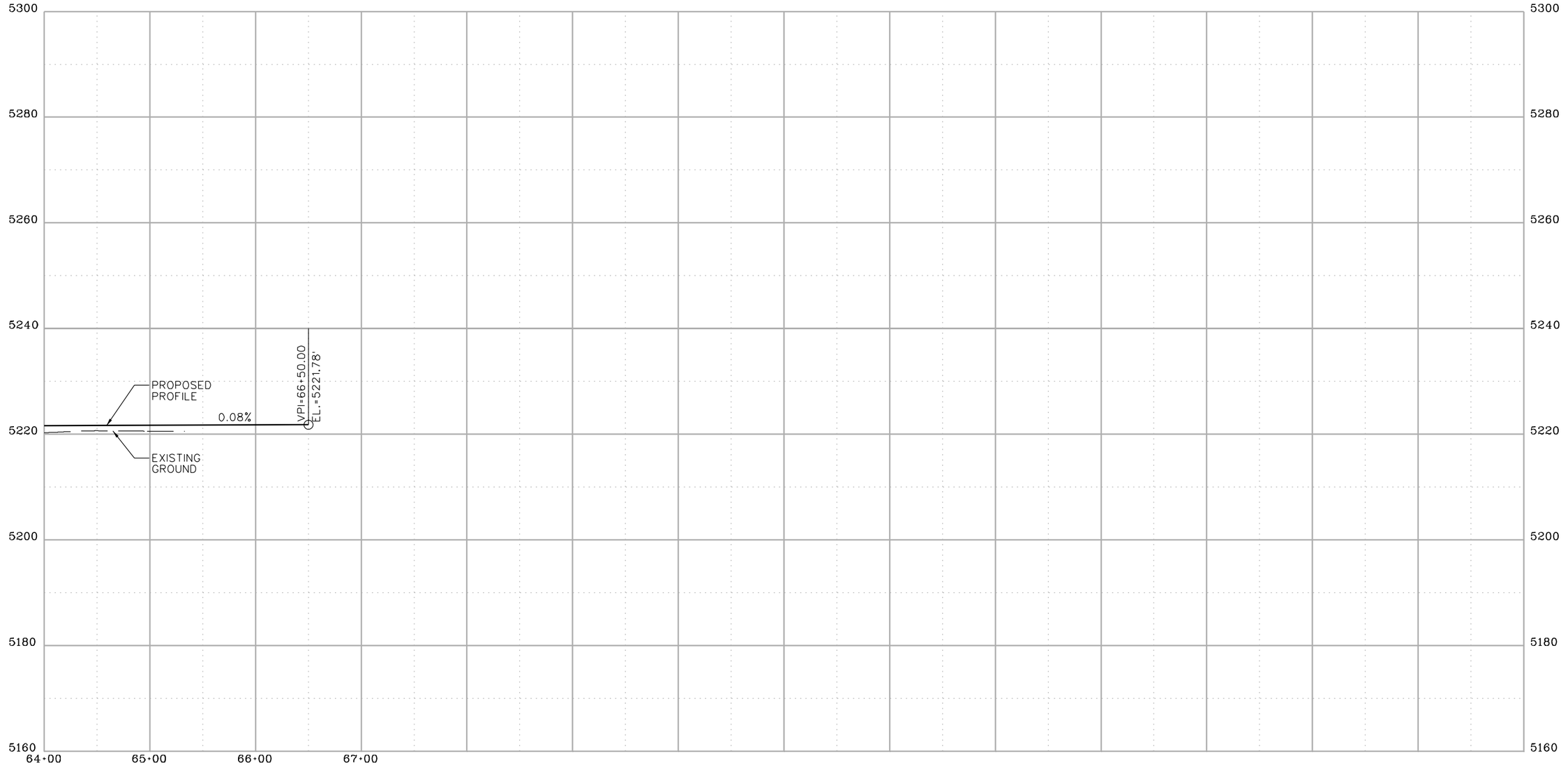
CENTRAL 70
BNSF PROFILE
STA 50+00 TO STA 64+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	75 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 75



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
BNSF PROFILE
STA 64+00 TO STA 67+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	76 of 125

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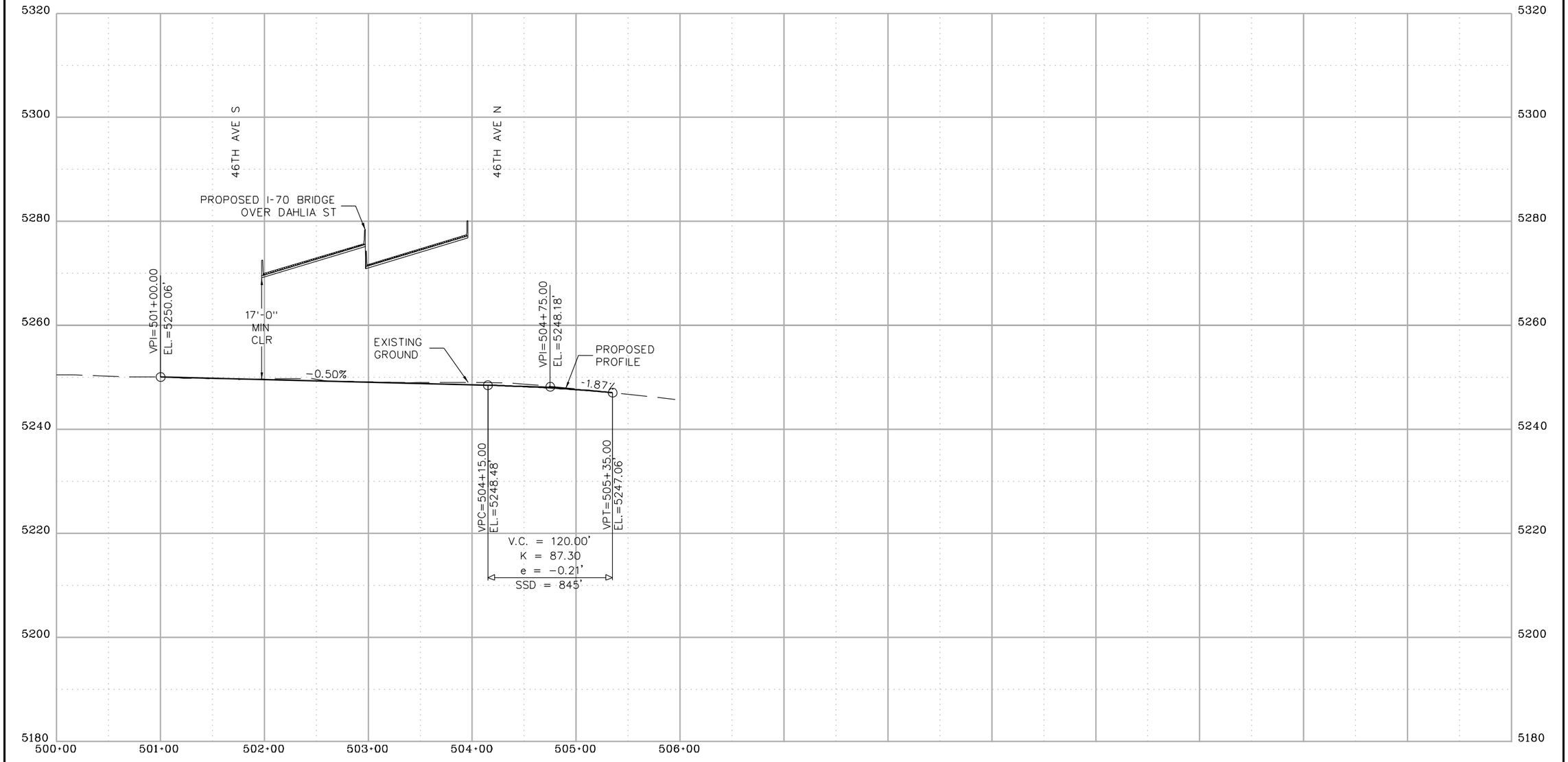
19631

Sheet Number 76



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
DAHLIA ST PROFILE

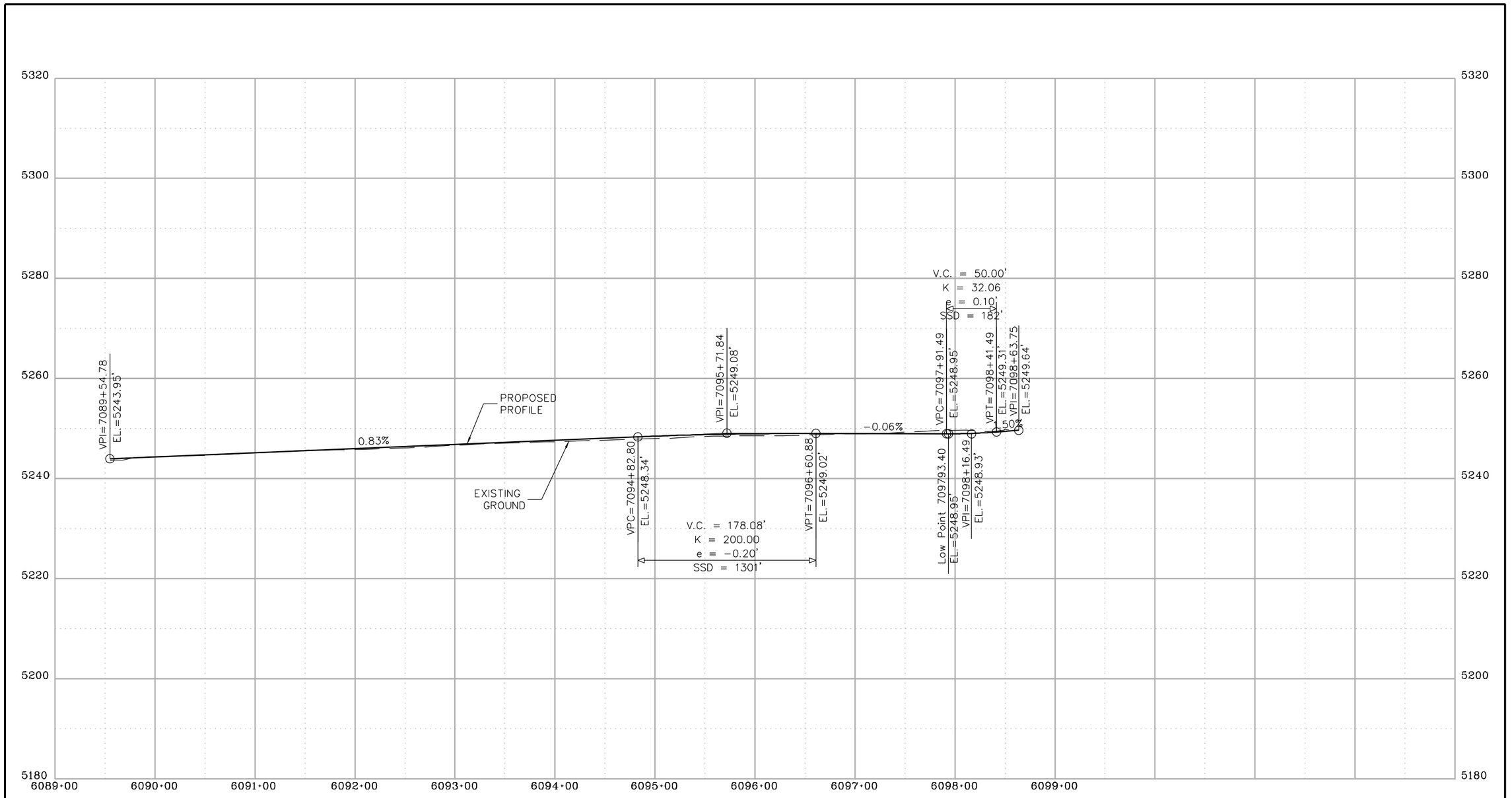
Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	77 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 77

Heidenreich 2:26:20 PM pw:\\projectwise.pbid.com:pwiseV8i\Documents\Central 70\Design\Drawings\11X17 Sheets (Appendix A)\135990ES_PROF-Plan77.dgn

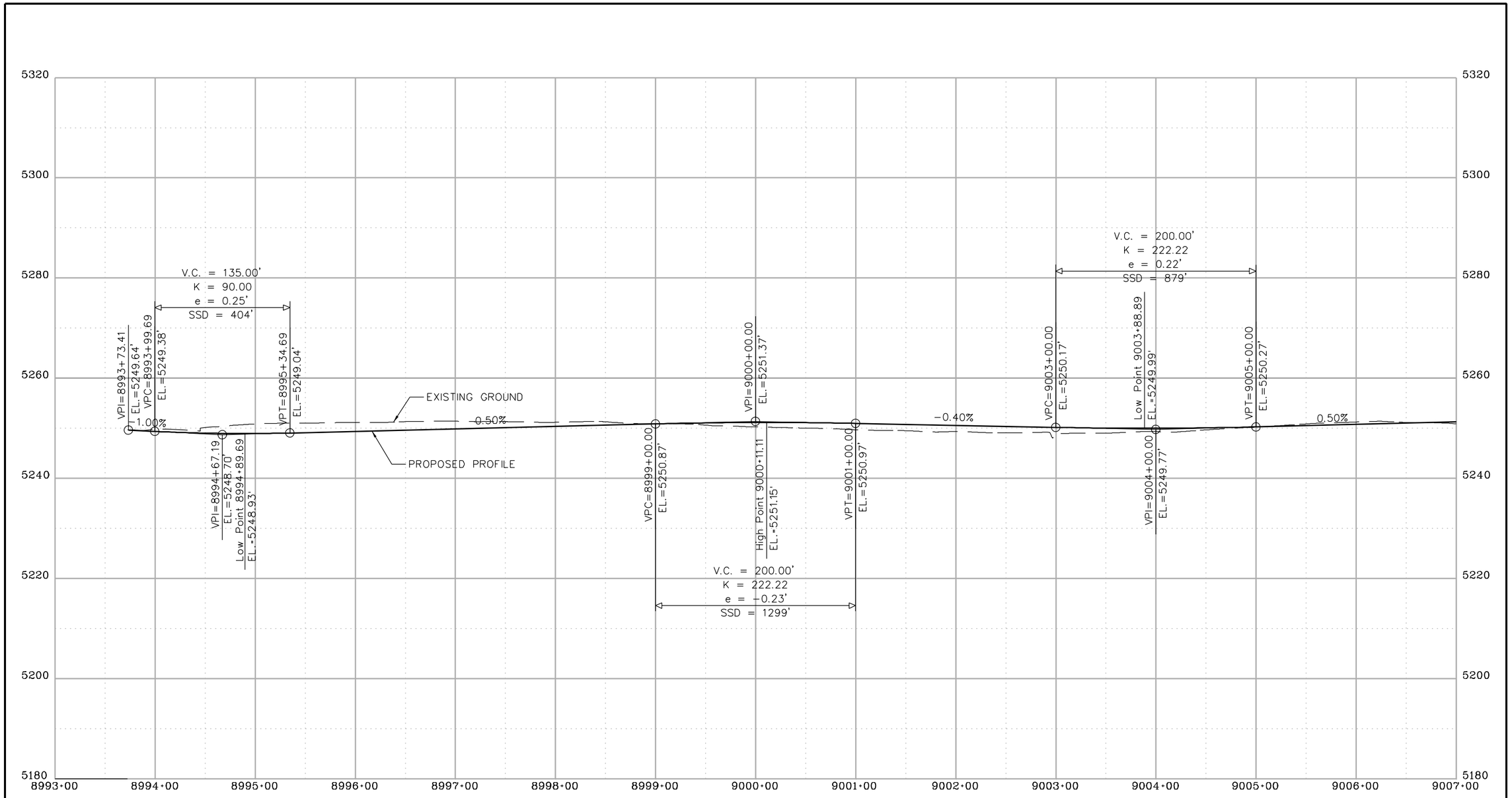


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

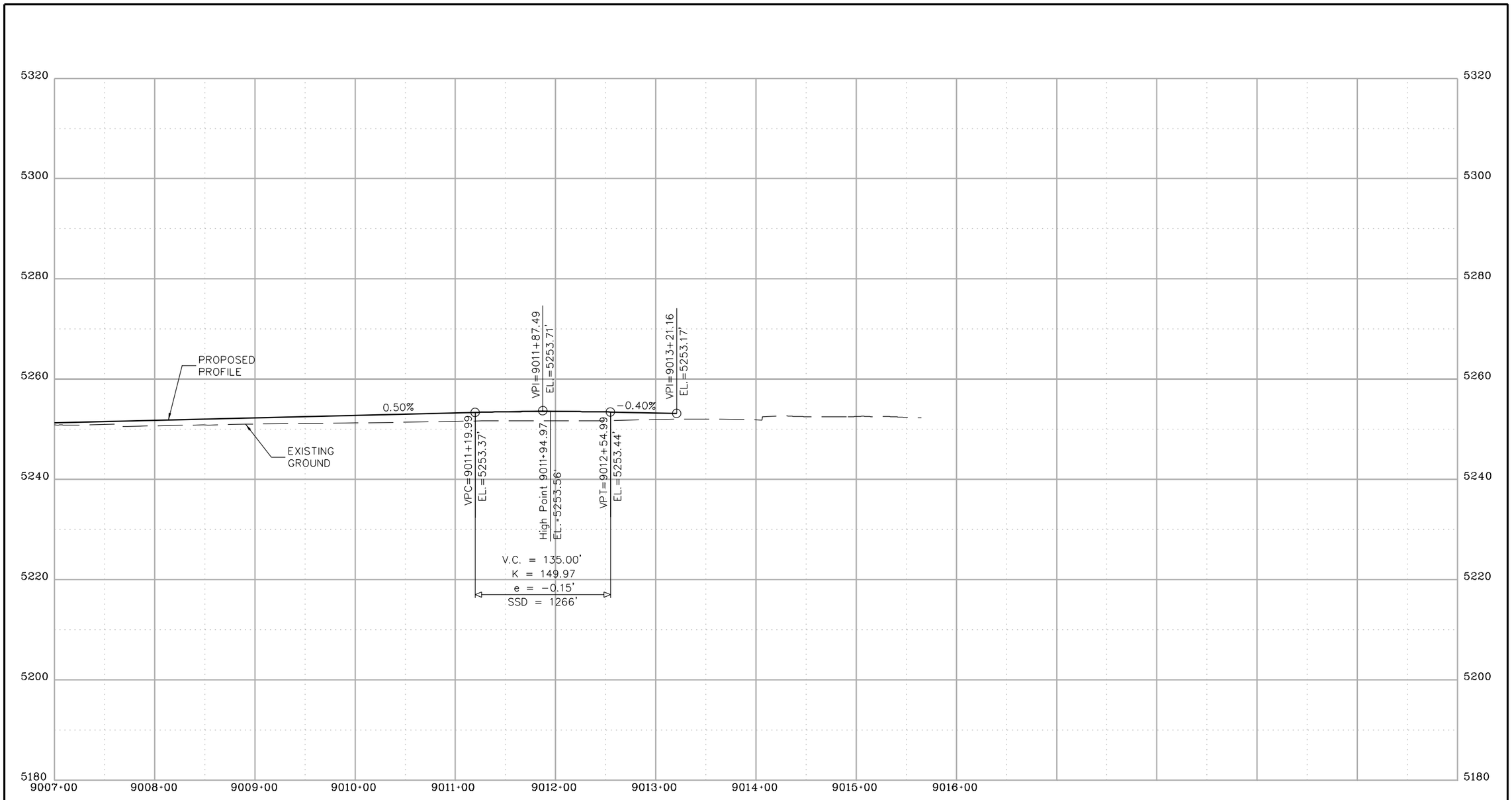
CENTRAL 70 STAPLETON DR S TO DAHLIA ST PROFILE			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets: 78 of 125		Sheet Number 78



Kiewit meridiam PARTNERS

0' 50' 100' 200'

CENTRAL 70 STAPLETON DR S - DAHLIA ST TO GRAPE ST PROFILE			Project No./Code FBR 0704-234
Designer: KMP	Structure Numbers	-	19631
Detailer: KMP		-	
Subset: PROFILES	Subset Sheets: 79 of 125		Sheet Number 79



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

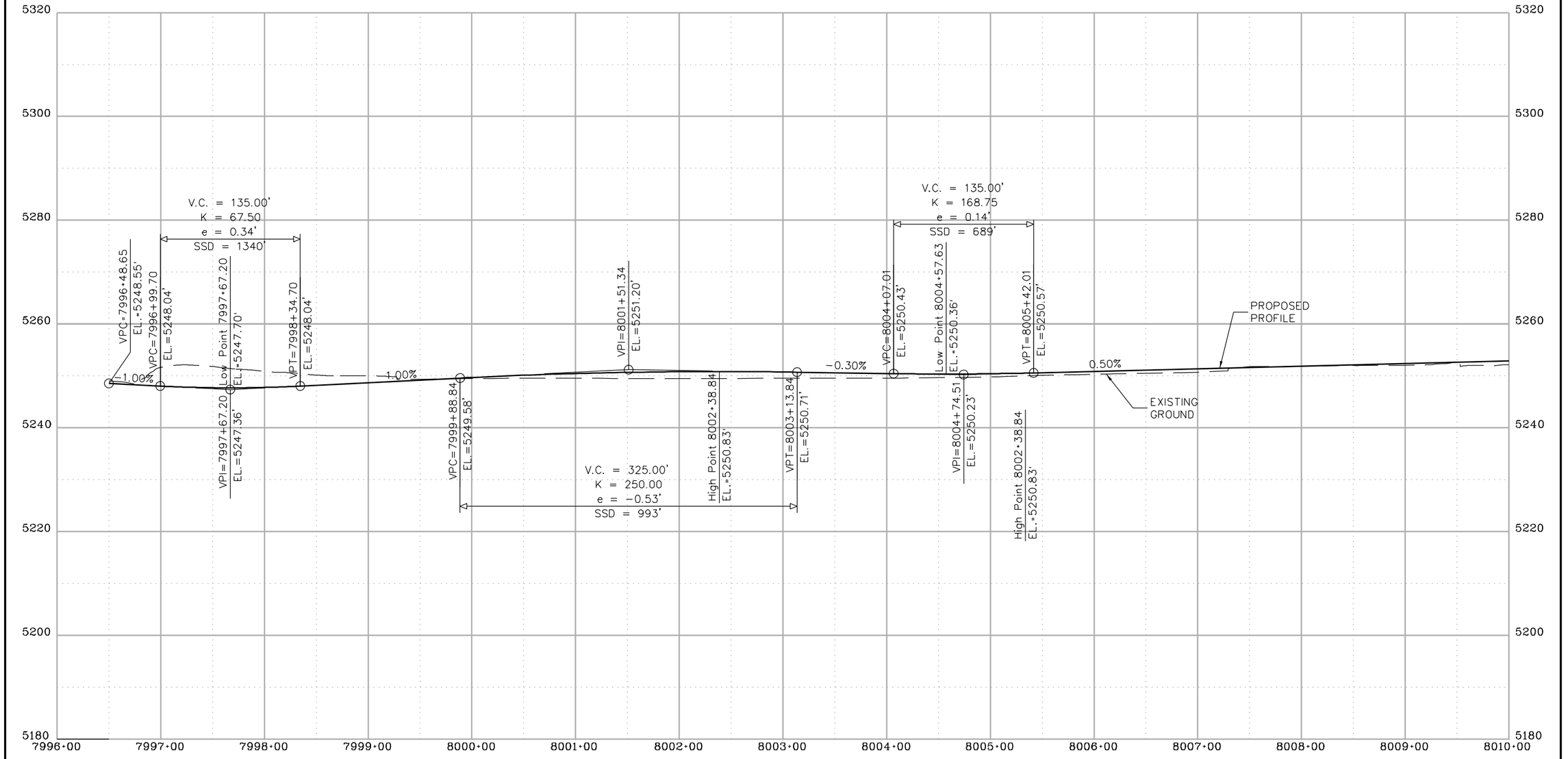
CENTRAL 70
STAPLETON DR S -
DAHLIA ST TO GRAPE ST PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	80 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 80

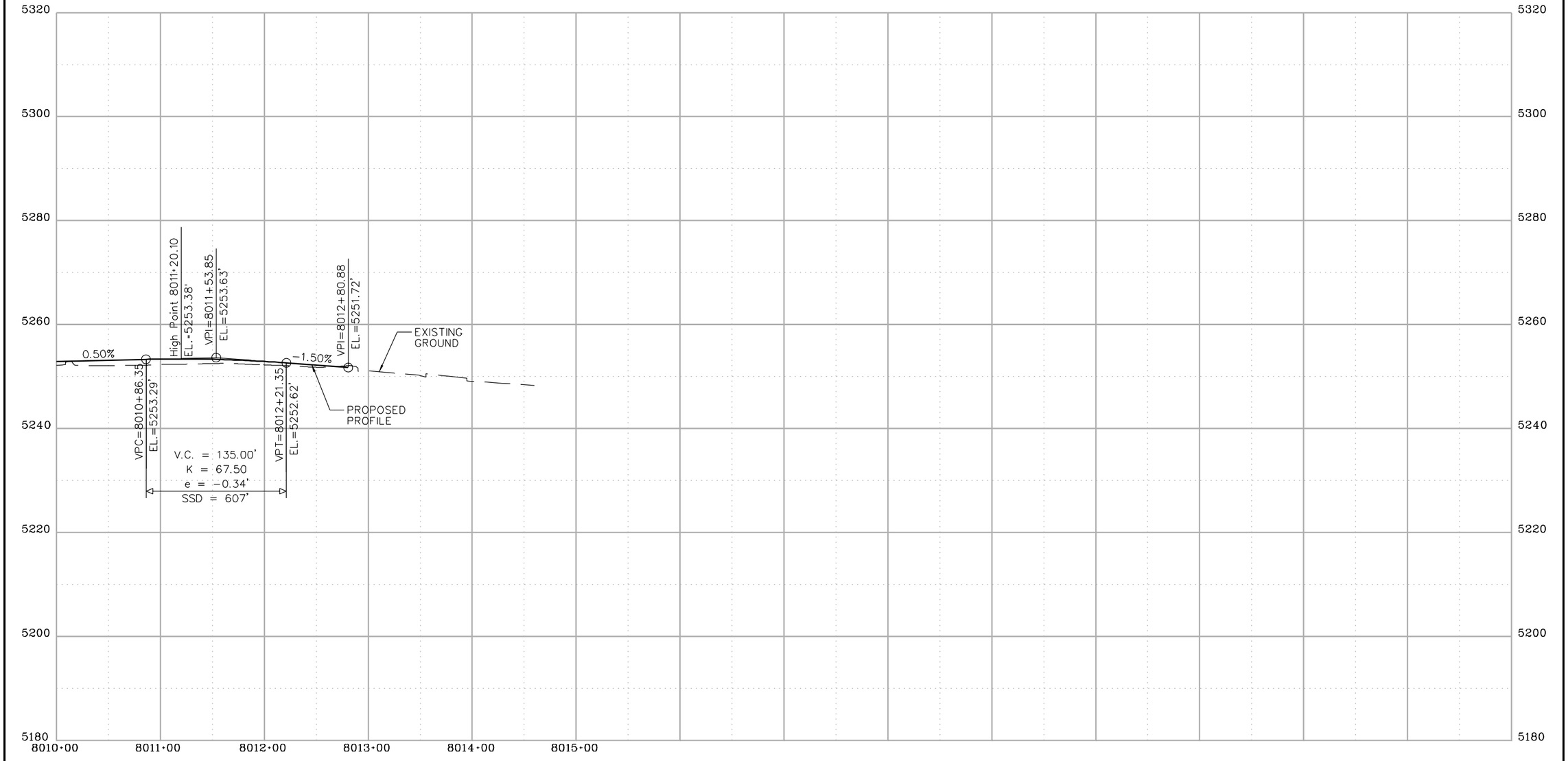


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 STAPLETON DR N - DAHLIA ST TO GRAPE STREET PROFILE			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets: 81 of 125		Sheet Number 81



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

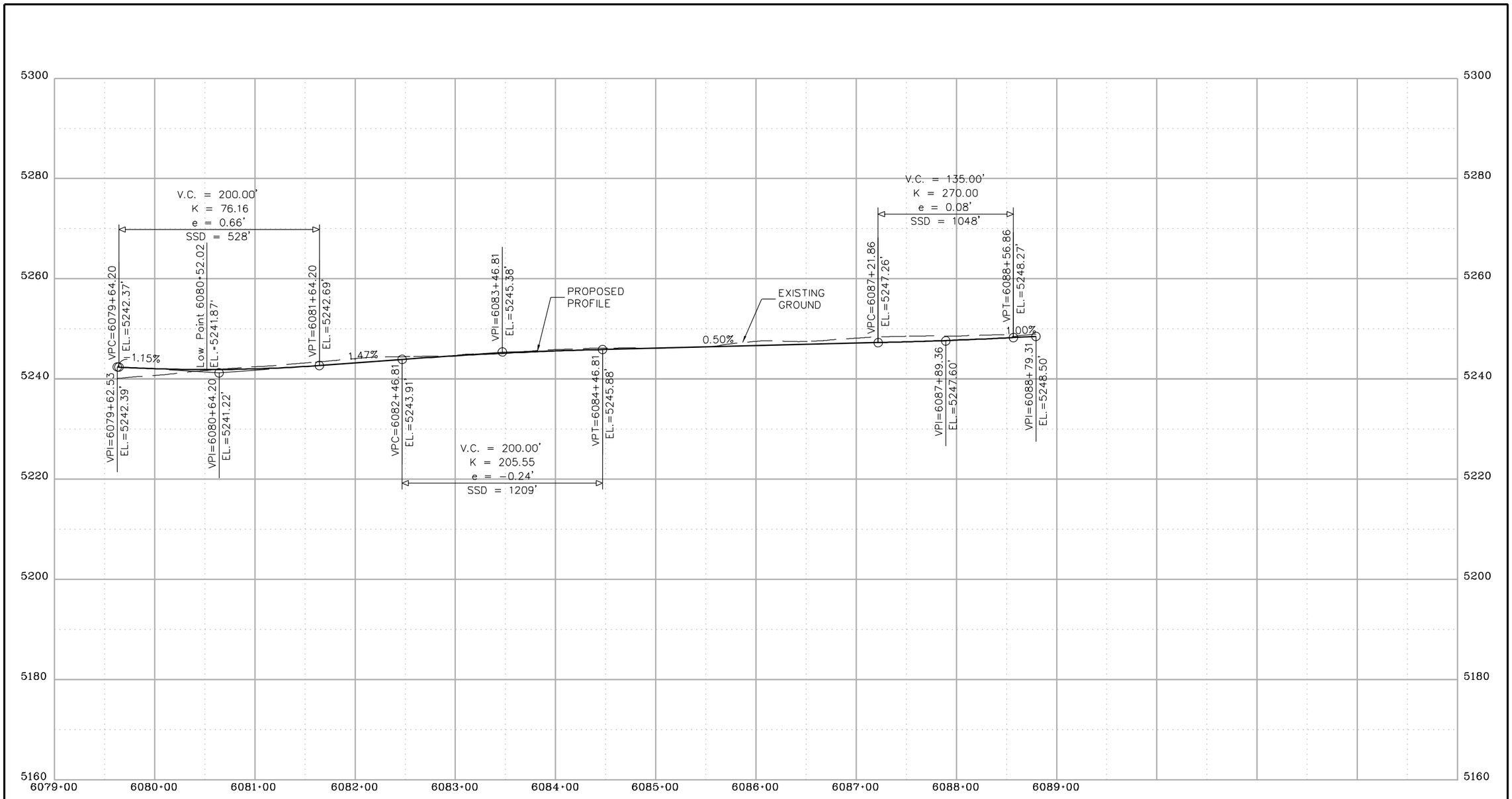
CENTRAL 70
STAPLETON DR N - DAHLIA ST TO GRAPE STREET PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	82 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 82



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

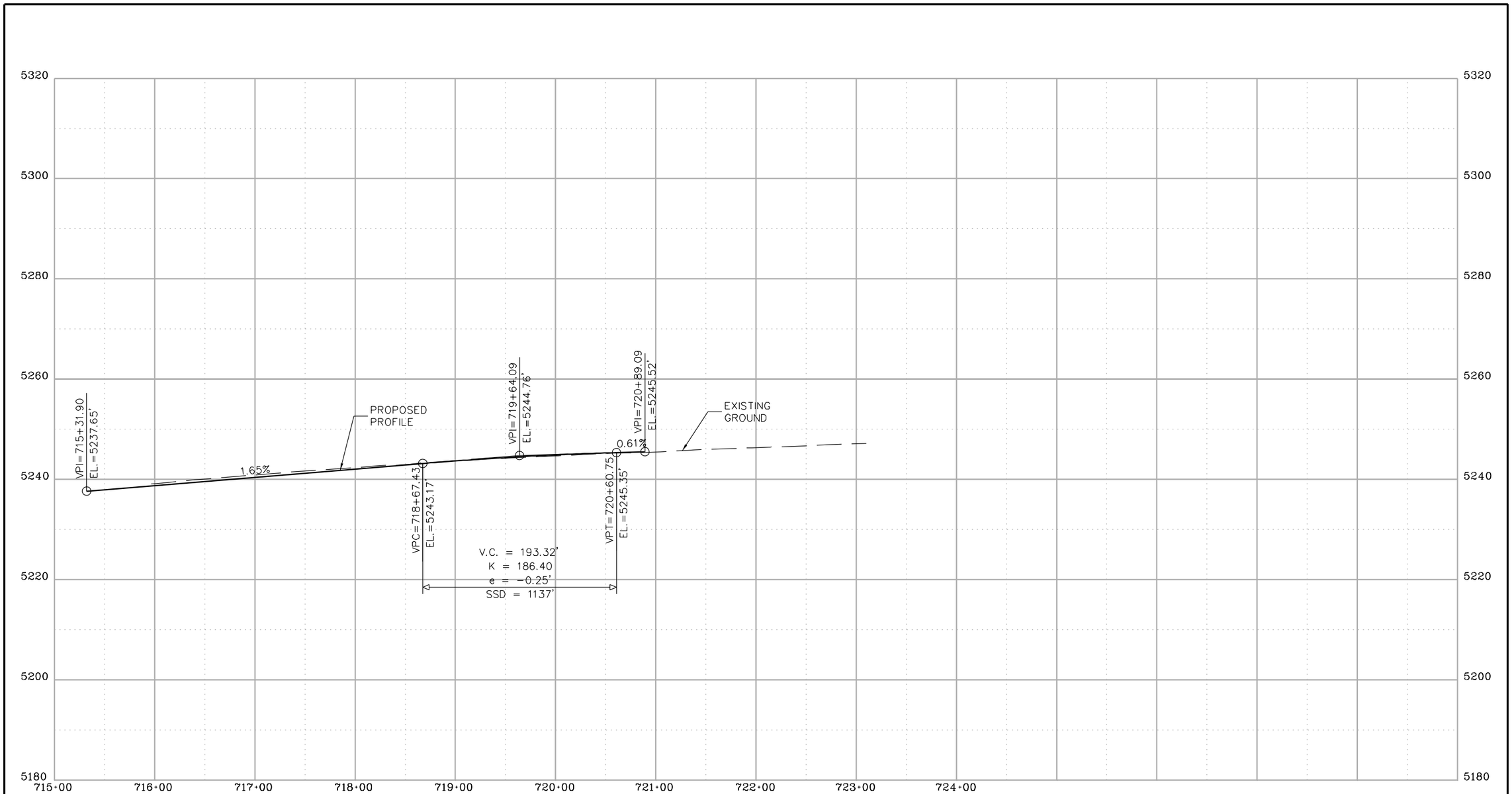
CENTRAL 70
STAPLETON DR N
TO DAHLIA ST PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	83 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 83



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
LOCAL ROAD N TO DAHLIA ST

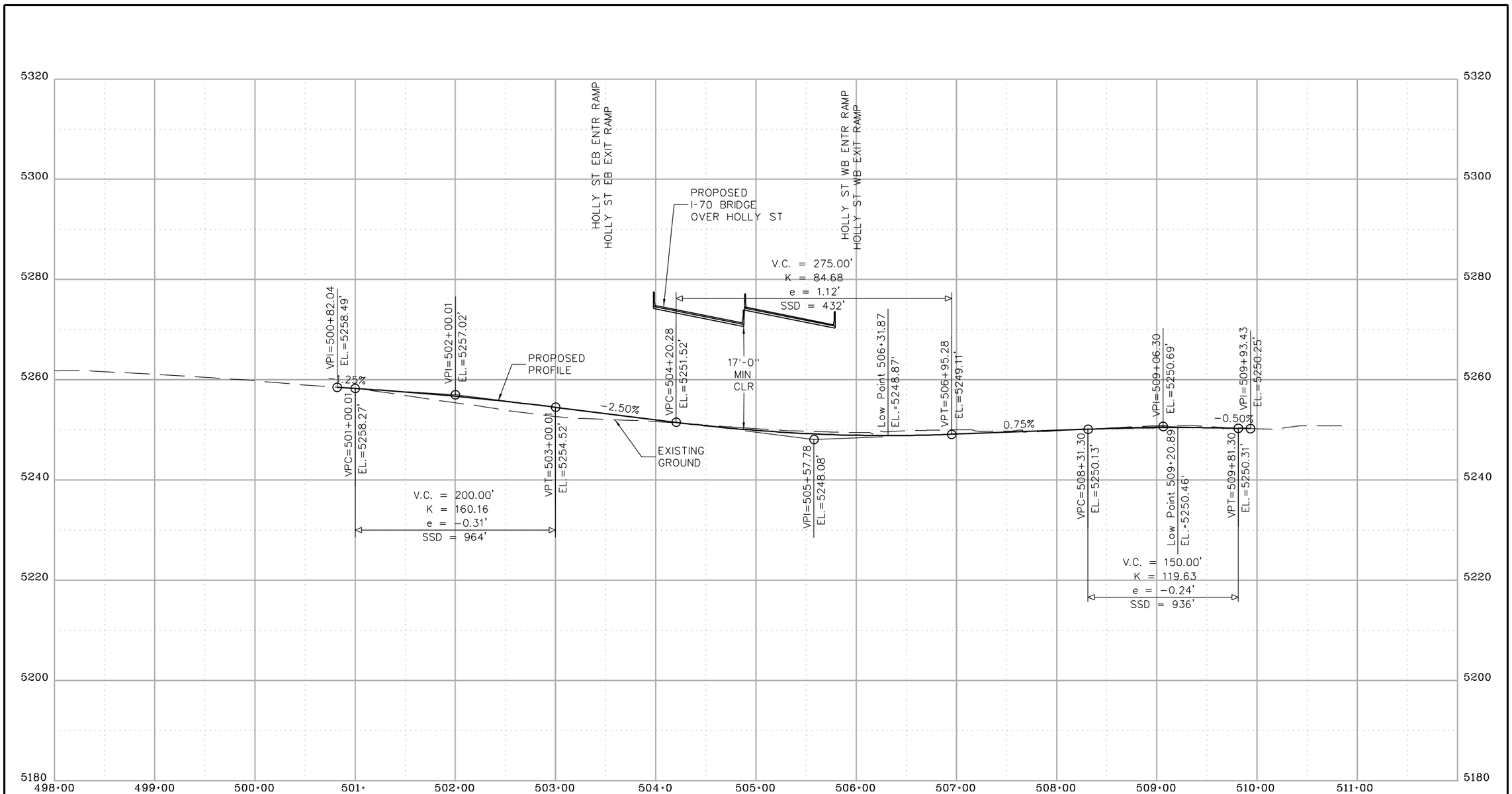
Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	84 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 84

Heidenreich 2:27:09 PM pw:\\projectwise.ptid.com:pwiseV8i\Documents\Central 70\Design\Drawings\11X17 Sheets (Appendix A)\13599DES_PROF - Plan84.dgn



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 HOLY ST PROFILE				Project No./Code FBR 0704-234
Designer: KMP		Structure Numbers	-	19631
Detailer: KMP			-	
Subset: PROFILES		Subset Sheets: 85 of 125		Sheet Number 85

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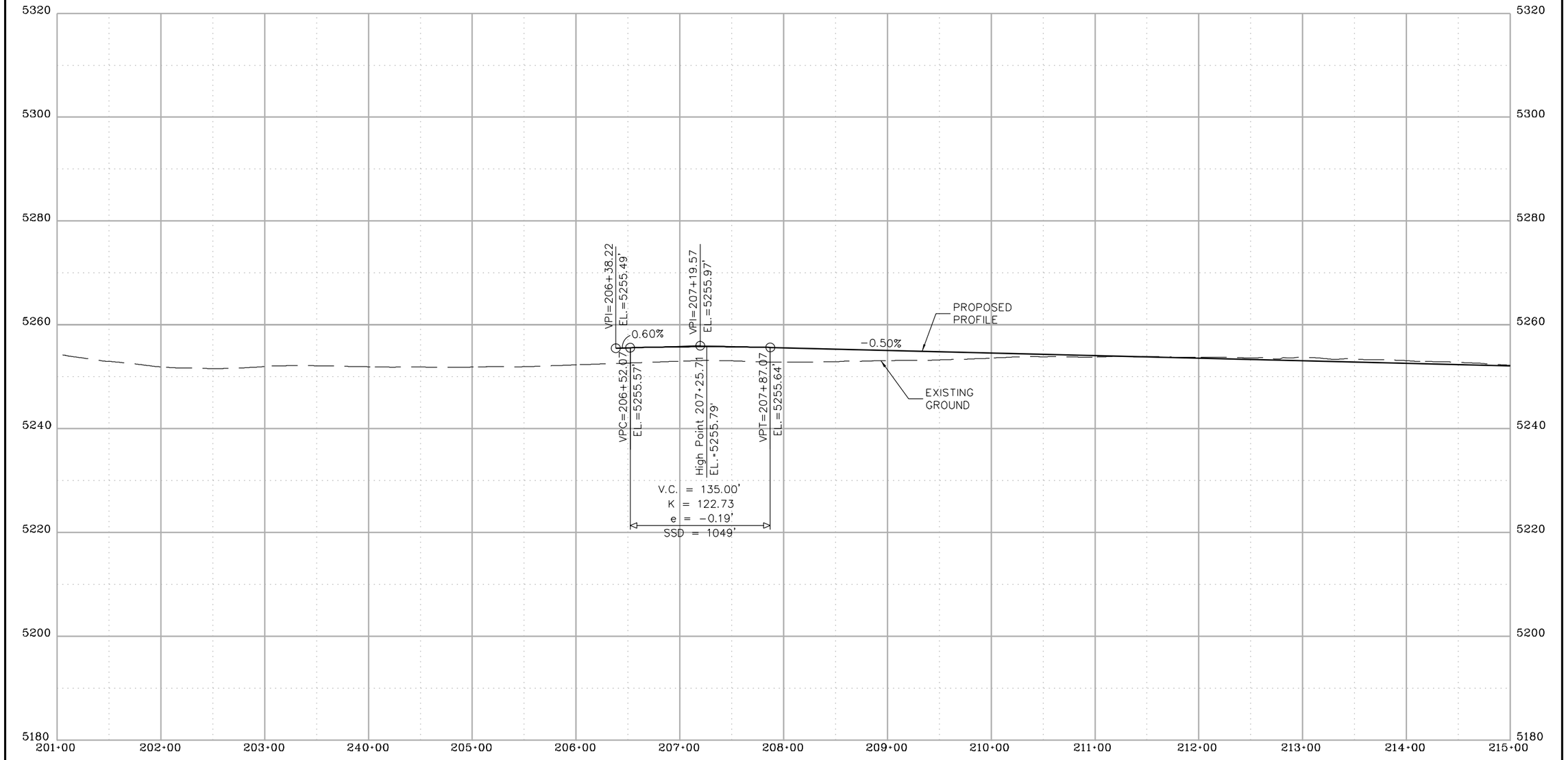


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

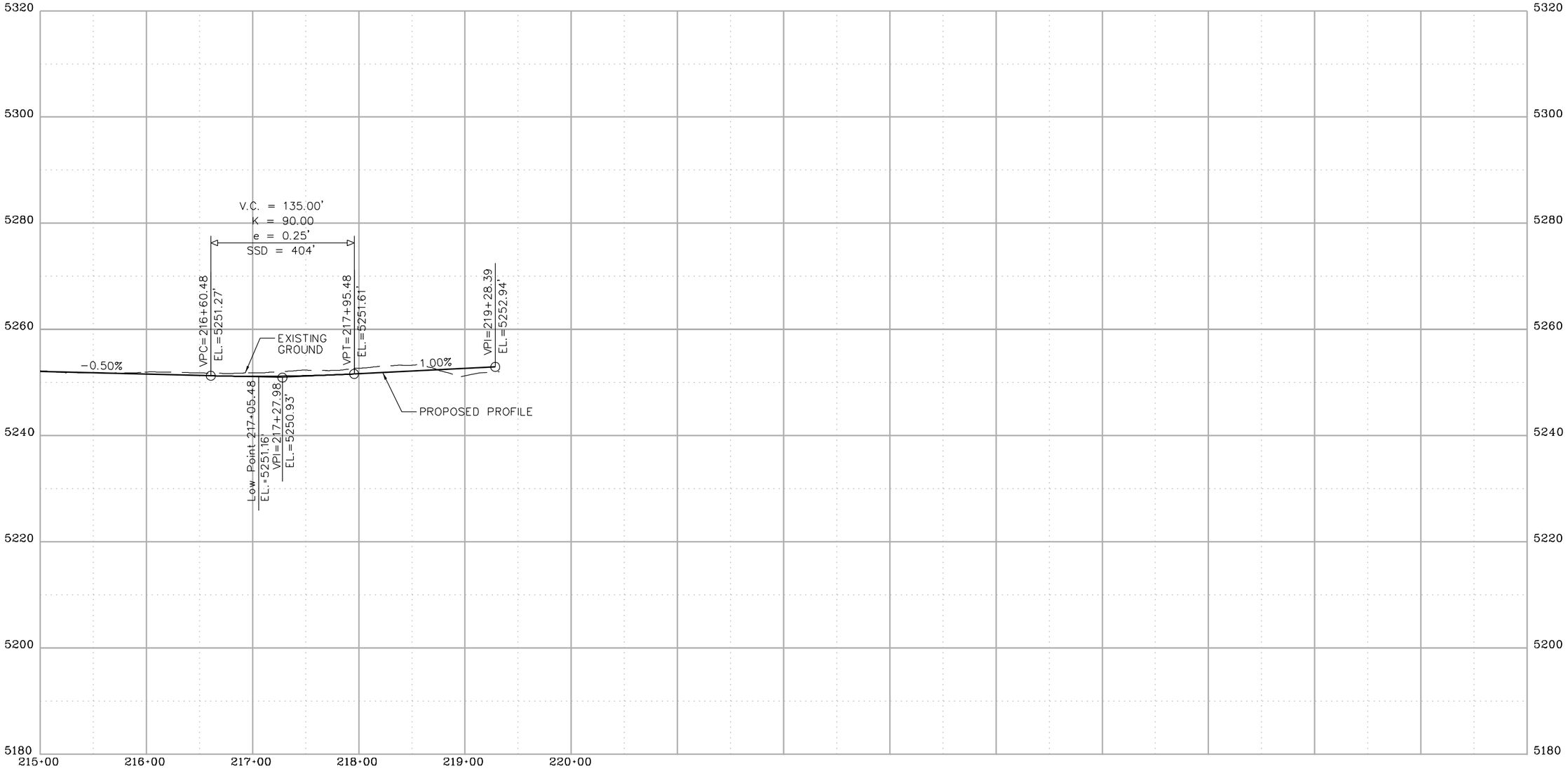
CENTRAL 70
HOLLY ST EB OFF RAMP PROFILE
STA 201+00 TO STA 215+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	86 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 86



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

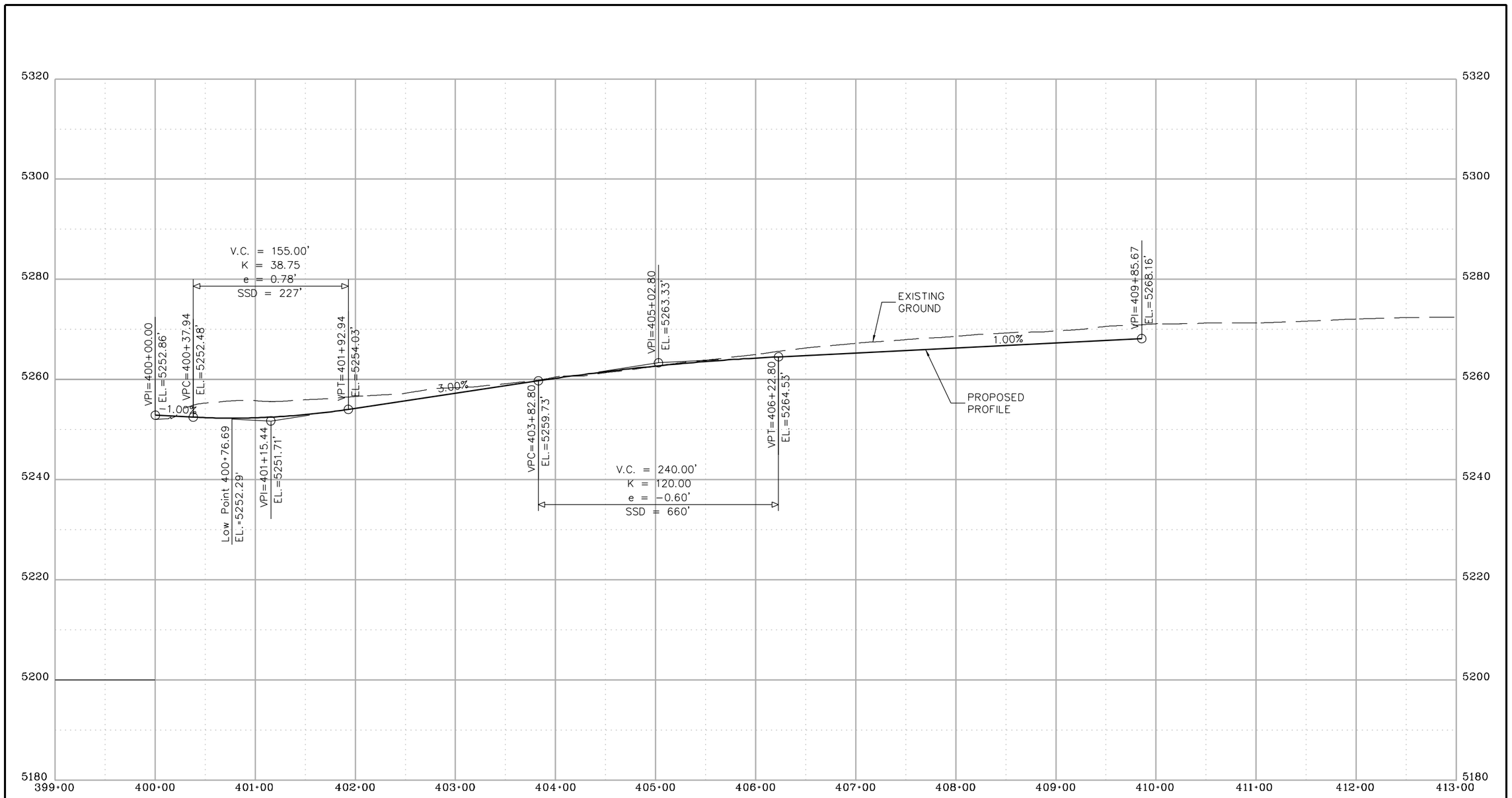
CENTRAL 70
HOLLY ST EB OFF RAMP PROFILE
STA 201+00 TO STA 215+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	87 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 87



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

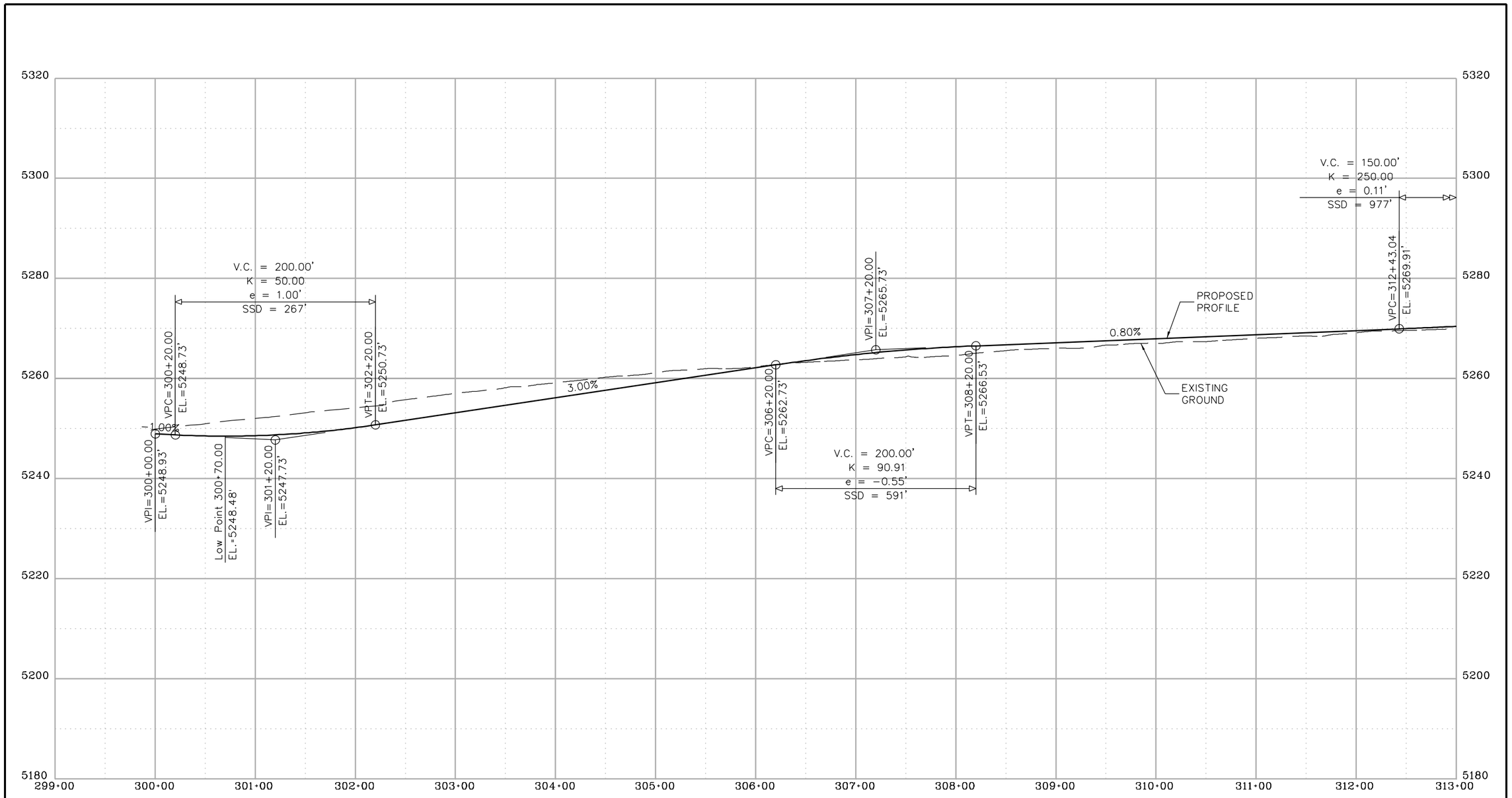
CENTRAL 70
HOLLY ST EB ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	88 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 88



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

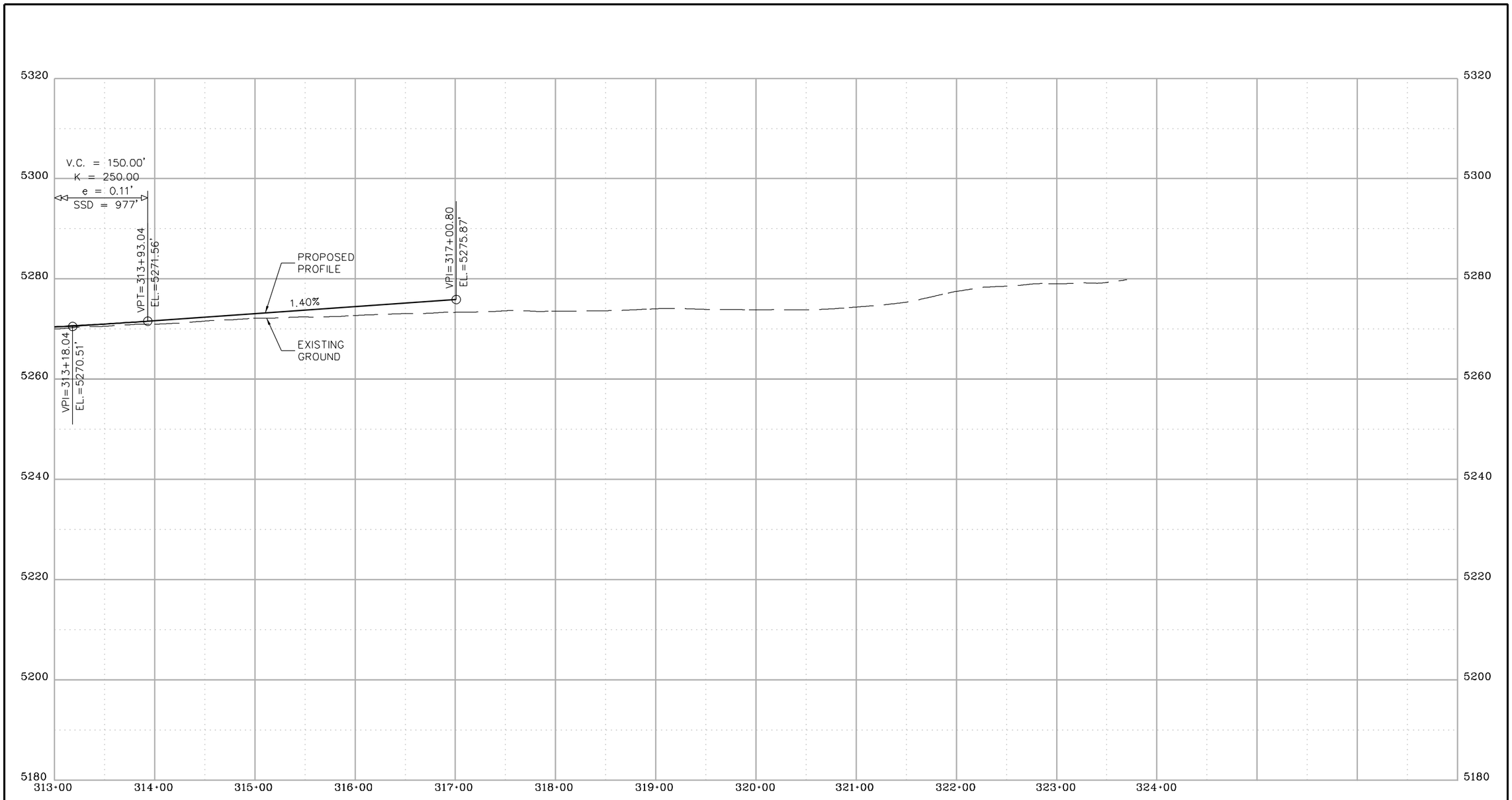
CENTRAL 70
HOLLY ST WB OFF RAMP PROFILE
STA 299+00 TO STA 313+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	89 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 89



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

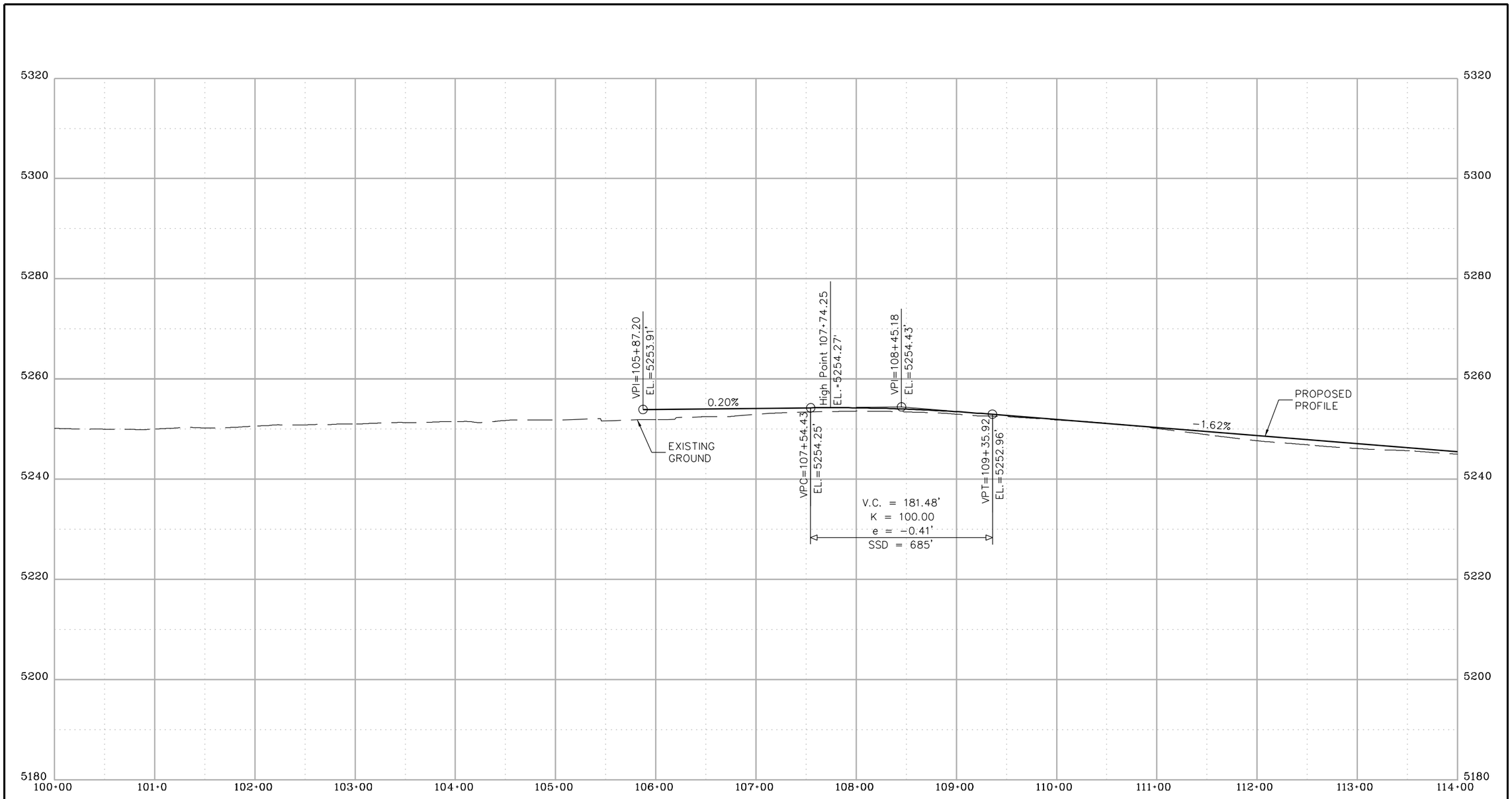
CENTRAL 70
HOLLY ST WB OFF RAMP PROFILE
STA 313+00 TO STA 324+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	90 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 90



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

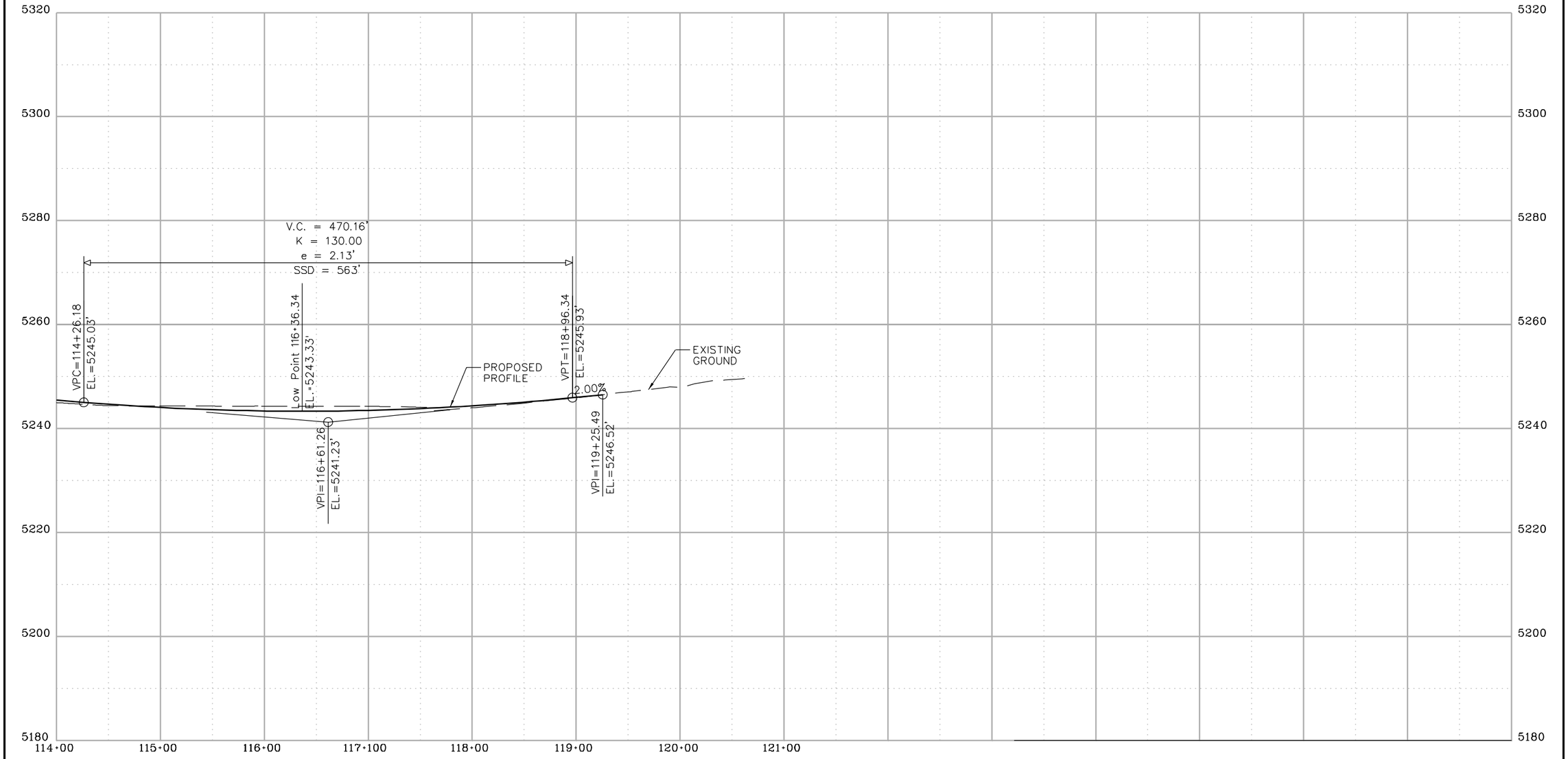
CENTRAL 70
HOLLY ST WB ON RAMP PROFILE
STA 100+00 TO STA 114+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	91 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 91



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

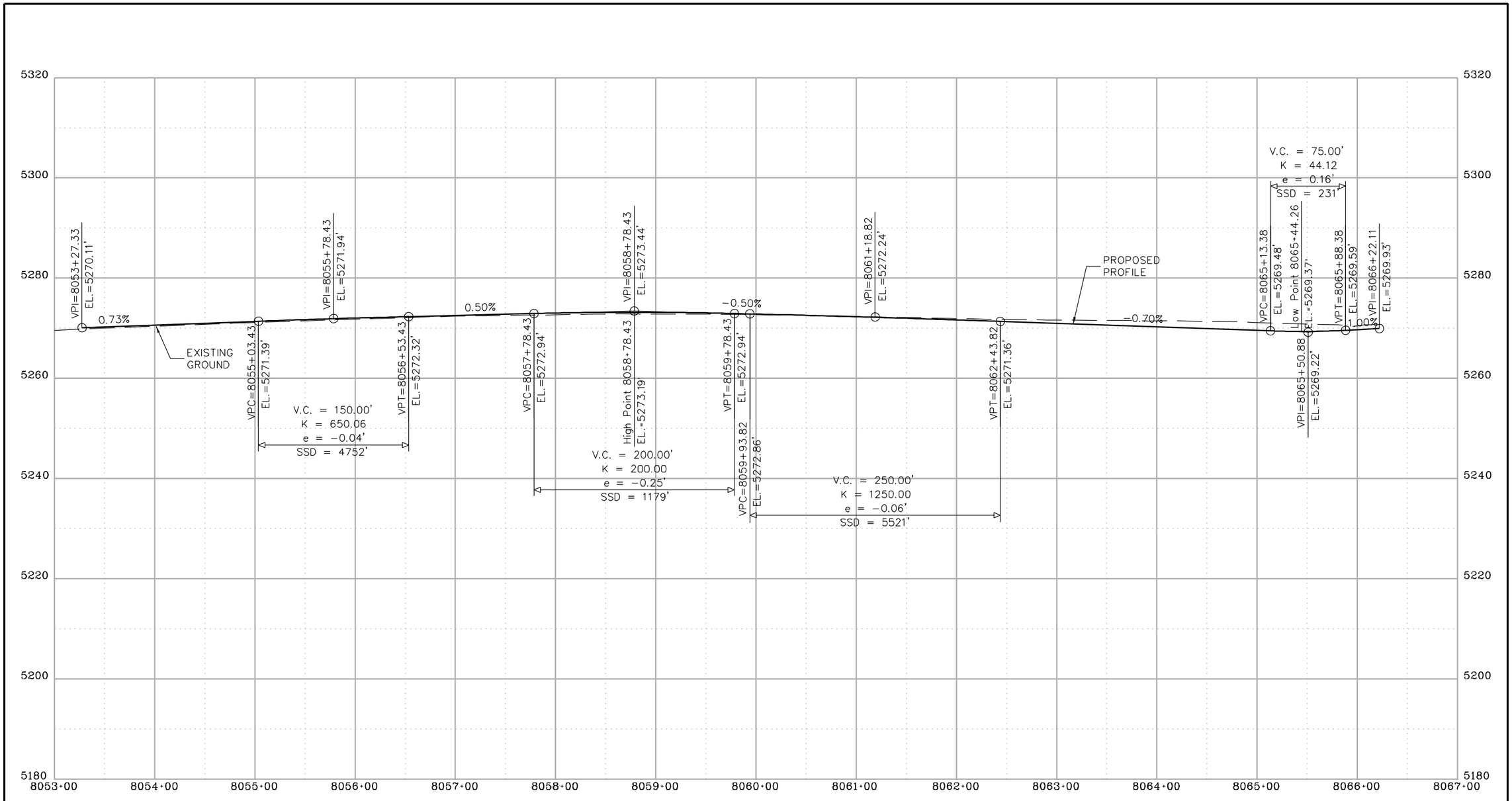
CENTRAL 70
HOLY ST WB ON RAMP PROFILE
STA 114+00 TO STA 121+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	92 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 92



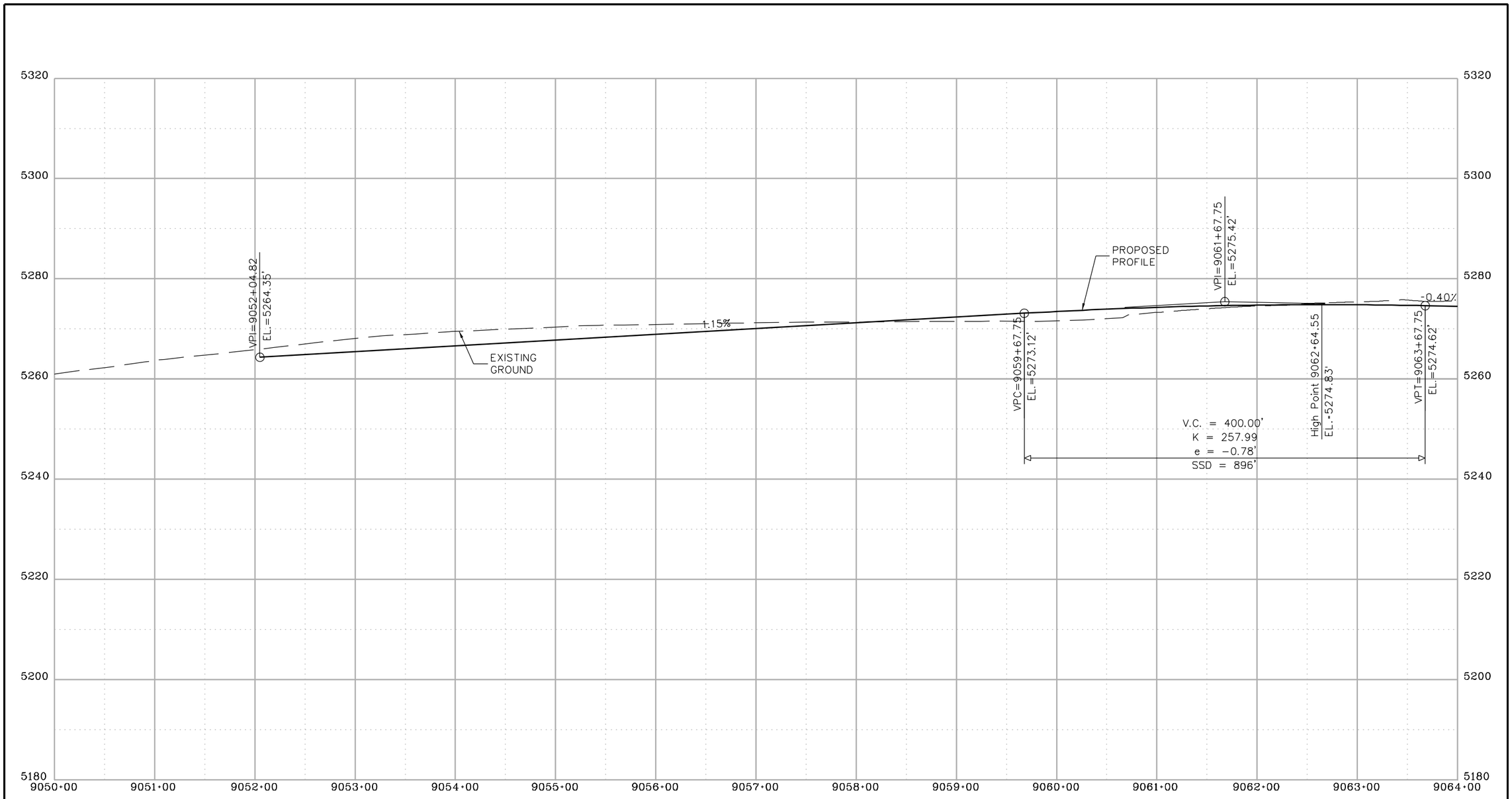
Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 STAPLETON DR N - HOLLY ST TO MONACO ST PROFILE	Project No./Code FBR 0704-234
Designer: KMP	Structure Numbers: -
Detailer: KMP	19631
Subset: PROFILES	Subset Sheets: 93 of 125
	Sheet Number 93

Heidenreich 2:28:09 PM pw:\\projectwise.pbid.com:pwiseV8i\Documents\Central 70\Design\Drawings\11X17 Sheets (Appendix A)\135990ES_PROF-Plan93.dgn



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

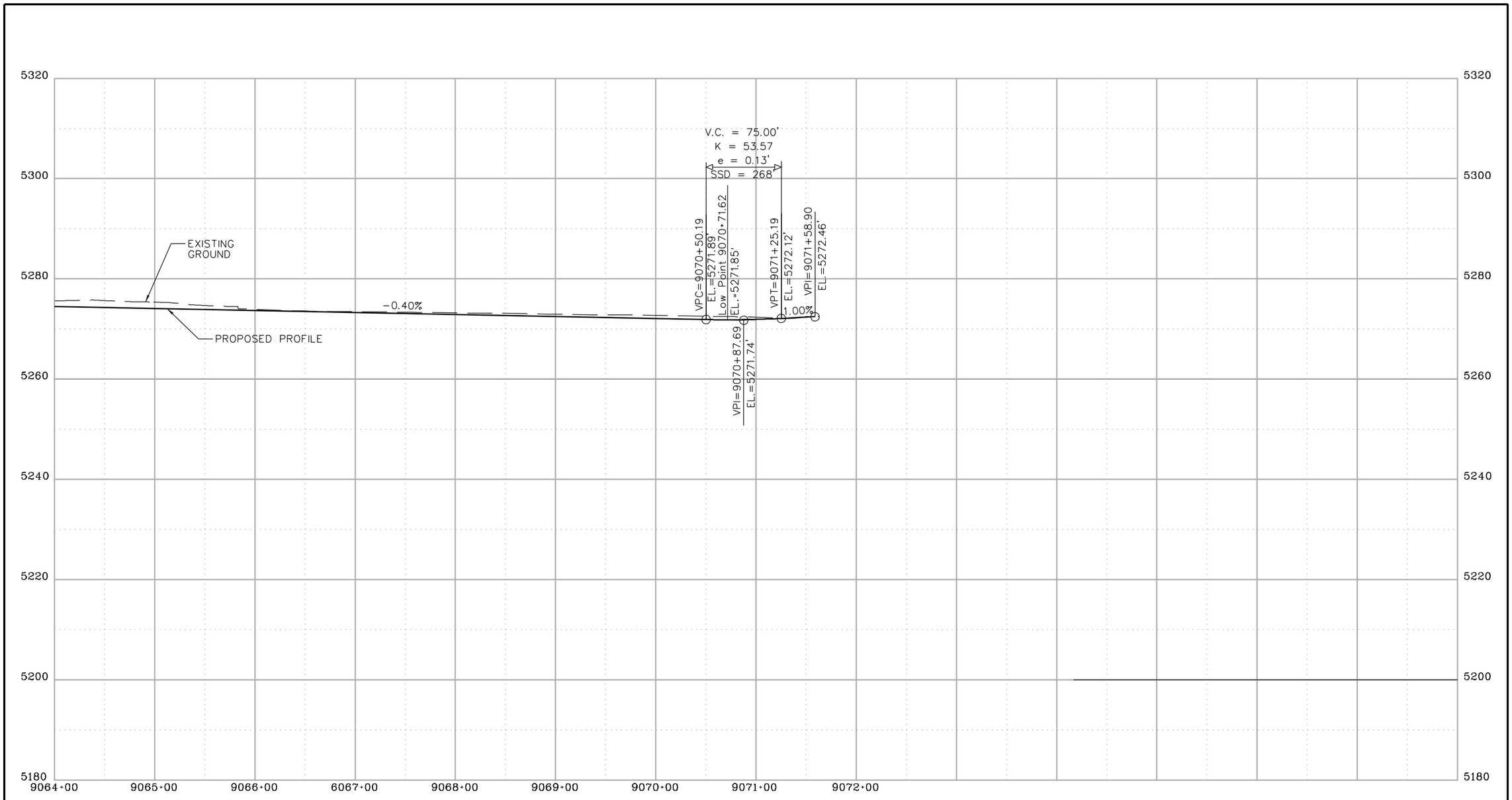
CENTRAL 70
STAPLETON DR N - HOLLY ST
TO MONACO ST PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	94 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 94



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
STAPLETON DR N - HOLLY ST
TO MONACO ST PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	95 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 95

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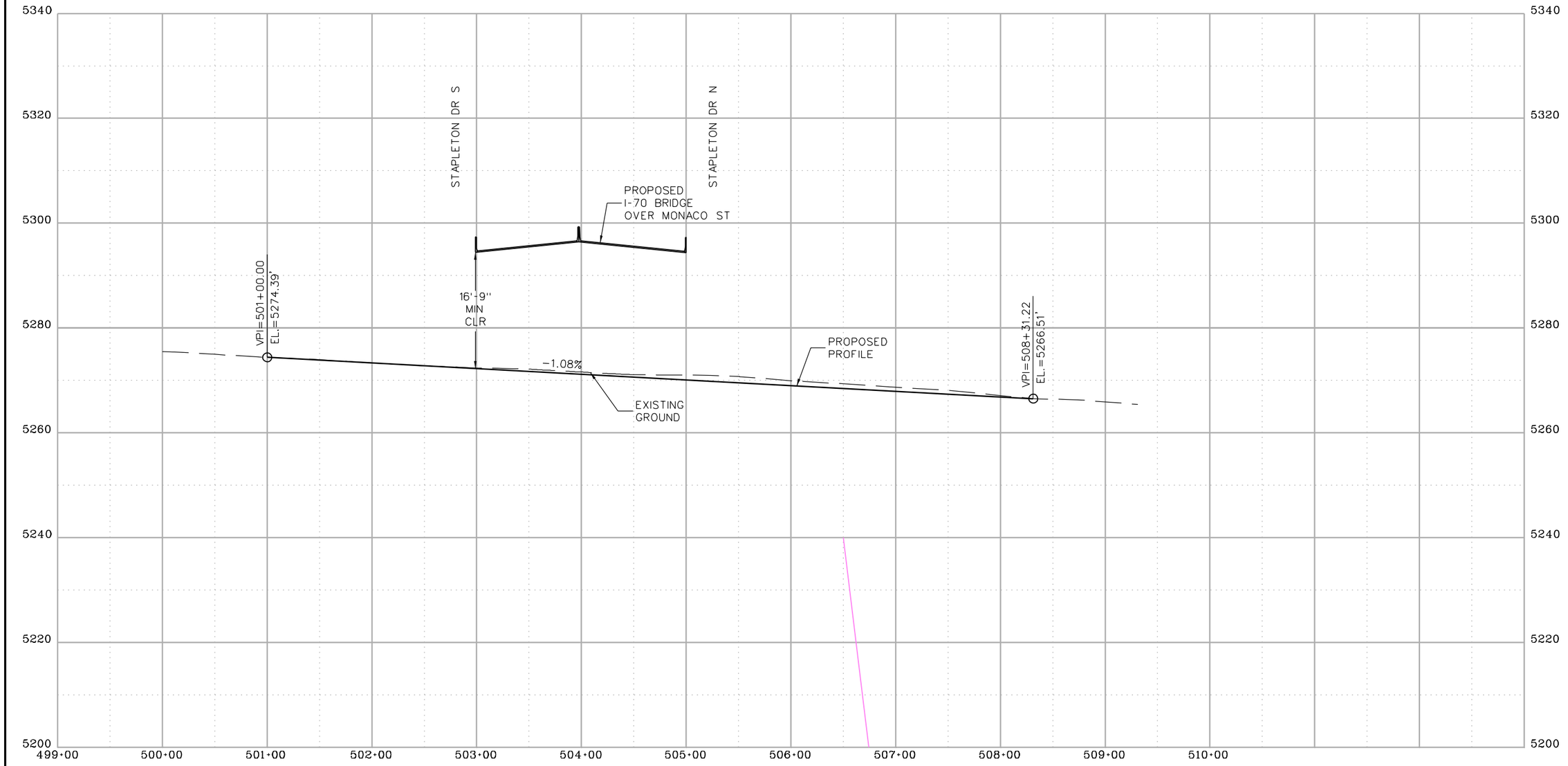


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

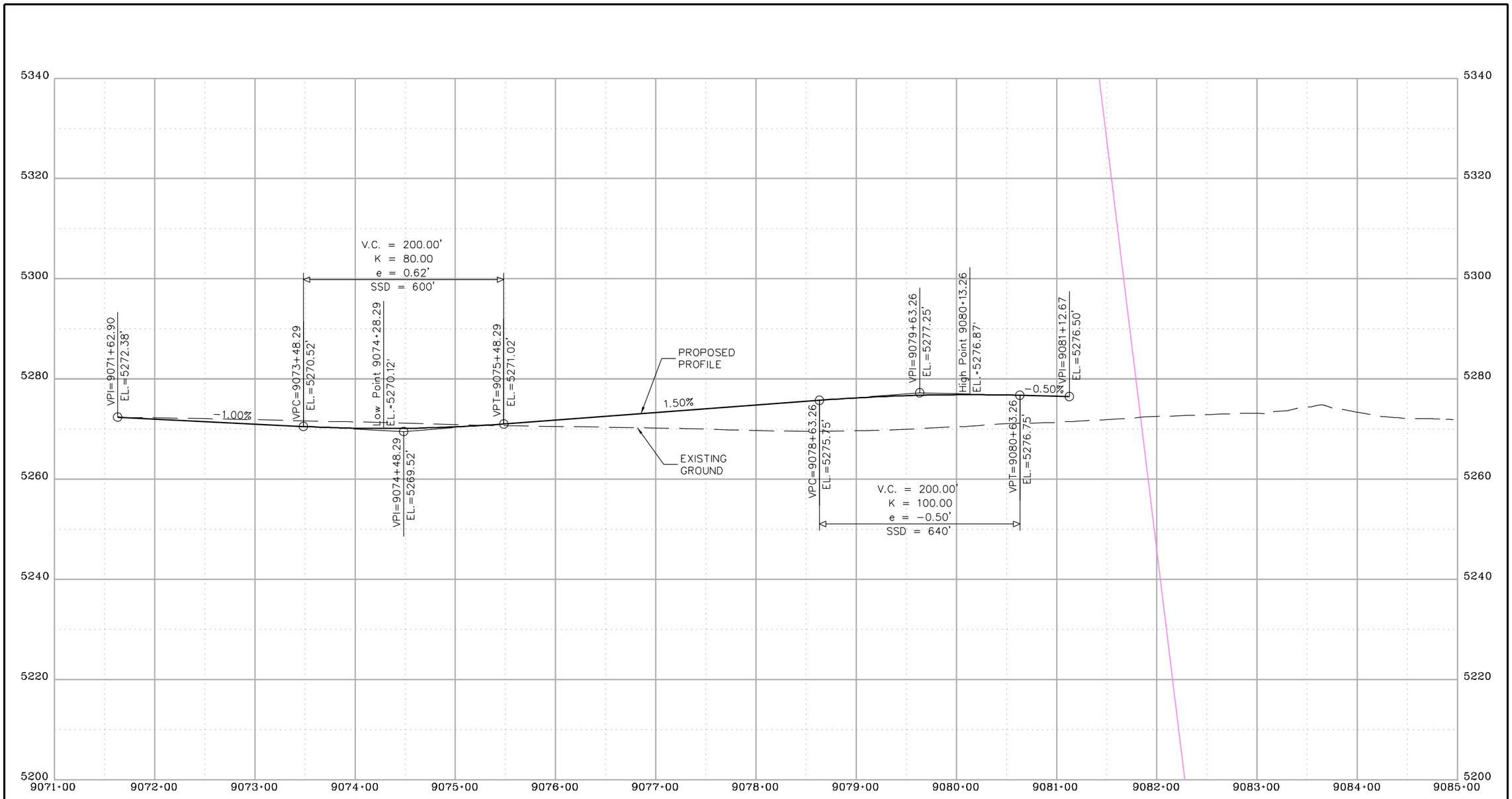
CENTRAL 70
MONACO ST PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	96 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 96



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

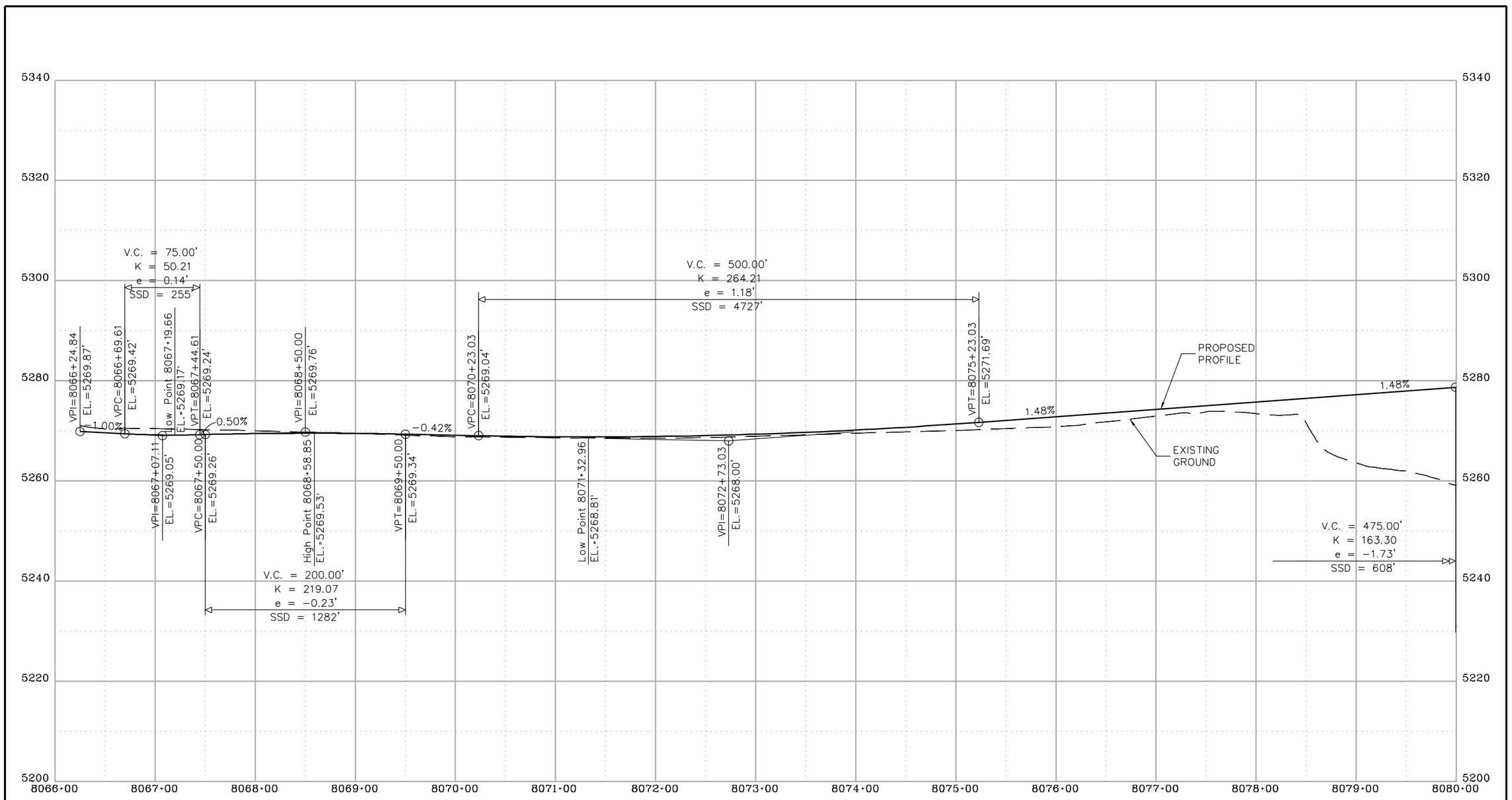
CENTRAL 70
MONACO ST EB ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	97 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 97



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

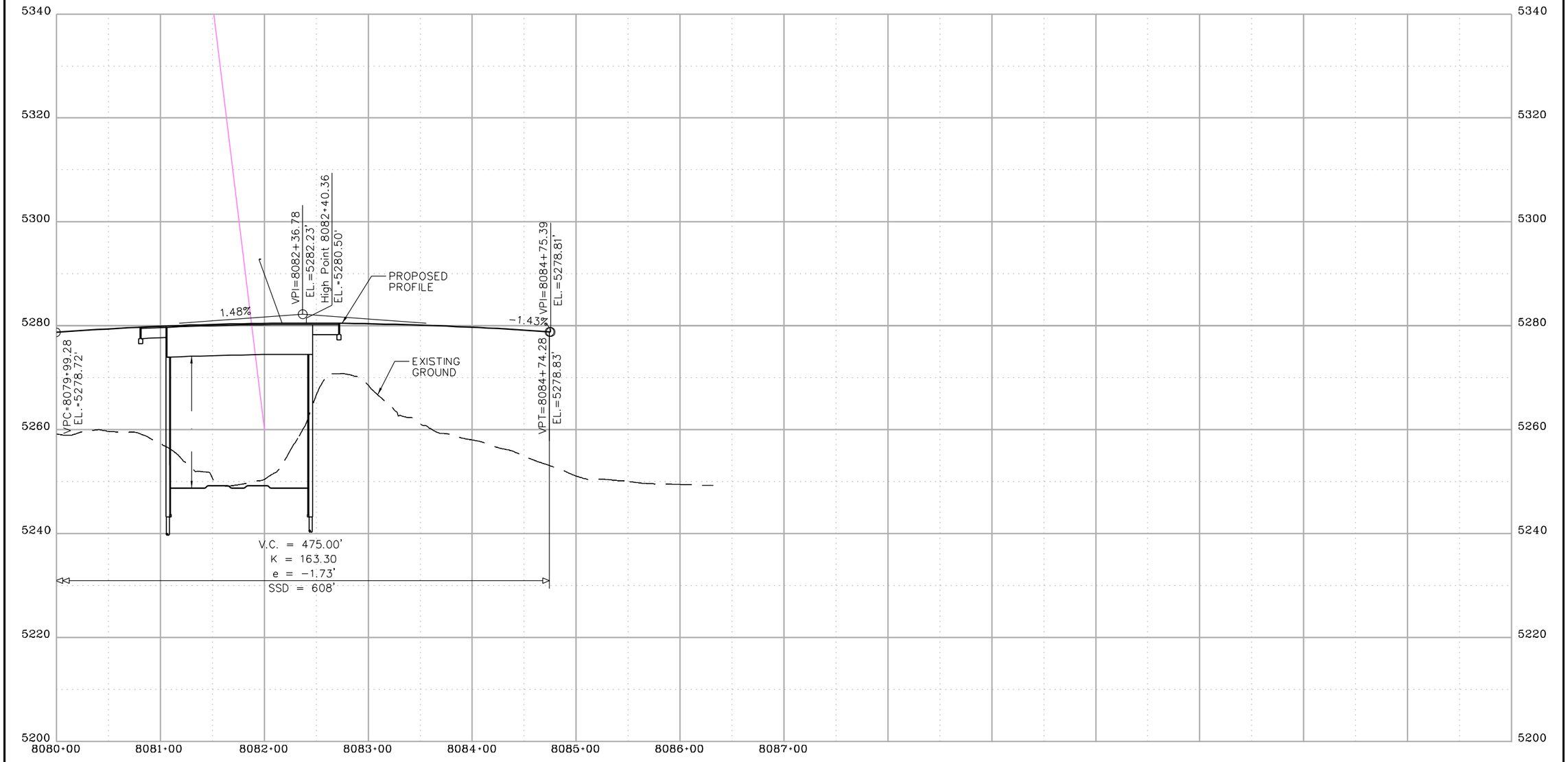
CENTRAL 70 STAPLETON DR N - MONACO ST TO QUEBEC ST PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	98 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 98



Kiewit meridiam PARTNERS

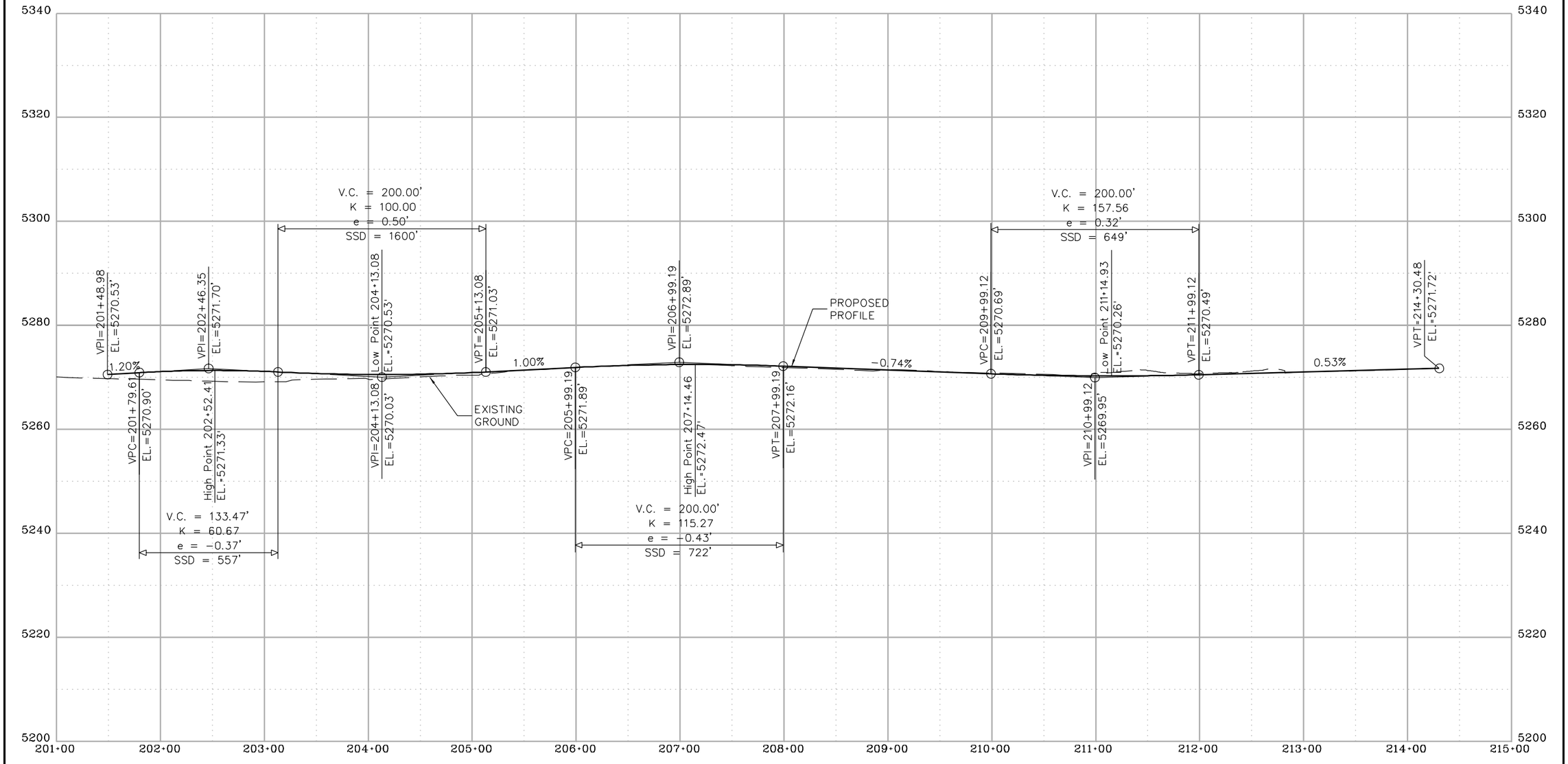
Central 70

0' 50' 100' 200'

CENTRAL 70
STAPLETON DR N - MONACO ST
TO QUEBEC ST PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	99 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 99



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 STAPLETON DR S - MONACO ST TO QUEBEC ST PROFILE			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets: 100 of 125		Sheet Number 100

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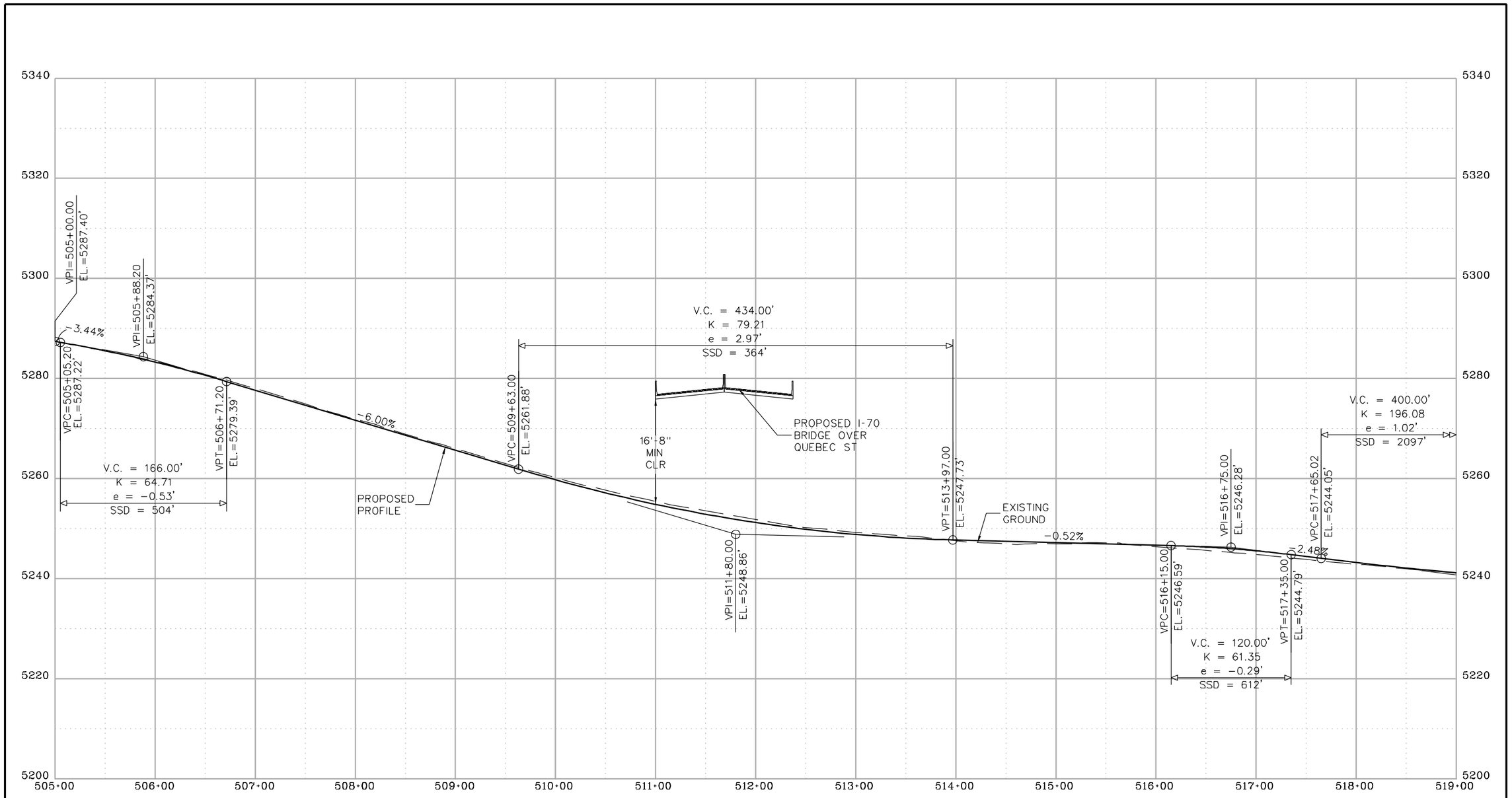


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

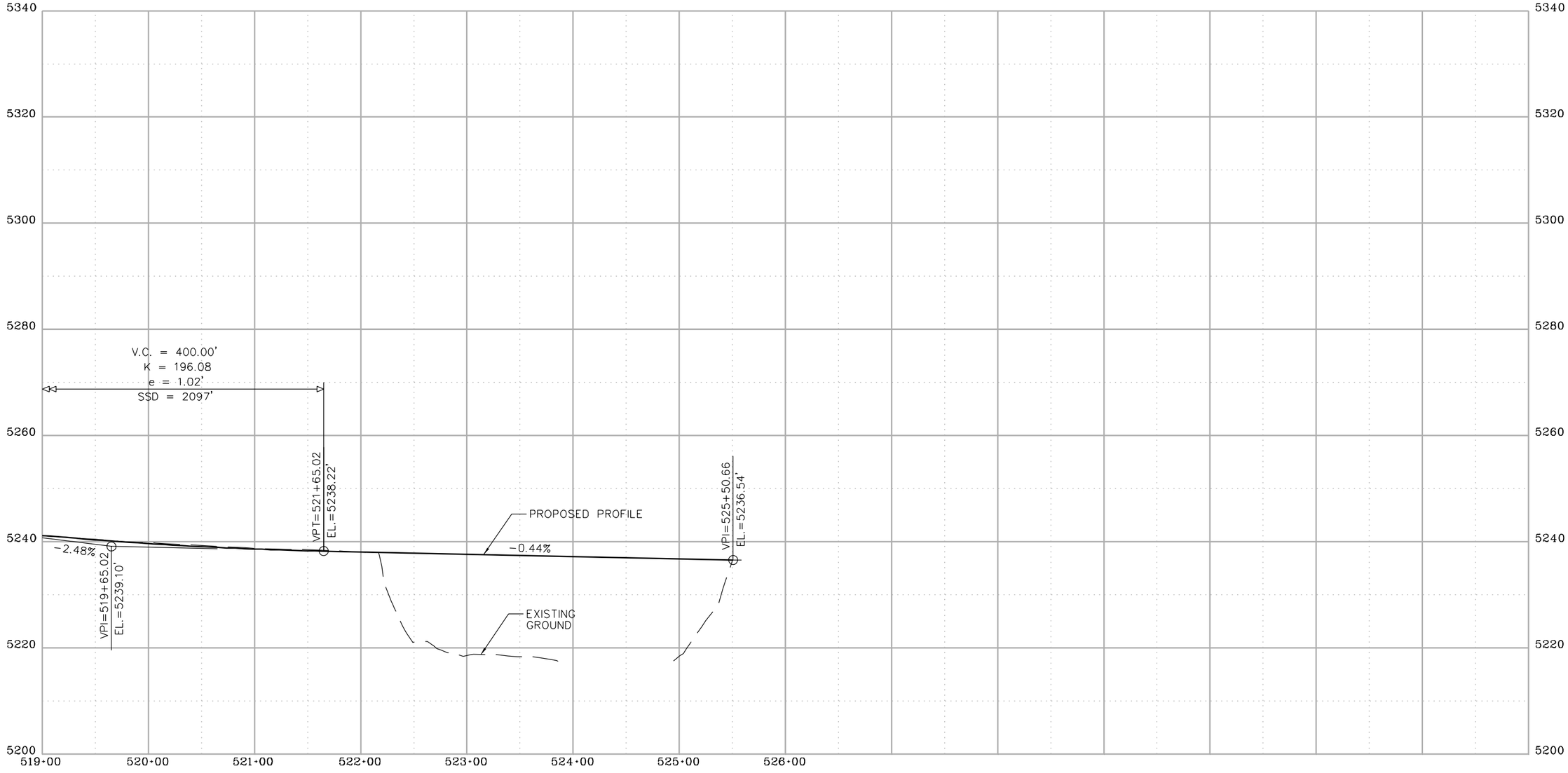
CENTRAL 70
QUEBEC ST PROFILE
STA 505+00 TO STA 519+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	101 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 101



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

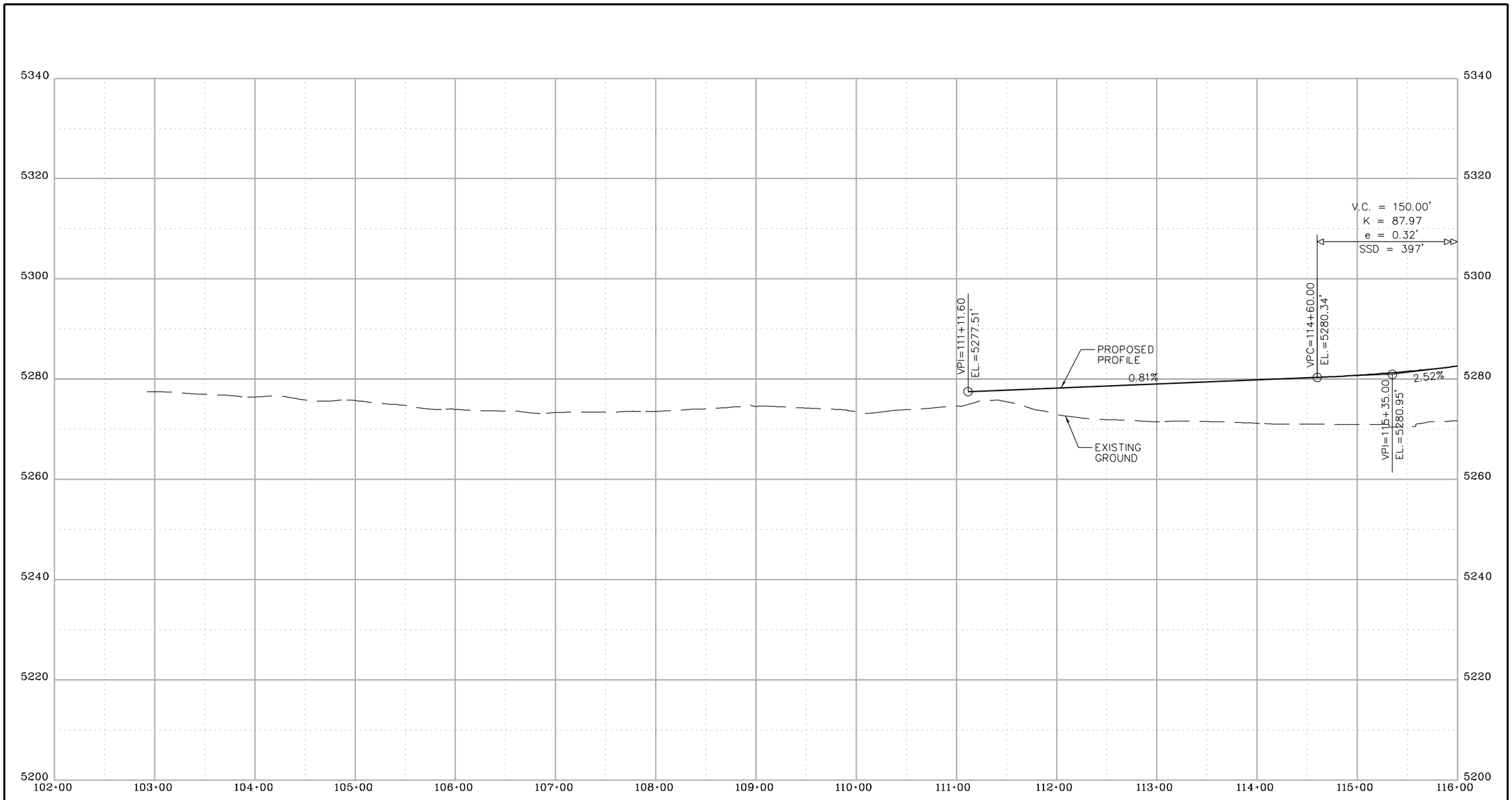
CENTRAL 70
QUEBEC ST PROFILE
STA 519+00 TO STA 526+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	102 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 102



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

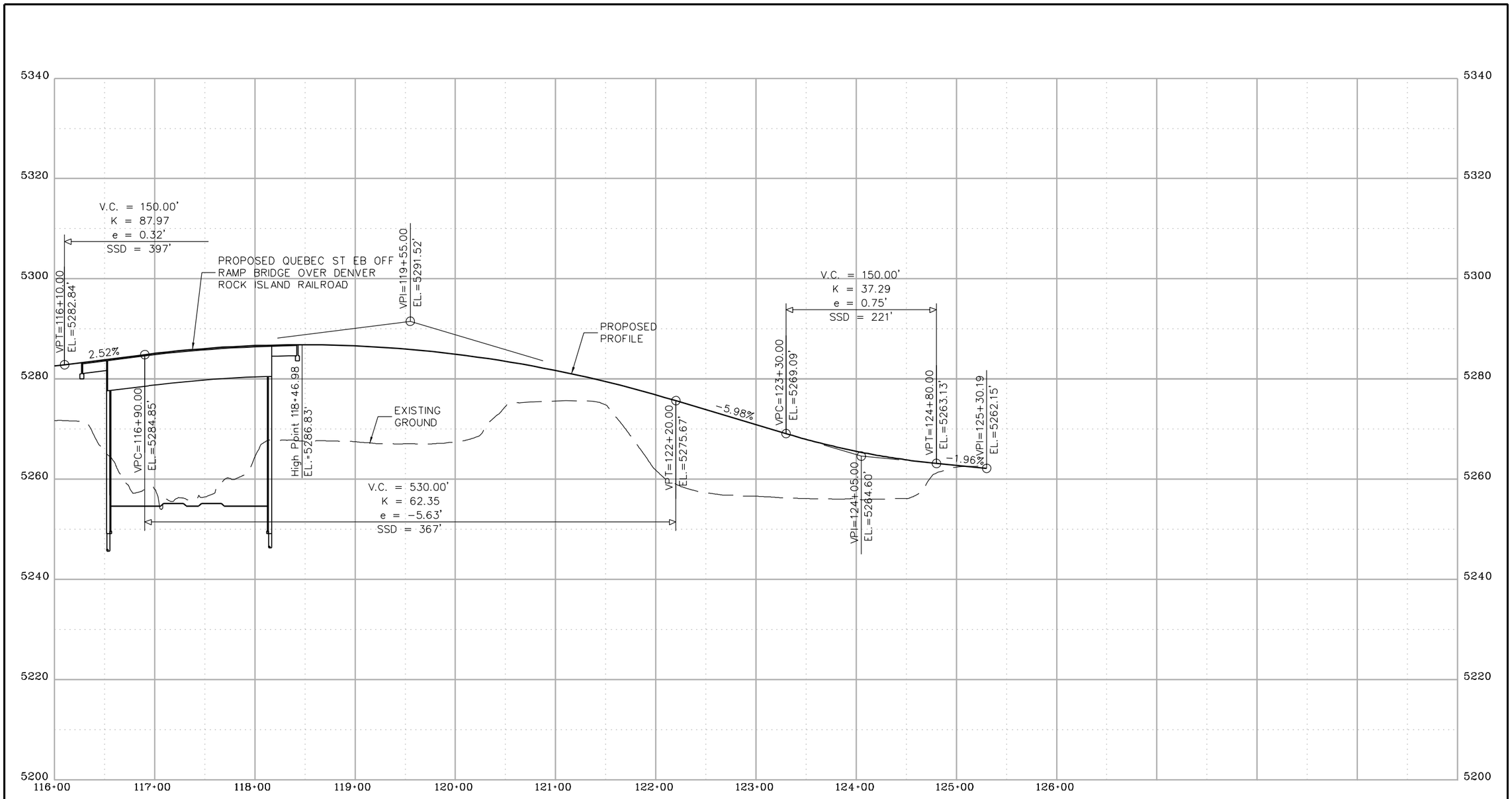
CENTRAL 70
QUEBEC ST EB OFF RAMP PROFILE
STA 102+00 TO STA 116+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	103 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 103



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

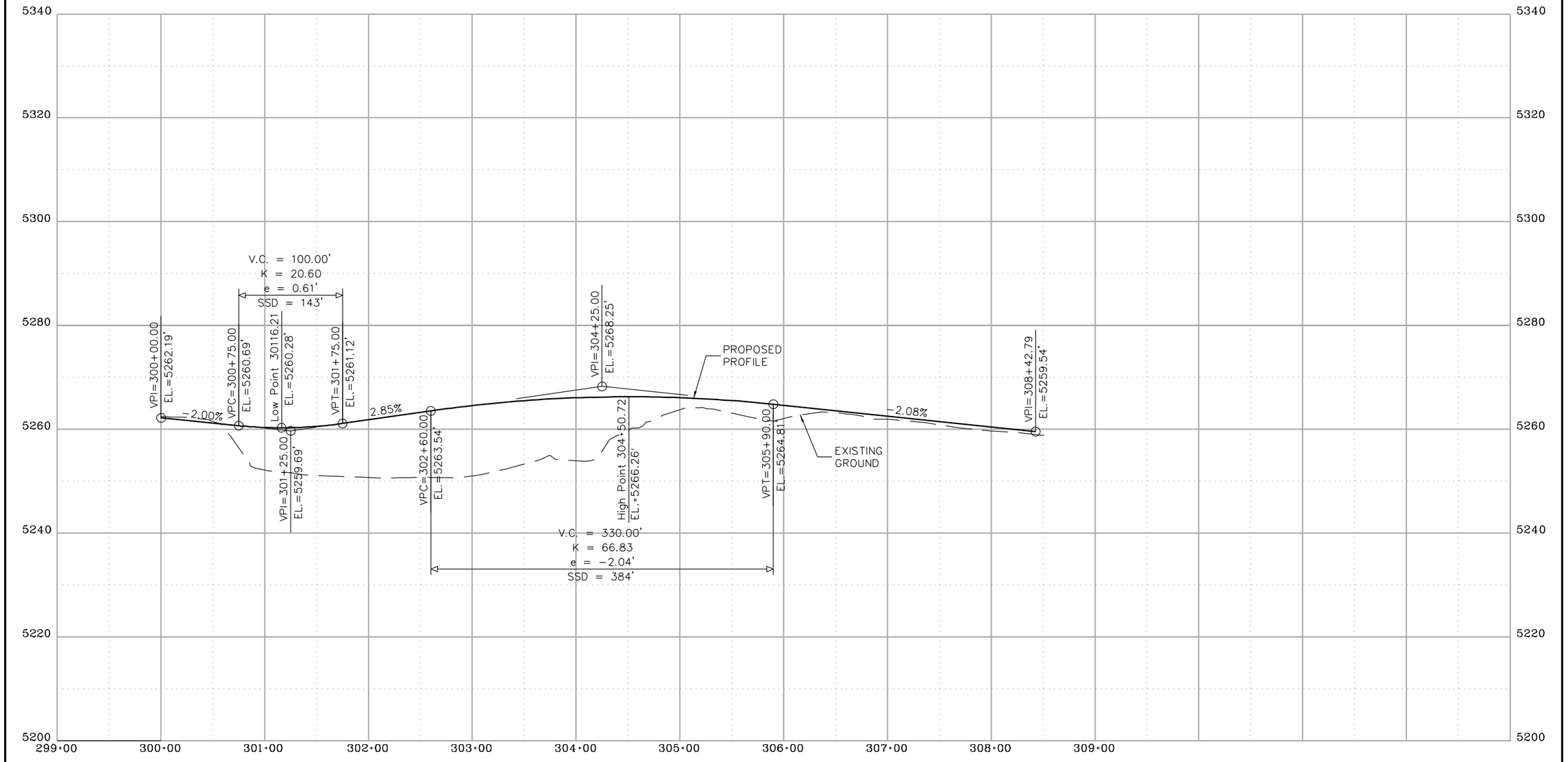
CENTRAL 70
QUEBEC ST EB OFF RAMP PROFILE
STA 116+00 TO STA 126+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	104 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 104



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

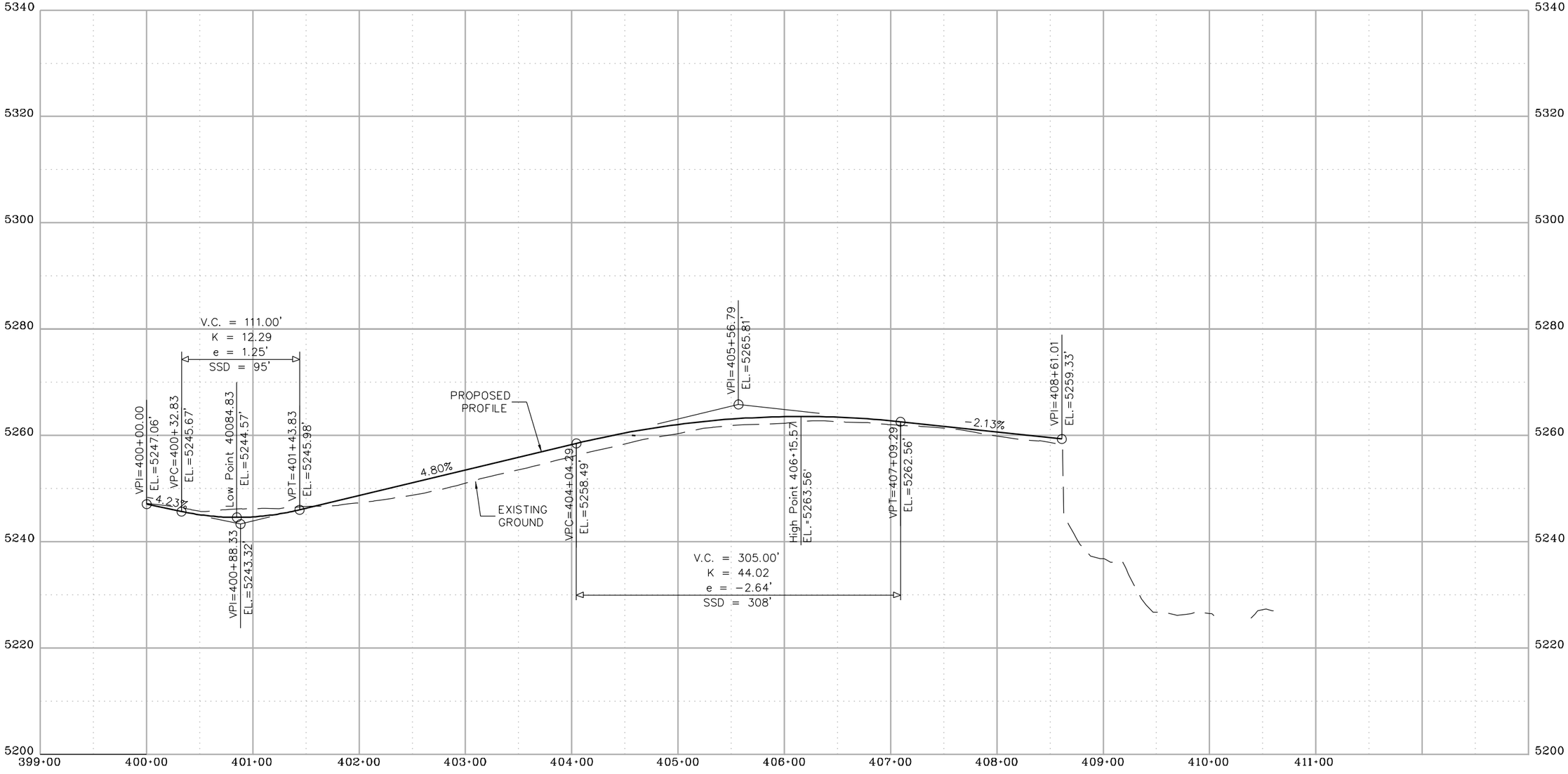
CENTRAL 70
QUEBEC ST EB ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	105 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 105



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

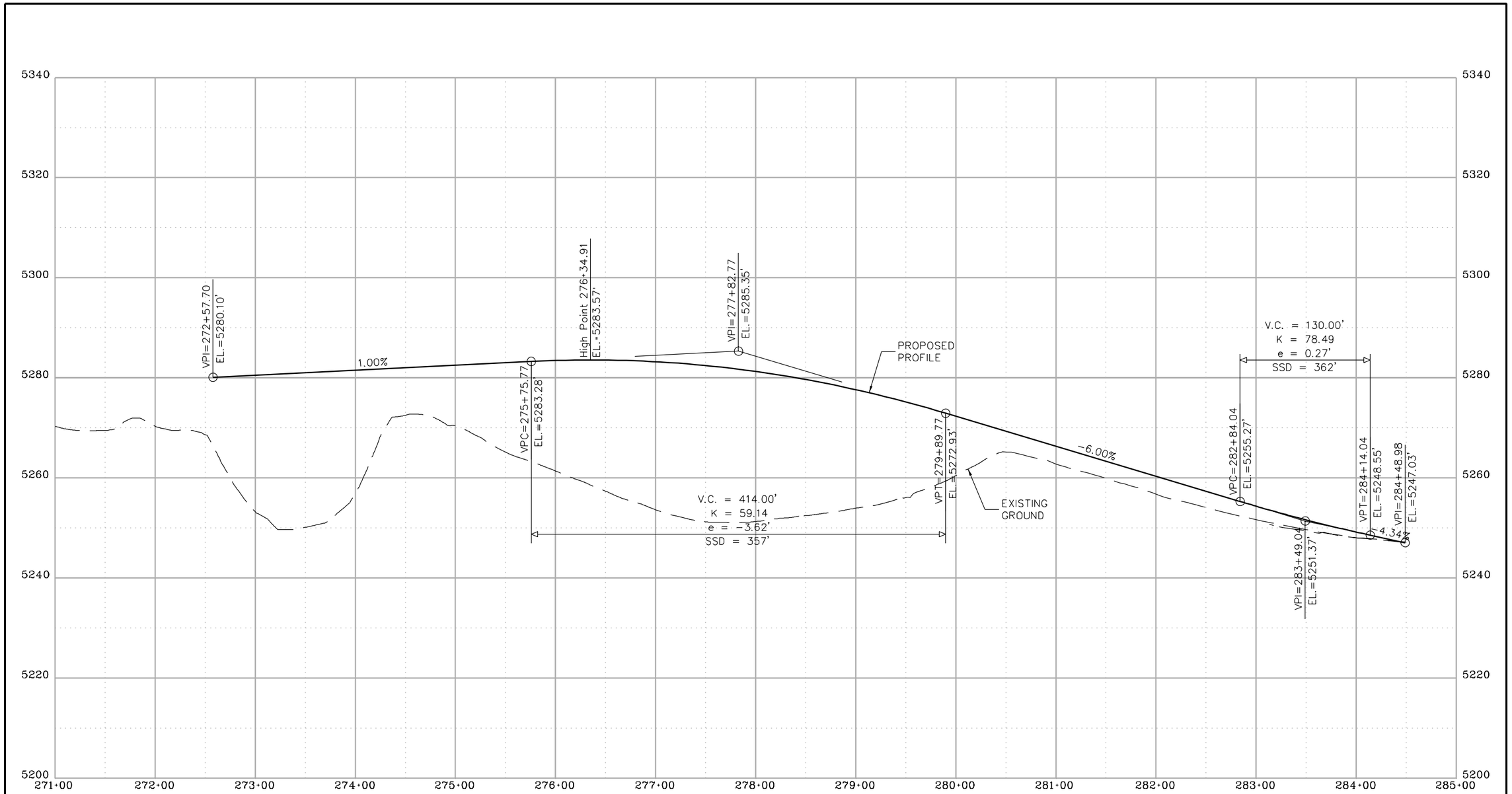
CENTRAL 70
QUEBEC ST WB OFF RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	106 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 106



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

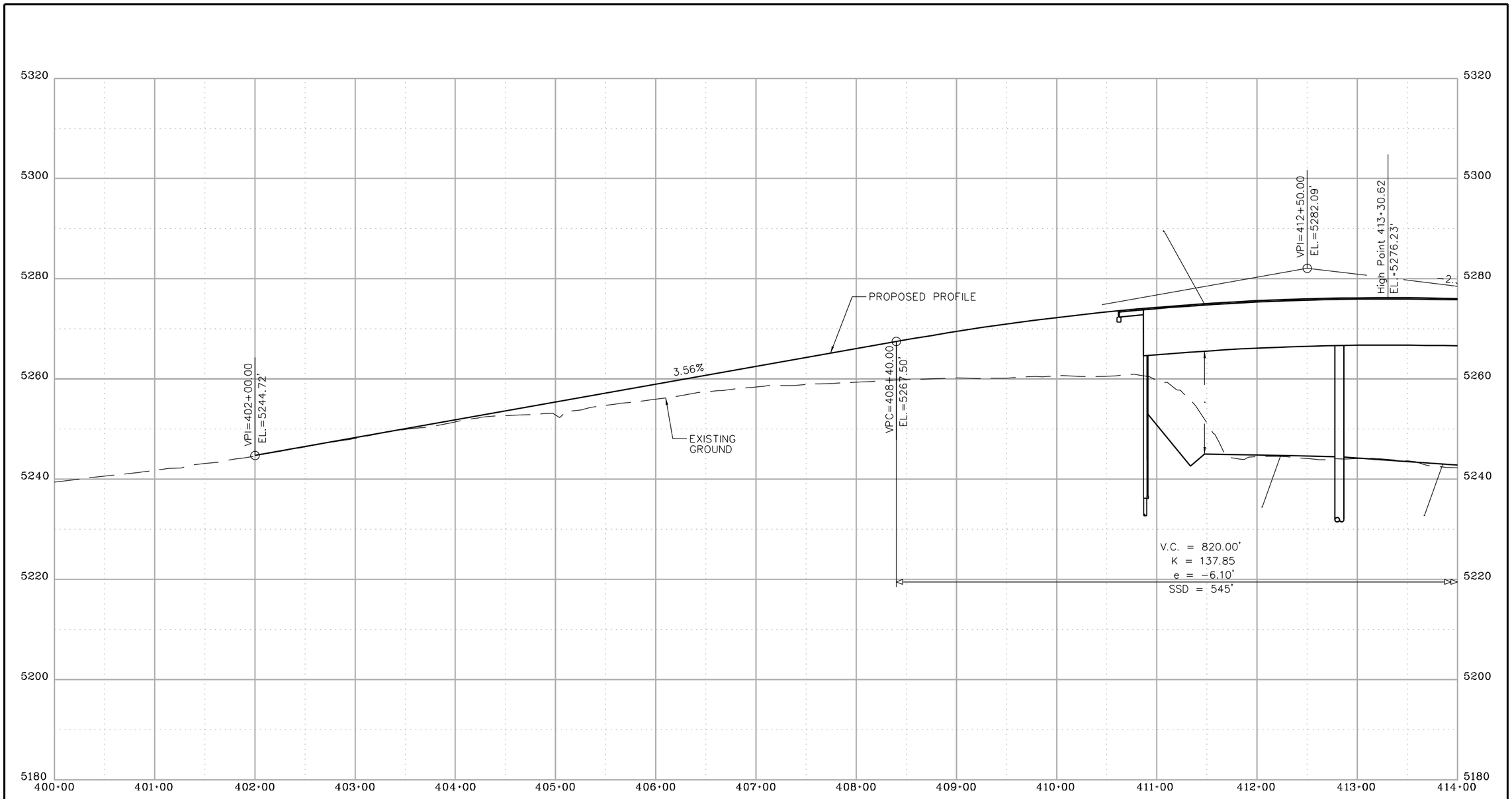
CENTRAL 70
QUEBEC ST WB ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	107 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 107



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

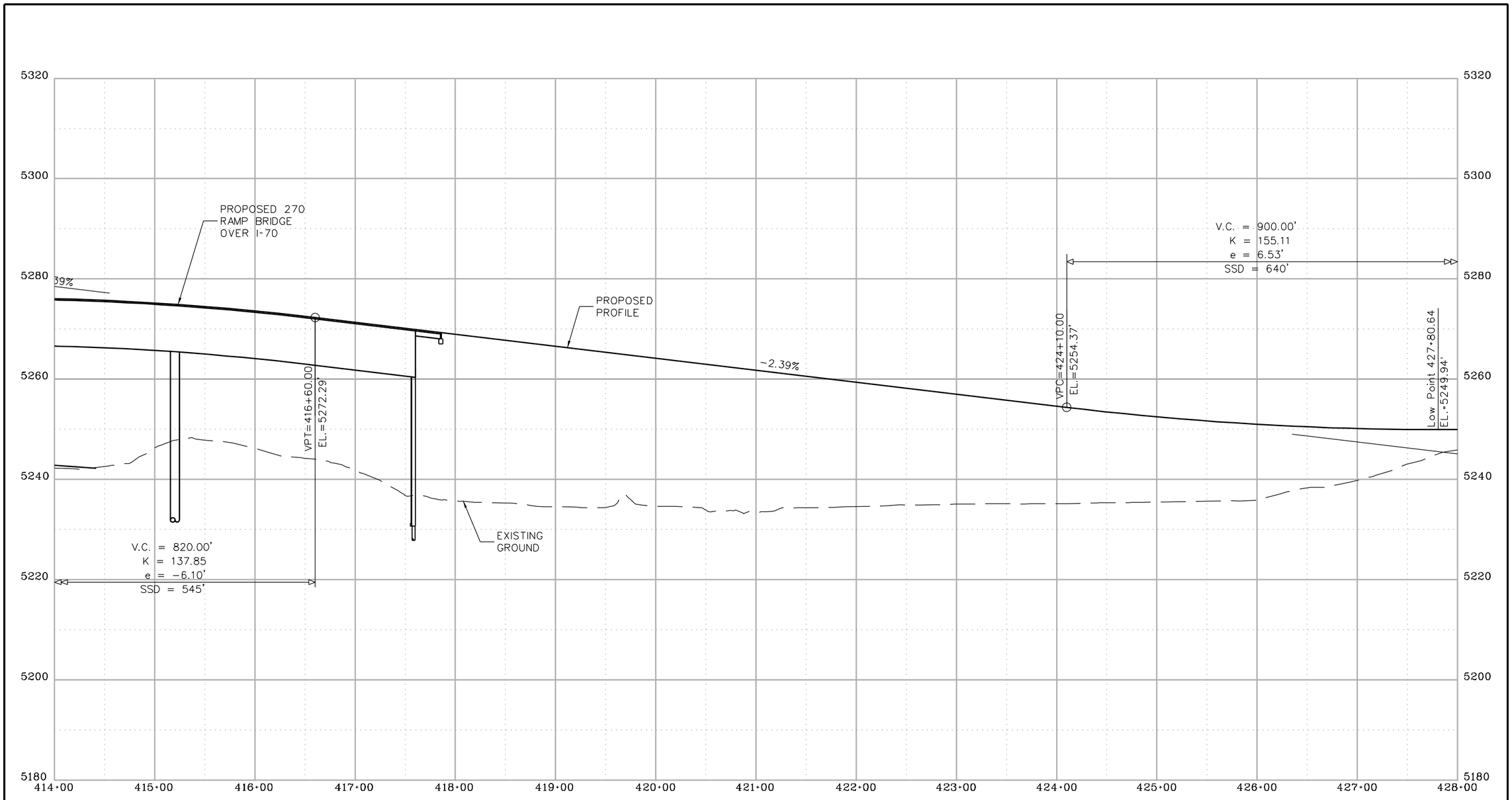
CENTRAL 70
270 FLYOVER PROFILE
STA 400+00 TO STA 414+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	108 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 108

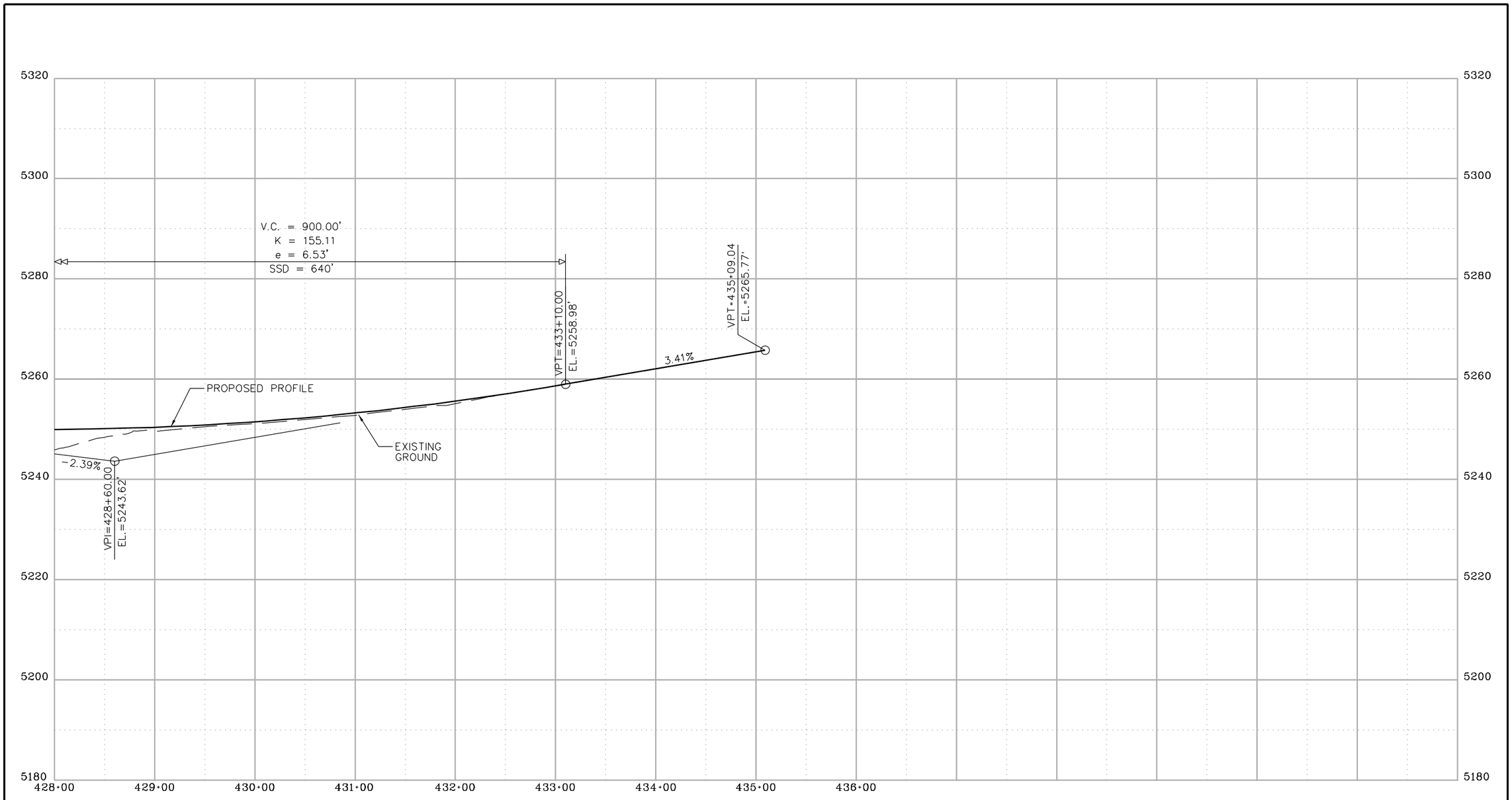


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 270 FLYOVER PROFILE STA 414+00 TO STA 428+00			
Designer: KMP	Structure Numbers	-	Project No./Code FBR 0704-234
Detailer: KMP		-	19631
Subset: PROFILES	Subset Sheets: 109 of 125		Sheet Number 109



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
270 FLYOVER PROFILE
STA 428+00 TO STA 436+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	110 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 110

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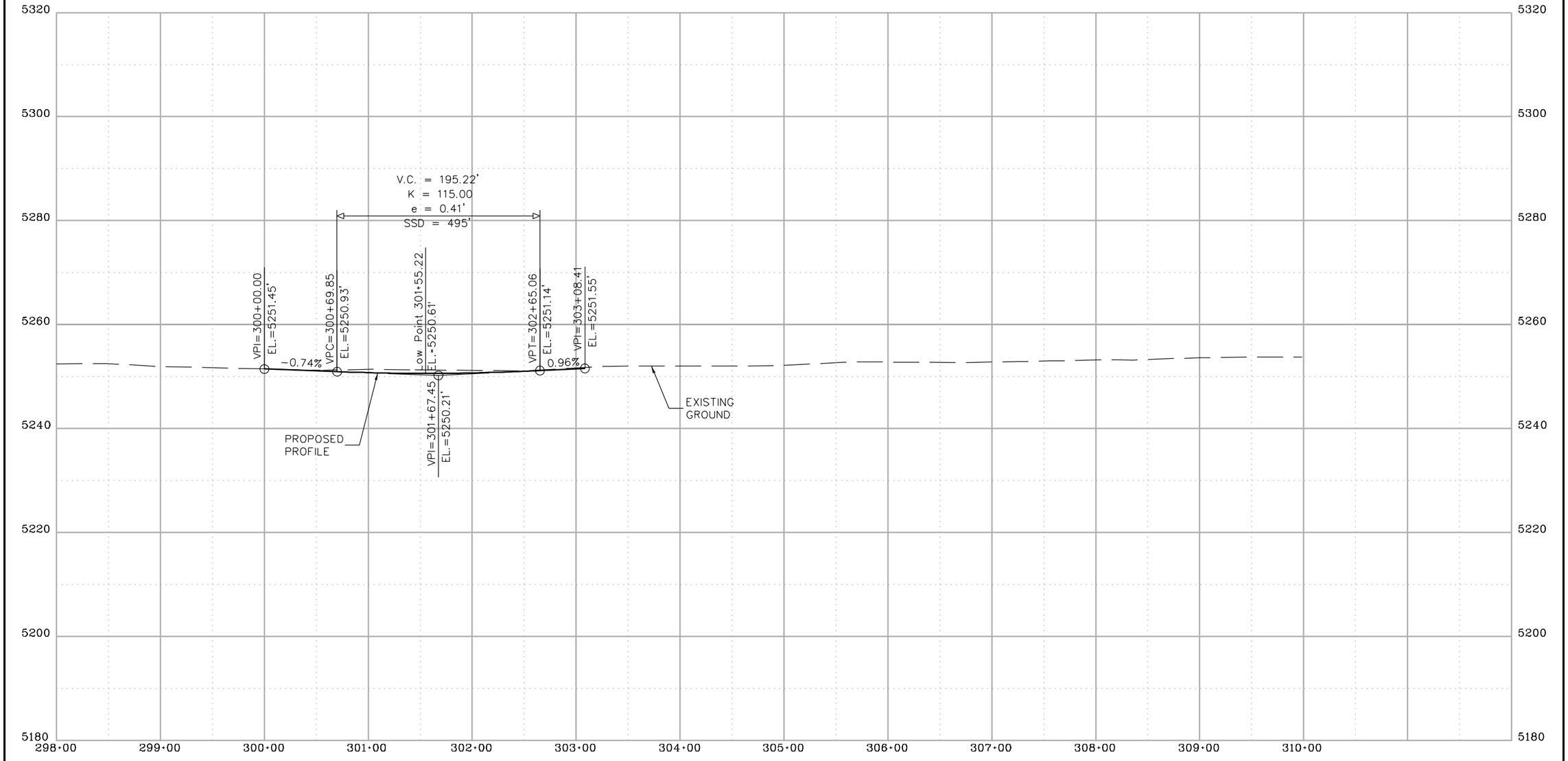

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
I-70 WB TO 270 WB
OFF RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	111 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 111

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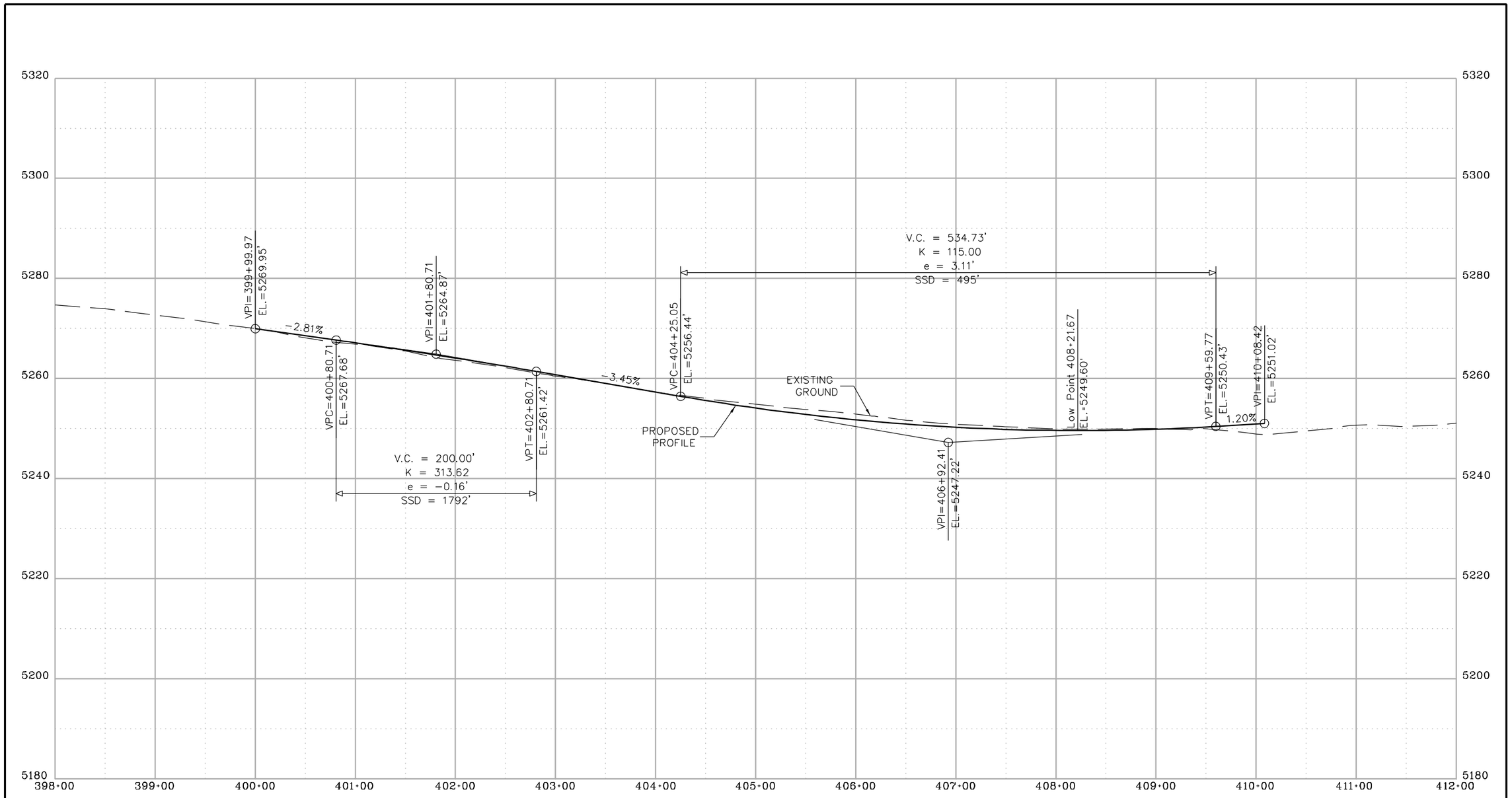


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

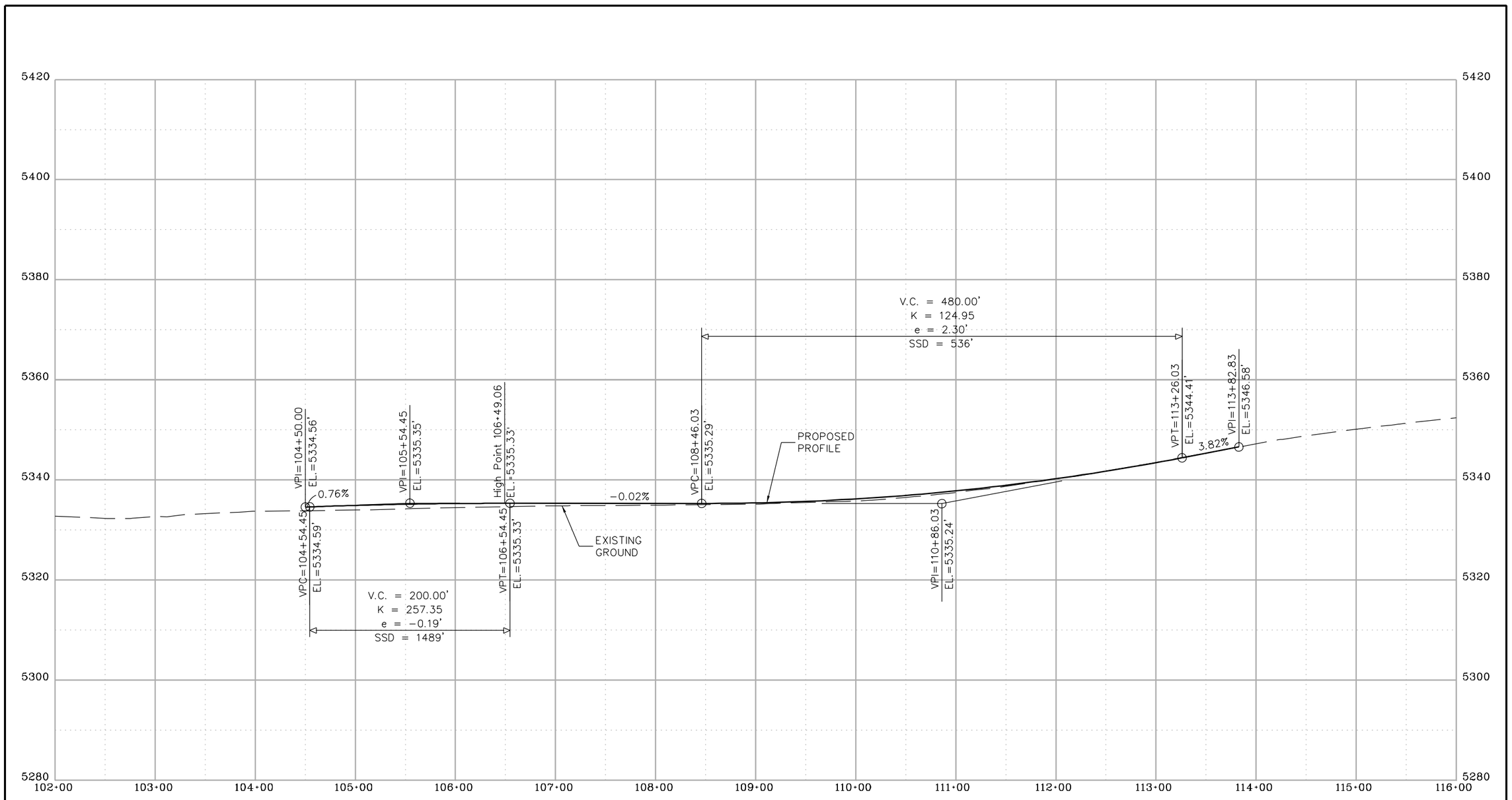
CENTRAL 70
270 EB TO I-70 EB
ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	112 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 112



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

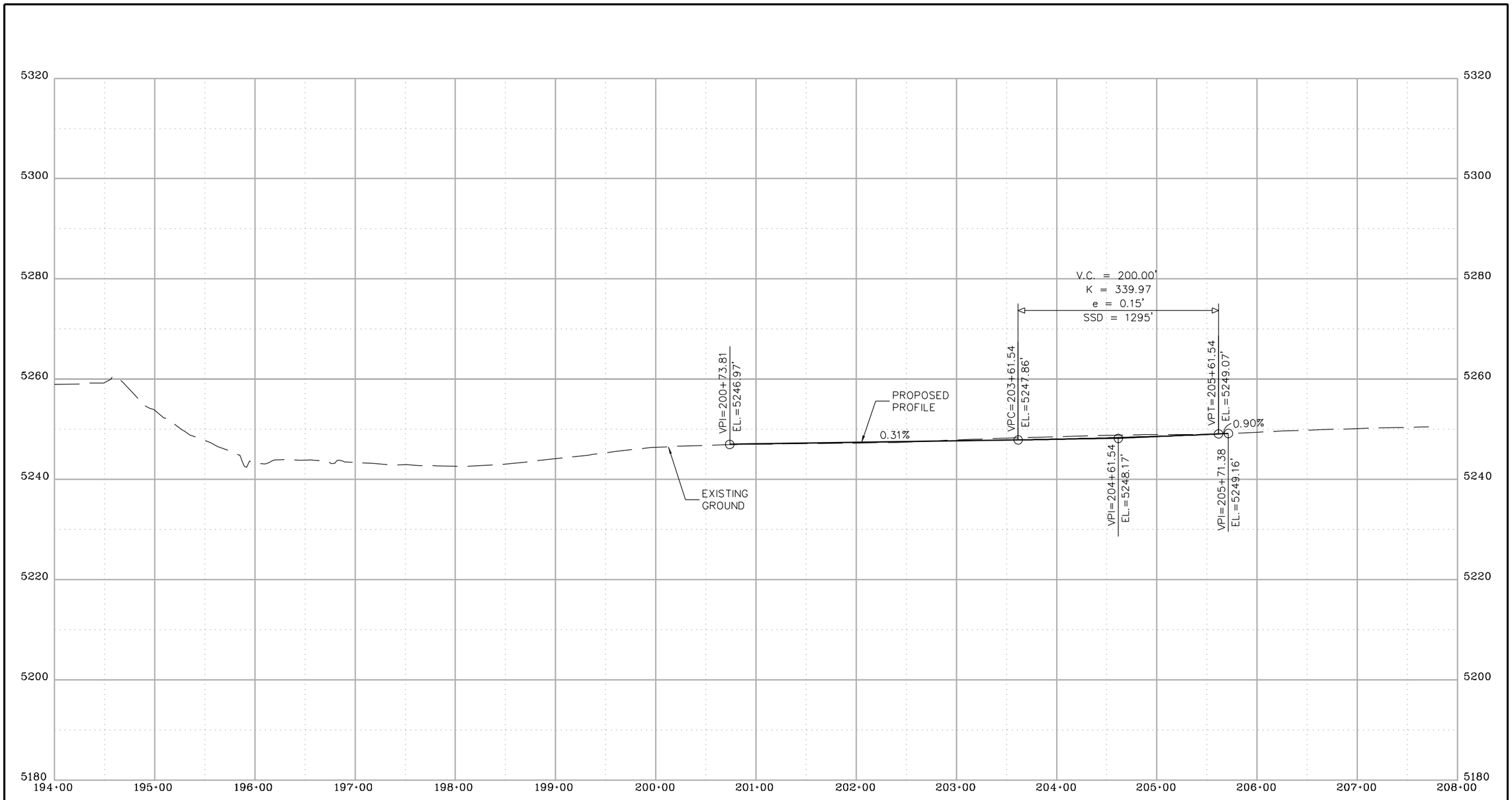
CENTRAL 70
I-225 ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	113 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 113



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

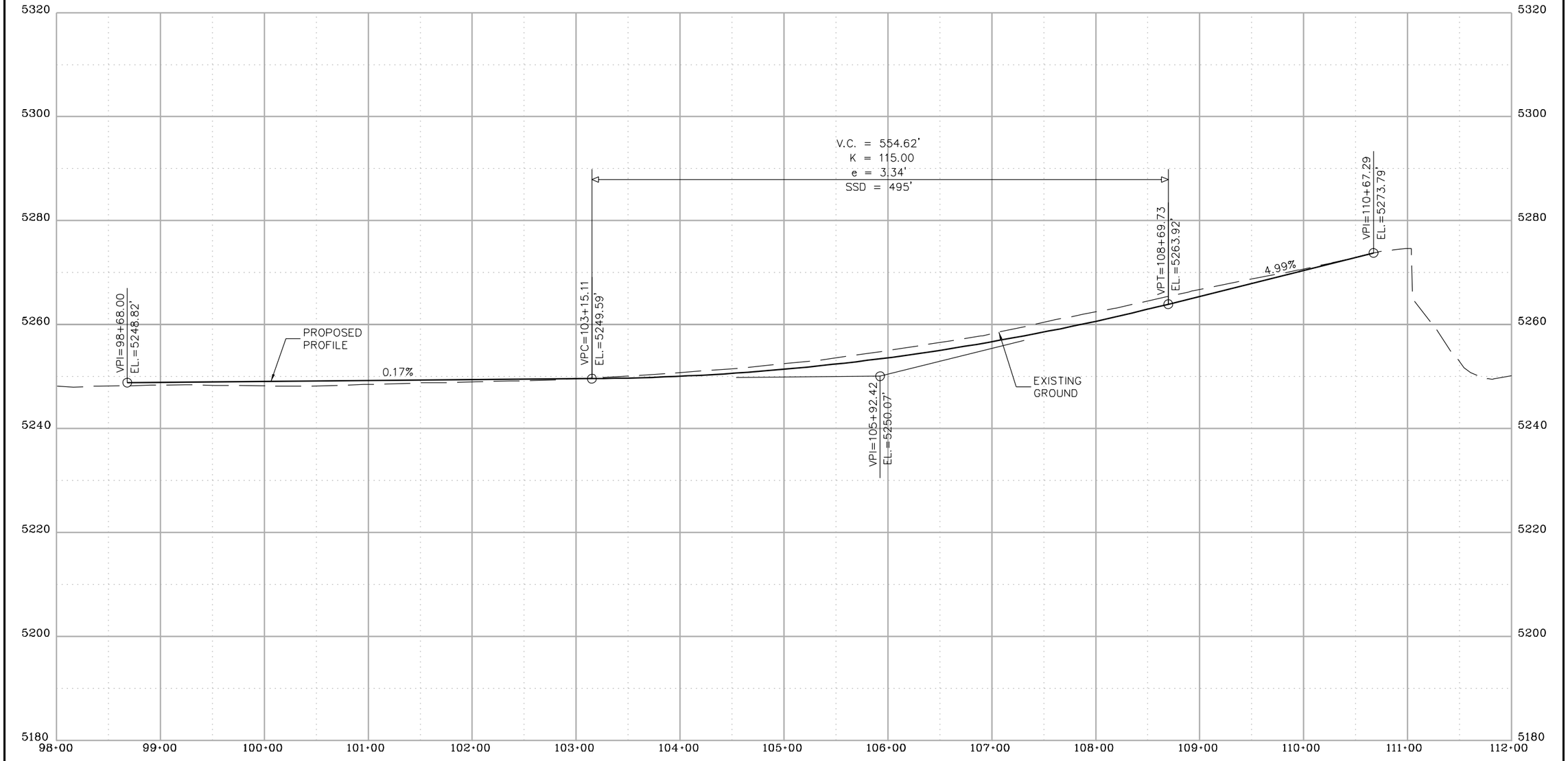
CENTRAL 70
CENTRAL PARK EB
OFF RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	114 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 114



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

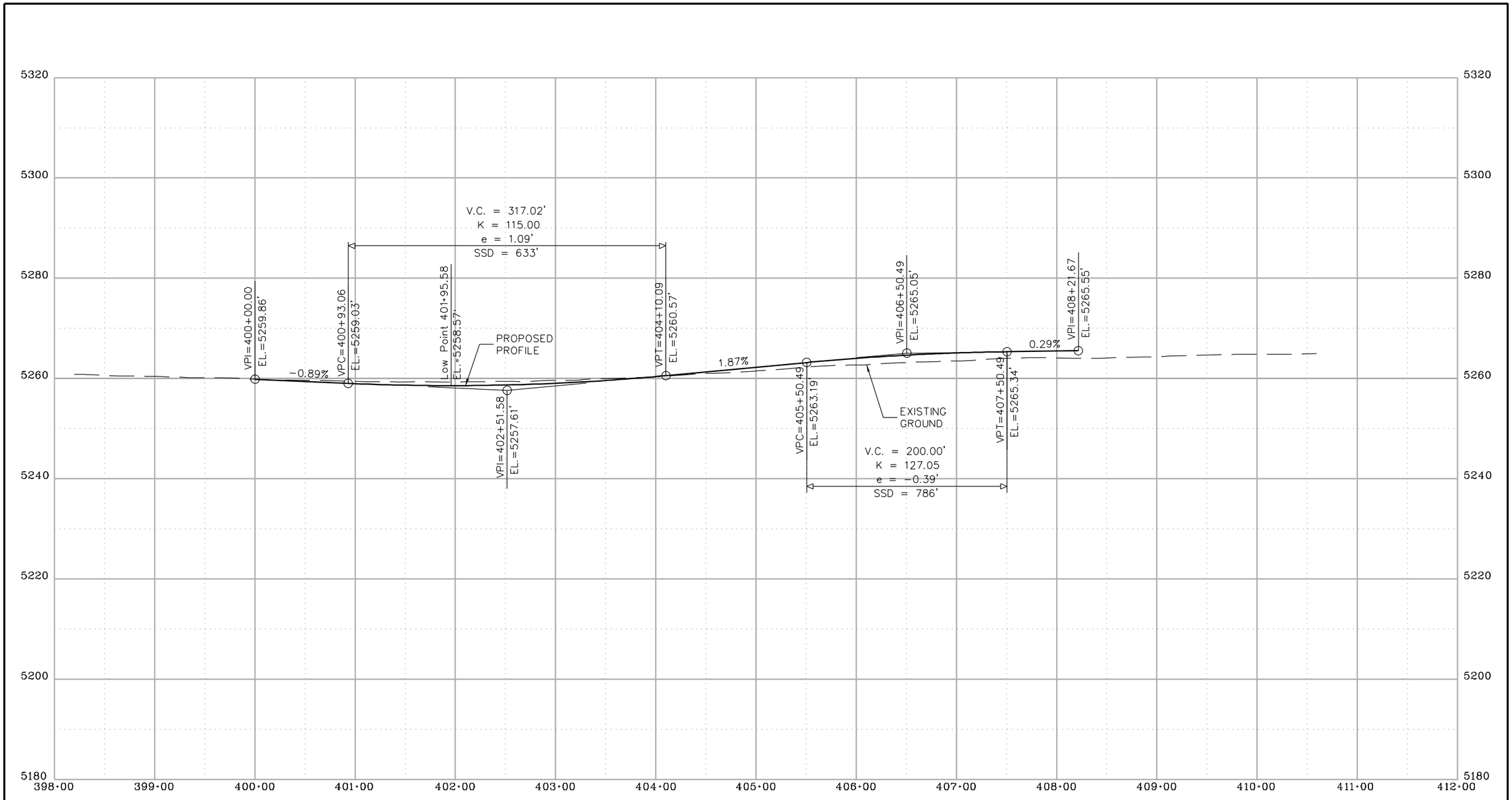
CENTRAL 70
CENTRAL PARK WB
ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	115 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 115



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

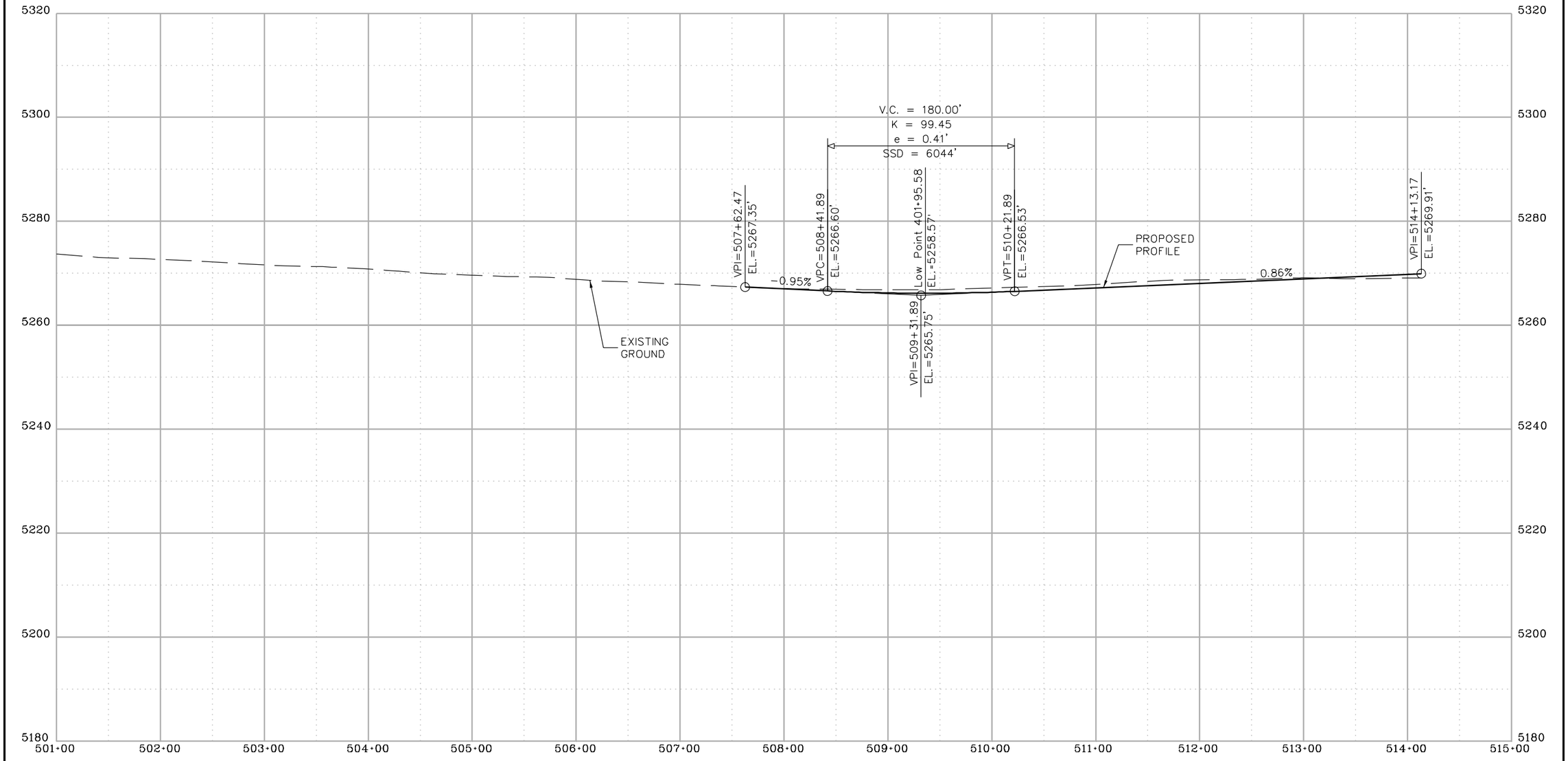
CENTRAL 70
CENTRAL PARK EB
ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	116 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 116



Kiewit meridiam PARTNERS

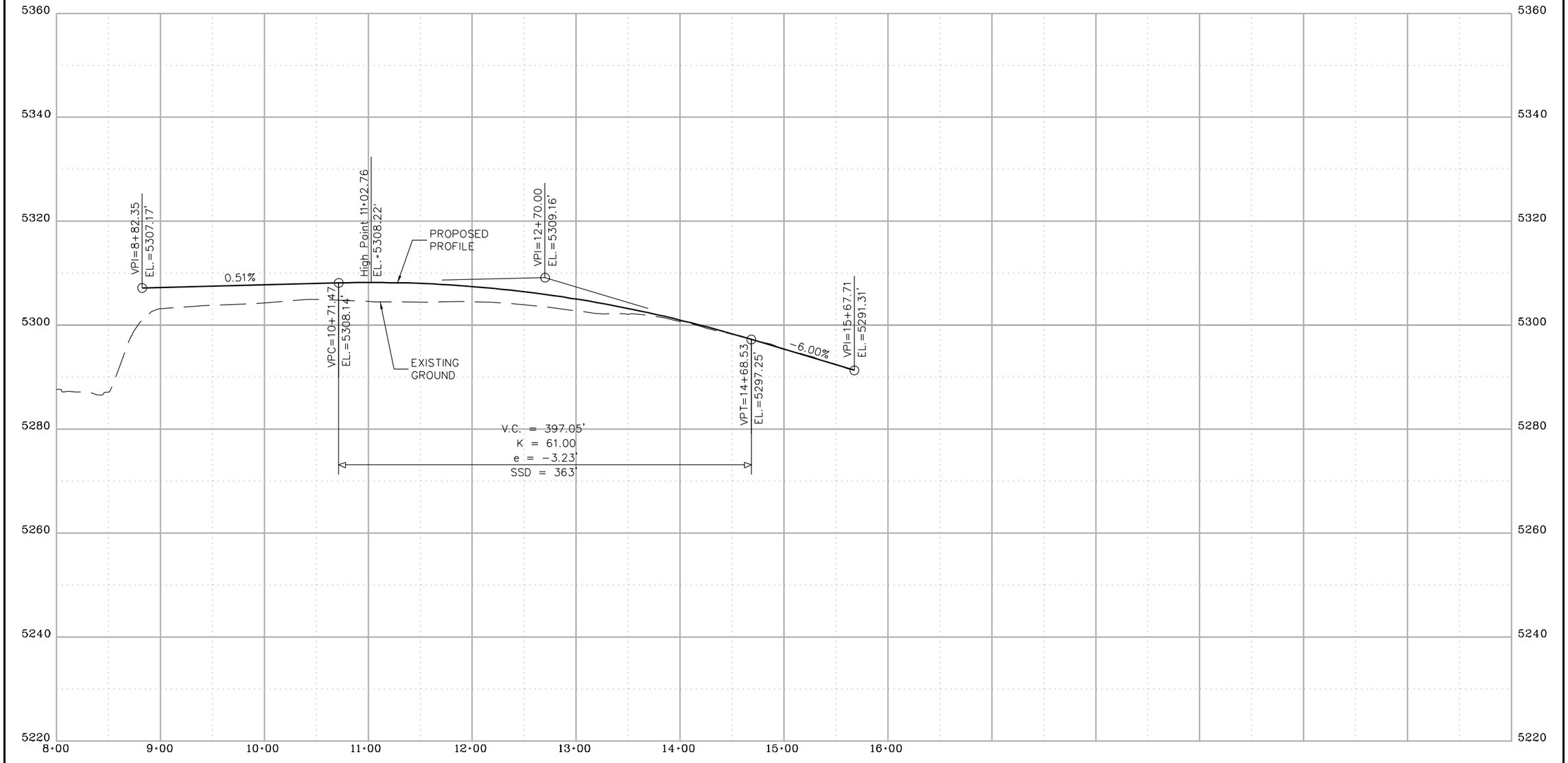
Central 70

0' 50' 100' 200'

CENTRAL 70
CENTRAL PARK WB
OFF RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	117 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 117



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

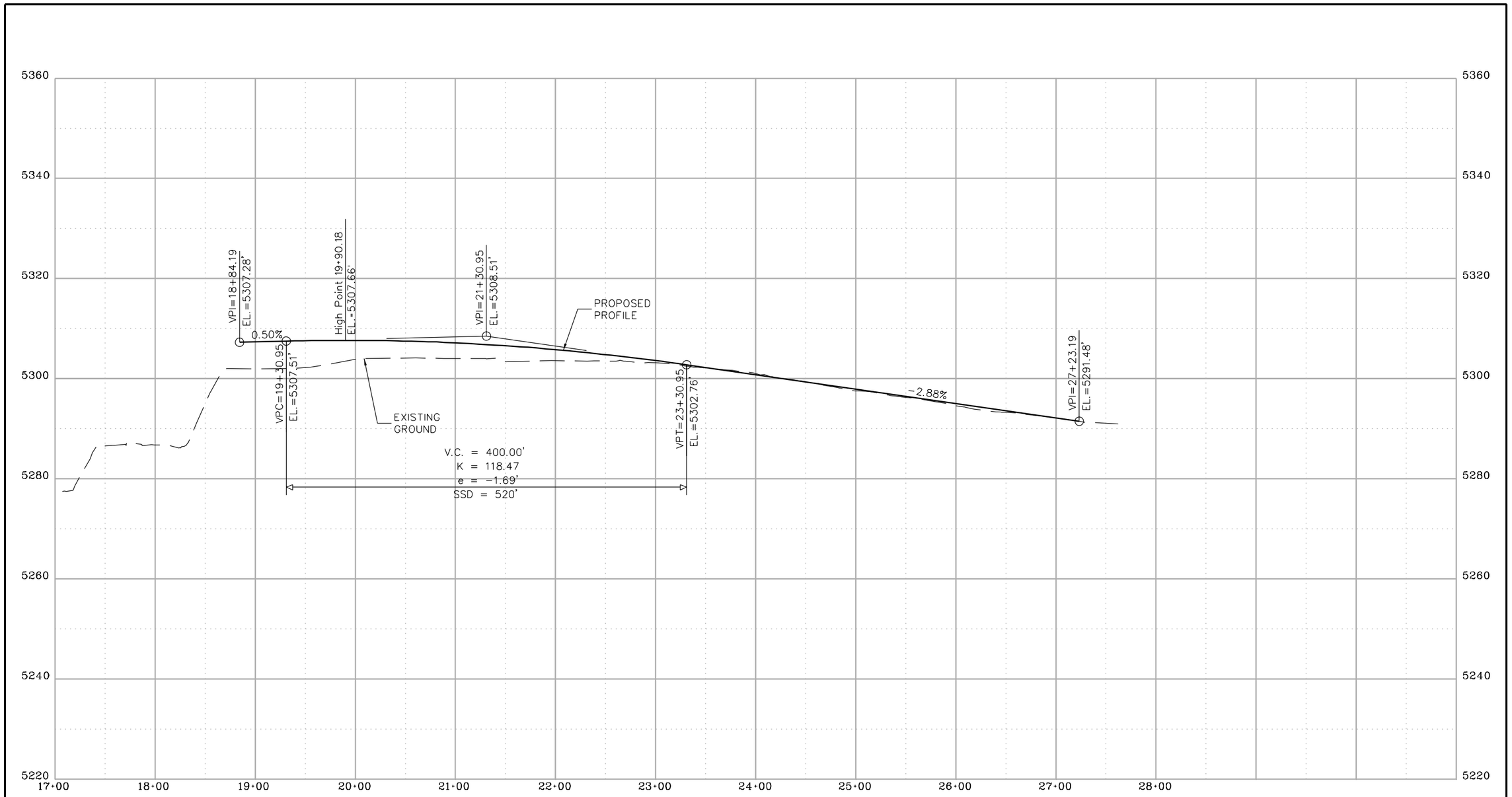
CENTRAL 70
HAVANA EB
OFF RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	118 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 118



Kiewit meridiam PARTNERS

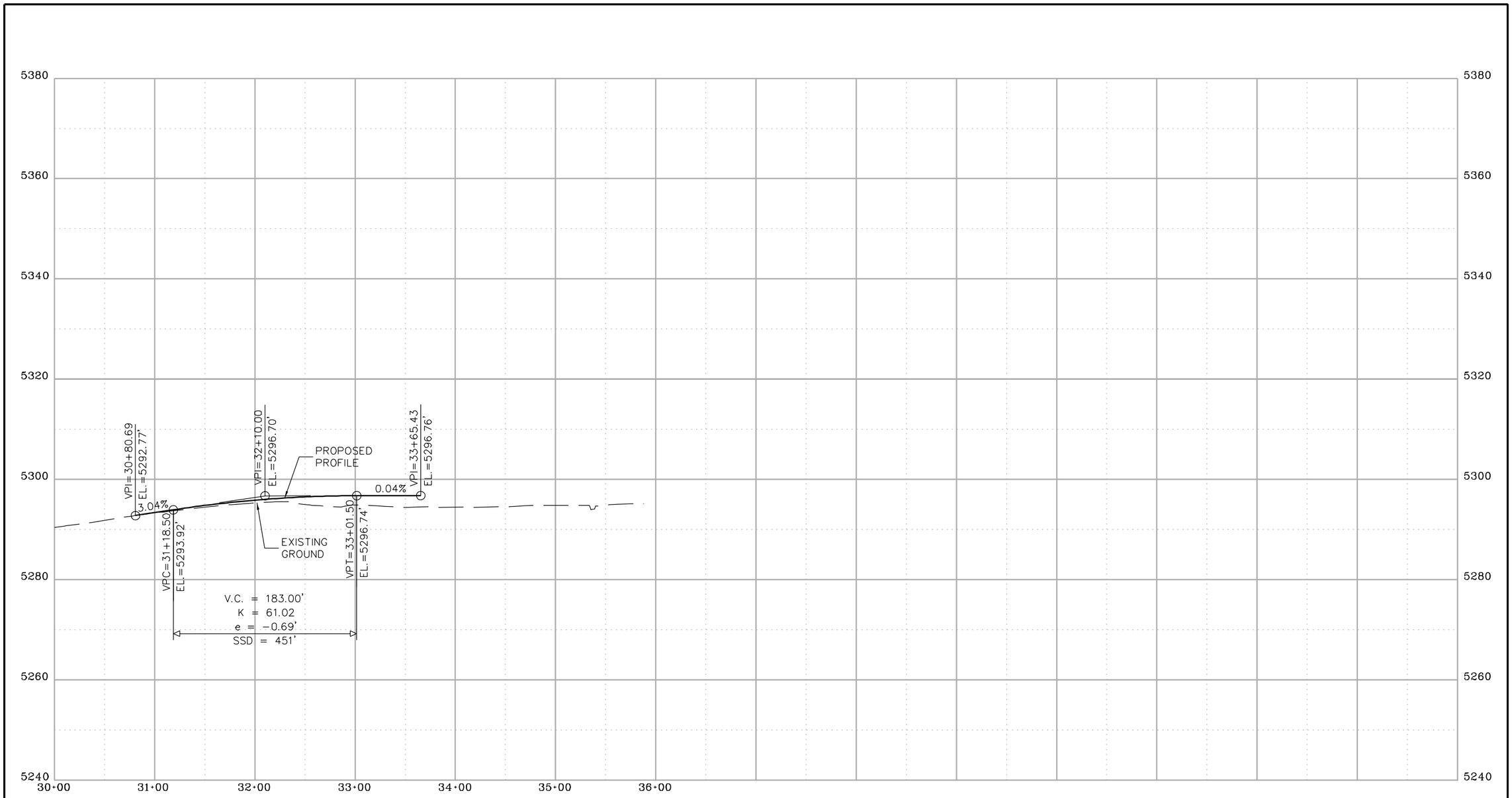
Central 70

0' 50' 100' 200'

CENTRAL 70
HAVANA WB
ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	119 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 119



Kiewit meridiam PARTNERS

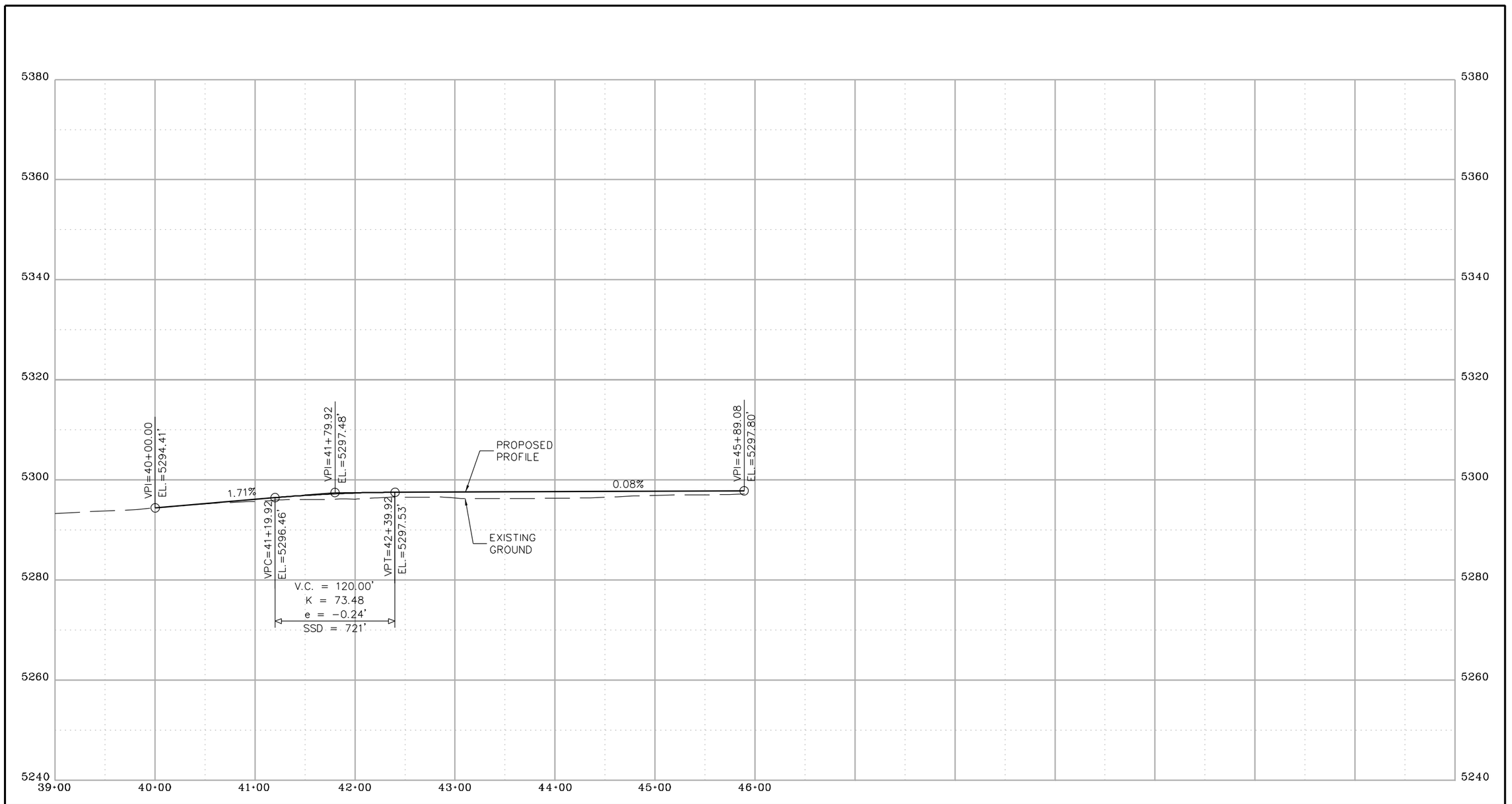
Central 70

0' 50' 100' 200'

CENTRAL 70
HAVANA EB
ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	120 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 120



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
HAVANA WB
OFF RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	121 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 121

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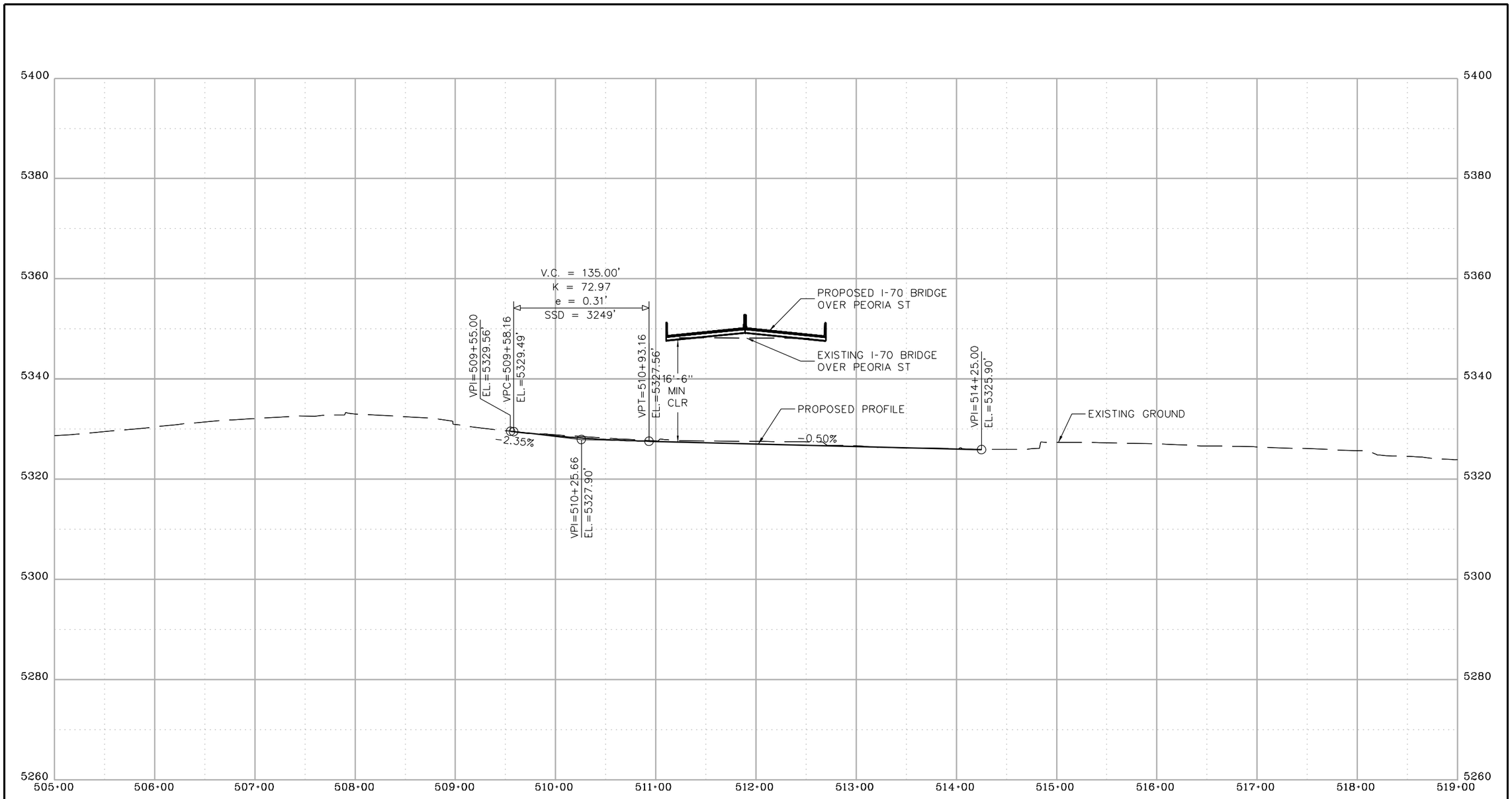
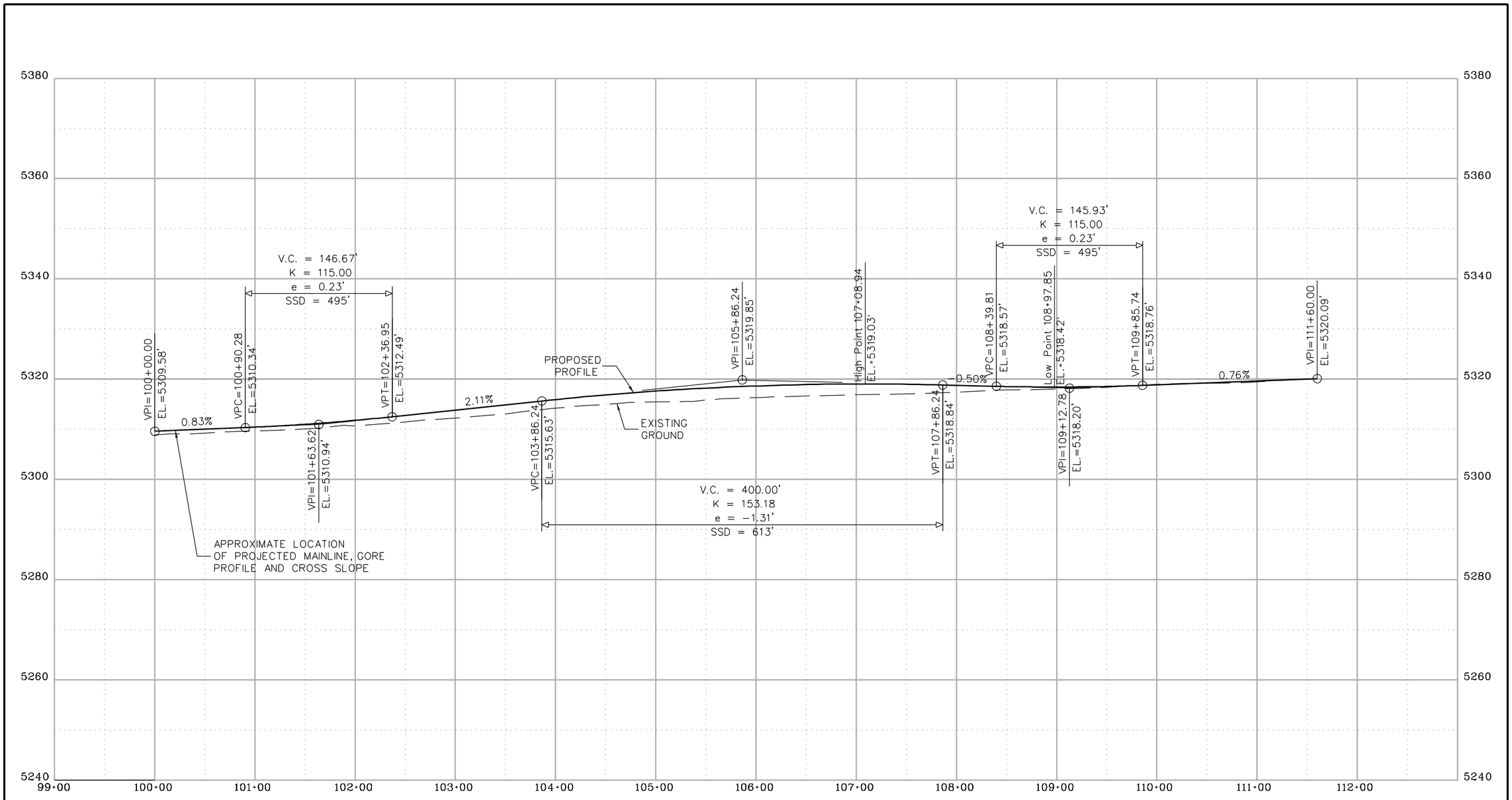


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70 PEORIA ST PROFILE				Project No./Code FBR 0704-234
Designer: KMP		Structure Numbers	-	19631
Detailer: KMP			-	
Subset: PROFILES		Subset Sheets: 122 of 125		Sheet Number 122



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

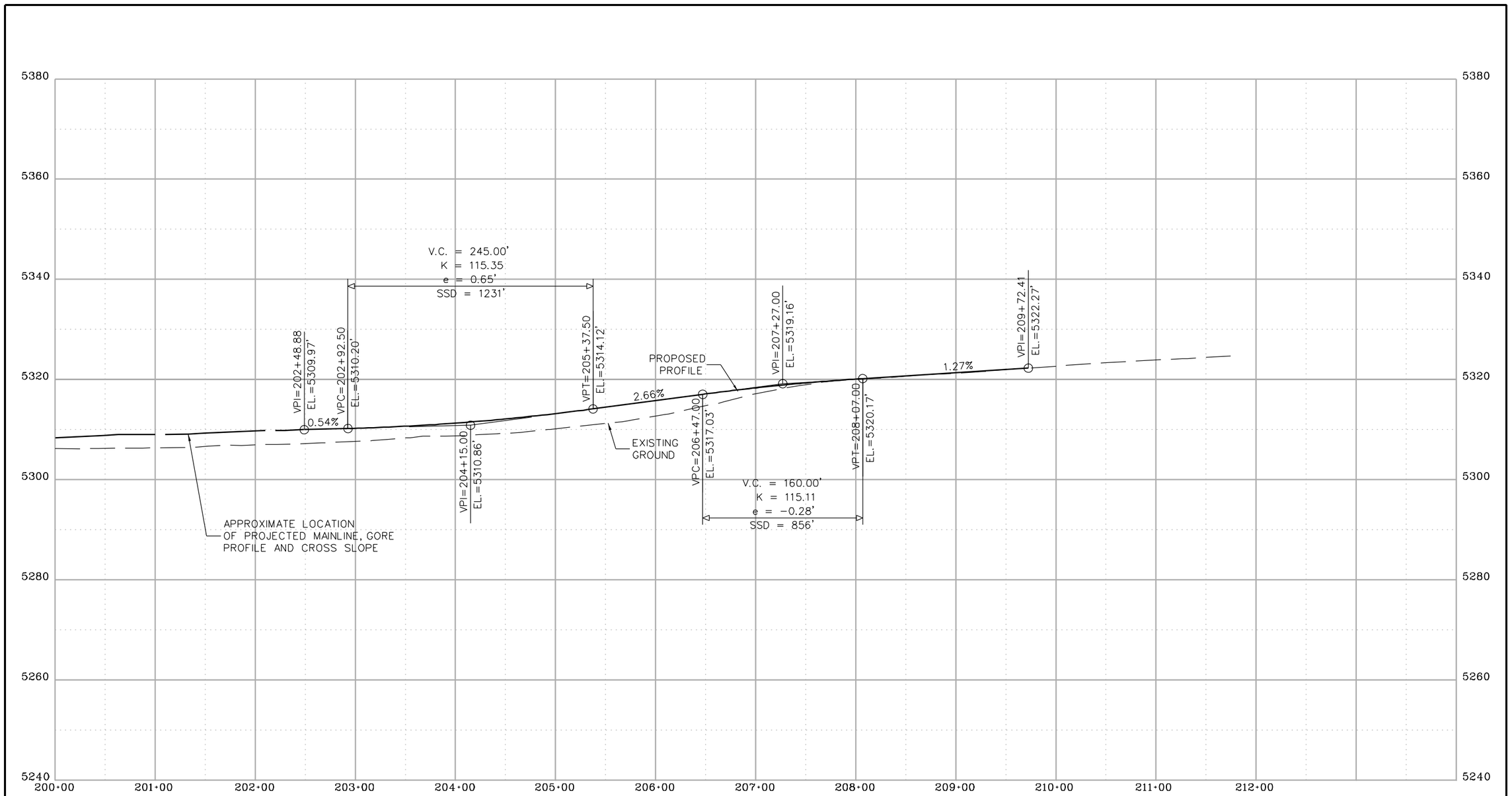
CENTRAL 70
PEORIA WB ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	123 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 123



Kiewit meridiam PARTNERS

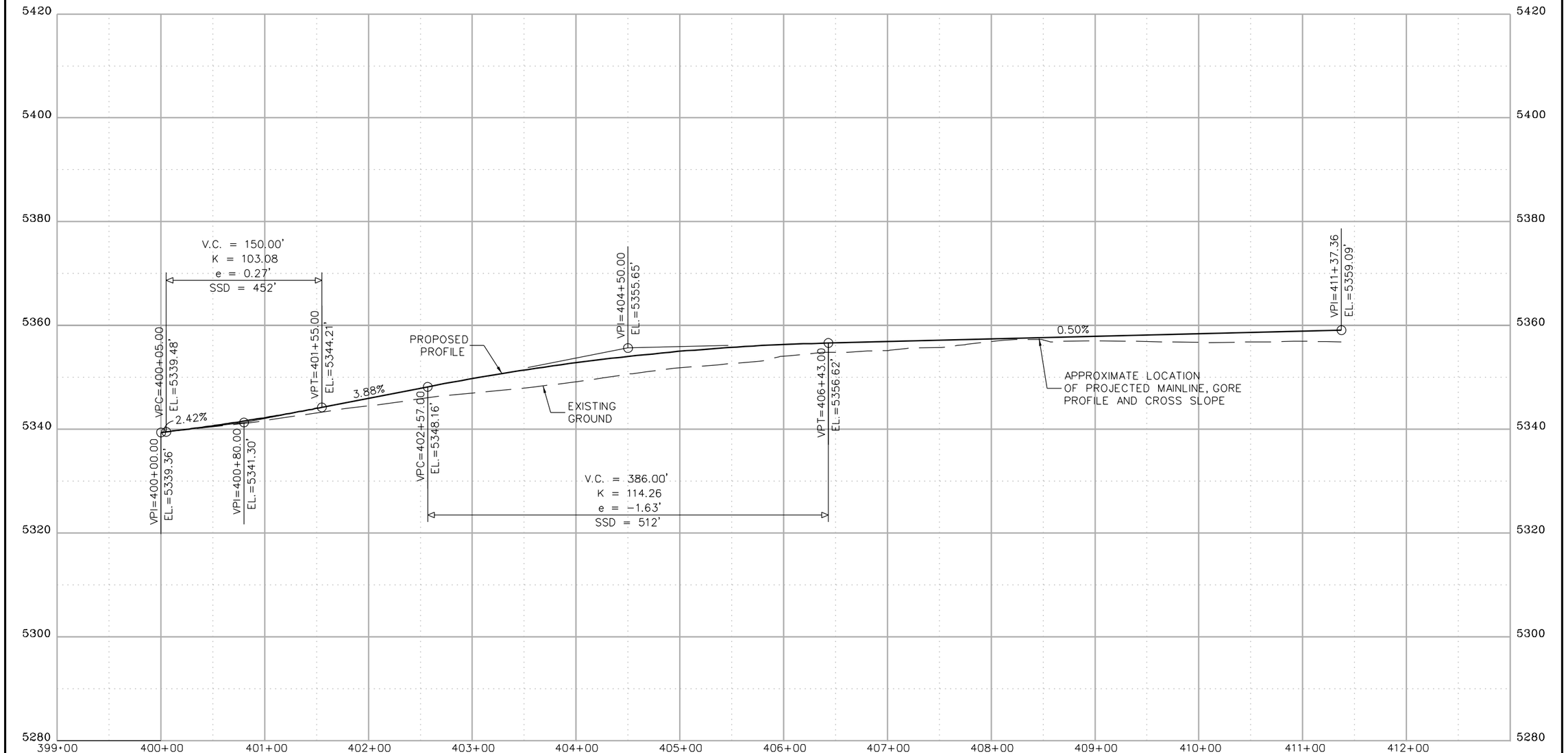
Central 70

0' 50' 100' 200'

CENTRAL 70
PEORIA EB OFF RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	124 of 125

Project No./Code
FBR 0704-234
19631
Sheet Number 124



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
PEORIA EB ON RAMP PROFILE

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	PROFILES	Subset Sheets:	125 of 125

Project No./Code
FBR 0704-234

19631

Sheet Number 125

PoDI / NHS	
FHWA PROJECT OF DIVISION INTEREST (PoDI)?	□ NO ■ YES
NATIONAL HIGHWAY SYSTEM?	□ NO ■ YES

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED
FEDERAL AID PROJECT NO. FBR 0704-234
INTERSTATE HIGHWAY NO. 70
DENVER COUNTY
CONSTRUCTION PROJECT CODE NO. 19631

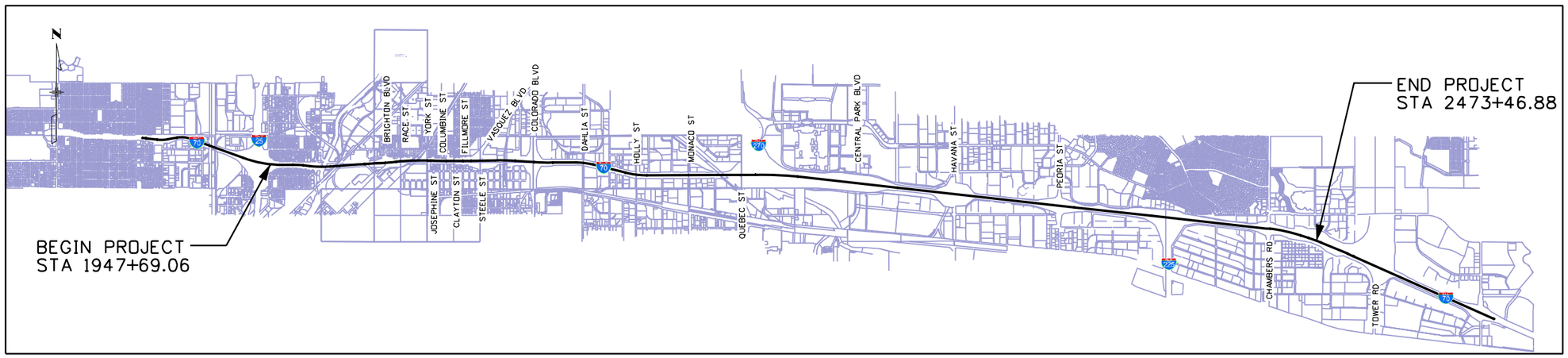
Related Projects:
P. E. UNDER PROJECT: FBR 0704-234
Project Number 19631
Project Code:

R.O.W. Projects:
R.O.W. Project Description
FBR 0704-234, 19631

TABULATION OF DESIGN DATA

DESIGN DATA	I-70 MAINLINE	RAMPS	LOCAL STREETS (2 LANES)	LOCAL STREETS (4 OR 6 LANES)
DESIGN SPEED	60 - 70 MPH	45 - 55 MPH	25 - 35 MPH	35 - 45 MPH
MINIMUM RADIUS	1330 - 2040 FT	643 - 1060 FT	198 - 510 FT	510 - 1039 FT
S.S.D. (LEVEL GRADE)	570 - 730 FT	360 - 495 FT	155 - 360 FT	250 - 360 FT
CLEAR ZONE - MINIMUM	30 FT	16 - 20 FT	N/A	20 FT
CLEAR ZONE - DESIRED	34 FT	18 - 22 FT	N/A	22 FT
SUPERELEVATION (eMAX)	6%	6%	NORMAL CROWN	NORMAL CROWN
GRADE (MAXIMUM)	3% - 4%	4% - 6%	3% - 6%	6%
GRADE (MINIMUM)	0.5% - 0.75%	0.5%	0.5%	0.5%
2012 AADT	247000	15000	7400	33000
DHV % TRUCKS	0.08	0.08	0.1	0.09

APENDIX A - (BINDER 4 OF 13)



PROJECT LOCATION MAP

Kiewit meridiam PARTNERS

Central 70

Contract Information	
Contractor:	
Resident Engineer:	
Project Engineer:	
PROJECT STARTED: / /	ACCEPTED: / /
Comments:	

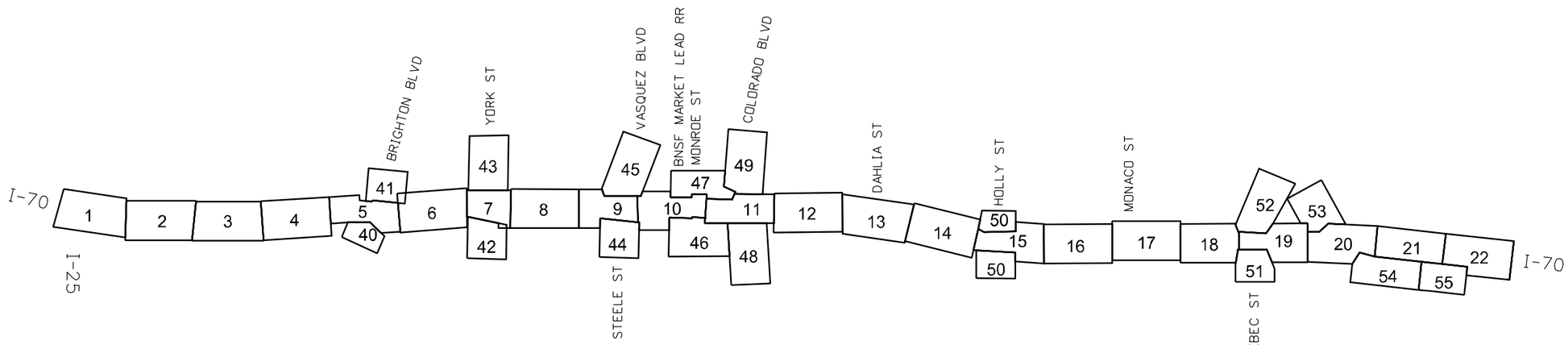
Project No./Code	
FBR 0704-234	
19631	
Sheet Number	1

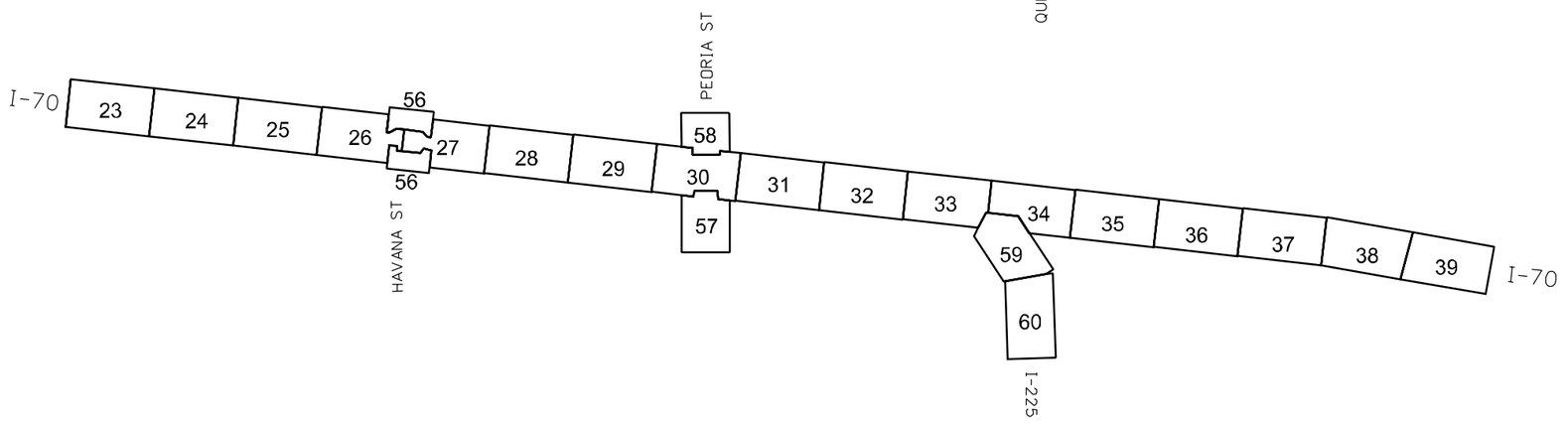
KMP has provided a full Evaluation Criteria Matrix to align the requirements of the Draft Design Drawings per the Instructions to Proposers with the drawings provided.

	Item	Presented On	Roll Plots	Binder 2 of 13	Binder 3 of 13	Binder 4 of 13	Binder 5 of 13	Binder 6 of 13	CHECK
A. DRAFT ROADWAY DESIGN DRAWINGS	i. General Project roadway information including Project limits, design speeds, functional classification(s), and minimum design values met	Title Sheet for Each Plan Volume		X	X	X	X		☐
	ii. Project horizontal alignments including PI station/location, degree of curve, radius, length of curve, PC and PT (graphical location) and bearings shown on a schematic plan at 1” to 100’, or 1” to 200’ scale and on Plan sheets at 1” to 100’ scale	Alignment Plans		X					☐
	iii. All lanes on mainline ramps and cross streets, including turn lanes	Roadway Plans		X					☐
	iv. Project planimetrics including curbs and barriers, driveways and edge of pavement	Roadway Plans		X					☐
	v. Bridge locations and limits, bridge types, foundation types, controlling vertical clearances, and span arrangements	Bridge Plans				X			☐
	vi. Preliminary wall types, proposed locations and limits for retaining walls	Retaining Wall Location Plans				X			☐
	vii. Approximate locations of proposed site access and borrow and waste sites	Roll Plot	X						☐
	viii. Directional arrows indicating the number of lanes	Roadway Plans		X					☐
	ix. Proposed right-of-way (ROW) limits and control of access limits including any Additional Right-of-Way and any Temporary Properties that, in each case, Proposer has identified as necessary to implement its Proposal	Roadway Plans		X					☐
	x. Existing/natural ground and project and vertical alignments including vertical clearance, grades, VPI station, vertical curve length and K-values shown on profiles at a scale of horizontal - 1” = 100’ and vertical - 1” = 20”	Roadway Profiles			X				☐
	xi. Typical sections including existing ground, pavement cross slope, super-elevation, lane and shoulder widths, and slope ratio for fills and cuts, drainage and ditches, legend of material types and thicknesses	Typical Sections		X					☐
	xii. Cross sections of the mainline at a spacing of 1,000 ft. and at a scale of 1” = 50’ (horizontal and vertical)	Cross Sections				X			☐
	xiii. Location and text of the large guide signs	Roll Plot	X						☐

	Item	Presented On	Roll Plots	Binder 2 of 13	Binder 3 of 13	Binder 4 of 13	Binder 5 of 13	Binder 6 of 13	CHECK
B. DRAFT DRAINAGE DRAWINGS	i. Location of major drainage elements including trunk lines and cross culverts	Drainage Plans			X				☐
	ii. Outfall locations	Drainage Plans			X				☐
	iii. Water quality features including detention and retention structures	Drainage Plans			X				☐
	iv. Connections to existing systems	Drainage Plans			X				☐
C. DRAFT COVER AND SWANSEA ELEMENTARY SCHOOL LANDSCAPE AND AESTHETIC DESIGN DRAWINGS	i. Urban design plans, which shall be consistent with the requirements therefor specified in Section 14 (*Landscaping and Aesthetics*) of Schedule 10 (*Design and Construction Requirements*) to the Project Agreement, excluding the visual renderings otherwise required by Section 14.5.5.e of Schedule 10 (*Design and Construction Requirements*) to the Project Agreement	Urban Design Plans and Landscape Narrative					X		☐
	a. Narrative of the Developer's design process to be completed and approach to achieving the vision set forth for the space both in program and character.	Urban Design Narrative					X		☐
	b. Narrative and plans that outline the opportunities and constraints in the design and construction Elements.	Urban Design Narrative; Cover Landscaping Detail Plans					X		☐
	c. Narrative and plans for the cross streets, Columbine, Clayton, and 46th Avenue, depicting the character and context of how they relate to the Cover and Swansea Elementary School outdoor areas landscaping and aesthetic designs.	Urban Design Narrative; Cover Landscaping Detail Plans					X		☐
	d. Narrative and plans related to the coordination and integration of other disciplines including structures, the Cover MEP System, drainage, roadway, utilities, and lighting.	Urban Design Narrative; Cover Structure and Systems Plans					X		☐
	e. The Developer shall provide visual renderings that show the proposed designs.	Not Required for Proposal							☐
	f. The Developer's Preliminary Landscape and Aesthetics Plans shall include plans, elevations, sections, perspectives, isometric drawings, details, etc., as necessary to fully convey the proposed Cover and Swansea Elementary School outdoor areas landscape and urban designs including color and texture applications; drawings, tables and schedule that show where specific Elements are located; and plant palette schedules, size, number, location of trees, shrub beds, accent beds, and planning types.	Cover Landscaping Detail Plans					X		☐
	g. The Developer's landscape and aesthetics work shall include underground permanent irrigation systems to maintain plant material in accordance with DPR Planning, Design + Construction Standards.	Cover Landscaping Detail Plans					X		☐
	ii. Materials and layout details for each of the program Element requirements identified in Schedule 10B (Contract Drawings) to the Project Agreement	Cover Landscaping Detail Plans					X		☐
	iii. Grading and drainage plans	Cover Landscaping Detail Plans					X		☐
	iv. Preliminary landscape, irrigation and aesthetics plans, which shall be consistent with the requirements therefor specified in Section 14 (Landscaping and Aesthetics) of Schedule 10 (Design and Construction Requirements) to the Project Agreement	Cover Landscaping Detail Plans					X		☐
	v. Section elevations depicting the proposed surface topography and key site Elements	Cover Landscaping Detail Plans					X		☐

	Item	Presented On	Roll Plots	Binder 2 of 13	Binder 3 of 13	Binder 4 of 13	Binder 5 of 13	Binder 6 of 13	CHECK
D. DEWATERING PLAN	Draft dewatering design and/or, if and to the extent water will be treated on-site, a Draft Remedial Management Plan (a "RAMP") that meets CDPHE requirements for the Construction Period and Operating Period	Draft Remediation Activities Management Plan						X	☐
E. GOVERNMENT APPROVALS	Identification of alignments or other elements proposed by Proposer's schematic to the extent they will require an evaluation for compliance with existing Governmental Approvals and possibly re-evaluations and delays associated with such re-evaluations.	Design Approvals						X	☐





Legend

Proposed Curb & Gutter	Existing Curb & Gutter
Proposed Right of Way Line	Existing Right of Way
Proposed Type 7 Guardrail	Existing Guardrail
Proposed Type 3 Guardrail	Existing Concrete Barrier
Proposed Retaining Wall With Barrier	Existing Fence Chainlink
Proposed Retaining Walls	Existing Fence Wood
Proposed Permanent Easement	Proposed Drainage Pipes
Proposed Temporary Construction Easement	Proposed Concrete Box Culverts
Proposed Noise Barriers	Proposed Drainage Ditches
Limits of Disturbance	Proposed Sanitary Sewer
Directional Arrows and Number of Lanes	Proposed Water
Gas Lines	Fiber Optic Lines
Electric Lines	SHADING USED FOR NEW PORTIONS OF THE ROADWAY ARE SHOWN FOR ILLUSTRATIVE PUPOSES ONLY AND ARE NOT INDICATIVE OF A SELECTION OF FINAL PAVEMENT SURFACING
Overlay Limits	

NOTES:

1. FOR ROADWAY PLANS SEE BINDER 2
2. FOR BRIDGE PLANS SEE BINDER 4
3. FOR PROFILES SEE BINDER 3
4. HORIZONTAL ALIGNMENT DATA SHOWN ON GEOMETRIC PLANS, SEE BINDER 2

Kiewit meridiam PARTNERS

Central 70

0' 1250' 2500' 5000'

N

CENTRAL 70
DRAINAGE
KEY MAP

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: DRAIN KEY MAP		Subset Sheets:	1 of 1

Project No./Code
FBR 0704-234
19631
Sheet Number 5

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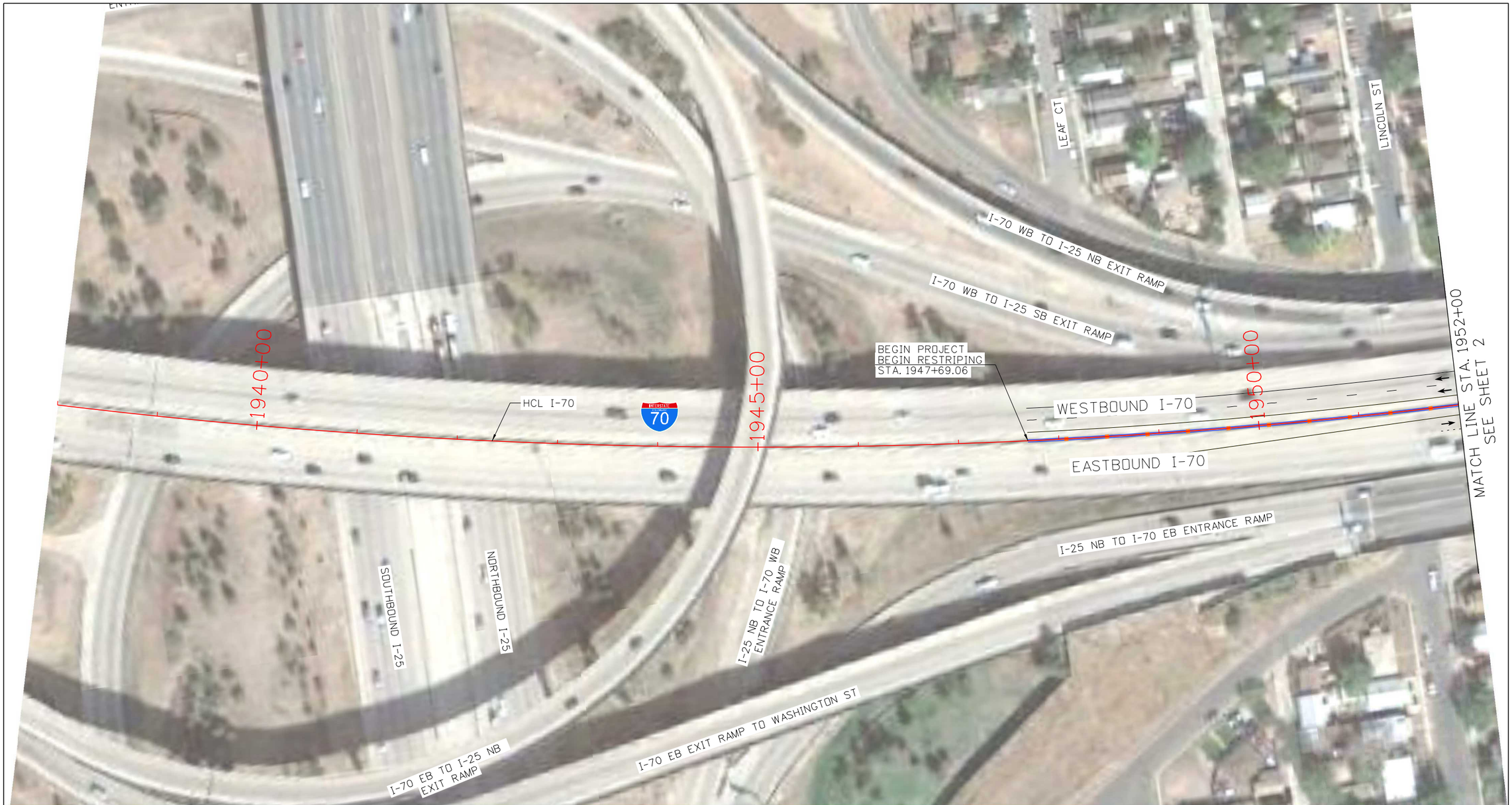


Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 1938+00 TO STA 1952+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	1 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 6

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 1952+00 TO STA 1966+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	2 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 7

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 1966+00 TO STA 1980+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	3 of 60

Project No./Code

FBR 0704-234

19631

Sheet Number 8

$PLOT_INFO$

MATCH LINE STA. 1980+00
SEE SHEET 3

1985+00

HCL I-70

WESTBOUND I-70

NATIONAL WESTERN CENTER

1990+00

CONNECT TO EXISTING

2000+00

MATCH LINE STA. 1994+00
SEE SHEET 5

EASTBOUND I-70

CONNECT TO EXISTING

CONNECT TO EXISTING

DENVER COLISEUM

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 1980+00 TO STA 1994+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	4 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	9

$PLOT_INFO$

MATCH LINE STA. 1994+00
SEE SHEET 4

MATCH LINE STA. 2008+00
SEE SHEET 6

MATCH LINE STA. 510+00
SEE SHEET 41

MATCH LINE STA. 504+00
SEE SHEET 40

E 46TH AVE

CONNECT TO EXISTING

HCL BRIGHTON WB ON

BRIGHTON BLVD WB ENTRANCE RAMP

HCL BRIGHTON

BRIGHTON BLVD WB EXIT RAMP

HCL 46TH AVE WB
(BRIGHTON TO
COLUMBINE)

1995+00

2000+00

2005+00

510+00

WESTBOUND I-70

HCL I-70

EASTBOUND I-70

INTERSTATE
70

BRIGHTON BLVD EB EXIT RAMP

BRIGHTON BLVD EB ENTRANCE RAMP

CONNECT TO EXISTING

END RESTRIPING
BEGIN FULL DEPTH
RECONSTRUCTION
STA 2000+00.00
EL = 5209.20'

HCL BRIGHTON EB OFF

HCL BRIGHTON EB ON

2004+00

504+00

BRIGHTON BLVD

HCL 46TH AVE EB
(BRIGHTON TO
COLUMBINE)

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 1994+00 TO STA 2008+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	5 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	10

$PLOT_INFO$

WILLIAMS ST
HIGH ST
RACE ST
VINE ST
GAYLORD ST
CONNECT TO EXISTING
HCL ACCESS RD 2
HCL 46TH AVE WB
(BRIGHTON TO COLUMBINE)
BRIGHTON BLVD WB EXIT RAMP
HCL BRIGHTON WB OFF
HCL I-70
WESTBOUND I-70
EASTBOUND I-70
HCL BRIGHTON EB ON
BRIGHTON BLVD EB ENTRANCE RAMP
HCL 46TH AVE EB
(BRIGHTON TO COLUMBINE)
HCL UPRR
CONNECT TO EXISTING
UNION PACIFIC RAILROAD
MATCH LINE STA. 2008+00
SEE SHEET 5
MATCH LINE STA. 2022+00
SEE SHEET 7
5000+00
5105+00
5210+00
5305+00
5405+00
5505+00
5605+00
5705+00
5805+00
5905+00
6005+00
6105+00
6205+00
6305+00
6405+00
6505+00
6605+00
6705+00
6805+00
6905+00
7005+00
7010+00
7015+00
5175
5180
5185
70

Kiewit meridiam PARTNERS

Central 70

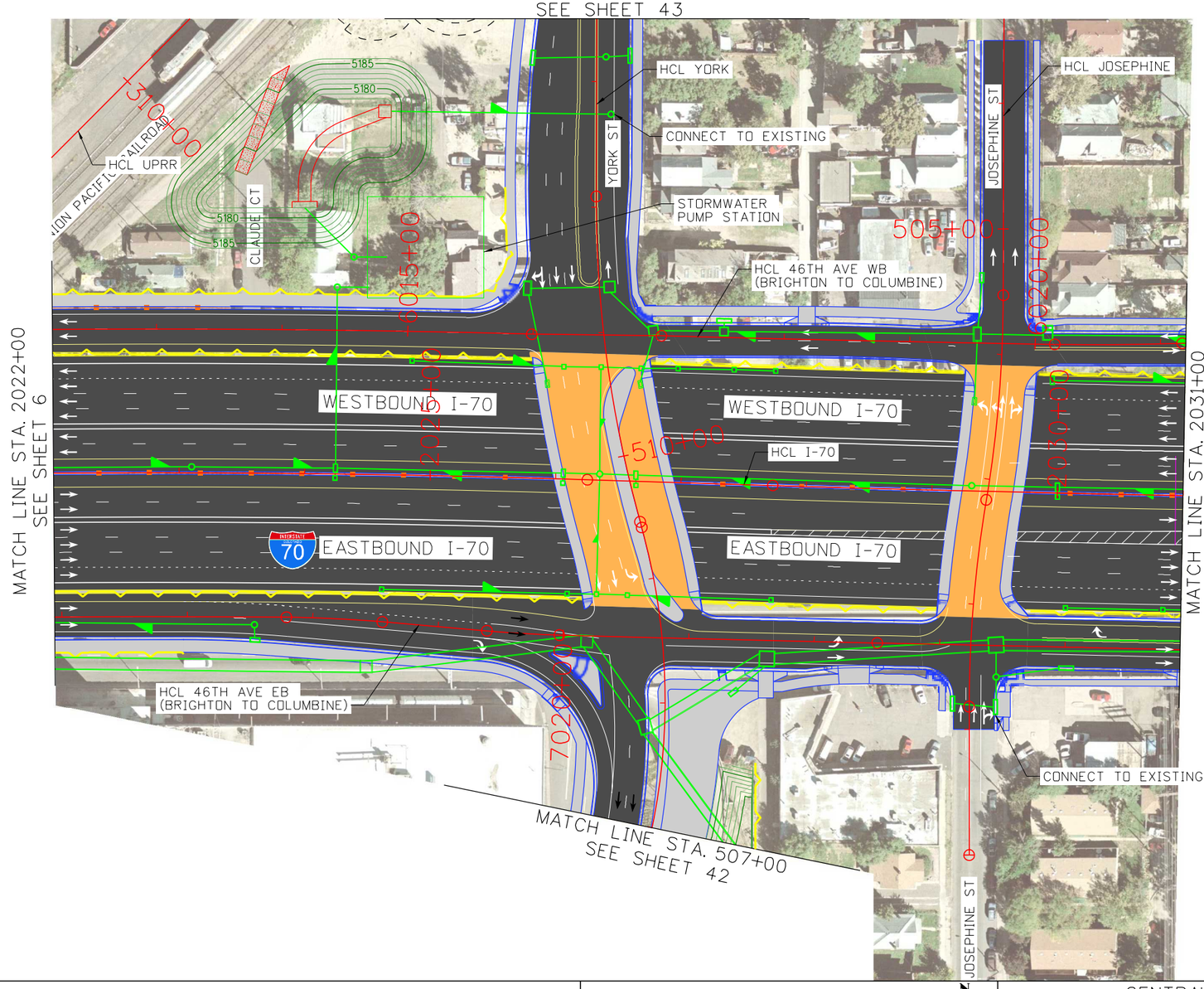
0' 50' 100' 200'

N

CENTRAL 70 DRAINAGE PLAN STA 2008+00 TO STA 2022+00				Project No./Code
				FBR 0704-234
Designer:	KMP	Structure Numbers	-	19631
Detailer:	KMP		-	
Subset:	DRAINAGE	Subset Sheets:	6 of 60	Sheet Number 11

$PLOT_INFO$

MATCH LINE STA. 514+00
SEE SHEET 43



MATCH LINE STA. 2022+00
SEE SHEET 6

MATCH LINE STA. 2031+00
SEE SHEET 8

MATCH LINE STA. 507+00
SEE SHEET 42

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

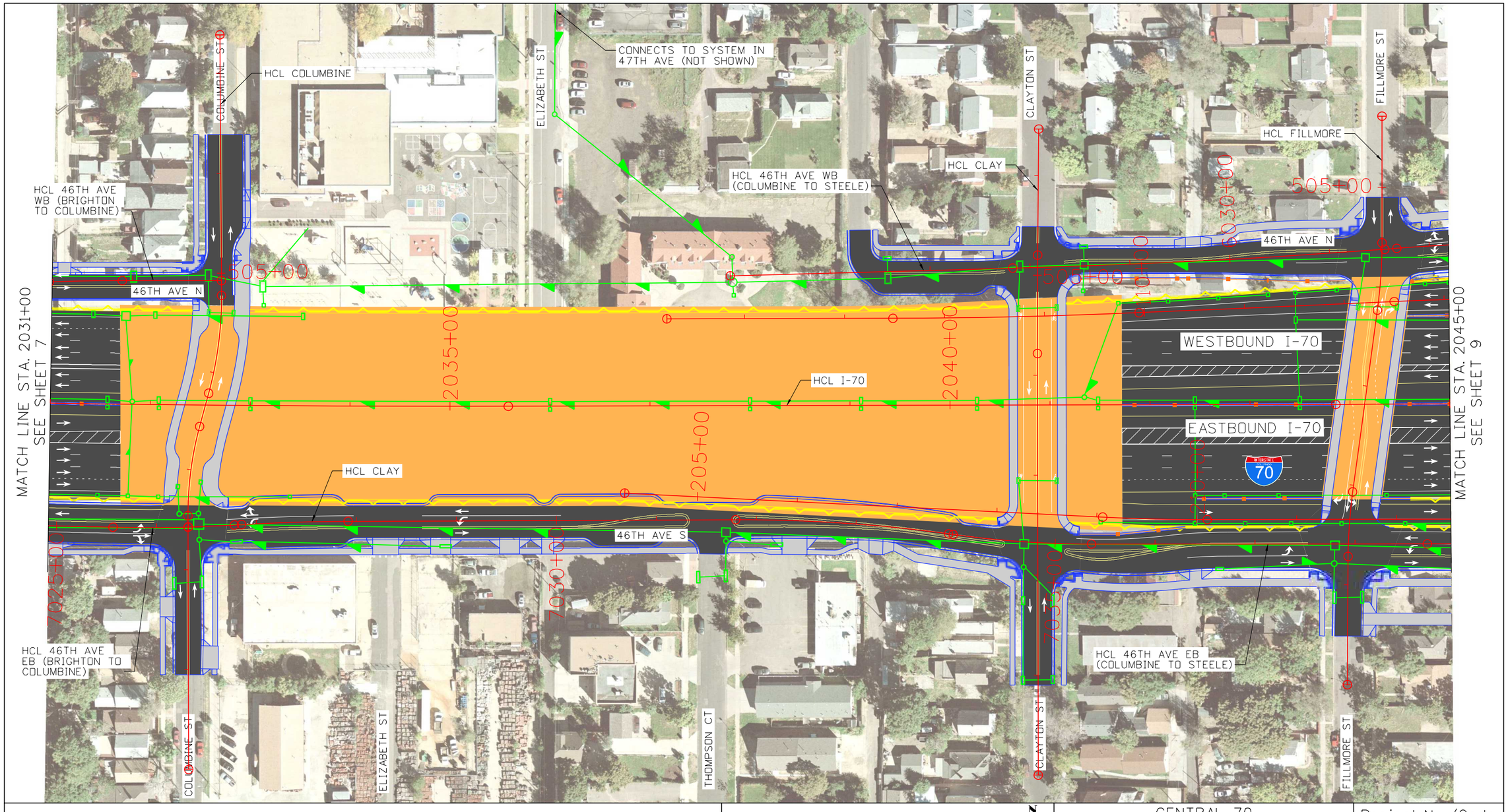
N

CENTRAL 70
DRAINAGE PLAN
STA 2022+00 TO STA 2031+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	7 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	12

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

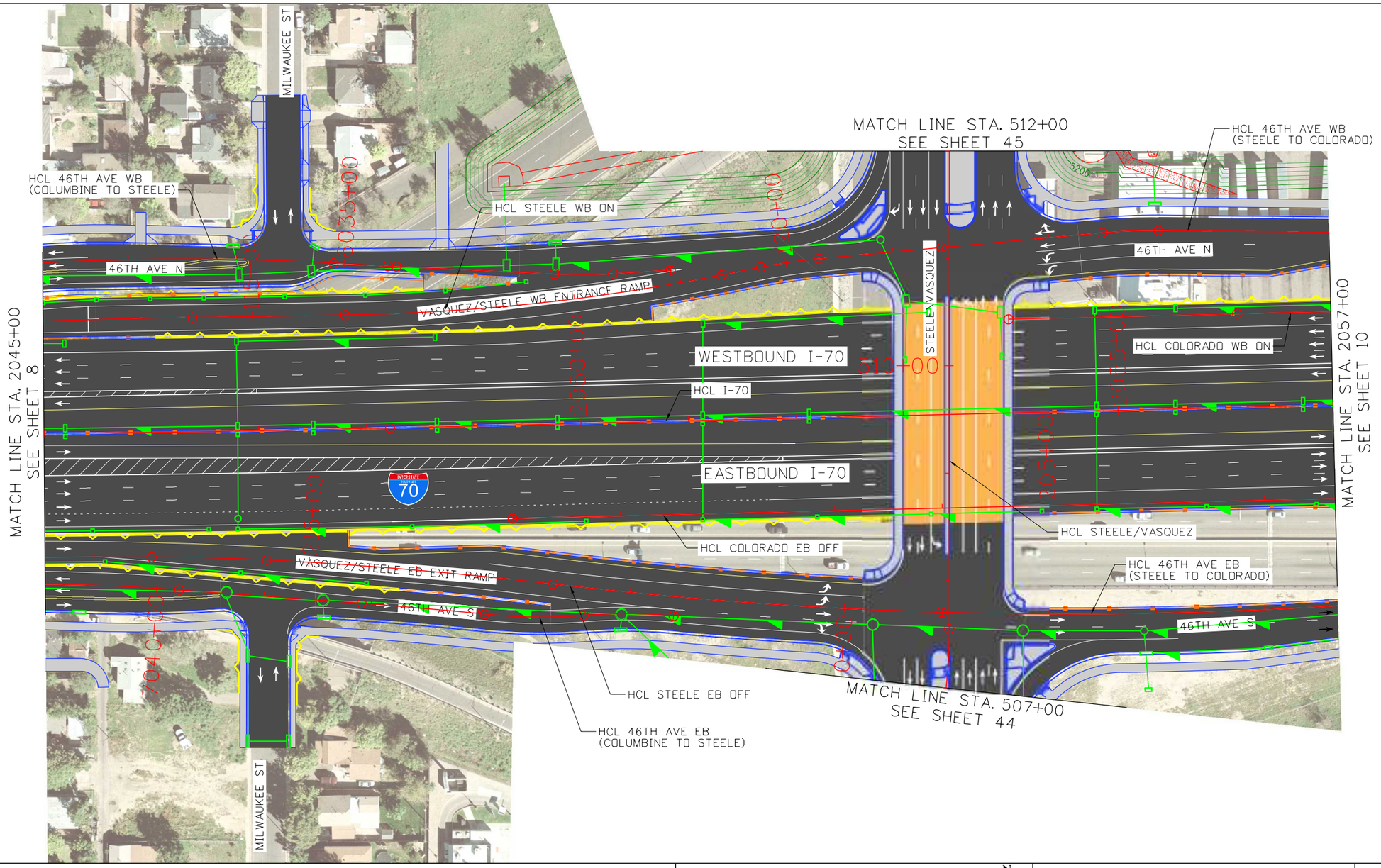
N

CENTRAL 70 DRAINAGE PLAN STA 2031+00 TO STA 2045+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	8 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	13

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2045+00 TO STA 2057+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	9 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 14

$PLOT_INFO$

MATCH LINE STA. 2057+00
SEE SHEET 9

HCL 46TH AVE WB
(STEELE TO COLORADO)

MATCH LINE STA. 508+20
SEE SHEET 47

MATCH LINE STA. 2071+00
SEE SHEET 11

46TH AVE N

HCL COLORADO WB ON

WESTBOUND I-70

HCL I-70

BNSF RAILROAD

HCL MONROE

EASTBOUND I-70

HCL COLORADO EB OFF

HCL BNSF

HCL COOK

46TH AVE S

MATCH LINE STA. 504+00
SEE SHEET 46

HCL 46TH AVE EB
(STEELE TO COLORADO)

COOK ST

MADISON ST

ADAMS ST

Kiewit meridiam PARTNERS

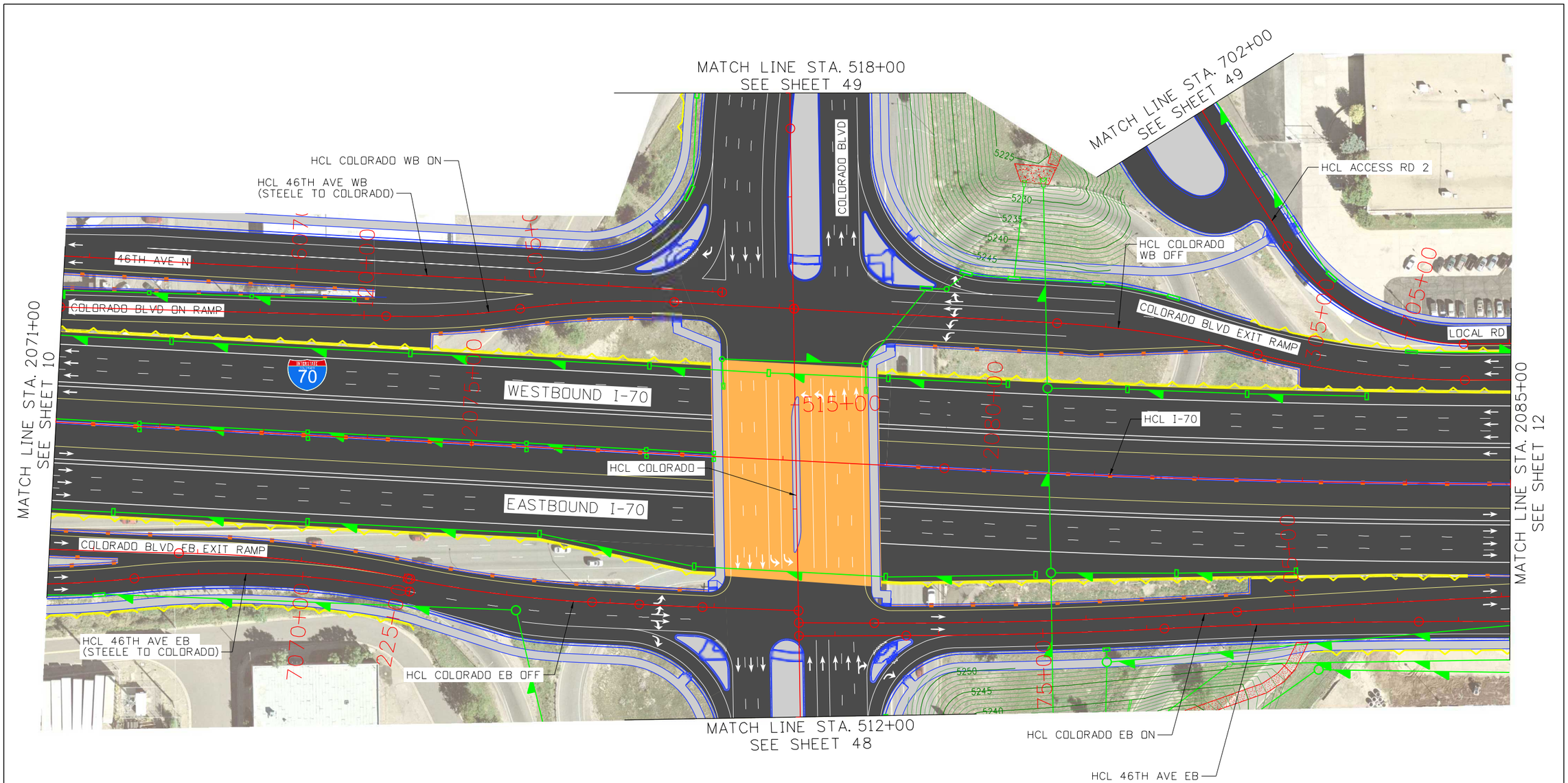
Central 70

0' 50' 100' 200'

N

CENTRAL 70 DRAINAGE PLAN STA 2057+00 TO STA 2071+00			
Designer: KMP	Structure Numbers	-	Project No./Code: FBR 0704-234
Detailer: KMP		-	19631
Subset: DRAINAGE	Subset Sheets: 10 of 60		Sheet Number 15

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70 DRAINAGE PLAN STA 2071+00 TO STA 2085+00				Project No./Code
				FBR 0704-234
Designer:	KMP	Structure Numbers	-	19631
Detailer:	KMP		-	
Subset:	DRAINAGE	Subset Sheets:	11 of 60	Sheet Number 16

$PLOT_INFO$

MATCH LINE STA. 2085+00
SEE SHEET 11

MATCH LINE STA. 2099+00
SEE SHEET 13

HCL COLORADO WB OFF

HCL ACCESS RD 2

HCL 46TH AVE WB

HCL STAPLETON DR N

LOCAL RD

STAPLETON DR N

COLORADO BLVD EXIT RAMP

WESTBOUND I-70

HCL I-70

EASTBOUND I-70

COLORADO BLVD EB ENTRANCE RAMP

STAPLETON DR S

HCL COLORADO EB ON

HCL 46TH AVE EB

HCL STAPLETON DR S

CONNECT TO EXISTING

CONNECT TO EXISTING

7080+00

7085+00

7090+00

7095+00

7100+00

7105+00

7110+00

7115+00

7120+00

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2085+00 TO STA 2099+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	12 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 17

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

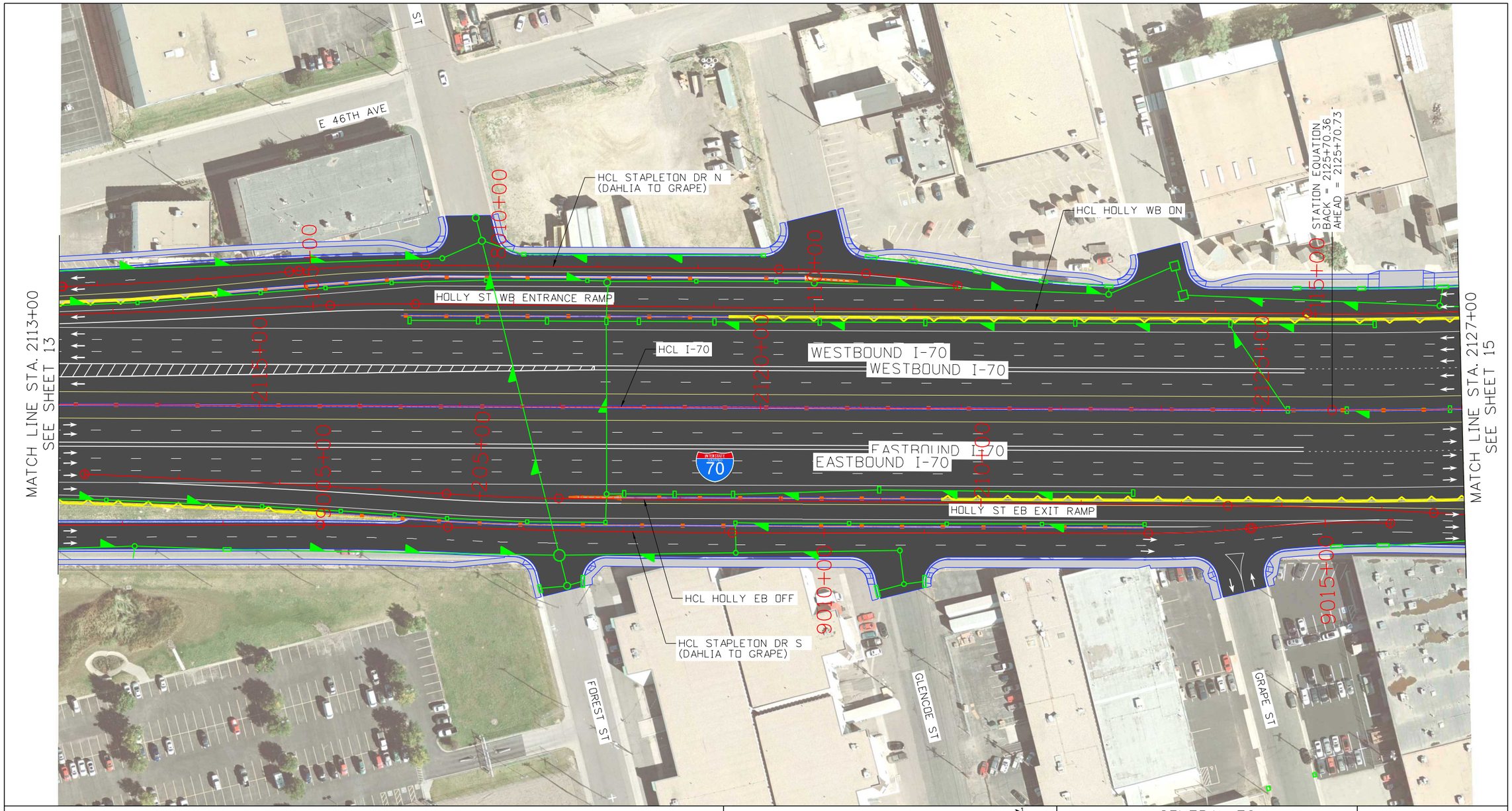
N

CENTRAL 70
DRAINAGE PLAN
STA 2099+00 TO STA 2113+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	13 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	18

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN
STA 2113+00 TO STA 2127+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	14 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 19

$PLOT_INFO$

MATCH LINE STA. 507+00
SEE SHEET 50

HCL HOLLY WB ON

HCL HOLLY ST

HCL HOLLY WB OFF

IVY ST

STAPLETON DR N

STAPLETON DR N

WESTBOUND I-70

WESTBOUND I-70

HCL I-70

MATCH LINE STA. 2127+00
SEE SHEET 14

505+00

515+00

530+00

540+00

MATCH LINE STA. 2141+00
SEE SHEET 16

EASTBOUND I-70

EASTBOUND I-70

70

HOLLY ST EB ENTRANCE RAMP

STAPLETON DR S

STAPLETON DR S

HCL HOLLY EB OFF

HCL HOLLY EB ON

HCL STAPLETON DR S
(HOLLY TO MONACO)

MATCH LINE STA. 503+00
SEE SHEET 50

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2127+00 TO STA 2141+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	15 of 60

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FBR 0704-234	
19631	
Sheet Number	20

$PLOT_INFO$

MATCH LINE STA. 2141+00
SEE SHEET 15

2145+00
2150+00
2155+00
2160+00

LEYDEN ST

HCL STAPLETON DR N
(HOLLY TO MONACO)

HCL HOLLY WB ON

STAPLETON DR N

HOLLY ST WB EXIT RAMP

INTERSTATE 70

WESTBOUND I-70

HCL I-70

EASTBOUND I-70

HOLLY ST EB ENTRANCE RAMP

STAPLETON DR S

HCL HOLLY EB ON

HCL STAPLETON DR S
(HOLLY TO MONACO)

KEARNEY ST

MATCH LINE STA. 2155+00
SEE SHEET 17

0' 50' 100' 200'

N

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 DRAINAGE PLAN STA 2141+00 TO STA 2155+00			
Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	16 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	21

$PLOT_INFO$

CONNECT TO EXISTING

MONACO ST

HCL MONACO

HCL STAPLETON DR N
(HOLLY TO MONACO)

HCL STAPLETON DR N
(MONACO TO QUEBEC)

HCL QUEBEC WB ON

QUEBEC ST WB ENTRANCE RAMP

WESTBOUND I-70

HCL I-70

EASTBOUND I-70

MONACO ST EB ENTRANCE RAMP

HCL MONACO EB ON

HCL STAPLETON DR N
(MONACO TO QUEBEC)

CONNECT TO EXISTING

+80+00

+65+00

+30+00

+70+00

+90+00

+00+00

+60+00

+40+00

+75+00

+25+00

+05+00

+10+00

+20+00

+00+00

+95+00

+70+00

MATCH LINE STA 2155+00
SEE SHEET 16

BOUND I-70

BOUND I-70

MATCH LINE STA. 2169+00
SEE SHEET 18

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2155+00 TO STA 2169+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	17 of 60

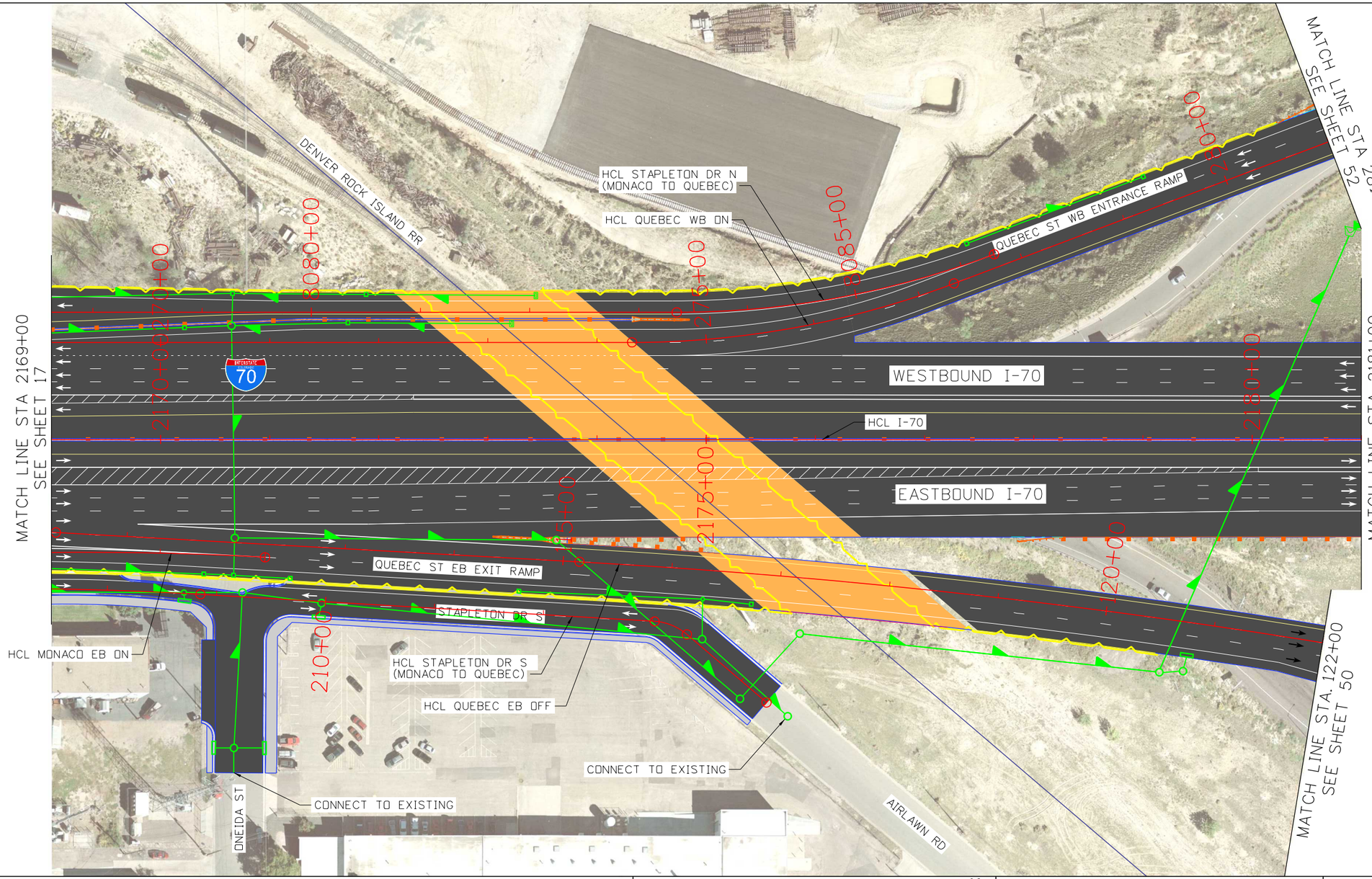
Project No./Code

FBR 0704-234

19631

Sheet Number 22

$PLOT_INFO$



Kiewit meridiam PARTNERS

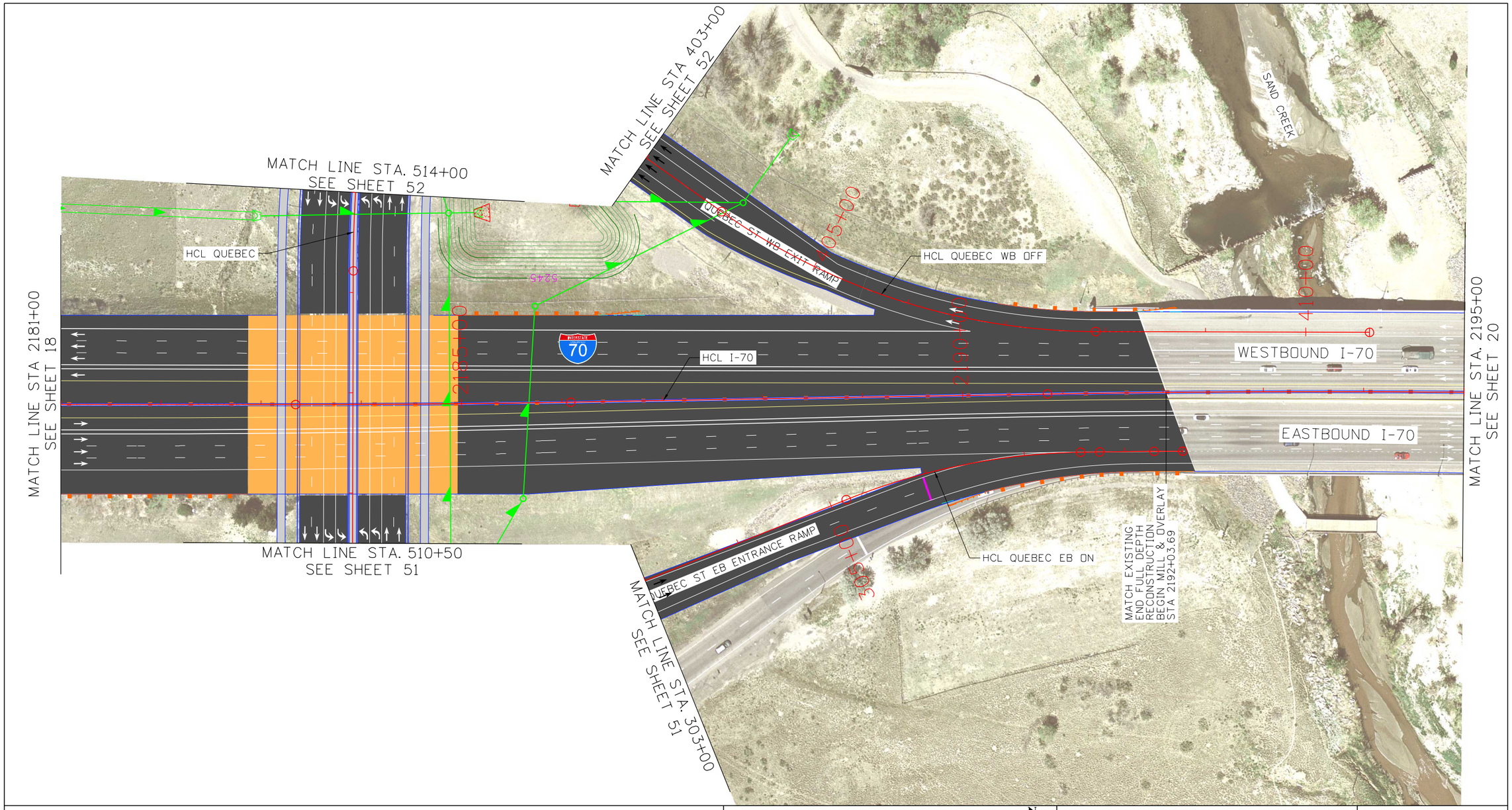
Central 70

CENTRAL 70
DRAINAGE PLAN
STA 2169+00 TO STA 2181+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	18 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	23

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

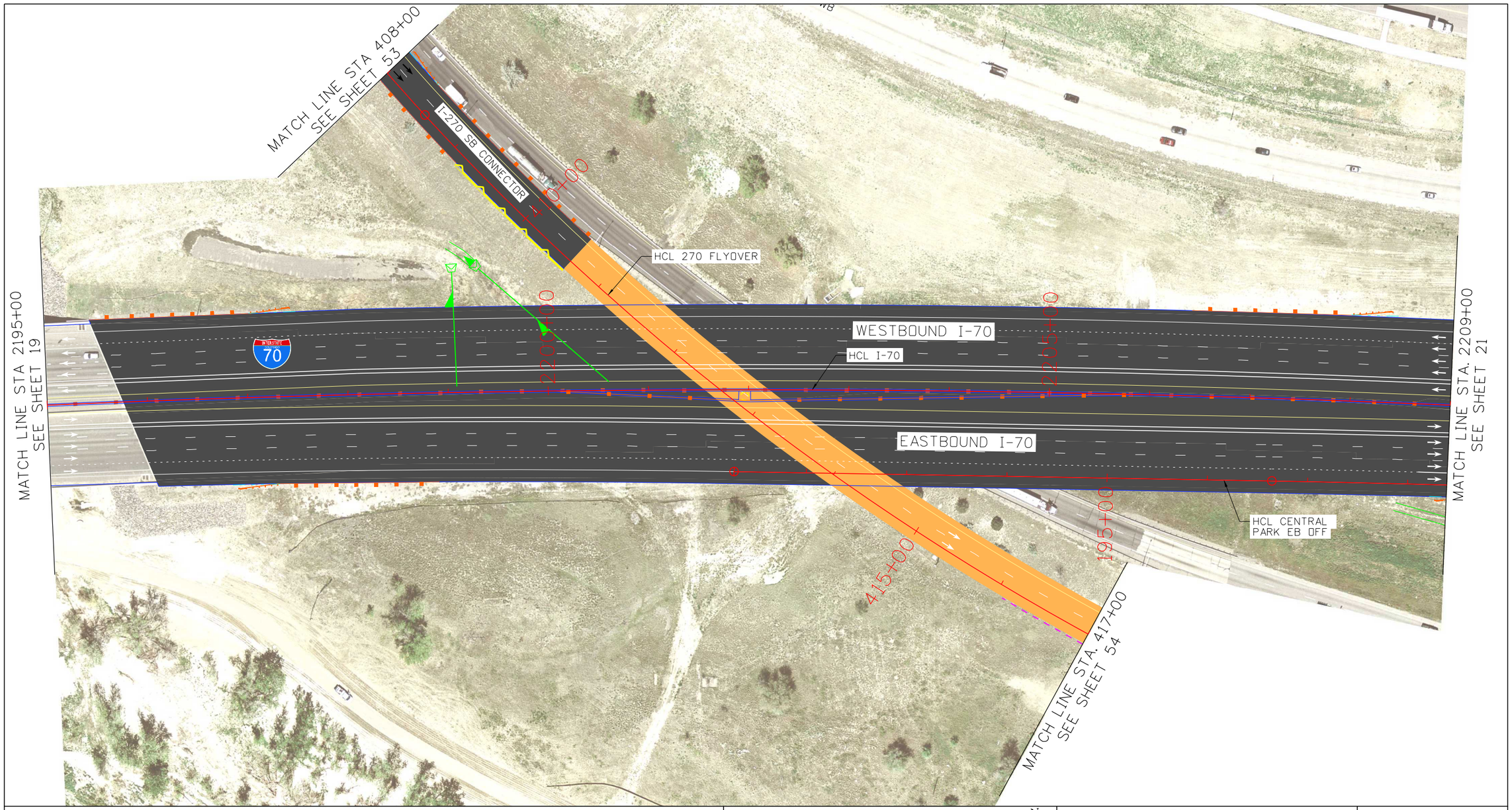
N

CENTRAL 70
DRAINAGE PLAN
STA 2181+00 TO STA 2195+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	19 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	24

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

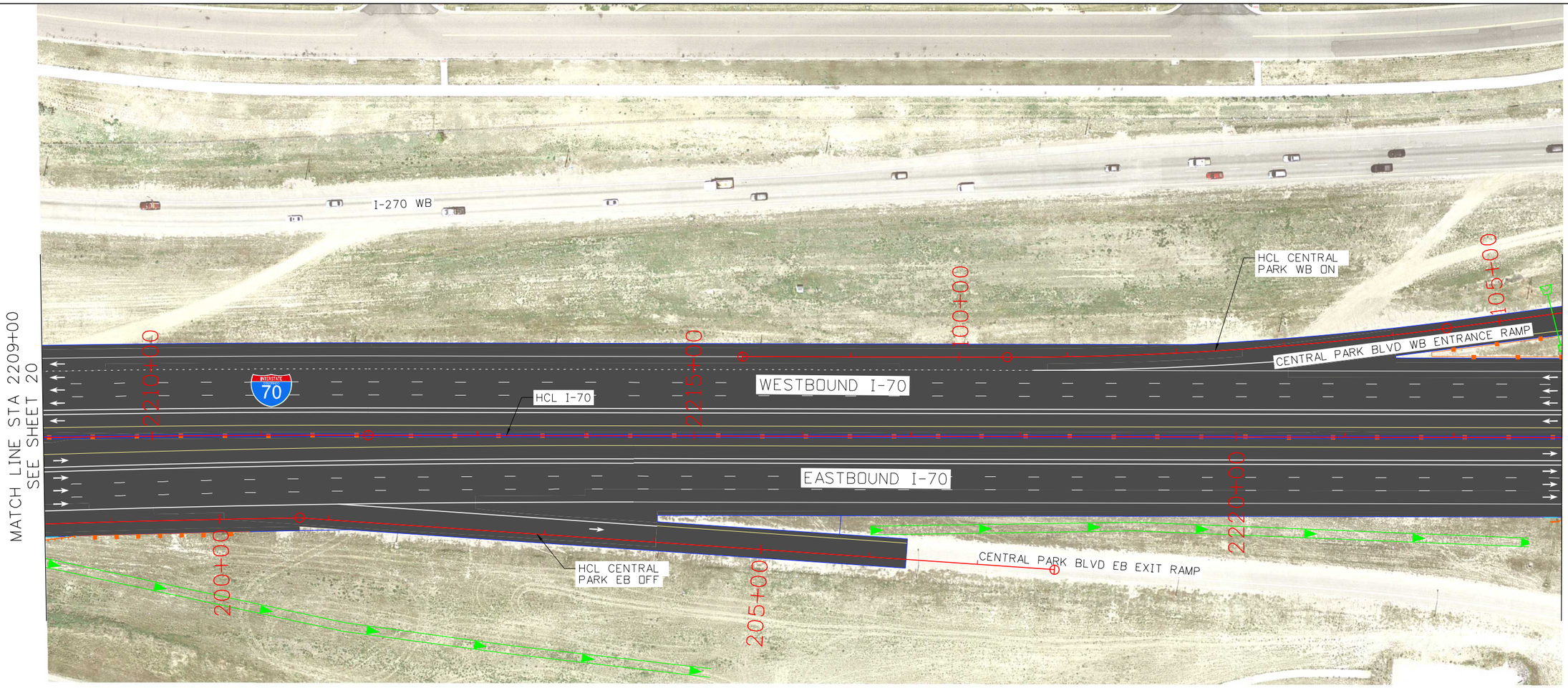
N

CENTRAL 70
DRAINAGE PLAN
STA 2195+00 TO STA 2209+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	20 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 25

$PLOT_INFO$



Kiewit meridiam PARTNERS

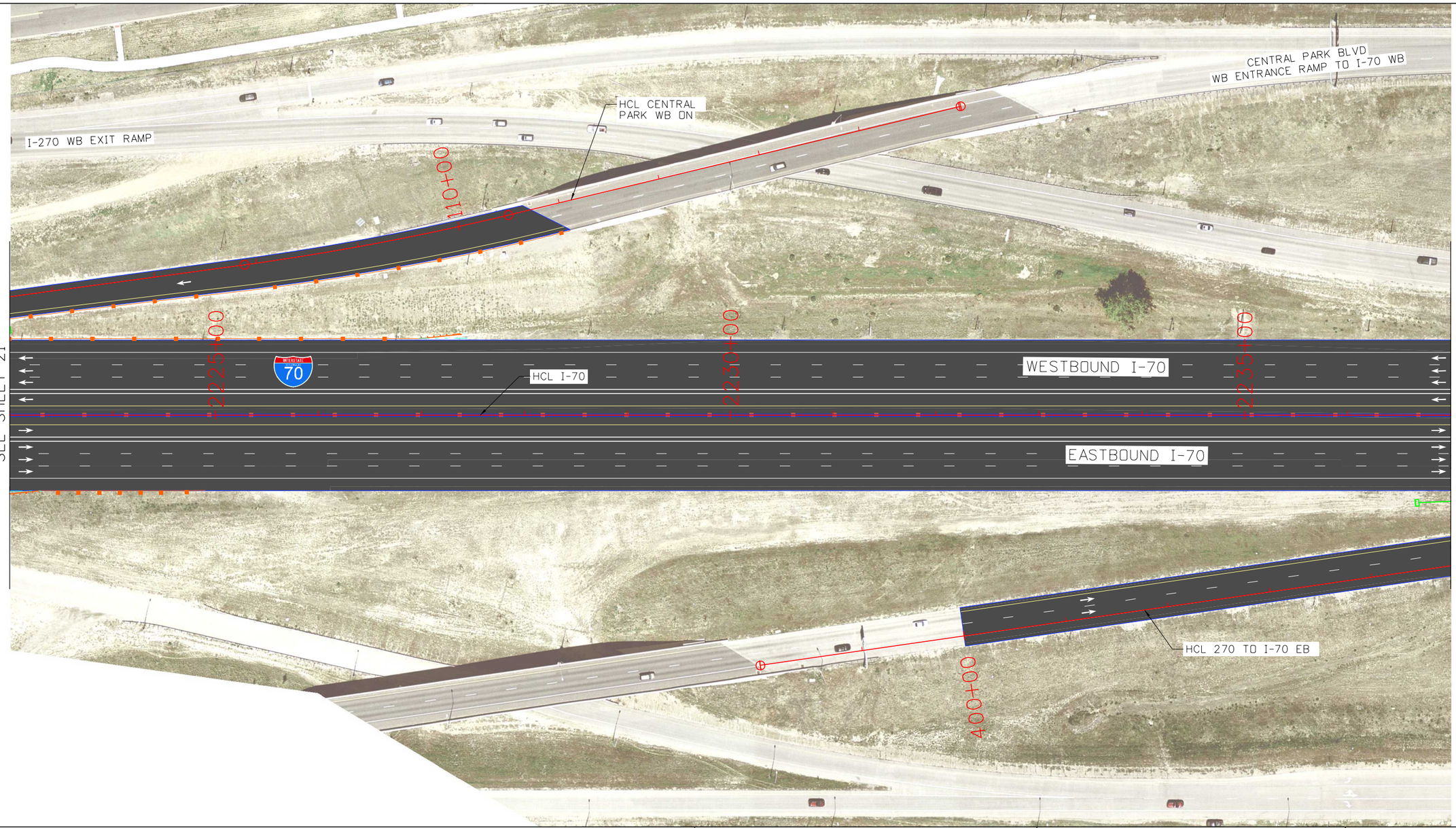
Central 70

0' 50' 100' 200'

N

CENTRAL 70 DRAINAGE PLAN STA 2209+00 TO STA 2223+00				Project No./Code
				FBR 0704-234
Designer:	KMP	Structure Numbers	-	19631
Detailer:	KMP		-	
Subset:	DRAINAGE	Subset Sheets:	21 of 60	Sheet Number 26

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

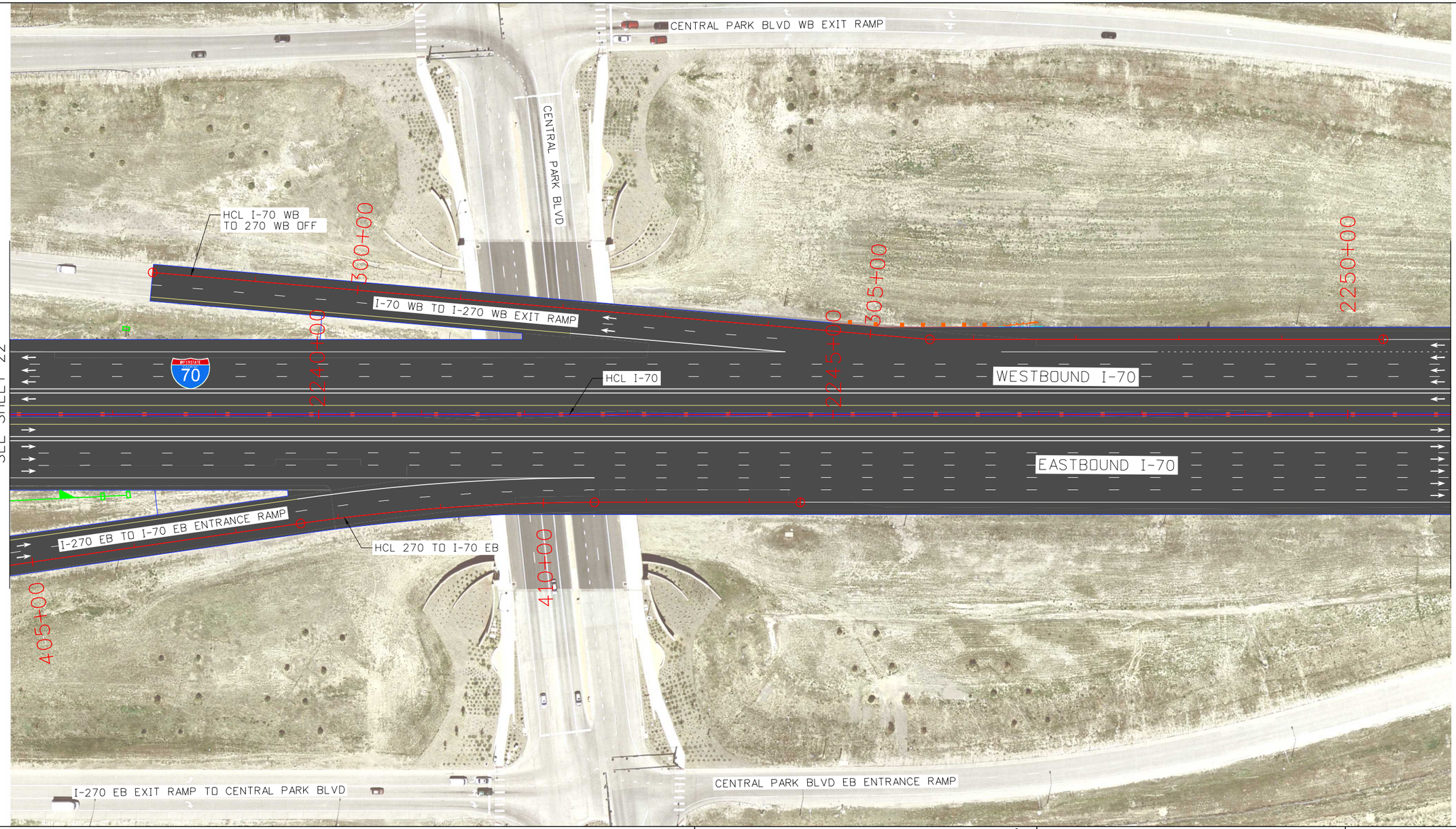
N

CENTRAL 70
DRAINAGE PLAN
STA 2223+00 TO STA 2237+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	22 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 27

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2237+00 TO STA 2251+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	23 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 28

$PLOT_INFO$

MATCH LINE STA 2251+00
SEE SHEET 23

MATCH LINE STA. 2265+00
SEE SHEET 25

2250+00

2255+00

2300+00

2400+00

2405+00

2410+00

2505+00

2510+00

HCL I-70

HCL CENTRAL
PARK WB OFF

TIE TO
EXISTING DITCH

CENTRAL PARK BLVD WB EXIT RAMP

WESTBOUND I-70

EASTBOUND I-70

CENTRAL PARK BLVD EB ENTRANCE RAMP

TIE TO
EXISTING DITCH

HCL CENTRAL
PARK EB ON

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2251+00 TO STA 2265+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	24 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 29

$PLOT_INFO$

MATCH LINE STA 2265+00
SEE SHEET 24

HCL CENTRAL PARK BLVD WB EXIT RAMP

INTERSTATE 70

2270+00

WESTBOUND I-70

HCL I-70

EASTBOUND I-70

2276+00

WESTBOUND I-70

EASTBOUND I-70

MATCH LINE STA. 2279+00
SEE SHEET 26

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2265+00 TO STA 2279+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	25 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	30

$PLOT_INFO$

MATCH LINE STA 2279+00
SEE SHEET 25

+280+00

+285+00

+290+00

+20+00

10+00

HCL I-70

HCL HAVANA WB ON

HCL HAVANA EB OFF

HAVANA ST

WESTBOUND I-70

EASTBOUND I-70

MATCH LINE
SEE SHEET 56

MATCH LINE
SEE SHEET 56

MATCH LINE STA. 2293+00
SEE SHEET 27

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2279+00 TO STA 2293+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	26 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 31

$PLOT_INFO$

MATCH LINE STA 2293+00
SEE SHEET 26

MATCH LINE STA 2307+00
SEE SHEET 28

MATCH LINE
STA 24+00
SEE SHEET 56

MATCH LINE
STA. 14+00
SEE SHEET 56

HCL HAVANA WB ON

HAVANA ENTRANCE

HAVANA ST WB EXIT RAMP

HCL HAVANA WB OFF

TIE TO EXISTING DITCH

HCL I-70

WESTBOUND I-70

EASTBOUND I-70

HCL HAVANA EB ON

HAVANA ST EB ENTRANCE RAMP

+40+00

+295+00

+300+00

+345+00

+350+00

+305+00

5290
5295
5300
5305
5285

0' 50' 100' 200'

N

Kiewit meridiam PARTNERS

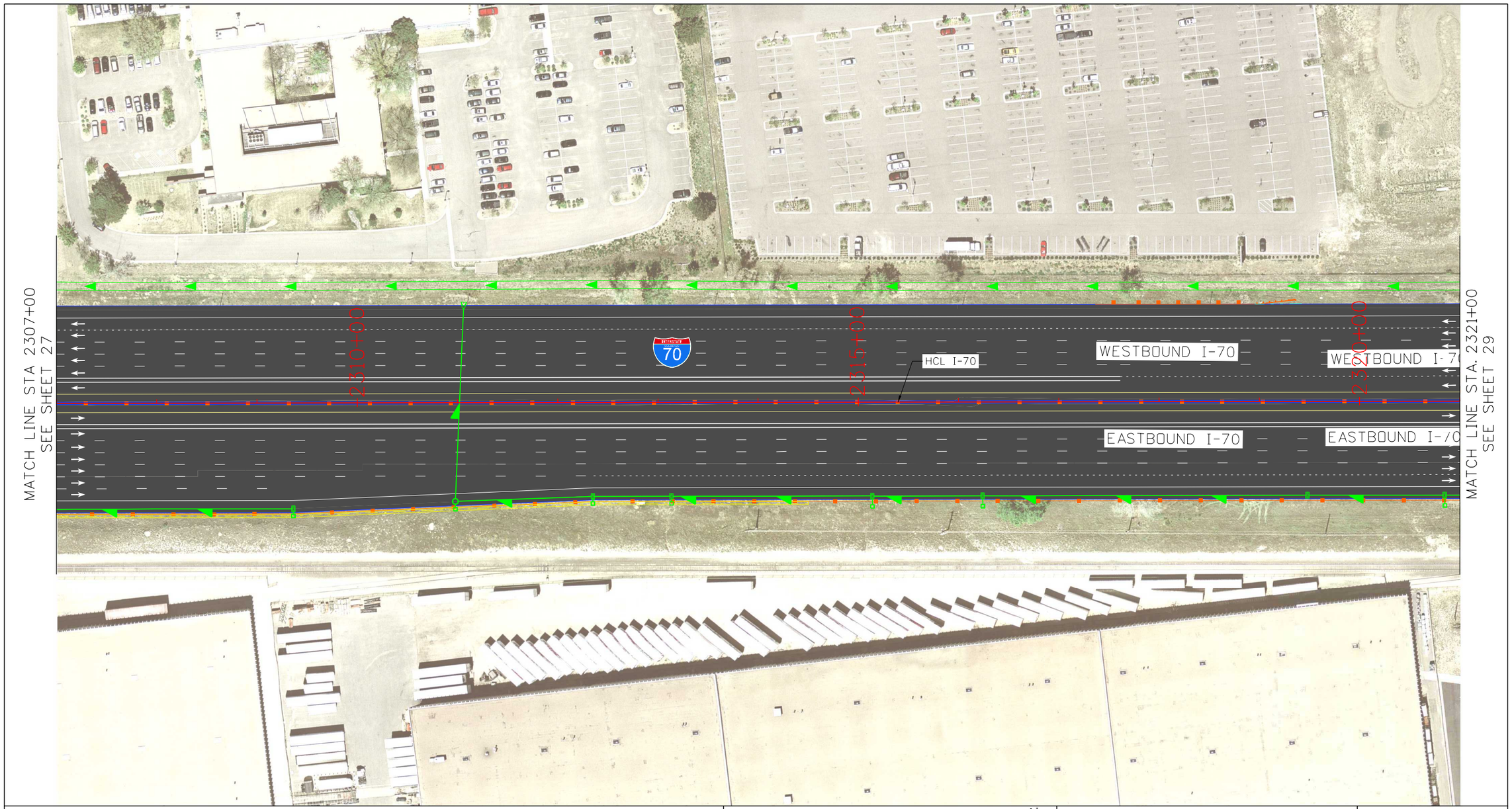
Central 70

CENTRAL 70
DRAINAGE PLAN
STA 2293+00 TO STA 2307+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	27 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 32

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2307+00 TO STA 2321+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	28 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	33

$PLOT_INFO$

MATCH LINE STA 2321+00
SEE SHEET 28

MATCH LINE STA. 2335+00
SEE SHEET 30

HCL PEORIA WB ON

2340+00

PEORIA ST WB ENTRANCE RAMP

2325+00

WESTBOUND I-70

HCL I-70

2330+00

EASTBOUND I-70

PEORIA ST EB EXIT RAMP

HCL PEORIA EB OFF

2305+00

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2321+00 TO STA 2335+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	29 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	34

$PLOT_INFO$

MATCH LINE STA. 2335+00
SEE SHEET 29

HCL PEORIA WB ON

PEORIA ST WB ENTRANCE RAMP

110+00

END MILL & OVERLAY
BEGIN FULL DEPTH
RECONSTRUCTION
STA 2339+27.00

MATCH LINE STA. 515+00
SEE SHEET 58

PEORIA ST

CHAMBERS RD TO PEORIA ST WB

2340+00

HCL I-70

WESTBOUND I-70

2345+00

EASTBOUND I-70

MATCH LINE STA. 2349+00
SEE SHEET 31

HCL PEORIA EB OFF

PEORIA ST EB EXIT RAMP

210+00

510+00

HCL PEORIA

TIE TO EXISTING DITCH

HCL PEORIA EB ON

MATCH LINE STA. 509+00
SEE SHEET 57

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2335+00 TO STA 2349+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	30 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	35

$PLOT_INFO$

MATCH LINE STA 2349+00
SEE SHEET 30

MATCH EXISTING
END FULL DEPTH
RECONSTRUCTION
BEGIN MILL & OVERLAY
STA 2352+50.37

E 42ND AVE

2350+00

2355+00

2360+00

HCL I-70

WESTBOUND I-70

EASTBOUND I-70

MATCH LINE STA. 2363+00
SEE SHEET 32

PEORIA ST EB ENTRANCE RAMP

HCL PEORIA EB ON

2405+00

2410+00

SALEM ST

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2349+00 TO STA 2363+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	31 of 60

Project No./Code

FBR 0704-234

19631

Sheet Number 36

$PLOT_INFO$

MATCH LINE STA 2363+00
SEE SHEET 31

MATCH LINE STA. 2377+00
SEE SHEET 33

E 42ND AVE

I-225 NB FLYOVER RAMP TO PEORIA ST

I-225 NB TO I-70 WB ENTRANCE RAMP

2365+00

2370+00

2375+00

WESTBOUND I-70

WESTBOUND I-70

INTERSTATE 70

HCL I-70

EASTBOUND I-70

EASTBOUND I-70

E 40TH AVE

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2363+00 TO STA 2377+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	32 of 60

Project No./Code

FBR 0704-234

19631

Sheet Number 37

$PLOT_INFO$

CARSON ST

TIE TO EXISTING

CHAMBERS RD TO PEORIA ST WB

I-225 NB FLYOVER RAMP
TO I-70 WB ENTRANCE RAMP

CHAMBERS RD TO I-70 WB ENTRANCE RAMP

2380+00

2385+00

2390+00

WESTBOUND I-70

HCL I-70

EASTBOUND I-70

I-70 EB TO I-225 SB CONNECTOR

HCL I-70 TO I-225

105+00

110+00

TIE TO EXISTING DITCH

UVALDA ST

MATCH LINE STA 2377+00
SEE SHEET 32

MATCH LINE STA. 2391+00
SEE SHEET 34

MATCH LINE STA. 113+00
SEE SHEET 59

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2377+00 TO STA 2391+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	33 of 60

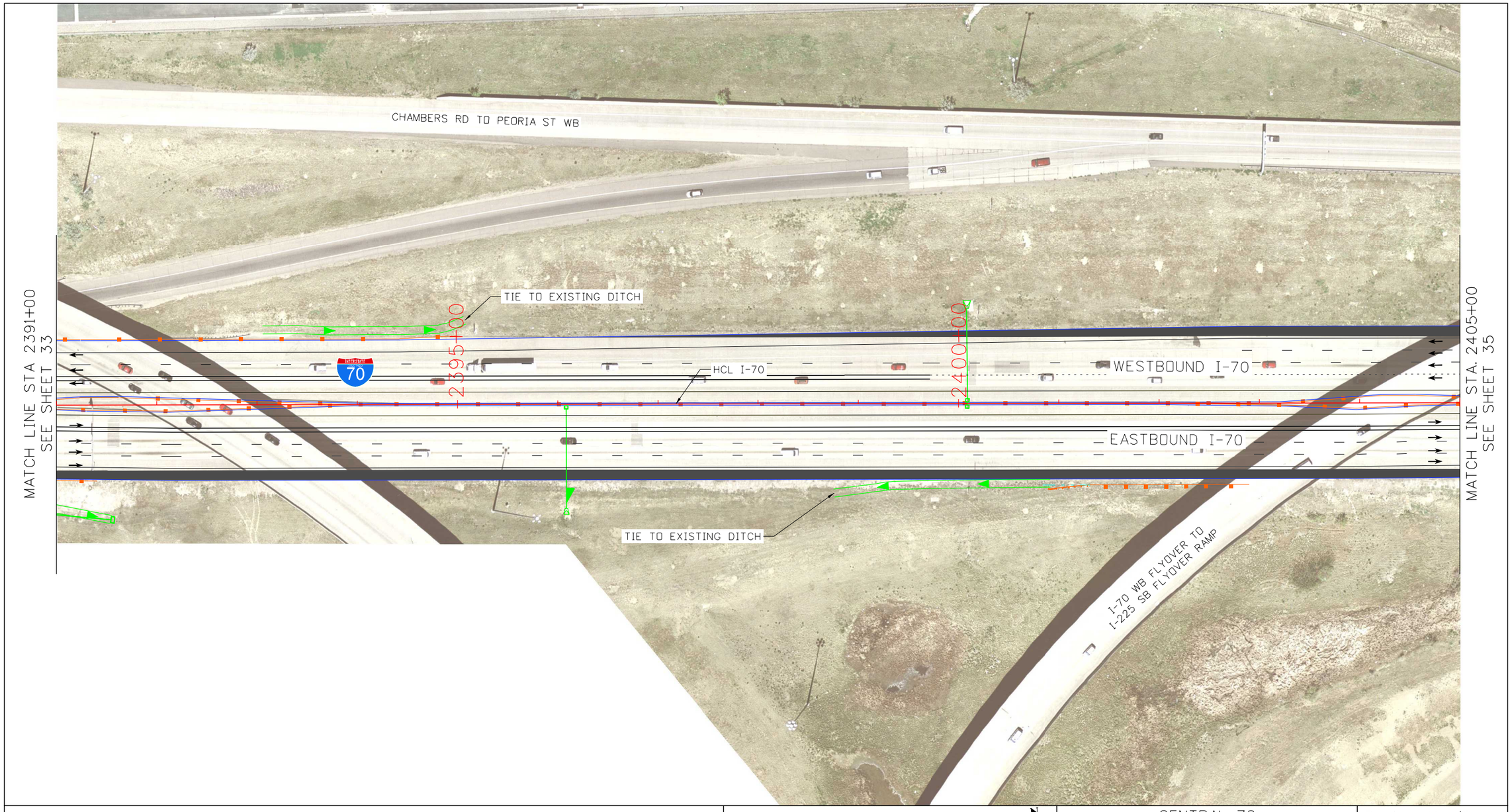
Project No./Code

FBR 0704-234

19631

Sheet Number 38

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2391+00 TO STA 2405+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	34 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 39

$PLOT_INFO$

MATCH LINE STA 2405+00
SEE SHEET 34

DURHAM

CHAMBERS RD TO PEORIA ST WB

I-70 WB EXIT & CHAMBERS RD TO I-225 SB FLYOVER RAMP

TIE TO EXISTING DITCH

2410+00

2415+00

WESTBOUND I-70

HCL I-70

EASTBOUND I-70

I-225 NB RAMP TO I-70 EB ENTRANCE

ABILENE ST

MATCH LINE STA. 2419+00
SEE SHEET 36

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2405+00 TO STA 2419+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	35 of 60

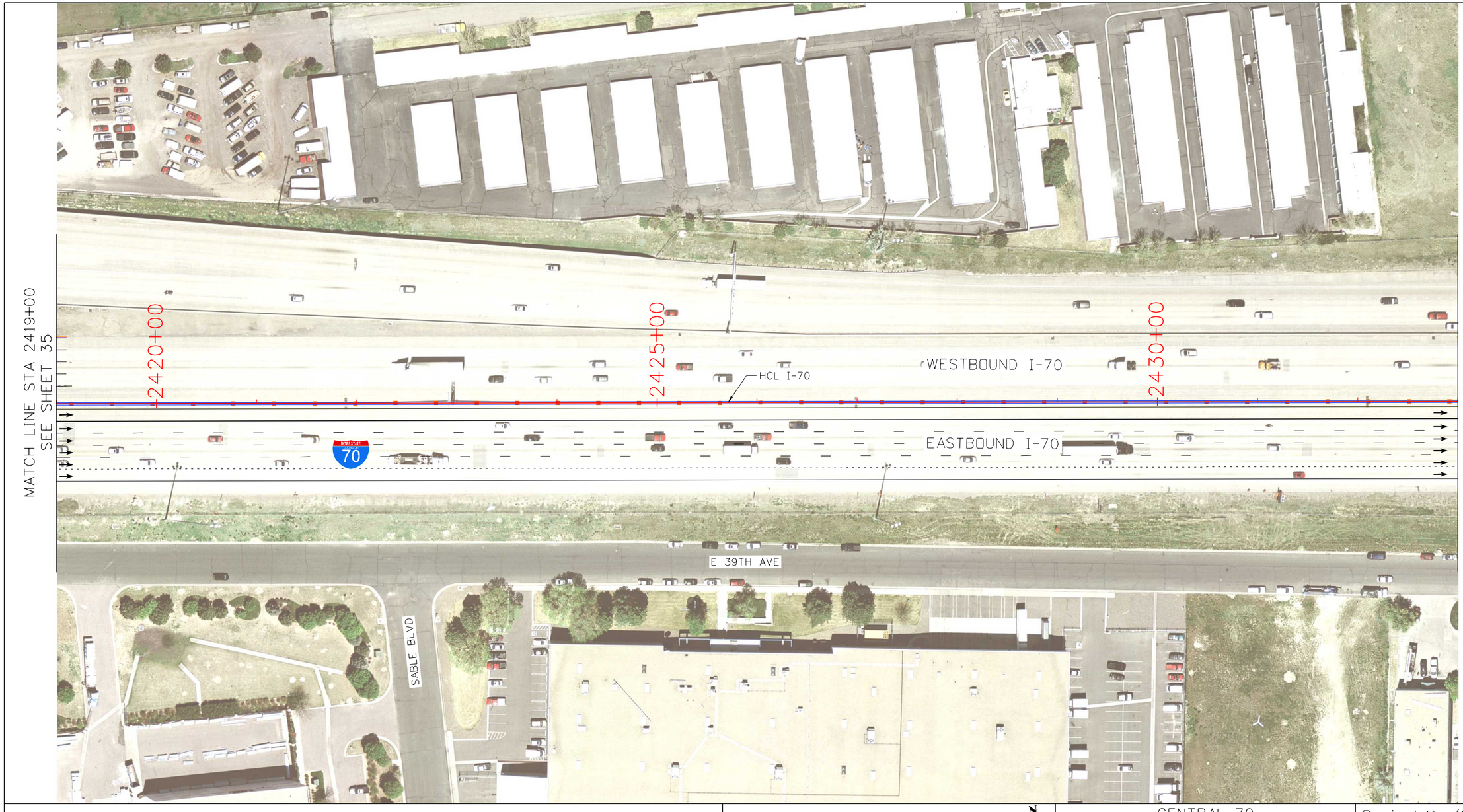
Project No./Code

FBR 0704-234

19631

Sheet Number 40

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
STA 2419+00 TO STA 2433+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	36 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	41

$PLOT_INFO$

MATCH LINE STA 2433+00
SEE SHEET 36

I-70 WB EXIT & CHAMBERS RD
TO I-225 SB FLYOVER RAMP

CHAMBERS RD WB ENTRANCE RAMP

+2435+00

+2440+00

HCL I-70

WESTBOUND I-70

+2445+00

MATCH LINE STA. 2447+00
SEE SHEET 38

INTERSTATE 70

EASTBOUND I-70

CHAMBERS RD EB EXIT RAMP

E 39TH AVE

FRASER ST

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

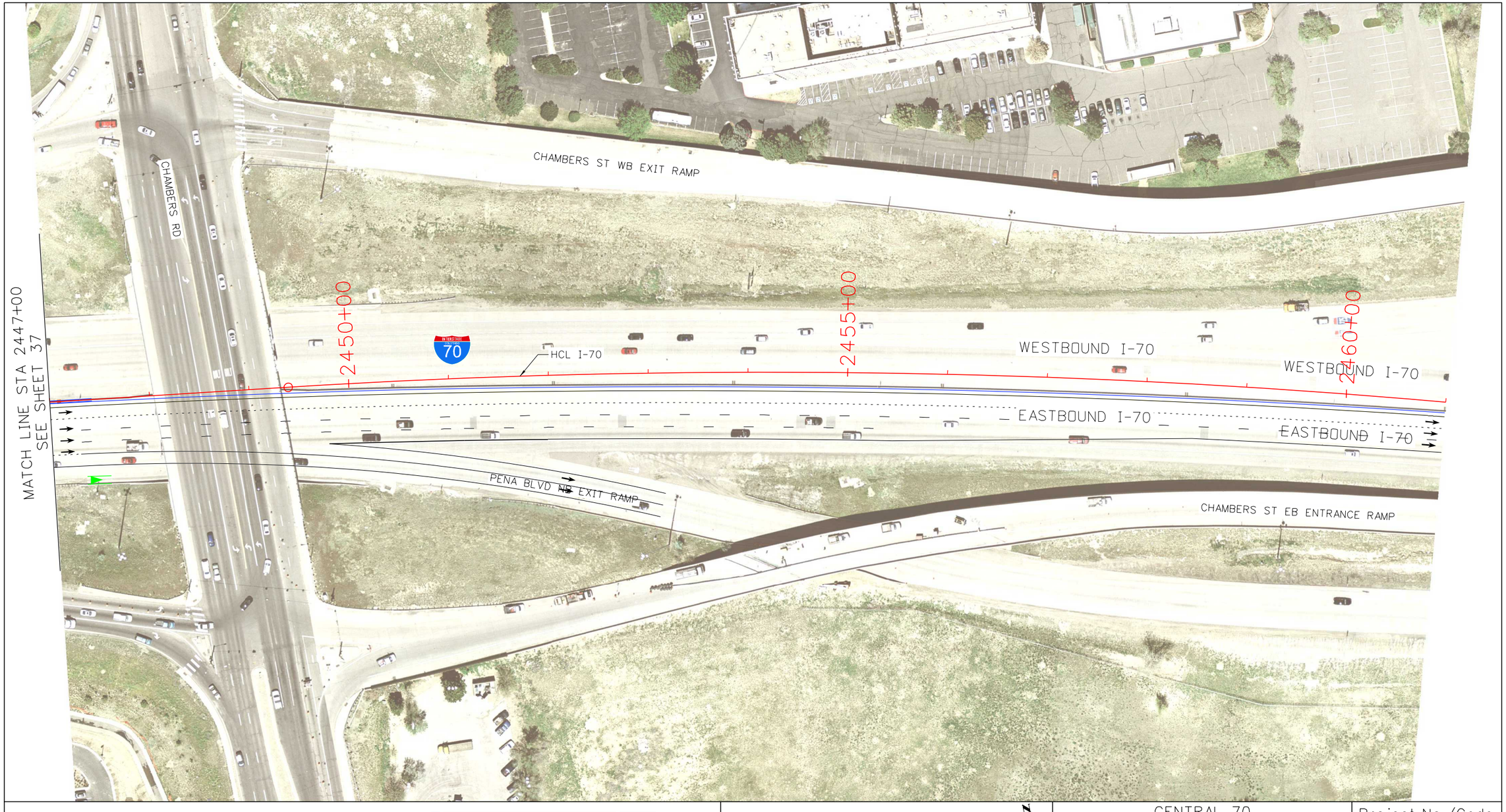
N

CENTRAL 70
DRAINAGE PLAN
STA 2433+00 TO STA 2447+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	37 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 42

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN
STA 2447+00 TO STA 2461+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	38 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	43

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

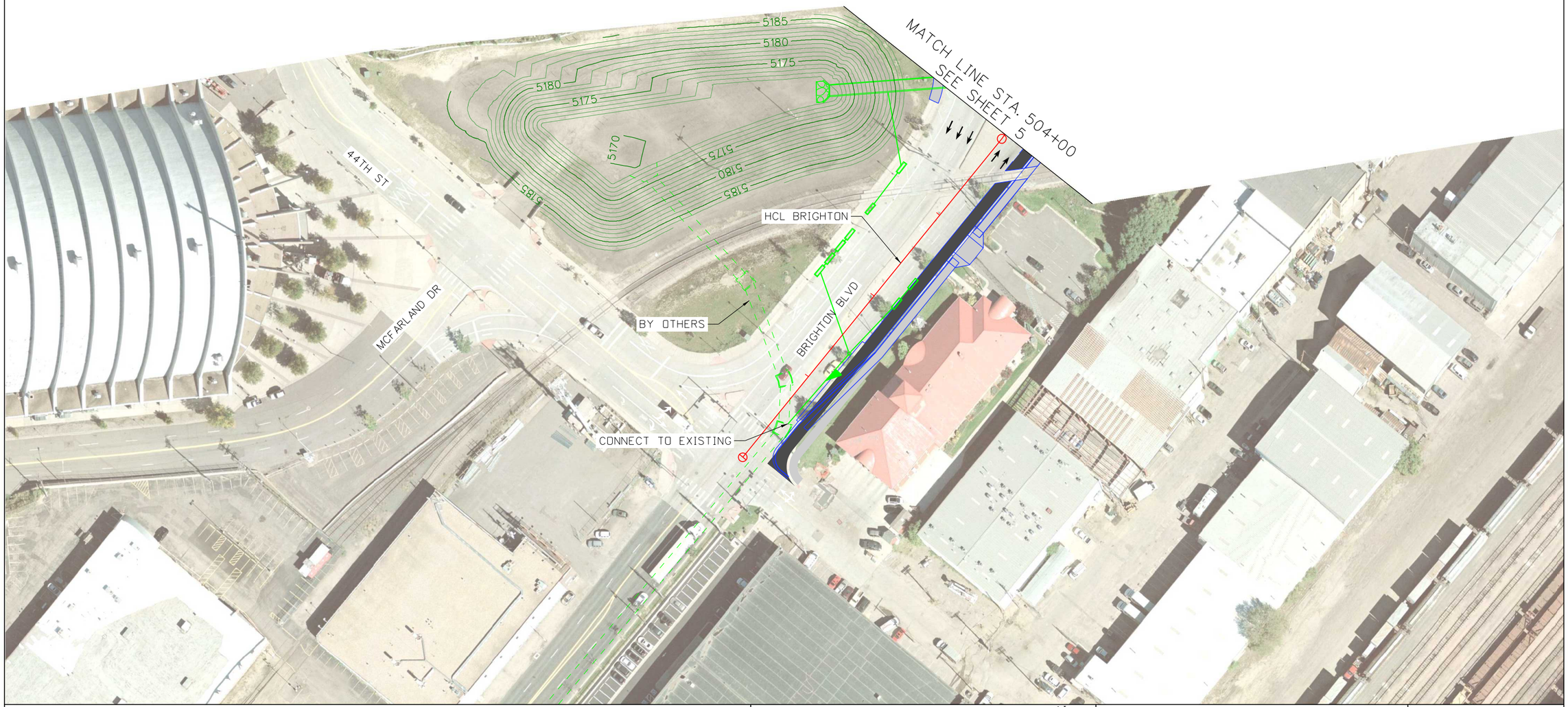
N

CENTRAL 70
DRAINAGE PLAN
STA 2461+00 TO STA 2474+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	39 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 44

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN - BRIGHTON
STA 500+00 TO STA 504+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	40 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	45

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN - BRIGHTON
STA 510+00 TO STA 514+76.46

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	41 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 46

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN - YORK
STA 500+00 TO STA 507+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	42 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	47

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

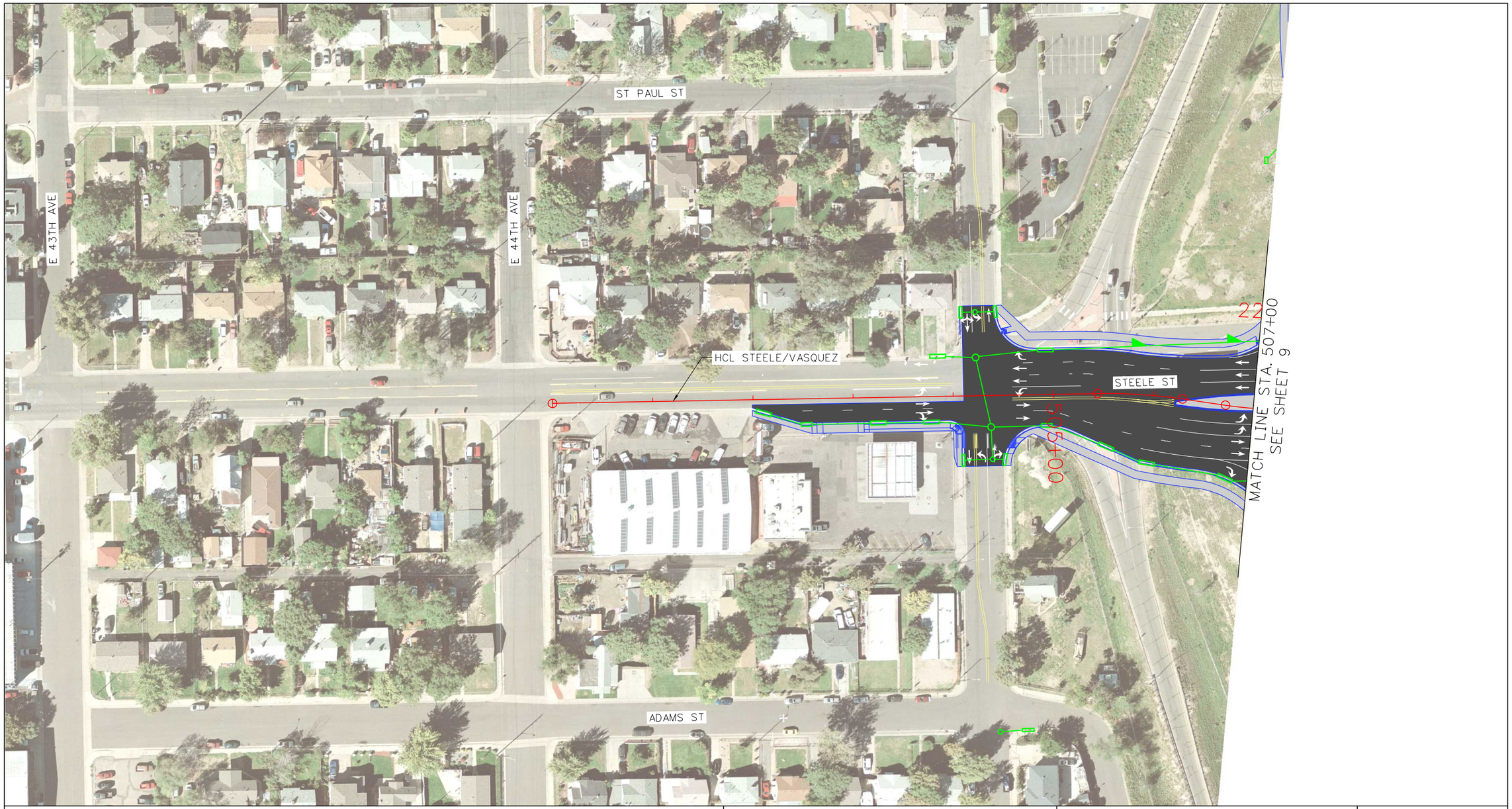
0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN - YORK
STA 514+00 TO STA 514+43.30

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	43 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	48

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN - STEELE
STA 500+00 TO STA 507+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	44 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	49

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN - VASQUEZ
STA 512+00 TO STA 523+64.13

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	45 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	50

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

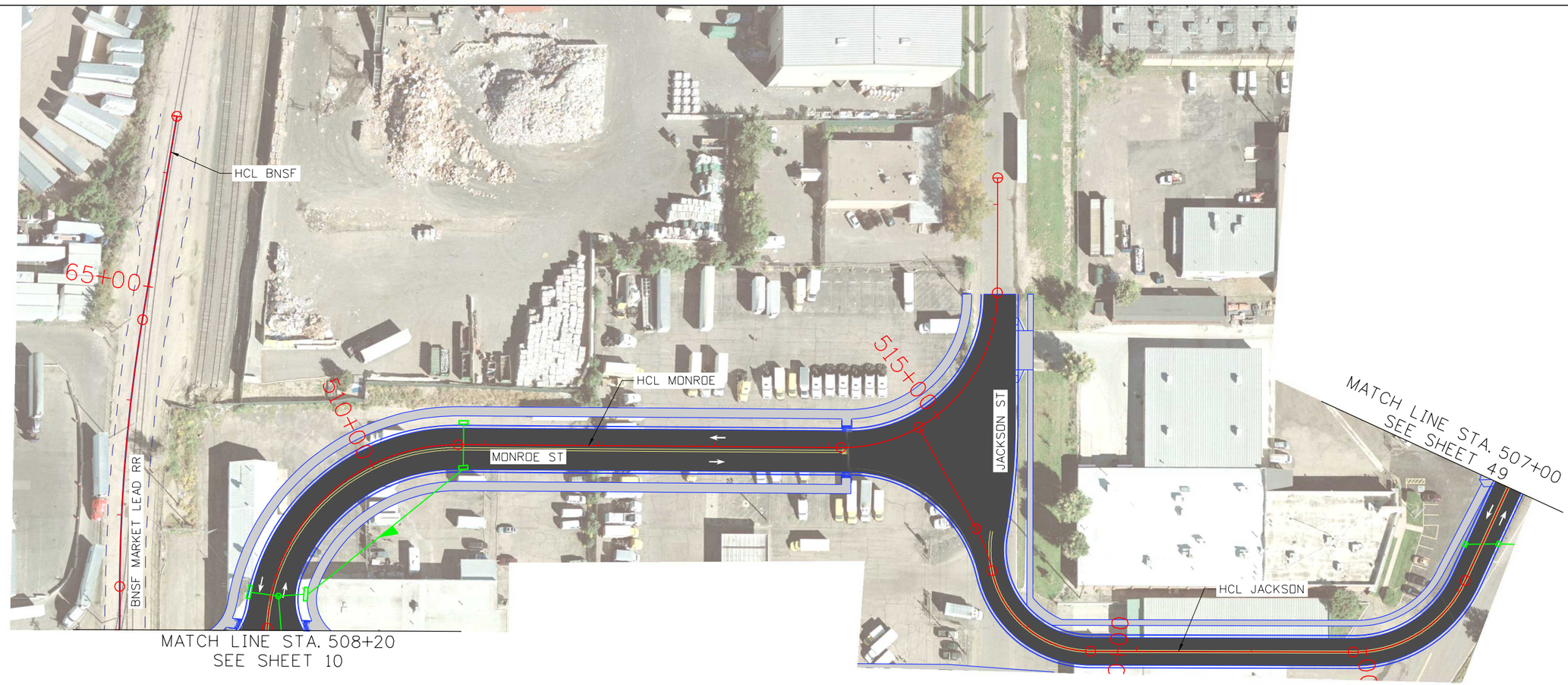
N

CENTRAL 70
DRAINAGE PLAN - MONROE
STA 500+12.57 TO STA 504+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	46 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	51

$PLOT_INFO$



Kiewit meridiam PARTNERS

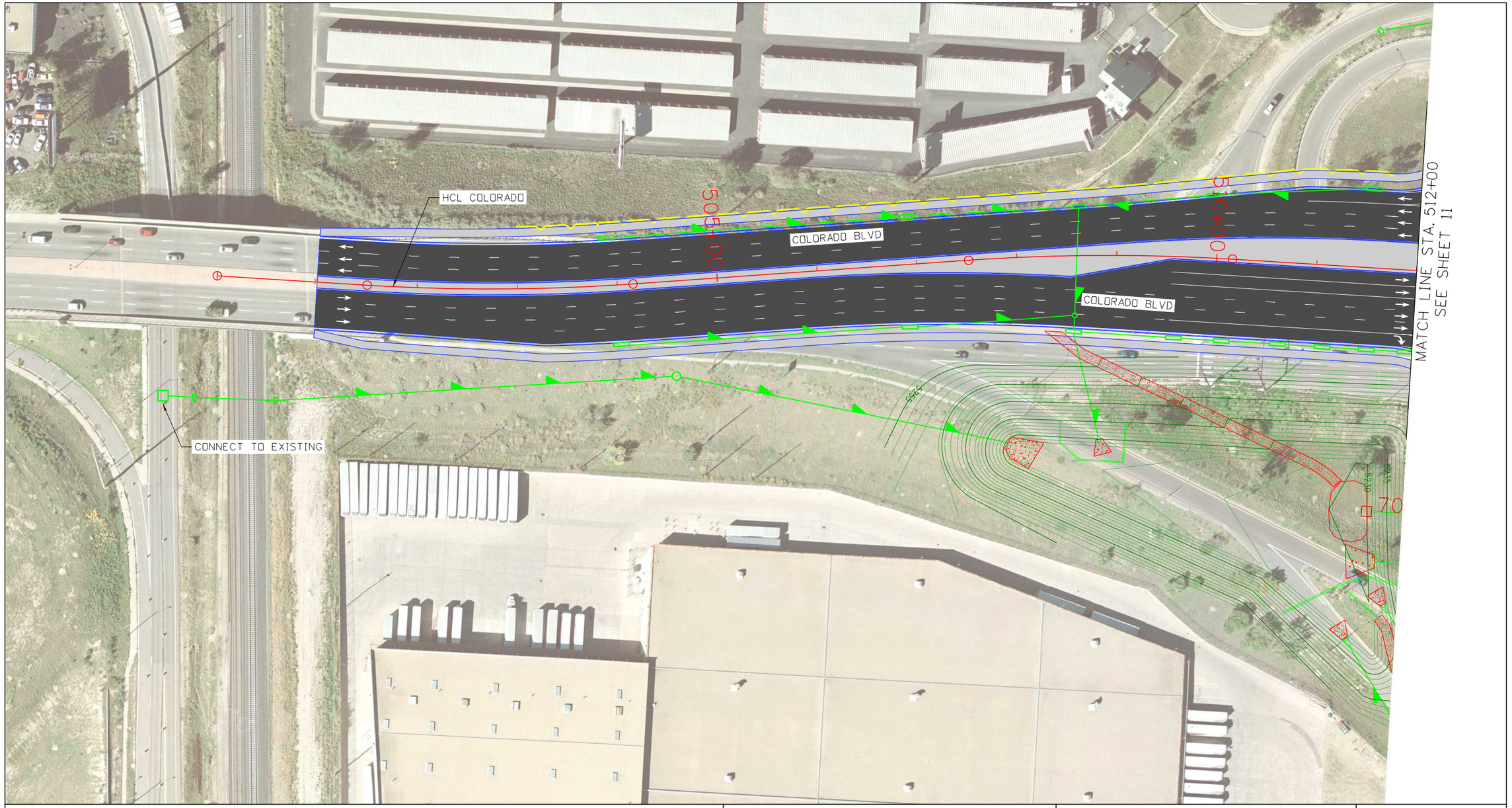
Central 70

0' 50' 100' 200'

N

CENTRAL 70 ROADWAY PLAN - MONROE & JACKSON STA 508+20 TO STA 517+23.02				Project No./Code
Designer:	KMP	Structure Numbers	-	FBR 0704-234
Detailer:	KMP		-	19631
Subset:	DRAINAGE	Subset Sheets:	47 of 60	Sheet Number 52

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

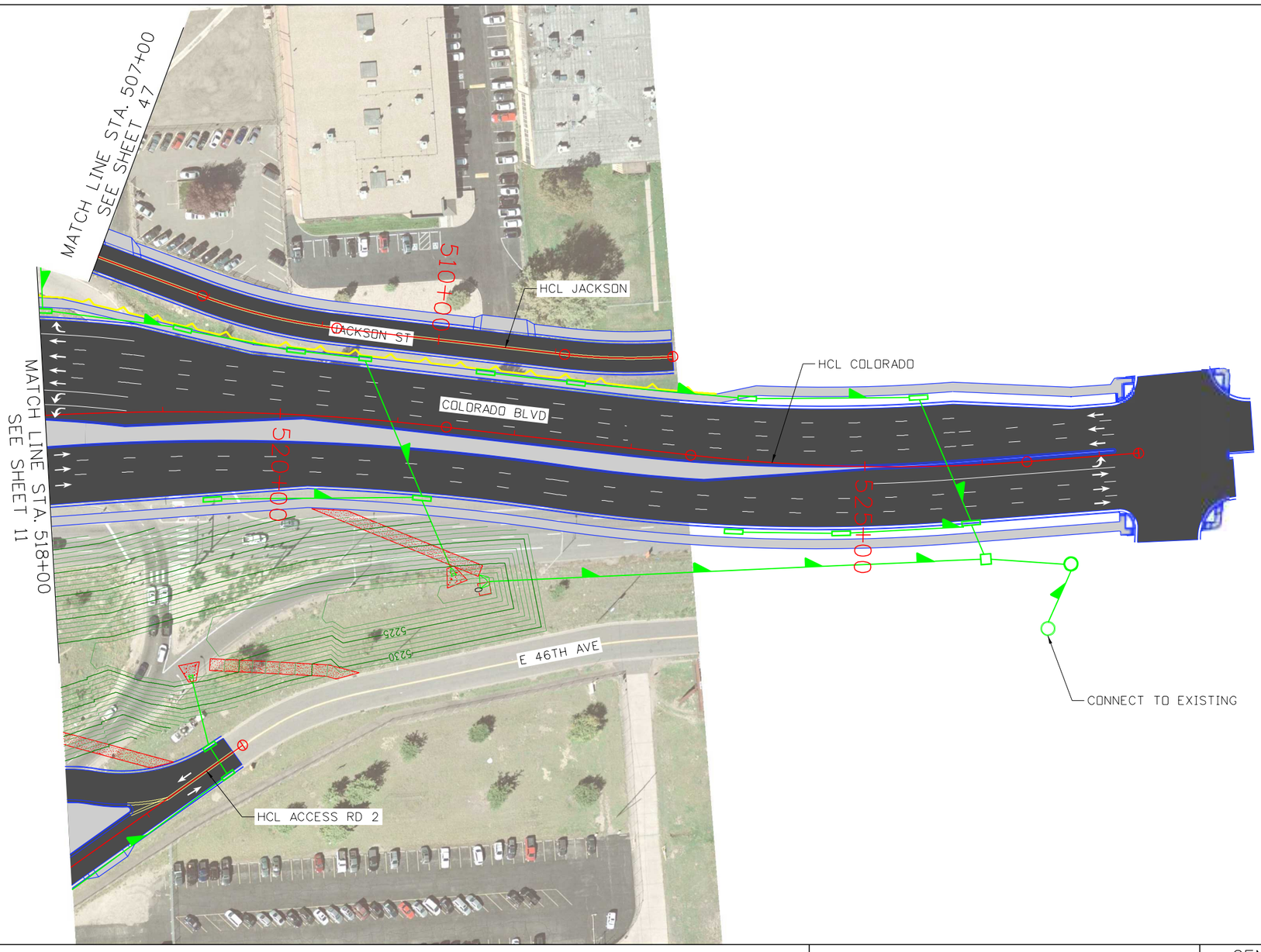
0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN - COLORADO
STA 500+00 TO STA 512+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	48 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	53

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

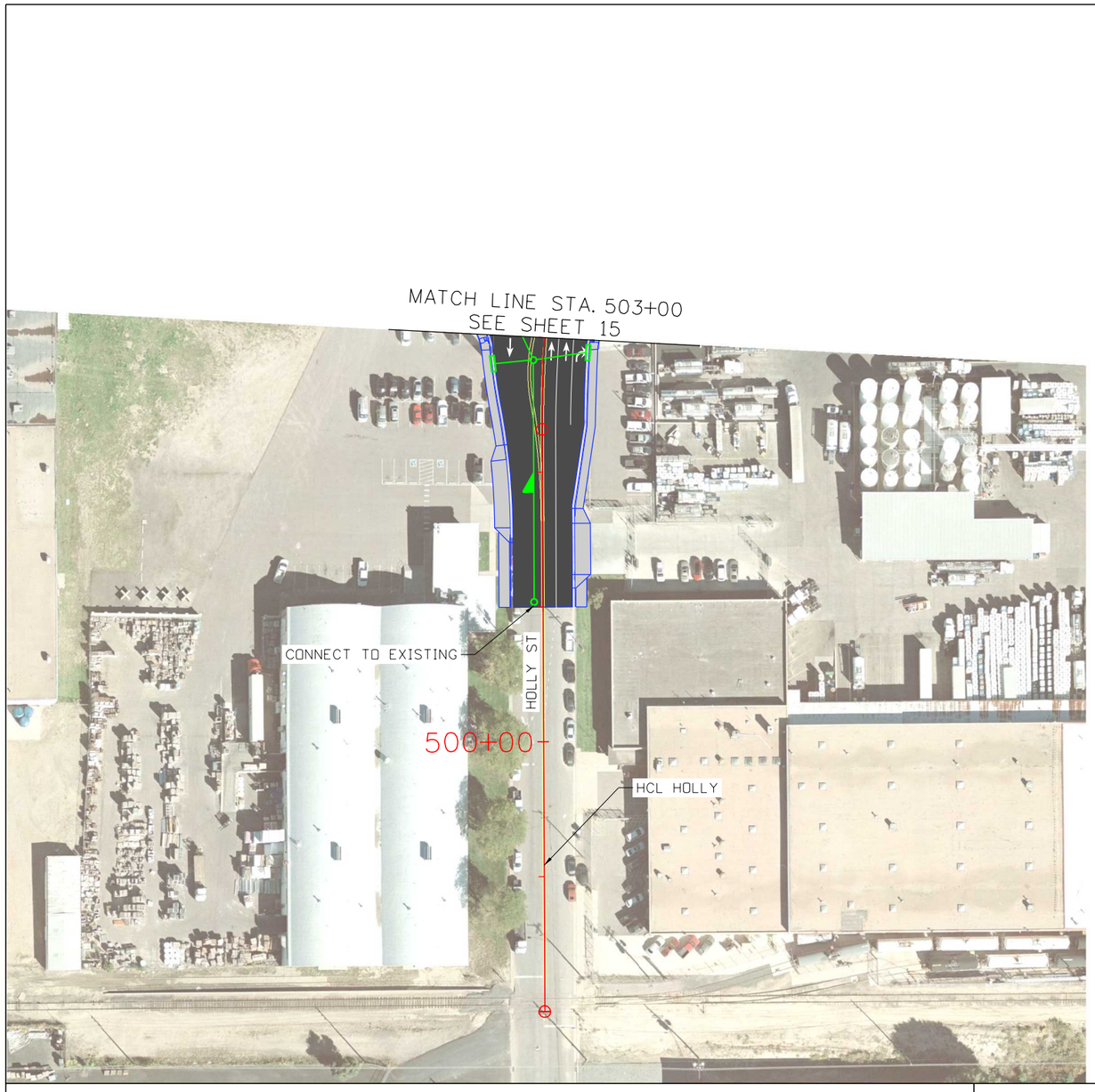
0' 50' 100' 200'

CENTRAL 70 - ROADWAY PLAN
COLORADO, JACKSON & ACCESS RD 2
STA 518+00 TO STA 527+33.35

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	49 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	54

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN - HOLLY
STA 498+00 TO STA 510+91

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	50 of 60

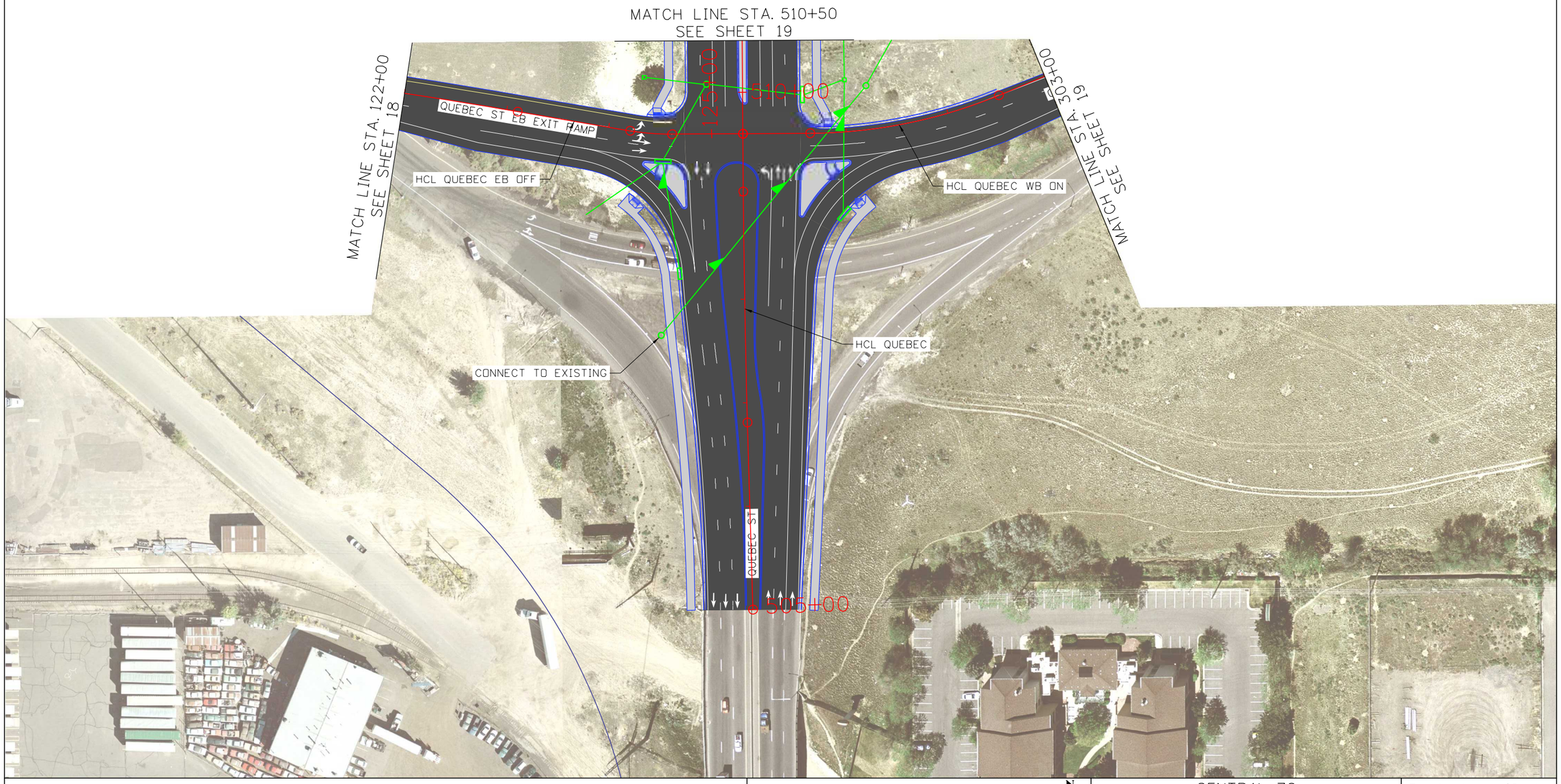
Project No./Code

FBR 0704-234

19631

Sheet Number 55

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

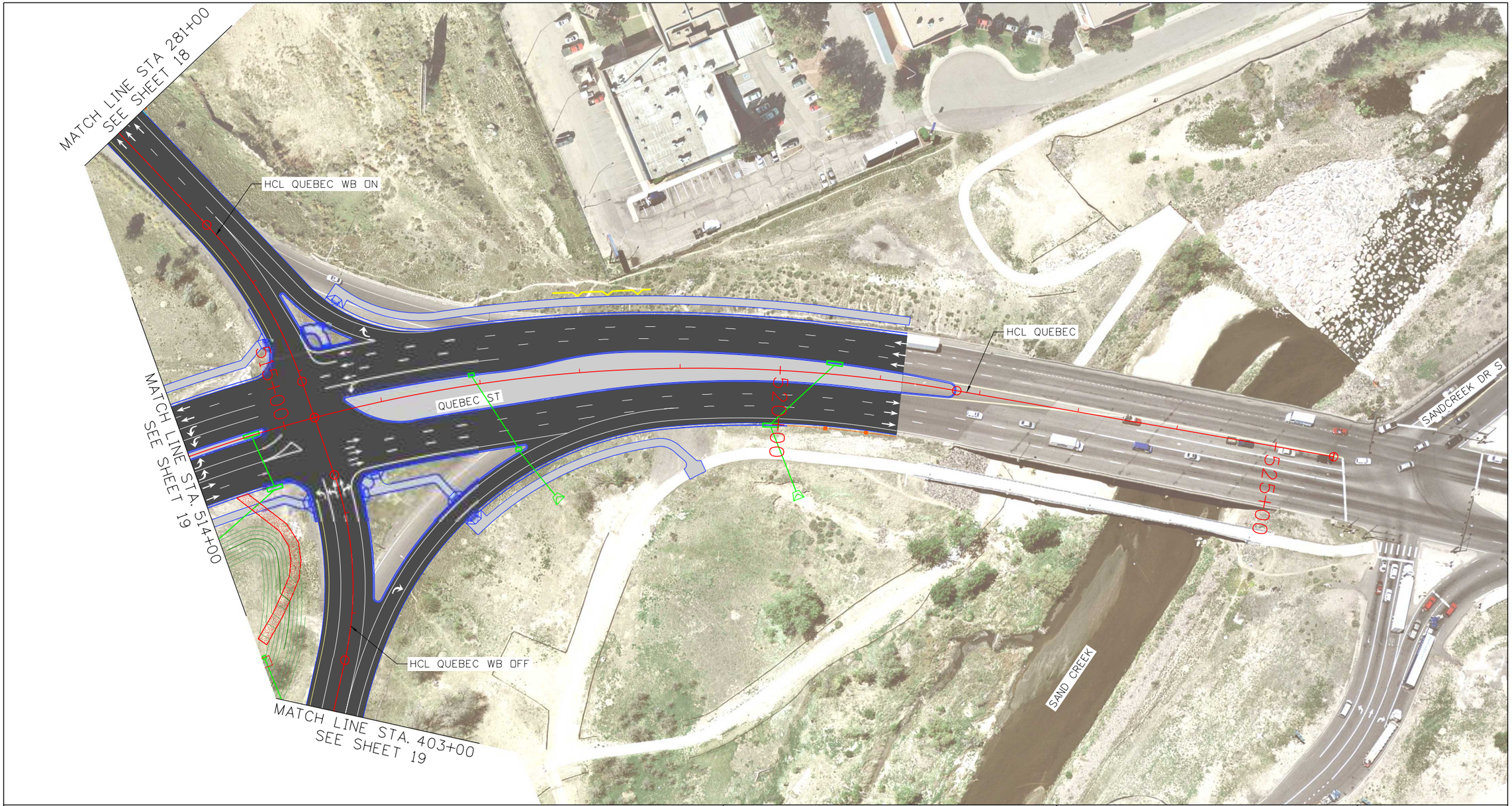
N

CENTRAL 70
DRAINAGE PLAN - QUEBEC
STA 505+00 TO STA 510+50

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	51 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	56

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN - QUEBEC
STA 514+00 TO STA 525+58.73

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	52 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	57

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN - I-270
STA 400+00 TO STA 408+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	53 of 60

Project No./Code

FBR 0704-234

19631

Sheet Number 58

$PLOT_INFO$

MATCH LINE STA 417+00
SEE SHEET 20

HCL 270 FLYOVER

TIE TO EXISTING DITCH

MATCH LINE STA. 430+00
SEE SHEET 55

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN - I-270
STA 417+00 TO STA 430+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	54 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 59

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

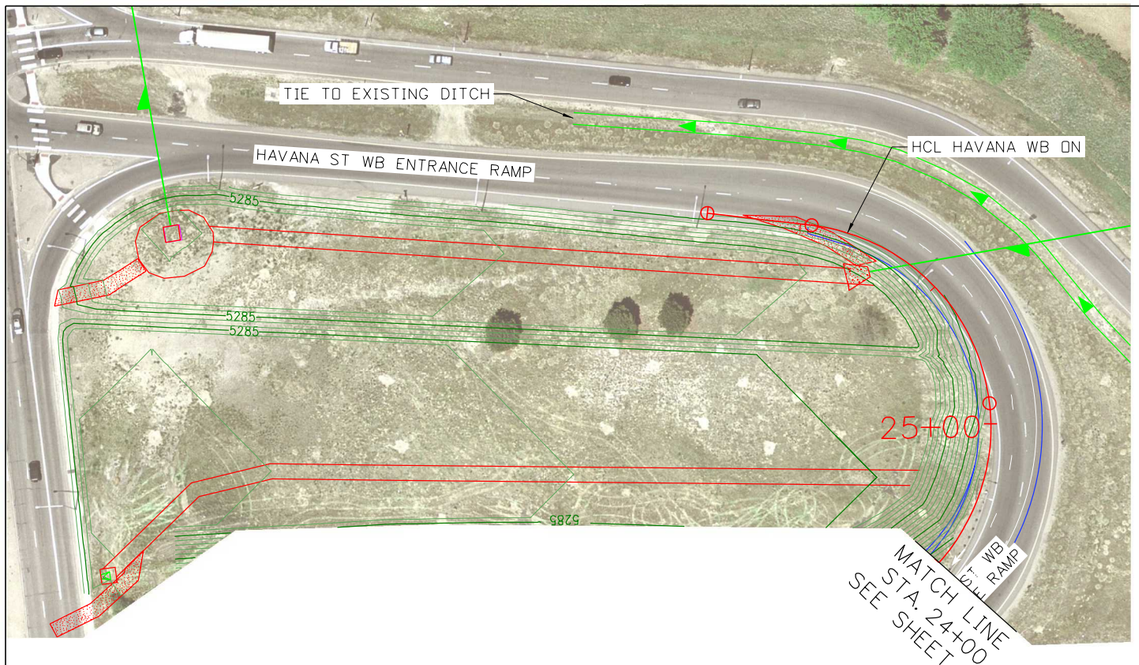
N

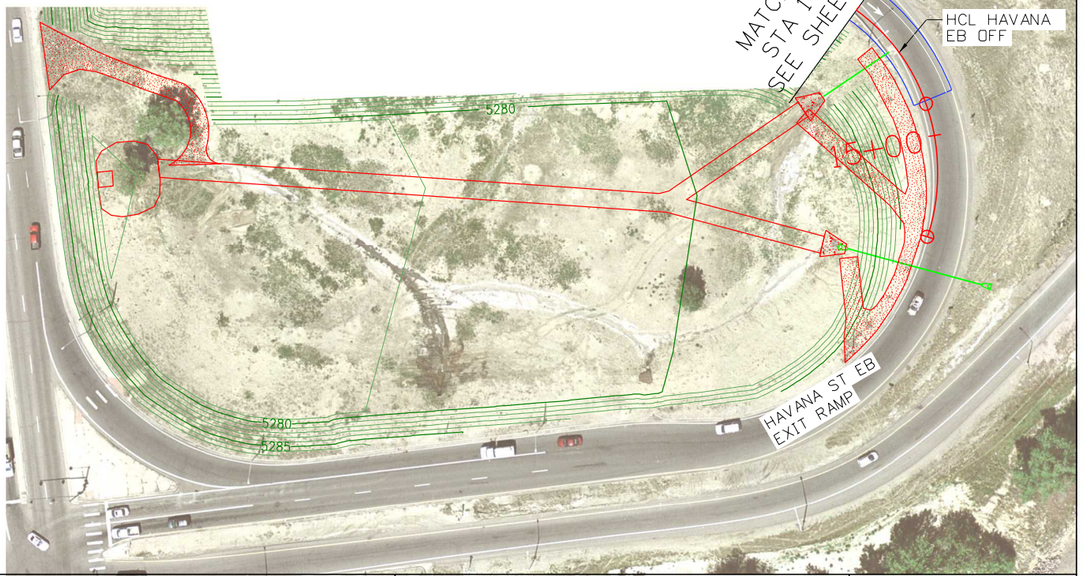
CENTRAL 70
DRAINAGE PLAN - I-270
STA 430+00 TO STA 435+09.04

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	55 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	60

$PLOT_INFO$





Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

N

CENTRAL 70
DRAINAGE PLAN
HAVANA RAMPS

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	56 of 60

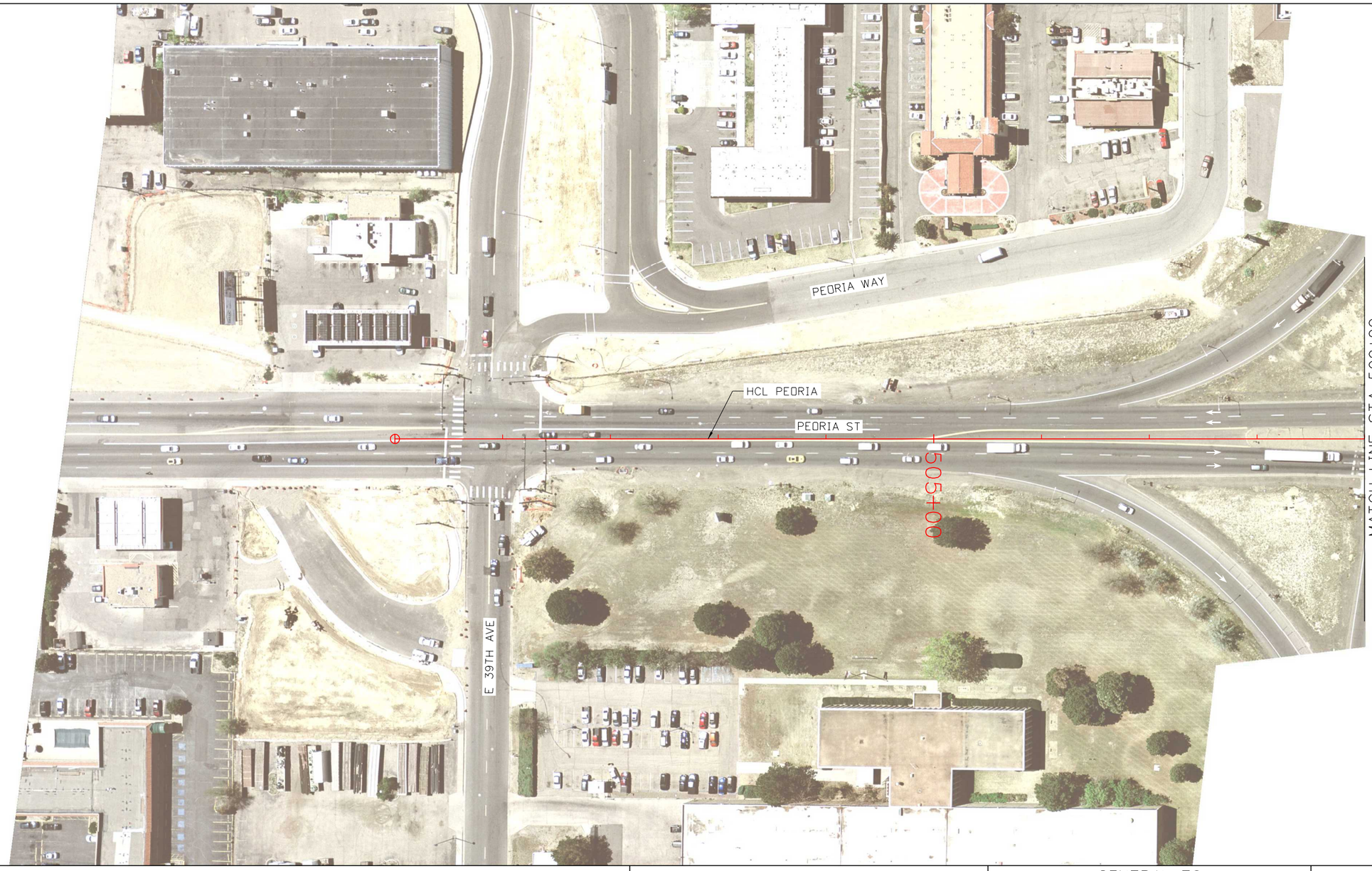
Project No./Code

FBR 0704-234

19631

Sheet Number 61

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN - PEORIA
STA 500+00 TO STA 509+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	57 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	62

$PLOT_INFO$

Kiewit meridiam PARTNERS

Central 70

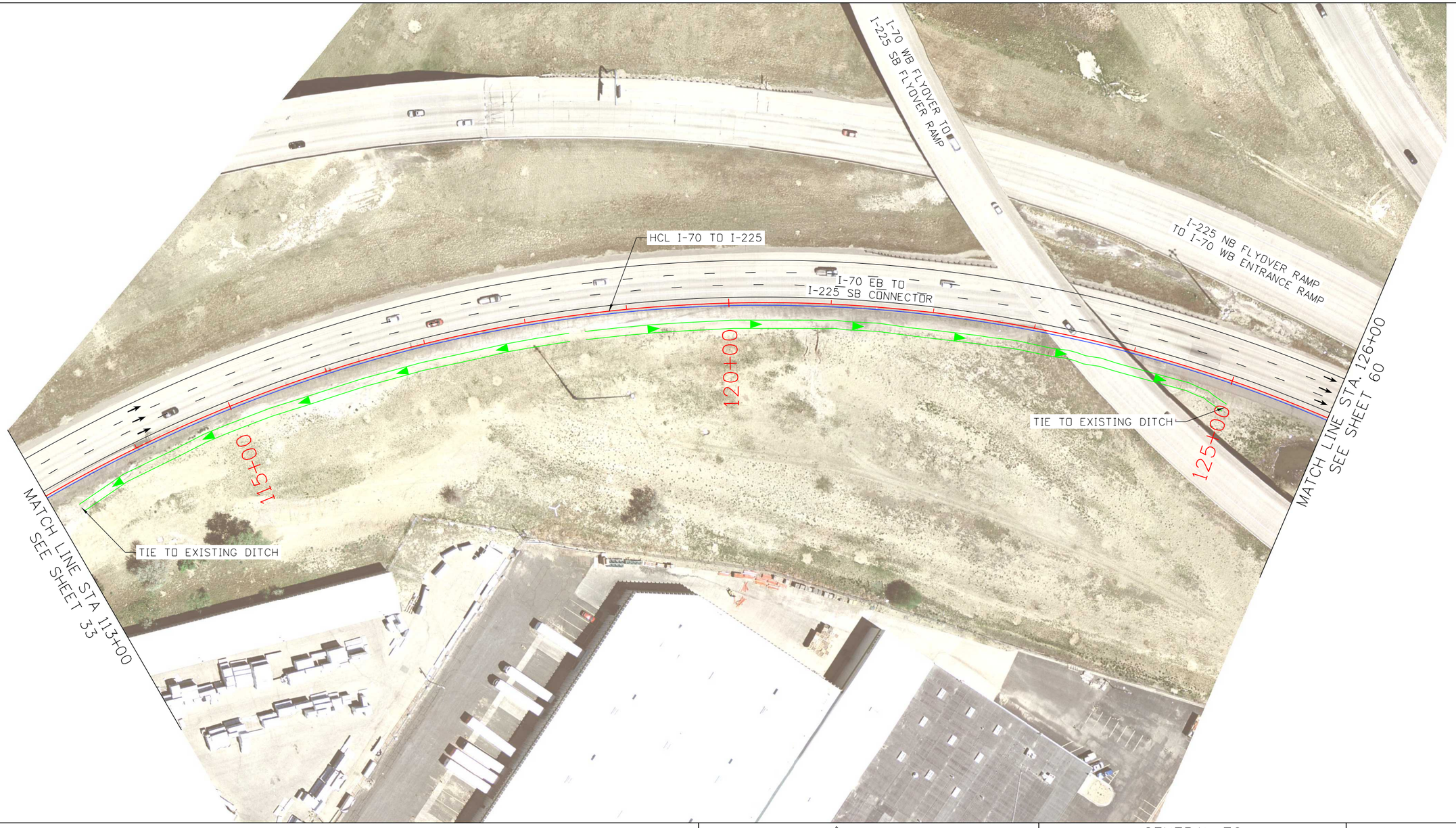
0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN - PEORIA
STA 515+00 TO STA 520+48.28

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	58 of 60

Project No./Code
FBR 0704-234
19631
Sheet Number 63

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

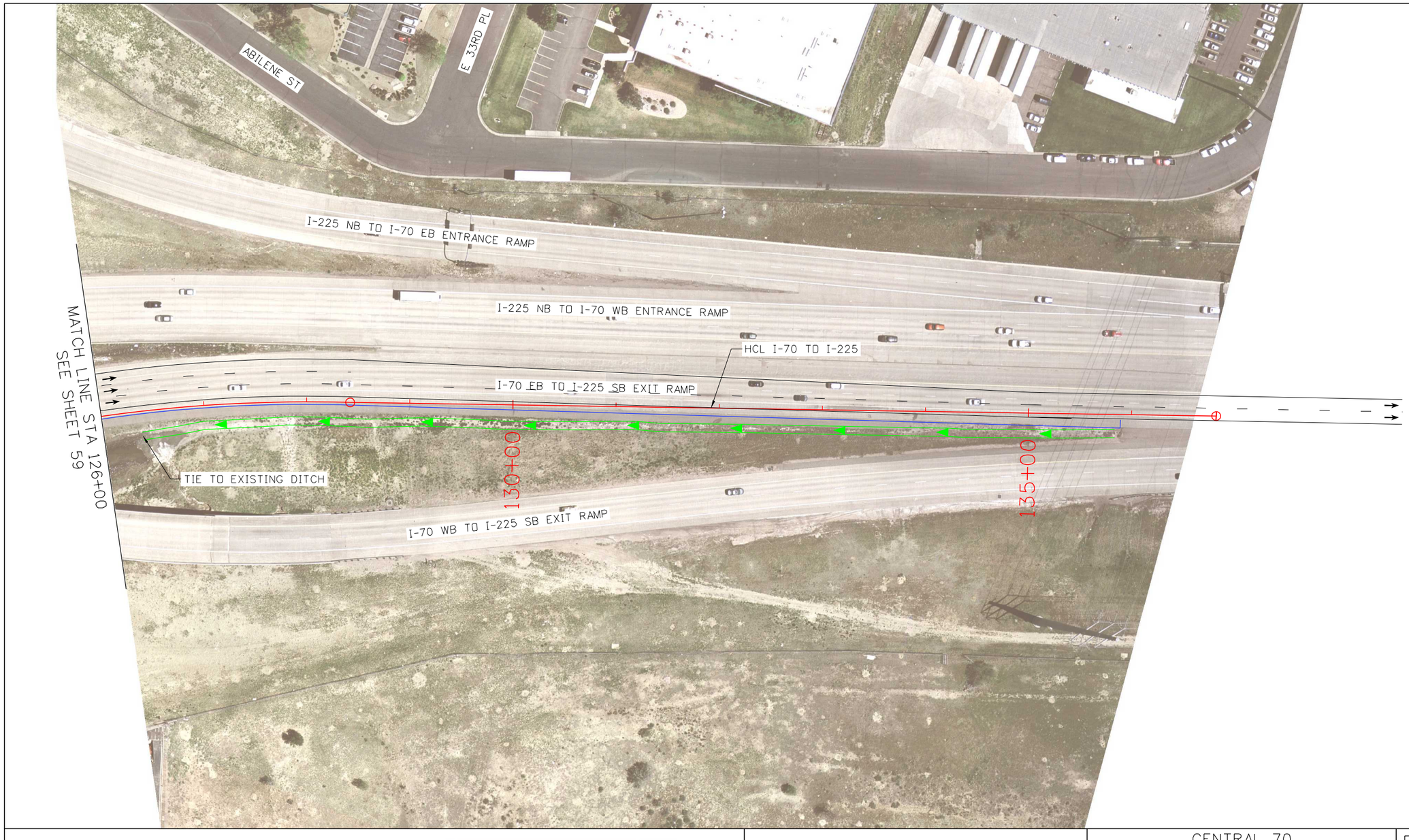
0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN I-225 CONNECTOR
STA 113+00 TO STA 126+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	59 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	64

$PLOT_INFO$



Kiewit meridiam PARTNERS

Central 70

N

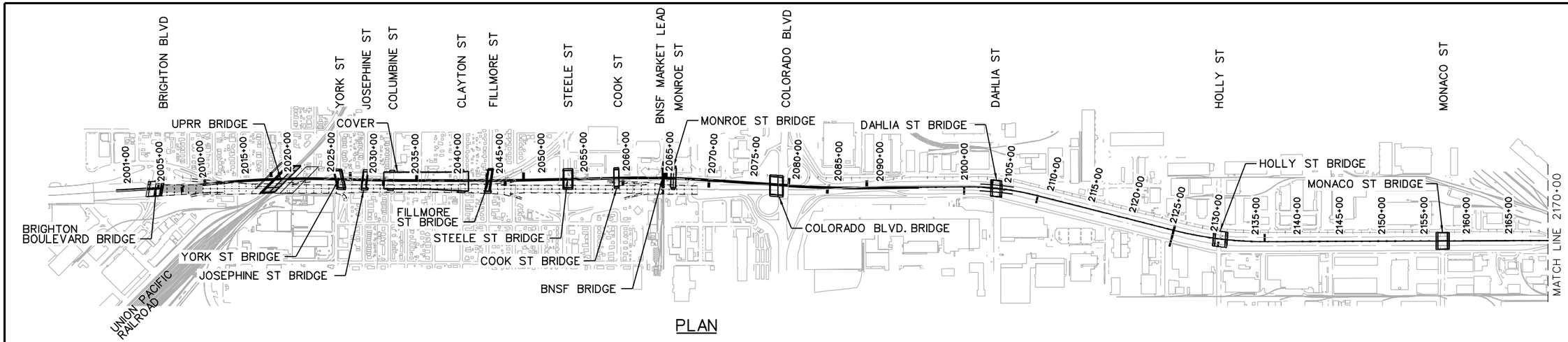
0' 50' 100' 200'

CENTRAL 70
DRAINAGE PLAN I-225 CONNECTOR
STA 126+00 TO STA 136+82.13

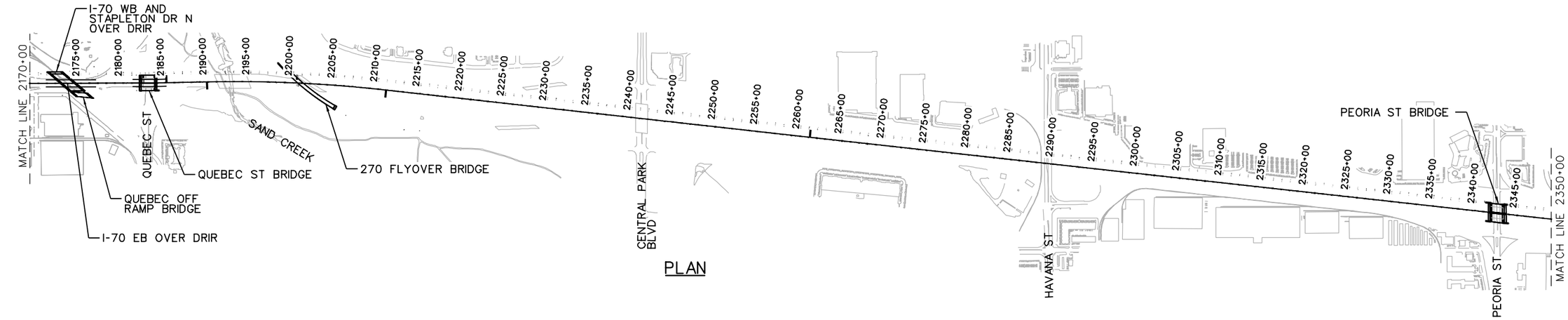
Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	DRAINAGE	Subset Sheets:	60 of 60

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	65

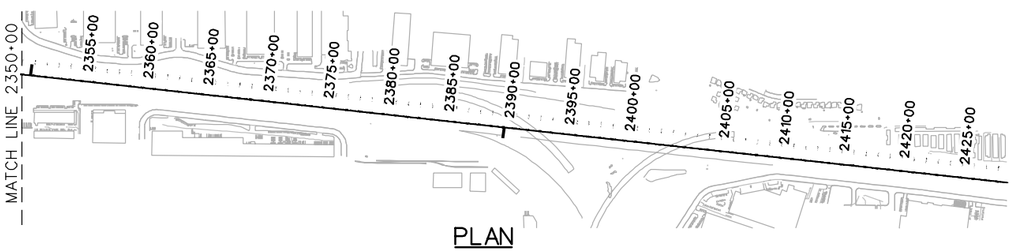
$PLOT_INFO$



PLAN



PLAN



PLAN

NOTES:

1. FOR ROADWAY PLANS SEE BINDER 2
2. FOR DRAINAGE PLANS SEE BINDER 4
3. FOR PROFILES SEE BINDER 3
4. HORIZONTAL ALIGNMENT DATA SHOWN ON GEOMETRIC PLANS, SEE BINDER 2

Kiewit meridiam PARTNERS

Central 70

0' 625' 1250' 2500'

N

CENTRAL 70 BRIDGES KEY MAP

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	_SG	Subset Sheets:	1 of 1

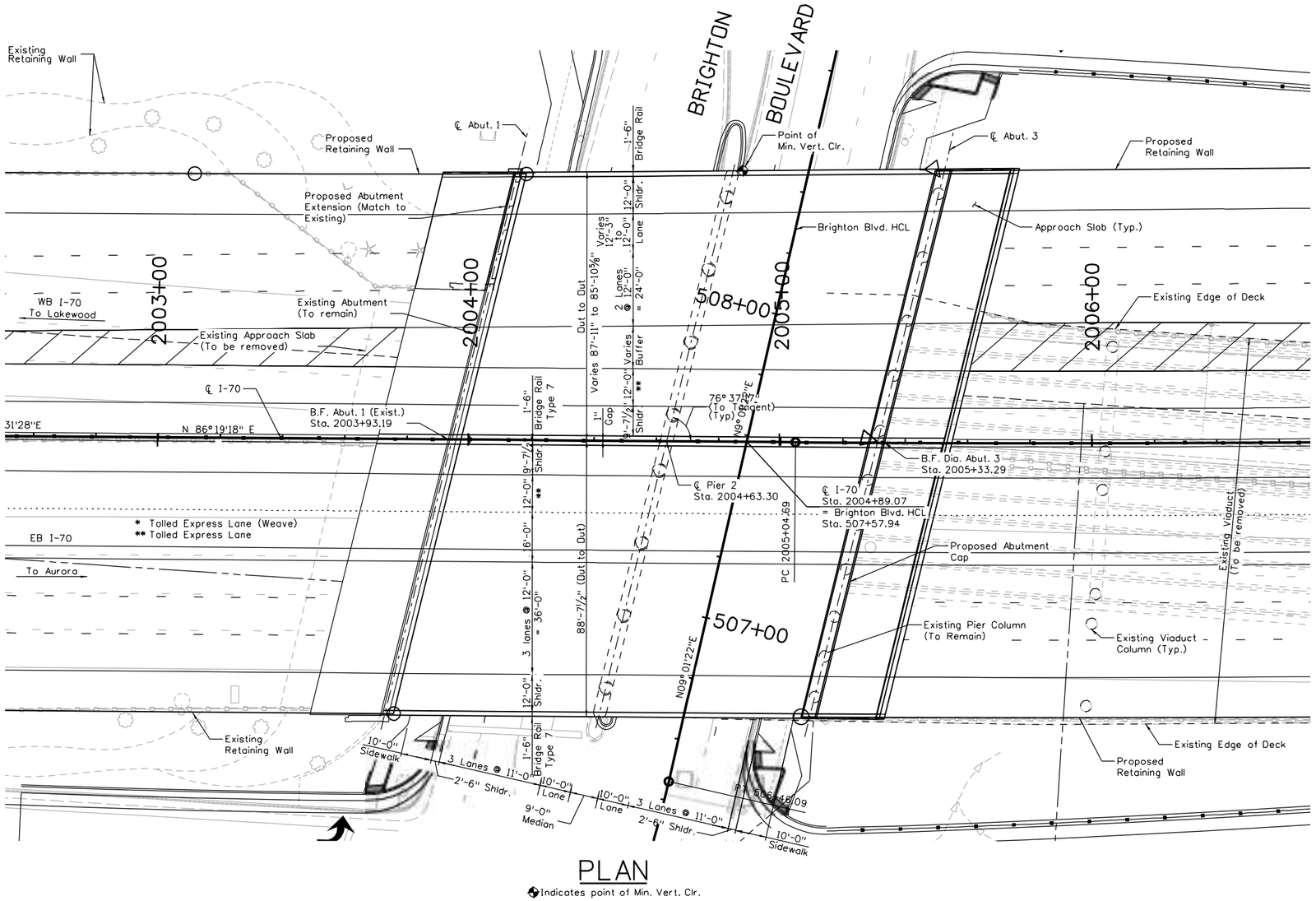
Project No./Code

FBR 0704-234

19631

Sheet Number 66

martinezd 1:55:27 PM pw:\\projectwise.pbid.com:pwiseV8i\Documents\Central 70\Design\Drawings\11X17 Sheets (Appendix A)\135998RDG_KeyMap.dgn



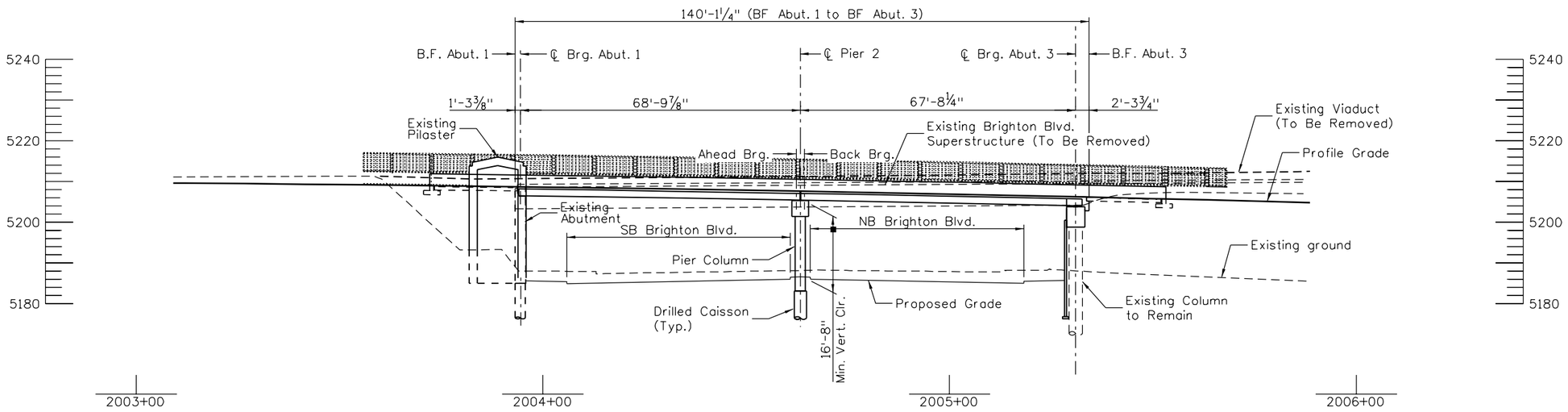
PLAN

◆ Indicates point of Min. Vert. Clr.

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 OVER BRIGHTON BLVD. GENERAL LAYOUT PLAN			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AEU	19631
Detailer: KMP		E-17-AEV	
Sheet Subset: Bridge	Subset Sheets: 1 of 51		Sheet Number 67



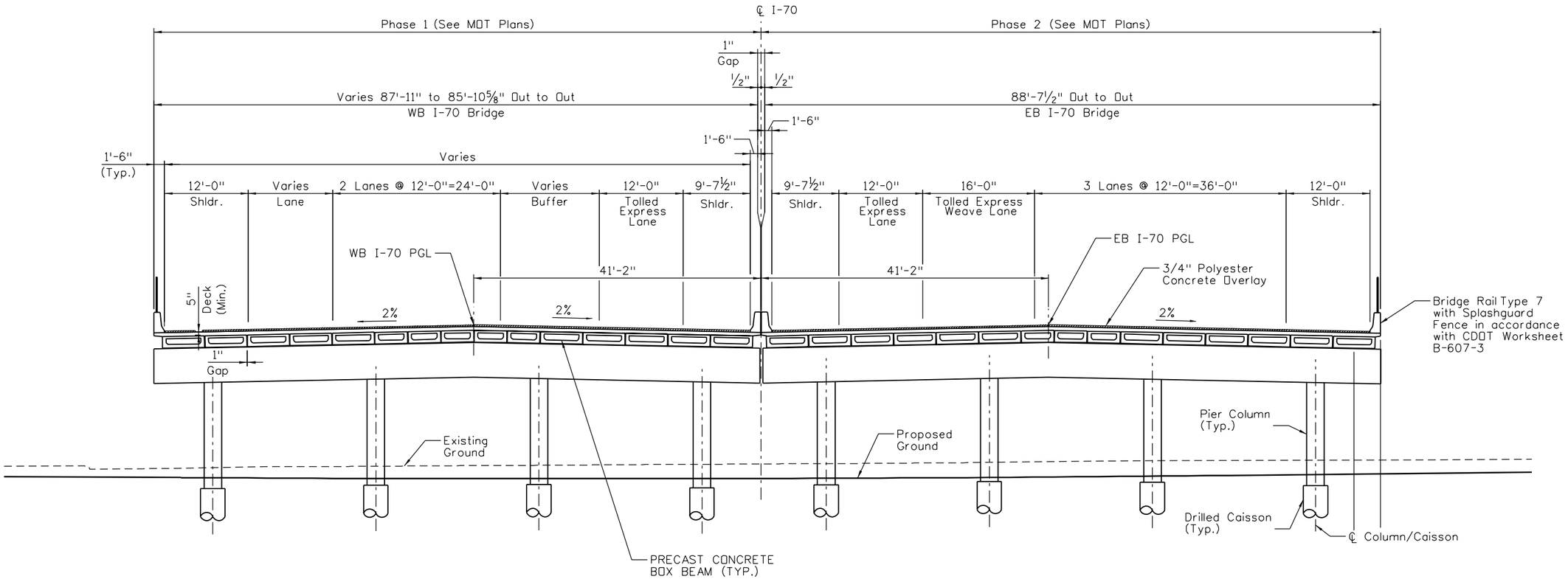
SECTION

(Taken along ℄ I-70)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 OVER BRIGHTON BLVD. GENERAL LAYOUT PROFILE		Project No./Code
		FBR 0704-2
		19631
Designer: KMP	Structure Numbers E-17-AEU	
Detailer: KMP	E-17-AEV	
Sheet Subset: Bridge	Subset Sheets: 2 of 51	Sheet Number 68

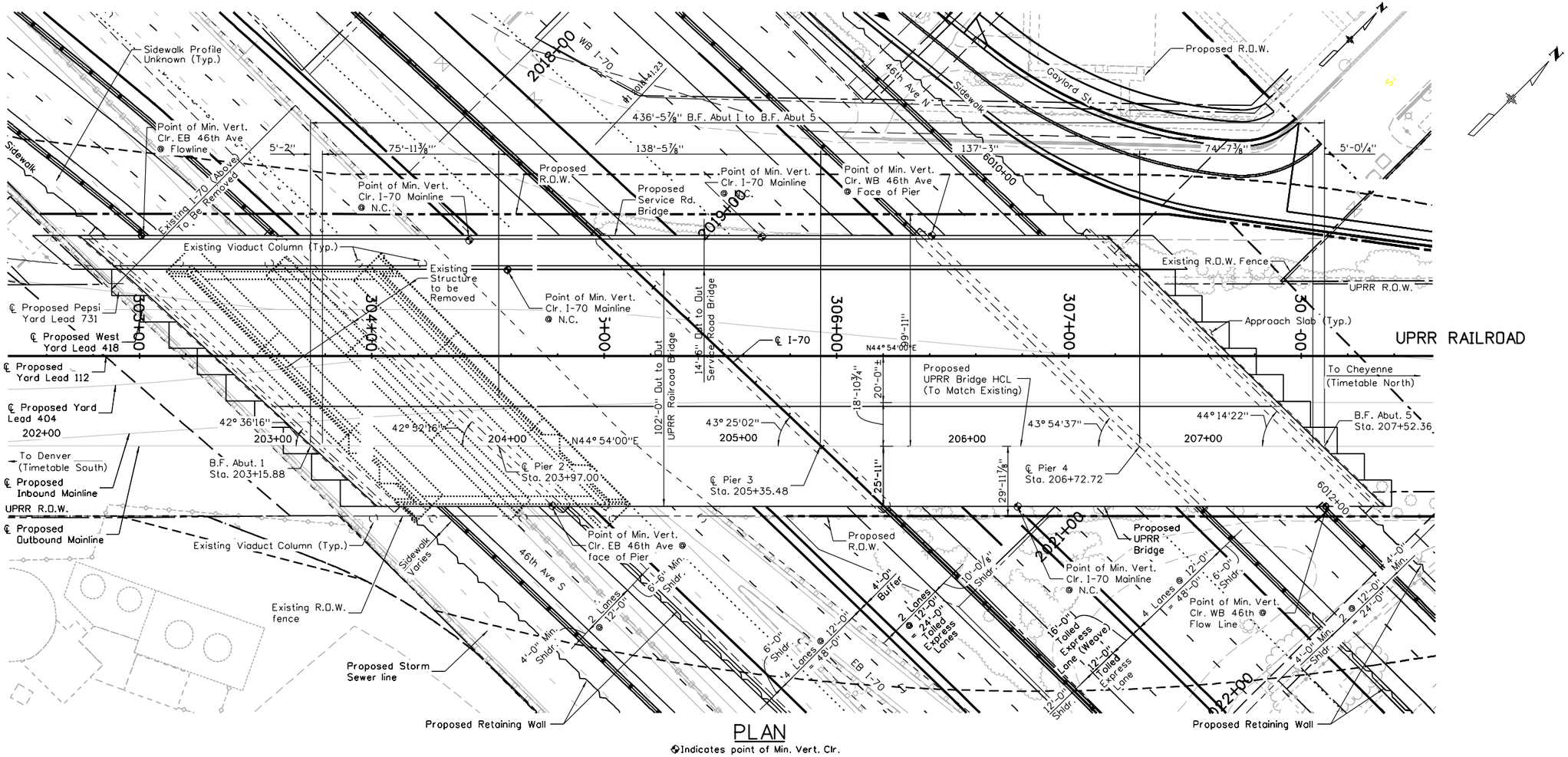


TYPICAL SECTION
(Looking Ahead Station)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 OVER BRIGHTON BLVD. TYPICAL SECTION		Project No./Code
		FBR 0704-2
		19631
Designer: KMP	Structure Numbers E-17-AEU	
Detailer: KMP	E-17-AEV	
Sheet Subset: Bridge	Subset Sheets: 3 of 51	Sheet Number 69



PLAN

℄Indicates point of Min. Vert. Clr.

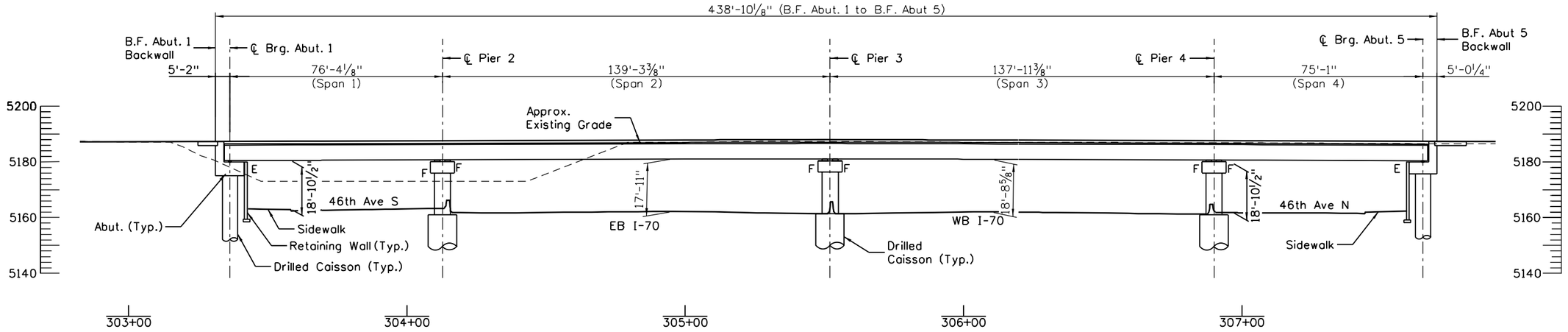
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
UPRR & SERVICE ROAD OVER I-70
GENERAL LAYOUT PLAN

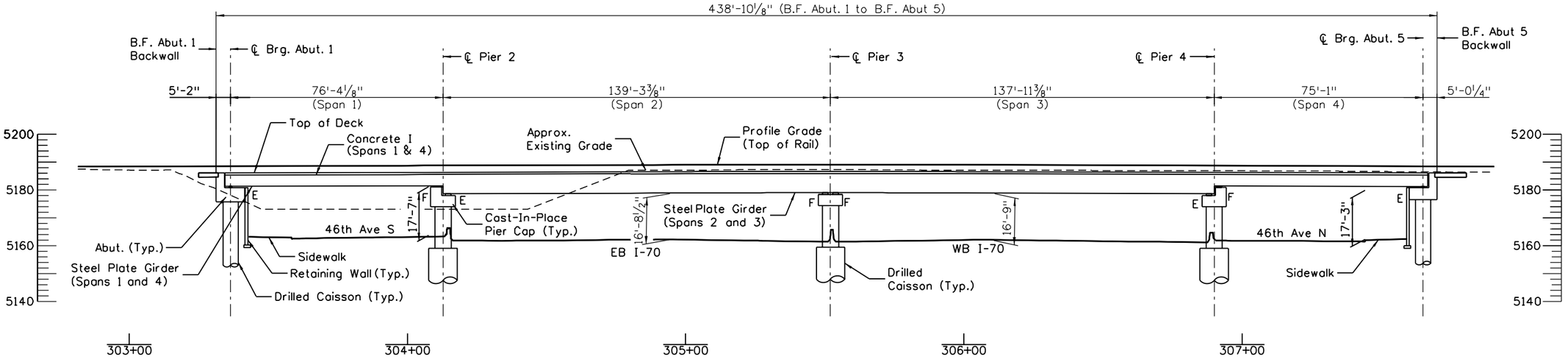
Designer: KMP	Structure Numbers	E-17-AEW
Detailer: KMP		E-17-AEX
Sheet Subset: Bridge	Subset Sheets: 4 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 70



UPRR SERVICE ROAD - SECTION

(Taken along Yard Lead HCL)



UPRR - SECTION

(Taken along Yard Lead HCL)

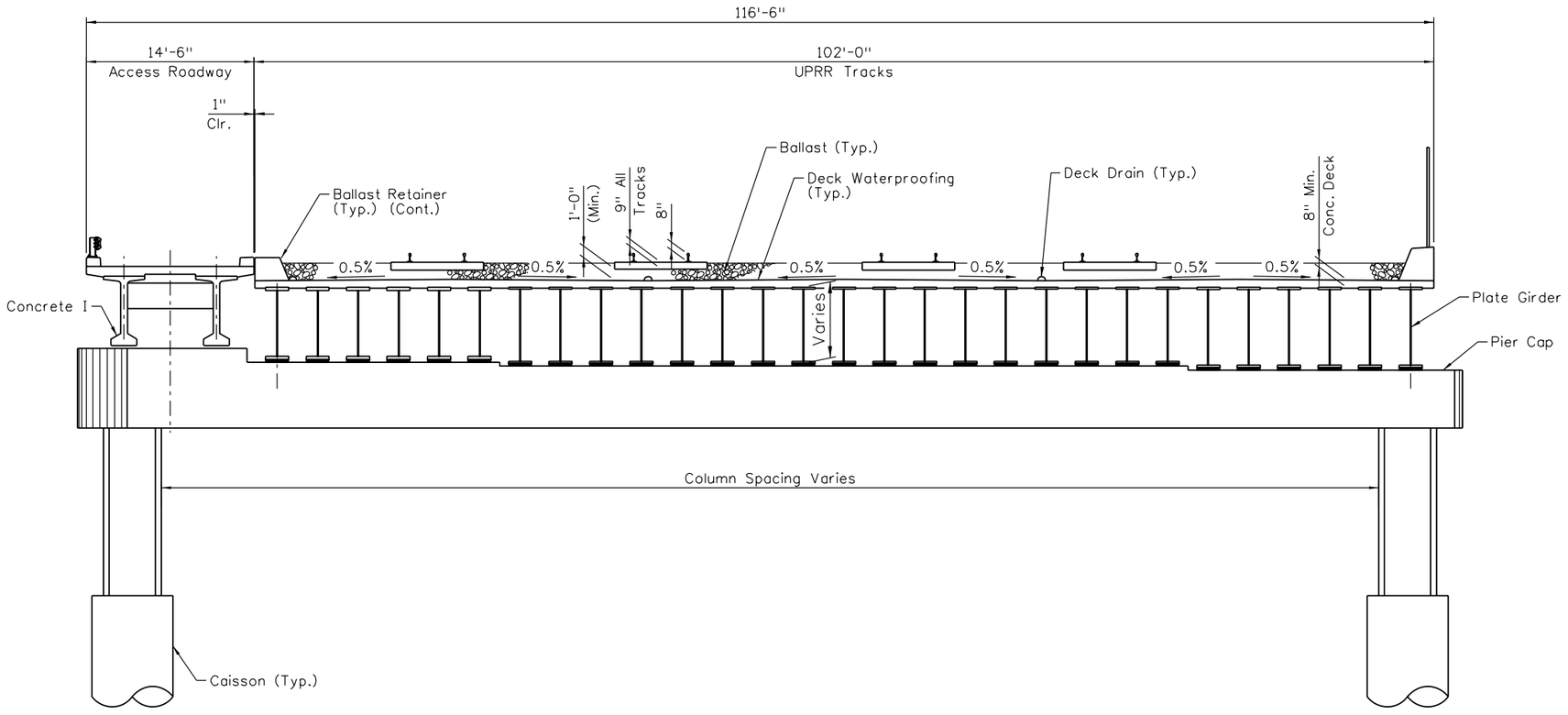
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
UPRR & SERVICE ROAD OVER I-70
GENERAL LAYOUT PROFILE

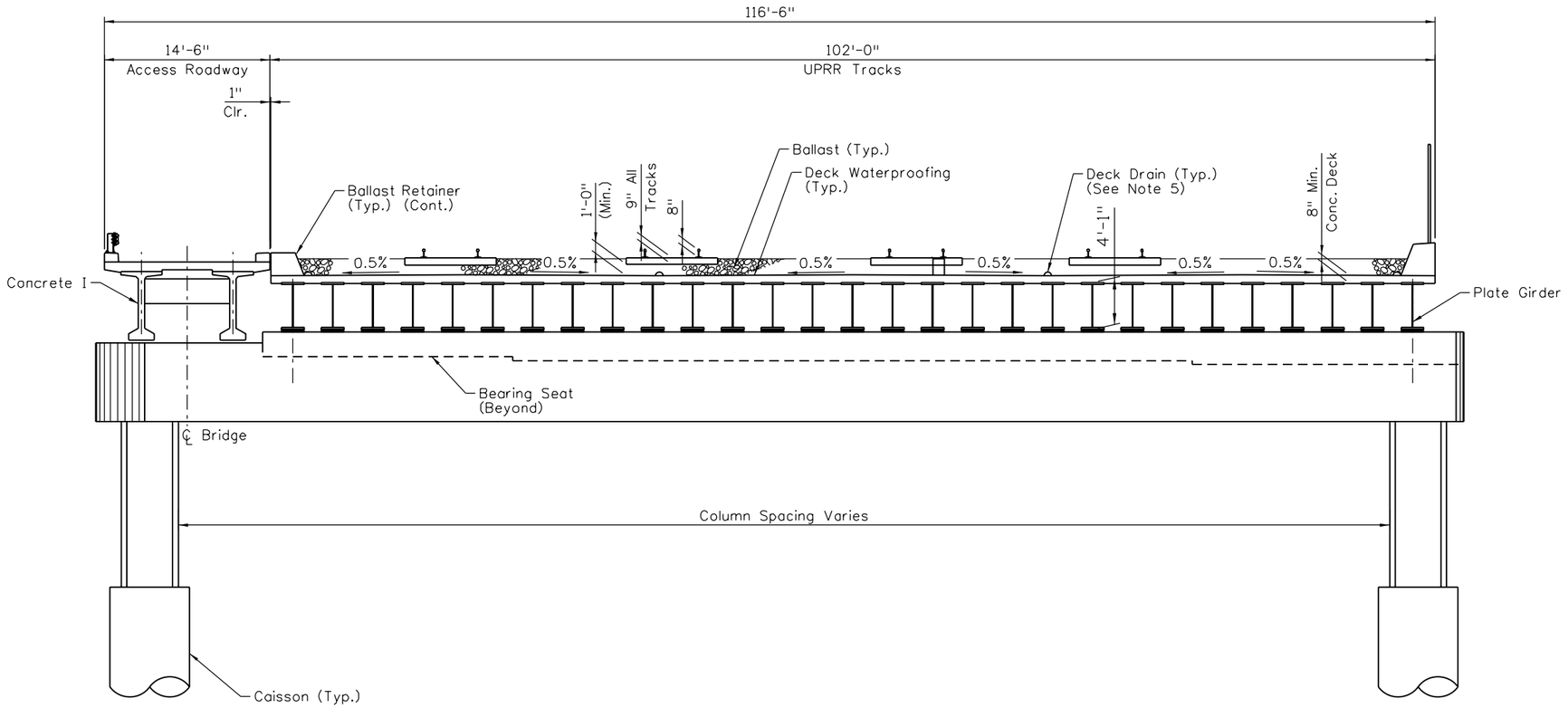
Designer: KMP	Structure Numbers	E-17-AEW	
Detailer: KMP		E-17-AEX	
Sheet Subset: Bridge	Subset Sheets: 5 of 51		

Project No./Code
FBR 0704-2
19631
Sheet Number 71



TYPICAL SECTION

Kiewit meridiam PARTNERS / Central 70	CENTRAL 70 UPRR & SERVICE ROAD OVER I-70 TYPICAL SECTION - SPANS 2 AND 3		Project No./Code
	Designer: KMP	Structure Numbers: E-17-AEW	FBR 0704-2
	Detailer: KMP	E-17-AEX	19631
	Sheet Subset: Bridge	Subset Sheets: 6 of 51	Sheet Number 72



TYPICAL SECTION

(Span 1 Shown, Span 4 Similar)

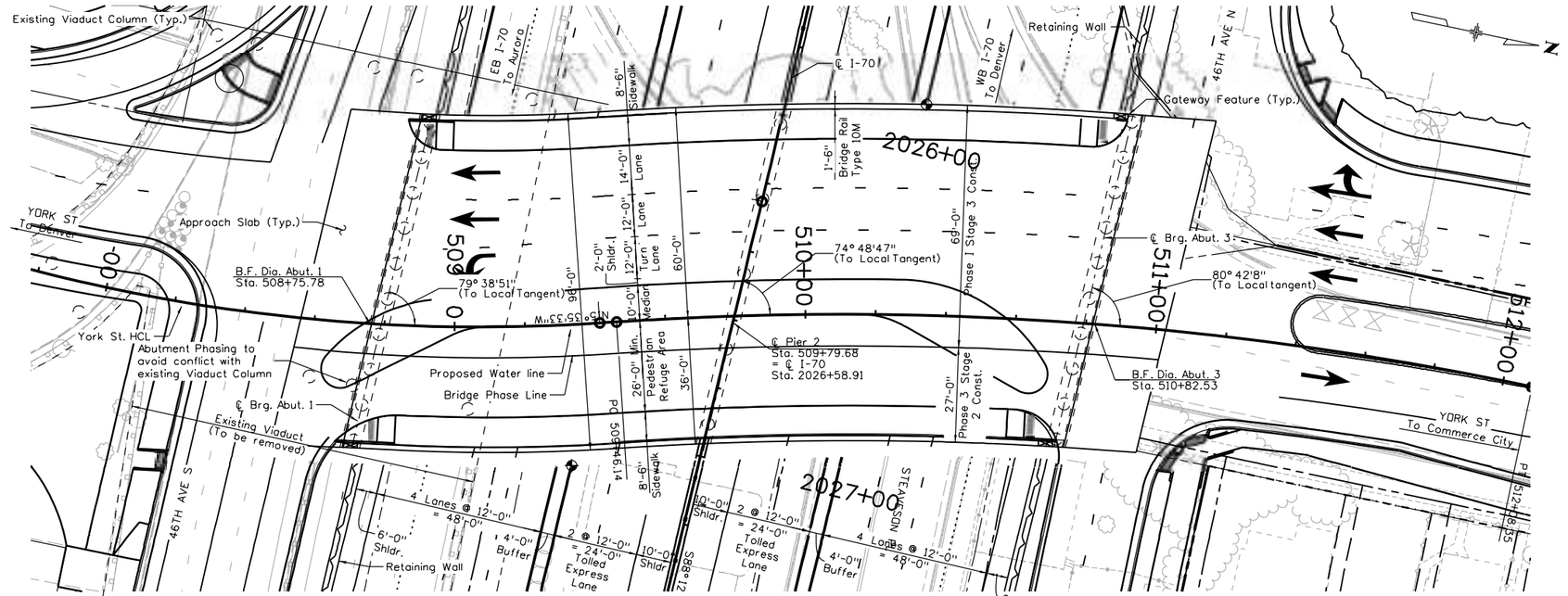
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
UPRR & SERVICE ROAD OVER I-70
TYPICAL SECTION - SPANS 1 AND 4

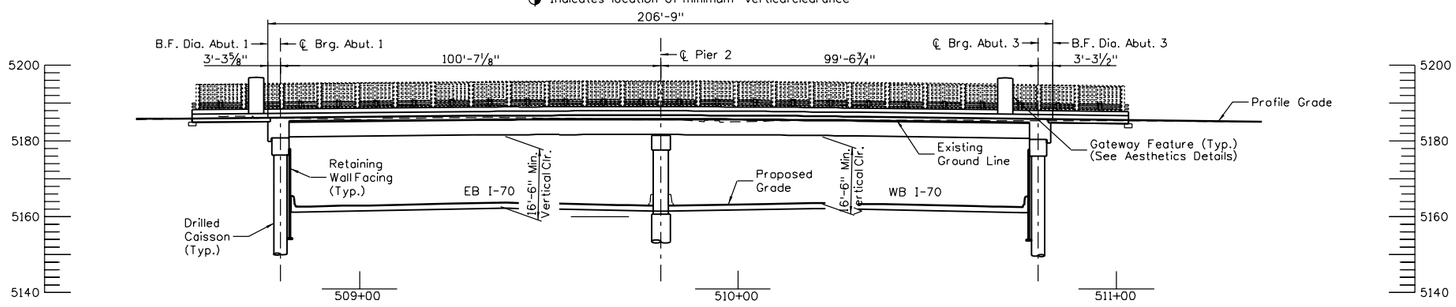
Designer: KMP	Structure Numbers	E-17-AEW
Detailer: KMP		E-17-AEX
Sheet Subset: Bridge	Subset Sheets: 7 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 73



PLAN

Indicates location of minimum vertical clearance



SECTION

(Taken along York St. HCL)

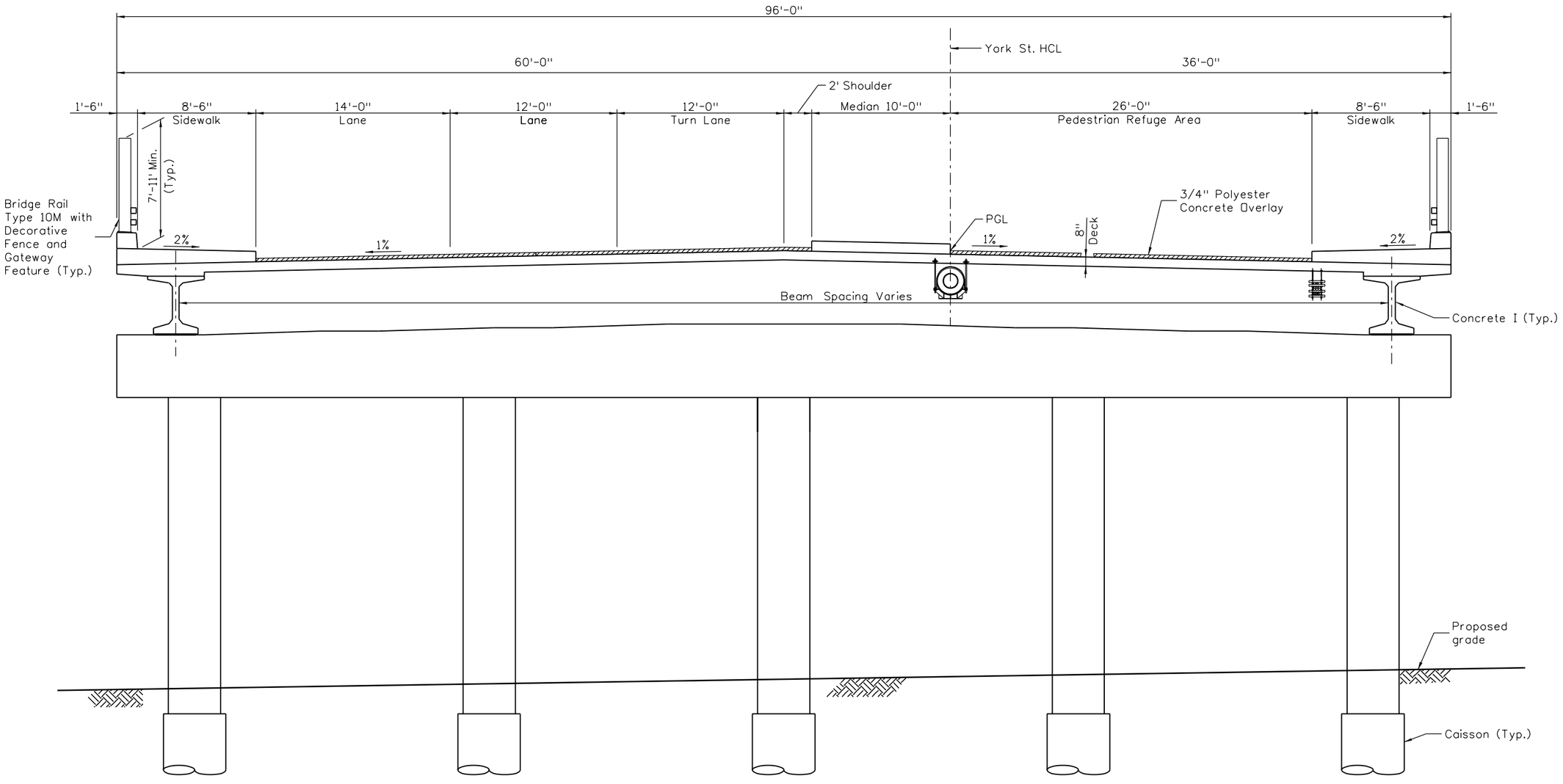
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
YORK ST OVER I-70
GENERAL LAYOUT - PLAN AND PROFILE

Designer: KMP	Structure Numbers	E-17-AEY
Detailer: KMP		
Sheet Subset: Bridge	Subset Sheets: 8 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 74



TYPICAL SECTION
(Looking Ahead Station)

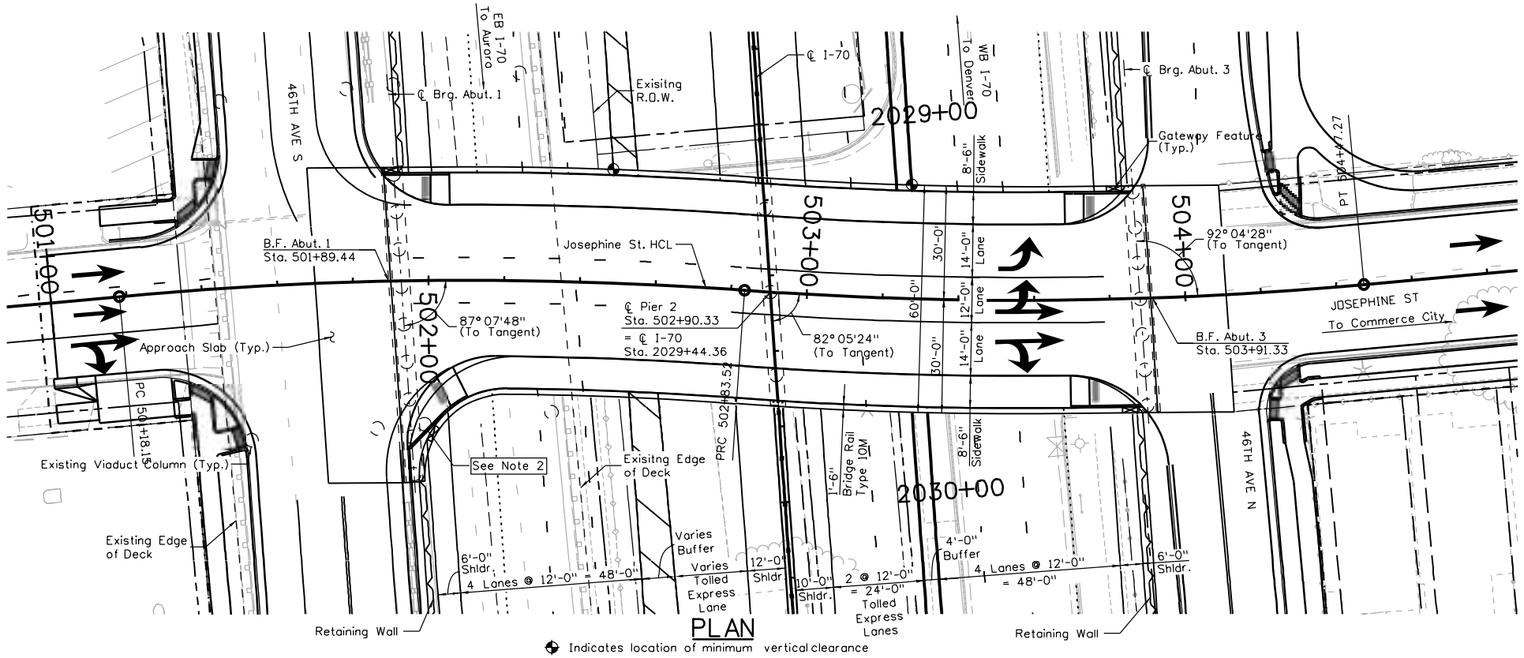
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
YORK ST OVER I-70
TYPICAL SECTION

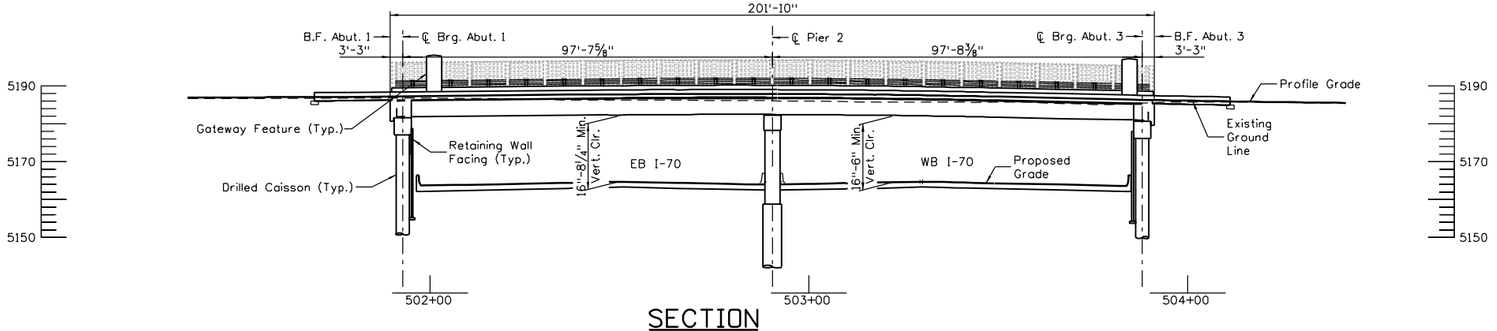
Designer: KMP	Structure Numbers	E-17-AEY	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 9 of 51		

Project No./Code
FBR 0704-2
19631
Sheet Number 75



PLAN

◆ Indicates location of minimum vertical clearance



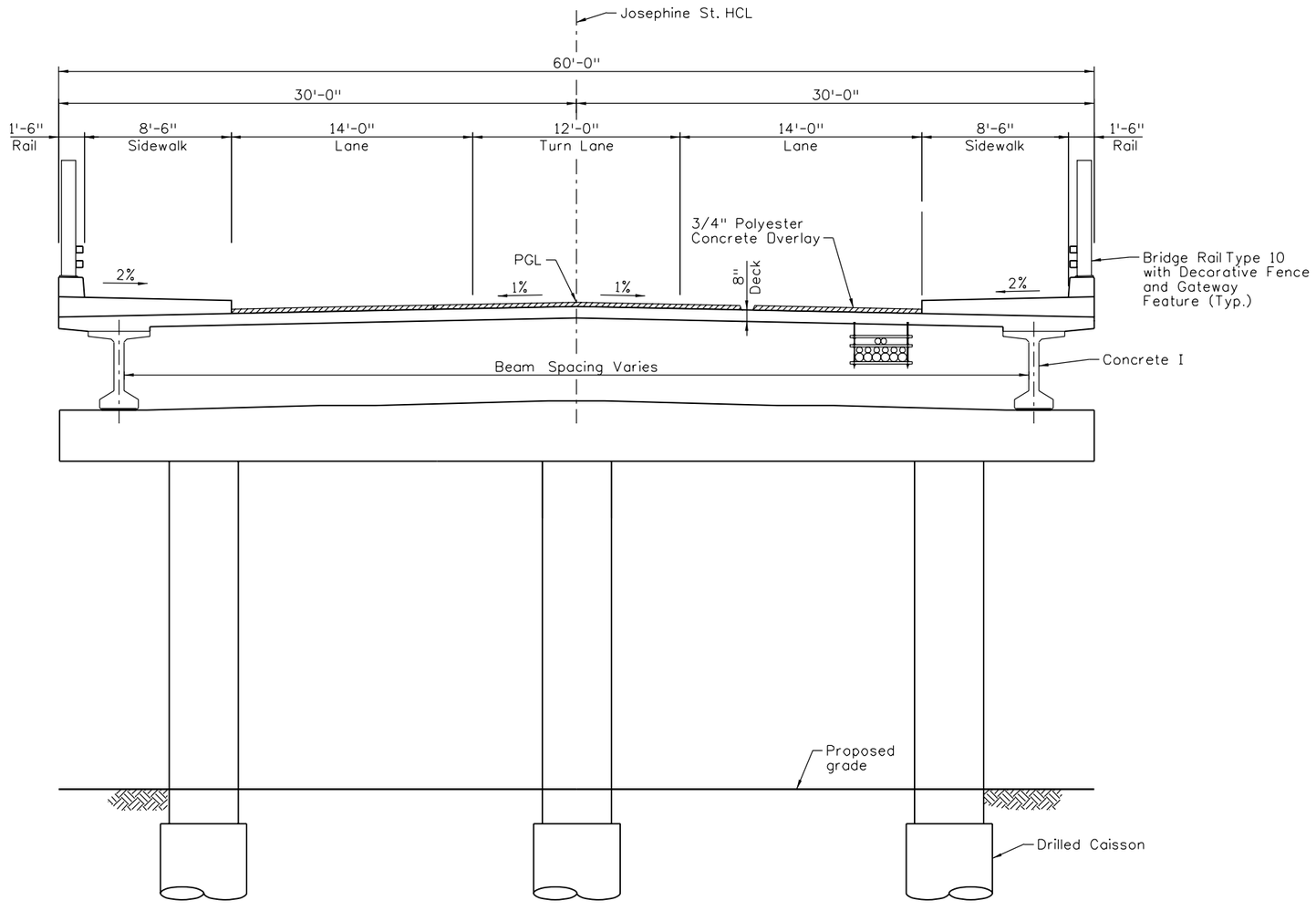
SECTION

(Taken along Josephine St. HCL)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 JOSEPHINE ST OVER I-70 GENERAL LAYOUT - PLAN AND PROFILE			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AEZ	19631
Detailer: KMP			Sheet Number 76
Sheet Subset: Bridge	Subset Sheets: 10 of 51		



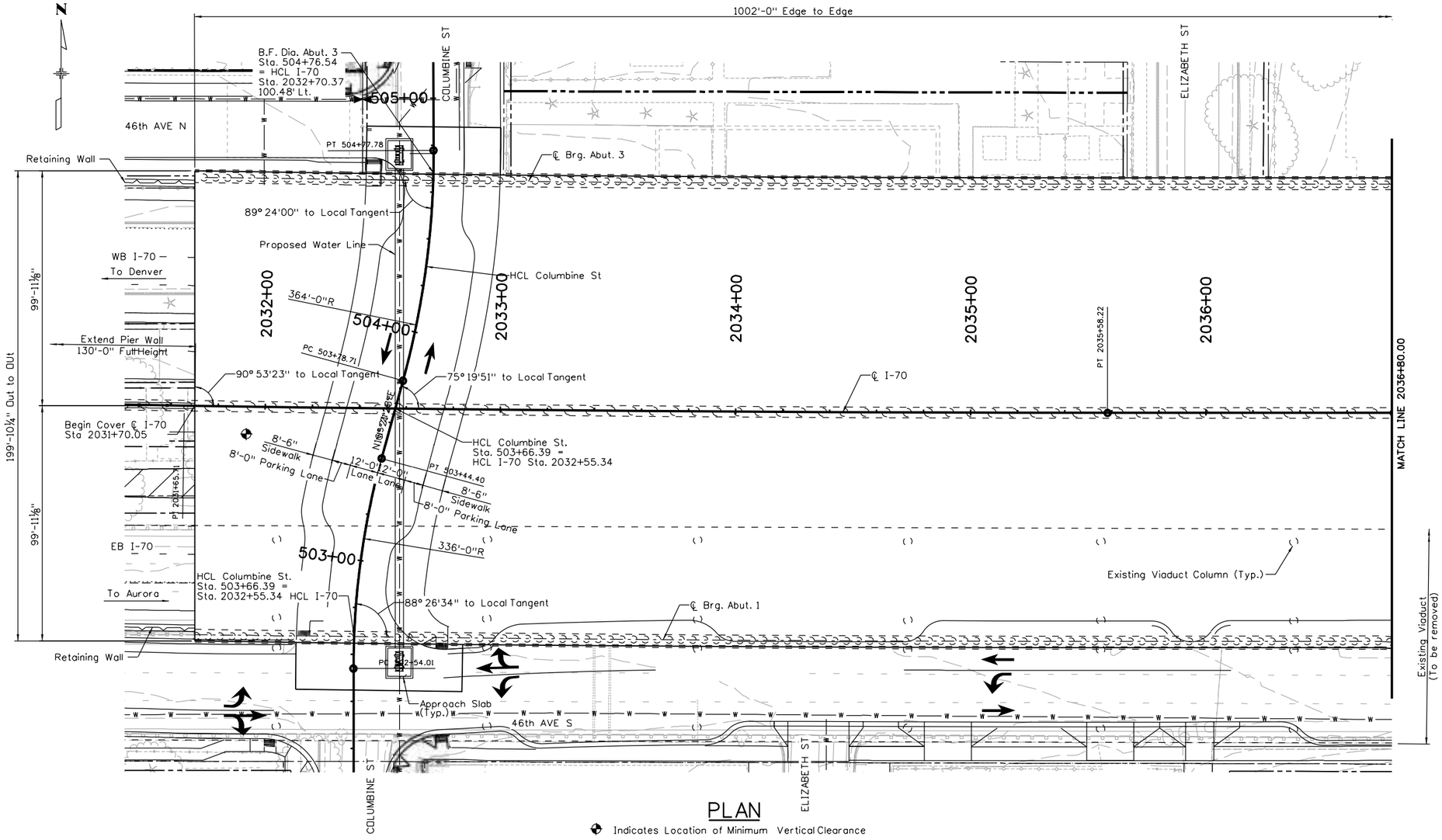
TYPICAL SECTION
(Looking Ahead Station)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
JOSEPHINE ST OVER I-70
TYPICAL SECTION

Designer: KMP	Structure Numbers	E-17-AEZ	Project No./Code: FBR 0704-2
Detailer: KMP			19631
Sheet Subset: Bridge	Subset Sheets:	11 of 51	Sheet Number 77



PLAN

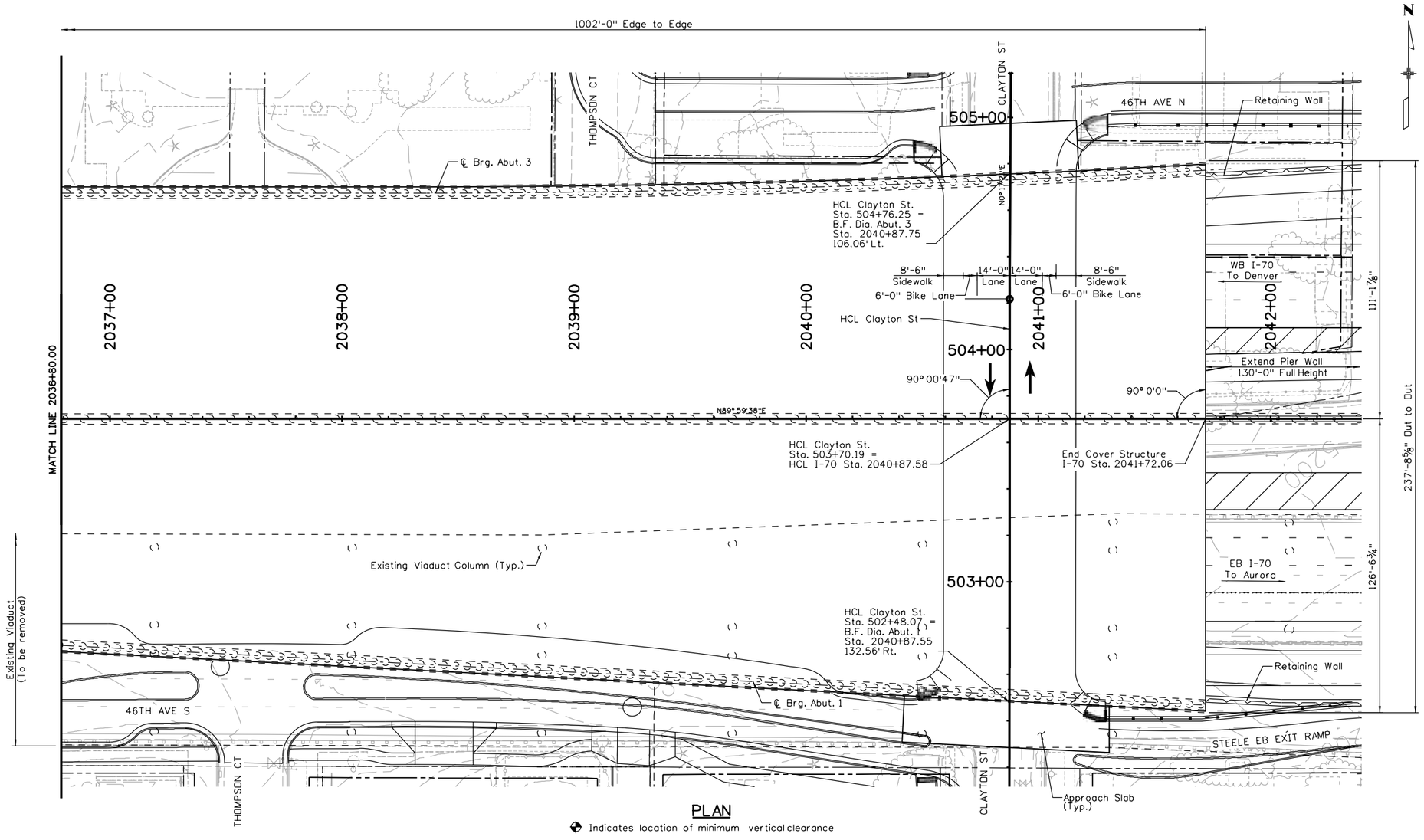
Indicates Location of Minimum Vertical Clearance

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
I-70 PARTIAL COVER STRUCTURE
GENERAL LAYOUT PLAN (1 OF 2)

Designer: KMP	Structure Numbers	E-17-AEL	Project No./Code
Detailer: KMP			FBR 0704-2
Sheet Subset: Bridge	Subset Sheets: 12 of 51		19631
			Sheet Number 78



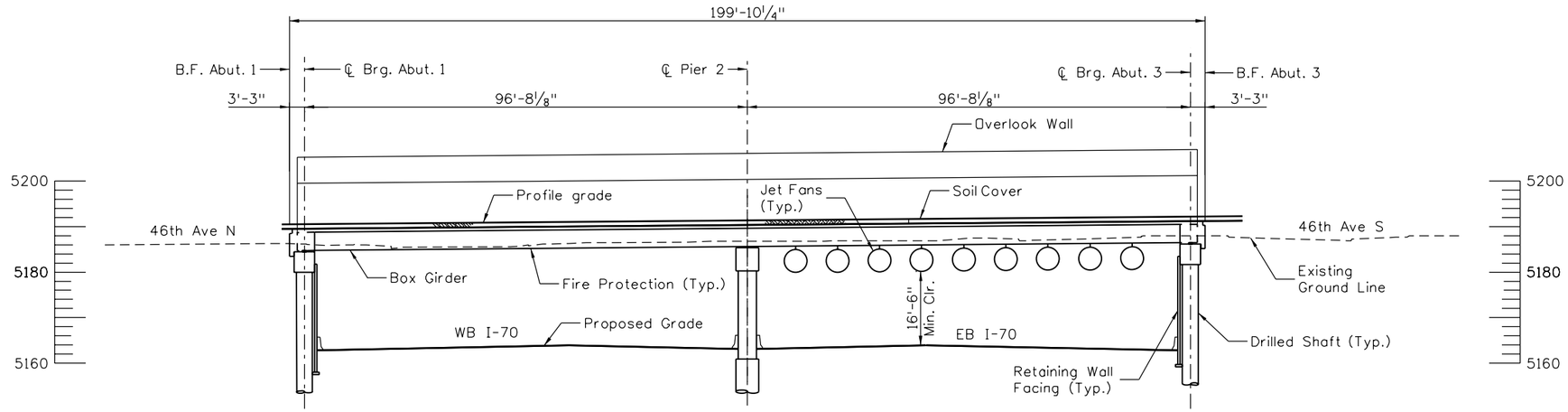
PLAN

◆ Indicates location of minimum vertical clearance

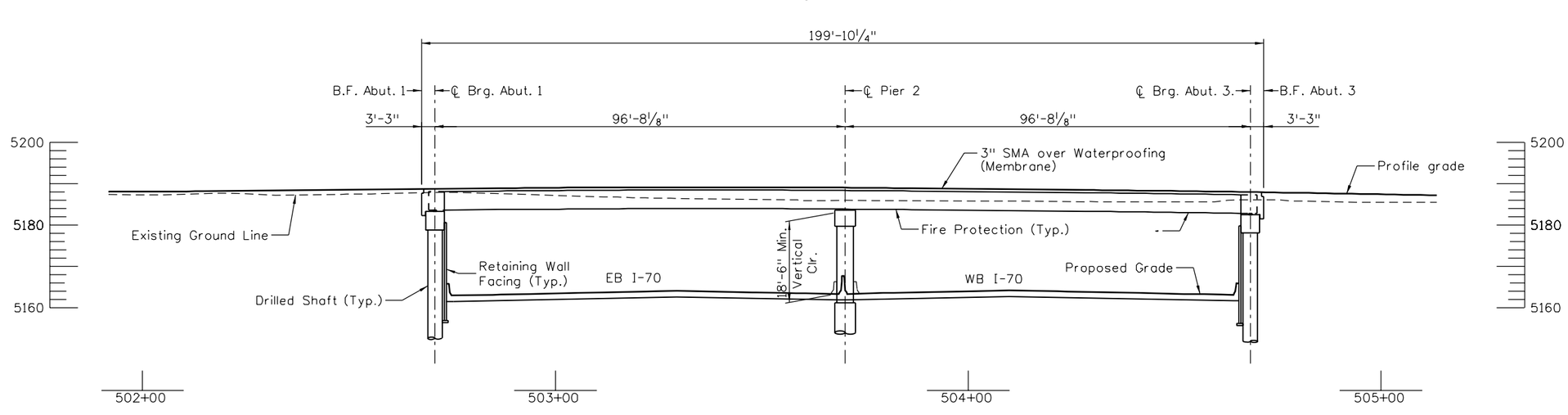
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 PARTIAL COVER STRUCTURE GENERAL LAYOUT PLAN (2 OF 2)			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AEL	19631
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 13 of 51		Sheet Number 79



SECTION
(Looking Ahead Station I-70)



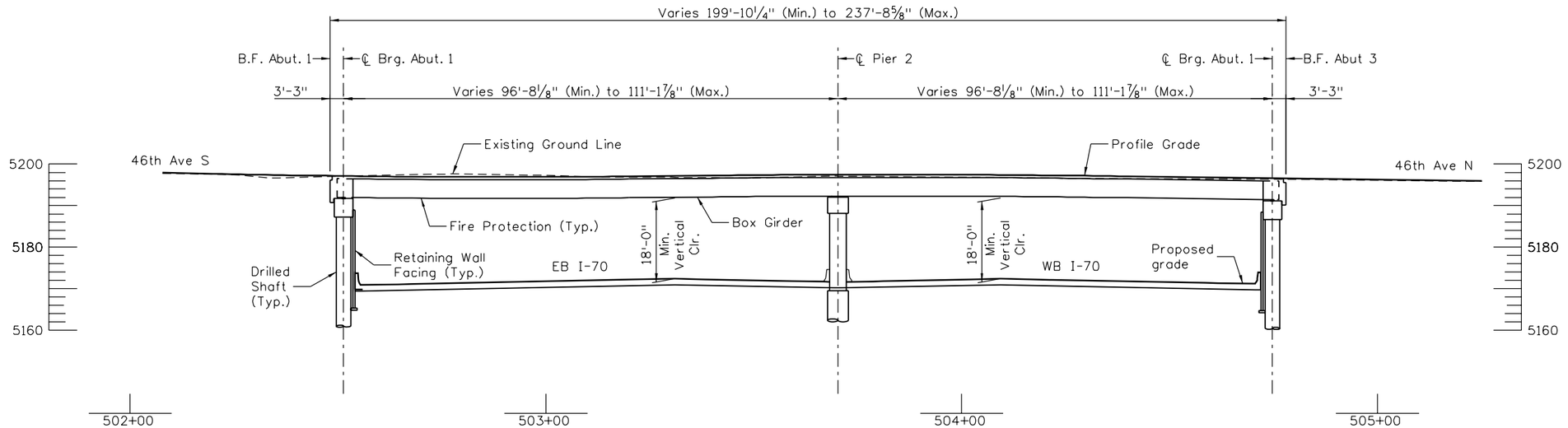
SECTION
(Taken along Columbine St. HCL)
(Looking Back Station I-70)

Kiewit meridiam PARTNERS

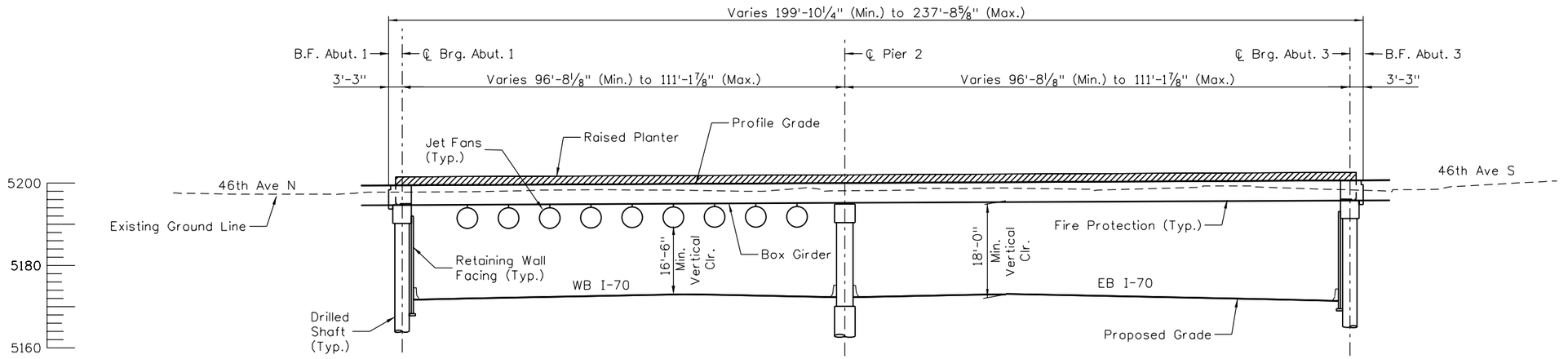
Central 70

CENTRAL 70
I-70 PARTIAL COVER STRUCTURE
GENERAL LAYOUT PROFILE (1 OF 2)

Designer: KMP	Structure Numbers	E-17-AEL	Project No./Code
Detailer: KMP			FBR 0704-2
Sheet Subset: Bridge	Subset Sheets: 14 of 51		19631
			Sheet Number 80



SECTION
(Taken along Clayton St. HCL)
(Looking Back Station I-70)



SECTION
(Looking Ahead Station)

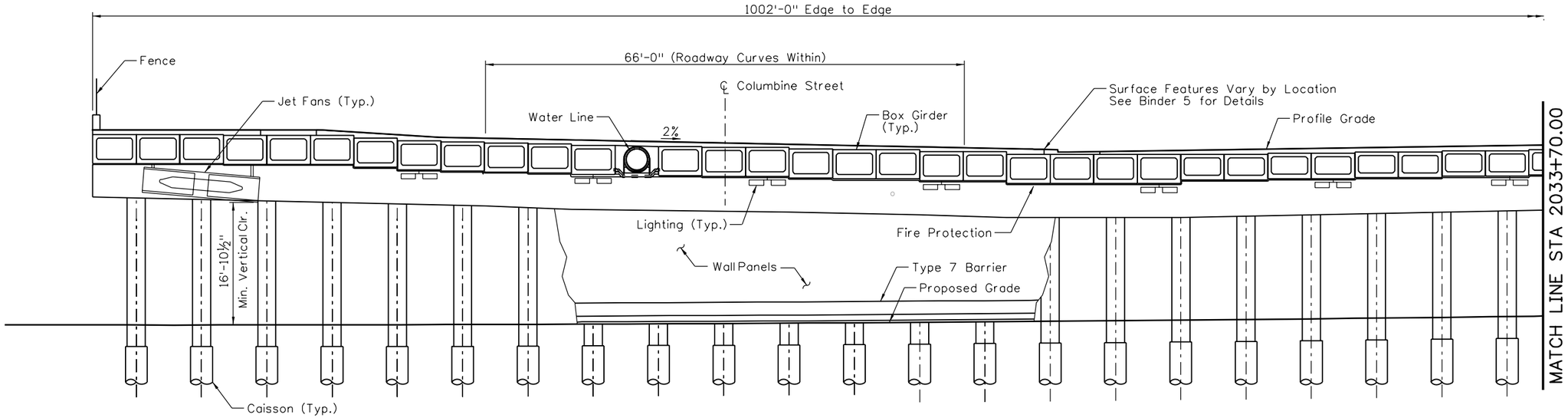
Kiewit meridiam PARTNERS

Central 70

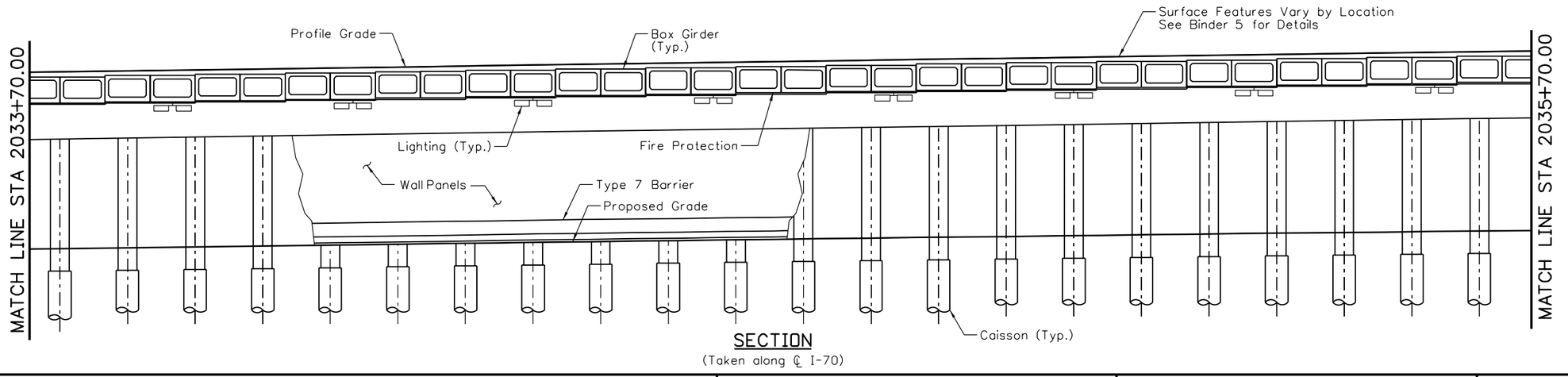
CENTRAL 70
I-70 PARTIAL COVER STRUCTURE
GENERAL LAYOUT PROFILE (2 OF 2)

Designer: KMP	Structure Numbers	E-17-AEL
Detailer: KMP		
Sheet Subset: Bridge	Subset Sheets: 15 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 81



SECTION
(Taken along ℄ I-70)



SECTION
(Taken along ℄ I-70)

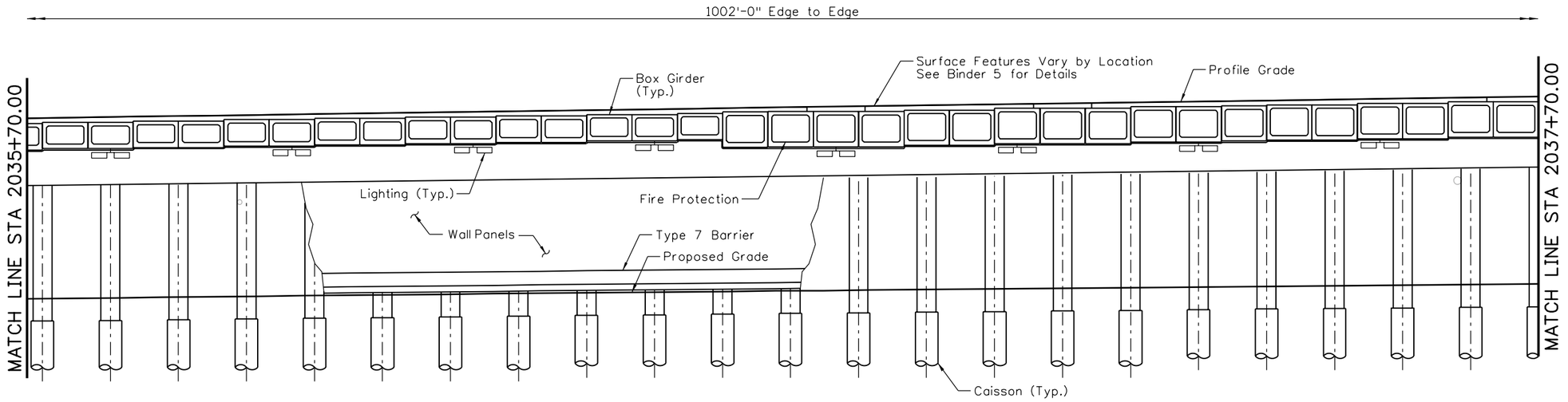
Kiewit meridiam PARTNERS

Central 70

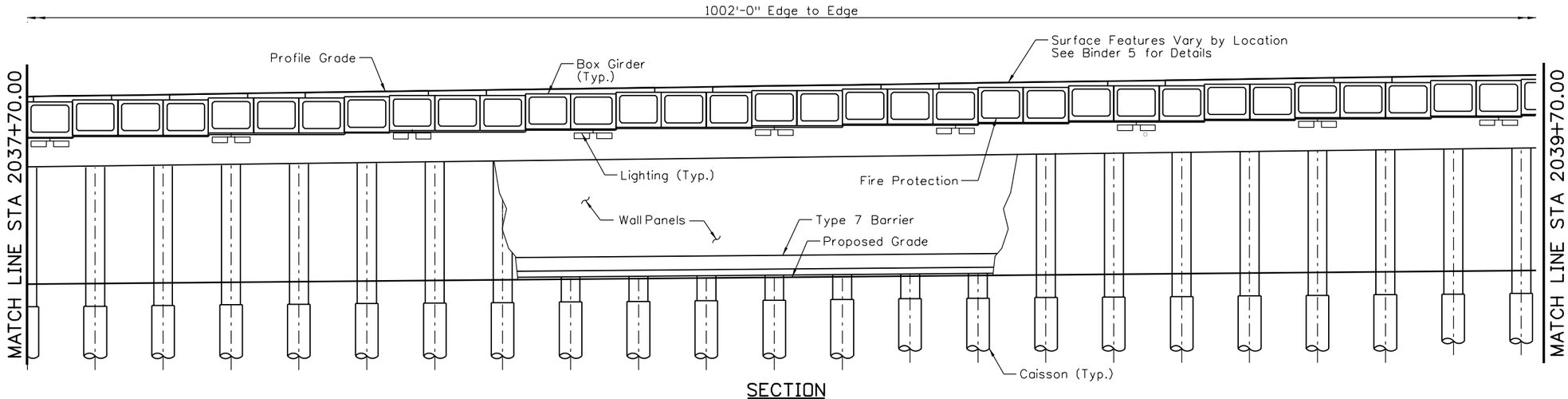
CENTRAL 70
I-70 PARTIAL COVER STRUCTURE
TYPICAL SECTION (1 OF 3)

Designer: KMP	Structure Numbers	E-17-AEL	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	16 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 82



SECTION
(Taken along ℄ I-70)



SECTION
(Taken along ℄ I-70)

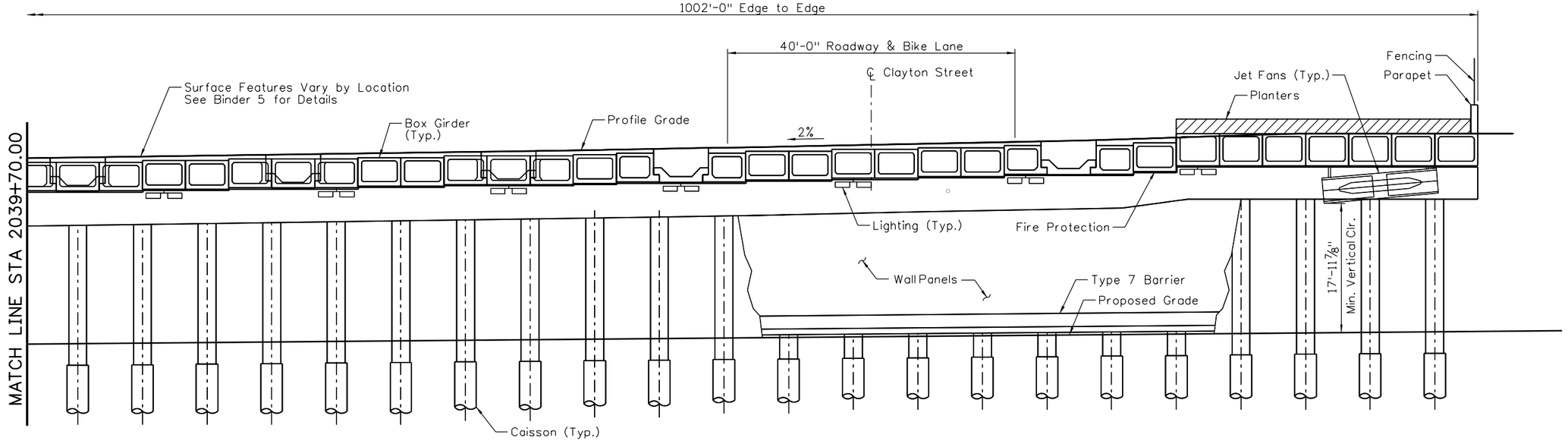
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
I-70 PARTIAL COVER STRUCTURE
TYPICAL SECTION (2 OF 3)

Designer: KMP	Structure Numbers	E-17-AEL	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	17 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 83



SECTION
(Taken along ℄ I-70)

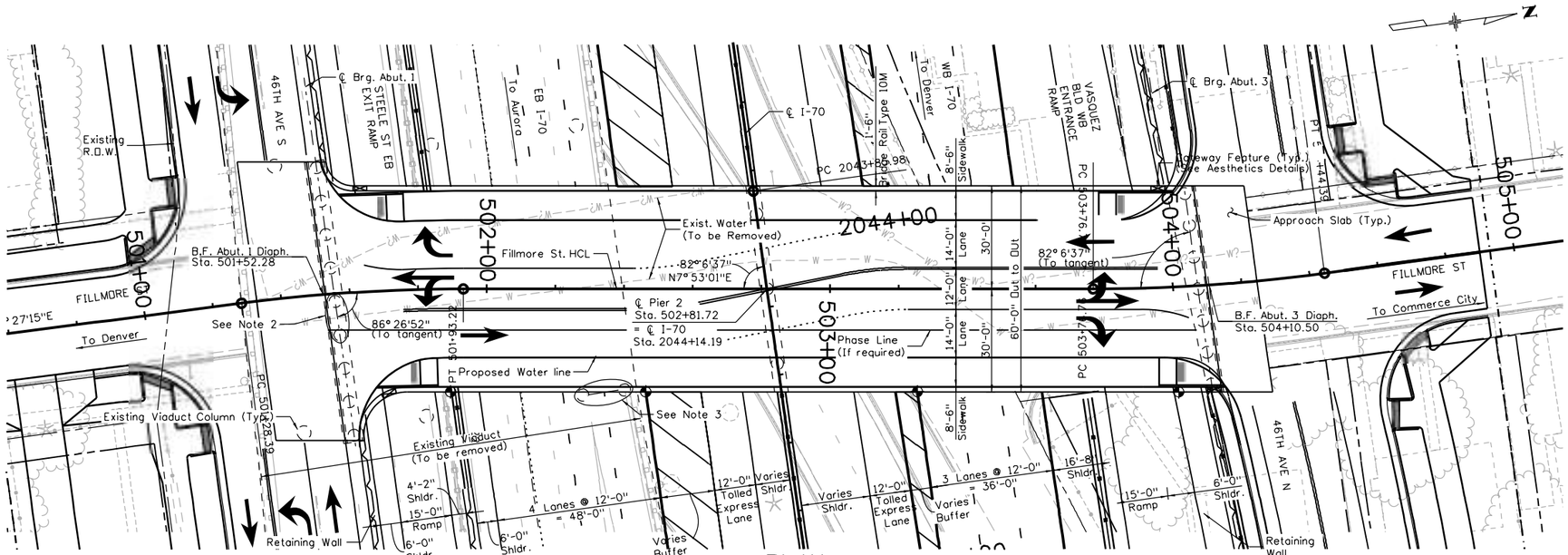
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
I-70 PARTIAL COVER STRUCTURE
TYPICAL SECTION (3 OF 3)

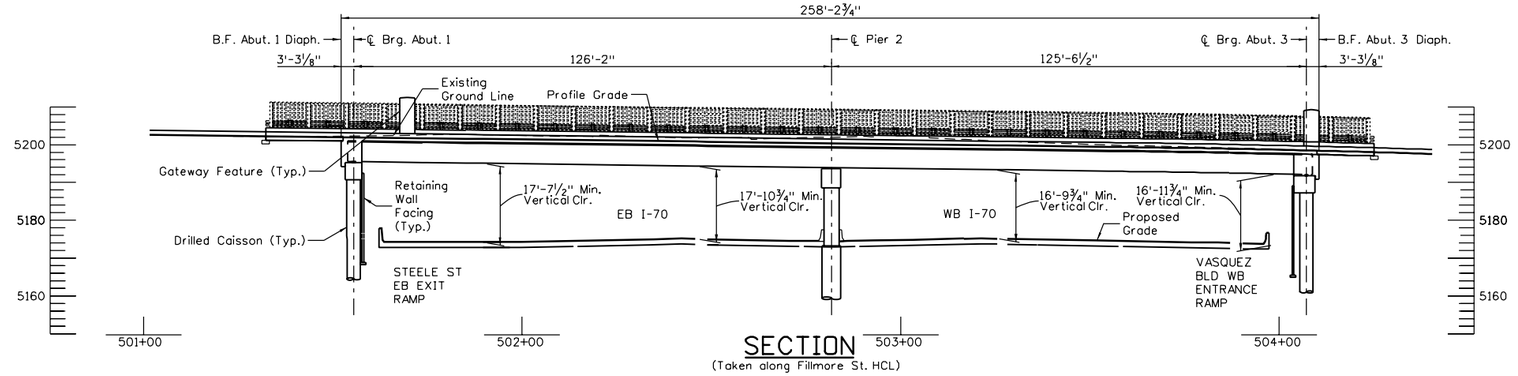
Designer: KMP	Structure Numbers	E-17-AEL	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 18 of 51		

Project No./Code
FBR 0704-2
19631
Sheet Number 84



PLAN

● Indicates location of minimum vertical clearance



SECTION

(Taken along Fillmore St. HCL)

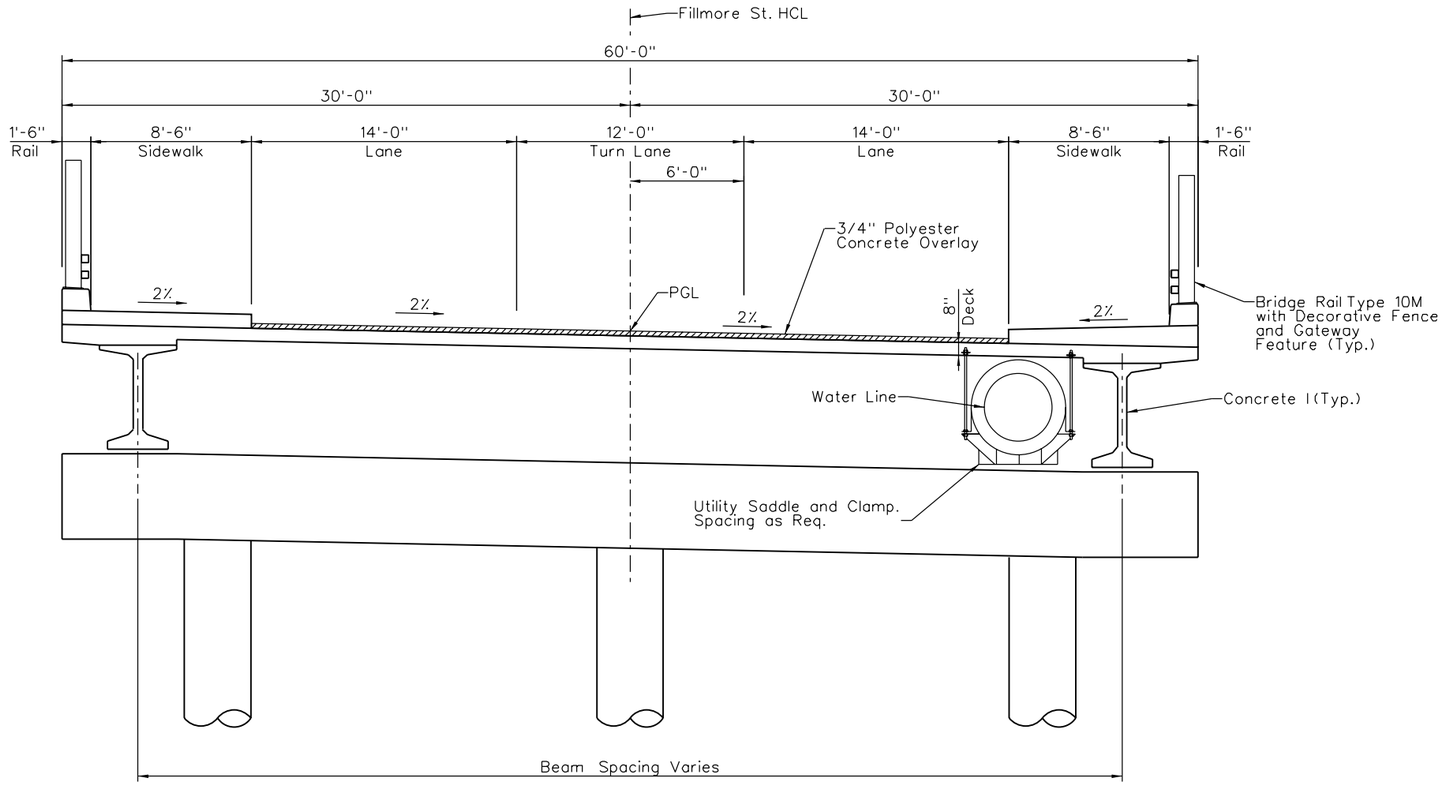
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
FILLMORE ST OVER I-70
GENERAL LAYOUT - PLAN AND PROFILE

Designer: KMP	Structure Numbers	E-17-AEN	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	19 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 85



TYPICAL SECTION
(Looking Ahead Station)

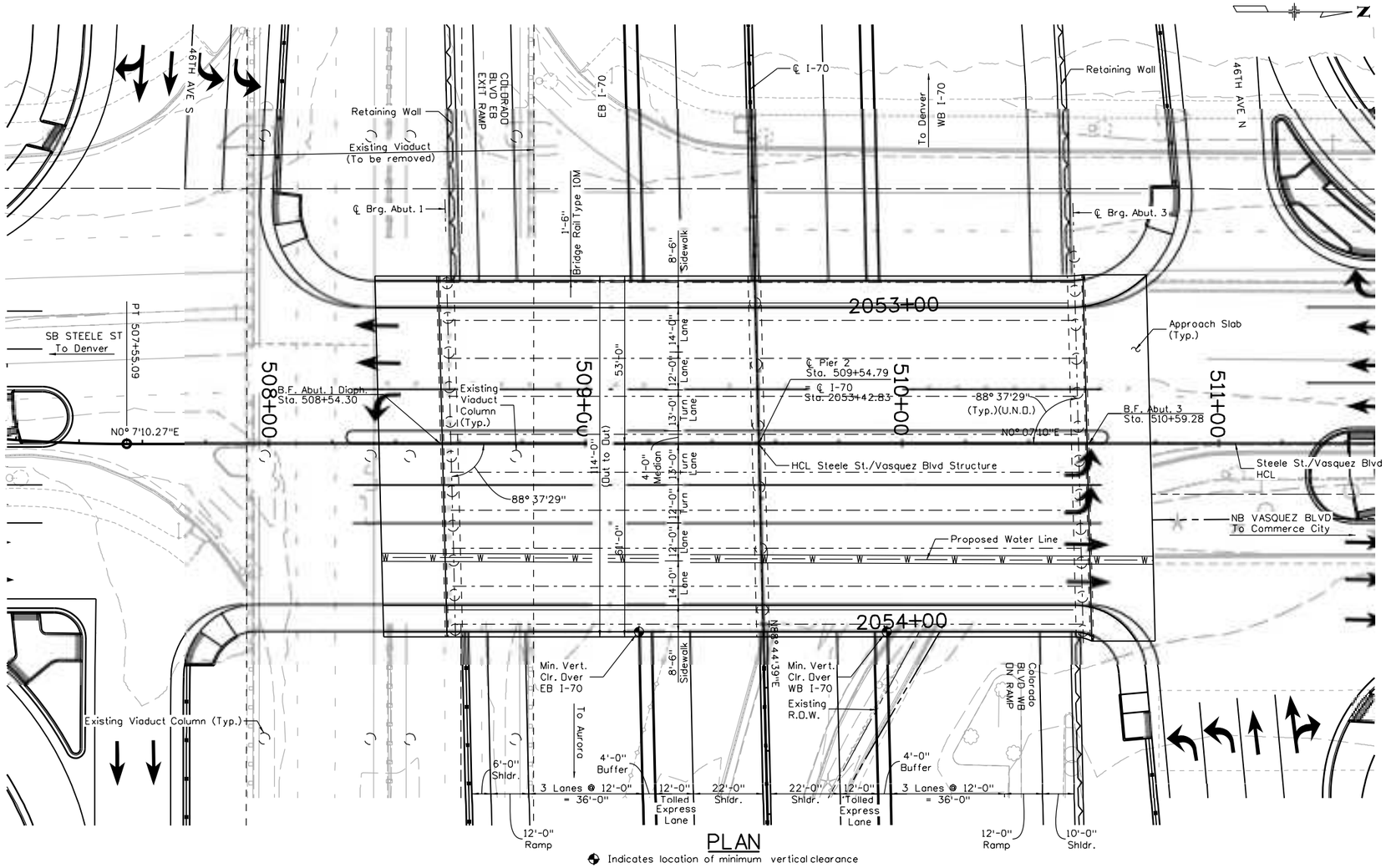
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
FILLMORE ST OVER I-70
TYPICAL SECTION

Designer: KMP	Structure Numbers	E-17-AEN	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	20 of 51	

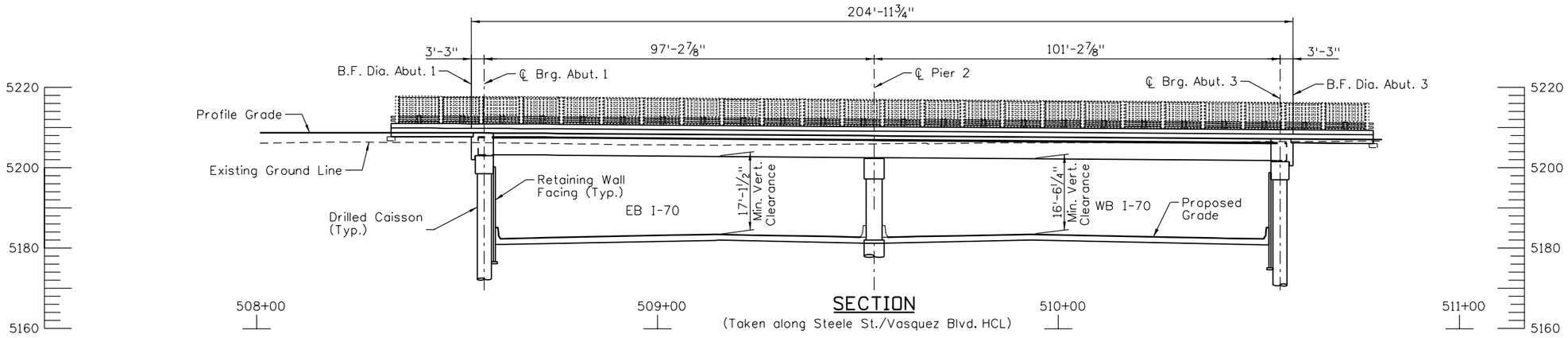
Project No./Code
FBR 0704-2
19631
Sheet Number 86



Kiewit meridiam PARTNERS

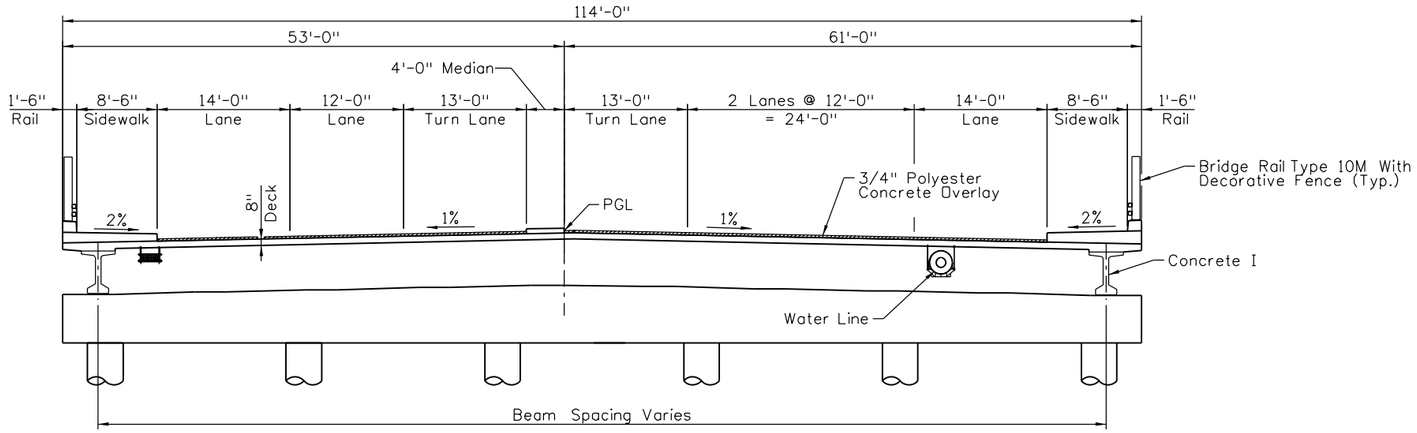
Central 70

CENTRAL 70 STEELE ST/VASQUEZ BLVD OVER I-70 GENERAL LAYOUT PLAN			Project No./Code
Designer: KMP	Structure Numbers	E-17-AEO	FBR 0704-2
Detailer: KMP			19631
Sheet Subset: Bridge	Subset Sheets: 21 of 51		Sheet Number 87



SECTION

(Taken along Steele St./Vasquez Blvd. HCL)



TYPICAL SECTION

Looking Ahead Station

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
STEELE ST/VASQUEZ BLVD
OVER I-70 GENERAL LAYOUT PROFILE

Designer: KMP	Structure Numbers	E-17-AEO
Detailer: KMP		
Sheet Subset: Bridge	Subset Sheets: 22 of 51	

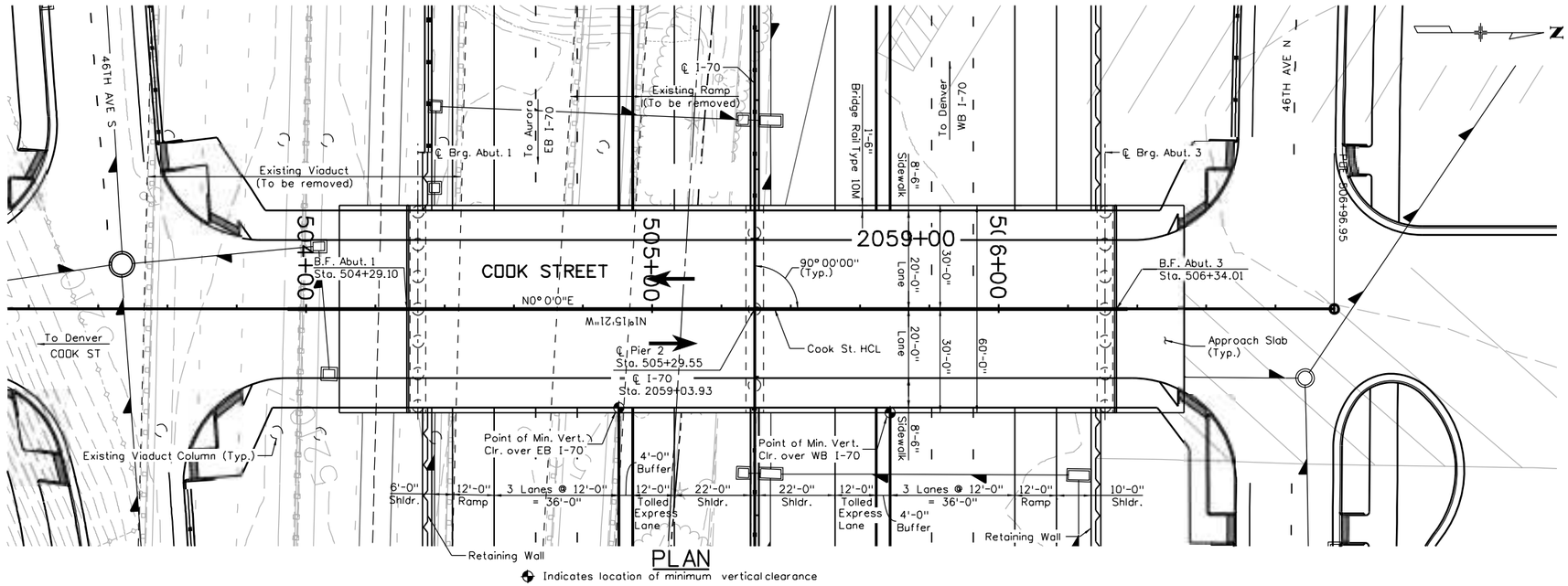
Project No./Code

FBR 0704-2

19631

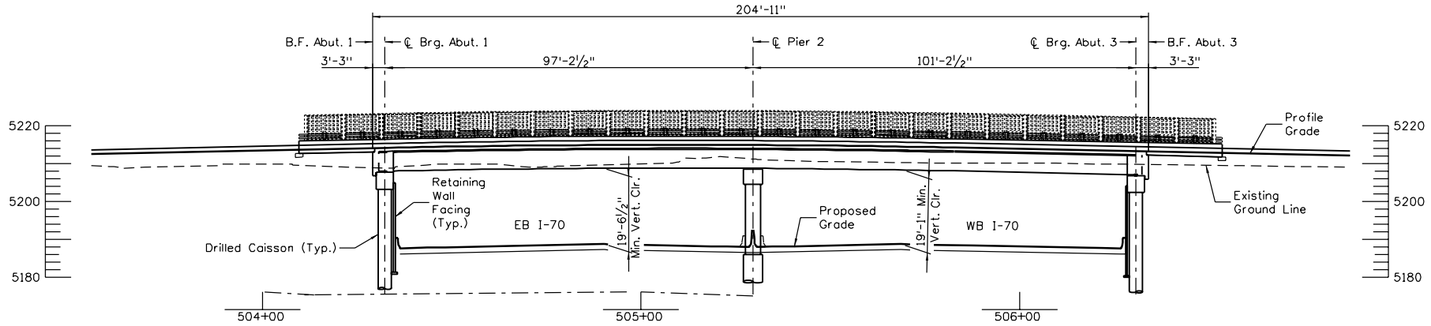
Sheet Number 88

As Noted



PLAN

Indicates location of minimum vertical clearance



SECTION

(Taken along Cook St. HCL)

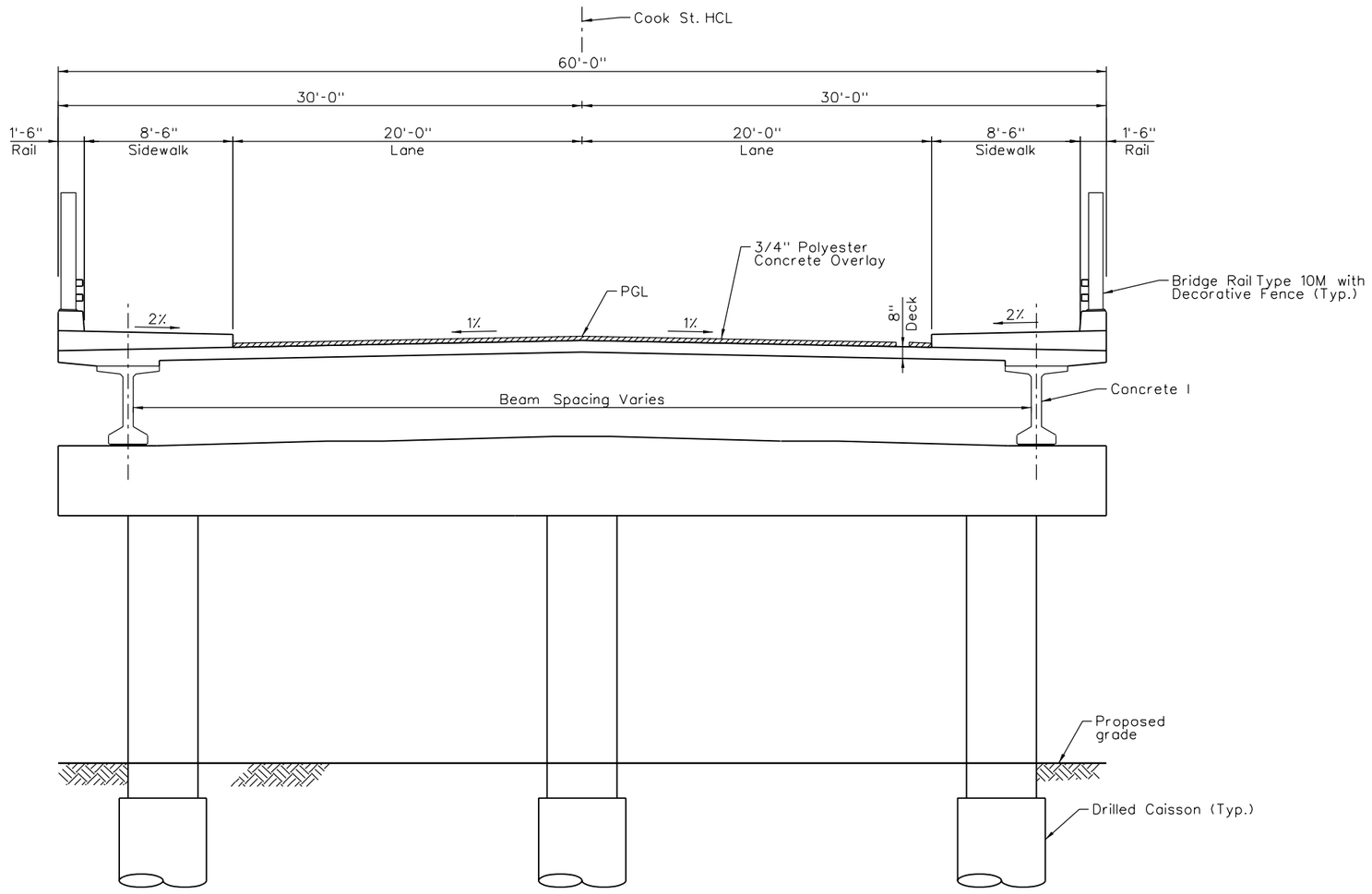
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
COOK ST OVER I-70
GENERAL LAYOUT - PLAN AND PROFILE

Designer: KMP	Structure Numbers	E-17-AEP	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 23 of 51		

Project No./Code
FBR 0704-2
19631
Sheet Number 89

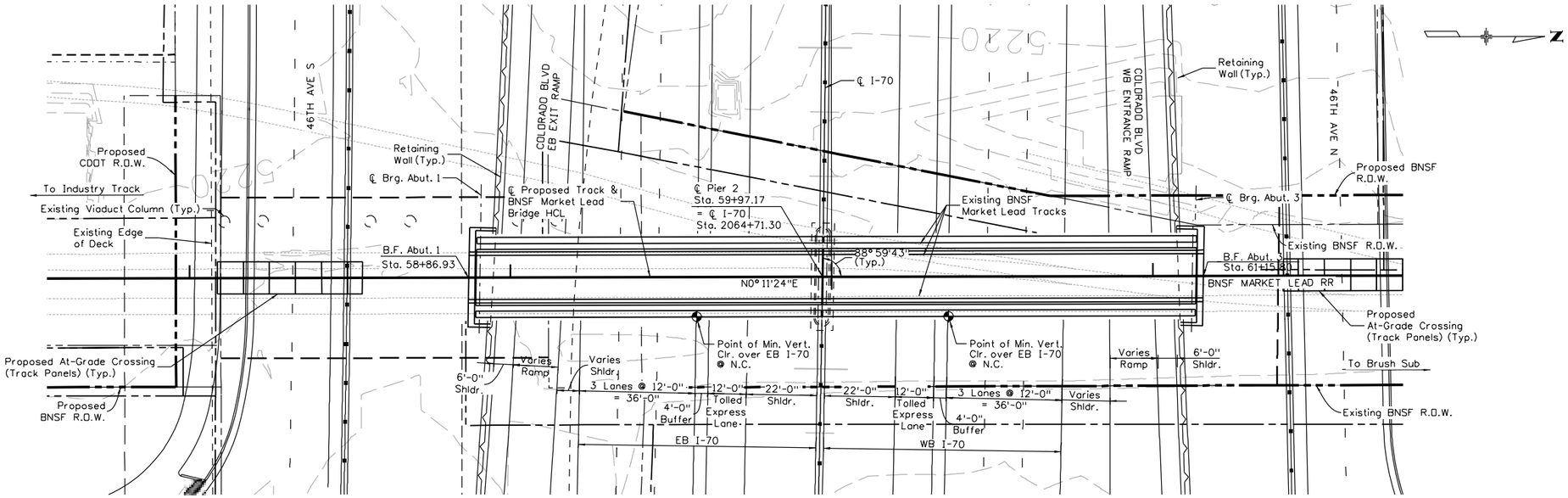


TYPICAL SECTION
(Looking Ahead Station)

Kiewit meridiam PARTNERS

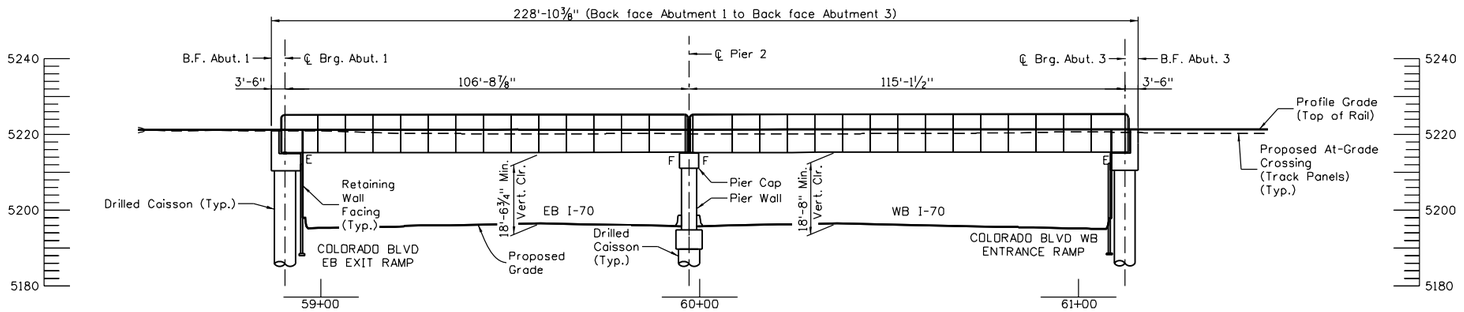
Central 70

CENTRAL 70 COOK ST OVER I-70 TYPICAL SECTION			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AEP	19631
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 24 of 51		Sheet Number 90



PLAN

℄ Indicates location of minimum vertical clearance



SECTION

(Taken along ℄ Proposed Track & BNSF RLW Sand Lead Bridge HCL)
(Deck plate and floorbeams not shown for clarity)

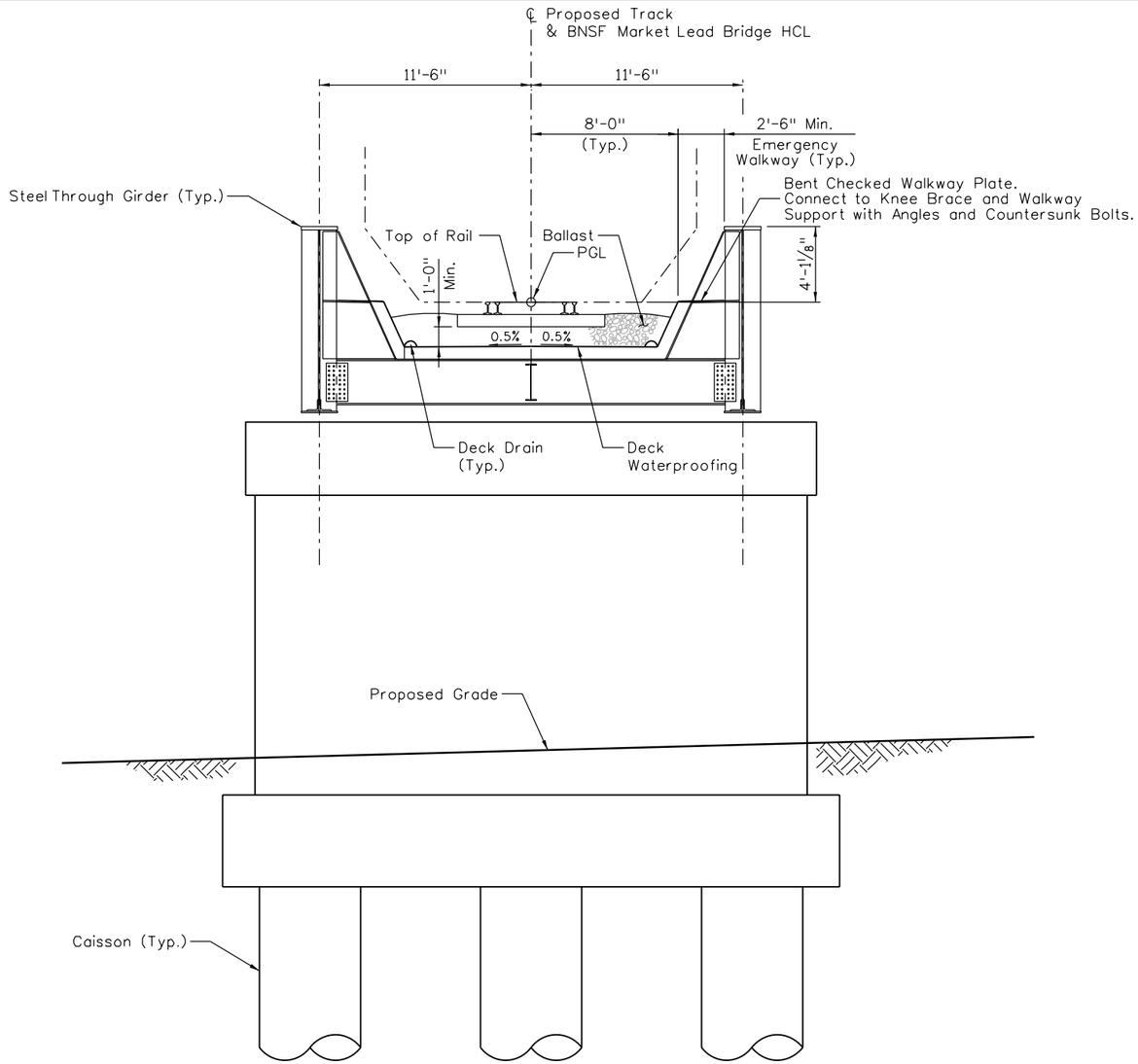
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
BNSF MARKET LEAD OVER I-70
GENERAL LAYOUT - PLAN AND PROFILE

Designer: KMP	Structure Numbers	E-17-AFA	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	25 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 91



TYPICAL SECTION
(Looking Ahead Station)

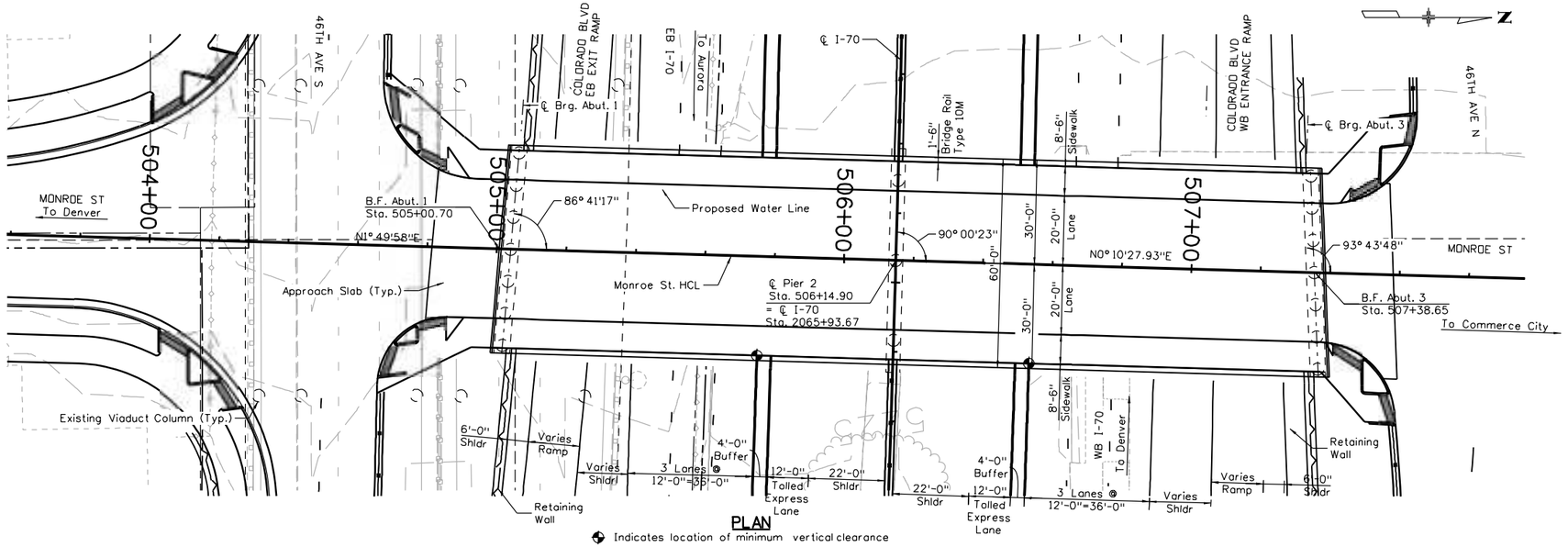
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
BNSF MARKET LEAD OVER I-70
TYPICAL SECTION

Designer: KMP	Structure Numbers	E-17-AFA	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 26 of 51		

Project No./Code
FBR 0704-2
19631
Sheet Number 92

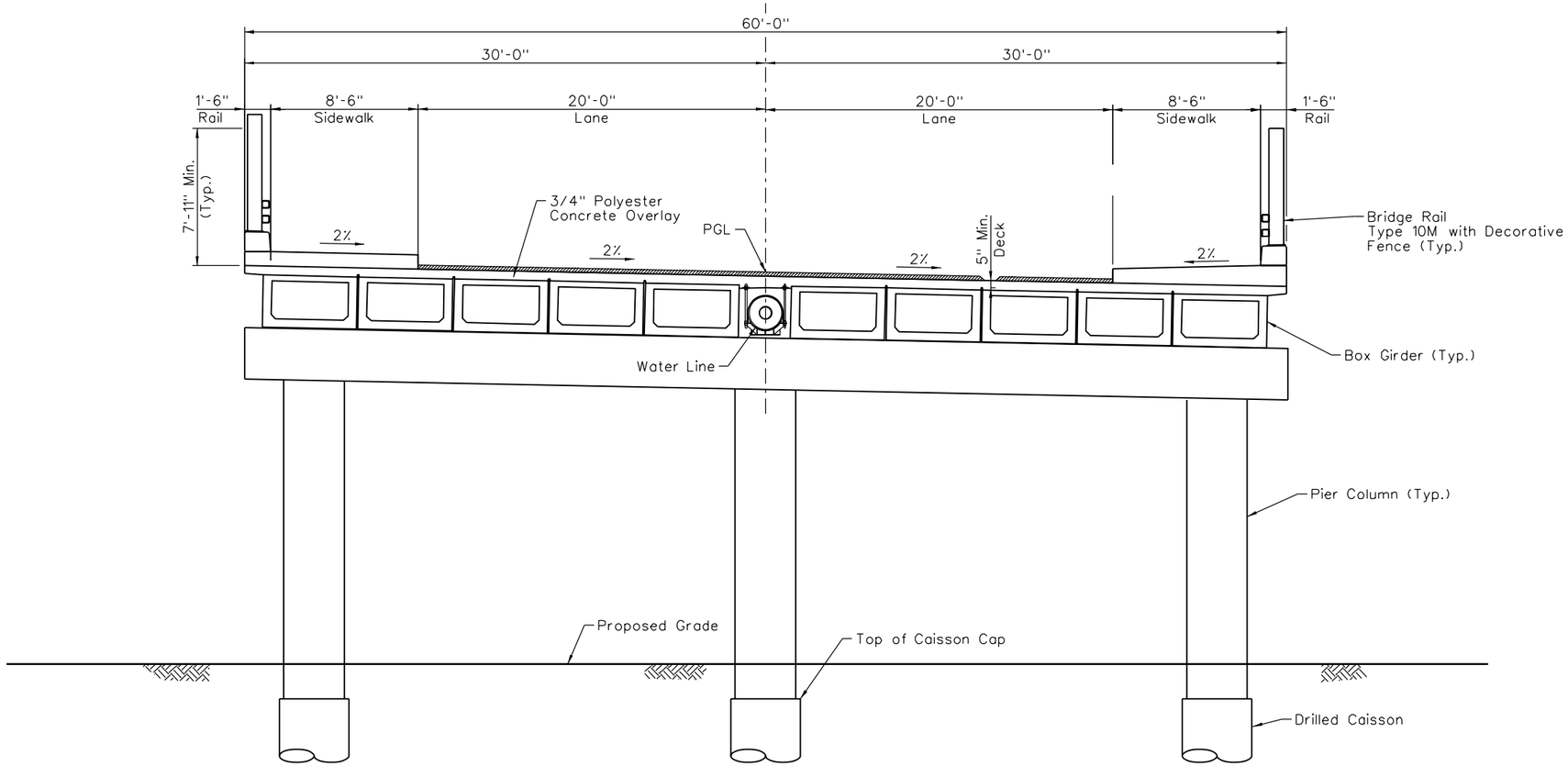


SECTION
(Taken along Monroe St. HCL)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 MONROE ST OVER I-70 GENERAL LAYOUT - PLAN AND PROFILE			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AFC	19631
Detailer: KMP			Sheet Number 93
Sheet Subset: Bridge	Subset Sheets:	27 of 51	



TYPICAL SECTION
(Looking Ahead Station)

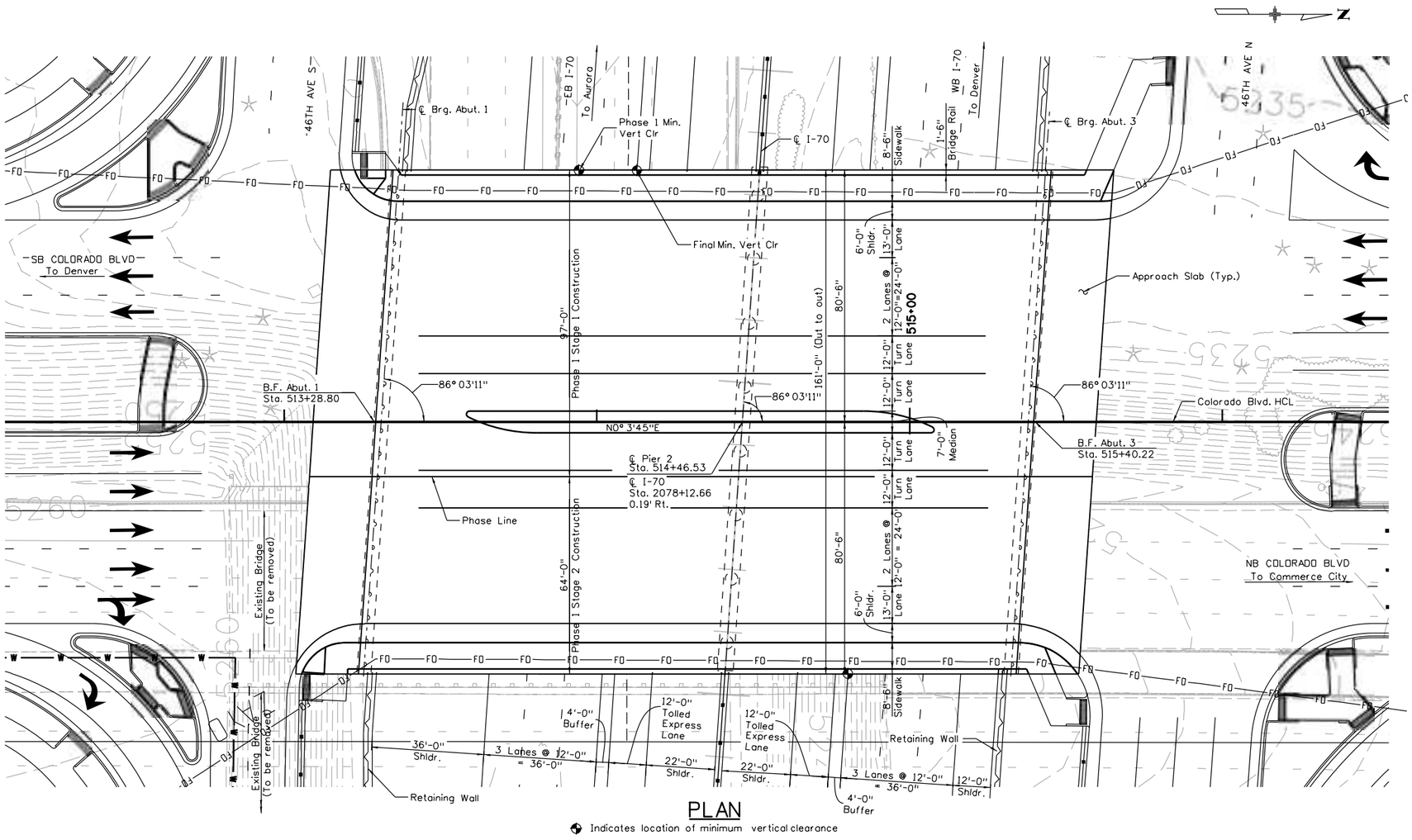
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
MONROE ST OVER I-70
TYPICAL SECTION

Designer: KMP	Structure Numbers	E-17-AFC
Detailer: KMP		
Sheet Subset: Bridge	Subset Sheets:	28 of 51

Project No./Code
FBR 0704-2
19631
Sheet Number 94



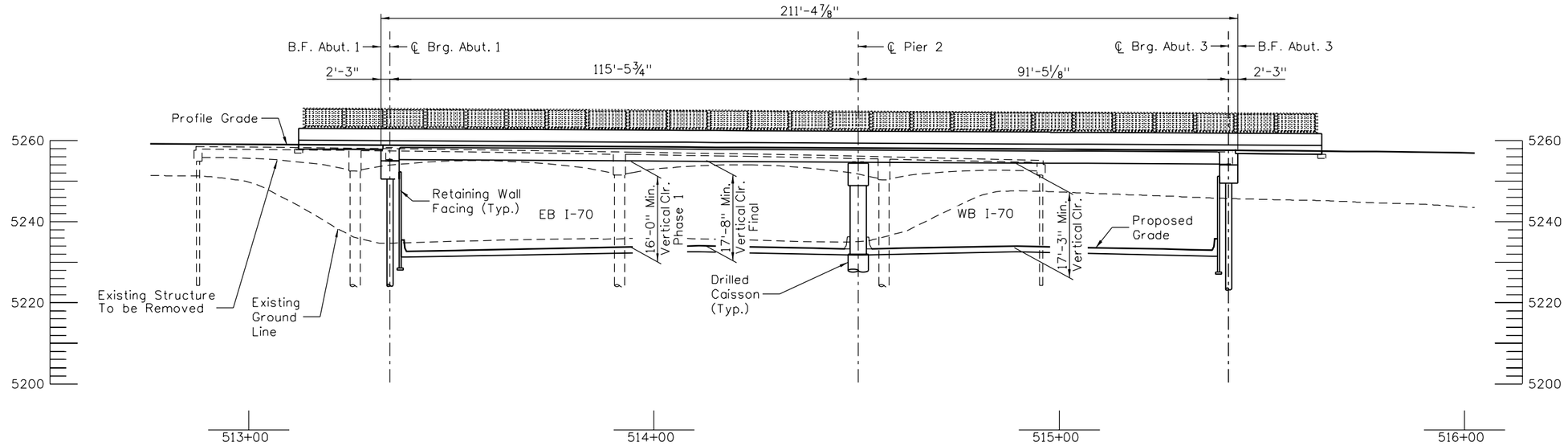
PLAN

Indicates location of minimum vertical clearance

Kiewit meridiam PARTNERS

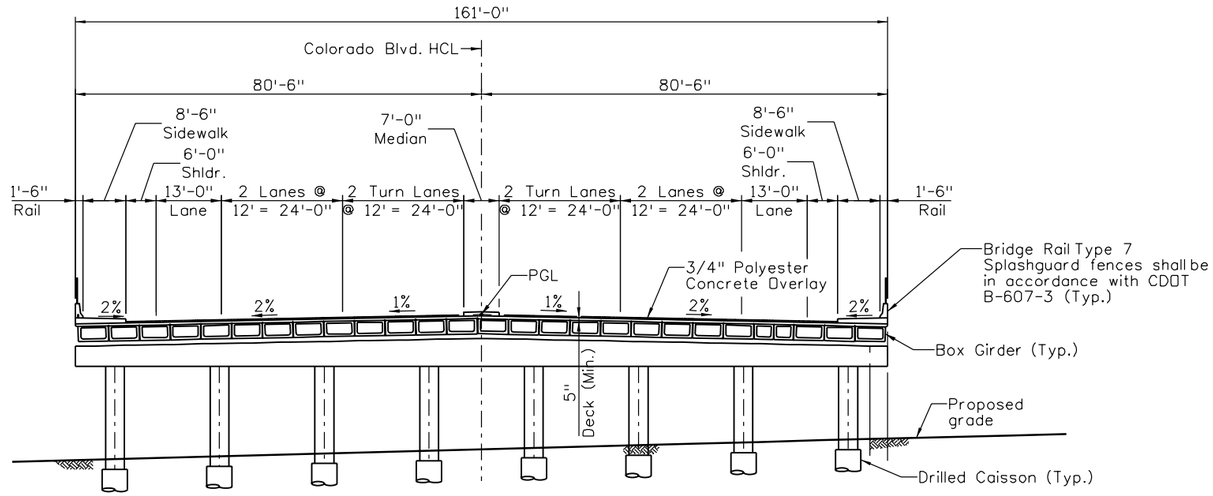
Central 70

CENTRAL 70 COLORADO BLVD OVER I-70 GENERAL LAYOUT PLAN			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AFD	19631
Detailer: KMP			Sheet Number 95
Sheet Subset: Bridge	Subset Sheets:	29 of 51	



SECTION

(Taken along Colorado Blvd. HCL)



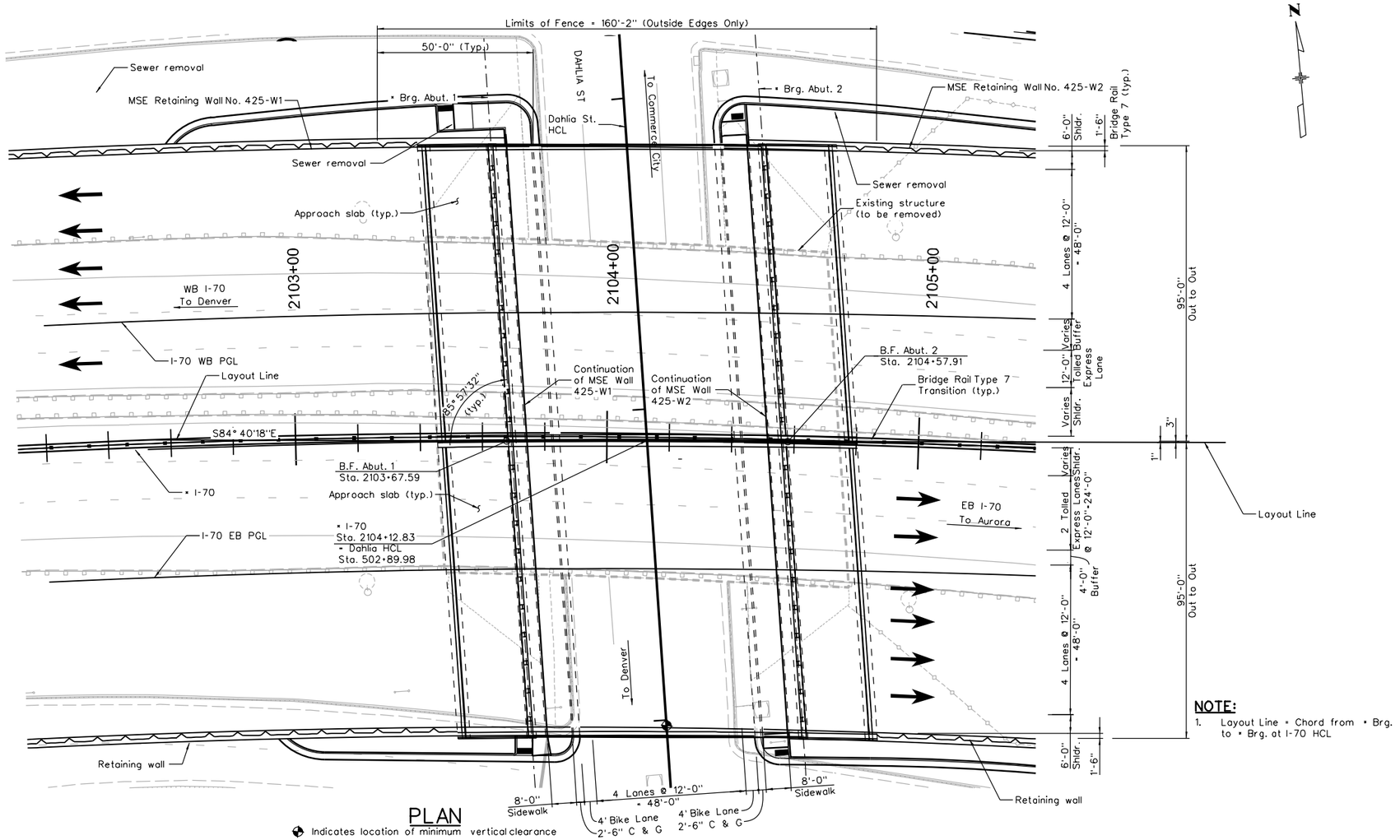
TYPICAL SECTION

(Looking Ahead Station)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 COLORADO BLVD OVER I-70 GENERAL LAYOUT PROFILE AND TYP SECTION			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AFD	19631
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 30 of 51		Sheet Number 96



PLAN

◆ Indicates location of minimum vertical clearance

NOTE:

1. Layout Line ▪ Chord from ▪ Brg. to ▪ Brg. at I-70 HCL

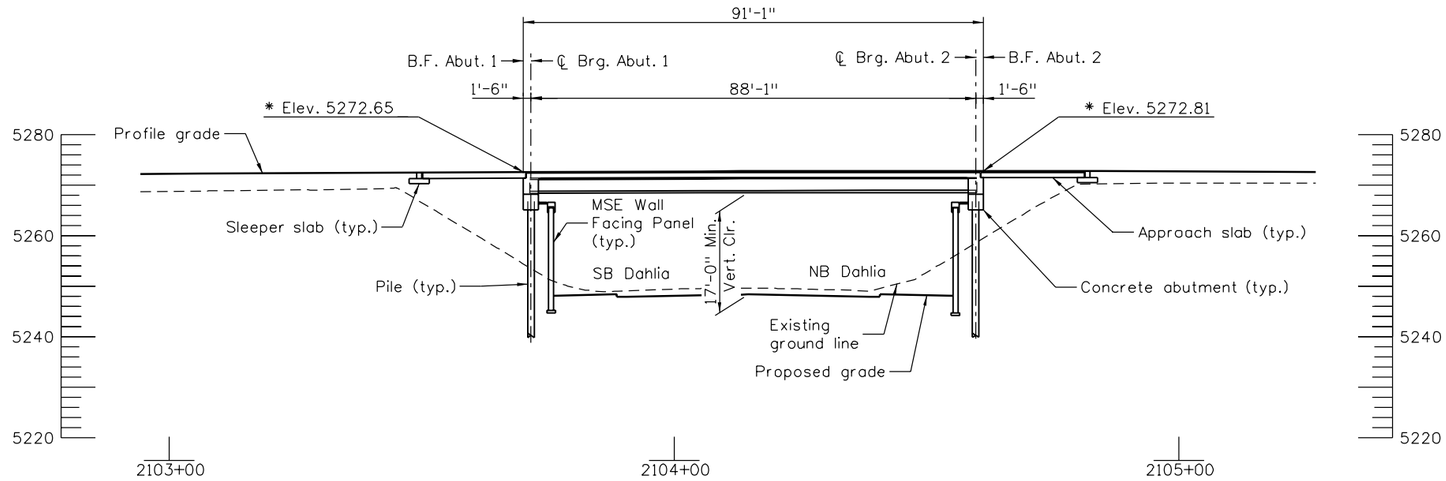
Kiewit meridiam PARTNERS

Central 70

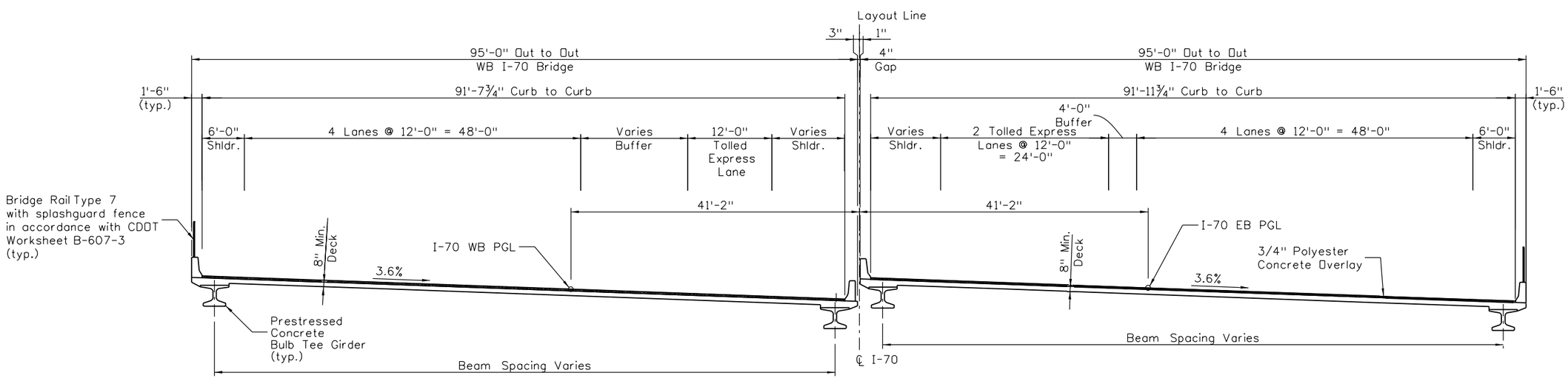
CENTRAL 70
I-70 BRIDGE OVER DAHLIA ST
GENERAL LAYOUT PLAN

Designer: KMP	Structure Numbers	E-17-AFF	
Detailer: KMP		E-17-AFG	
Sheet Subset: Bridge	Subset Sheets:	31 of 51	

Project No./Code	
FBR 0704-2	
19631	
Sheet Number	97



SECTION
(Taken along I-70 EB PGL)

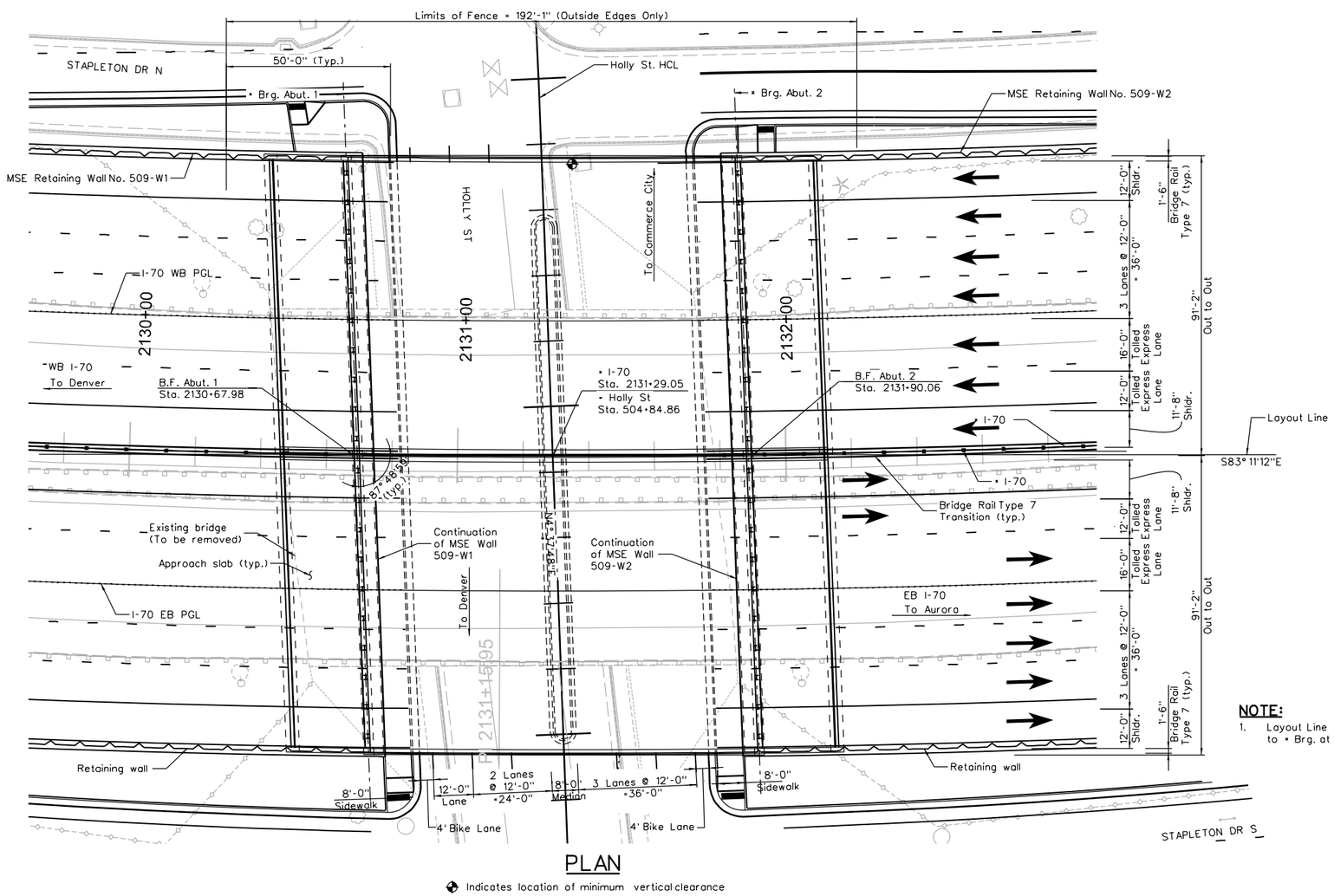


TYPICAL SECTION
(Looking ahead station)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 BRIDGE OVER DAHLIA ST GENERAL LAYOUT PROFILE AND TYP SECTION		Project No./Code FBR 0704-2
Designer: KMP	Structure Numbers: E-17-AFF	19631
Detailer: KMP	E-17-AFG	
Sheet Subset: Bridge	Subset Sheets: 32 of 51	Sheet Number 98



PLAN

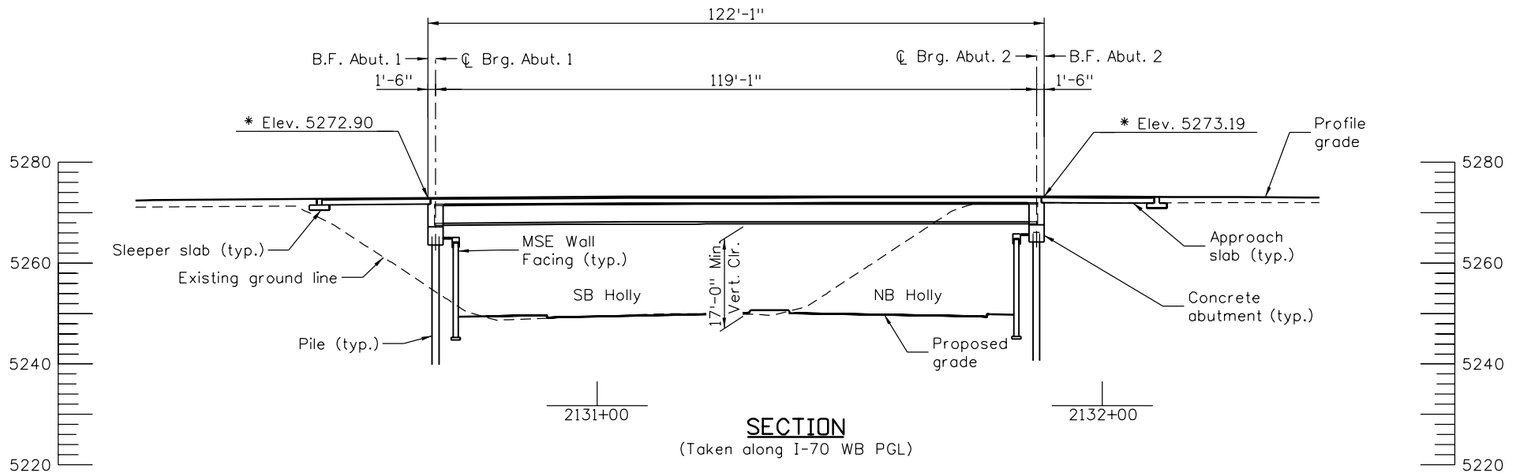
◆ Indicates location of minimum vertical clearance

Kiewit meridiam PARTNERS

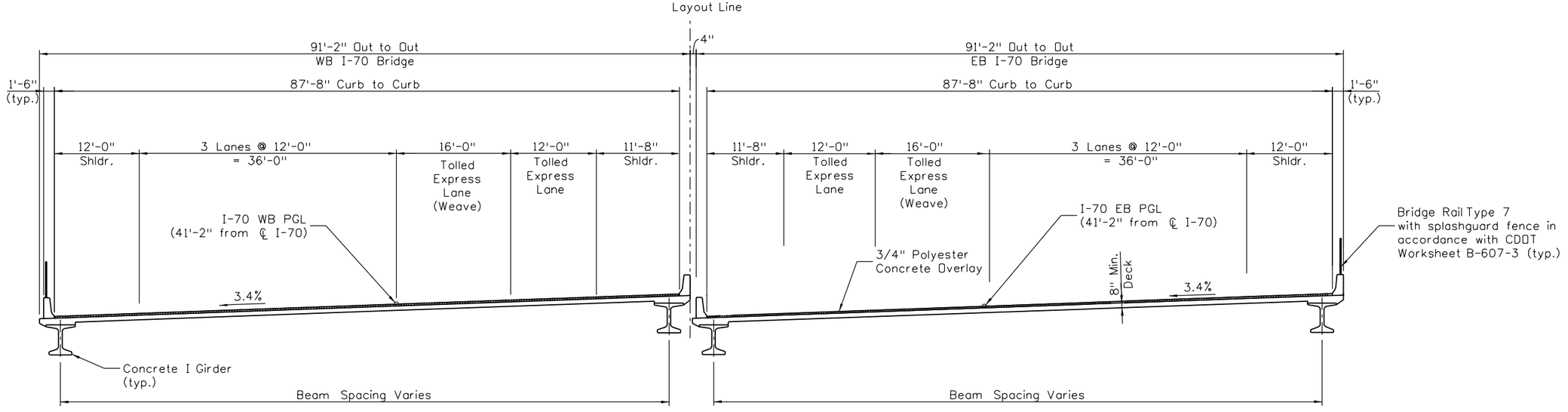
Central 70

CENTRAL 70 I-70 BRIDGE OVER HOLLY ST GENERAL LAYOUT PLAN			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AFH	19631
Detailer: KMP		E-17-AFI	
Sheet Subset: Bridge	Subset Sheets: 33 of 51		Sheet Number 99

martinezd 1:17:17 PM pw:\\projectwise.pbid.com:pwiseV8i\Documents\Central 70\Bridge\Drawings\CDOT Bridge Drawings Submittal\Drawings A\13599BRDG_HOLLY_GLTOta.dgn
5/12/2017



SECTION
(Taken along I-70 WB PGL)

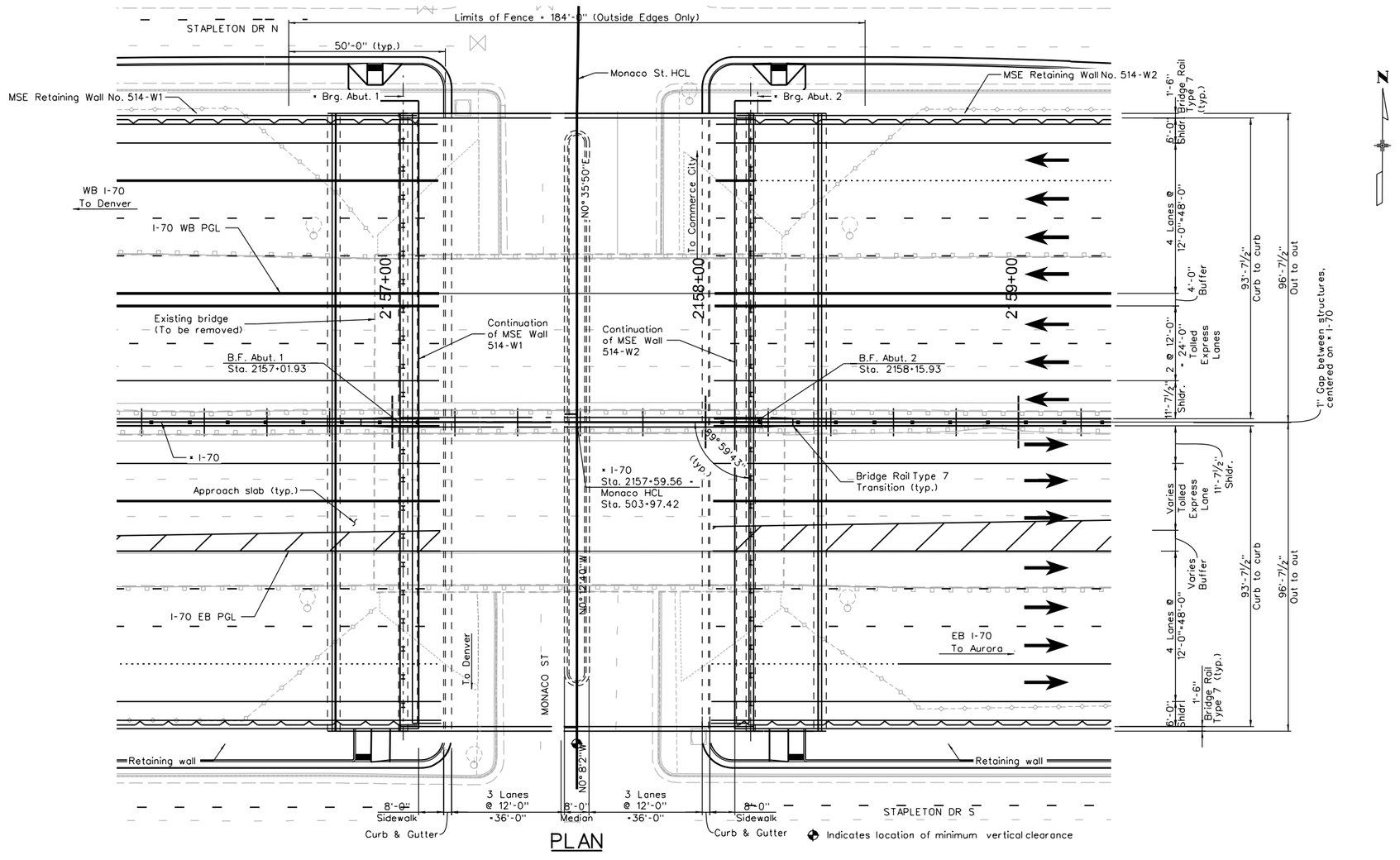


TYPICAL SECTION
(Looking Ahead Station)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 BRIDGE OVER HOLLY ST GENERAL LAYOUT PROFILE AND TYP SECTION			Project No./Code
			FBR 0704-2
			19631
Designer: KMP	Structure Numbers	E-17-AFH	Sheet Number 100
Detailer: KMP		E-17-AFI	
Sheet Subset: Bridge	Subset Sheets:	34 of 51	

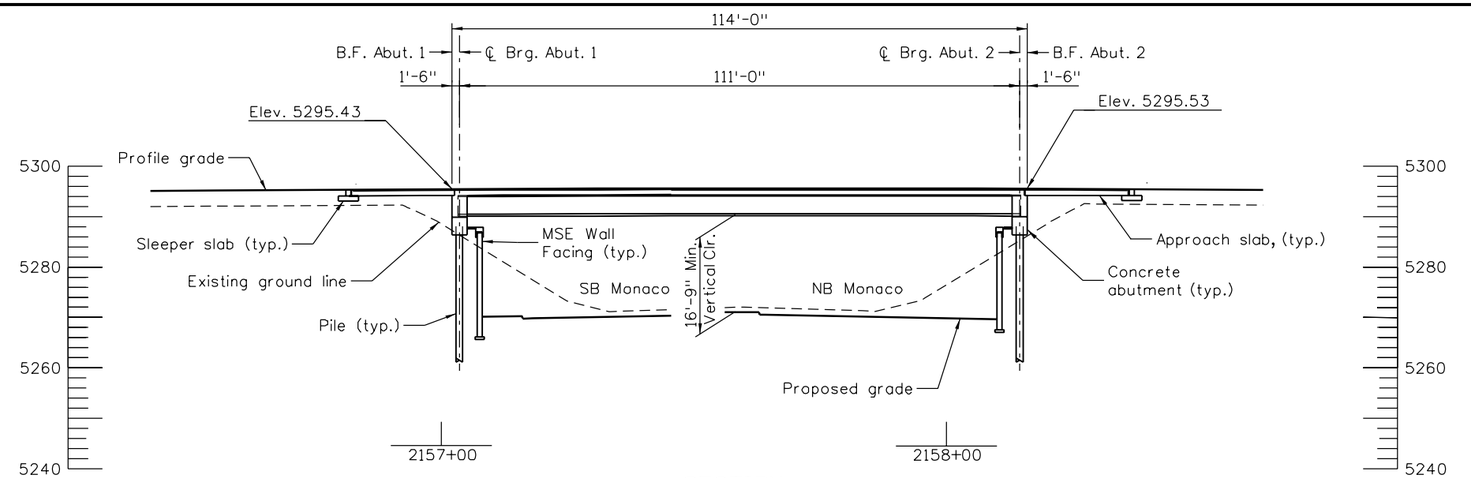


PLAN

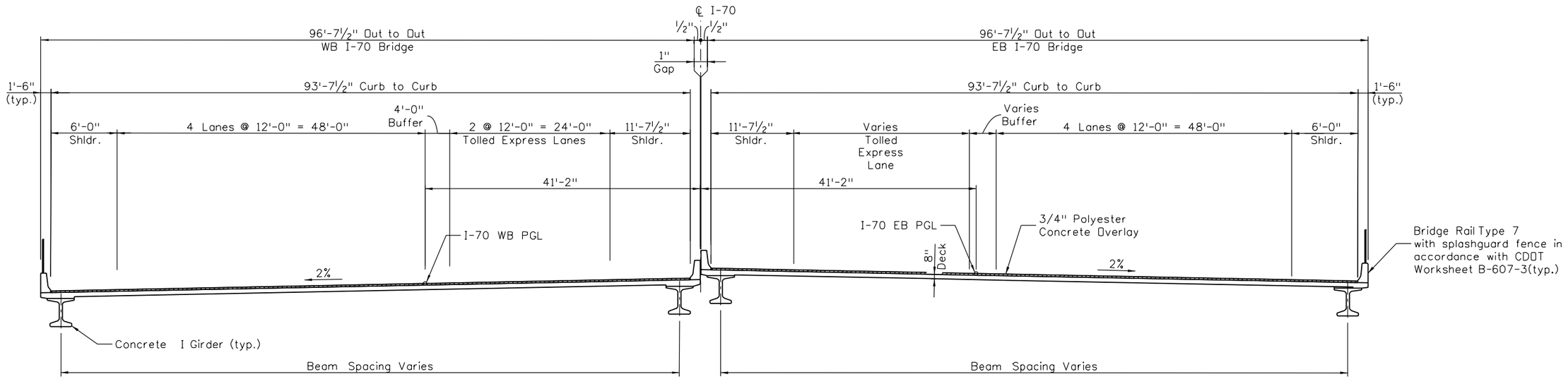
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 BRIDGE OVER MONACO ST GENERAL LAYOUT PLAN			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AFJ	19631
Detailer: KMP		E-17-AFK	
Sheet Subset: Bridge	Subset Sheets: 35 of 51		Sheet Number 101



SECTION
(Taken along I-70 EB PGL)

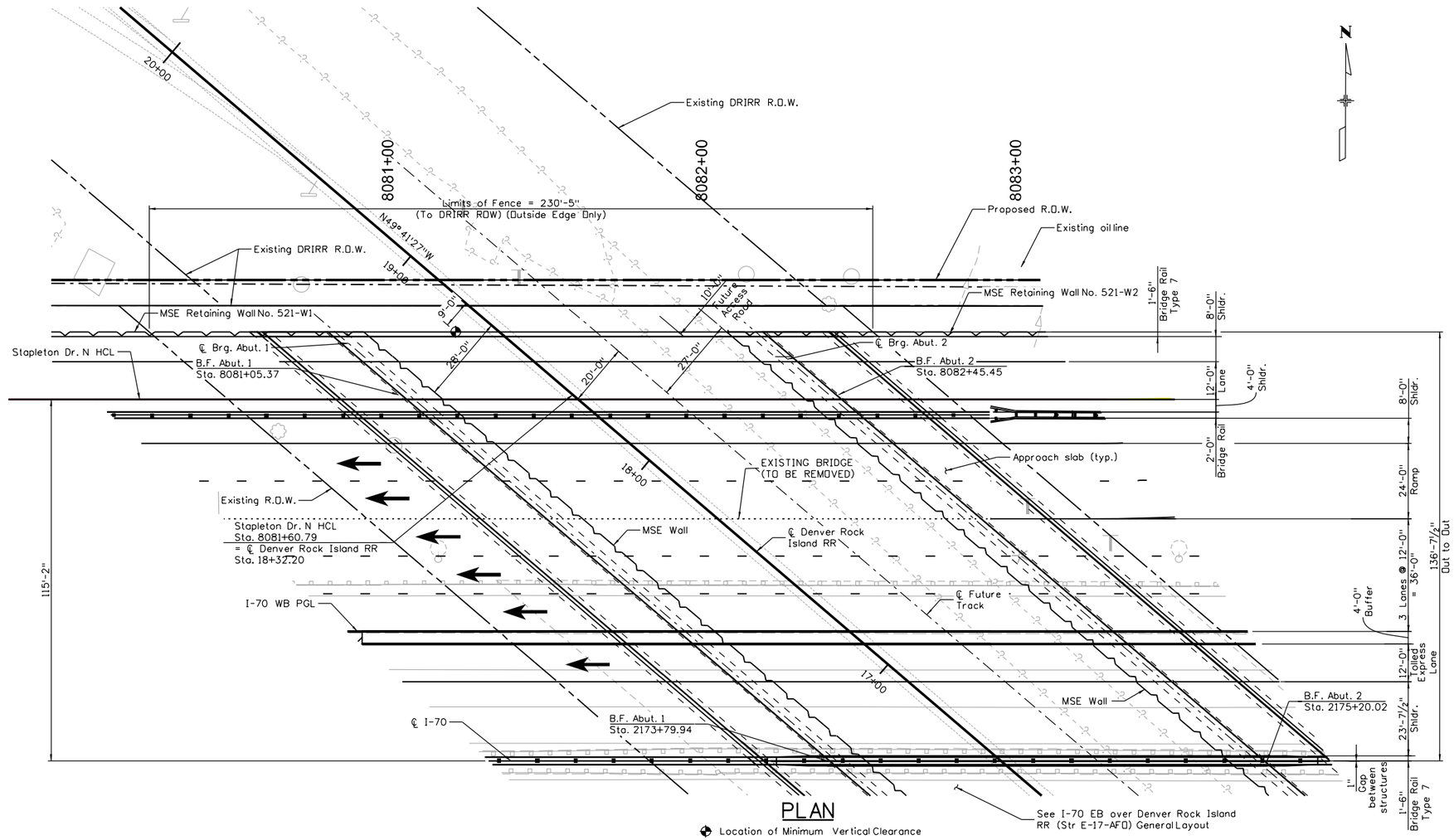


TYPICAL SECTION
(Looking ahead station)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 BRIDGE OVER MONOCO ST GENERAL LAYOUT PROFILE AND TYP SECTION		Project No./Code
		FBR 0704-2
		19631
Designer: KMP	Structure Numbers: E-17-AFJ	
Detailer: KMP	E-17-AFK	
Sheet Subset: Bridge	Subset Sheets: 36 of 51	Sheet Number 102



PLAN

Location of Minimum Vertical Clearance

See I-70 EB over Denver Rock Island RR (Str E-17-AFQ) General Layout

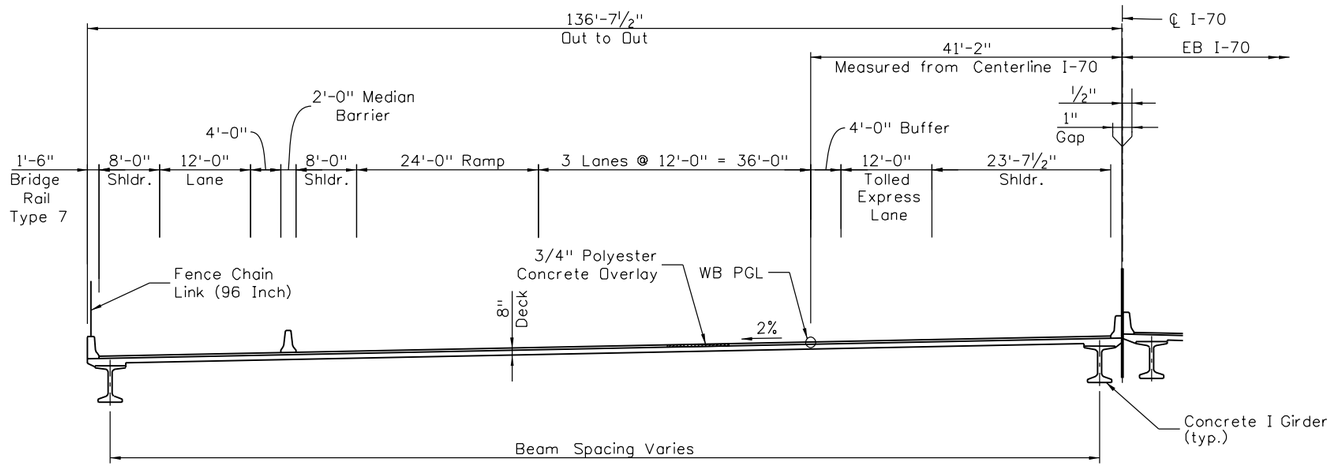
Kiewit meridiam PARTNERS

Central 70

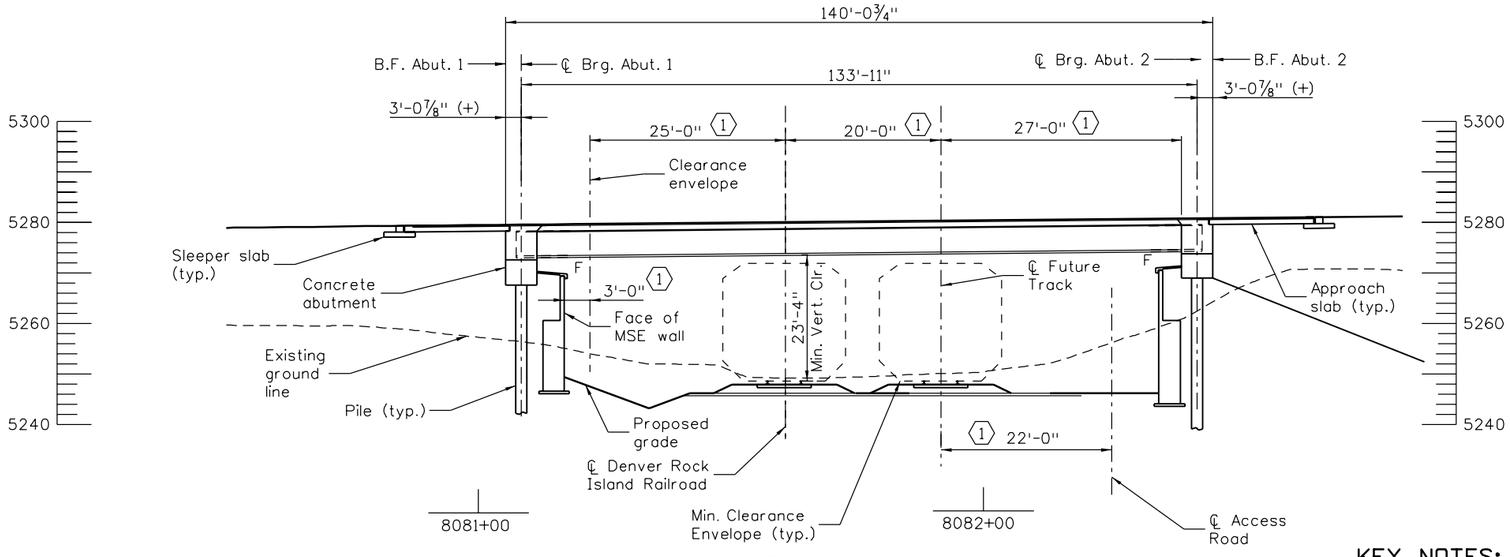
CENTRAL 70
I-70 WB BRIDGE OVER DENVER ROCK ISLAND
GENERAL LAYOUT PLAN

Designer: KMP	Structure Numbers	E-17-ADT
Detailer: KMP		E-17-AFN
Sheet Subset: Bridge	Subset Sheets:	37 of 51

Project No./Code
FBR 0704-2
19631
Sheet Number 103



TYPICAL SECTION



SECTION

(Taken along I-70 Stapleton Dr. HCL)

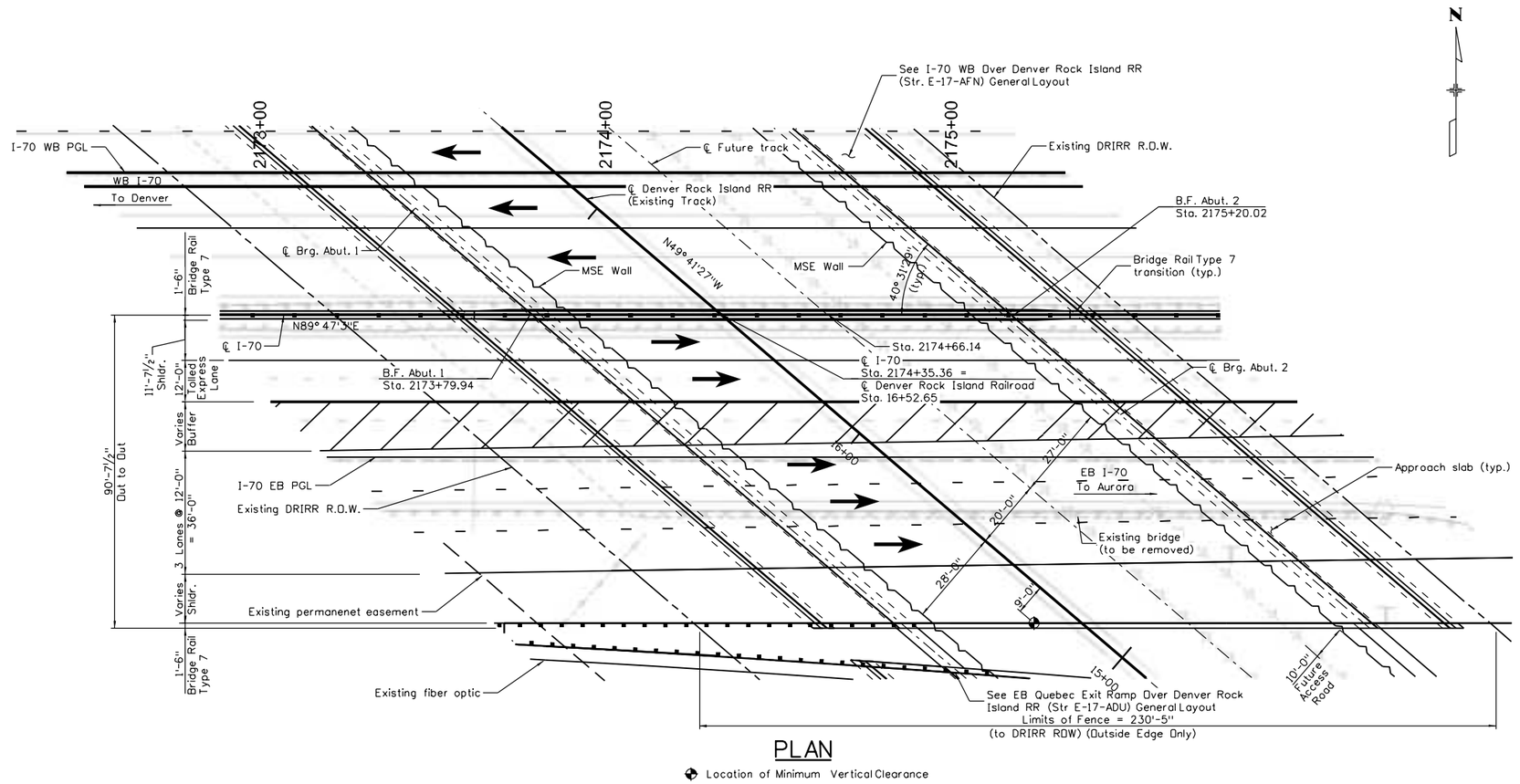
KEY NOTES:

(1) Measured normal to ℄ Track.

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 WB BRIDGE OVER DENVER ROCK ISLAND GENERAL LAYOUT PROFILE AND TYP SECTION			Project No./Code
			FBR 0704-2
			19631
Designer: KMP	Structure Numbers	E-17-ADT	Sheet Number 104
Detailer: KMP		E-17-AFN	
Sheet Subset: Bridge	Subset Sheets:	38 of 51	



PLAN

Location of Minimum Vertical Clearance

Kiewit meridiam PARTNERS

Central 70

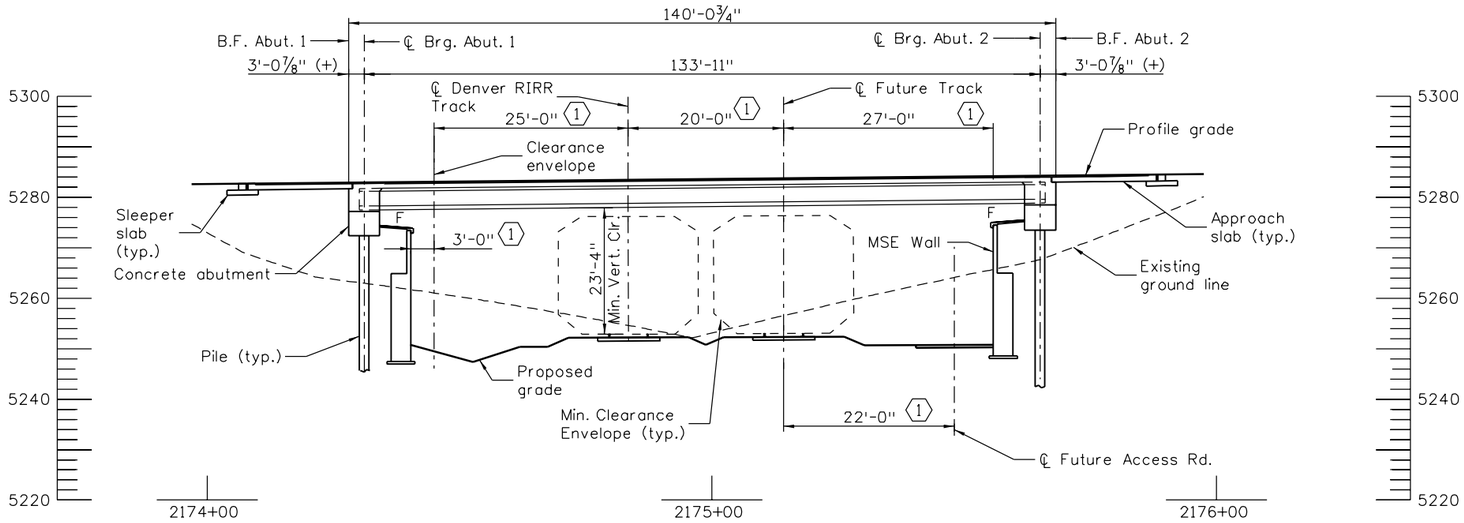
CENTRAL 70
I-70 EB BRIDGE OVER DENVER ROCK ISLAND
GENERAL LAYOUT PLAN

Designer: KMP	Structure Numbers	E-17-AFO	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	39 of 51	

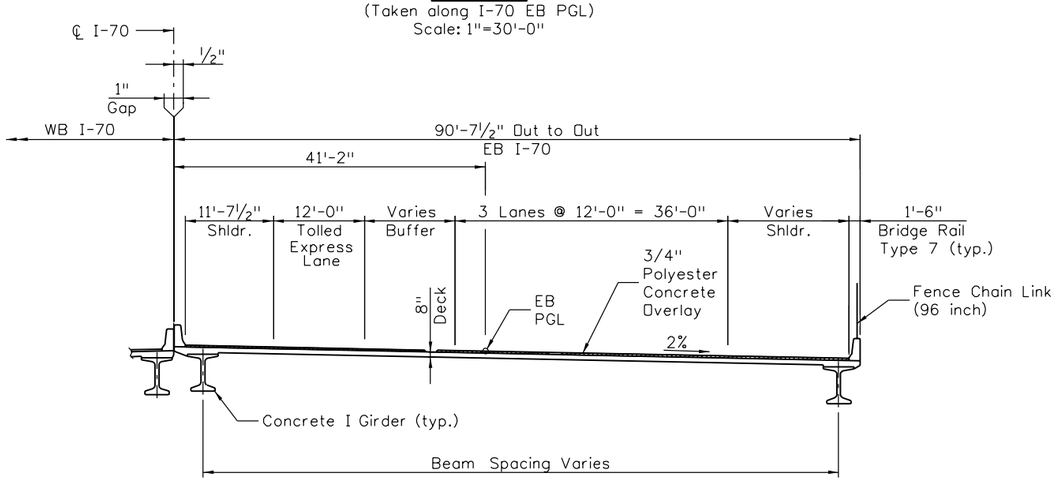
Project No./Code	
FBR 0704-2	
19631	
Sheet Number	105

KEY NOTES:

(1) Measured normal to ℄ Track



SECTION
(Taken along I-70 EB PGL)
Scale: 1"=30'-0"

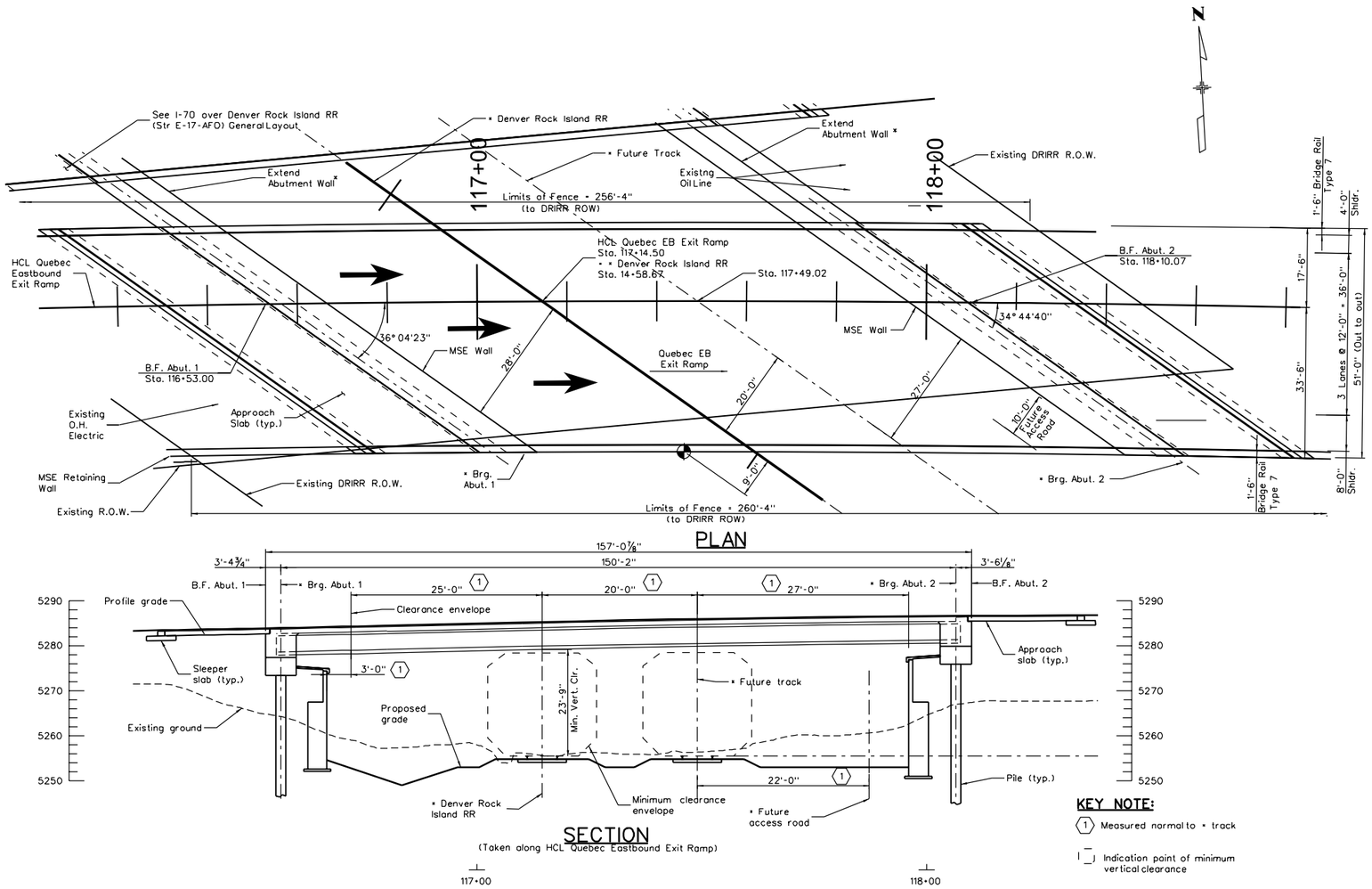


TYPICAL SECTION
(Looking ahead station)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 EB BRIDGE OVER DENVER ROCK ISLAND GENERAL LAYOUT PROFILE AND TYP SECTION			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AFO	19631
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	40 of 51	Sheet Number 106



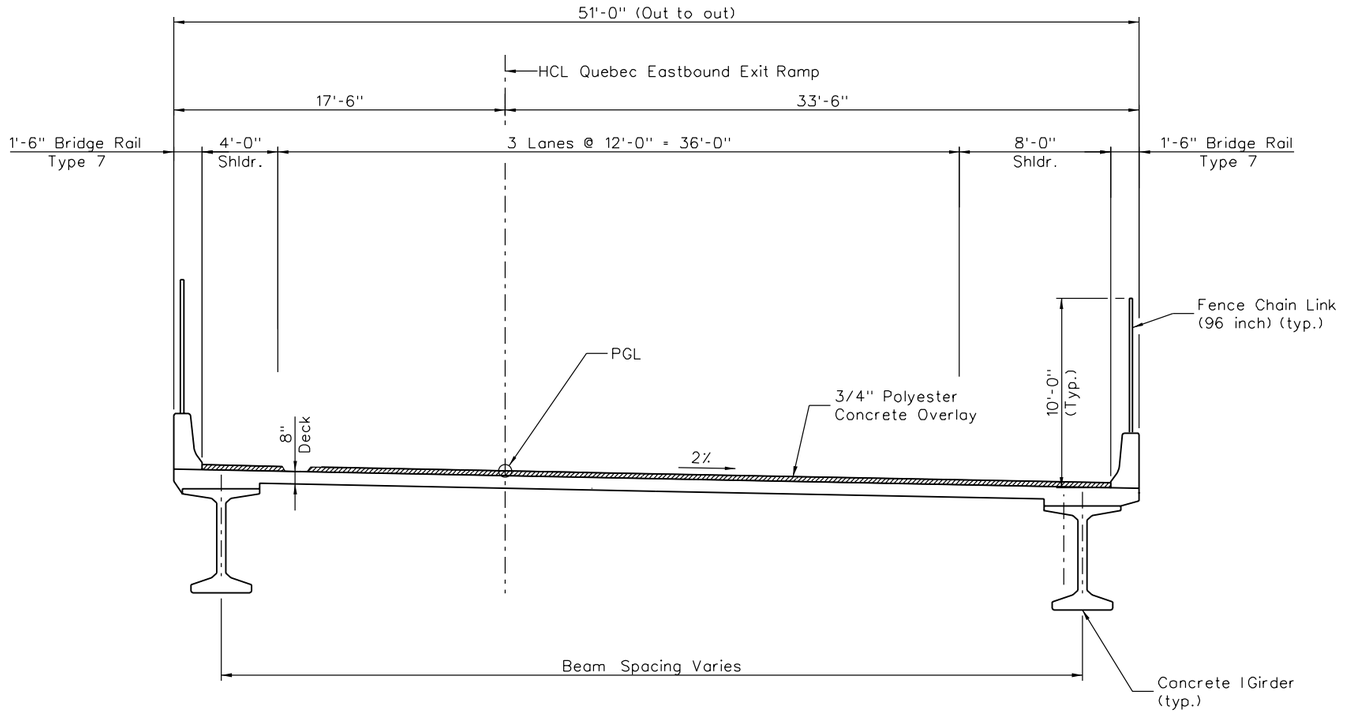
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
I-70 BRIDGE OVER DENVER ROCK ISLAND RR GENERAL LAYOUT

Designer: KMP	Structure Numbers	E-17-ADU	
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	41 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 107

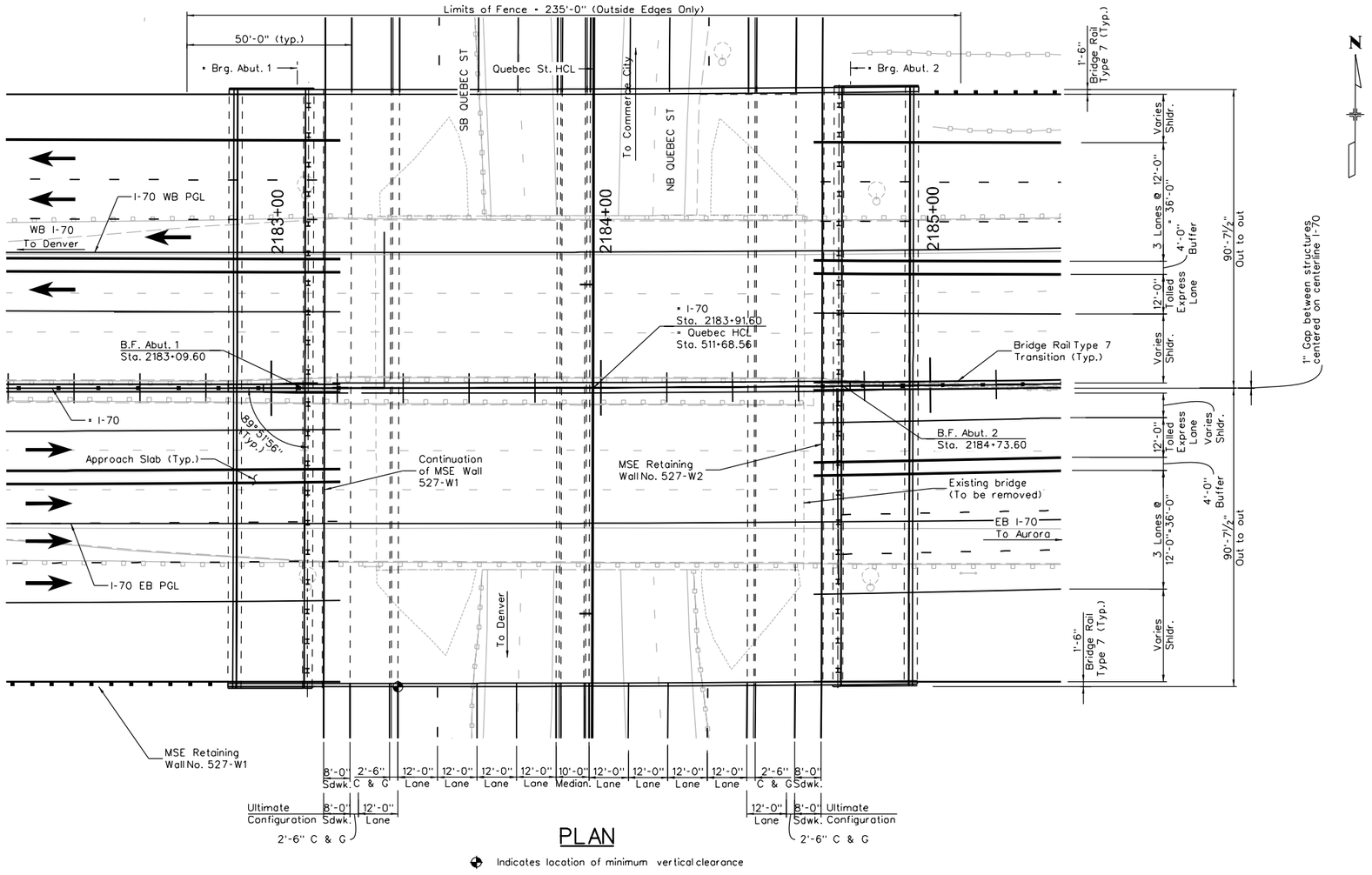


TYPICAL SECTION
(Looking Ahead Station)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 BRIDGE OVER DENVER ROCK ISLAND RR TYPICAL SECTION			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-ADU	19631
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 42 of 51		Sheet Number 108



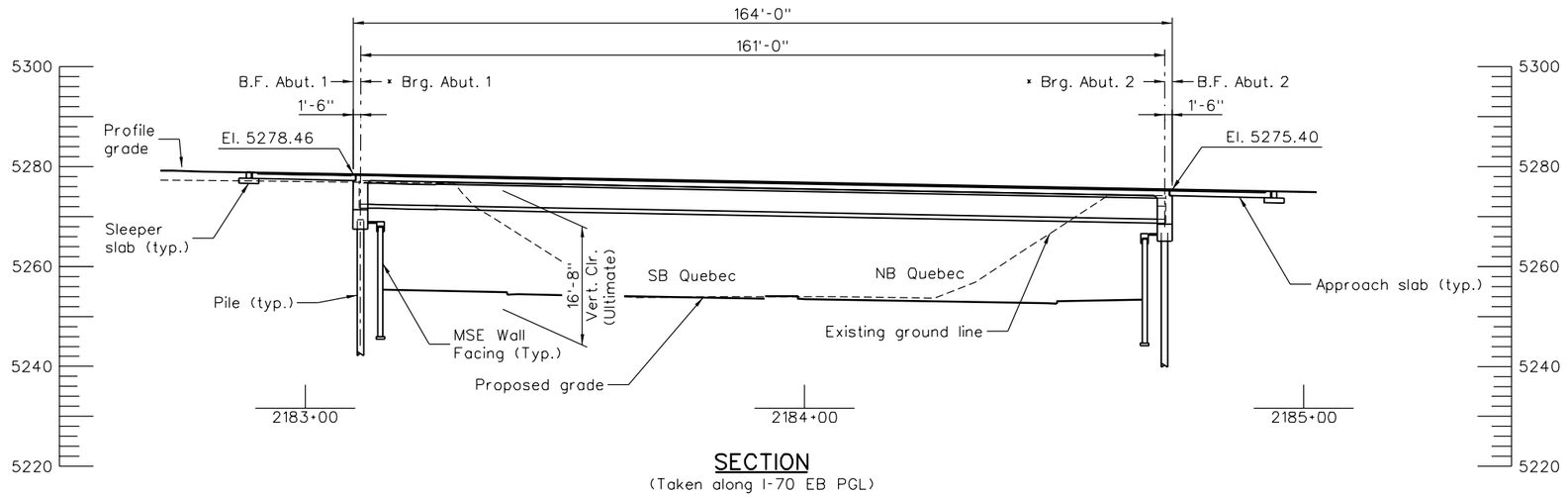
PLAN

◆ Indicates location of minimum vertical clearance

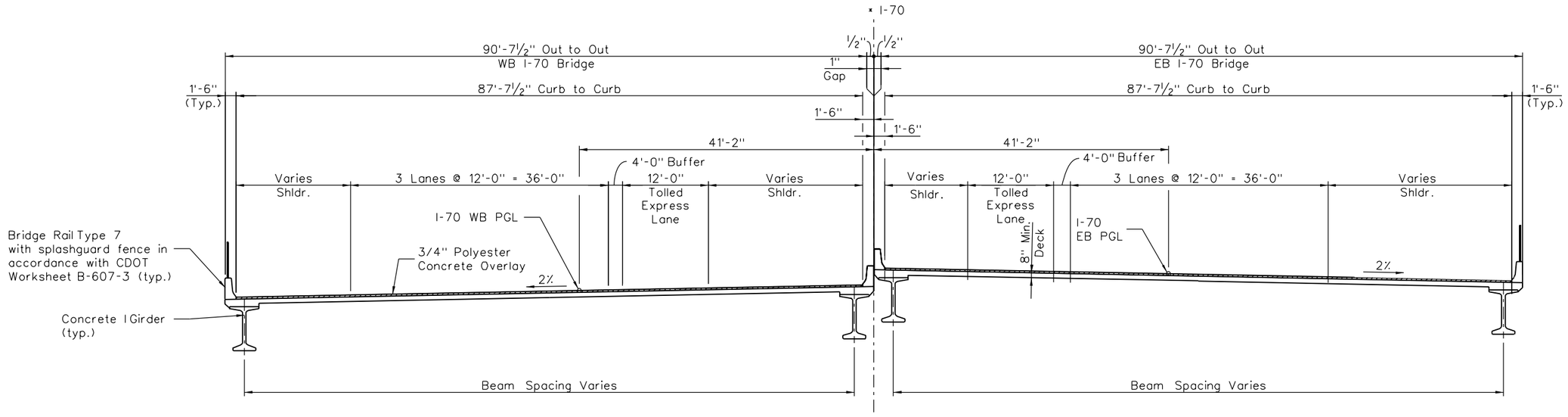
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 BRIDGE OVER QUEBEC ST GENERAL LAYOUT PLAN			Project No./Code
			FBR 0704-2
			19631
Designer: KMP	Structure Numbers	E-17-AFQ	Sheet Number 109
Detailer: KMP		E-17-AFR	
Sheet Subset: Bridge	Subset Sheets:	43 of 51	

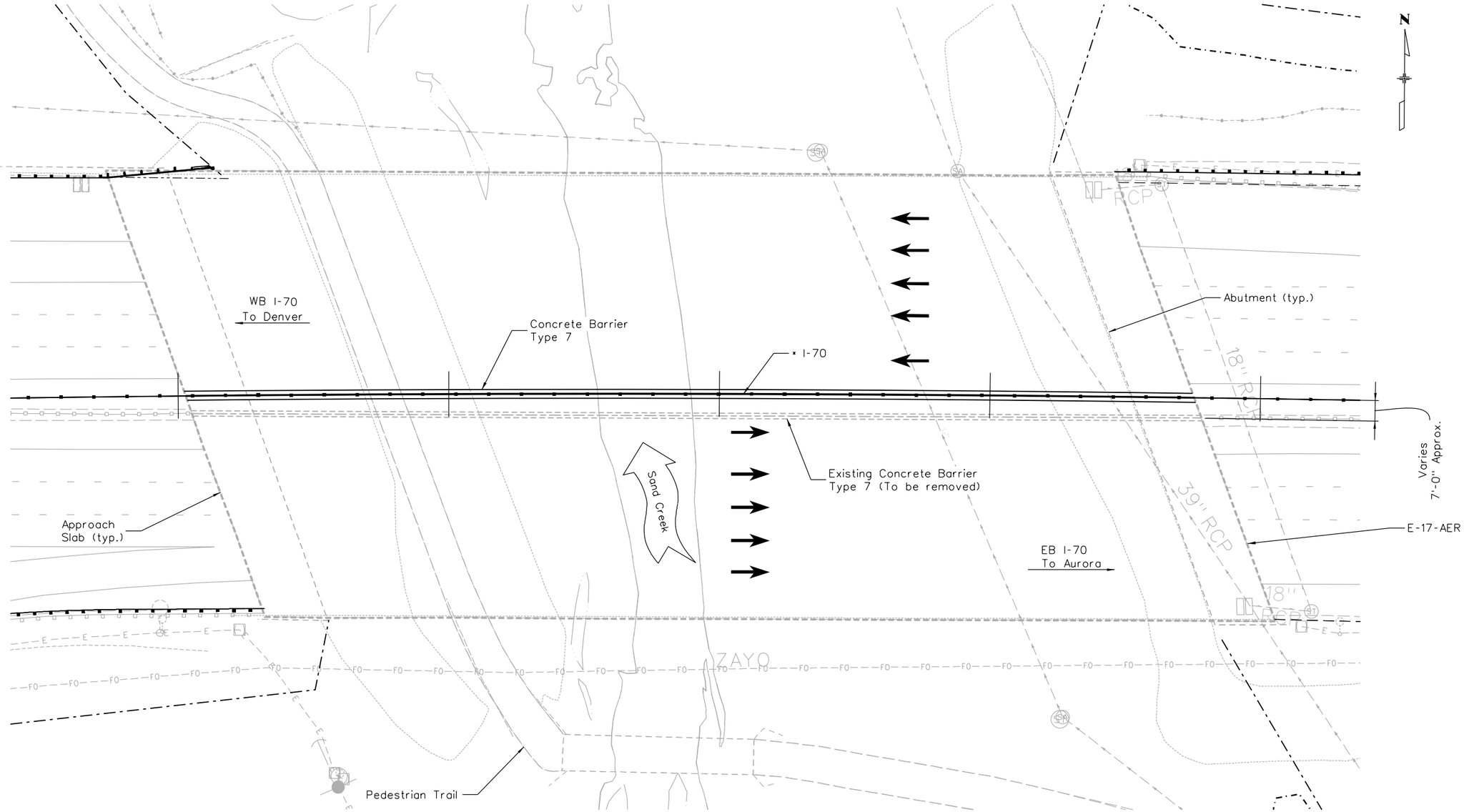


SECTION
(Taken along I-70 EB PGL)



TYPICAL SECTION
(Looking ahead station)

Kiewit meridiam PARTNERS / Central 70		CENTRAL 70 I-70 BRIDGE OVER QUEBEC ST GENERAL LAYOUT PROFILE AND TYP SECTION	Project No./Code FBR 0704-2
		Designer: KMP Detailer: KMP Sheet Subset: Bridge Structure Numbers: E-17-AFQ, E-17-AFR Subset Sheets: 44 of 51	19631 Sheet Number 110

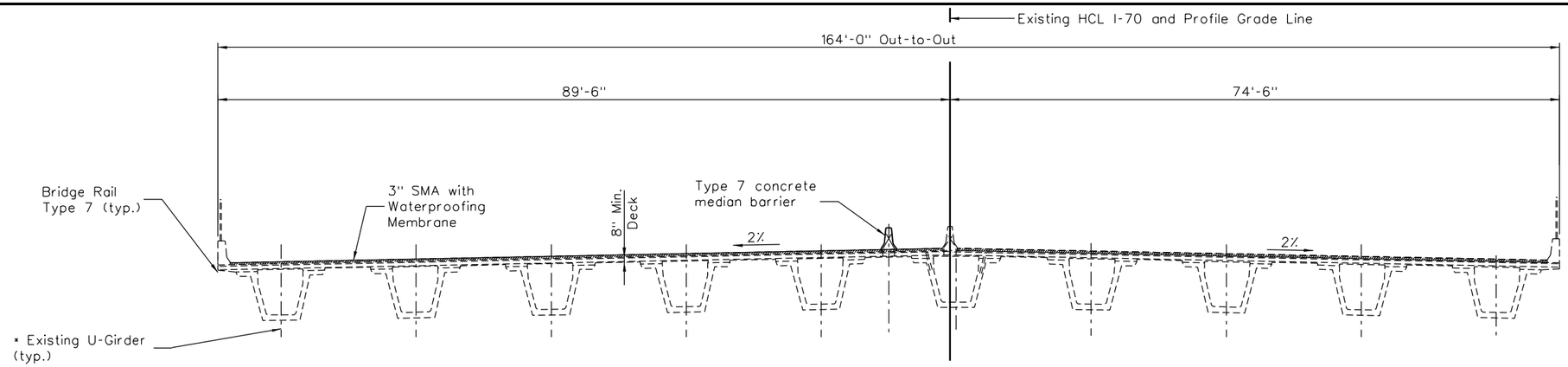


PLAN

Kiewit meridiam PARTNERS

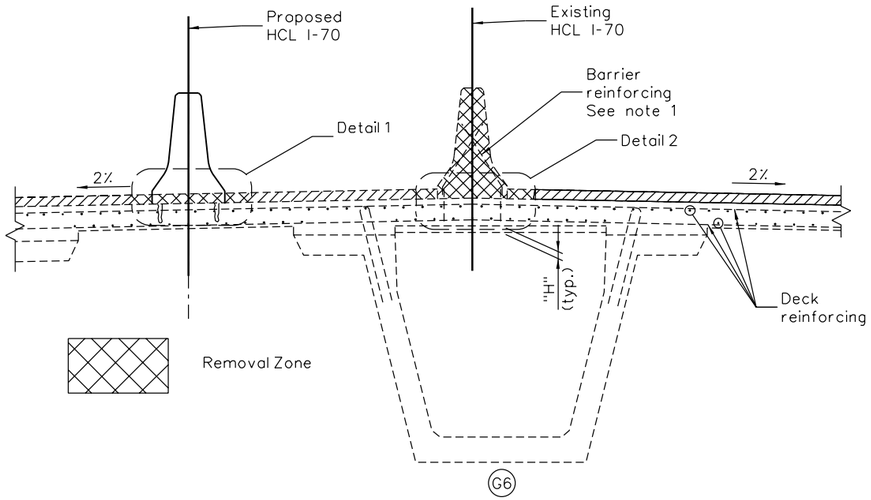
Central 70

CENTRAL 70 I-70 BRIDGE (EXISTING) OVER SAND CREEK GENERAL LAYOUT PLAN			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AER	19631
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 45 of 51		Sheet Number 111

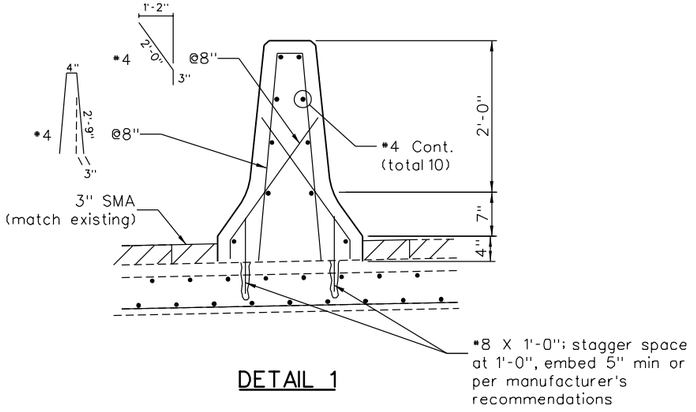


TYPICAL SECTION

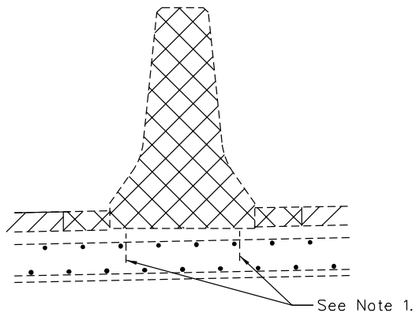
(Looking ahead station)



BARRIER DETAIL



DETAIL 1

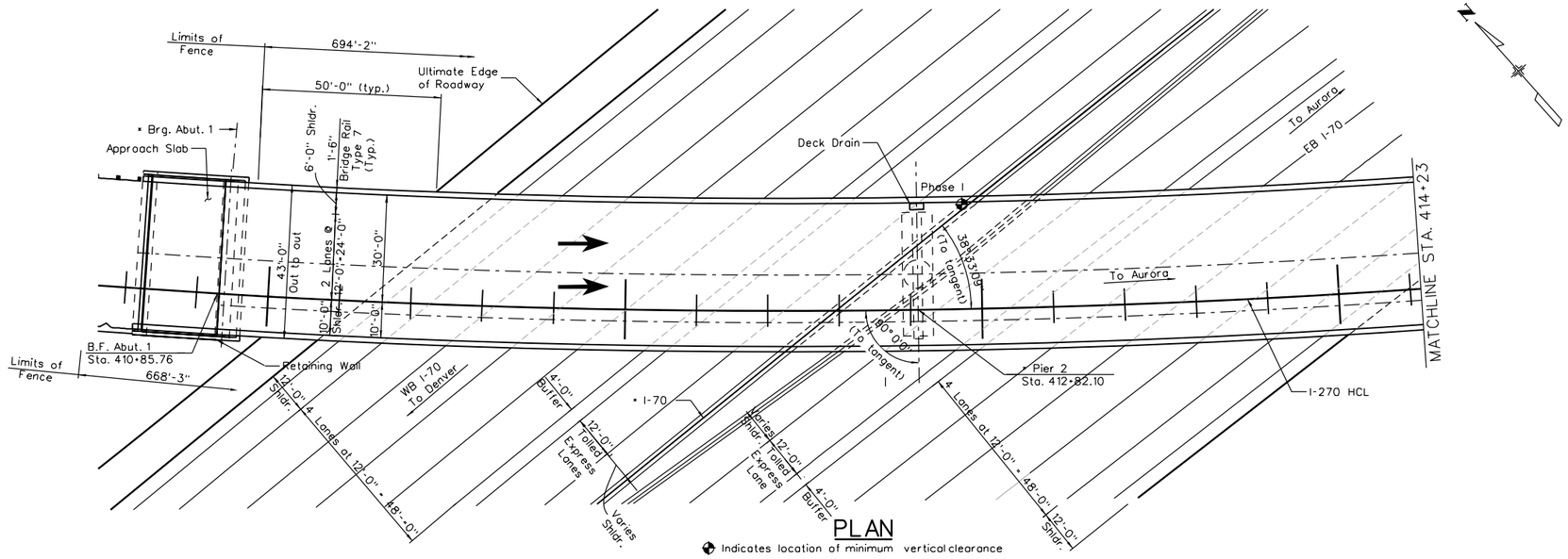


DETAIL 2

Kiewit meridiam PARTNERS

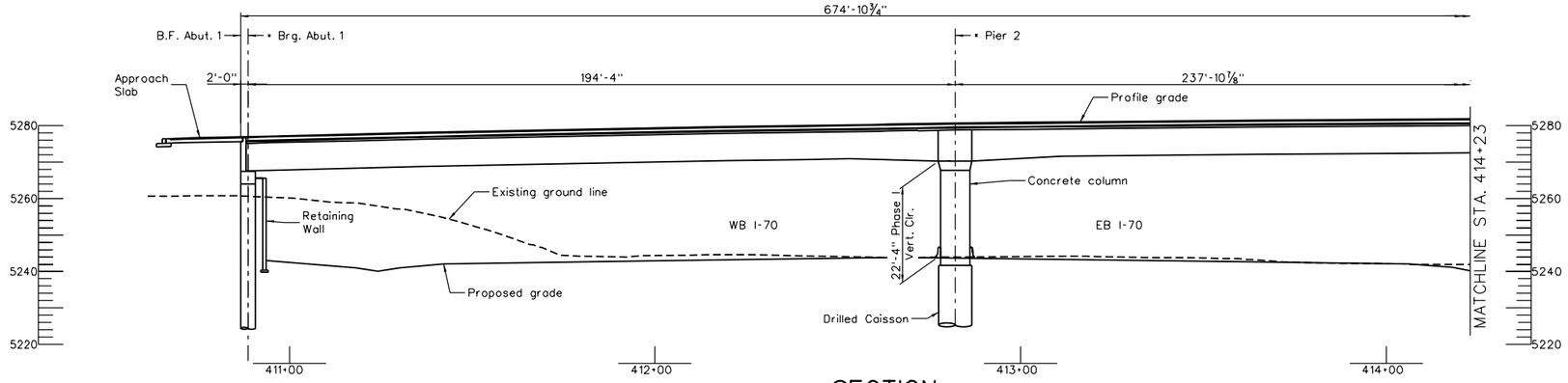
Central 70

CENTRAL 70 I-70 BRIDGE (EXISTING) OVER SAND CREEK MEDIAN BARRIER DETAIL			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AER	19631
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	46 of 51	Sheet Number 112



PLAN

◆ Indicates location of minimum vertical clearance



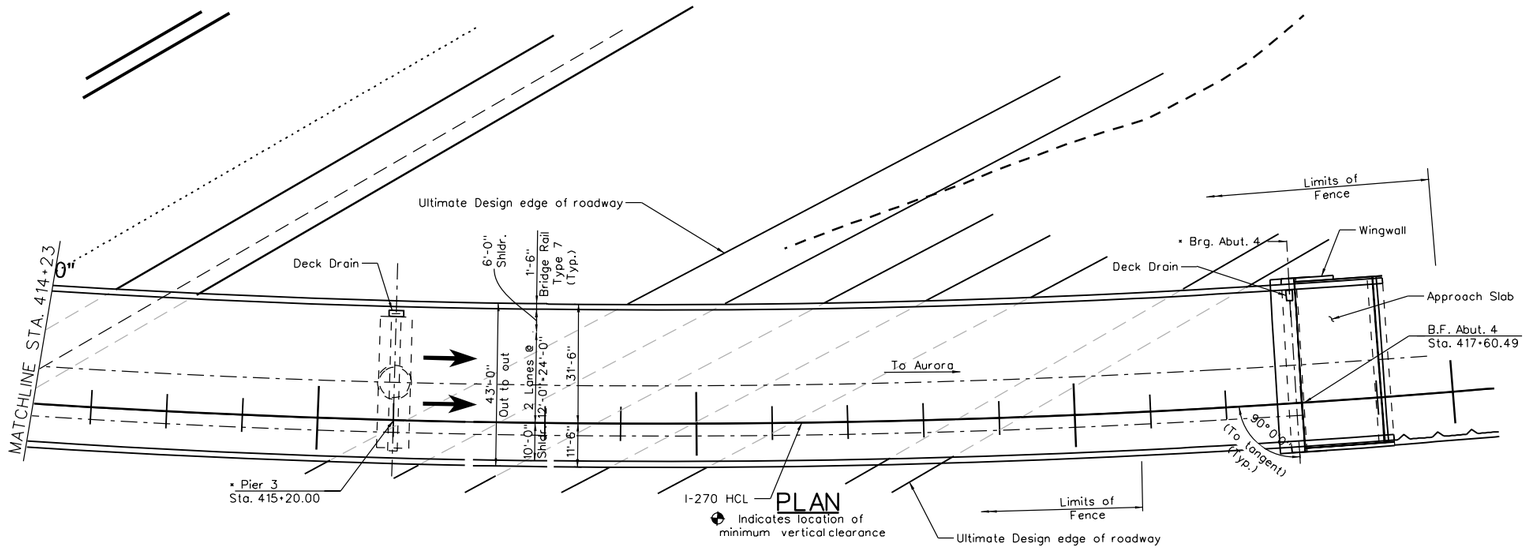
SECTION

(Taken along I-270 HCL)

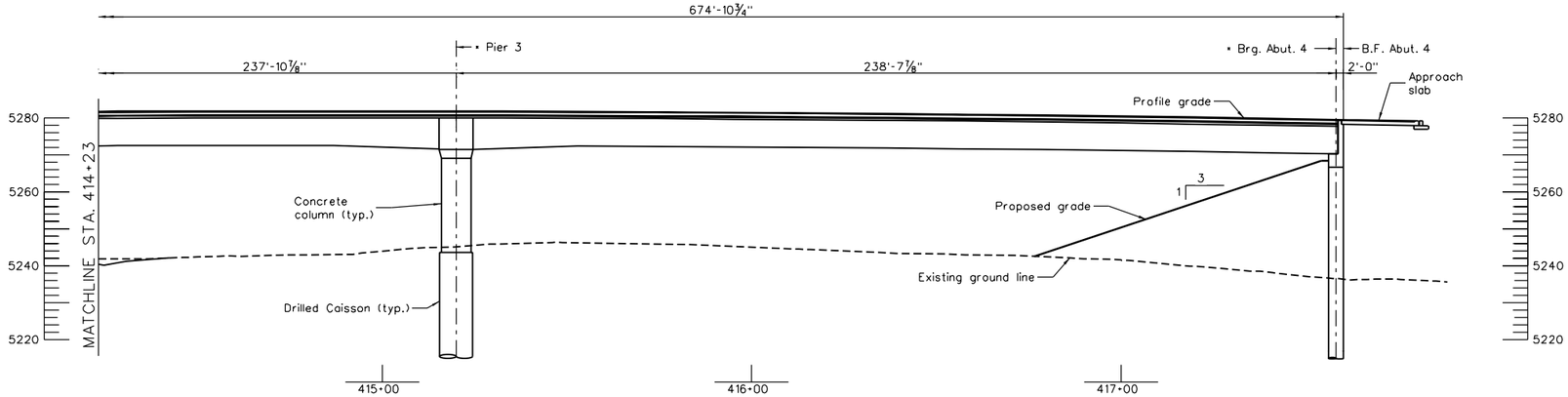
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-270 EB CONNECTOR BRIDGE OVER I-70 GENERAL LAYOUT (1 OF 2)			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AFS	19631
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets: 47 of 51		Sheet Number 113



PLAN

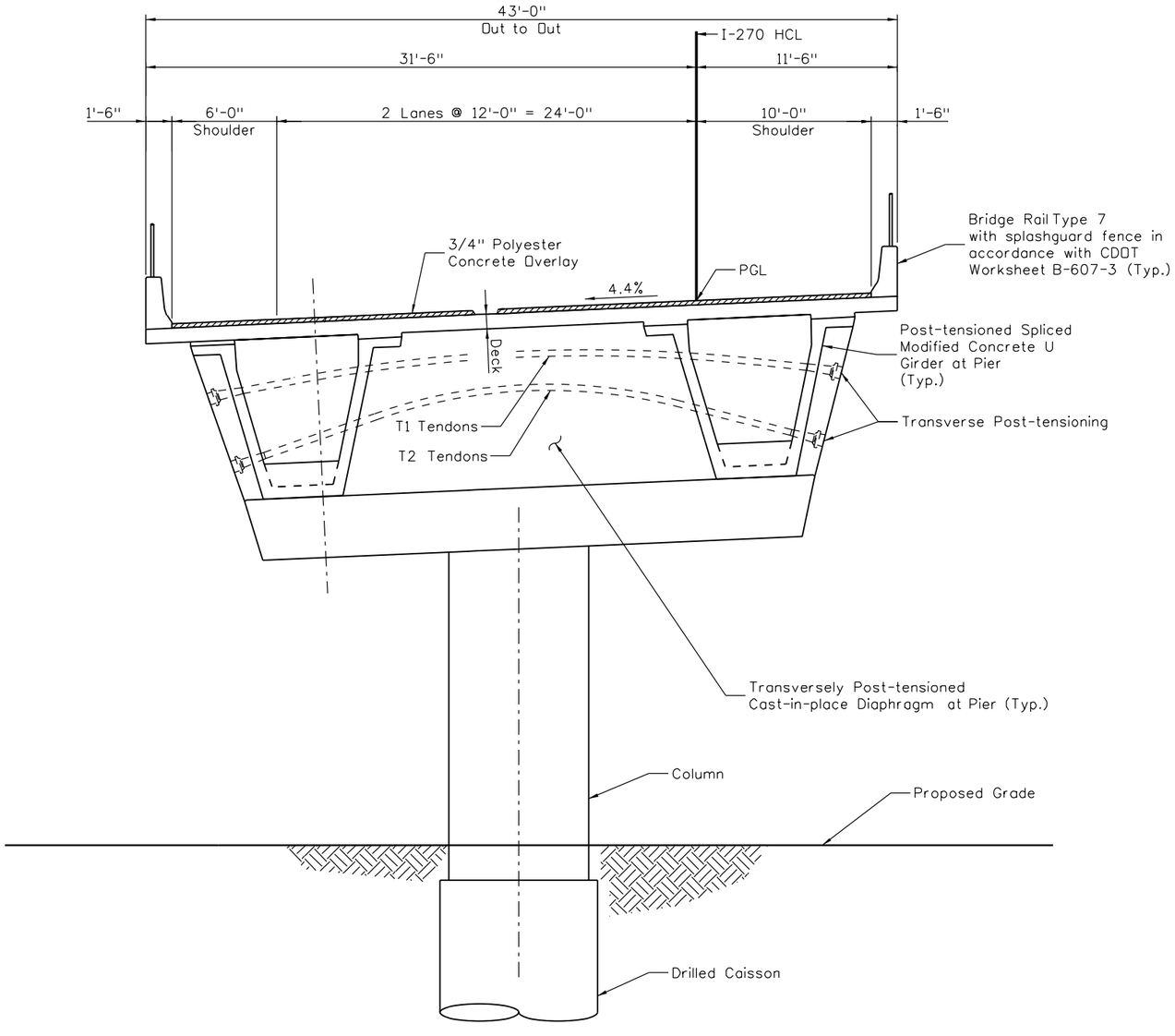


SECTION
(Taken along I-270 HCL)

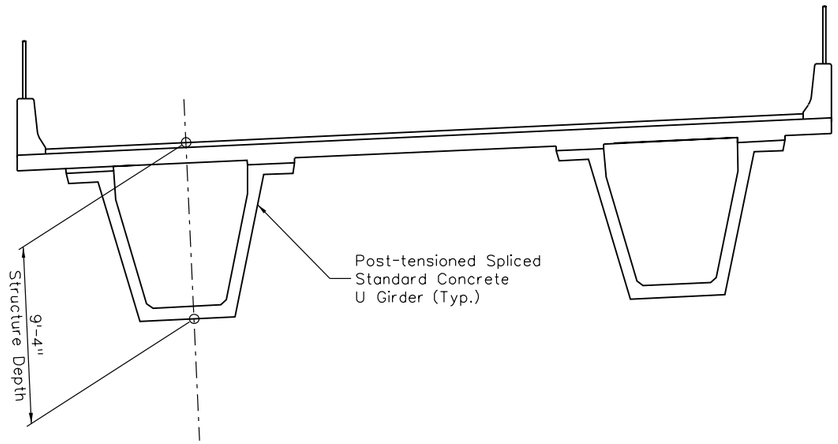
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-270 EB CONNECTOR BRIDGE OVER I-70 GENERAL LAYOUT (2 OF 2)			Project No./Code
			FBR 0704-2
Designer: KMP	Structure Numbers	E-17-AFS	19631
Detailer: KMP			
Sheet Subset: Bridge	Subset Sheets:	48 of 51	Sheet Number 114



TYPICAL SECTION AT PIER
(Looking Ahead Station)



TYPICAL SECTION MID-SPAN
(Looking Ahead Station)

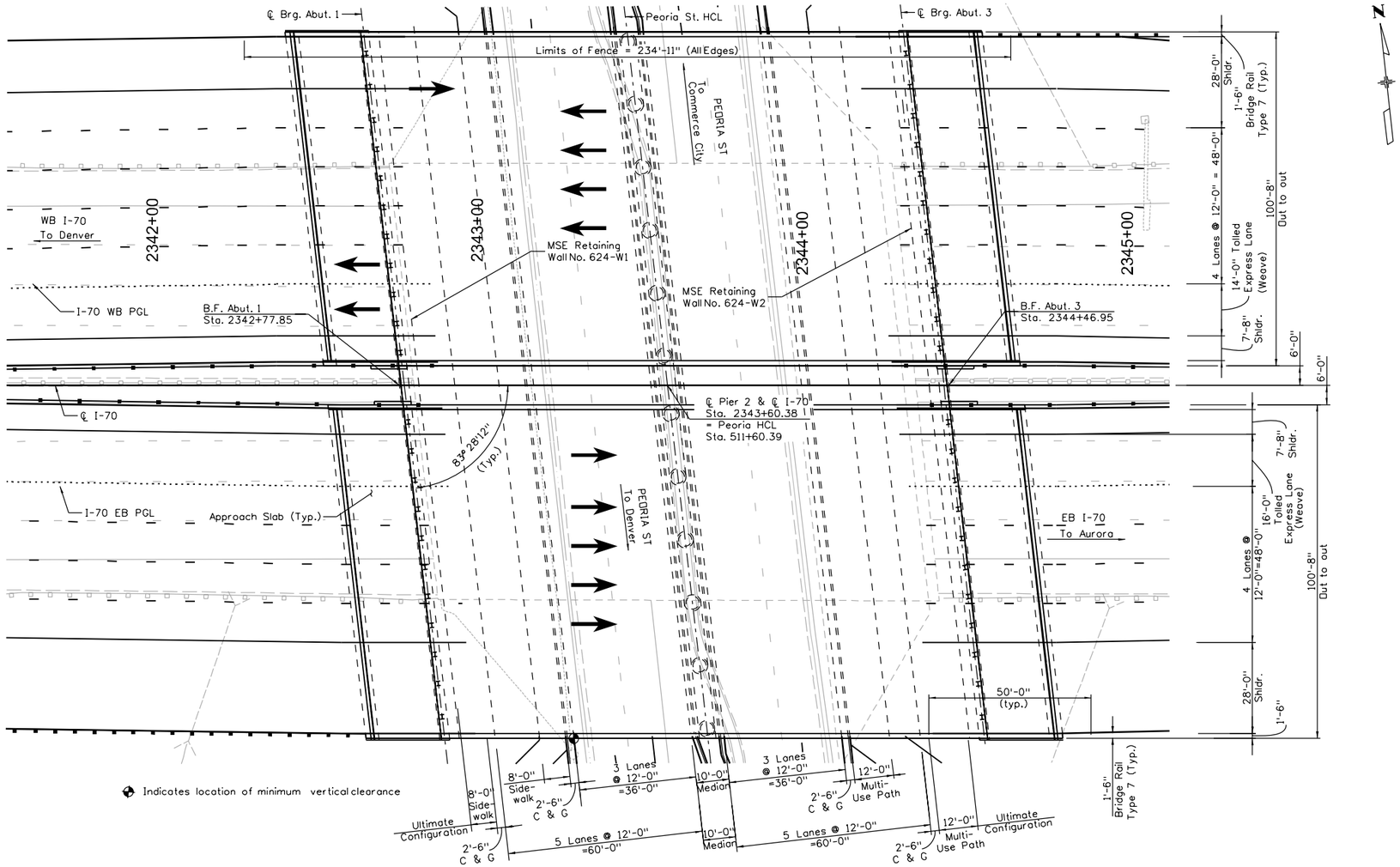
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70
1-270 EB CONNECTOR BRIDGE OVER I-70
TYPICAL SECTION

Designer: KMP	Structure Numbers	
Detailer: KMP		
Sheet Subset: Bridge	Subset Sheets: 49 of 51	

Project No./Code
FBR 0704-2
19631
Sheet Number 115

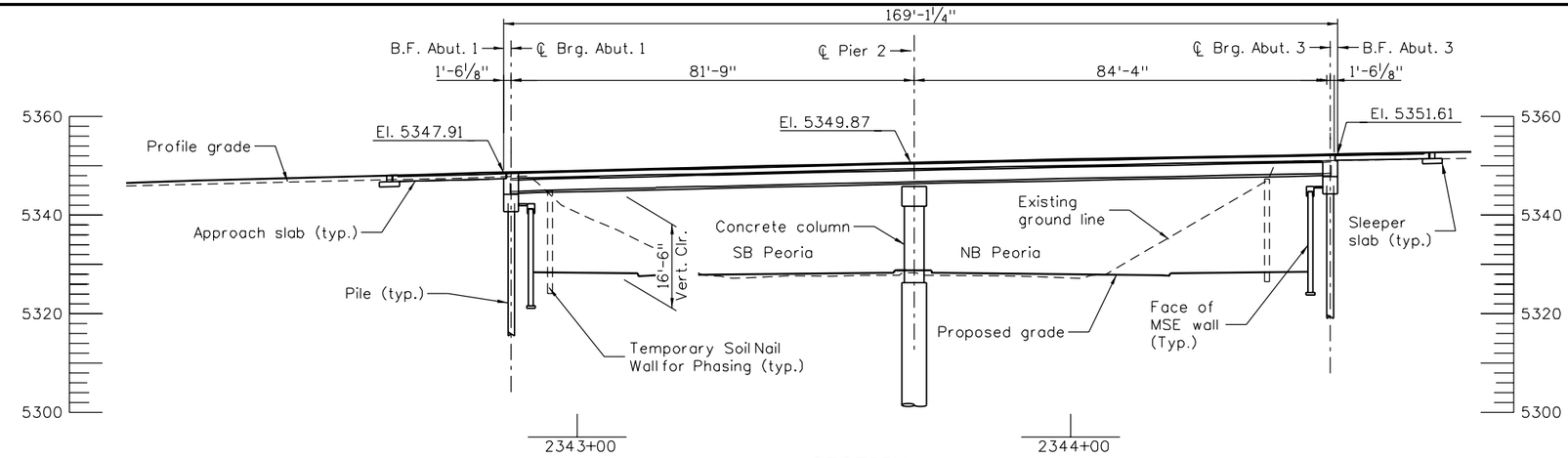


PLAN

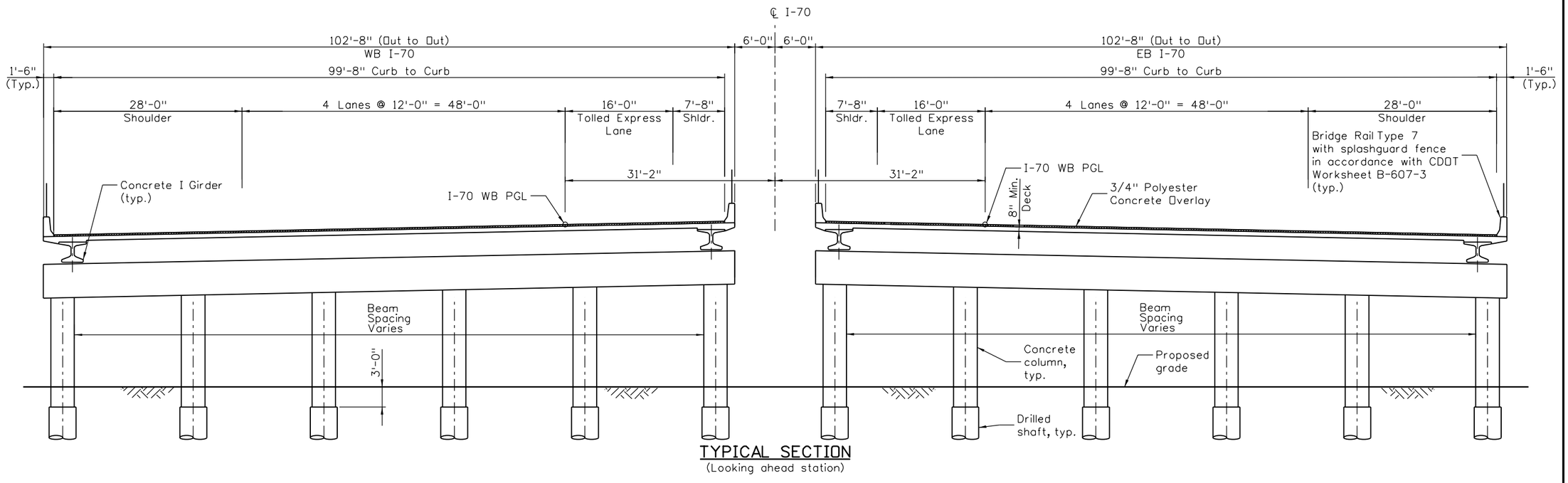
Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 BRIDGE OVER PEORIA ST GENERAL LAYOUT PLAN		Project No./Code
		FBR 0704-2
Designer: KMP	Structure Numbers: E-17-AFT	19631
Detailer: KMP	E-17-AFU	
Sheet Subset: Bridge	Subset Sheets: 50 of 51	Sheet Number 116



SECTION
(Taken along ℄ I-70)

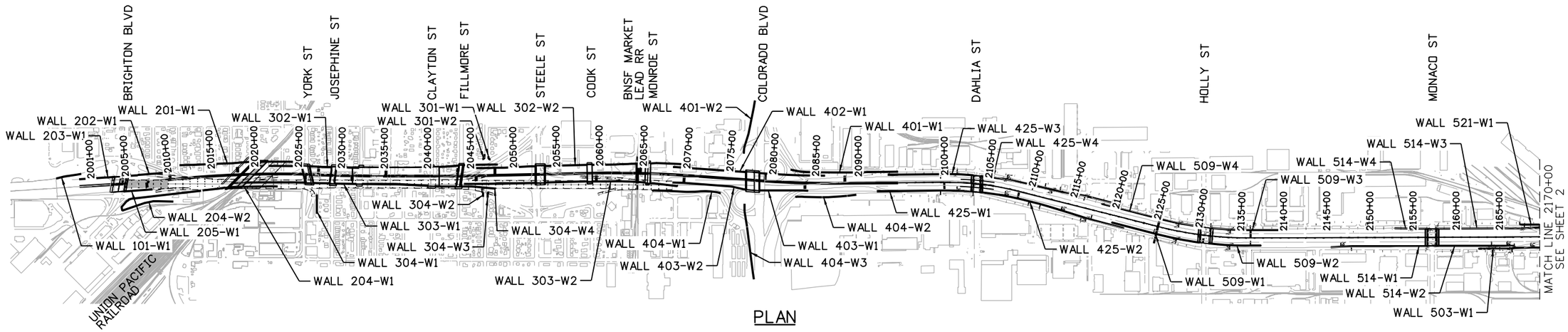


TYPICAL SECTION
(Looking ahead station)

Kiewit meridiam PARTNERS

Central 70

CENTRAL 70 I-70 BRIDGE OVER PEORIA ST GENERAL LAYOUT (SHEET 2 OF 2)		Project No./Code FBR 0704-2 19631
Designer: KMP Detailer: KMP Sheet Subset: Bridge	Structure Numbers Subset Sheets: 51 of 51	Sheet Number 117



PLAN

Wall ID	Type	Ref. Line	Begin Wall	End Wall
101-W1	MSE	I-70, Left	1957+50	2000+50
201-W1	Secant	46th Ave N, Left	6002+00	6010+00
202-W1	MSE	I-70, Left	2005+50	2010+50
203-W1	CIP, MSE	I-70, Left	2000+00	2004+00
204-W1	Secant	46th Ave S, Left	7008+25	7017+00
204-W2	Secant	I-70, Right	Around Pond	
205-W1	CIP, MSE	I-70, Right	2005+50	2008+50
301-W1	Block	Milwaukee St. N, Right	0+00	0+25
301-W2	Block	Milwaukee St. N, Left	0+00	0+25
302-W1	Secant	I-70, Left	2022+00	2033+00
302-W2	CIP, Secant, Soil Nail	I-70, Left	2042+00	2070+00
303-W1	CIP, Secant	I-70, Right	2019+00	2033+00
303-W2	CIP, Secant, Soil Nail	I-70, Right	2044+00	2069+00
304-W1	CIP Concrete	York St, Right	504+50	508+00
304-W2	Block	Milwaukee St. S, Left	0+75	1+00
304-W3	Block	Milwaukee St. S, Right	0+75	1+00
304-W4	CIP Concrete	I-70, Right	2042+00	2048+00
401-W1	MSE	Stapleton Dr N, Right	703+00	714+00
401-W2	CIP Concrete	Colorado Blvd, Left	518+50	523+75
402-W1	CIP, Soil Nail, MSE	I-70, Left	2069+00	2077+50

Wall ID	Type	Ref. Line	Begin Wall	End Wall
403-W1	MSE, Soil Nail	I-70, Right	2079+00	2084+50
403-W2	MSE, Soil Nail	I-70, Right	2069+00	2077+00
404-W1	CIP Concrete	46th Ave S, Right	7063+00	7071+00
404-W2	MSE	Stapleton Dr S, Right	7077+50	7084+50
404-W3	CIP Concrete	Colorado Blvd, Left	503+00	511+50
425-W1	CIP, MSE	I-70, Right	2092+50	2103+50
425-W2	CIP, MSE	I-70, Right	2104+75	2116+50
425-W3	CIP, MSE	I-70, Left	2104+75	2114+50
425-W4	CIP, MSE	I-70, Left	2094+00	2103+50
503-W1	CIP, MSE	I-70, Right	2165+50	2175+75
509-W1	CIP, MSE	I-70, Right	2023+00	2030+00
509-W2	CIP, MSE	I-70, Right	2032+50	2037+50
509-W3	CIP, MSE	I-70, Left	2032+50	2037+50
509-W4	CIP, MSE	I-70, Left	2019+50	2030+00
514-W1	CIP, MSE	I-70, Right	2149+50	2156+75
514-W2	CIP, MSE	I-70, Right	2158+50	2166+00
514-W3	CIP, MSE	I-70, Left	2158+50	2167+50
514-W4	CIP, MSE	I-70, Left	2148+50	2156+75
521-W1	MSE	Stapleton Dr N, Right	8075+50	8081+00

Kiewit meridiam PARTNERS

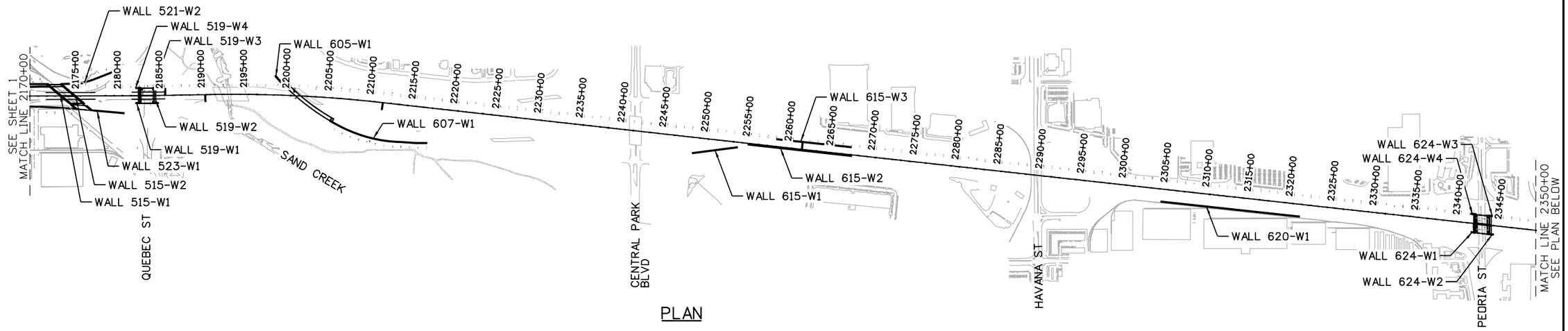
Central 70

0' 625' 1250' 2500'

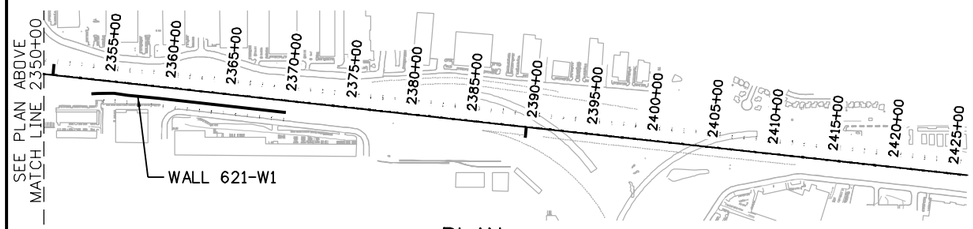
CENTRAL 70
WALLS
KEY MAP

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	RET WALLS	Subset Sheets:	1 of 2

Project No./Code
FBR 0704-234
19631
Sheet Number 118



PLAN



PLAN

Wall ID	Type	Ref. Line	Begin Wall	End Wall
515-W1	MSE	I-70	2173+00 LT	2176+00 RT
515-W2	MSE	I-70	2175+00 LT	2177+00 RT
519-W1	MSE	I-70, Right	2182+25	2182+75
519-W2	MSE	I-70, Right	2185+00	2185+50
519-W3	MSE	I-70, Left	2185+00	2185+50
519-W4	MSE	I-70, Left	2182+25	2182+75
521-W2	MSE	Stapleton Dr N, Right	8082+50	8089+00
523-W1	MSE	Quebec Ramp, Right	119+75	120+50
605-W1	CIP, MSE	I-270 EB Ramp, Right	409+00	410+50
607-W1	CIP, MSE	I-270 EB Ramp, Right	417+75	430+50
615-W1	CIP, MSE	I-70, Right	2254+00	2258+00
615-W2	CIP, MSE	I-70, Right	2260+50	2280+50
615-W3	CIP, MSE	I-70, Left	2274+50	2281+75
620-W1	CIP, MSE	I-70, Right	2303+50	2314+50
621-W1	CIP Concrete	I-70, Right	2354+00	2370+00
624-W1	MSE	I-70, Right	2342+00	2342+50
624-W2	MSE	I-70, Right	2345+00	2345+50
624-W3	MSE	I-70, Left	2345+00	2345+50
624-W4	MSE	I-70, Left	2342+00	2342+50

Kiewit meridiam PARTNERS

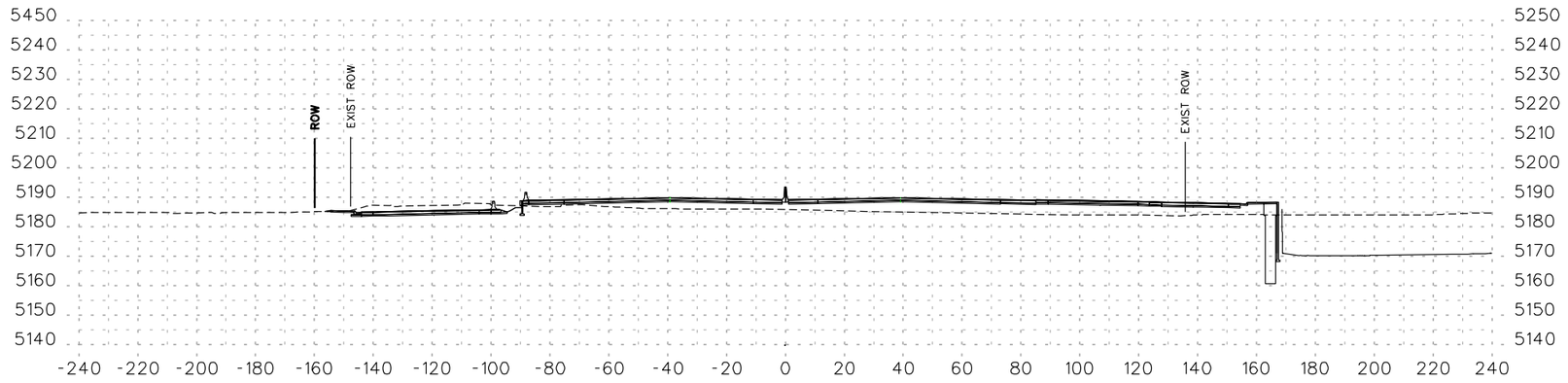
Central 70

0' 625' 1250' 2500'

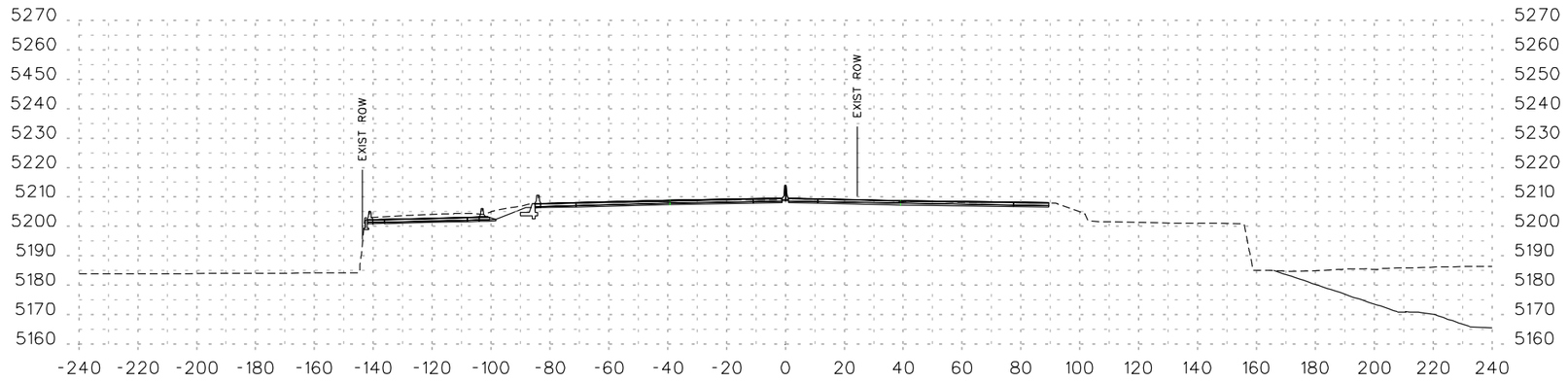
CENTRAL 70
WALLS
KEY MAP

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset:	RET WALLS	Subset Sheets:	2 of 2

Project No./Code
FBR 0704-234
19631
Sheet Number 119



STA.2010+00.0000



STA.2000+00.0000

Kiewit meridiam PARTNERS

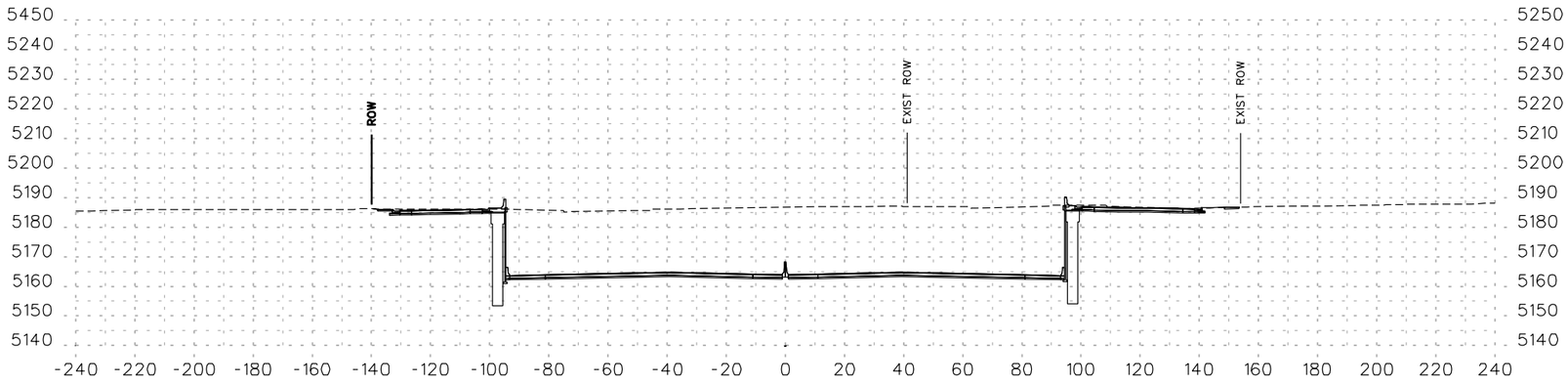
Central 70

0' 25' 50' 100'

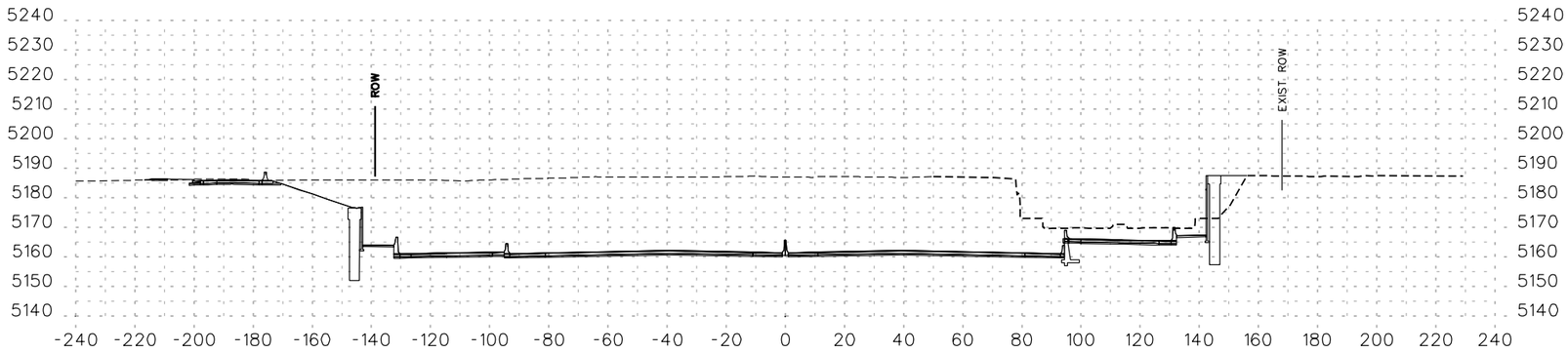
CENTRAL 70
CROSS SECTIONS
STA 2000+00 TO STA 2010+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	1 of 15

Project No./Code
FBR 0704-234
19631
Sheet Number 120



STA.2030+00.0000



STA.2020+00.0000

Kiewit meridiam PARTNERS

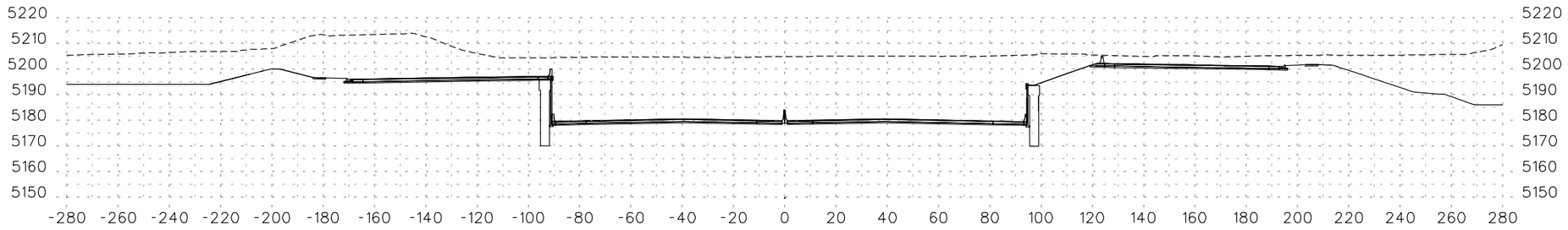
Central 70

0' 25' 50' 100'

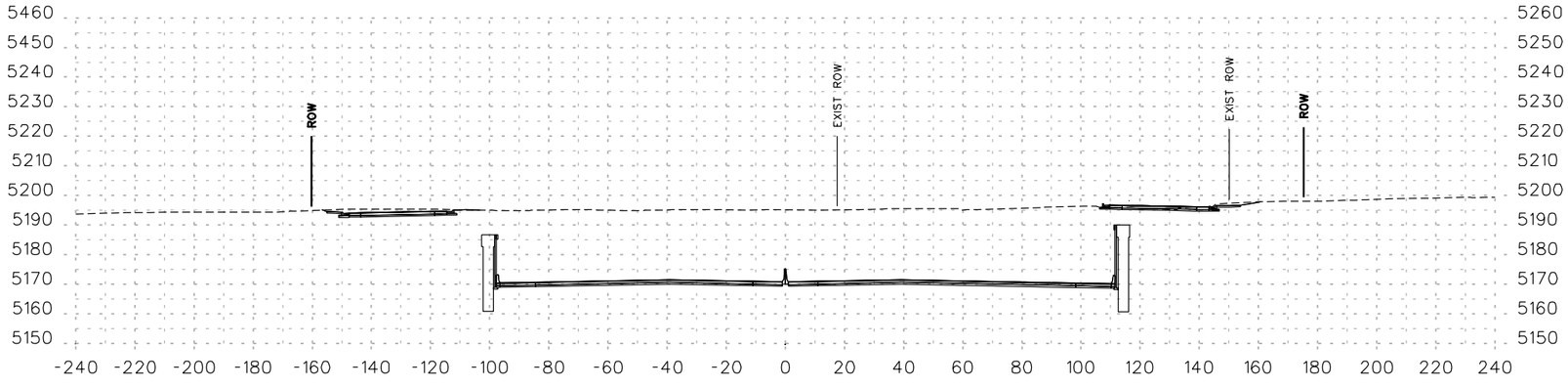
CENTRAL 70
CROSS SECTIONS
STA 2020+00 TO STA 2030+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	2 of 15

Project No./Code
FBR 0704-234
19631
Sheet Number 121



STA.2050+00.0000



STA.2040+00.0000

Kiewit meridiam PARTNERS

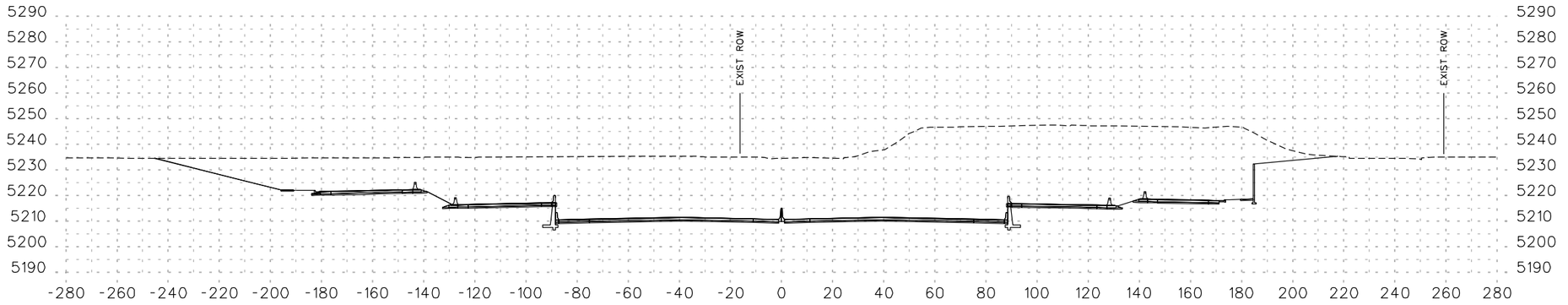
Central 70

0' 25' 50' 100'

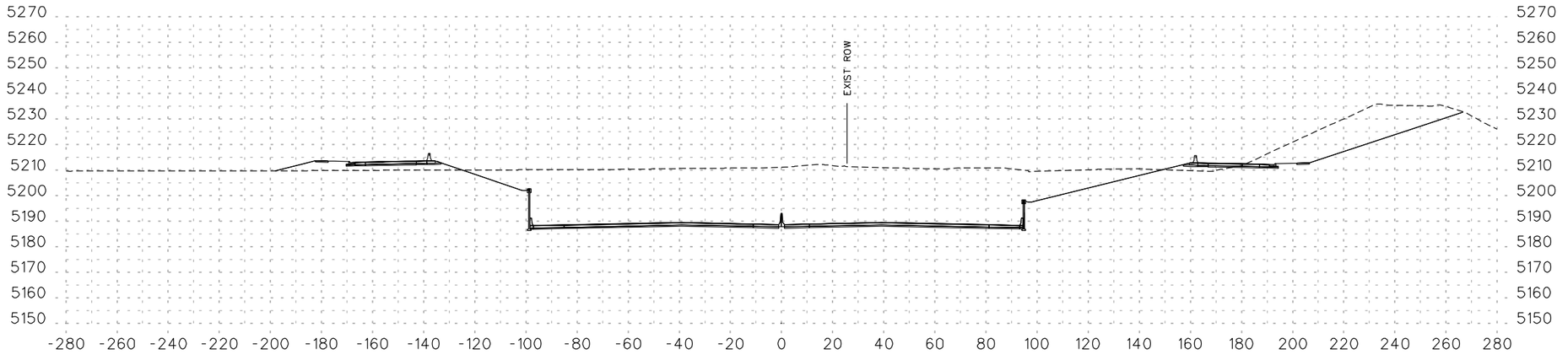
CENTRAL 70
CROSS SECTIONS
STA 2040+00 TO STA 2050+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	3 of 15

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	122



STA.2070+00.0000



STA.2060+00.0000

Kiewit meridiam PARTNERS

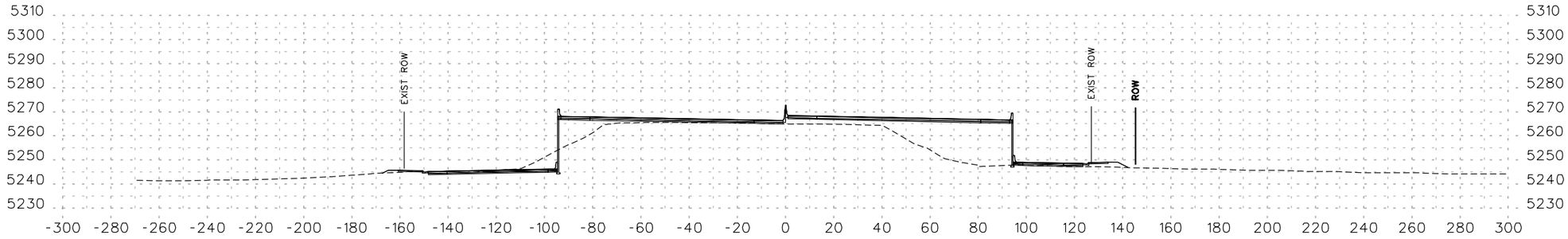
Central 70

0' 25' 50' 100'

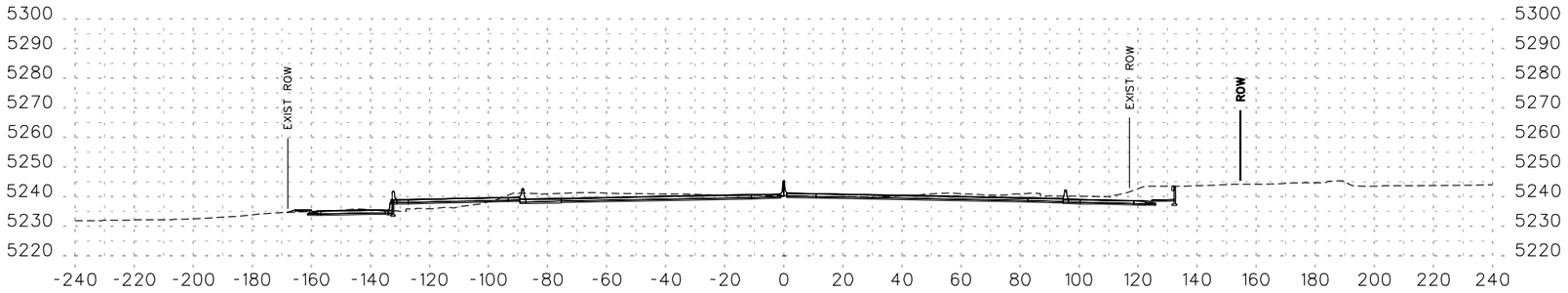
CENTRAL 70
CROSS SECTIONS
STA 2060+00 TO STA 2070+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	4 of 15

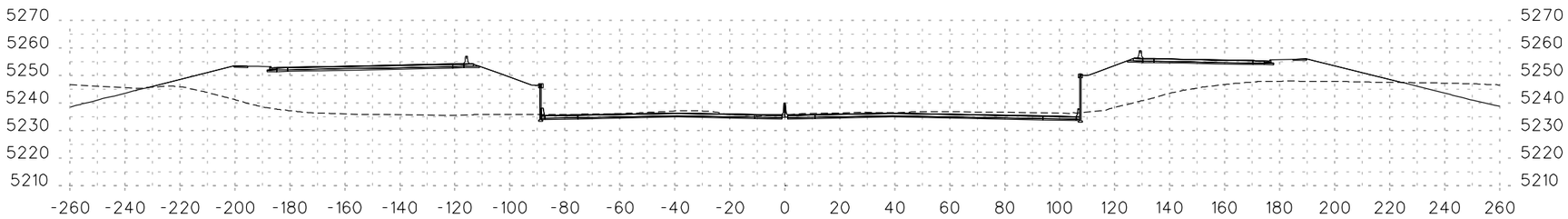
Project No./Code	
FBR 0704-234	
19631	
Sheet Number	123



STA.2100+00.0000



STA.2090+00.0000



STA.2080+00.0000

Kiewit meridiam PARTNERS

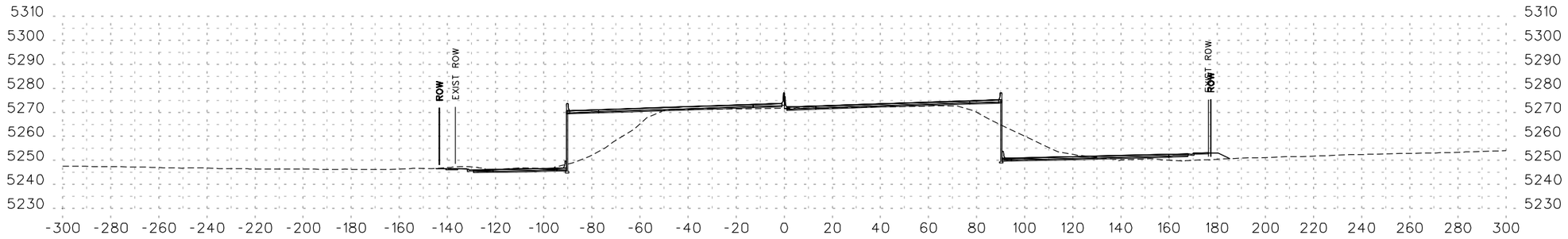
Central 70

0' 25' 50' 100'

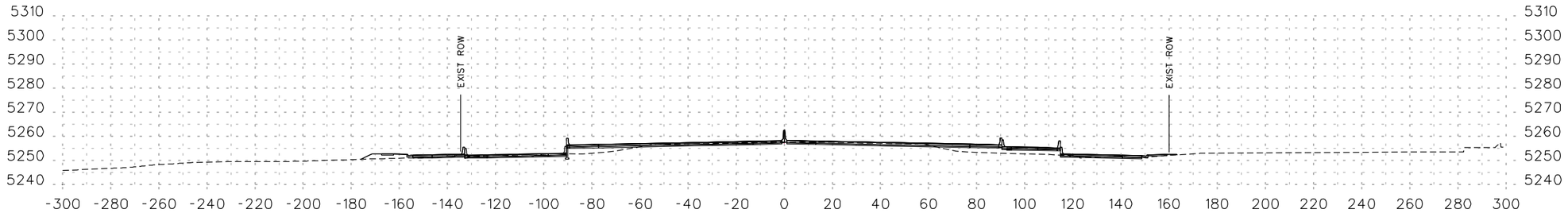
CENTRAL 70
CROSS SECTIONS
STA 2080+00 TO STA 2100+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	5 of 15

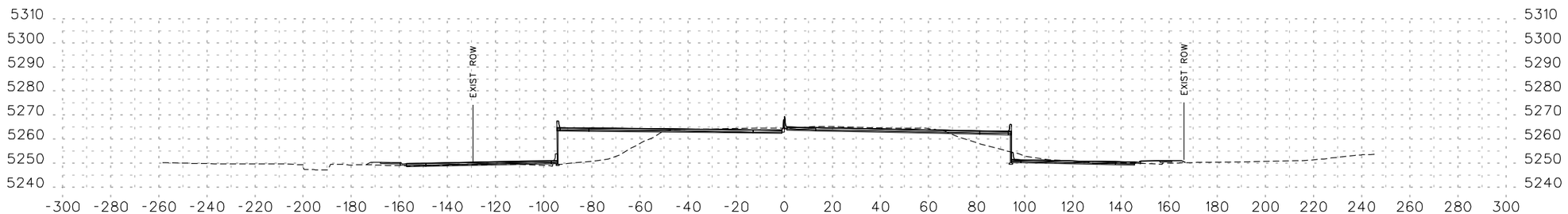
Project No./Code
FBR 0704-234
19631
Sheet Number 124



STA. 2130+00.0000



STA.2120+00.0000



STA.2110+00.0000

Kiewit meridiam PARTNERS

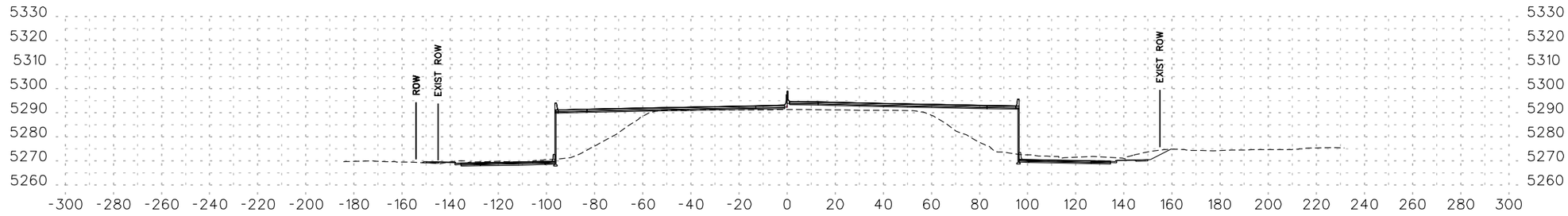
Central 70

0' 25' 50' 100'

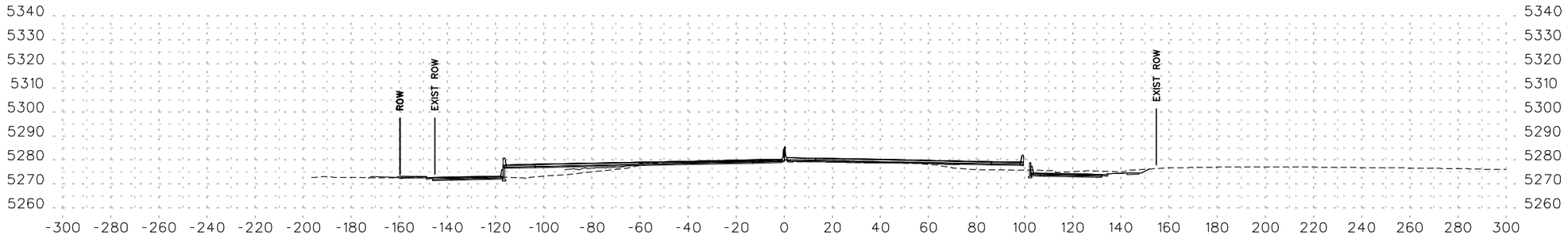
CENTRAL 70
CROSS SECTIONS
STA 2110+00 TO STA 2130+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	6 of 15

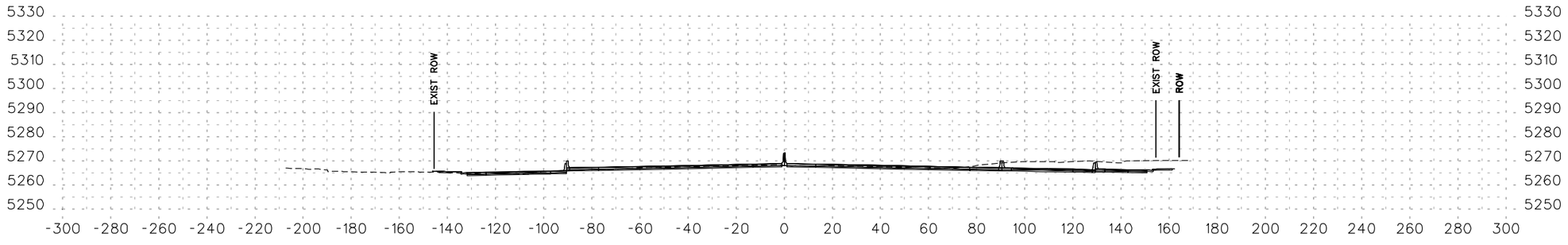
Project No./Code
FBR 0704-234
19631
Sheet Number 125



STA. 2160+00.0000



STA. 2150+00.0000



STA. 2140+00.0000

Kiewit meridiam PARTNERS

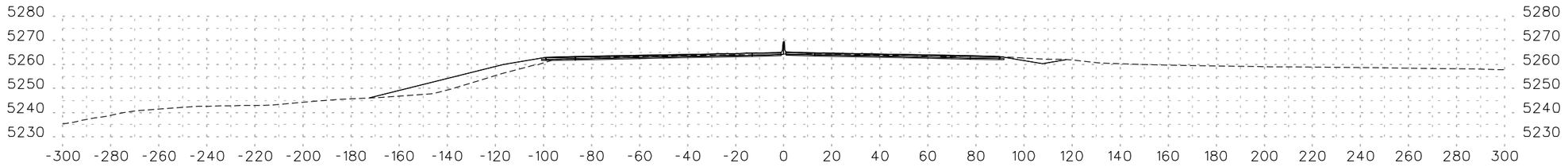
Central 70

0' 25' 50' 100'

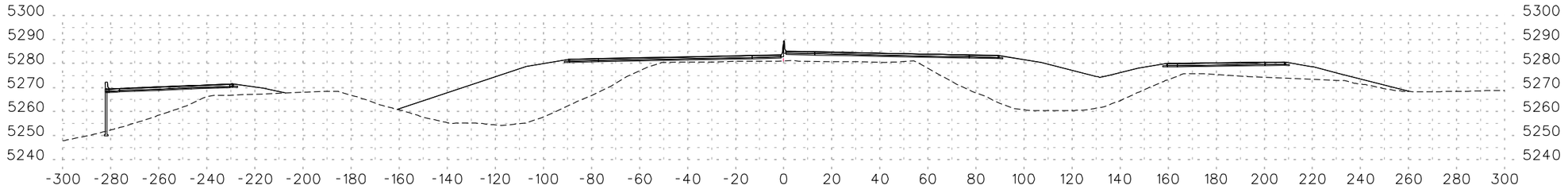
CENTRAL 70
CROSS SECTIONS
STA 2140+00 TO STA 2160+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	7 of 15

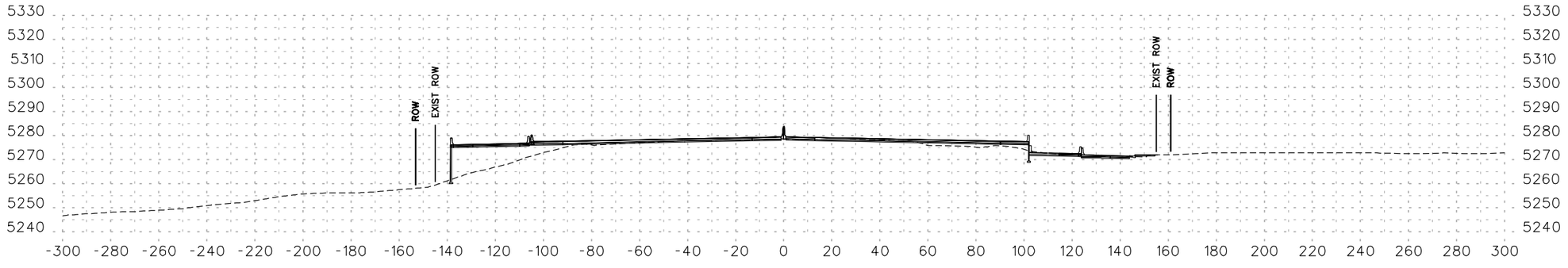
Project No./Code
FBR 0704-234
19631
Sheet Number 126



STA.2190+00.0000



STA.2180+00.0000



STA. 2170+00.0000

Kiewit meridiam PARTNERS

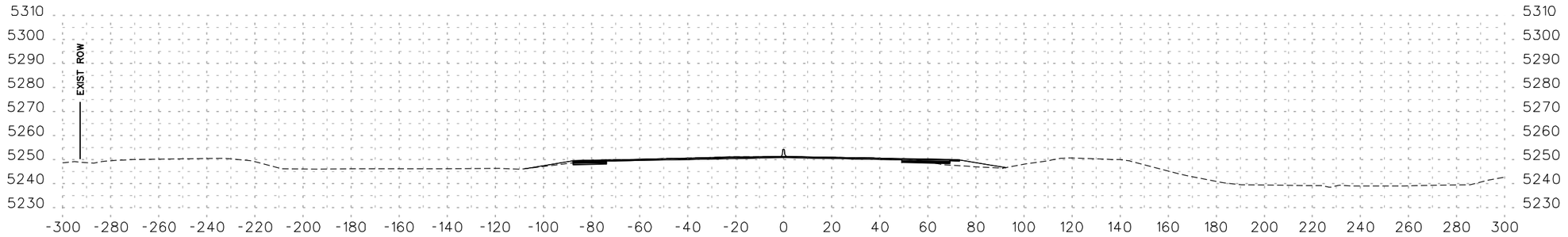
Central 70

0' 25' 50' 100'

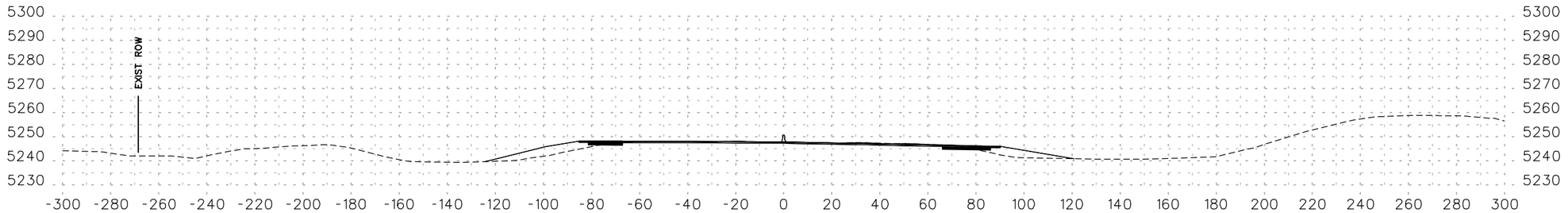
CENTRAL 70
CROSS SECTIONS
STA 2170+00 TO STA 2190+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	8 of 15

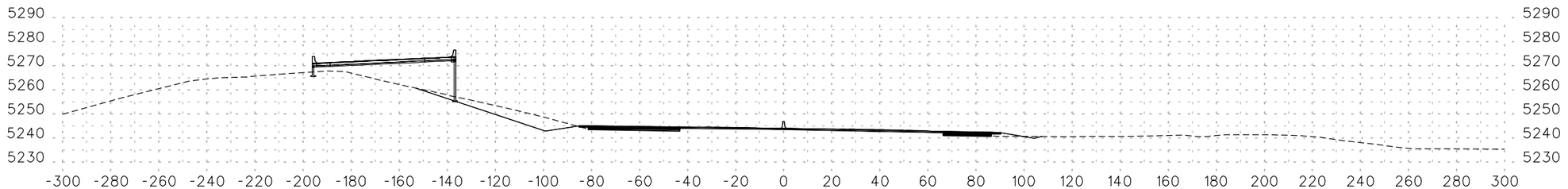
Project No./Code
FBR 0704-234
19631
Sheet Number 127



STA.2220+00.0000



STA.2210+00.0000



STA.2200+00.0000

Kiewit meridiam PARTNERS

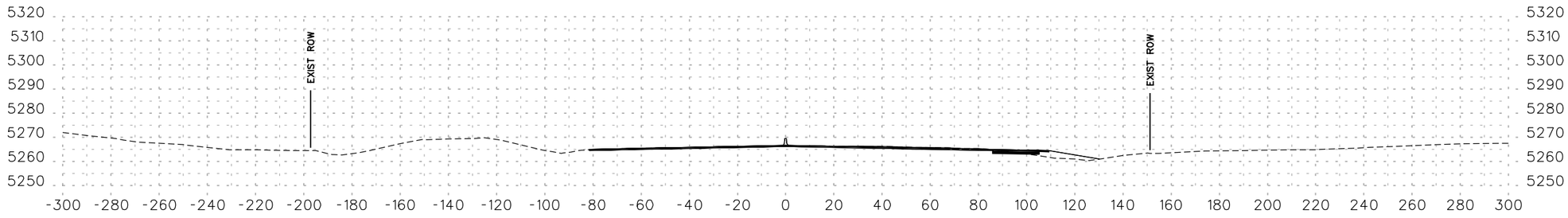
Central 70

0' 25' 50' 100'

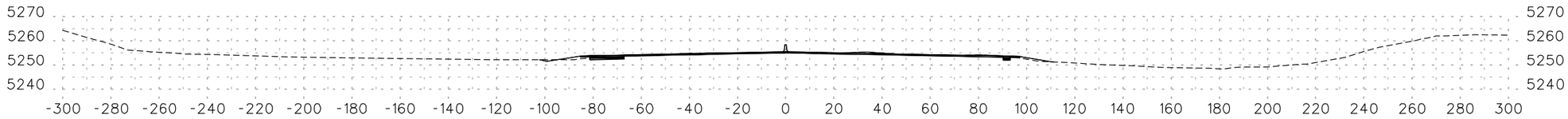
CENTRAL 70
CROSS SECTIONS
STA 2200+00 TO STA 2220+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	9 of 15

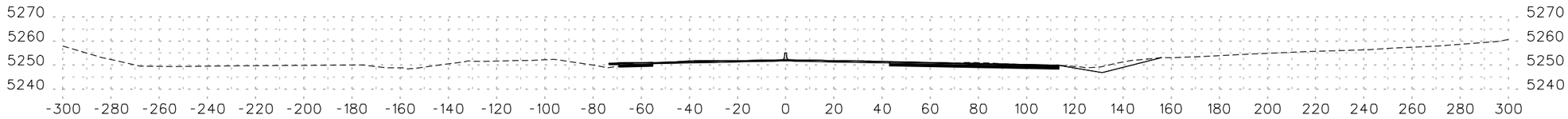
Project No./Code	
FBR 0704-234	
19631	
Sheet Number	128



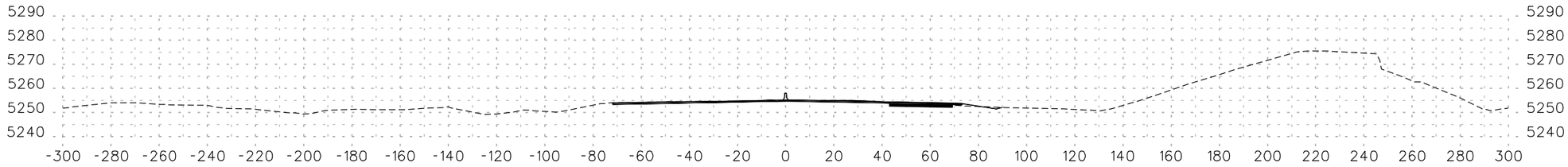
STA.2260+00.0000



STA.2250+00.0000



STA.2240+00.0000



STA.2230+00.0000

Kiewit meridiam PARTNERS

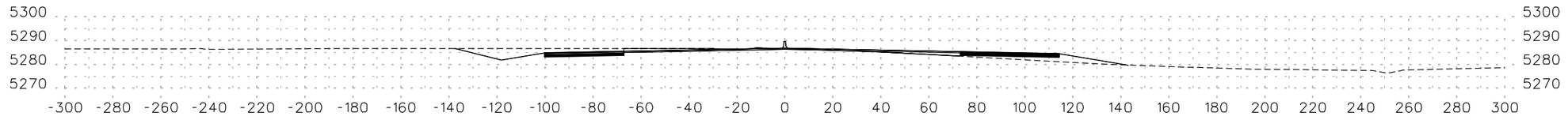
Central 70

0' 25' 50' 100'

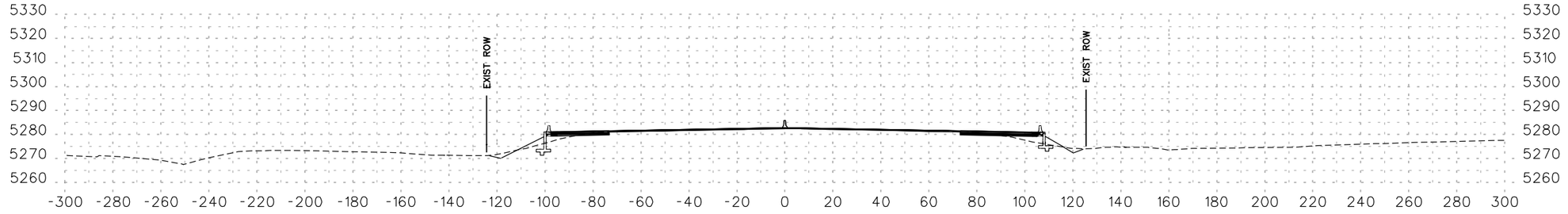
CENTRAL 70
CROSS SECTIONS
STA 2230+00 TO STA 2260+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	10 of 15

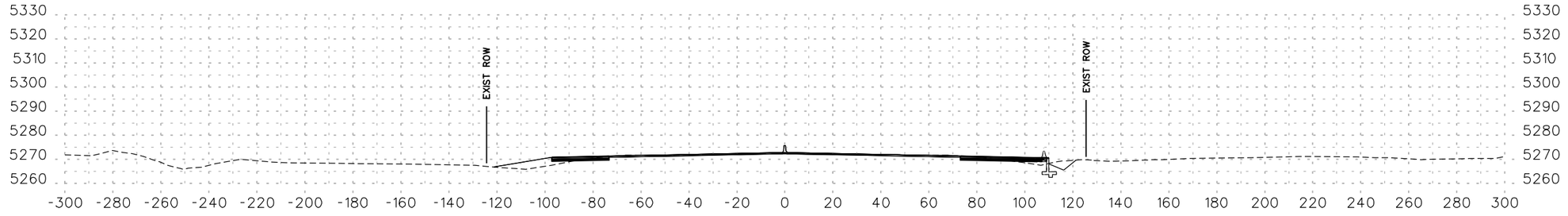
Project No./Code
FBR 0704-234
19631
Sheet Number 129



STA.2290+00.0000



STA.2280+00.0000



STA.2270+00.0000

Kiewit meridiam PARTNERS

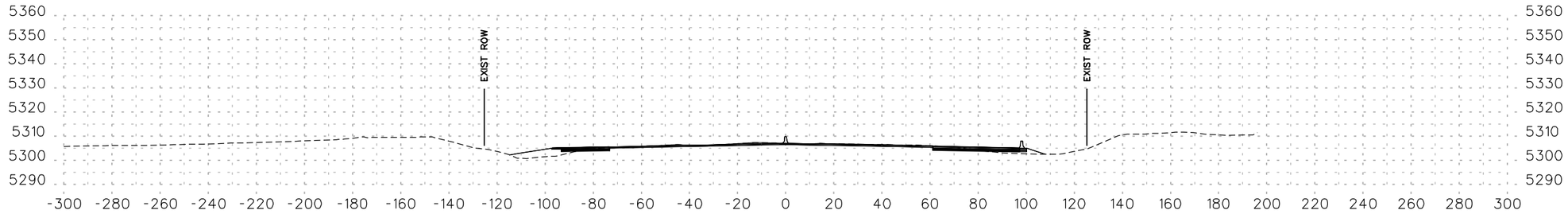
Central 70

0' 25' 50' 100'

CENTRAL 70
CROSS SECTIONS
STA 2270+00 TO STA 2290+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	11 of 15

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	130



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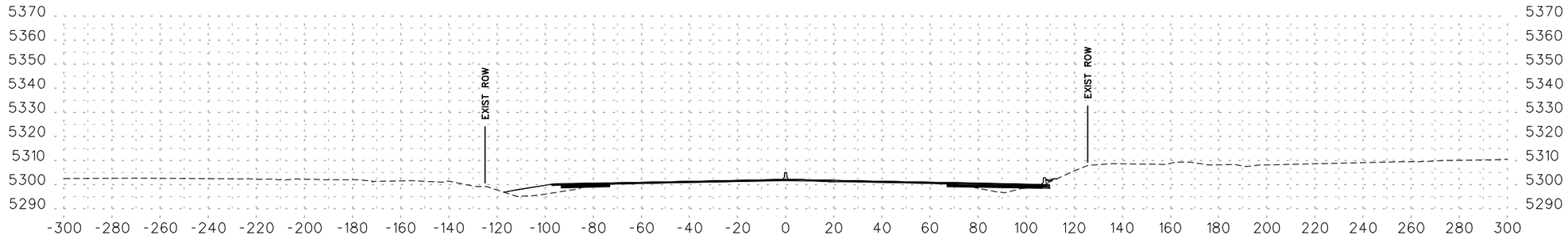
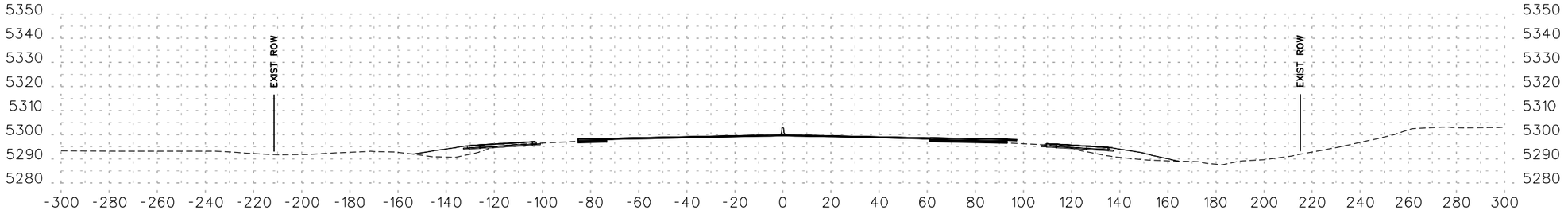


STA.2310+00.0000



STA.2300+00.0000

Kiewit meridiam PARTNERS

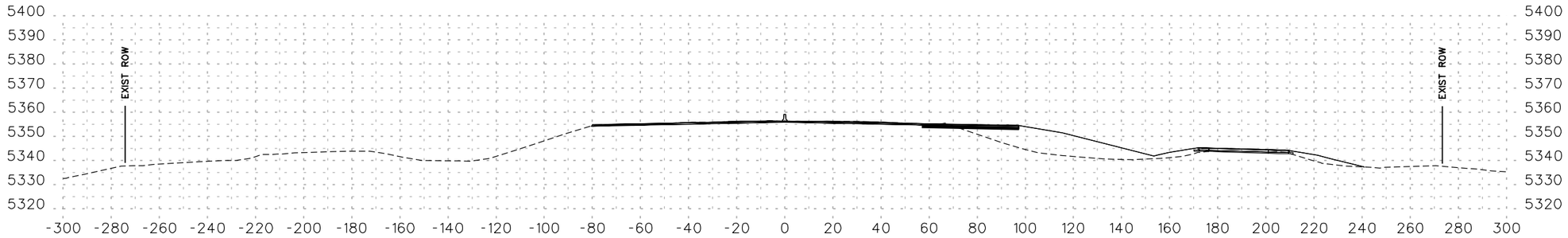
Central 70

0' 25' 50' 100'

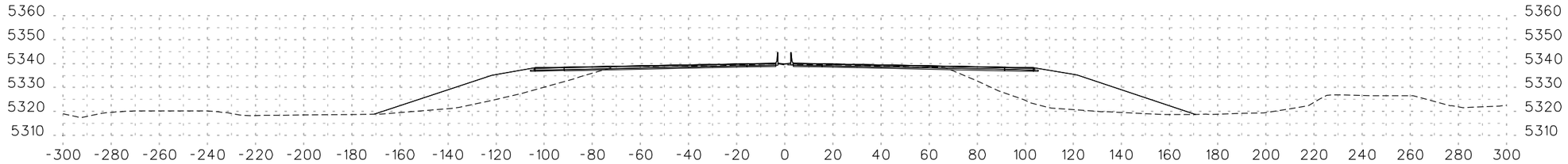
CENTRAL 70
CROSS SECTIONS
STA 2300+00 TO STA 2320+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	12 of 15

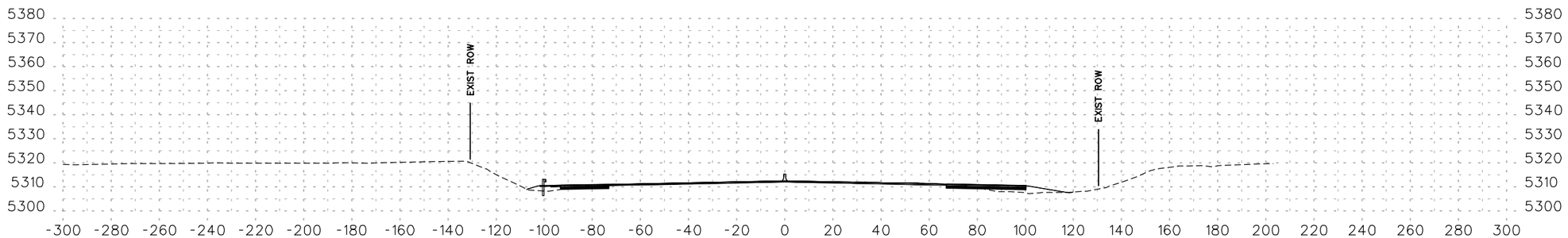
Project No./Code
FBR 0704-234
19631
Sheet Number 131



STA.2350+00.0000



STA.2340+00.0000



STA.2330+00.0000

Kiewit meridiam PARTNERS

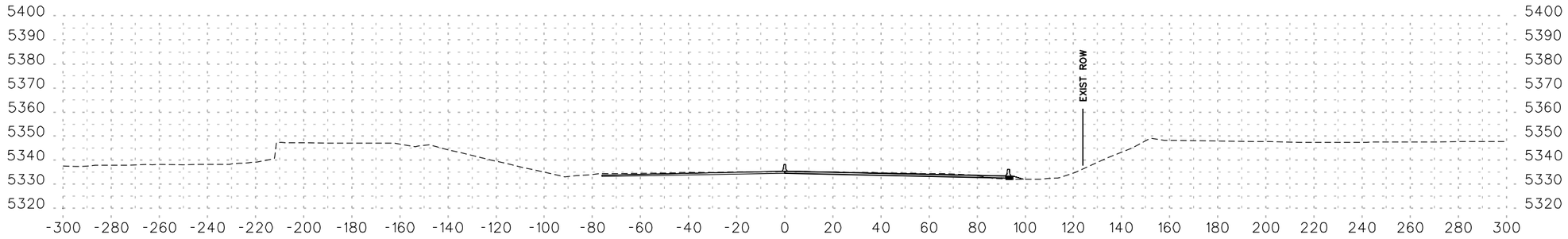
Central 70

0' 25' 50' 100'

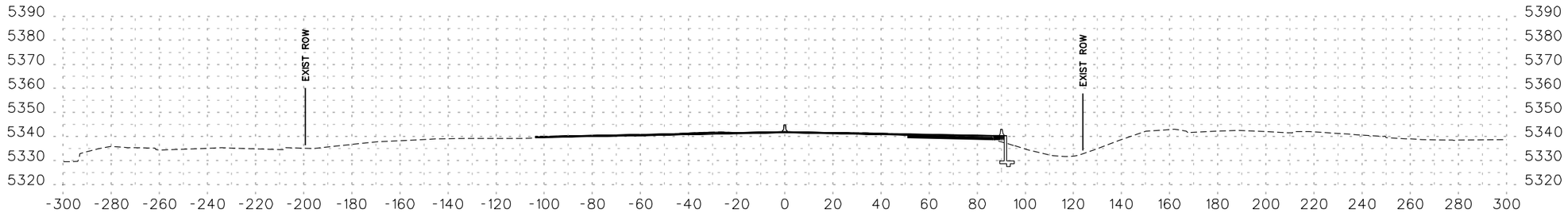
CENTRAL 70
CROSS SECTIONS
STA 2330+00 TO STA 2350+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	13 of 15

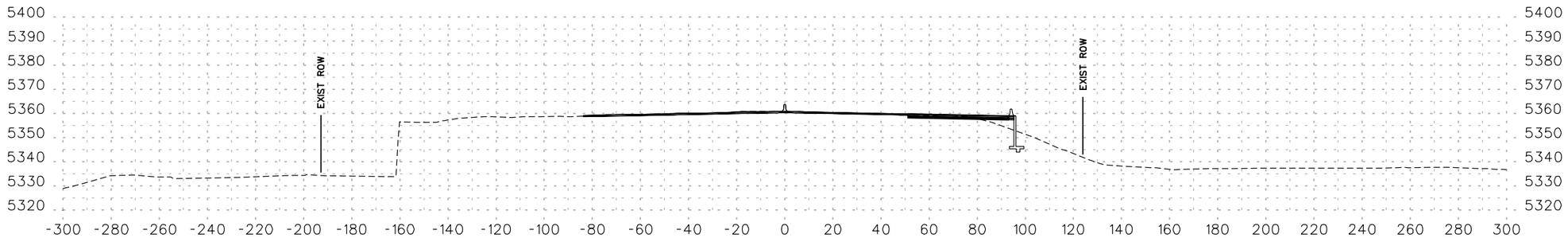
Project No./Code	
FBR 0704-234	
19631	
Sheet Number	132



STA.2380+00.0000



STA.2370+00.0000



STA.2360+00.0000

Kiewit meridiam PARTNERS

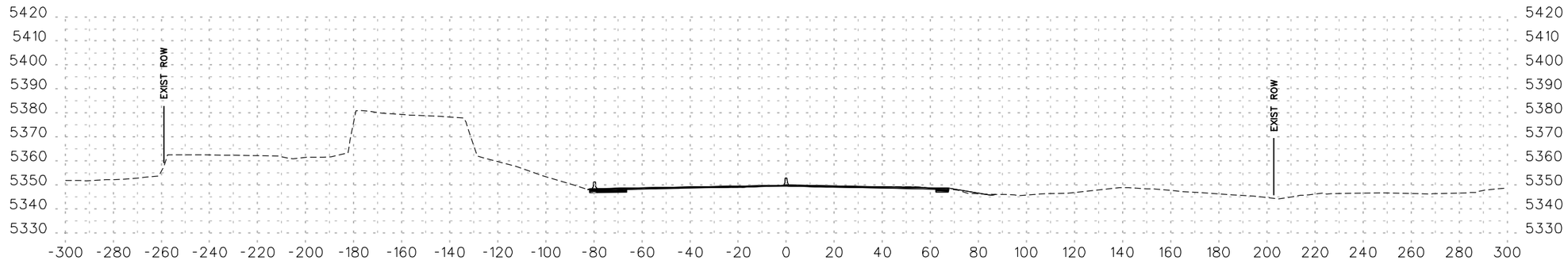
Central 70

0' 25' 50' 100'

CENTRAL 70
CROSS SECTIONS
STA 2360+00 TO STA 2380+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	14 of 15

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	133



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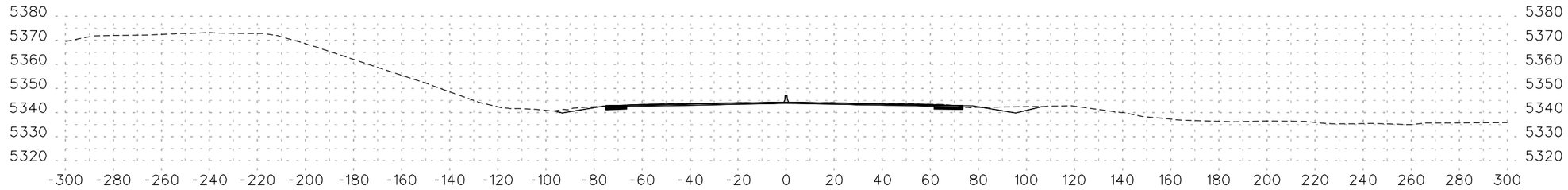

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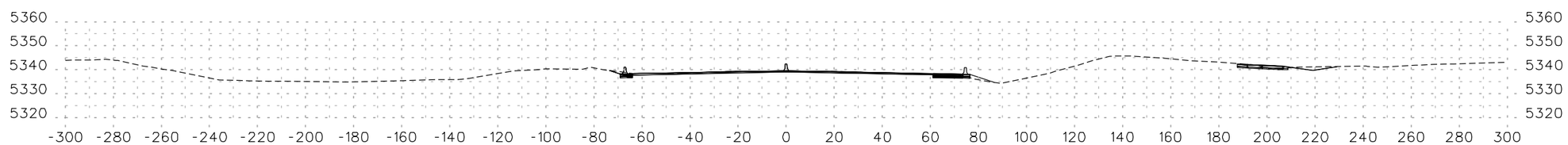


STA.2390+00.0000

Kiewit meridiam PARTNERS

Central 70

0' 25' 50' 100'

CENTRAL 70
CROSS SECTIONS
STA 2390+00 TO STA 2410+00

Designer:	KMP	Structure Numbers	-
Detailer:	KMP		-
Subset: CROSS SECTIONS		Subset Sheets:	15 of 15

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	134

PoDI / NHS	
FHWA PROJECT OF DIVISION INTEREST (PoDI)?	□ NO ■ YES
NATIONAL HIGHWAY SYSTEM?	□ NO ■ YES

DEPARTMENT OF TRANSPORTATION
STATE OF COLORADO

HIGHWAY CONSTRUCTION BID PLANS OF PROPOSED
FEDERAL AID PROJECT NO. FBR 0704-234
INTERSTATE HIGHWAY NO. 70
DENVER COUNTY
CONSTRUCTION PROJECT CODE NO. 19631

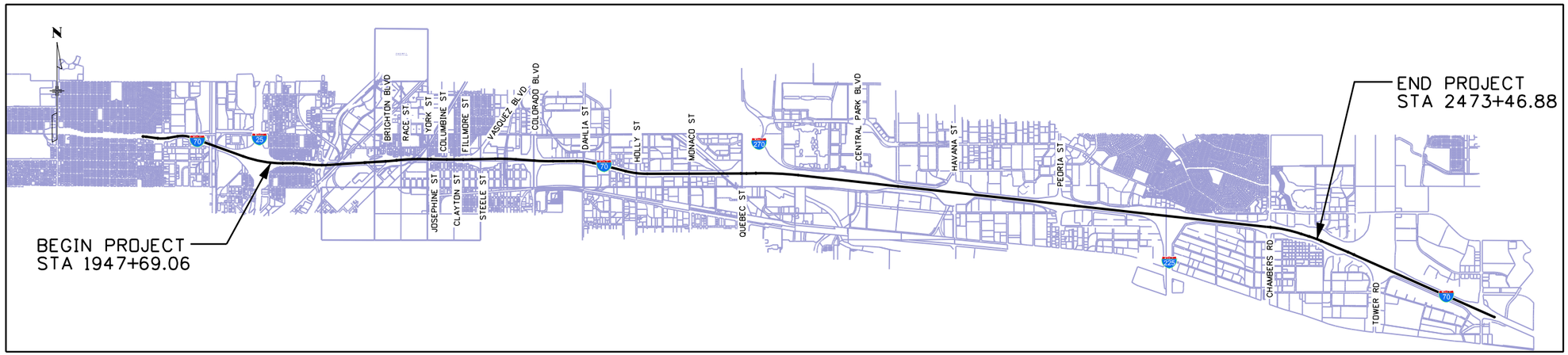
Related Projects:
P. E. UNDER PROJECT: FBR 0704-234
Project Number 19631
Project Code:

R.O.W. Projects:
R.O.W. Project Description
FBR 0704-234, 19631

TABULATION OF DESIGN DATA

DESIGN DATA	I-70 MAINLINE	RAMPS	LOCAL STREETS (2 LANES)	LOCAL STREETS (4 OR 6 LANES)
DESIGN SPEED	60 - 70 MPH	45 - 55 MPH	25 - 35 MPH	35 - 45 MPH
MINIMUM RADIUS	1330 - 2040 FT	643 - 1060 FT	198 - 510 FT	510 - 1039 FT
S.S.D. (LEVEL GRADE)	570 - 730 FT	360 - 495 FT	155 - 360 FT	250 - 360 FT
CLEAR ZONE - MINIMUM	30 FT	16 - 20 FT	N/A	20 FT
CLEAR ZONE - DESIRED	34 FT	18 - 22 FT	N/A	22 FT
SUPERELEVATION (eMAX)	6%	6%	NORMAL CROWN	NORMAL CROWN
GRADE (MAXIMUM)	3% - 4%	4% - 6%	3% - 6%	6%
GRADE (MINIMUM)	0.5% - 0.75%	0.5%	0.5%	0.5%
2012 AADT	247000	15000	7400	33000
DHV % TRUCKS	0.08	0.08	0.1	0.09

APENDIX A - (BINDER 5 OF 13)



PROJECT LOCATION MAP

Kiewit meridiam PARTNERS

Central 70

0' 3,000' 6,000' 12,000'

Contract Information	
Contractor:	
Resident Engineer:	
Project Engineer:	
PROJECT STARTED: / /	ACCEPTED: / /
Comments:	

Project No./Code	
FBR 0704-234	
19631	
Sheet Number	1

KMP has provided a full Evaluation Criteria Matrix to align the requirements of the Draft Design Drawings per the Instructions to Proposers with the drawings provided.

	Item	Presented On	Roll Plots	Binder 2 of 13	Binder 3 of 13	Binder 4 of 13	Binder 5 of 13	Binder 6 of 13	CHECK
A. DRAFT ROADWAY DESIGN DRAWINGS	i. General Project roadway information including Project limits, design speeds, functional classification(s), and minimum design values met	Title Sheet for Each Plan Volume		X	X	X	X		☐
	ii. Project horizontal alignments including PI station/location, degree of curve, radius, length of curve, PC and PT (graphical location) and bearings shown on a schematic plan at 1” to 100’, or 1” to 200’ scale and on Plan sheets at 1” to 100’ scale	Alignment Plans		X					☐
	iii. All lanes on mainline ramps and cross streets, including turn lanes	Roadway Plans		X					☐
	iv. Project planimetrics including curbs and barriers, driveways and edge of pavement	Roadway Plans		X					☐
	v. Bridge locations and limits, bridge types, foundation types, controlling vertical clearances, and span arrangements	Bridge Plans				X			☐
	vi. Preliminary wall types, proposed locations and limits for retaining walls	Retaining Wall Location Plans				X			☐
	vii. Approximate locations of proposed site access and borrow and waste sites	Roll Plot	X						☐
	viii. Directional arrows indicating the number of lanes	Roadway Plans		X					☐
	ix. Proposed right-of-way (ROW) limits and control of access limits including any Additional Right-of-Way and any Temporary Properties that, in each case, Proposer has identified as necessary to implement its Proposal	Roadway Plans		X					☐
	x. Existing/natural ground and project and vertical alignments including vertical clearance, grades, VPI station, vertical curve length and K-values shown on profiles at a scale of horizontal - 1” = 100’ and vertical - 1” = 20”	Roadway Profiles			X				☐
	xi. Typical sections including existing ground, pavement cross slope, super-elevation, lane and shoulder widths, and slope ratio for fills and cuts, drainage and ditches, legend of material types and thicknesses	Typical Sections		X					☐
	xii. Cross sections of the mainline at a spacing of 1,000 ft. and at a scale of 1” = 50’ (horizontal and vertical)	Cross Sections				X			☐
	xiii. Location and text of the large guide signs	Roll Plot	X						☐

	Item	Presented On	Roll Plots	Binder 2 of 13	Binder 3 of 13	Binder 4 of 13	Binder 5 of 13	Binder 6 of 13	CHECK
B. DRAFT DRAINAGE DRAWINGS	i. Location of major drainage elements including trunk lines and cross culverts	Drainage Plans			X				☐
	ii. Outfall locations	Drainage Plans			X				☐
	iii. Water quality features including detention and retention structures	Drainage Plans			X				☐
	iv. Connections to existing systems	Drainage Plans			X				☐
C. DRAFT COVER AND SWANSEA ELEMENTARY SCHOOL LANDSCAPE AND AESTHETIC DESIGN DRAWINGS	i. Urban design plans, which shall be consistent with the requirements therefor specified in Section 14 (*Landscaping and Aesthetics*) of Schedule 10 (*Design and Construction Requirements*) to the Project Agreement, excluding the visual renderings otherwise required by Section 14.5.5.e of Schedule 10 (*Design and Construction Requirements*) to the Project Agreement	Urban Design Plans and Landscape Narrative					X		☐
	a. Narrative of the Developer's design process to be completed and approach to achieving the vision set forth for the space both in program and character.	Urban Design Narrative					X		☐
	b. Narrative and plans that outline the opportunities and constraints in the design and construction Elements.	Urban Design Narrative; Cover Landscaping Detail Plans					X		☐
	c. Narrative and plans for the cross streets, Columbine, Clayton, and 46th Avenue, depicting the character and context of how they relate to the Cover and Swansea Elementary School outdoor areas landscaping and aesthetic designs.	Urban Design Narrative; Cover Landscaping Detail Plans					X		☐
	d. Narrative and plans related to the coordination and integration of other disciplines including structures, the Cover MEP System, drainage, roadway, utilities, and lighting.	Urban Design Narrative; Cover Structure and Systems Plans					X		☐
	e. The Developer shall provide visual renderings that show the proposed designs.	Not Required for Proposal							☐
	f. The Developer's Preliminary Landscape and Aesthetics Plans shall include plans, elevations, sections, perspectives, isometric drawings, details, etc., as necessary to fully convey the proposed Cover and Swansea Elementary School outdoor areas landscape and urban designs including color and texture applications; drawings, tables and schedule that show where specific Elements are located; and plant palette schedules, size, number, location of trees, shrub beds, accent beds, and planning types.	Cover Landscaping Detail Plans					X		☐
	g. The Developer's landscape and aesthetics work shall include underground permanent irrigation systems to maintain plant material in accordance with DPR Planning, Design + Construction Standards.	Cover Landscaping Detail Plans					X		☐
	ii. Materials and layout details for each of the program Element requirements identified in Schedule 10B (Contract Drawings) to the Project Agreement	Cover Landscaping Detail Plans					X		☐
	iii. Grading and drainage plans	Cover Landscaping Detail Plans					X		☐
	iv. Preliminary landscape, irrigation and aesthetics plans, which shall be consistent with the requirements therefor specified in Section 14 (Landscaping and Aesthetics) of Schedule 10 (Design and Construction Requirements) to the Project Agreement	Cover Landscaping Detail Plans					X		☐
	v. Section elevations depicting the proposed surface topography and key site Elements	Cover Landscaping Detail Plans					X		☐

	Item	Presented On	Roll Plots	Binder 2 of 13	Binder 3 of 13	Binder 4 of 13	Binder 5 of 13	Binder 6 of 13	CHECK
D. DEWATERING PLAN	Draft dewatering design and/or, if and to the extent water will be treated on-site, a Draft Remedial Management Plan (a "RAMP") that meets CDPHE requirements for the Construction Period and Operating Period	Draft Remediation Activities Management Plan						X	☐
E. GOVERNMENT APPROVALS	Identification of alignments or other elements proposed by Proposer's schematic to the extent they will require an evaluation for compliance with existing Governmental Approvals and possibly re-evaluations and delays associated with such re-evaluations.	Design Approvals						X	☐

Urban Design Narrative

Central 70 is the result of years of hard work and countless hours of planning, collaboration, and creativity focused on providing a modern transportation solution along the I-70 Corridor through Denver benefitting local communities. In creating the Covered Section of I-70, a community divided by the original I-70 construction is reunited through a state-of-the-art urban park. In short, we are going to take the mistakes of the past and transform them into a park that is a gift to the future. **KMP is excited about the opportunity to assist the Department with delivering the Vision of the Cover Park to the community.**

Without question, the Department's Design for the Cover Park has the spatial and aesthetic appeal to make it a valued gathering place for the surrounding neighborhoods. The new park builds upon the community significance of Swansea Elementary School, adds quality play experiences, and provides a venue for events, small gatherings, or individuals. It is a place of quiet where highway noise now permeates. A restful, playful, meaningful public space to replace the no-man's-land existing beneath I-70 today.

Using the Designs provided by the Department as part of the Project Agreement, KMP has prepared Preliminary Landscape and Aesthetics Plans for the Cover and Swansea Elementary School outdoor areas as part of our Proposal. In the sections below, we present our understanding of the context and requirements of the Cover Park, and outline our vision for the transformative process of building a vibrant park.

Community Context

Our ability to implement the Department's Vision for the Cover Park starts with a deep understanding of the context, culture, and economic realities of the community. This understanding creates opportunities to build upon the Department's efforts, and craft design solutions which make the Vision a reality. KMP blends the engineering expertise needed to create a functional, constructable, and maintainable space, with the creative mandate to create a truly great public space resonating powerfully with the community. KMP's creative designers and constructors have the skills and experience to produce a truly transformational place—a park capable of changing people's lives.

LOCATION AND CONTEXT: Denver's diverse neighborhoods are reflective of the city's history. As the city grew outward from its roots at the confluence of the South Platte River and Cherry Creek, centers of commerce spread along watercourses and historic trails. Railroads later followed the level ground near the rivers, bringing people and goods to supply a growing city. As Denver grew, industry stoked the fires of commerce, attracting workers from other parts of the country and immigrants from other parts of the world.

1890's View of Omaha & Grant Smelting & Refining Co.

The area north of Downtown, with its easy access to the river and railroad service, became a home for much of Denver's industry. Smelters refined the ore shipped by rail from the mountain mines, while the region's cattlemen adopted Denver as their gathering spot. The smelters, stockyards, and packing houses needed workers, and the nearby neighborhoods of Globeville, Elyria, and Swansea blossomed. Newcomers to Denver flocked here due to the availability of work and affordability of housing. But over time, subsequent industrial and highway development, particularly construction of the original I-70, impacted and bisected these communities.

The Vision

The need to reconstruct the aging infrastructure along I-70 presents the Department with a unique challenge: how to improve a vital link in the region's transportation network while at the same time reconnecting communities. In creating the Cover, a community fractured by past highway development is reunited through the formation of a special place. **The Vision for Central 70 is to create opportunities for the future.** The Cover Park is the new heart of a neighborhood, where people come to see and be seen, to play, walk, talk—a place where friends play chess under the shade of a tree, where kids cool off in the splash pad. The park and the central pedestrian promenade are a gathering place for the community, a place to share ideas, to celebrate and relax, and to feel connected within the community. The neighborhoods of Swansea, Elyria, and Globeville deserve such a place, and the proposed Central 70 Cover Park makes that Vision a reality, consistent with the history and traditions of the community, the City of Denver, and the state of Colorado.

The Cover Park emulates the main plaza of a town, providing a common gathering place and social hub for community events at the heart of the neighborhood, much in the same way Civic Center Plaza was the gathering hub when the Broncos won the Super Bowl.

To be the neighborhood's gathering place, the Cover Park must be knitted into the fabric of the community. Swansea Elementary School is already a focal point in the neighborhood, so the Department's plan to create a park in and around the school is logical, and enhances the school's place as the heart of the neighborhood.

Design Process and Approach to Achieving the Vision

KMP's approach to the Design of the Cover Park uses a proven process involving a complete understanding of the concept, development of details, embracing public input, and adhering to quality.

START WITH A BOLD VISION: As the center point of the Swansea, Elyria, and Globeville communities, the Cover Park is a special place. There is nothing like it anywhere in Denver. KMP's design process embraces the Department's Vision, and makes it into something practical, constructable, and inviting.

The boldness of the Department's Vision is in requiring not just a park, but rather a destination. Where now there is no park, soon there will be food festivals, performances by local bands, children having fun in the cool waters of the splash pad, and pickup games of soccer and touch football. The Vision is a beautifully lit park, welcoming and safe, connecting communities, teeming with life each day of the week, and becoming a hub of activity on the weekend—a place where each visitor can relax in their own way.

46th Avenue South Plaza at Thompson Court

Our design process focuses on those in the neighborhoods who will call this park their own. We will continue to listen to their voices to create spaces meeting the needs, expectations, and desires of the community.

UNDERSTAND THE PROGRAM: To properly design the park, we focus first on the program elements. Every park has a global function, composed of individual elements operating as a cohesive whole. Like all the parks we design, this park will be unique and a reflection of the culture and expectations of the community. We start with a review of each area so we understand how it fits into the park as a whole, and how a particular space functions relative to its specific and intended use. The documents included in the Project Agreement that define the areas and program elements are the basis for Final Design of the Cover Park.

The park has two main areas: Planning Area 1 and Planning Area 2. Below is a description of each area, and the detailed program elements within them. Plans depicting the planning elements are included further on in this volume.

Planning Area 1 encompasses the region adjacent to Swansea Elementary School (SES), and contains the following program elements:

- **Parking Lot and Drop-Off:** Project Agreement requirements are met relative to parking capacity and drop-off function. Our landscaping is per City and County of Denver (CCD) standards, and is coordinated with the Denver Public Schools (DPS) Phase II Development Plans.
- **Play Courts:** All play areas associated with SES are designed to maximize the enjoyment of play with a focus on safety and security. Flexibility is important as well, because we expect this area to be used for a wide range of activities like outdoor school gatherings, concerts, assemblies, and festivals.
- **Playground:** The playgrounds are appropriately designed for the age of the user, with distinct areas for younger and older students.
- **Outdoor Classroom:** Outdoor classroom spaces let teachers bring their class into the park, holding sessions under a shade structure surrounded by nature.

KMP's Team Member Civitas has been instrumental in development of urban parks such as St. Patrick's Island Park in Calgary, AB. Their experience provides the Department with a proven process to craft the Cover Park Vision

- **Perimeter Fencing:** Play courts and playground areas are enclosed to secure the area during school hours. Access gates are provided.

Planning Area 2 is located on the Cover and the adjacent portions of 46th Avenue North and South, and contains the following program elements:

- **Multi-Purpose Field:** An artificial turf athletic field is provided for use by SES during school hours, and open to the community during off-hours. The field is sized and striped per the Project Agreement, and includes a running track, also composed of artificial turf. To secure the field when in school use, a perimeter fence with access gates is provided. Structural loading within the field area accommodates a variety of events, including maintenance operations.
- **The Central Plaza:** This Plaza serves as the park's major pedestrian connection from the neighborhoods on the north to those on the south, and provides access for emergency responders through the site. Two major site amenities—a shaded seating area and the splash pad—are located along this "main street" through the park. Integration of artistic

paving treatments enliven the experience. Landscaping softens the edges of the thoroughfare, with trees between the Central Plaza and the field providing shade and coolness during the heat of day. In the evening, up-lit trees reflect dappled light back to the plaza, and pole-mounted pedestrian fixtures illuminate the main walkways.

- **Events Lawn:** This sloping grass lawn area focuses on the amphitheater stage, making it a clear choice for concerts, movies in the park, and festival performances. The gradient of the slope is important—too steep and visitors could slip down the slope, too flat and it is difficult to see over the person in front. Drainage is also critical, as the soil needs to drain quickly to create a dry sitting surface, while retaining enough water to support turfgrass. Anchoring the space, the performance pavilion provides protection for performers while also providing a shady spot during non-performance times. The architectural character of the pavilion contributes to the visual beauty of the park. Our Design carefully considers placement of utilities and lighting to best support events within the park.
- **Tot Lot:** Set apart from the playgrounds associated with SES, this public play area appeals to younger children. Its central location enlivens the heart of the park, especially with its location next to the splash pad. Its Design conforms to Denver Parks and Recreation (DPR) standards as to play equipment, edging systems, and play surface. Whimsical lighting could be used to amplify the playful nature of this space.
- **The Splash Pad:** Sure to be a popular destination during the summer, the splash pad will be designed to maximize fun for the users with proper equipment selected for efficient maintenance. A splash pad must be carefully planned, as it is maintenance and equipment intensive. Pumping, filtration/purification, and electrical equipment are located within the nearby concession and restroom building; easily accessible for maintenance personnel, yet safely hidden from view. Surfacing is selected for its aesthetic appeal, as well as the need for slip-resistance and drainage. Seating is provided nearby, with shade provided by trees or structures. Lighting emphasizes the playful aspect of this space, while also respecting the need for safety and security.
- **Concessions/Restroom Building:** Located in the northeast corner of the park, east of the tot lot and splash pad, the building provides year round restroom facilities. This building has space for food and drink concessions, and for a meeting room. Taking advantage of the building's location off of the Cover, KMP's Design leverages this space by providing a basement housing mechanical and electrical equipment for the Cover Park, and for fire and life safety features for the roadway beneath.
- **East Side Community Space:** Between the amphitheater and Clayton Street, the East Side Community Area is the most informal of the areas within the park. An open disc of lawn is available for picnics, lawn games, sunbathing, and a host of other uses. Trees around the edges provide shade during hot days. An adventure play area, using natural materials such as wood, logs, and boulders to stimulate play (rather than "off the shelf" play equipment), creates a popular destination for younger kids. An iconic climbing structure is intriguing for children interested in having an elevated view of the park. At East 46th Avenue and Clayton, an entrance garden welcomes visitors with seasonally-changing flowering perennials and shrubs. Lighting this "outdoor room" creates a unique evening space within the park.
- **Columbine Street Cover Extension:** The "bookend" extensions at each end of the park are multi-purpose. They buffer the main portion of the park from highway noise, yet are unique and valuable spaces in their own right. At Columbine, a distinctive fence structure allows viewers to safely watch cars pass on the highway below, while affording a view of the mountains to the west. The fencing is crafted to also provide safety for vehicles on I-70, below. Raised planters provide opportunities for seating within a garden of shade trees and shrubs.
- **Clayton Street Cover Extension:** Unlike the Columbine extension, which brings visitors to the park's edge, the east/Clayton Cover "bookend" extension promotes activity within the park. Pragmatically, Cover mechanical and electrical systems are located here, with landscaping reducing the visual impacts of this equipment. The raised landscape area also gives rise to the mural wall, which has the flexibility to change over time and can be used to encourage neighborhood kids to create chalk art on its surface.

Clayton Street Extension with the Mural Wall

ATTEND TO THE DETAILS: It is often said that "Quality is in the Details." This is very true of outdoor environments like the Cover Park. Visitors notice how a wall meets the ground, the shape of a bench, or how a set of stairs begins and ends. Each detail of this park, no matter how small, must reviewed so it can be built to function and last, and to be aesthetically pleasing.

An over-structure landscape multiplies the technical complexity. Each detail must be studied as to its relationship to the structure, its impact on waterproofing systems, loading, relationships to other engineered systems and electrical connections, just to name a few of the challenges. The aesthetics of all visible elements must be integral to the design process as well, running hand-in-hand with the pragmatic concerns of bringing the Cover Park Design into reality. This attention to the details of designing and constructing the park requires experience, expertise, patience, and a

willingness to resolve every challenge as it arises. Below, we discuss how the Cover Park is coordinated and integrated with other disciplines, including roadway, structures, and systems.

ACHIEVE CONSENSUS: This Project is the result of years of public meetings and dialogue. As the Cover Park Design is finalized, additional discussions and presentations may be necessary to convey design refinements and confirm the community's trust from Final Design into Construction. It is important that the Department continues to lead the public involvement efforts, to keep the community informed as this Project becomes a reality.

Public meetings will be used to convey the design refinements as the Cover becomes reality

Regular meetings with the Department and representatives from CCD, DPR, and DPS during the Final Design process to maintain consensus are important to keep the Project on course and within everyone's expectations. Our Team's extensive experience with DPR gives us insight into designing with DPR's maintenance needs in mind.

As the Design is developed, we solicit additional community input. Finish colors, pavers, and even plantings benefit from local resident participation. As we have done on past projects, KMP develops an array of choices for a particular feature, and offers those choices for the public to decide. All items on our menu of options follow the Vision and intent of the Cover Park as depicted in the Project Agreement.

EMPLOY STRONG QUALITY CONTROL PROCEDURES: An integral step in our design process is doing it *Right First Time*. Quality is not an isolated event at the end of the process—it must be systematic, with careful attention to issues of constructability, longevity, and life cycle cost throughout the design process. Within the Central 70 process, designers have the invaluable opportunity to work with the Contractor and with CCD and DPR operations and maintenance (O&M) staff as the park Design is finalized and documented. Our Team, as discussed in the Design Quality Management Plan (Appendix D), has extensive experience on previous projects using discipline based task forces to ensure a quality design. Each task force includes members from KMP's Contractor staff and CCD and DPR O&M representatives to ensure that constructability and long-term operations and maintenance needs are integrated into the Design from the earliest stages. This collaborative approach optimizes the Design with respect to construction sequence, efficiency, maintainability, and quality.

Opportunities and Constraints

In the narrative blow and in the plans following in this volume, we present how opportunities are created for the Cover, and the constraints are overcome.

CONSTRAINTS: The first and most obvious constraint is the size and location of the park. The Cover is a fixed dimension, bound by roadways and existing residences. Unlike a more rural park, the viewsheds are constrained. The opportunity created by this constraint is twofold. First, north-south connectivity is used to overcome the east-west boundaries. By focusing the attention in a north-south direction, park patrons can be transported from one side of I-70 to the other, completely unaware of the roadway beneath. Second, the location enables us to create park spaces like the overlook on the Columbine Street extension, which showcase views of the Rocky Mountains to the west, enhancing the local cityscape.

Another obvious constraint is the structure supporting the park, which must be designed to resist a wide range of load cases, from large crowds to fire trucks. Mitigation for the loading constraint is the requirement to design the structure for additional loading beyond the predicted loading, offering future flexibility. In addition, KMP uses techniques like installing geofoam to offset soil weight, such as under the sloped lawn at the amphitheater.

OPPORTUNITIES: The Cover offers a range of opportunities to create a one of a kind park: a place to have fun and enjoy nature in an urban environment. But even more opportunities abound, that can be explored with the Department and the community during Final Design, including:

- **Create a Livable Place:** Above all, this park is a place designed to resonate with visitors. This is the art of our Design—to create a place that encourages people to develop a relationship with it over time. Within the configuration included within the Department's plans, we use materials, textures, lighting, and landscapes which exemplify the history and culture of this specific place. When in the park, the uniqueness and richness of the Swansea and Elyria neighborhoods are evident to its visitors. The park's Design causes people to feel the park is theirs by encouraging unique activities. The Mural Wall at the park's east end offers a palette for chalk artists, yielding a constantly changing artscape created by the community. Locations for public artwork abound throughout the park, and the community participation in the selection of the artists and the creation of the works, encourages interaction, a sense of unique "place," and generates pride in this new neighborhood amenity.
- **Make Great Streets for People:** Columbine Street, 46th Avenue South, and Clayton Street comprise the perimeter of the park. As such, the streetscapes along each are the public face of the park, requiring careful selection of lighting, furnishings, trees, plants, planters, and paving.
- **Design a Variety of Spaces:** The Cover Park Design includes wide-open spaces for field play, as well as shady garden spaces for people seeking more passive experiences. These spaces flow into one another, promoting movement and activity throughout the park. The palette of materials and colors for paving and site features are chosen for their capacity to both unify the park, and to create unique identities of the spaces within it.

- **Compose a Sequence of Varied Experiences:** Public spaces should have something new to offer visitors. Taking a different route through the park reveals something different about the light, the landscape, and the activities in which visitors are engaged. The Reference Design presents opportunities to enhance the experiences created when passing from shade to light, or from more intimately scaled spaces to those which are more open. This aspect is explored more fully in Final Design.
- **Connecting the Community:** Links from the Cover Park to other neighborhood parks can be explored, with future "green connections" constructed to reach into the community. The influence of the Cover Park on the community can be substantially enhanced if the park's edges are blurred, by driving green connections from the park into the surrounding neighborhoods. Widened treelawns, wayfinding signage, and special lighting in strategic locations would be used to provide visual and symbolic ties, helping knit the park into the fabric, culture, and everyday life of the surrounding neighborhoods. In this way, the park can exert a positive influence on the neighborhoods and their residents. The *Elyria and Swansea Neighborhood Plan* identifies this need to improve connectivity by recommending upgrades to specific intersections.
- **Highlight Seasonal Change:** Denver is blessed with a landscape that reacts beautifully to the changing seasons. Trees, shrubs, and perennial flowers are selected to bring color to the park during the warm seasons. Fall color changes the feel, and special holiday and decorative lighting makes the Cover Park come to life in the winter.
- **Safety, Safety, Safety:** Paramount to the success of any public space is not just the level of actual safety, but also that of ***perceived*** safety. Safety is therefore essential to the Design of the Cover Park. While the Design calls for security cameras and other features, it is the layout of the park features that really makes the difference. Our Design incorporates Crime Prevention through Environmental Design (CPTED) principles so that the public space is a safe and welcoming park space. Critical safety elements we use in the Cover Park Design are:
  - Developing visually permeable park edges, allowing views into and out of the park
  - Constructing lighting that enables nighttime park visitors to clearly view their path, allowing them to see plainly others who are approaching
  - Providing obvious and clear paths to park exits, and providing clear, inviting, and safe paths for walking and biking to both school and the park
  - Collaborating with DPR to promote programs within the park—an active park is a safer park
- **Quality:** To serve as the new heart of the community, the constructed park must incorporate materials and details that convey a lasting sense of care and quality. These need not be expensive materials, but do need to be durable, vandal resistant, and reflect an aspect of craft.
- **Longevity and Ease of Maintenance:** A well-designed public place becomes revered, vested with rich meaning over time. This does not happen without care, discipline, and determination during Design and Construction. Issues common to public parks, including vandalism and graffiti, are considered during Design when choosing finishes, fixtures, lighting, and site furnishings.
- **Flexibility:** The Cover Park must accommodate a wide variety of activities involving the school and community. The multi-purpose field hosts soccer games and a wide variety of community events. Concerts, presentations, and movie events are at home in the amphitheater. Lawn areas can be used for smaller gatherings, picnics, and parties. SES's parking lot can be used for festivals and food trucks. Even the park's off-the-beaten-path places are a welcome sight for those wishing to escape to the quiet areas of the park and read a book.

Future "Green Connections" can extend paths from the Cover to neighborhood parks and the planned second cover to the east

We expect more opportunities to arise as the park layout is finalized in partnership with the Department, CCD and the community.

Cross Streets

The cross streets, Columbine Street, Clayton Street, and 46th Avenue provide connectivity to the park, but also create boundaries. The Cover Park must be tied to these cross streets to truly develop the neighborhood connections. Included in this volume are plans of the cross streets and associated landscape details, with the roadway plans included in Binder 2 of Appendix A. The

various renderings of the Cover Park and cross streets within this narrative convey our approach to the fulfillment of the Department's Vision.

COLUMBINE STREET: Columbine Street connects into the west side of the Cover Park. The street provides connectivity north and south of the Park and access to Swansea Elementary School. To the west, the Cover extension has the overlook, seating, and planted areas. To the east are the the multi-purpose field, Central Plaza and East Community Space. On-street parking along Columbine Street, and wide sidewalks provide access for park patrons. The streetscape plantings along Columbine Street create an entranceway from the neighborhood to the Park and the outdoor areas attached to the school. As on the other perimeter streets, the landscaping acts as a buffer between pedestrians and the street.

Columbine Street Streetscape with the decorative fencing and the adiacent Multi-Purpose Field

46TH AVENUE SOUTH: Forty-Sixth Avenue carries two-way traffic as 46th Avenue North is discontinuous through the Cover area. While the configuration is similar to Columbine Street or Clayton Street, the 46th Avenue South streetscape feels more open, with trees on one side and the multi-purpose field on the other. The long view down the street gives visitors a sense of the park's extent. More on-street parking is provided for visitors, and wide sidewalks offer inviting access to all portions of the Park. The fence surrounding the multi-purpose field defines the back of the sidewalk, provides security for the field during school hours, and physically separates and screens the school from through traffic on 46th Avenue. The fences and gates within the park create opportunities for color and potentially artwork.

Further east along 46th Avenue South, near Thompson Court, the fence ends and walkways open directly into the park. The edges of the park are welcoming, with open landscape areas that invite visitors to enter. Additionally, the paving is more patterned, and trees and shrubs more prevalent, to mark the entrance into the community zone of the park.

46th Avenue South fence along the Multi-Purpose Field

CLAYTON STREET: The walkways and streetscape along Clayton Street are indicative of the importance of the north/south connection it provides. The *Elyria and Swansea Neighborhoods Plan* identifies Clayton Street as an important connection worthy of further study. Clayton Street connects Swansea Park to the north with the Cover Park, then Dunham Park and its playfields, and Bruce Randolph School further south. The landscaping on both sides of Clayton Street through the Park is dominated by trees. The streetscape further buffers pedestrians from the street traffic and offers a backdrop for the play area. Not offering parking along Clayton Street reinforces the use of this street as a major thoroughfare, yet the wide sidewalks and planted areas on both sides convey the connection to the Park beyond. On the extension, plantings mask the freeway below and the Mural Wall brings color to a small seating plaza.

Coordination and Integration of Other Disciplines

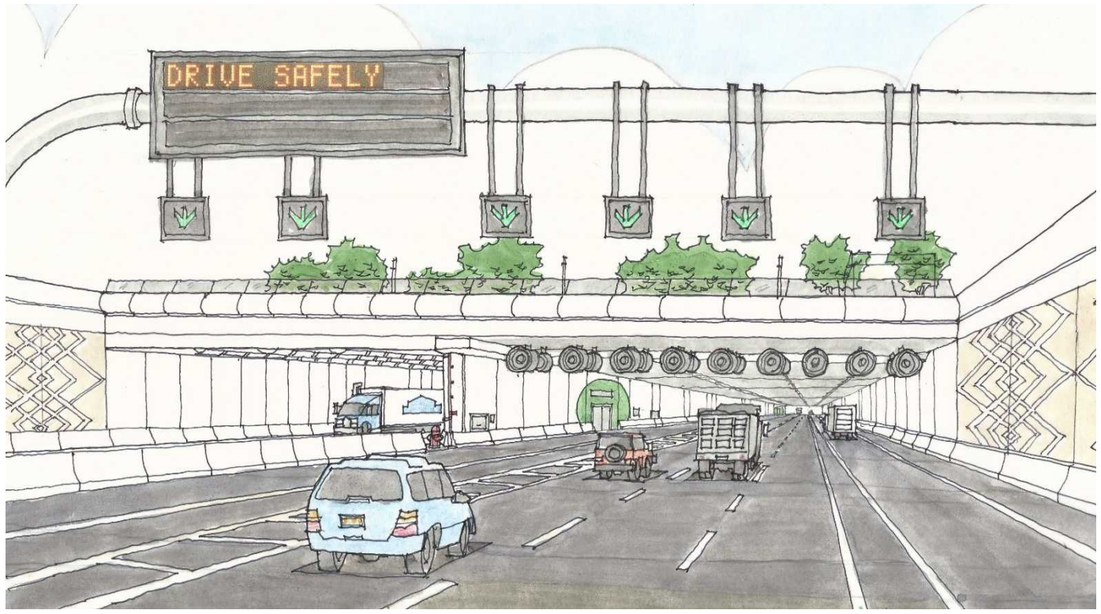
A park, ordinarily built on solid ground, is an orchestration of its combined elements. When constructed on a structure over one of the busiest freeways in Colorado, the need for coordination intensifies greatly, to integrate the Design, Construction, Operations, and Maintenance needs of the structure, the roadway underneath, and the park atop the Cover. To create the park, Design disciplines must closely collaborate to ensure all systems work together. Preliminary plans of the Cover structure, systems, and other components are included in this Volume, and plans of Roadways are included in the Binder 2 of Appendix A. To develop the preliminary design KMP presents, the designers, constructors, operators, and maintainers have collaborated to refine the Reference Design, as described below.

COVER STRUCTURE: Tying together all parts of the Cover, the supporting structure safely accommodates the weight of all features: plants, soil, park structures, traffic, lights, visitors, and dynamic loading induced by Cover activities, together with the weight of emergency and service vehicles. The majority of the structure is composed of adjacent precast concrete box beams. At several key locations, we introduce a trough section between the boxes. These troughs are used to convey drainage piping and conduits for Cover systems; accessible if needed, but out of sight of to park patrons.

PARK SURFACE STRUCTURES: Park structures include shade structures, the pavilion, and the concession/restroom building. Surface structures will have a common architectural theme following the outline of the Reference Design. At the Pavilion, a secure equipment room is included to support power needed for a variety of events like movies, concerts, and theater performances.

The restroom/concession building combines the publicly accessible portions of the Park such as the restrooms with non-public spaces like equipment rooms and the backup Cover control room. The meeting room in the restroom/concession building serves both as a community gathering place and as a briefing room in the event of an incident under the Cover.

COVER MECHANICAL, ELECTRICAL AND PLUMBING (MEP) SYSTEMS: Associated with the roadway beneath the Cover Park are the fire and life safety systems (FLS) which are deployed in the event of an emergency. FLS uses jet fans, and a fixed firefighting system for containing a fire until first responders arrive. Lighting with the ability to adjust the light levels from daytime to nighttime is also included in the Design. These systems are integrated with the roadway lane use signals and Intelligent Transportation Systems (ITS) elements on I-70, requiring control equipment as well as power to drive all components. Because of the need to operate FLS in the event of a power outage, an automatic backup generator is provided.



Approaching the Cover from the east

In the Preliminary Design developed to date, KMP's engineers first sized all the various equipment, and then performed a space-proofing analysis. This analysis determines not just the dimensions of equipment and supporting electrical cabinets, but also includes an assessment to confirm that proper clearances are provided around equipment to meet code requirements for safe access and the ability to maintain and replace equipment in the future.

Using the Reference Design layout as a template, we placed equipment so the park features were not impacted. KMP's optimization sited equipment in unobtrusive locations, yet with ready access for maintenance crews. For example, the pumps and electrical equipment for the splash pad are located in the nearby restroom/concession building. A basement was added to this building to provide space for the FLS controls and electrical service. The addition of the basement eliminated the need to use the "bookend" west of Columbine Street for systems equipment, creating more useful park space. Because the equipment rooms are adjacent to the westbound lanes of I-70 (the first to be built), the Cover systems can be installed and fully operational before traffic is first placed in the Lowered Section.

Other optimizations included placing conduits and cabling in the fireproof void space behind abutment wall panels to hide these from the traveling public, and locating the emergency power generator just off the northeast corner of the Cover in a site accessible from 46th Avenue North. This generator location, convenient to the Cover and accessible for maintenance, is enclosed by screen walls that hide it from public view, and is placed away from SES, thereby reducing noise impact should the generator be needed for emergency service.

ITS SYSTEMS: A part of the FLS system, the Design incudes a robust ITS equipped with over-height-vehicle detectors, lane use signals, dynamic message signs, traffic cameras, and highway advisory radio broadcast capability. FLS systems for the Cover are fully integrated to synchronize with the ITS system, allowing all systems to function in unison during an emergency. The Cover systems can be operated from either the Colorado Transportation Management Center (CTMC) or the local control room in the restroom/concession building.

COVER SURFACE SYSTEMS: The Park's numerous features such as lighting and the concert pavilion require power to operate. KMP's Design subdivides the surface into three main zones: the pavilion on the east; the Central Plaza area; and the playing field on the west. The pavilion (the amphitheater's performance space) has the greatest demand for electrical power, with the other zones having roughly half the demand as the pavilion zone. Lighting includes street lighting, pedestrian lighting, and up-lights in trees. Additional electrical service is provided to allow for holiday lighting along walkways. Cabinets and other control hardware are placed in an ancillary room attached to the pavilion or screened by plantings. Part of KMP's Design is to relocate the foundations for the high mast lighting on the south side of the playing field to the area just off the Cover structure so that a more conventional foundation design can be used. This slight change improves the constructability, and eliminates penetrations through the waterproofing with no reduction to the lighting levels.

GRADING AND DRAINAGE: Grading and drainage work hand-in-hand. While the surface of the Cover structure is roughly a plane, there is a natural rise of almost 10 feet over the length of the Cover from west to east. After tying in the adjacent surface streets, remaining small grade breaks are adjusted using block type landscape walls.

Using the natural slopes to our advantage, the entire park drains to the north and west, mostly using sheet flow. Where inlets are required mid-structure, drain pipe locations are coordinated with the structure layout to provide the required connections.

IRRIGATION: An irrigation system is provided, fed from the north side of the Cover. This layout allows transmission of irrigation water with the least impact on the structure.

SOIL MIXES: A proper balance of water retaining and free draining soils are used in planting areas and raised tree planters. Where soil is not needed to support landscape plants, geofoam is used to reduce loading on the structure.

WATERPROOFING: A waterproofing layer is applied to the top surface of the Cover structure. Under the local streets, this waterproofing system follows Subsection 8.1 of the Bridge Design Manual. Under the park components, a multi-ply rubberized system is currently proposed. A layer of protection board or a similar detail is employed over the waterproofing. In areas where planting soils are directly above the waterproofing, drainage details are coordinated to ensure proper drainage.

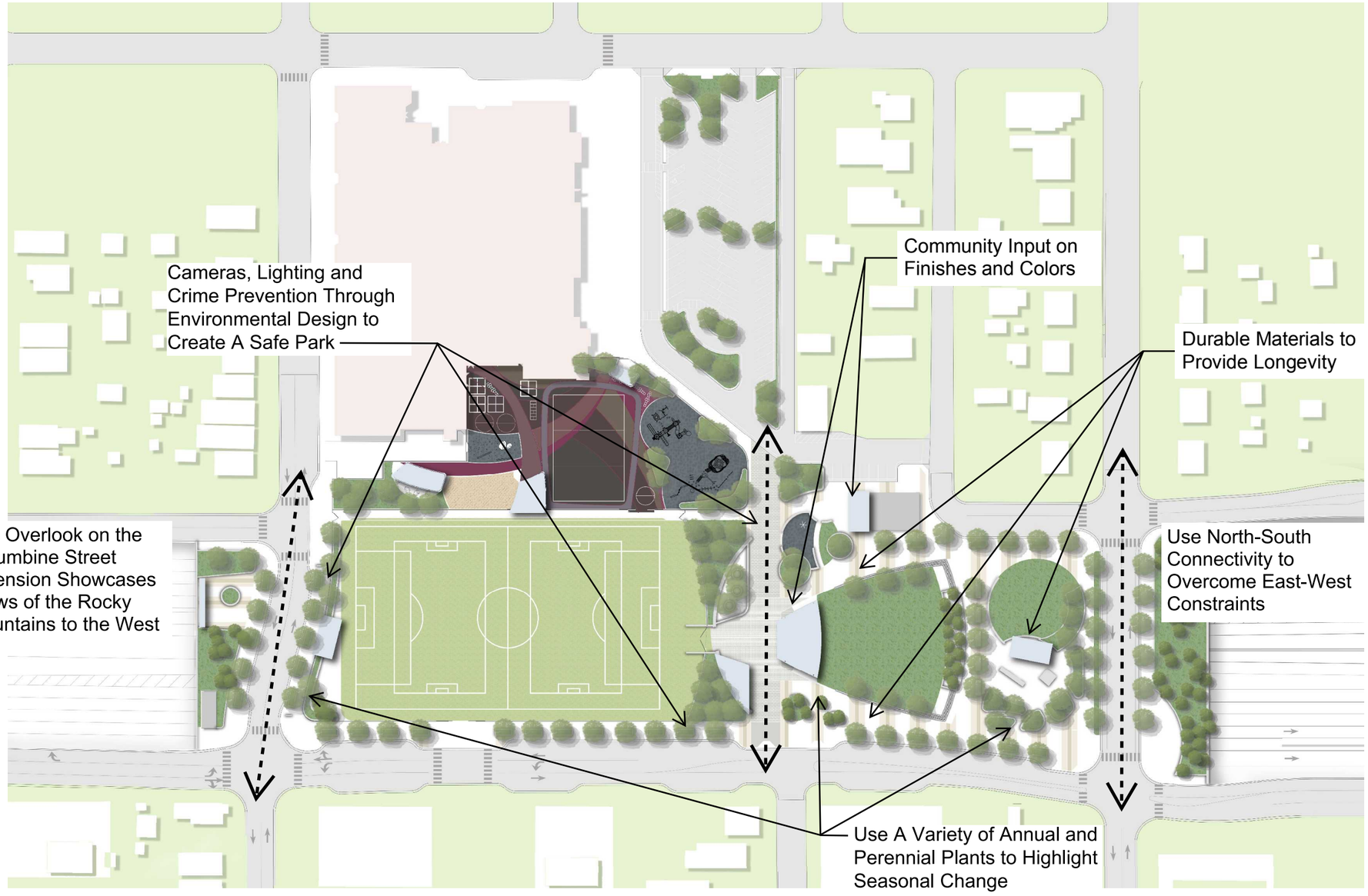
KMP's designers, contractors, and operations and maintenance staff have worked together to combine the needs of an active, well-designed public park with the requirements to efficiently operate and maintain the power, traffic control features, and FLS components for the roadway beneath. Our Design builds on the Department's solid Reference Design, integrating needs for public and non-public spaces with the requirements for proper drainage, public safety, and the *Americans with Disabilities Act Accessibility Guidelines*.

Landscape and Aesthetics Plans; Irrigation Plans

In the following pages we present plans, elevations, and sections of the Cover and its various features. It is not our intent to replicate the Department-provided Reference Design. KMP's Design meets the contractual obligations with respect to the Cover, as specified in the Project Agreement. Therefore, our plans do not repeat the Department's Design, rather we present portions of the Design not presented in the Reference Design. These portions include:

- Landscaping plans, including plant selections
- Grading plans
- Irrigation plans
- A basic layout of the mechanical equipment and connecting electrical circuitry
- Layouts of the communications systems
- Cabling plans
- Lighting under the Cover
- Ventilation equipment
- The fixed firefighting system
- Architectural layouts for the pavilion and the restroom/concession building

Plans also show the layout details for each of the required program elements.



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CENTRAL 70

KMP DESIGN OPPORTUNITIES

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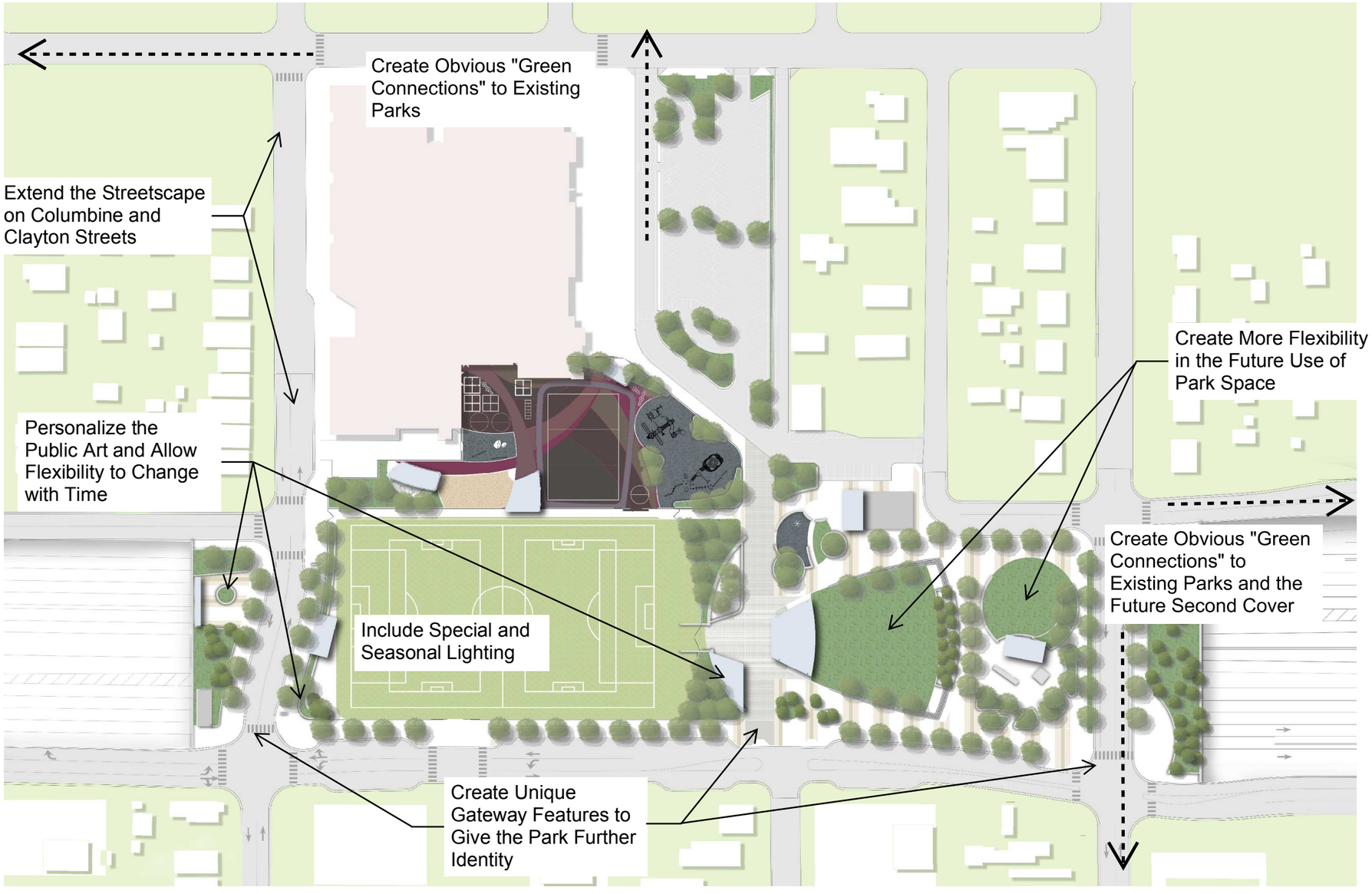

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POTENTIAL OPPORTUNITIES

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0 25' 50' 100'
ORIGINAL SCALE: 1"=50'-0"

NORTH

CENTRAL 70 COVER PARK
COVER PARK RENDERING

Designer:	KMP	Structure Numbers	–
Detailer:	KMP		–
Subset:	_SG	Subset Sheets:	1 of 36

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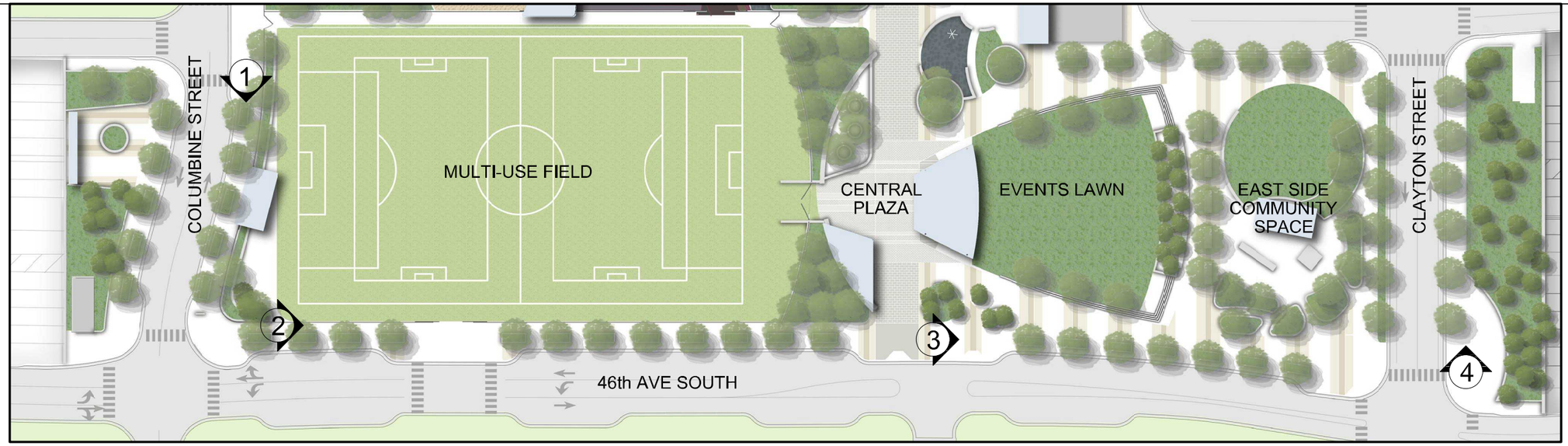

PERSPECTIVE LOCATIONS

1. COLUMBINE STREET, LOOKING SOUTH

This will be a walkway shaded by a double row of trees where visitors can sit on raised planters and watch activity on the multi-purpose field. As on the other perimeter streets, landscape acts as a buffer between pedestrian and street.

2. 46TH AVE SOUTH, LOOKING EAST

While the configuration is similar to Columbine, the East 46th Avenue streetscape will feel more open, with trees on the street side and the multi-purpose field on the other. The long view down the street will give visitors a sense of the park's length. The fence surrounding the multi-purpose field will define the back of the walkway, and provide security for the field during school hours. The fences and gates within the park are opportunities for color and potentially artwork.

3. 46TH AVE SOUTH AT THOMPSON, LOOKING EAST

Further east along east 46th, near Thompson Court, the fence ends and walkways open up to the park. The edges of the park need to be welcoming, so landscape areas also open to allow visitors to enter. To signify that one has entered the community zone of the park, the paving is more patterned, trees and shrubs more prevalent.

4. CLAYTON STREET, LOOKING NORTH

The walkways and streetscape along Clayton Street are indicative of the importance of the north/south connection it provides. The *Elyria and Swansea Neighborhood Plan* denotes Clayton as an important connection worthy of further study. It connects Swansea Park to the north with Cover Park, then Dunham and playfields at Bruce Randolf School further south. The landscape on both sides of the walk along Clayton is prevalent- trees to mask the view and sound of the highway below and streetscape to buffer pedestrians from the street. A bright mural will bring color to the small seating plaza.

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Central 70

0 25' 50' 100'
ORIGINAL SCALE: 1"=50'-0"

NORTH

CENTRAL 70 COVER PARK
STREET CHARACTER NARRATIVE

Designer:	KMP	Structure Numbers	–
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I-70 COVER PLANS

DENVER, COLORADO

SHEET INDEX (LANDSCAPE SHEETS ONLY)

SYMBOL LEGEND

- Pedestrian pole light
- Vehicular pole light
- Single cant. light
- Double cant. light
- Quad cant. light
- Wall mount cant. Light
- Bollard light
- Flush pavement uplight
- Recessed wall/step light
- Flush landscape uplight
- Tree mounted light
- Landscape flood light
- Underwater light
- Electrical outlet
- Transformer
- Existing tree/ shrub
- Proposed tree/ shrub
- Proposed transplanted tree
- Existing tree to transplant
- Catch basin
- Cleanout
- Dry well
- FFE/ Benchmark
- Manhole
- Spot grade
- Trench drain
- Bench
- Trash receptacle
- Bollard
- Drinking fountain
- Fire Hydrant
- Flagpole
- Signage
- Landscape boulder
- Culvert
- Existing tree mass to remain
- Existing tree mass to remove
- Existing tree to remove

MATERIAL LEGEND

- 1.1 CIP CONCRETE, SAWCUT JOINTS, STANDARD GRAY
- 1.2A CIP CONCRETE PAVING, SAWCUT JOINTS , LIGHT SANDSCAPE FINISH AND INTEGRAL COLOR
- 1.2B CIP CONCRETE PAVING, SAWCUT JOINTS, MEDIUM SANDSCAPE FINISH, INTEGRAL COLOR
- 1.3 CONCRETE UNIT PAVER TYPE 1
- 1.4 CONCRETE UNIT PAVER TYPE 2
- 1.5 CONCRETE UNIT PAVER TYPE 3
- 1.8 ASPHALT, INTEGRAL COLOR AND STRIPING
- 1.9 RUBBERIZED PLAY TILE
- 1.10 FIBAR PLAY SURFACE

LIGHTING AND FURNISHING LEGEND

- 7.1 PEDESTRIAN LIGHTING
- 7.2 CENTRAL PLAZA LIGHTING
- 7.3 FIELD LIGHTING
- 7.4 PARKING LOT LIGHTING
- 7.5 ACCENT LIGHTING
- 7.6 TREE ACCENT LIGHTING
- 7.7 ELECTRICAL OUTLET
- 6.1 PRECAST CONCRETE SEATING POD
- 6.2 BIKE RACK
- 6.3 TABLES AND CHAIRS
- 6.4 TRASH/RECYCLING RECEPTACLE
- 6.5 BENCH
- 6.7 REMOVABLE BOLLARD
- 6.9 DRINKING FOUNTAIN
- 6.10 PICNIC TABLE

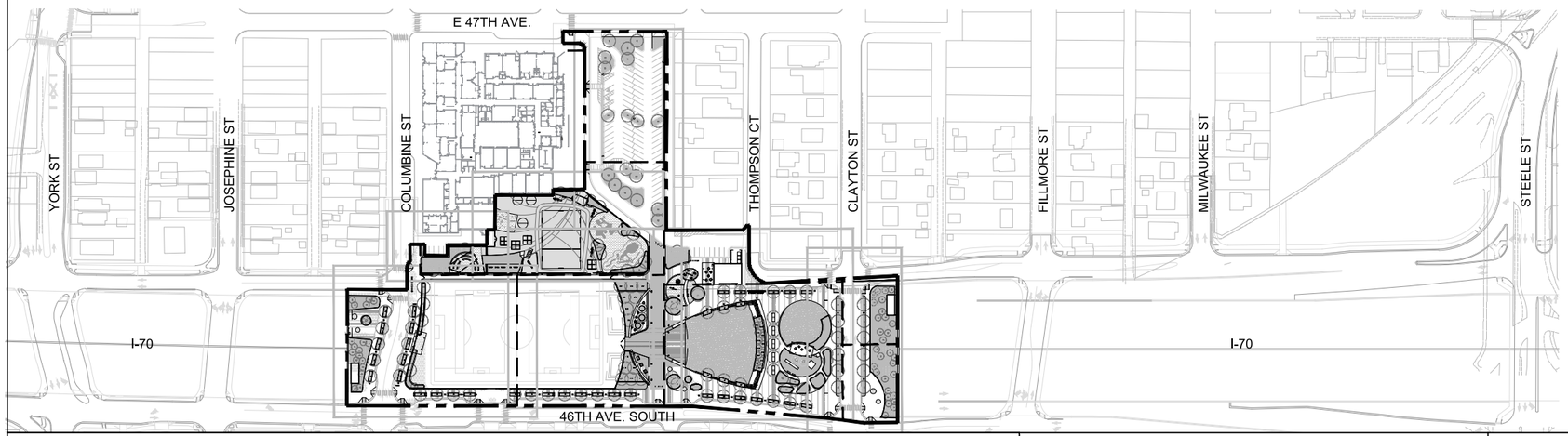
PLANTING LEGEND

- 9.5 ENHANCED LANDSCAPE
- 9.6 TRANSITIONAL LANDSCAPE
- 9.7 NATURALIZED TURF

TABLE OF ABBREVIATIONS

APPROX	APPROXIMATE	MH	MANHOLE
ARCH	ARCHITECT	MIN	MINIMUM
AVG	AVERAGE	MISC	MISCELLANEOUS
B&B	BALLED AND BURLAPPED	MTD	MOUNTED
BC	BOTTOM OF CURB	MTL	METAL
BF	BOTTOM OF FOOTING	N	NORTH
BLDG	BUILDING	NIC	NOT IN CONTRACT
BM	BENCHMARK	NO	NUMBER
BOC	BACK OF CURB	NOM	NOMINAL
BR	BOTTOM OF RAMP	NTS	NOT TO SCALE
BRG	BEARING	OC	ON CENTER
BS	BOTTOM OF STEP	OD	OUTSIDE DIAMETER
BW	BOTTOM OF WALL	OPP	OPPOSITE
CAL	CALIPER	PA	PLANTING AREA
CAP	CAPACITY	PAR	PARALLEL
CF	CUBIC FEET	PC	POINT OF CURVATURE
CHAM	CHAMFER	PE	POLYURETHANE
CIP	CAST IN PLACE	PERF	PERFORATED
CJ	CONTROL JOINT	PED	PEDESTRIAN
CL	CENTER LINE	PI	POINT OF INTERSECTION
CLR	CLEARANCE	PL	PROPERTY LINE
CM	CENTIMETER	PT	POINT, POINT OF TANGENCY
CO	CLEAN OUT	PVC	POLYVINYL CHLORIDE
COMP	COMPACTED	PVMT	PAVEMENT
CONC	CONCRETE	PVR	PAVER
CONST	CONSTRUCTION	QTY	QUANTITY
CONT	CONTINUOUS	R	RADIUS
CONTR	CONTRACTOR	RECEP	RECEPTACLE
CU	CUBIC	RE, REF	REFERENCE
CY	CUBIC YARD	REINF	REINFORCE(D)
DBL	DOUBLE	REM	REMOVE
DF	DIRECTION OF FLOW	REQ'D	REQUIRED
DEG	DEGREE	REV	REVISION, REVISED
DEMO	DEMOLISH, DEMOLITION	ROW	RIGHT OF WAY
DIA	DIAMETER	RT	RIGHT
DIM	DIMENSION	S	SOUTH
DTL	DETAIL	SAN	SANITARY
DWG	DRAWING	SCH	SCHEDULE
E	EAST	SD	STORM DRAIN
EA	EACH	SEC	SECTION
EJ	EXPANSION JOINT	SF	SQUARE FOOT (FEET)
EL	ELEVATION	SHT	SHEET
ELEC	ELECTRICAL	SI	STORM INLET
ENG	ENGINEER	SIM	SIMILAR
EQ	EQUAL	SNT	SEALANT
EQUIP	EQUIPMENT	SPECS	SPECIFICATIONS
EST	ESTIMATE	SQ	SQUARE
E.W.	EACH WAY	ST	STORM SEWER
EXIST	EXISTING	SY	SQUARE YARD
EXP	EXPANSION, EXPOSED	STA	STATION
FF	FINISHED FLOOR ELEVATION	STD	STANDARD
FG	FINISHED GRADE	STL	STEEL
FIN	FINISH	STRL	STRUCTURAL
FL	FLOW LINE	SYM	SYMMETRICAL
FOC	FACE OF CURB	T&B	TOP AND BOTTOM
FT	FOOT (FEET)	TBC	TOP OF BACK CURB
FTG	FOOTING	TC	TOP OF CURB
GA	GAUGE	TF	TOP OF FOOTING
GAL	GALVANIZED	THK	THICK
GC	GENERAL CONTRACT(OR)	TOC	TOP OF CONCRETE
GEN	GENERAL	TOPO	TOPOGRAPHY
HORIZ	HORIZONTAL	TSL	TOP OF SLAB
HP	HIGH POINT	TRAS	TRANSFORMER
HT	HEIGHT	TR	TOP OF RAMP
ID	INSIDE DIAMETER	TS	TOP OF STEP
INV	INVERT ELEVATION	TW	TOP OF WALL
IN	INCH(ES)	TYP	TYPICAL
INCL	INCLUDE(D)	VAR	VARIES
INL	INLET	VERT	VERTICAL
IRR	IRRIGATION	VEH	VEHICLE
JT	JOINT	VOL	VOLUME
LIN	LINEAR	W/	WITH
LF	LINEAR FEET	W/O	WITHOUT
LP	LOW POINT	WT	WEIGHT
LT	LIGHT	WL	WEIR LEVEL
MATL	MATERIAL	WWF	WELDED WIRE FABRIC
MAX	MAXIMUM	YD	YARD
MEMB	MEMBRANE	@	AT

VICINITY MAP, NTS



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CENTRAL 70 COVER PARK
COVER SHEET

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