

ERSKINE PARK

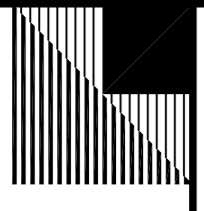
EASTERN SITE WORKS

SUBDIVISION

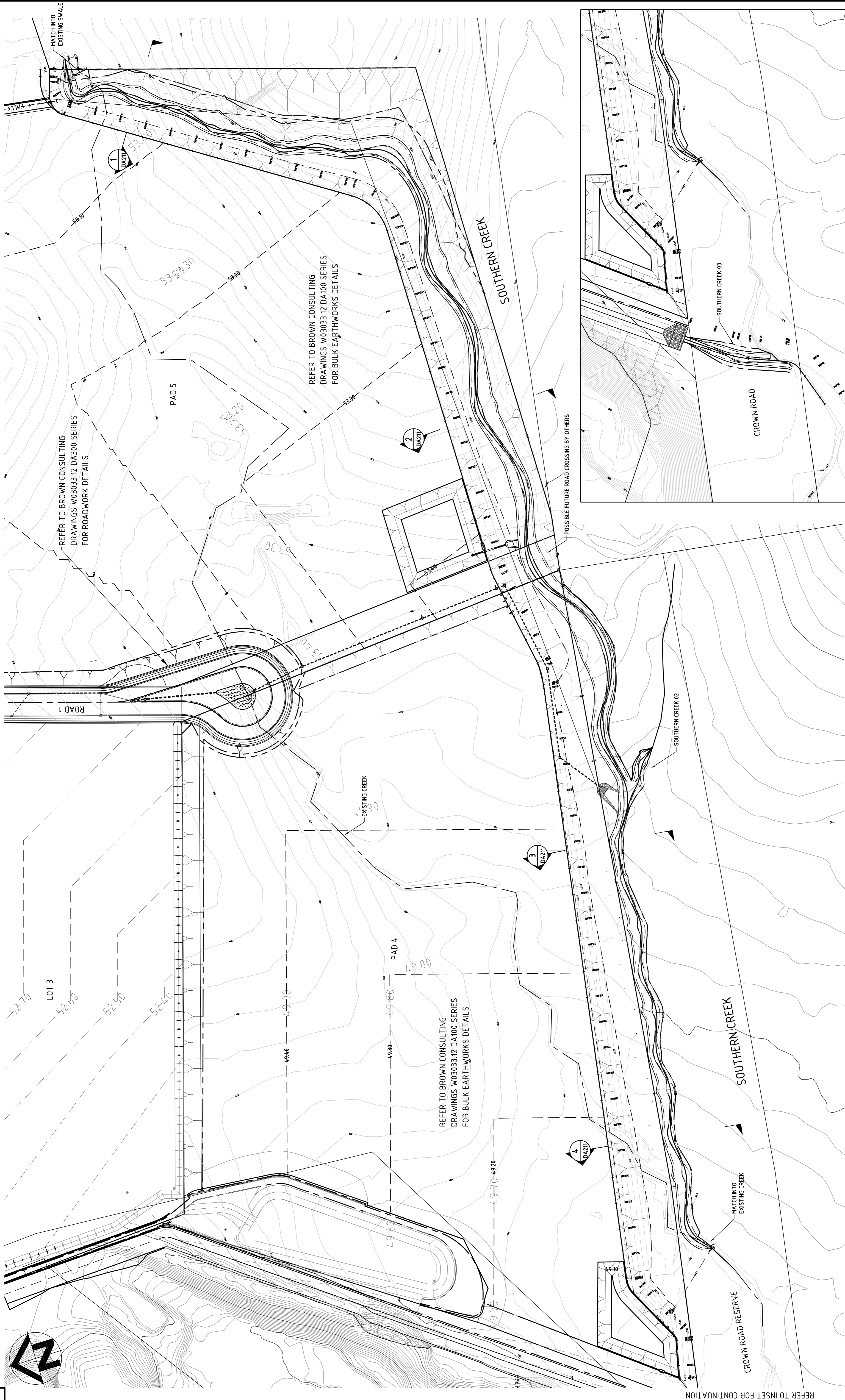
BULK EARTHWORKS
*** STREAMWORKS AND**
STORMWATER CONCEPT PLAN
PROJECT APPLICATION

DRAWING SCHEDULE

DRAWING No.	TITLE
DA201	SOUTHERN CREEK OVERALL PLAN SOUTH EASTERN REACH
DA202	SOUTHERN CREEK PLAN AND LONGSECTION CH 0 - CH 345
DA203	SOUTHERN CREEK PLAN AND LONGSECTION CH 330 - CH 675
DA204	SOUTHERN CREEK PLAN AND LONGSECTION CH 660 - CH 919.26
DA205	SOUTHERN CREEK CREEK 02 PLAN AND LONGSECTION
DA206	SOUTHERN CREEK CREEK 03 PLAN AND LONGSECTION
DA207	ACCESS ROAD AND SWALE LOT3 & LOT4 PLAN SWALE LONGITUDINAL SECTION
DA208	SOUTHERN CREEK TYPICAL SECTION
DA209	SOUTHERN CREEK CREEK SECTIONS CH 0 TO 75
DA210	SOUTHERN CREEK CREEK SECTIONS CH 90 TO 180
DA211	SOUTHERN CREEK CREEK SECTIONS CH 195 TO 255
DA212	SOUTHERN CREEK CREEK SECTIONS CH 270 TO 375
DA213	SOUTHERN CREEK CREEK SECTIONS CH 381.428 TO 450
DA214	SOUTHERN CREEK CREEK SECTIONS CH 465 TO 512.405
DA215	SOUTHERN CREEK CREEK SECTIONS CH 525 TO 630
DA216	SOUTHERN CREEK CREEK SECTIONS CH 645 TO 750
DA217	SOUTHERN CREEK CREEK SECTIONS CH 765 TO 840
DA218	SOUTHERN CREEK CREEK SECTIONS CH 855 TO 901.224
DA219	SOUTHERN CREEK CREEK SECTIONS CH 904.716 TO 926.631 AND POOL & RIFFLE
DA220	SOUTHERN CREEK BRANCH 2 CROSS SECTIONS
DA221	SOUTHERN CREEK BRANCH 3 CROSS SECTIONS

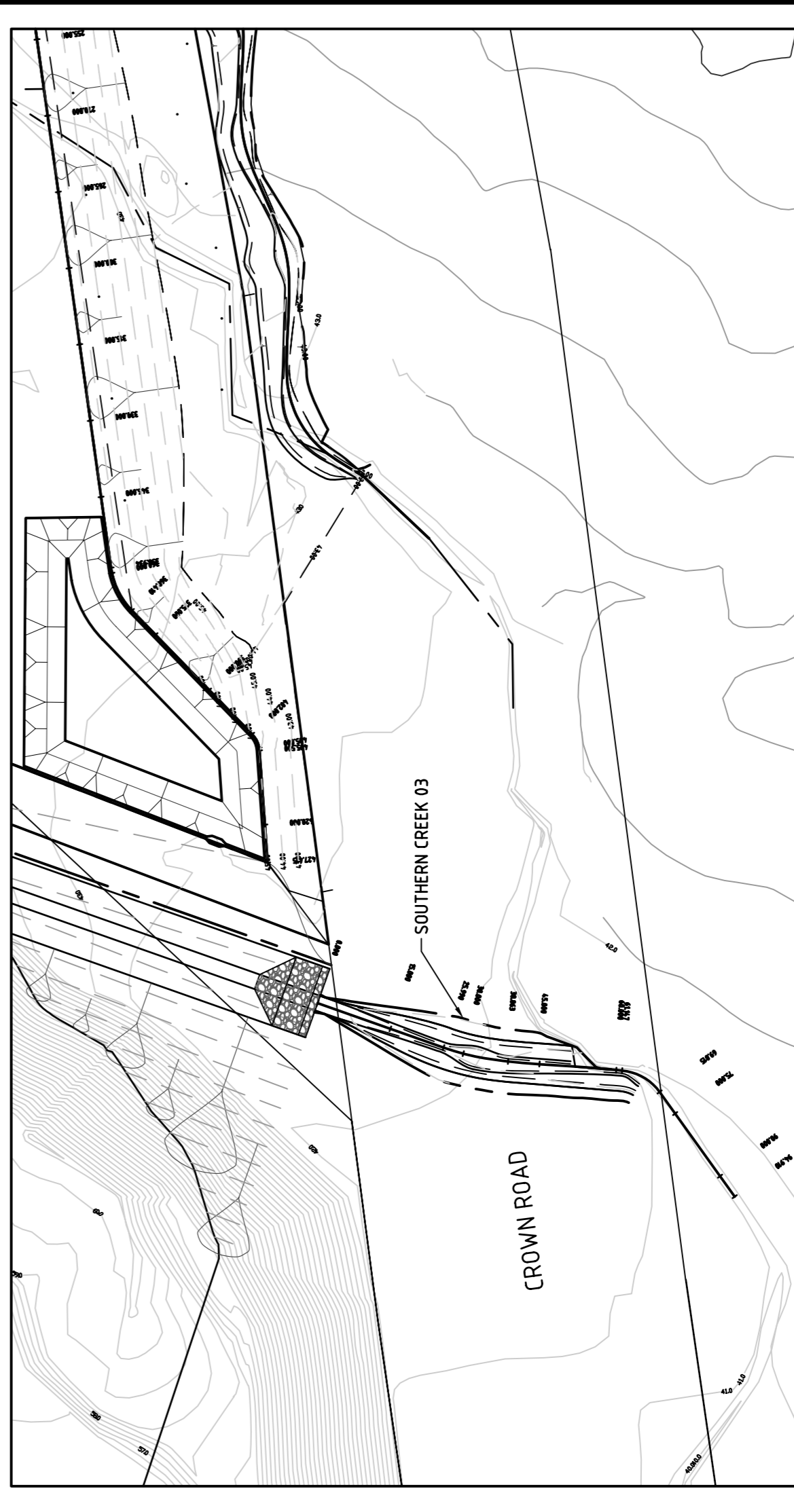


BROWN



SCALE 1:1000 (A1)
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 SCALE 1:2000 (A3)

INSET



PRELIMINARY

<p>REFER TO INSET FOR CONTINUATION</p>		<p>REFER TO BROWN CONSULTING DRAWINGS W03033.12 DA100 SERIES FOR BULK EARTHWORKS DETAILS</p>		<p>REFER TO BROWN CONSULTING DRAWINGS W03033.12 DA300 SERIES FOR ROADWORK DETAILS</p>		<p>REFER TO BROWN CONSULTING DRAWINGS W03033.12 DA100 SERIES FOR BULK EARTHWORKS DETAILS</p>	
07	RAP	02/06/2006	REVISED PAD LEVELS	AK	AK	1 OF 21	Sheet:
06	RAP	14/03/2006	ADJUSTED OUTLETS	AK	AK	1:1000	Scale:
05	RAP	07/02/2006	REVISED DA SUBMISSION	AK	AK	W03033.12	Project No:
04	RAP	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER	AK	AK	DA201	Drawing No:
03	RAP	02/09/2005	ISSUE FOR DA APPROVAL				
02	RAP	01/09/2005	ISSUE FOR COMMENTS				
01	RAP						
BY	VER	APP	DESCRIPTION	AMENDMENTS			

BROWN

Quality
Environment
Company
ISO 9001
ISO 14001
Lic 404

Client:

CSR LIMITED

EASTERN SITE WORKS SUBDIVISION

SOUTHERN CREEK

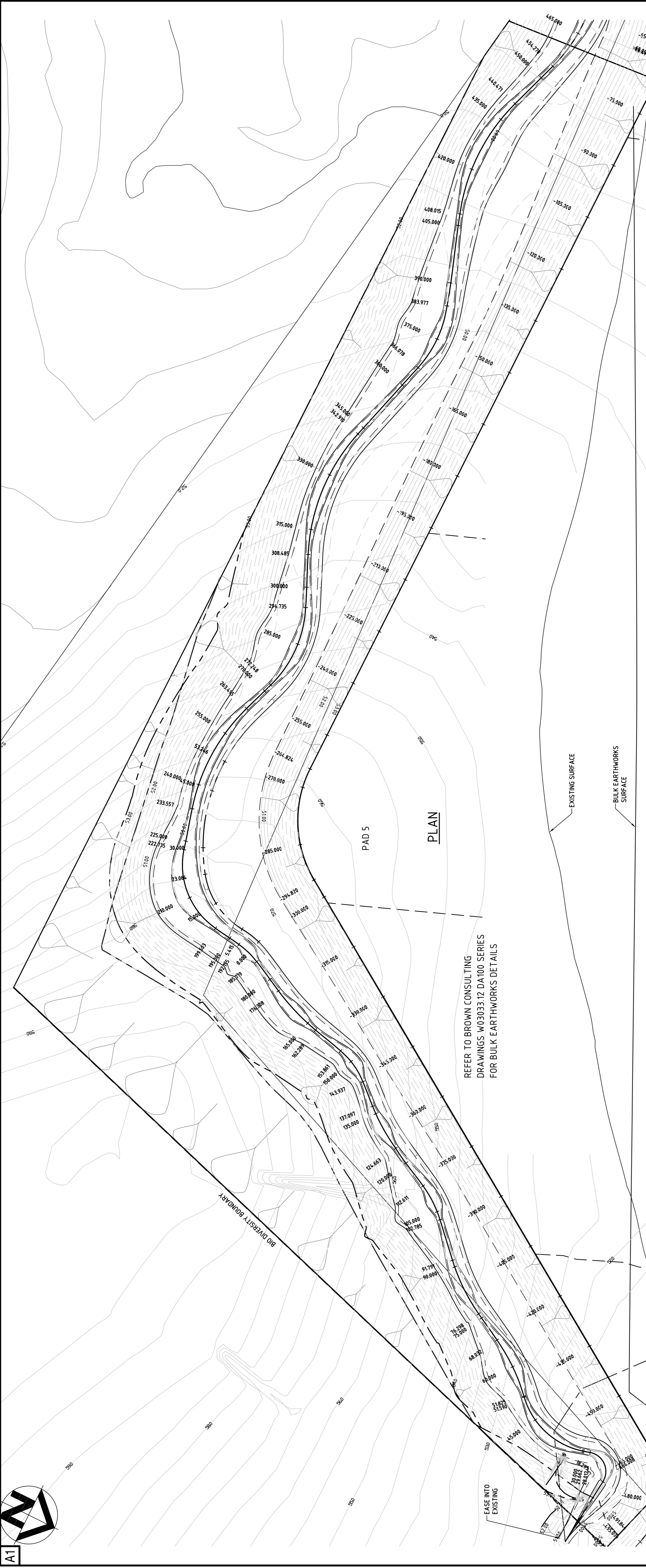
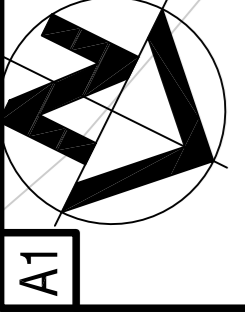
Project:

OVERALL PLAN

SOUTH EASTERN REACH

Client: Brown Consulting (NSW) Pty Ltd
 Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113
 Telephone: 02 9900 1000 Facsimile: 02 9900 1099
 Sydney, Canberra, Brisbane, Melbourne, Singapore

VERIFICATION		INITIALS	SIGNATURE	DATE
DRAFTING	DESIGN			
VERIFY	APPROVED			



CHAINAGE	EXISTING	BULK EARTHWORKS	DESIGN	SCALE 1:100 (A3)		SCALE 1:200 (A3)		SCALE 1:500 (A3)	
				VERTICAL GEOMETRY	HORIZONTAL GEOMETRY	VERTICAL GEOMETRY	HORIZONTAL GEOMETRY	VERTICAL GEOMETRY	HORIZONTAL GEOMETRY
0	50.84	50.84	50.84	-0.822%	0.000%	0.000%	0.000%	0.000%	0.000%
15	52.03	53.161	50.717	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
30	51.63	53.134	50.58	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
45	52.17	53.1	50.58	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
60	52.91	53.063	50.53	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
75	53.77	53.027	50.471	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
90	54.51	52.991	50.46	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
105	54.92	52.962	50.29	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
120	55.71	52.921	50.186	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
135	56.38	52.886	50.12	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
150	56.88	52.85	50.04	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
165	57.51	52.816	50.03	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
180	57.77	52.781	49.983	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
195	57.67	52.768	49.91	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
210	57.57	52.768	49.84	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
225	57.82	52.779	49.84	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
240	55.99	52.8	49.6	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
255	55.3	52.821	49.6	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
270	54.87	52.842	49.511	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
285	54.32	52.863	49.48	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
300	53.61	52.88	49.411	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
315	53.13	52.897	49.3	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
330	52.6	52.916	49.3	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%
345	52.25	52.934	49.3	0.000%	0.000%	0.000%	0.000%	0.000%	0.000%

LONGSECTION

DATE: 07/02/2006
 REVISION: 06/14/03/2006
 REVISION: 07/02/2005
 REVISION: 08/11/2005
 REVISION: 02/09/2005
 REVISION: 01/09/2005

SCALE 1:500 (A1)
 SCALE 1:100 (A1)
 SCALE 1:200 (A3)
 SCALE 1:500 (A3)

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 CONSULTING (NSW) PTY LTD
 Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113
 Telephone: 02 9900 1000 Facsimile: 02 9900 1099

Client: CSR LIMITED
 Project: EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK

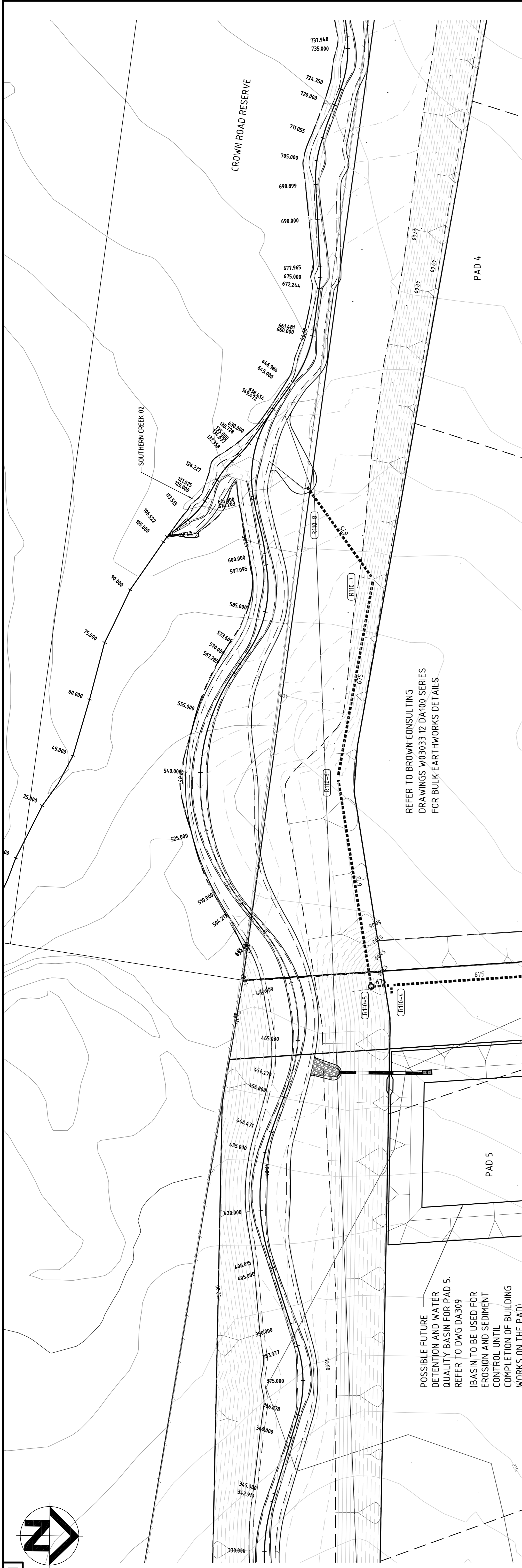
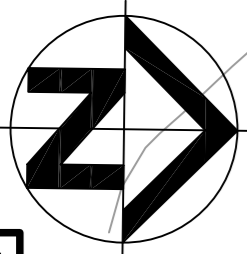
Client: CSR LIMITED
 Project: EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK

Drawn by: AK
 Design by: AK/AR
 Project No: W03033.12
 Drawing No: DA202

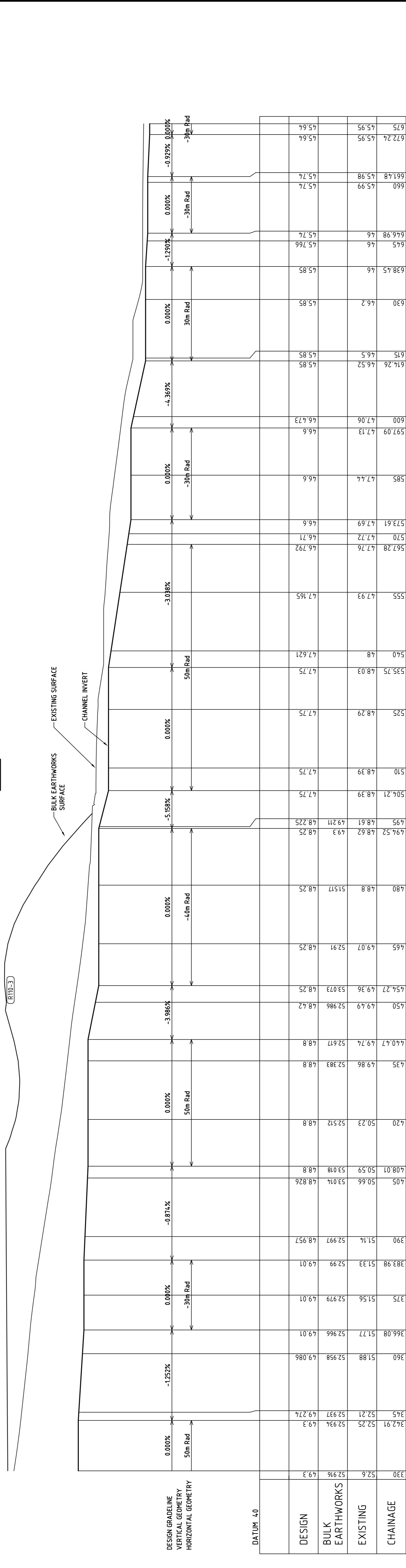
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 Scale: 1:100 (V)
 Rev: 07

PRELIMINARY

PLAN AND LONGSECTION
 CH 0 - CH 345



PLAN



LONGSECTION



PRELIMINARY

07	RAP	REVISED PAD LEVELS	02/08/2006	BY	VER	APP
06	AK	ADJUSTED OUTLET	14/03/2006	BY	VER	APP
05	AR	REVISED DA SUBMISSION	07/02/2006	BY	VER	APP
04	AR	REVISED LAYOUT WITH AVERAGE 30m BUFFER	08/11/2005	BY	VER	APP
03	AR	REVISED LAYOUT WITH AVERAGE 30m BUFFER	02/09/2005	BY	VER	APP
02	AR	ISSUE FOR DA APPROVAL	01/09/2005	BY	VER	APP
01	AR	ISSUE FOR COMMENTS	01/09/2005	BY	VER	APP

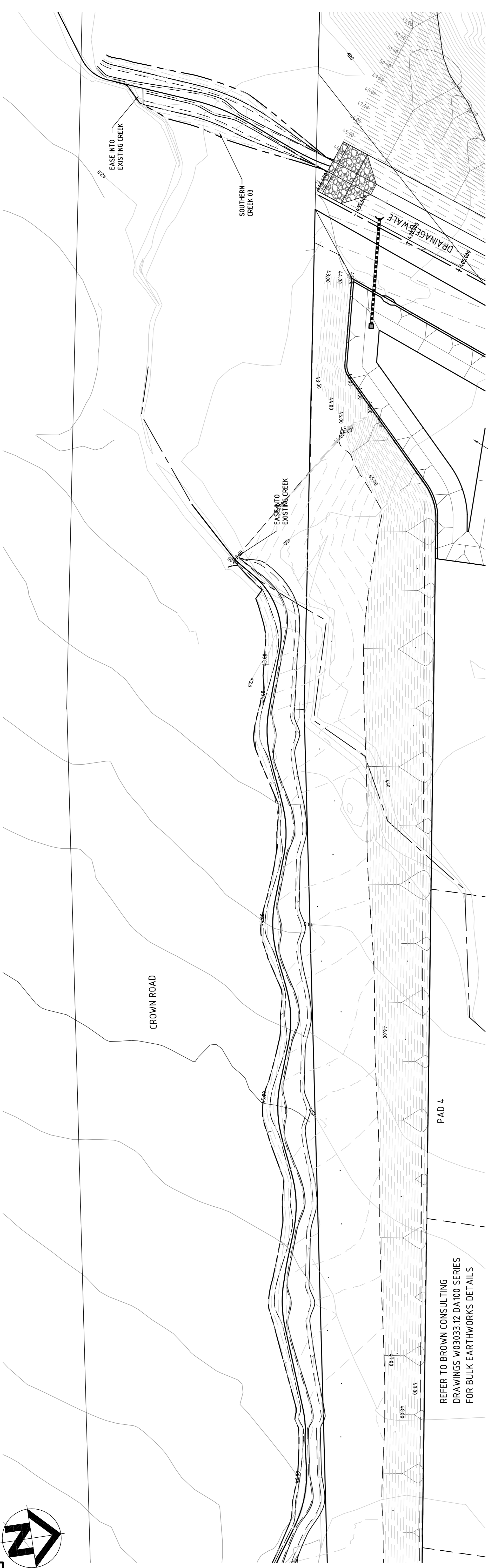
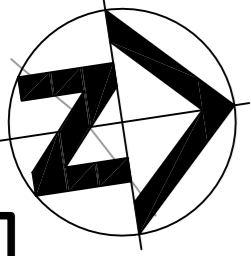
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 Sydney, Canberra, Brisbane, Melbourne, Singapore

CSR LIMITED
 EASTERN SITE WORKS SUBDIVISION
 SOUTHERN CREEK

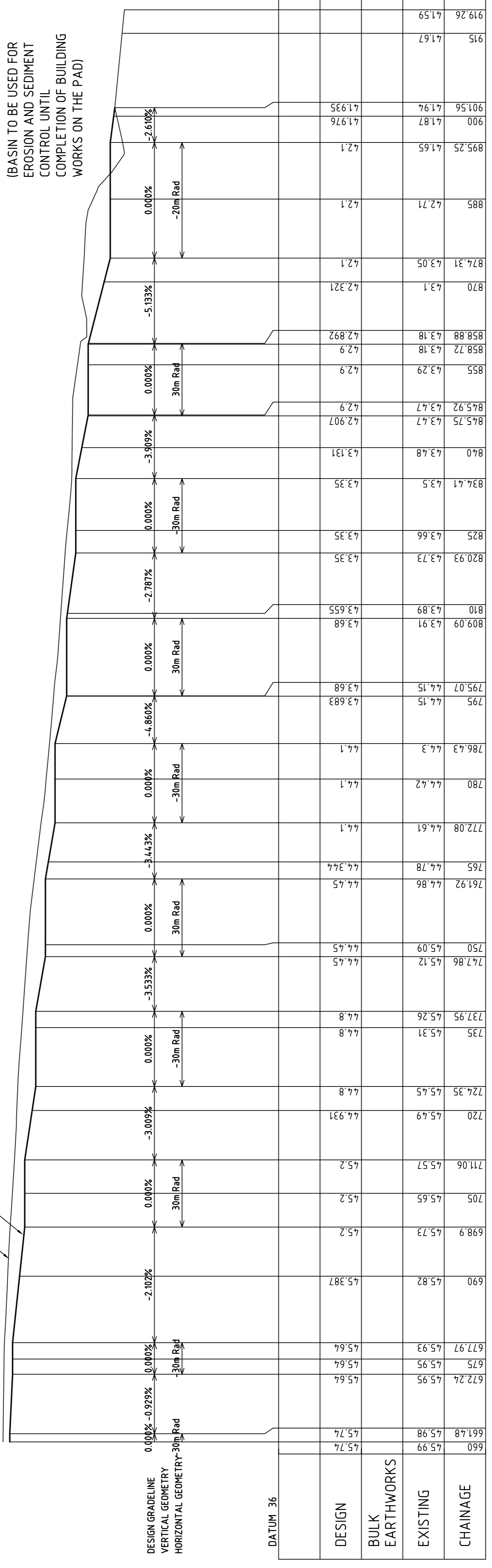
PLAN AND LONGSECTION
 CH 330 - CH 675

Drawing No: DA203
 Project No: W03033.12
 Scale: 1:500 (H) 1:100 (V)
 Design by: AK/AR
 Drawn by: AK
 Sheet: 3 OF 21



PLAN

EXISTING SURFACE
CHANNEL INVERT

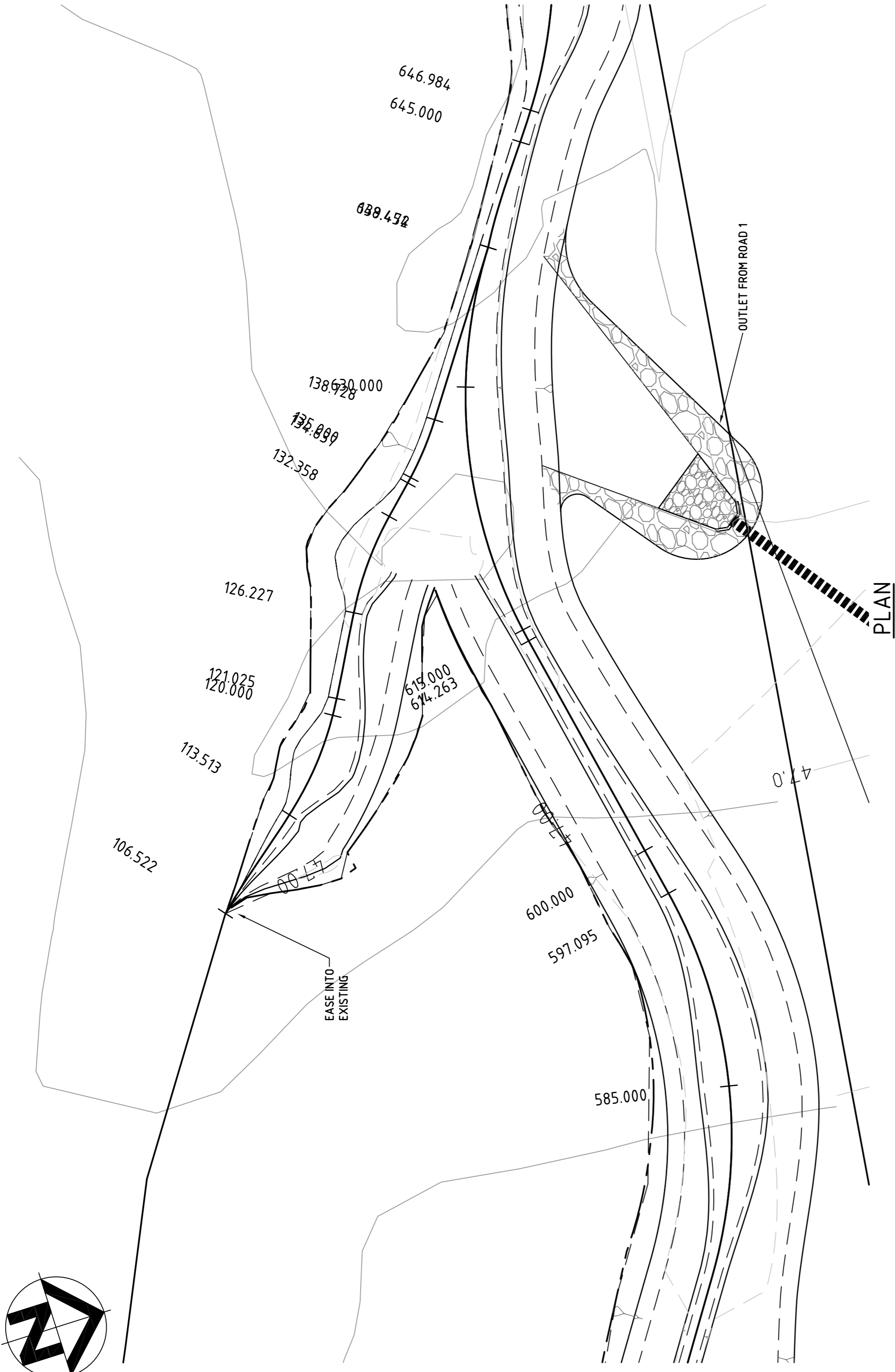


LONGSECTION

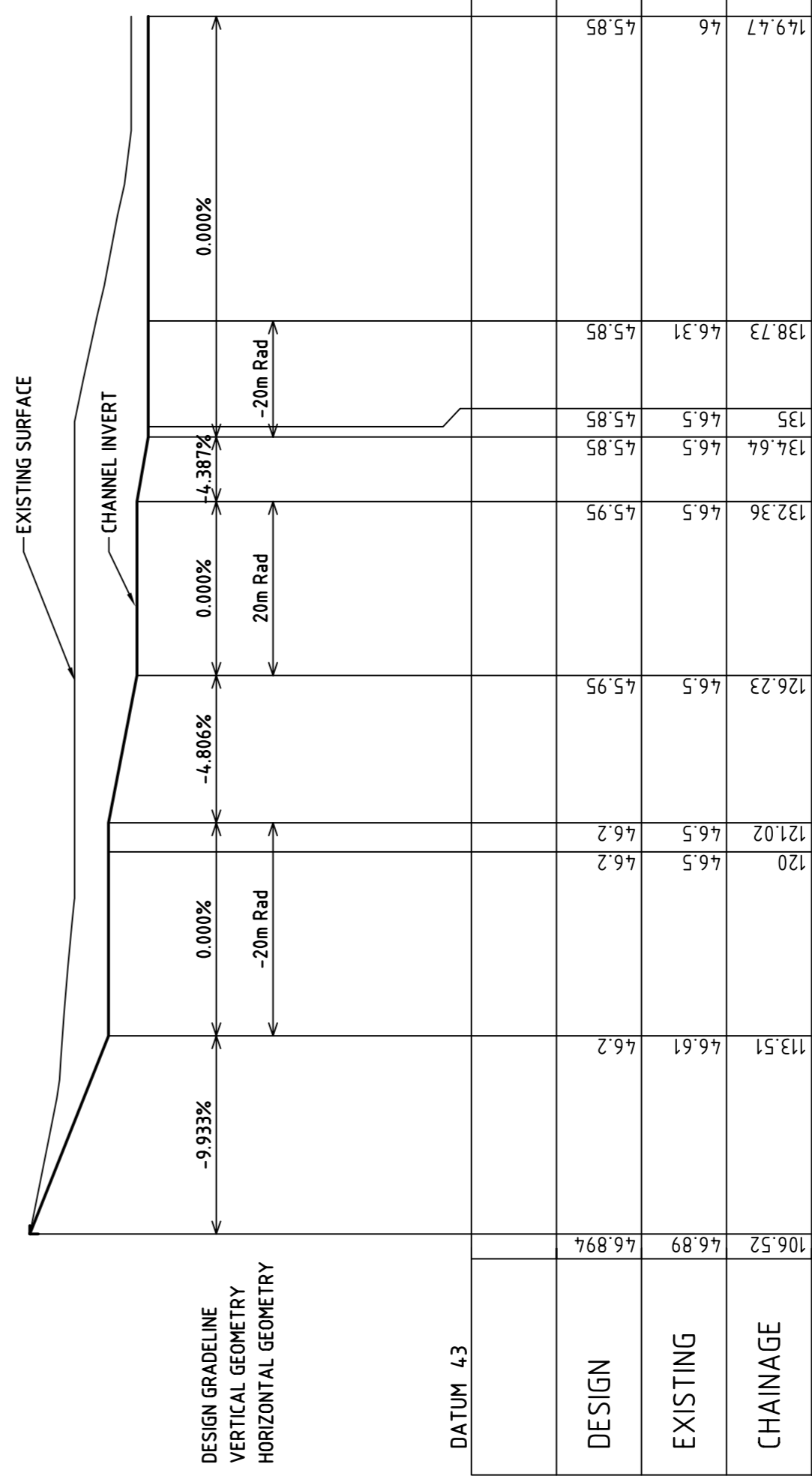


PRELIMINARY

Client: CSR LIMITED Eastern Site Works Subdivision Southern Creek		Project: CH 660 - CH 919.26	
Drawing: DA204 Drawing No: W03033.12		Scale: 1:500 (H) 1:100 (V)	
Drawn by: AK Design by: AK/AR		Sheet: 4 OF 21	
Brown Consulting (NSW) Pty Ltd Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113 Telephone: 02 9900 1000 Facsimile: 02 9900 1099		Verification Table: INITIALS SIGNATURE DATE DRAFTING DESIGN VERIFY APPROVED	
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REV DATE DESCRIPTION AMENDMENTS		© Brown Consulting (NSW) Pty Ltd	



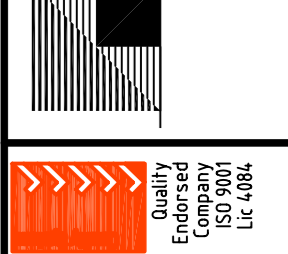
PLAN



LONGSECTION

REV	DATE	DESCRIPTION
07	12/02/2005	REVISED PAID LEVELS
06	14/03/2005	ADJUSTED OUTLET
05	07/02/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER
04	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER
03	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER
02	02/09/2005	ISSUE FOR DA APPROVAL
01	01/09/2005	ISSUE FOR COMMENTS

REV	DATE	DESCRIPTION
07	12/02/2005	REVISED PAID LEVELS
06	14/03/2005	ADJUSTED OUTLET
05	07/02/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER
04	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER
03	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER
02	02/09/2005	ISSUE FOR DA APPROVAL
01	01/09/2005	ISSUE FOR COMMENTS



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VERIFICATION	INITIALS	SIGNATURE	DATE
DRAFTING			
DESIGN			
VERIFY			
APPROVED			

Client:
CSR LIMITED
 EASTERN SITE WORKS SUBDIVISION
 SOUTHERN CREEK

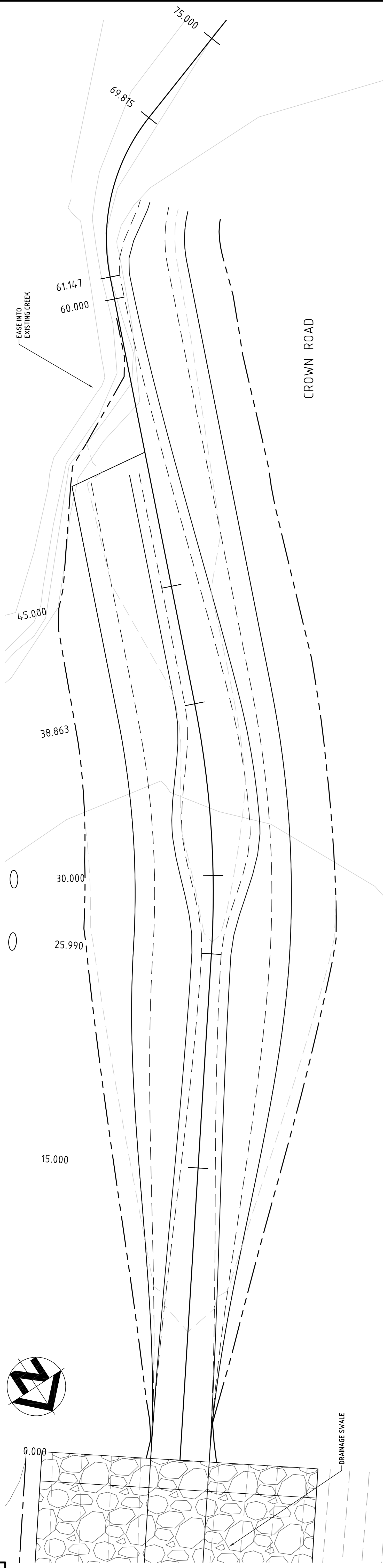
Project:
 EASTERN SITE WORKS SUBDIVISION
 SOUTHERN CREEK

Drawn by: AK
 Design by: AK/AR
 Project No: W030033.12
 Drawing No: DA205

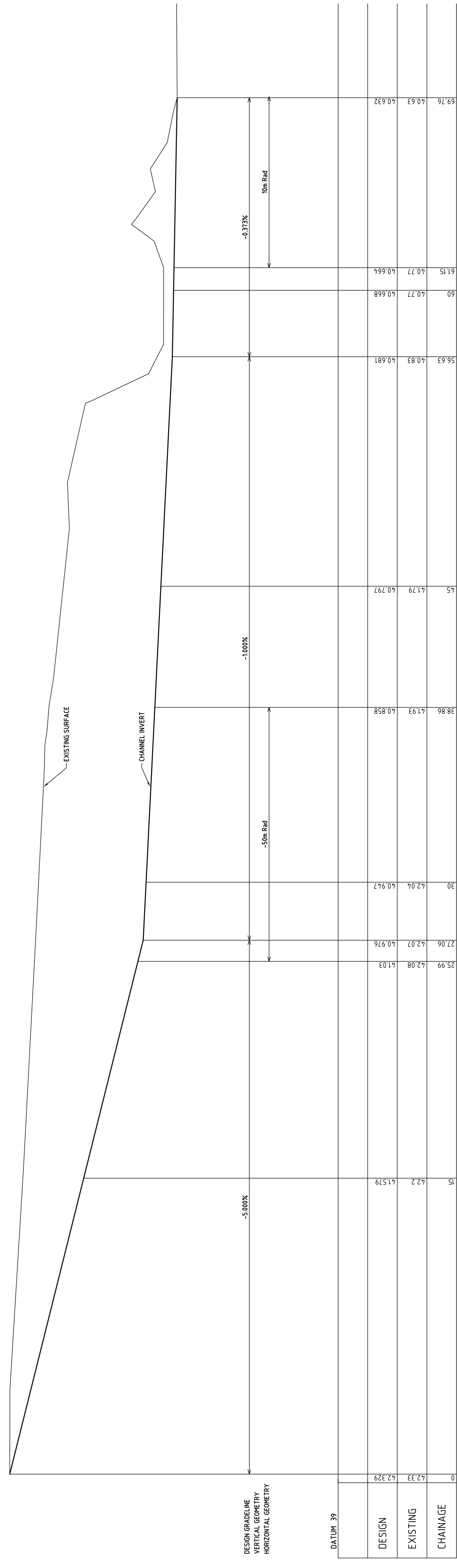
Scale:
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Sheet:
 07

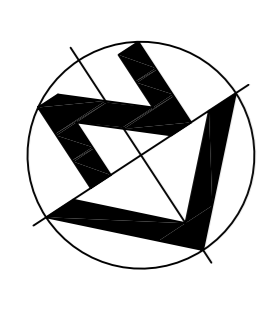
PRELIMINARY



PLAN

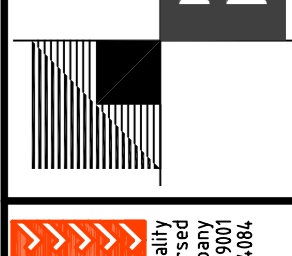


LONGSECTION



REV	DATE	DESCRIPTION
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06	14/03/06	ADJUSTED OUTLET
05	07/02/06	REVISED DA SUBMISSION
04	08/11/05	REVISED LAYOUT WITH AVERAGE 30m BUFFER
03	02/09/05	ISSUE FOR DA APPROVAL
02	01/09/05	ISSUE FOR COMMENTS
01		

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 Telephone: 02 9900 1000 Facsimile: 02 9900 1099
 Sydney, Canberra, Brisbane, Melbourne, Singapore

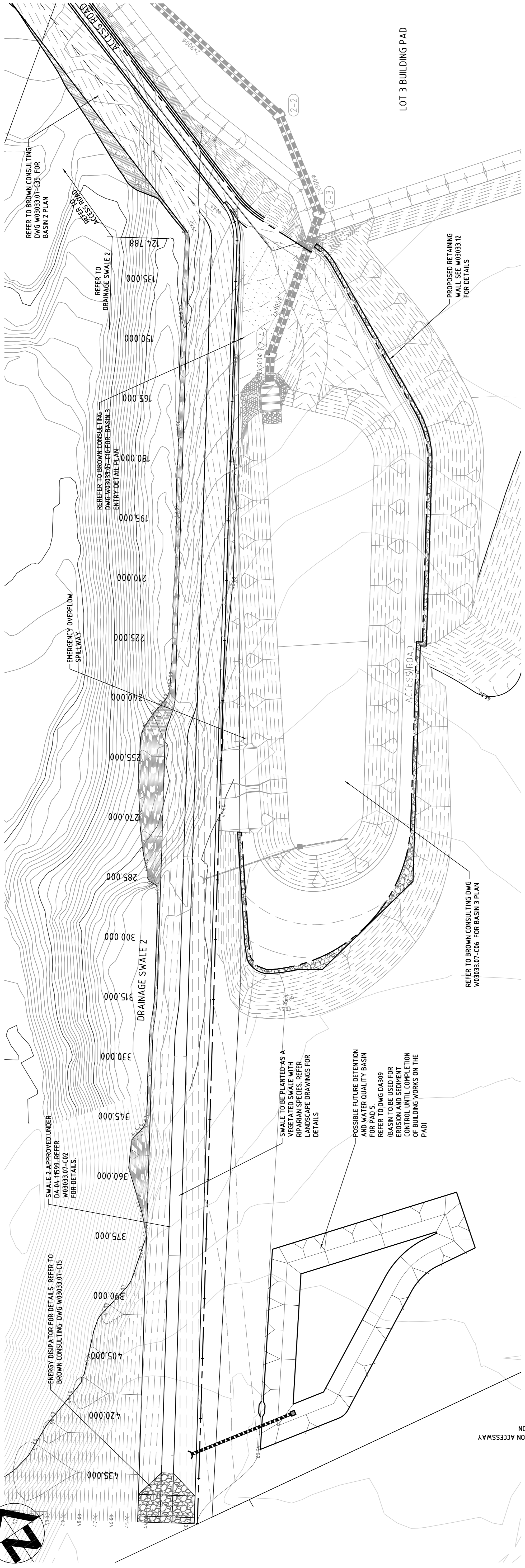
INITIALS	SIGNATURE	DATE

Client: CSR LIMITED
 Project: EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK

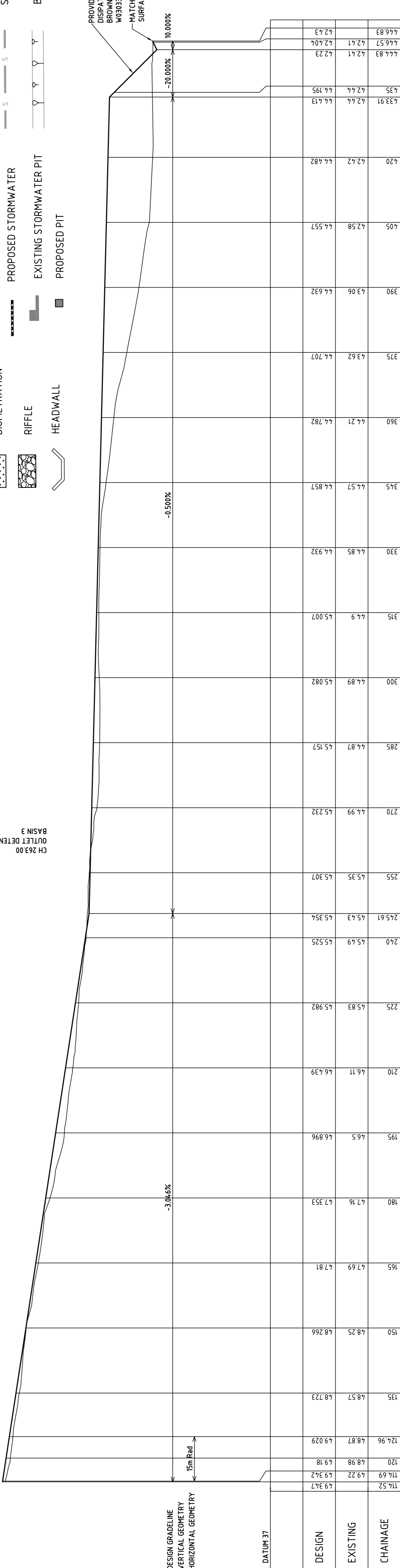
Project: CREEK 03
 PLAN AND LONGSECTION

Scale: 1:100 (H)
 1:20 (V)
 Project No: W03003.12
 Drawing No: DA206
 Sheet: 6 OF 21
 Drawn by: AK
 Design by: AK/AR
 Project No: W03003.12
 Drawing No: DA206
 Rev: 07

PRELIMINARY



- LEGEND**
- ROAD CH
 - SWALE CH
 - PIT NO.
 - PROPOSED STORMWATER
 - EXISTING STORMWATER PIT
 - PROPOSED PIT
 - POOL
 - BIOFILTRATION
 - RIFFLE
 - HEADWALL
 - EXISTING CONTOURS
 - DESIGN CONTOURS
 - SEWER LINE
 - BATTER TICK



PRELIMINARY

ACCESS ROAD AND SWALE
LOT 3 AND 4 PLAN
SWALE LONGITUDINAL SECTION

Client: CSR LIMITED
Project: EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK

Brown Consulting (NSW) Pty Ltd
Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113
Telephone: 02 9900 1000 Facsimile: 02 9900 1099

Quality Engineering Company
150 North St 404
Melbourne
Brisbane
Sydney

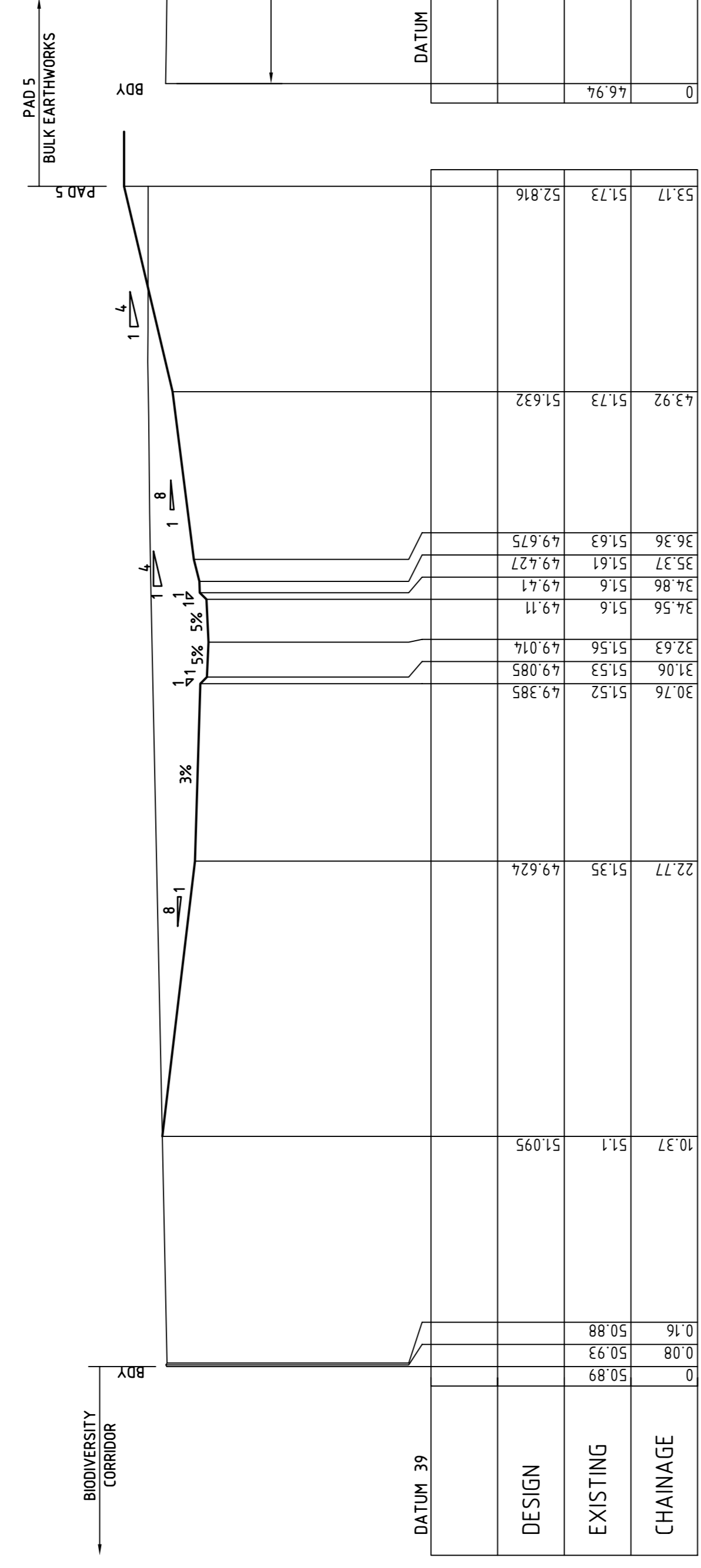
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Drawing No: DA207

REV	DATE	DESCRIPTION	APP
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06	14/03/2006	ADJUSTED OUTLET	AWK
05	07/02/2006	REVISED DA SUBMISSION	AR
04	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER	RAP
03	02/09/2005	ISSUE FOR DA APPROVAL	RAP
01	01/09/2005	ISSUE FOR COMMENTS	RAP

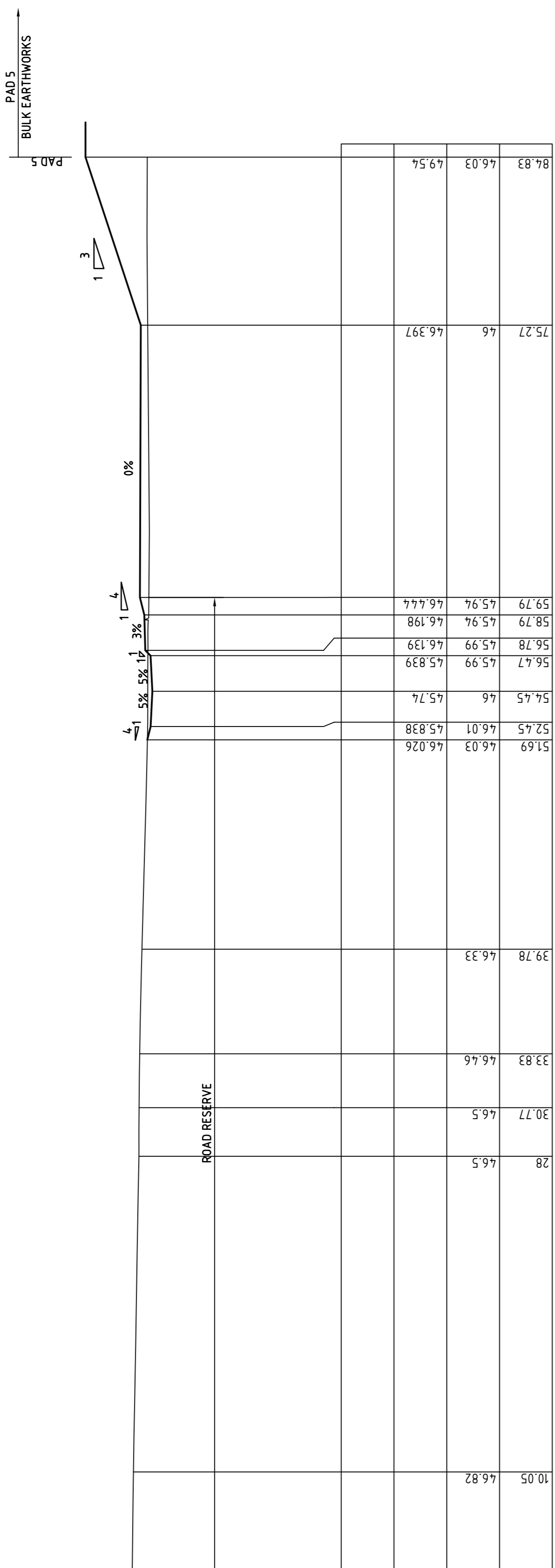
VERIFICATION INITIALS SIGNATURE DATE

DRAFTING DESIGN VERIFY APPROVED

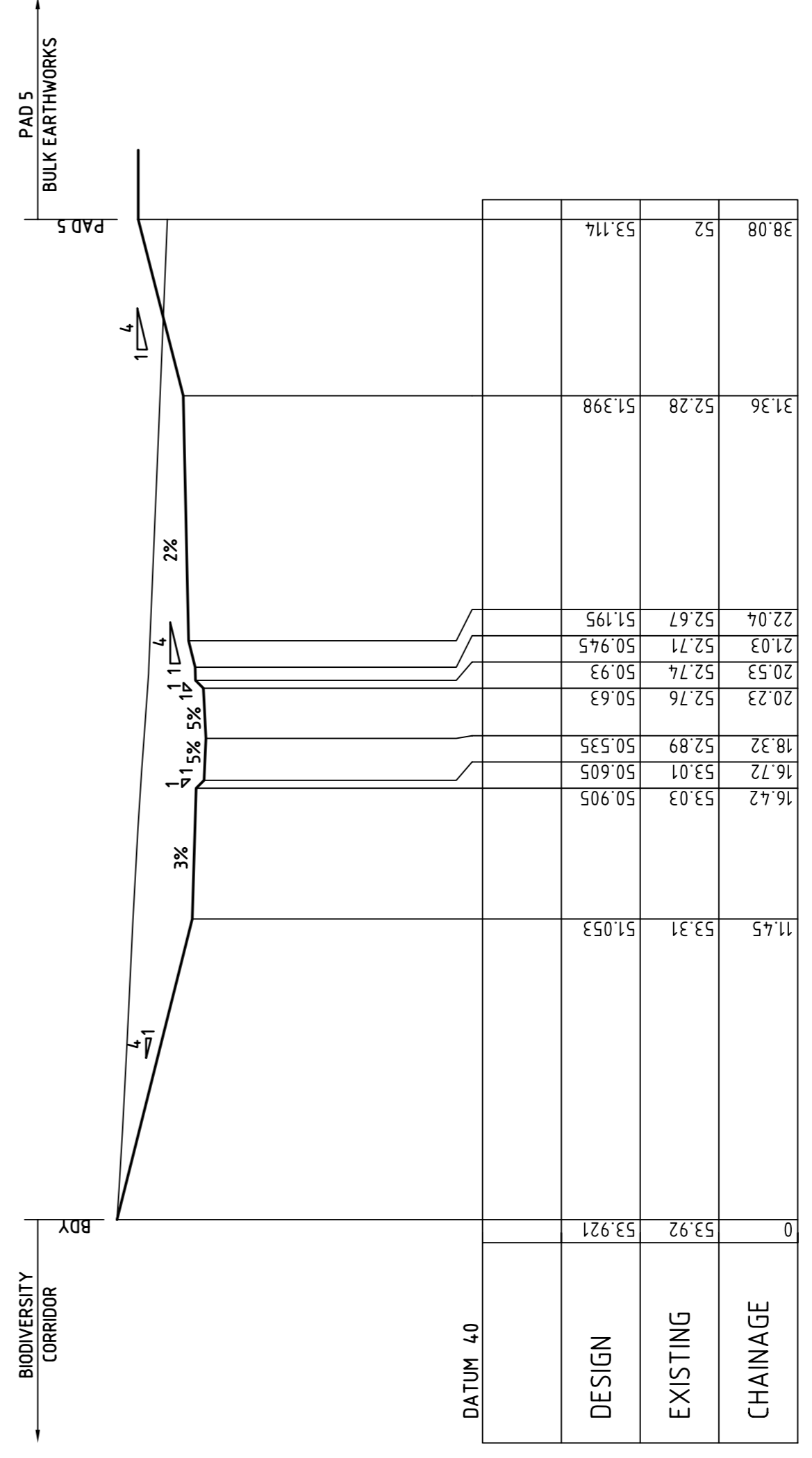
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Project No: W03033.12
Drawing No: DA207



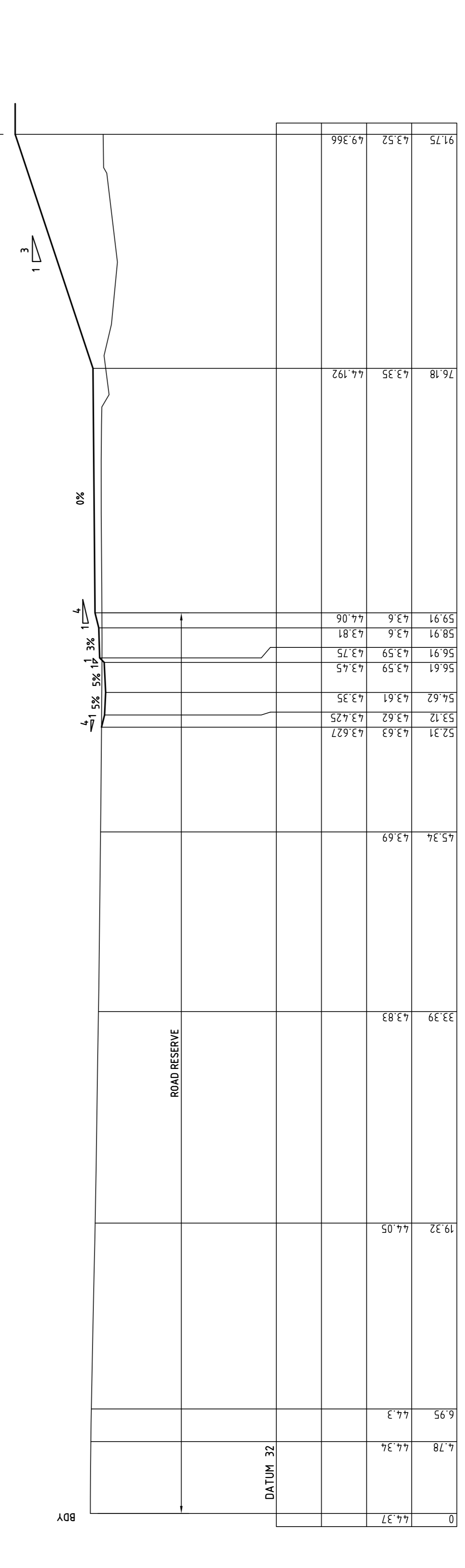
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DA20V



SECTION 3
SCALE 1:200
DA20V



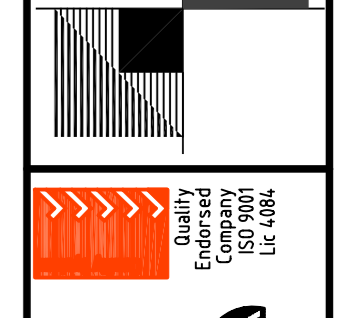
SECTION 1
SCALE 1:200
DA20V



SECTION 4
SCALE 1:200
DA20V

REV	DATE	DESCRIPTION	BY	VER	APP
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06	14/02/2006	ADJUSTED OUTLETS	AKK	FRAP	
05	07/02/2006	REVISED DA SUBMISSION	AR	FRAP	
04	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER	RAP	FRAP	
03	02/09/2005	ISSUE FOR DA APPROVAL	RAP	FRAP	
02	01/09/2005	ISSUE FOR COMMENTS	RAP	FRAP	
01					

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 Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113
 Telephone: 02 9900 1000 Facsimile: 02 9900 1099
 Sydney, Canberra, Brisbane, Melbourne, Singapore

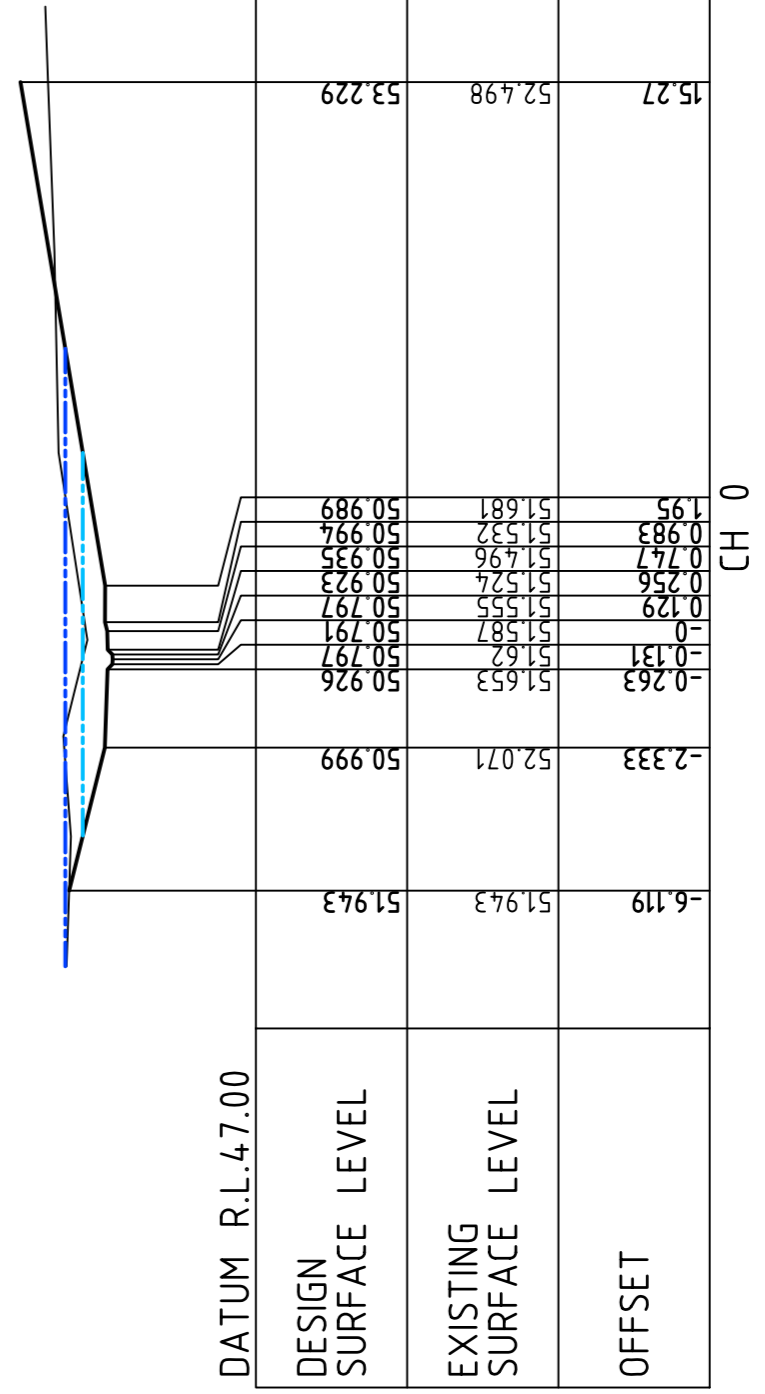
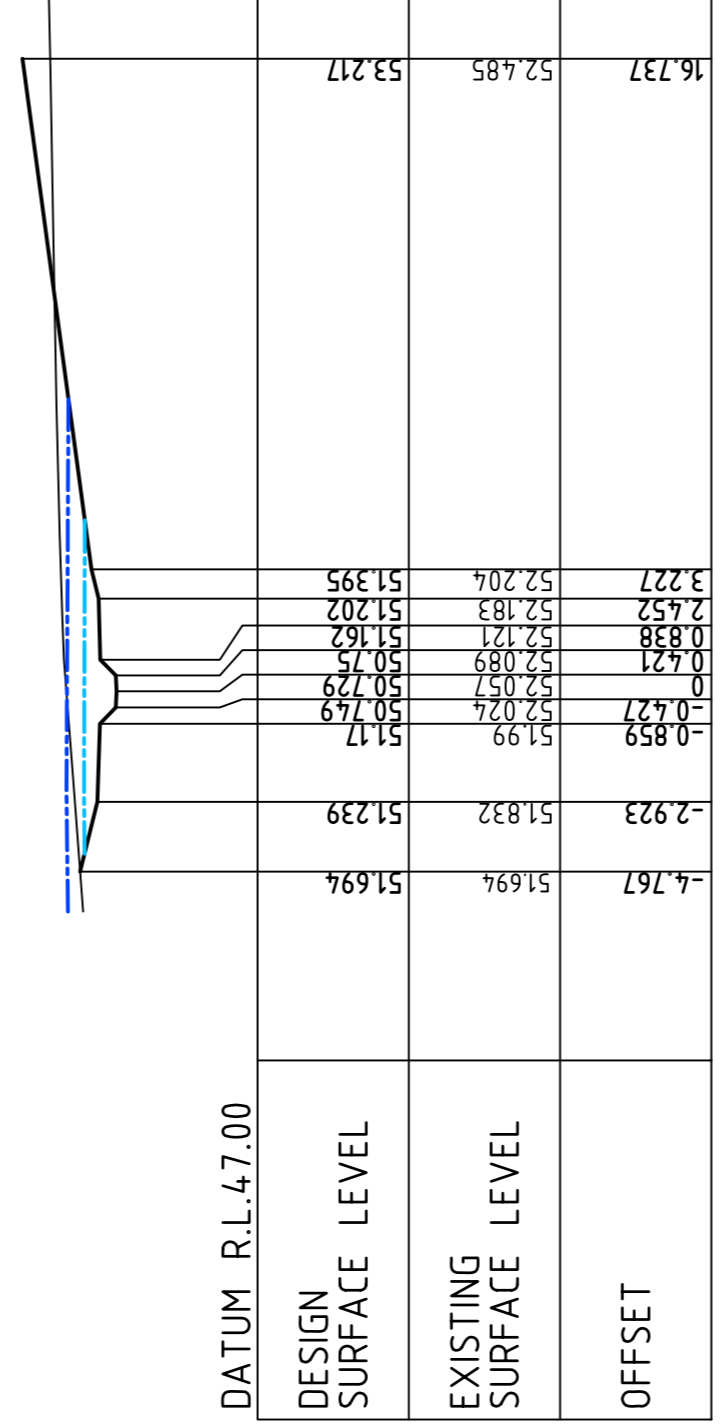
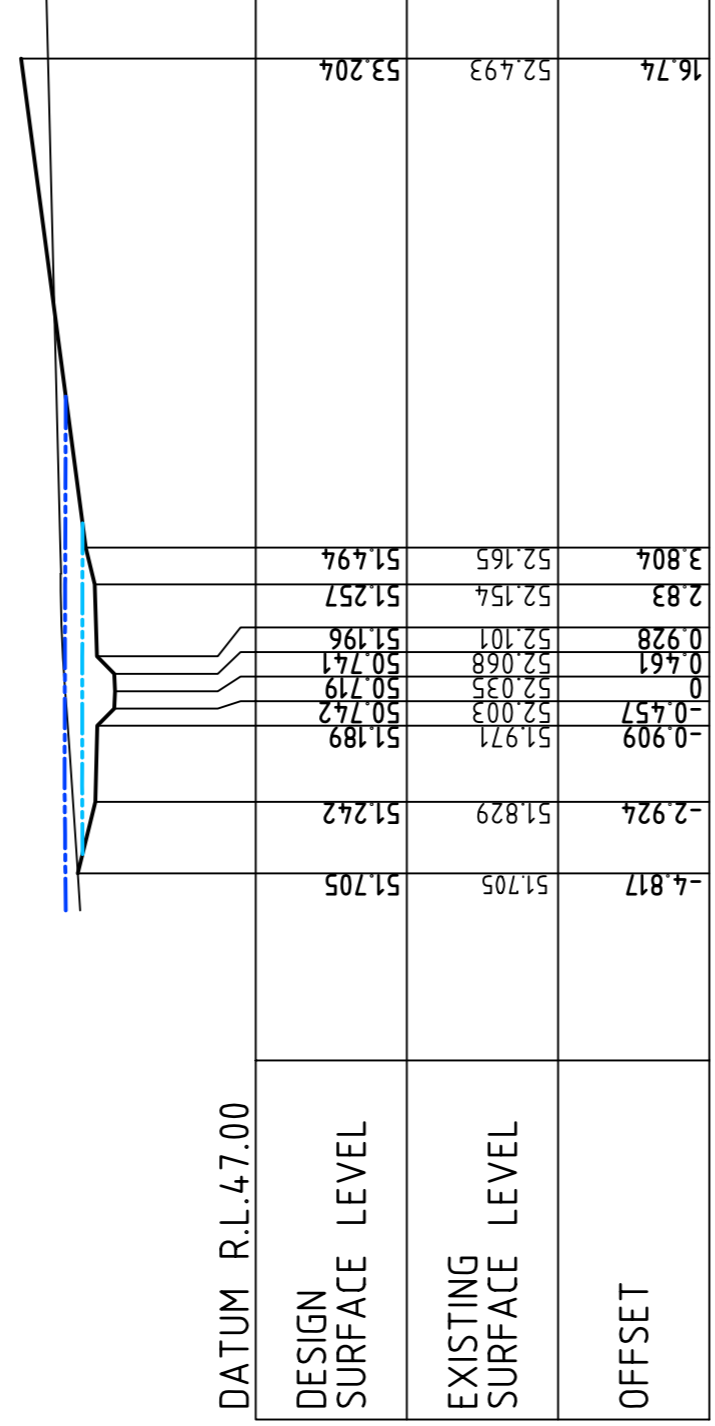
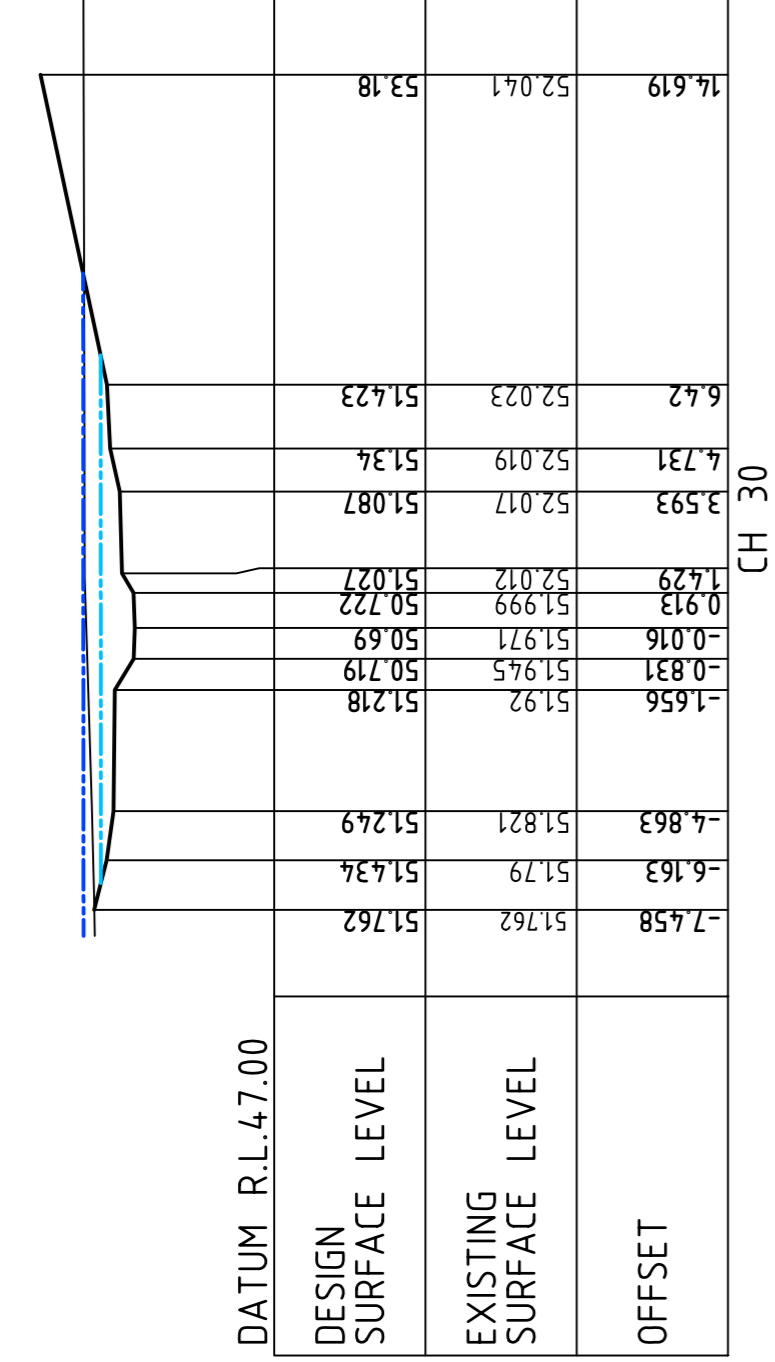
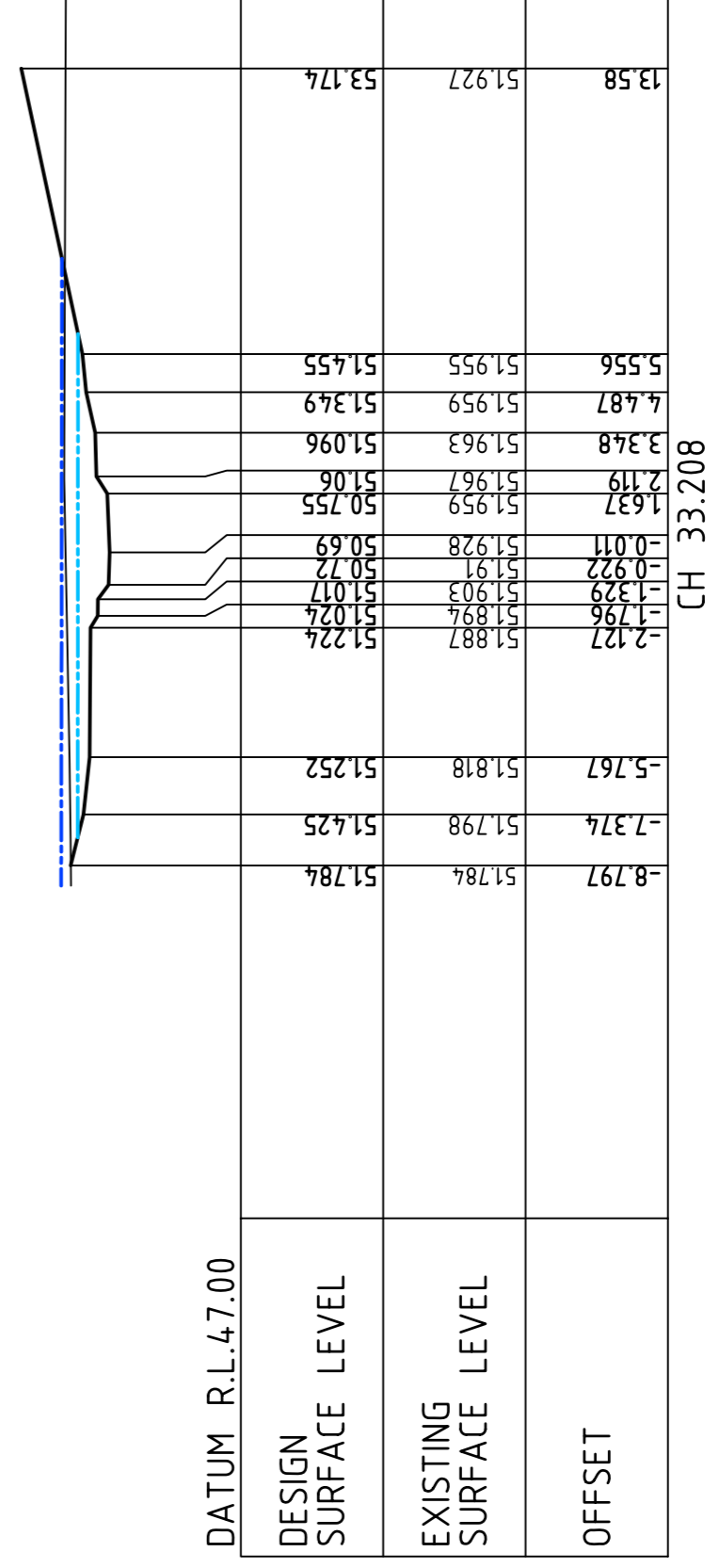
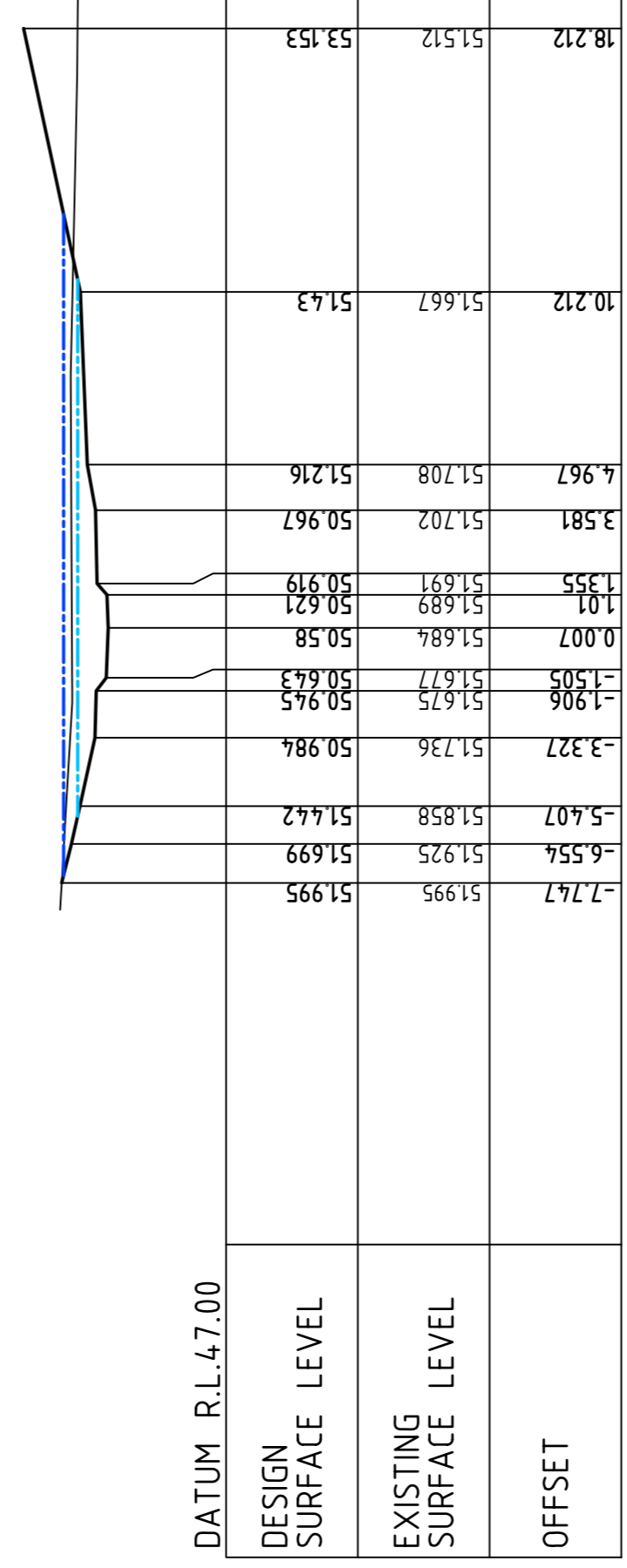
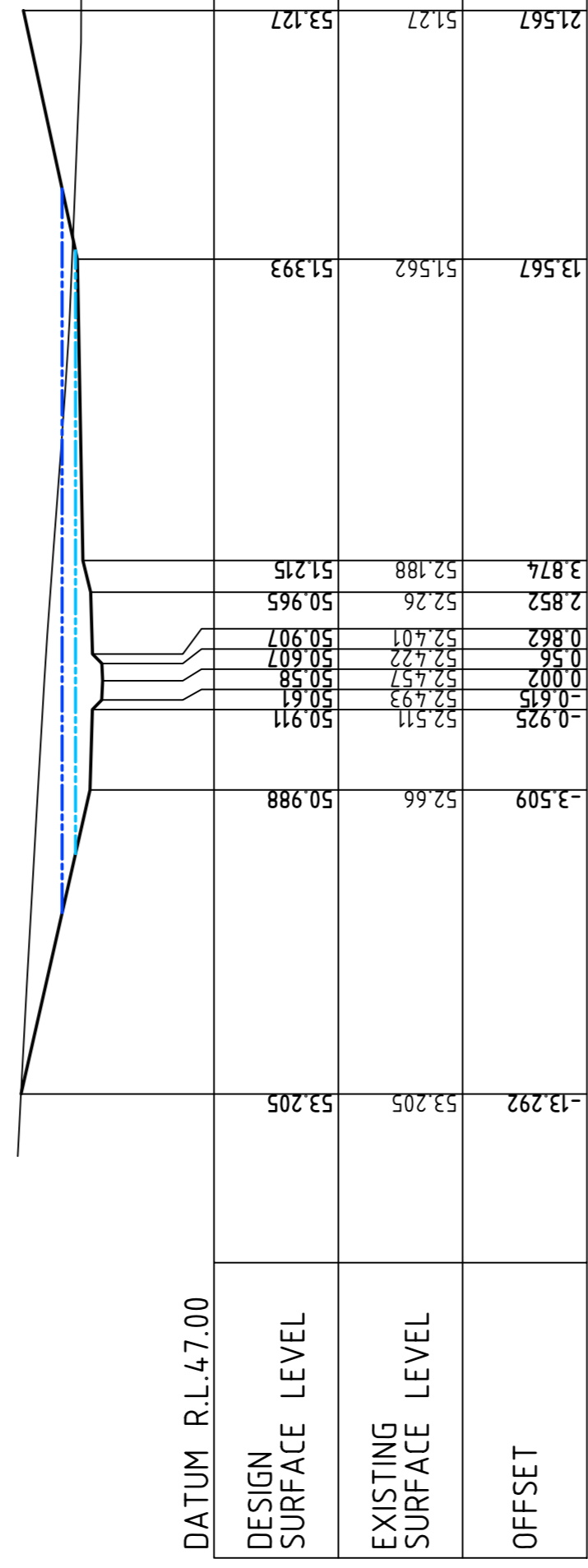
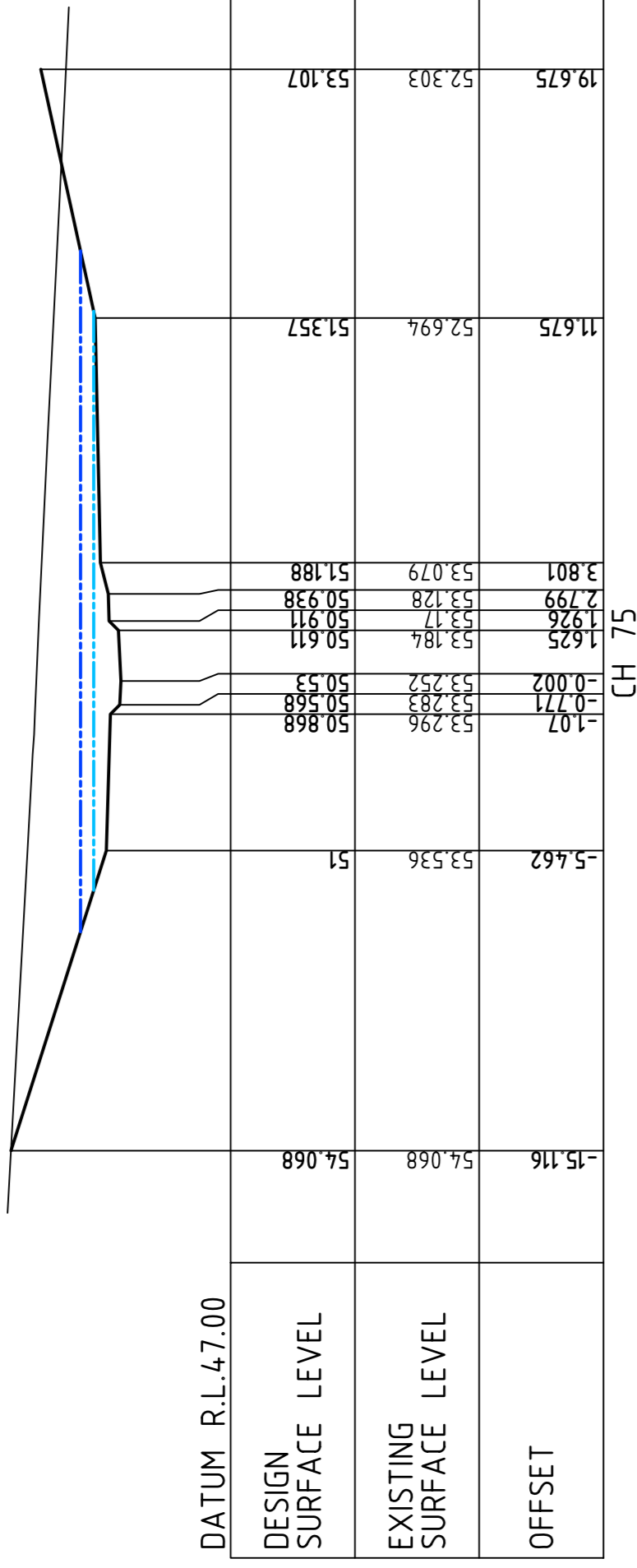
VERIFICATION	INITIALS	SIGNATURE	DATE
DRAFTING			
DESIGN			
VERIFY			
APPROVED			

Client: **CSR LIMITED**
 Project: **EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK**

Drawn by: AK
 Design by: AR
 Project No: W03003.12
 Drawing No: DA208
 Sheet: 8 OF 21
 Scale: 1:200
 Rev: 07

PRELIMINARY

TYPICAL SECTIONS



LEGEND
- - - 100yr ARI WATER LEVEL
- - - 2yr ARI WATER LEVEL

PRELIMINARY

Drawn by: AK
Design by: AR
Project No: W03003.12
Drawing No: DA209

CREEK SECTIONS
CH 0.00 TO CH 75.00

CSR LIMITED
EASTERN SITE WORKS SUBDIVISION
SOUTHERN CREEK

Client:

VERIFICATION INITIALS	SIGNATURE	DATE
DRAFTING		
DESIGN		
VERIFY		
APPROVED		

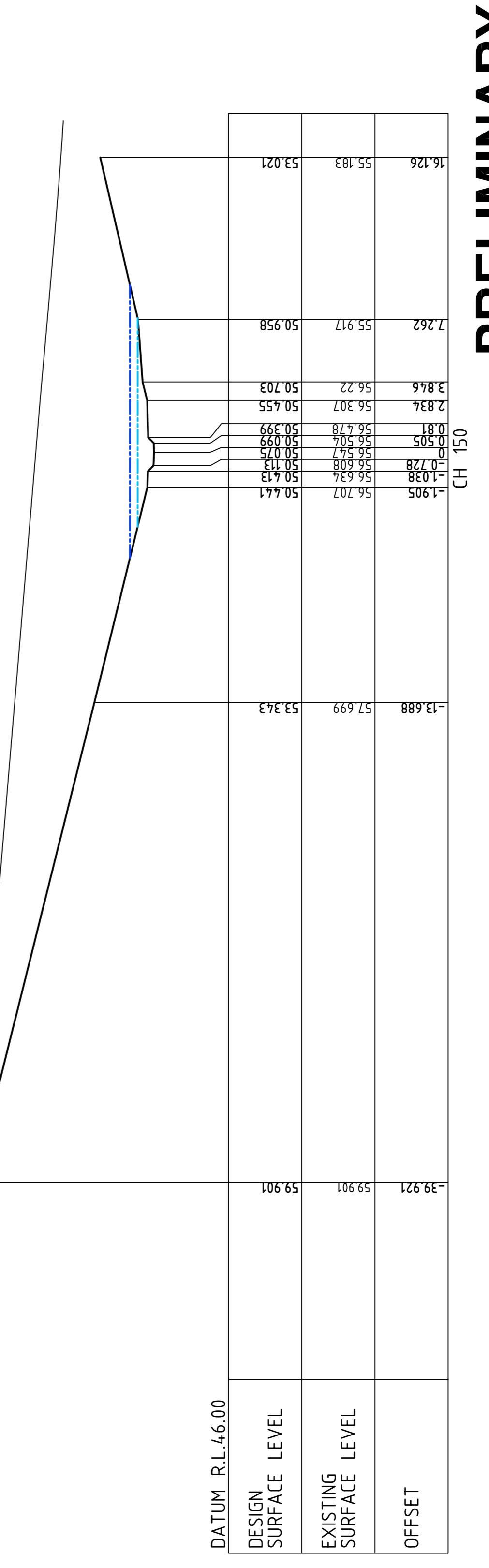
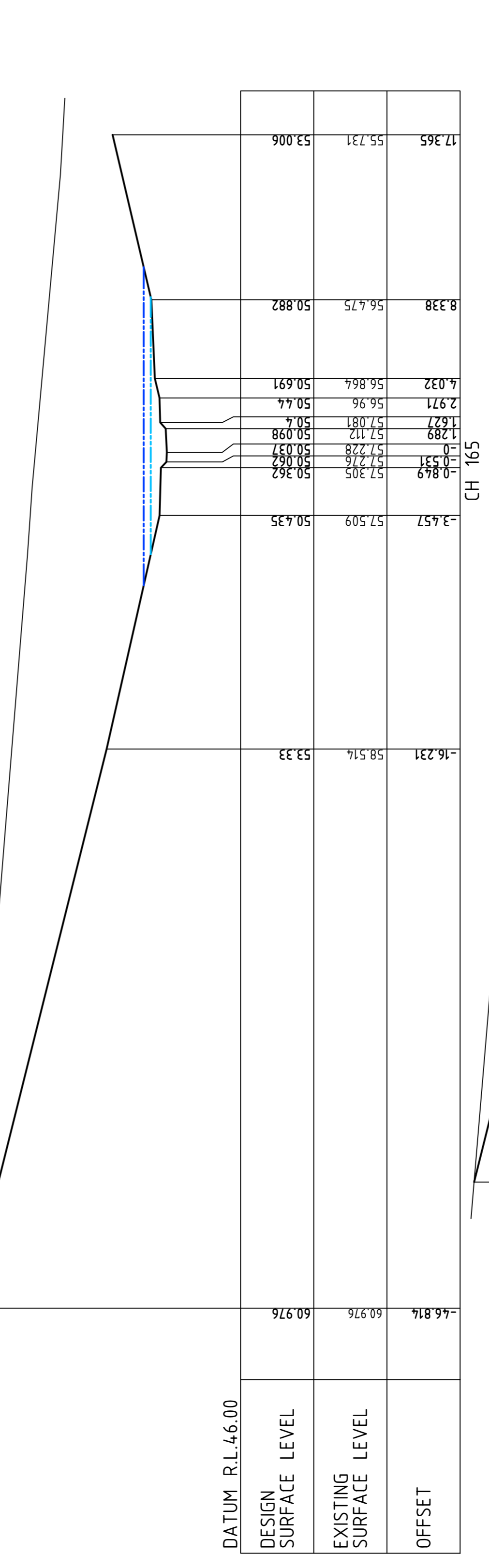
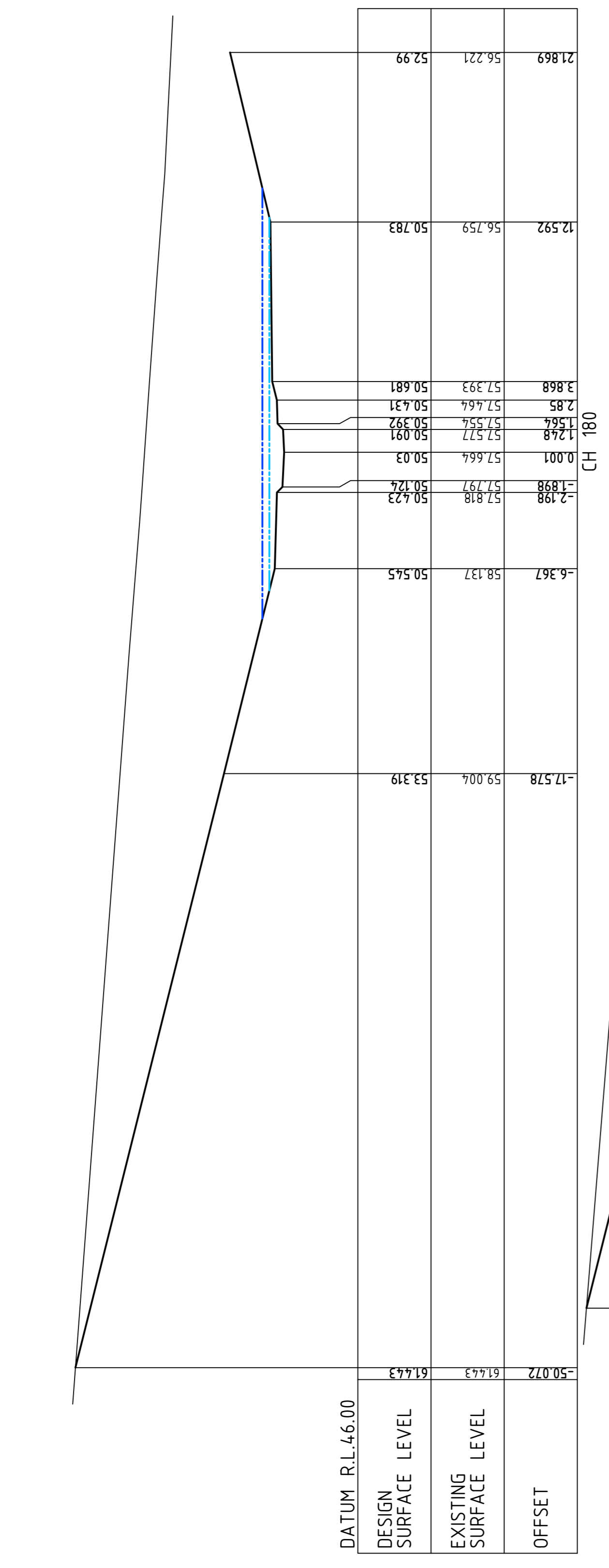
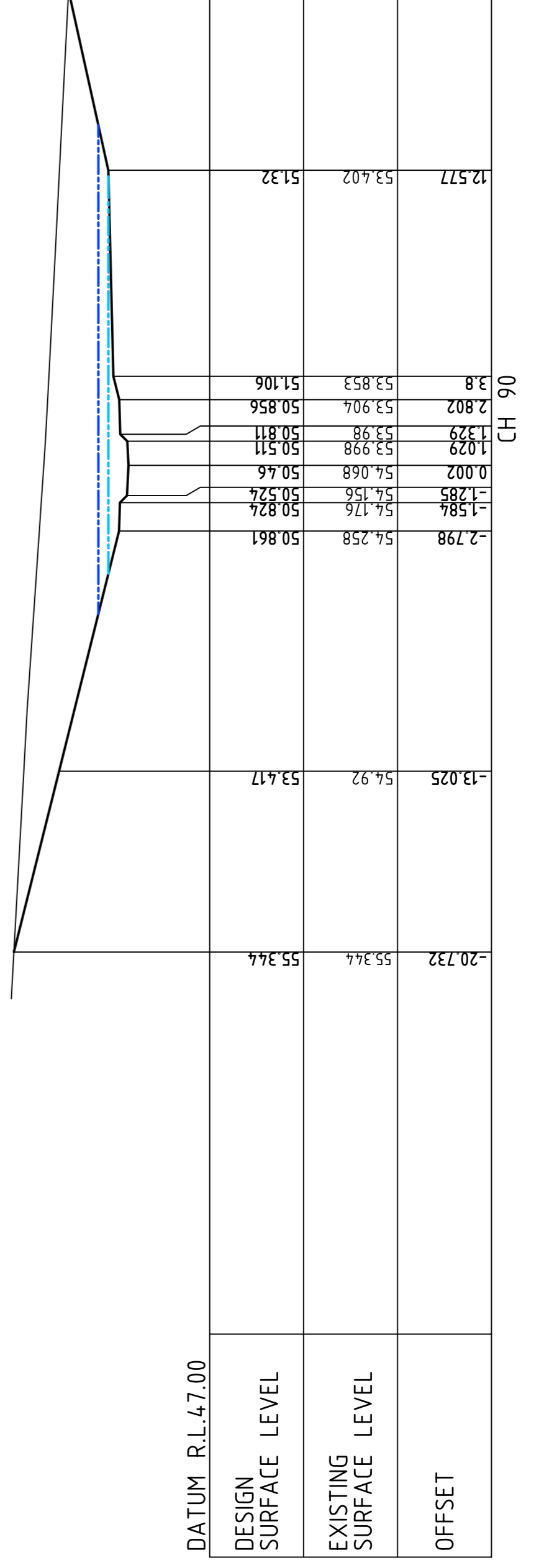
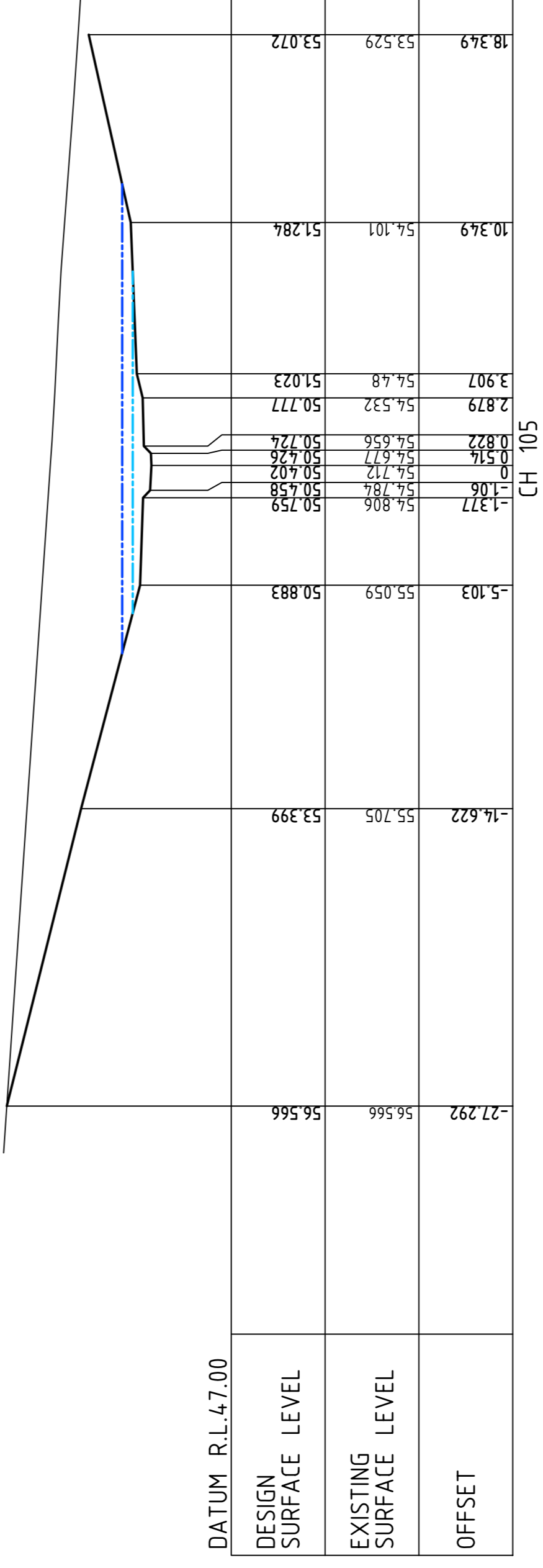
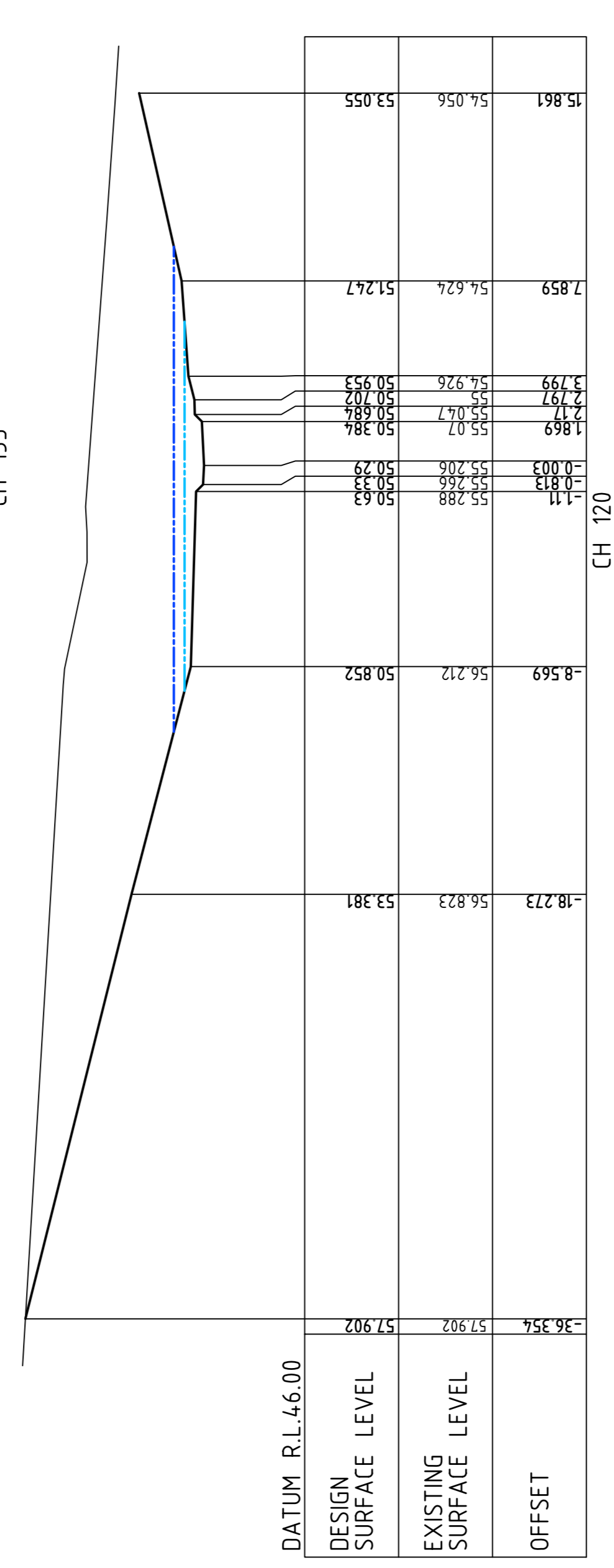
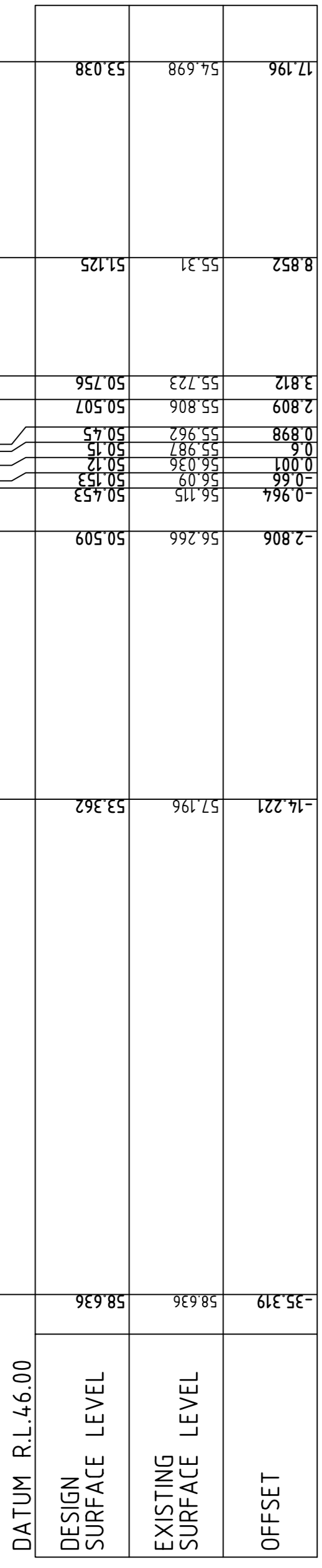
Brown Consulting (NSW) Pty Ltd
Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113
Telephone: 02 9900 1000 Facsimile: 02 9900 1099



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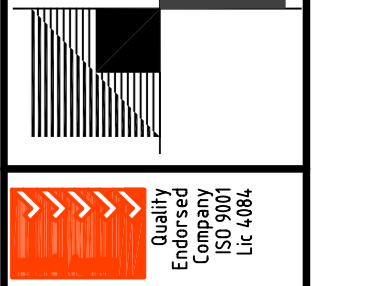
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01	07/09/2005	ISSUE FOR COMMENTS		
02	02/09/2005	ISSUE FOR DA APPROVAL		
03	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER		
04	07/02/2006	REVISED DA SUBMISSION		
05	07/02/2006	REVISED DA SUBMISSION		
06	14/03/2006	ADJUSTED OUTLET		
07	02/06/06	REVISED PAID LEVELS		

LEGEND
 --- 100yr ARI WATER LEVEL
 --- 2yr ARI WATER LEVEL



REV	DATE	DESCRIPTION	BY	VER	APP
07	12/02/2006	REVISED PAID LEVELS	RAP	RAP	
06	14/03/2006	ADJUSTED OUTLET	AKK	RAP	
05	07/02/2006	REVISED DA SUBMISSION	AR	RAP	
04	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER	RAP	RAP	
03	02/09/2005	ISSUE FOR DA APPROVAL	RAP	RAP	
02	01/09/2005	ISSUE FOR COMMENTS	RAP	RAP	
01					

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DESIGN					
VERIFY					
APPROVED					

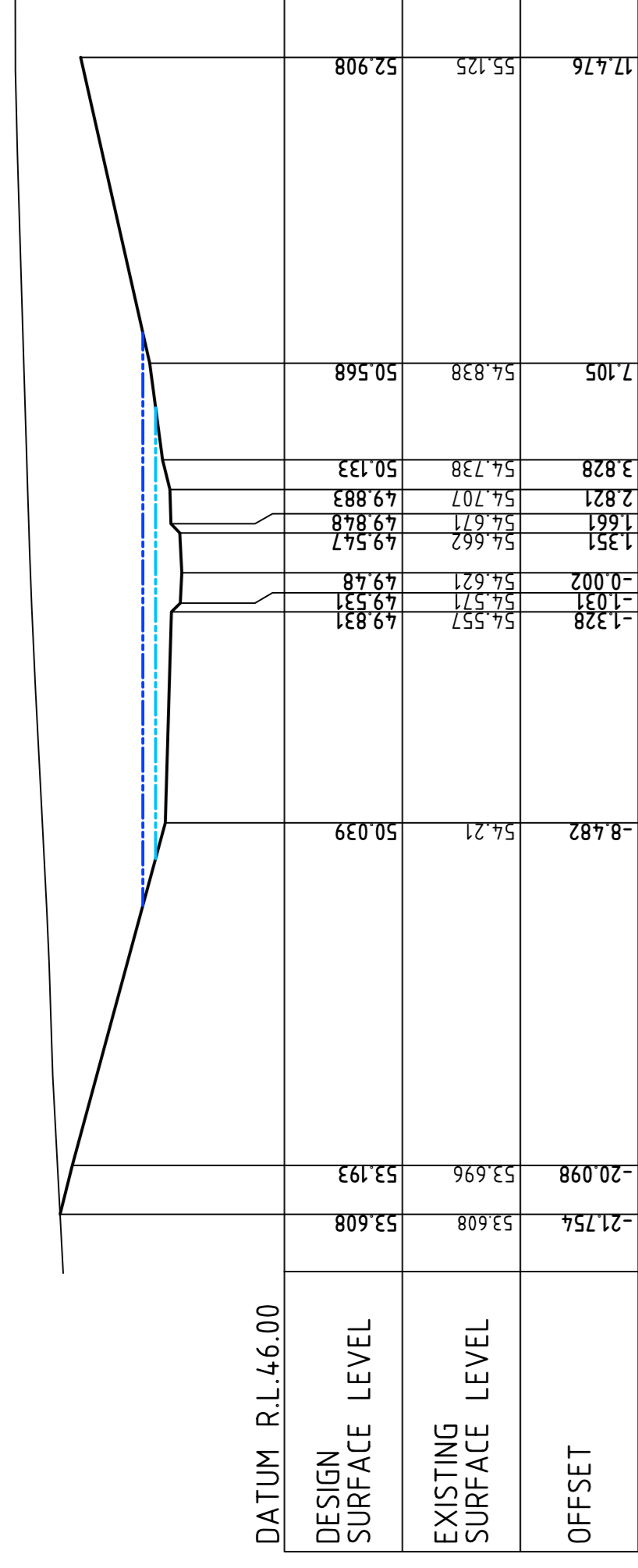
Client: **CSR LIMITED**
 Project: **EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK**

Drawn by: AK
 Design by: AR
 Project No: W030033.12
 Drawing No: DA210
 Sheet: 10 OF 21
 Scale: 1:200
 Rev: 07

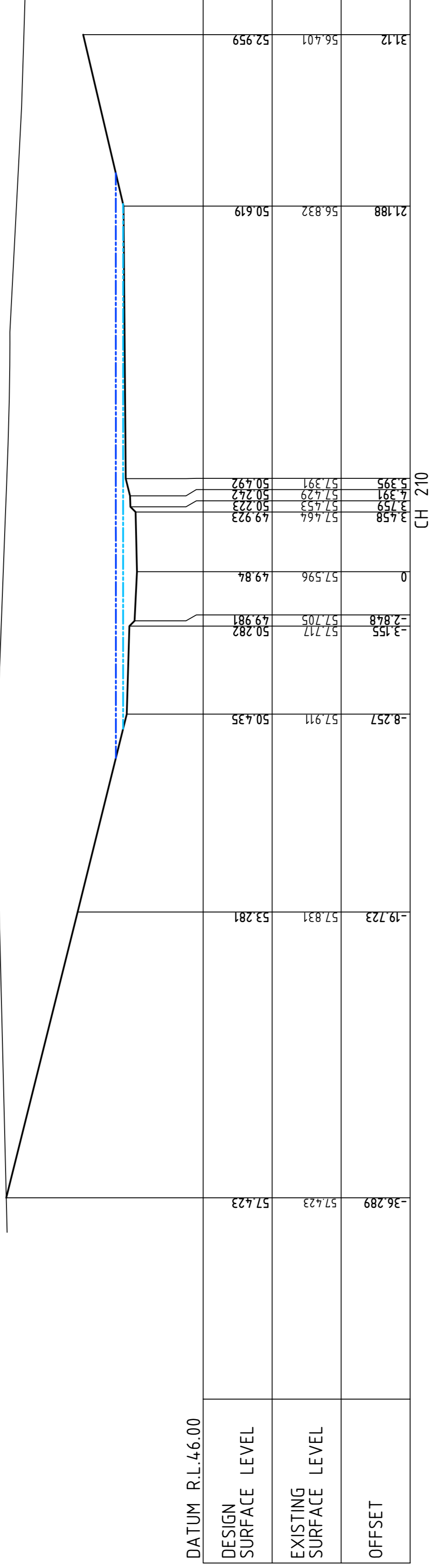
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CREEK SECTIONS
 CH 90.00 TO CH 180.00

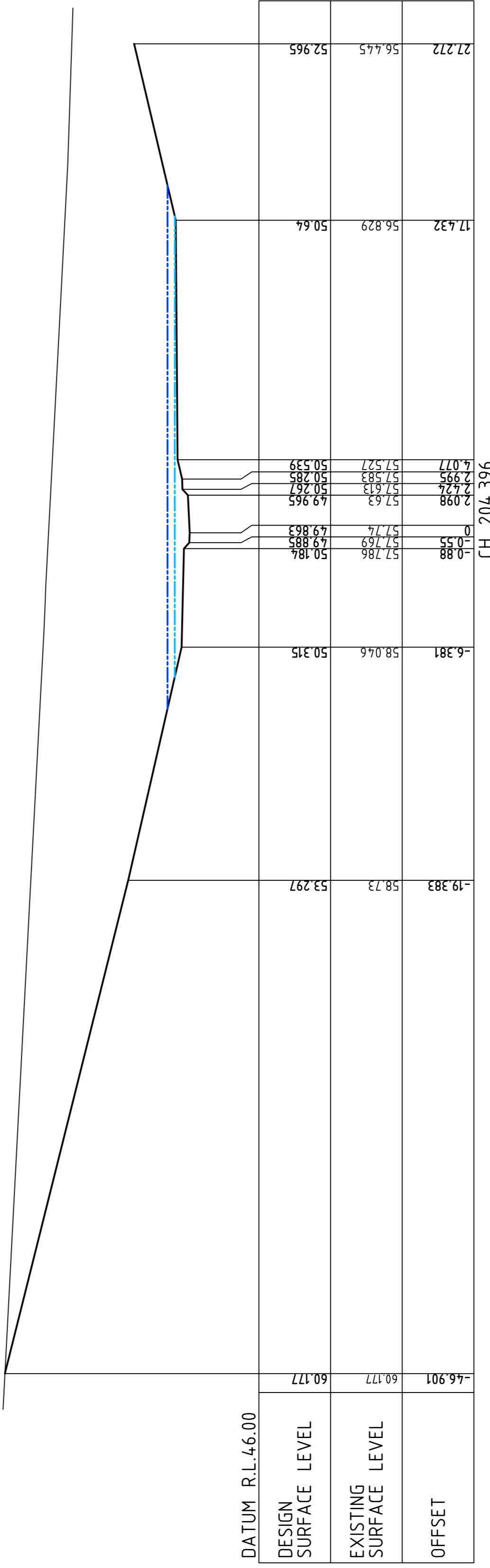
LEGEND
 - - - 100yr ARI WATER LEVEL
 - - - 2yr ARI WATER LEVEL



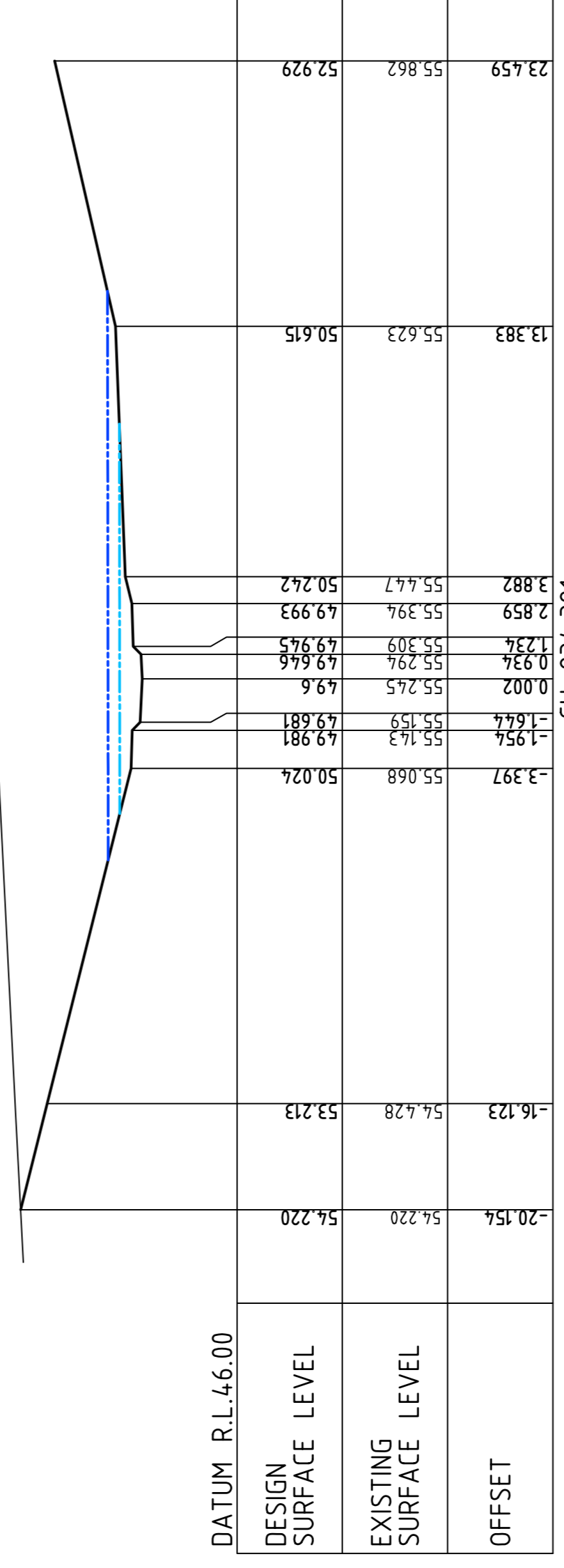
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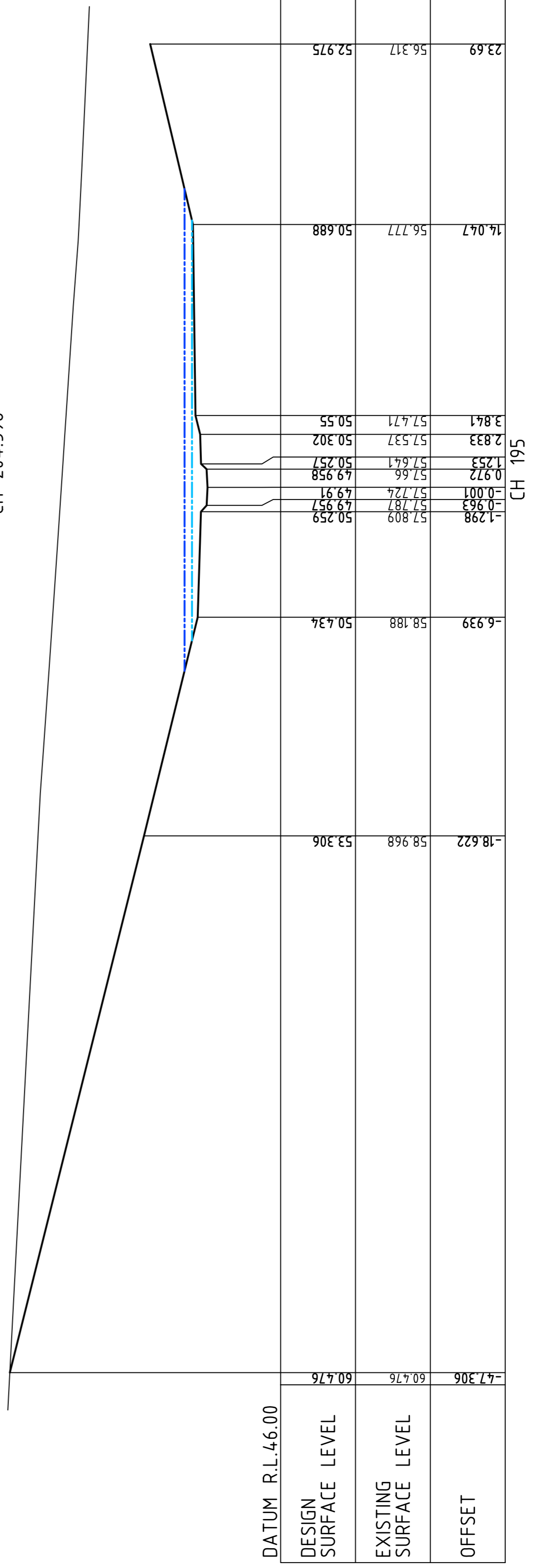
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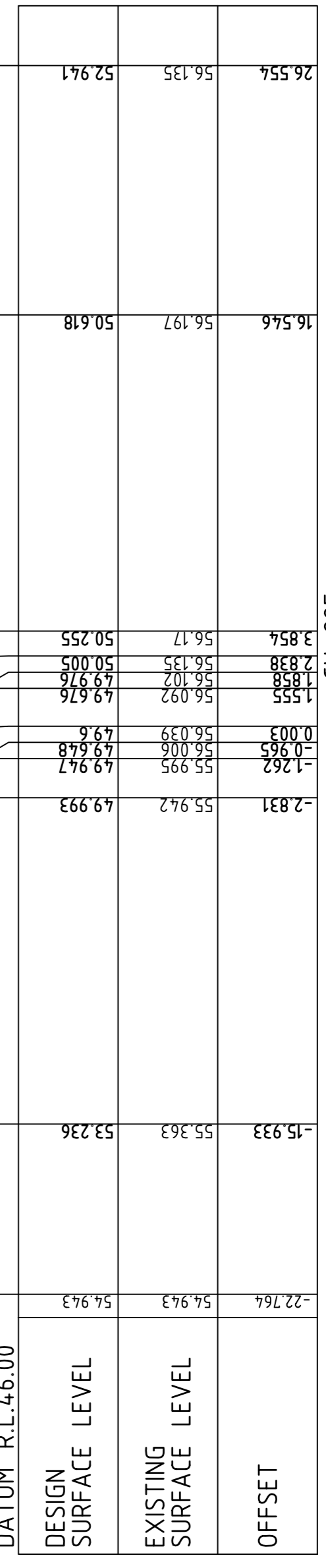
CH 204.396



CH 234.391



CH 195



CH 225

PRELIMINARY

CSR LIMITED
 EASTERN SITE WORKS SUBDIVISION
 SOUTHERN CREEK

CREEK SECTIONS
 CH 195.00 TO CH 255.00

Client: Brown Consulting (NSW) Pty Ltd
 Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113
 Telephone: 02 9900 1000 Facsimile: 02 9900 1099

Project: Eastern Site Works Subdivision Southern Creek

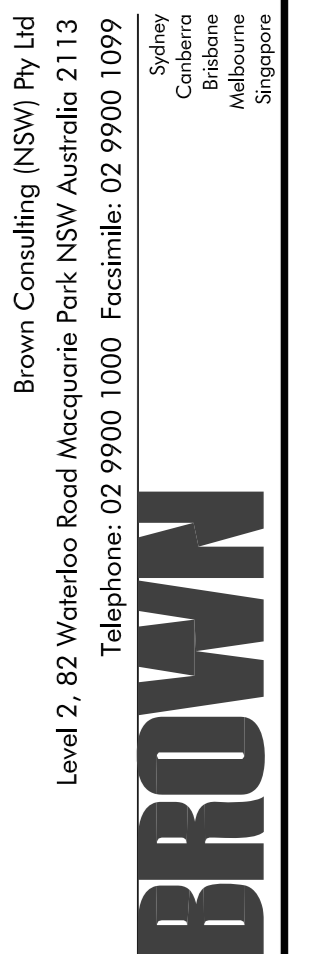
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Project No: W03003.12

Drawing No: DA211

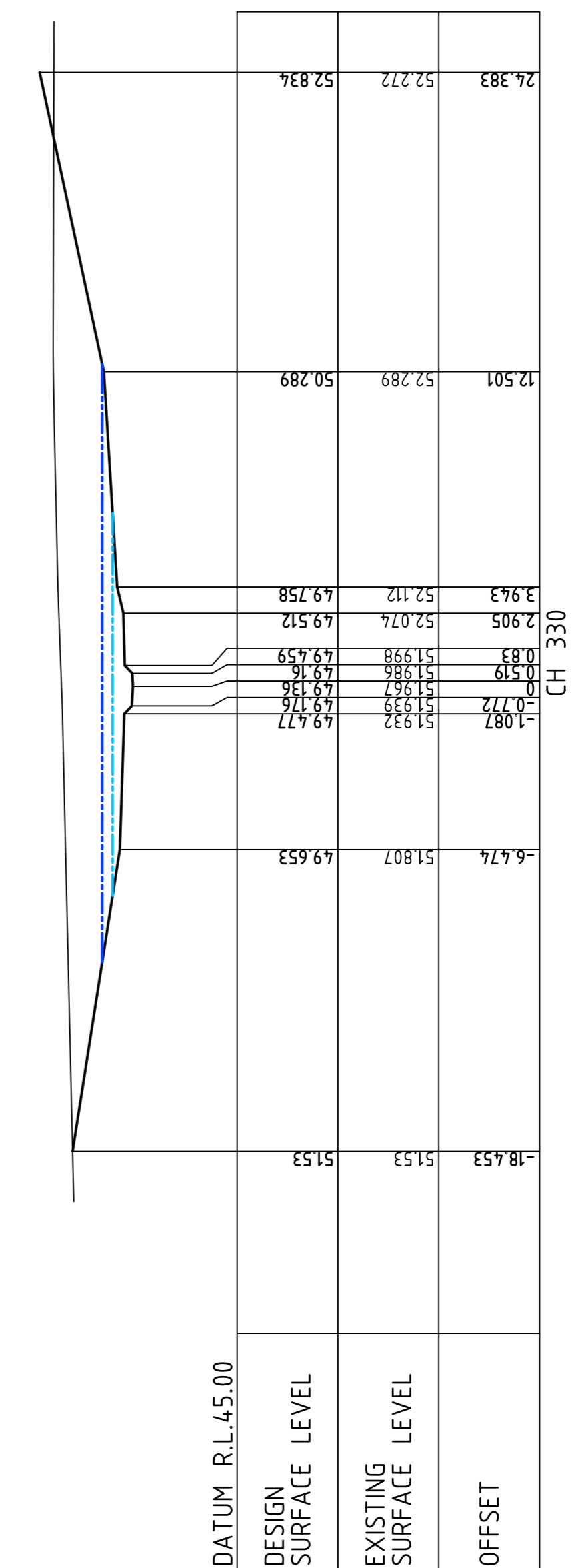
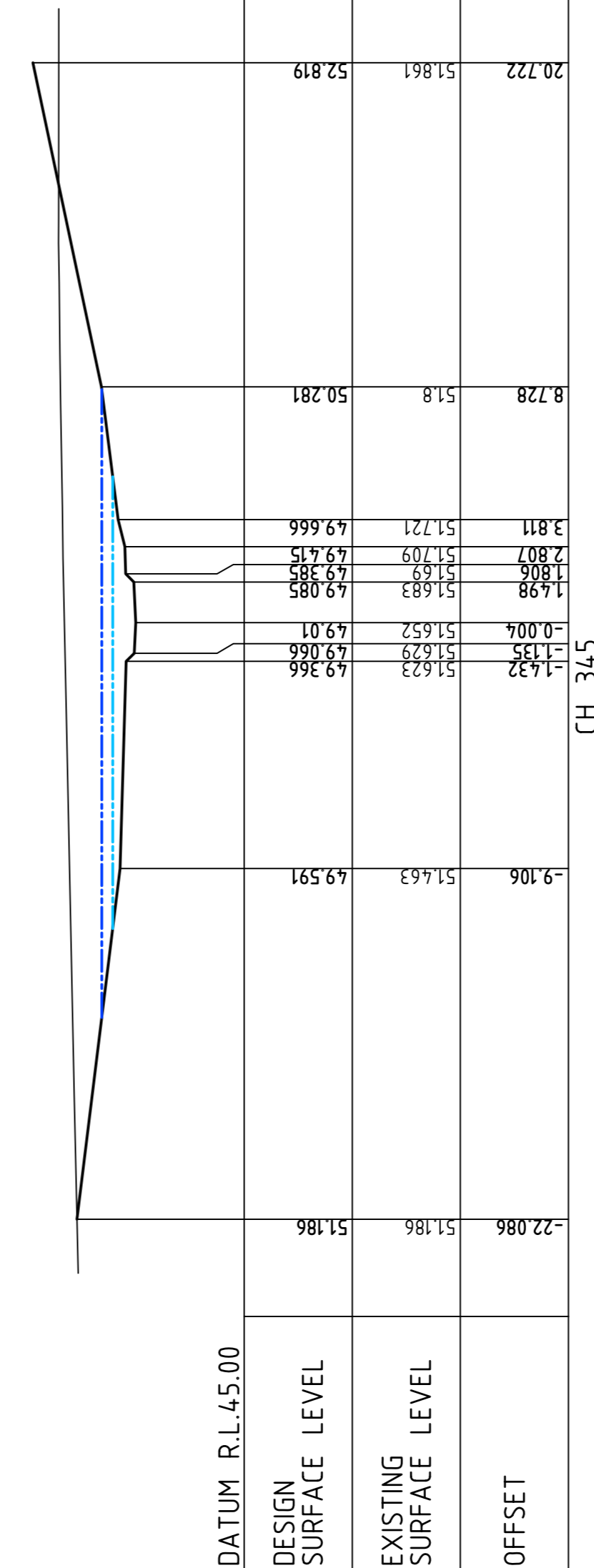
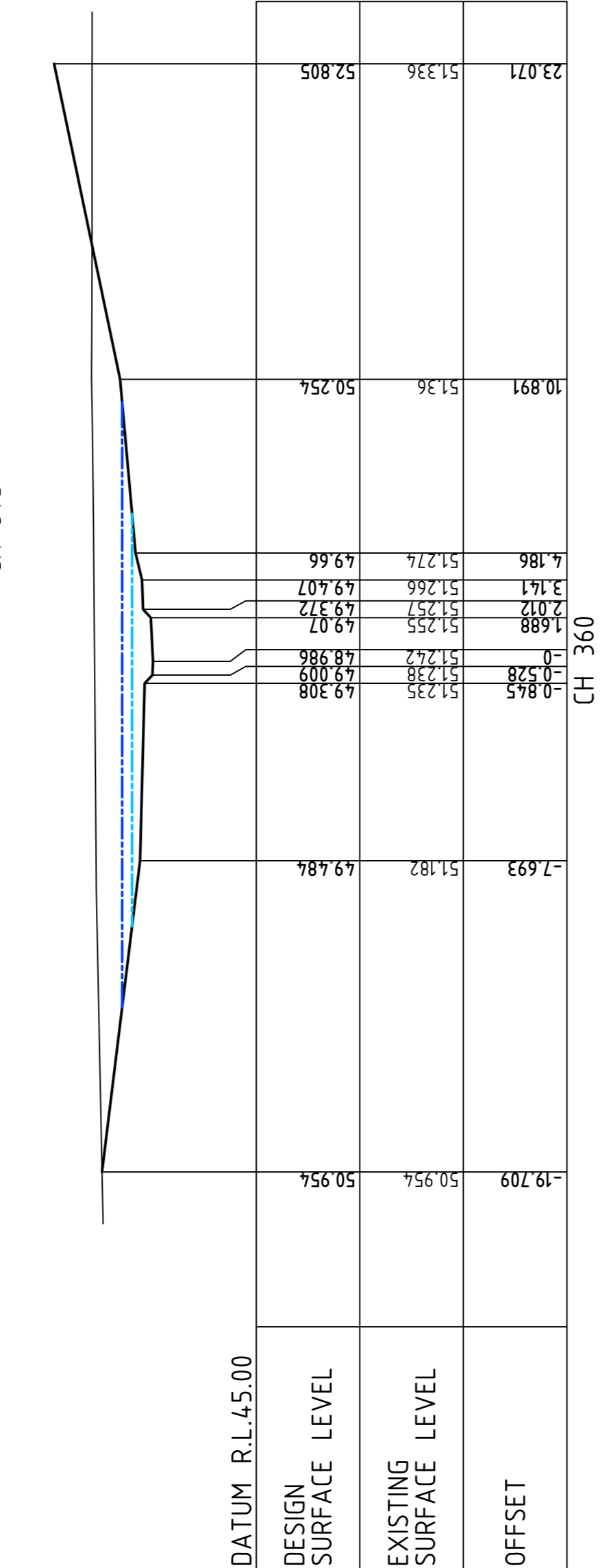
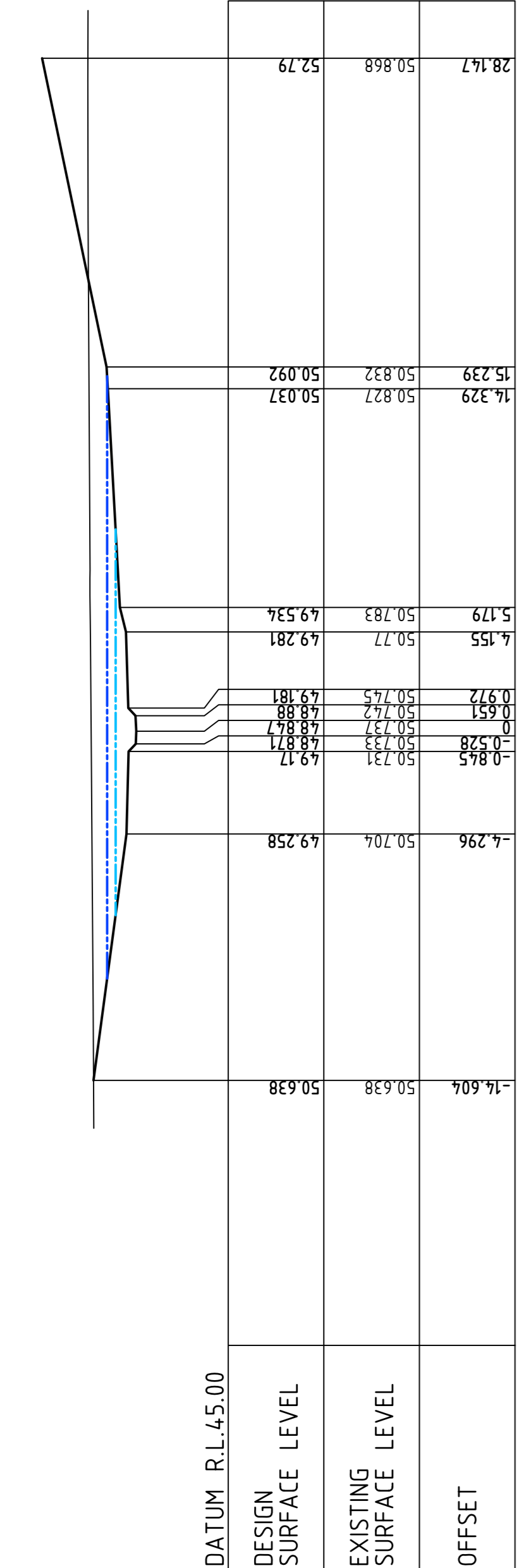
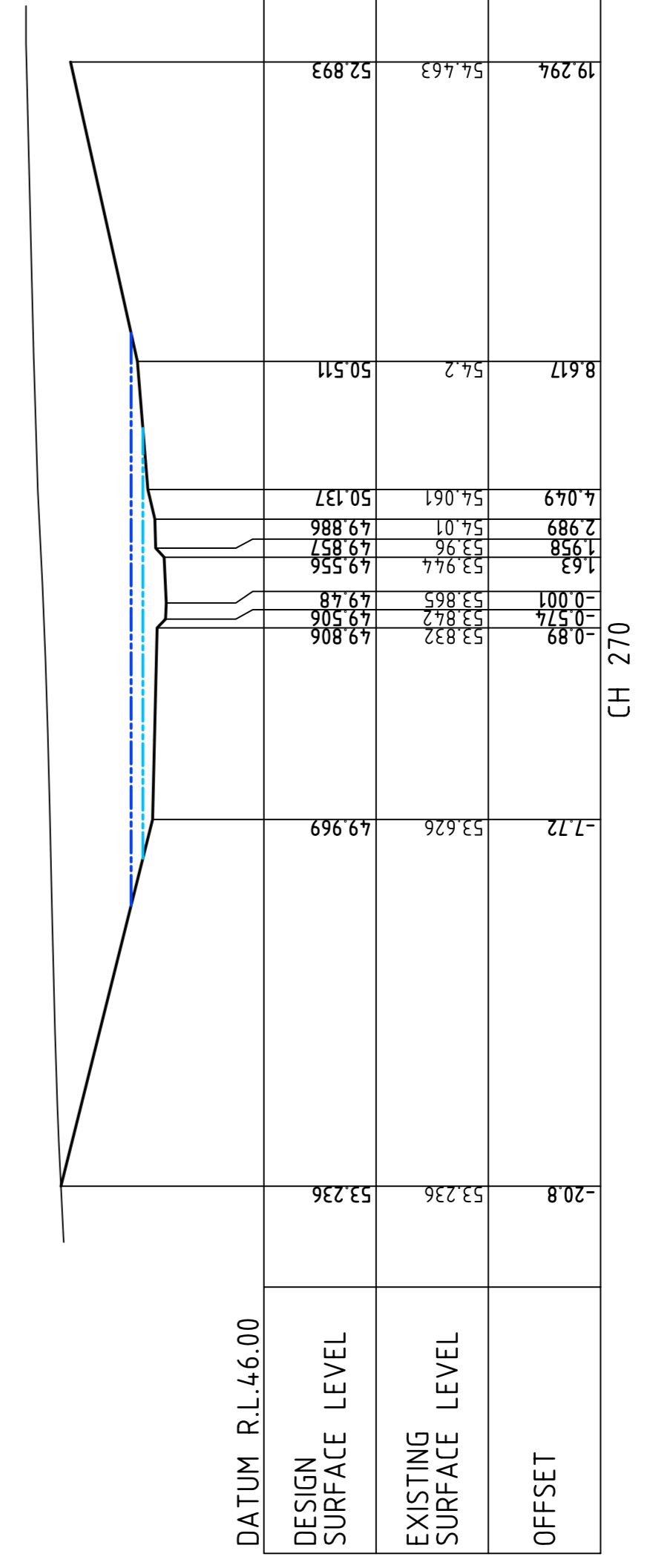
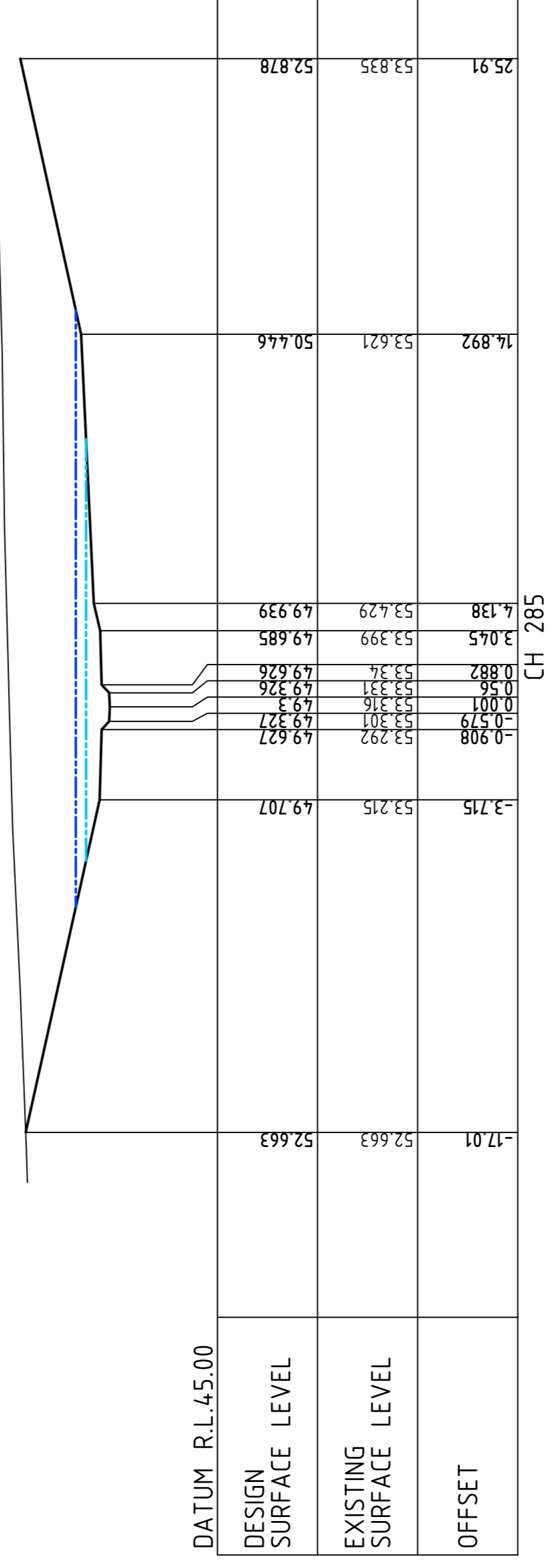
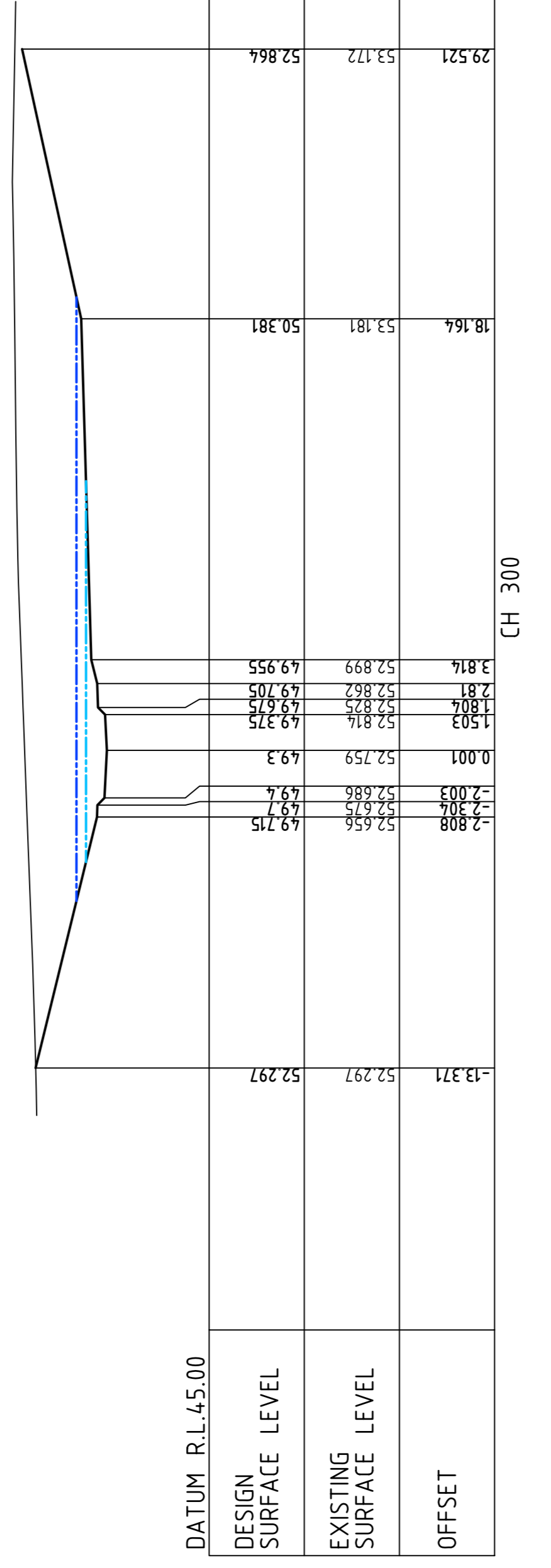
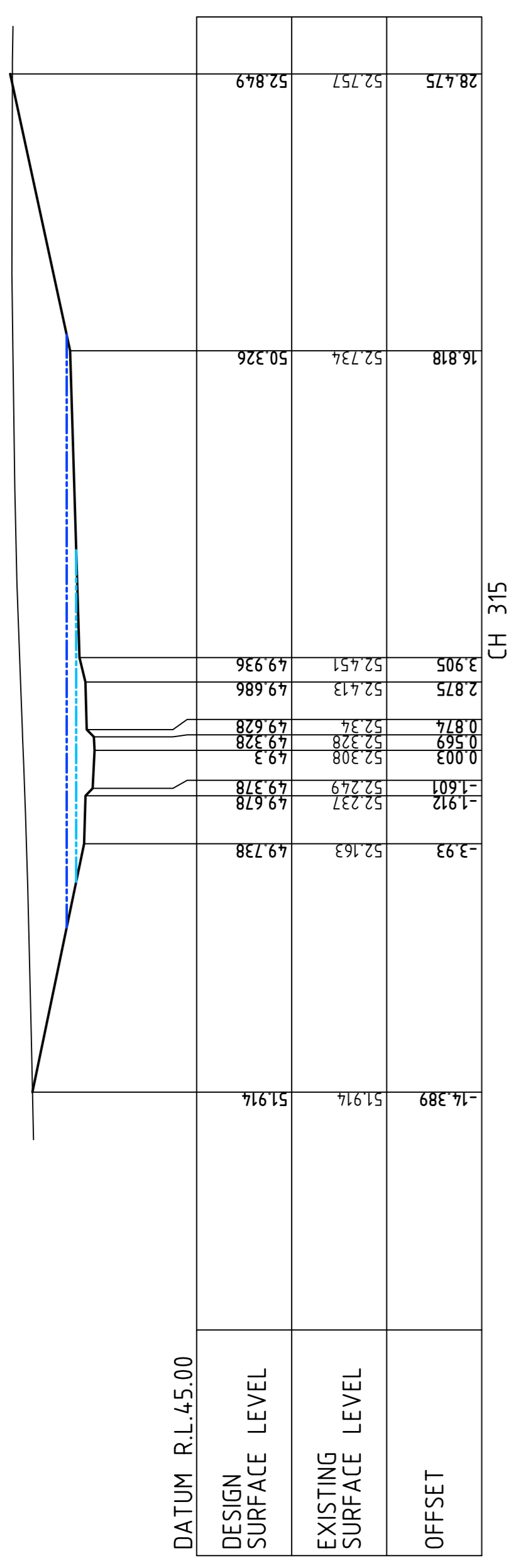
Revision: 07

VERIFICATION	INITIALS	SIGNATURE	DATE
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DESIGN			
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APPROVED			



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07	12/02/2005	REVISED PAID LEVELS	RAP	RAP
06	14/03/2005	ADJUSTED OUTLET	AKK	RAP
05	07/02/2005	REVISED DA SUBMISSION	AR	RAP
04	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER	RAP	RAP
03	02/09/2005	ISSUE FOR DA APPROVAL	RAP	RAP
02	01/09/2005	ISSUE FOR COMMENTS	RAP	RAP
01				



PRELIMINARY

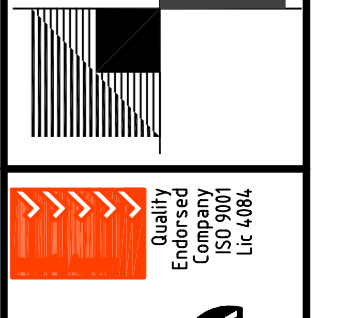
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 Project: EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK
 Drawing No: DA212
 Rev: 07

Drawn by: AK
 Design by: AR
 Project No: W03003.12
 Drawing No: DA212

Sheet: 12 OF 21
 Scale: 1:200

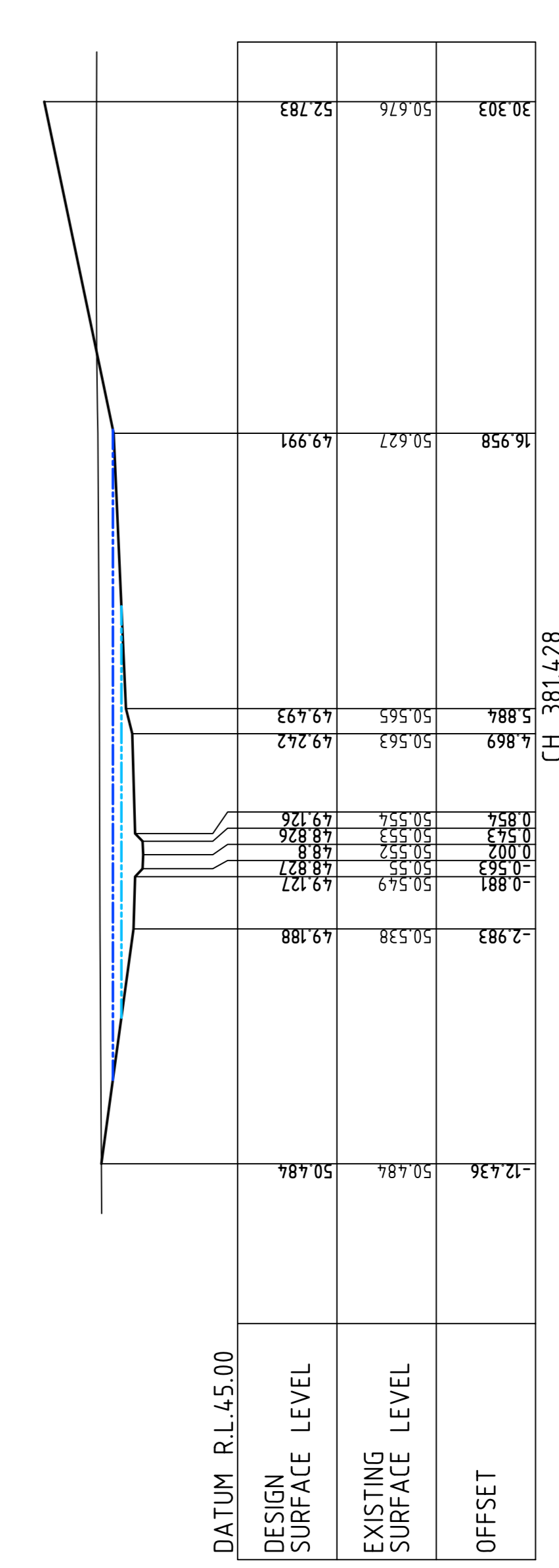
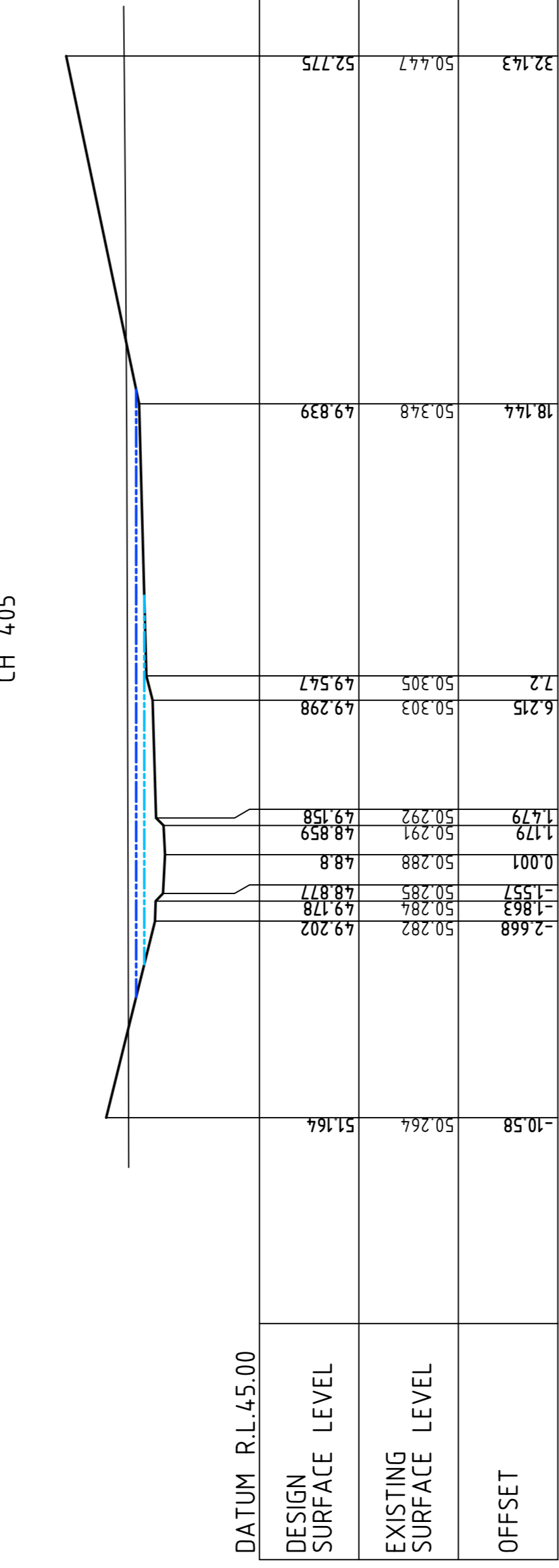
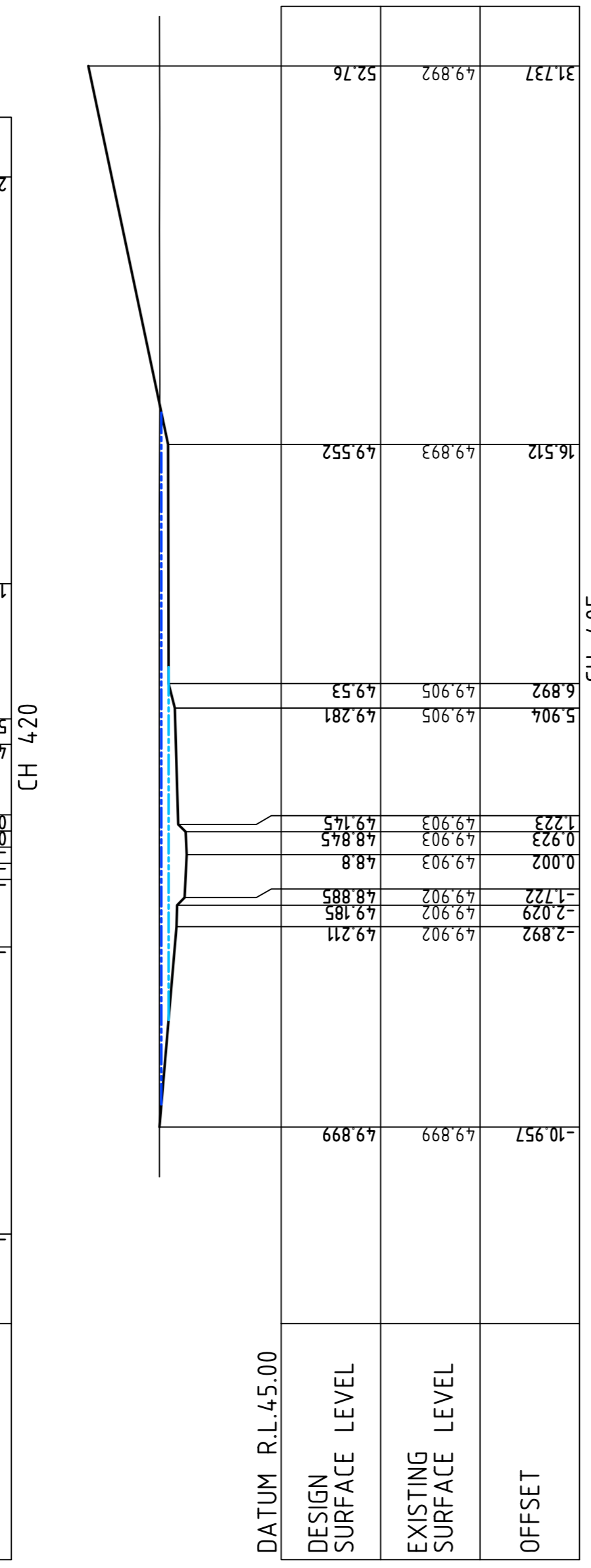
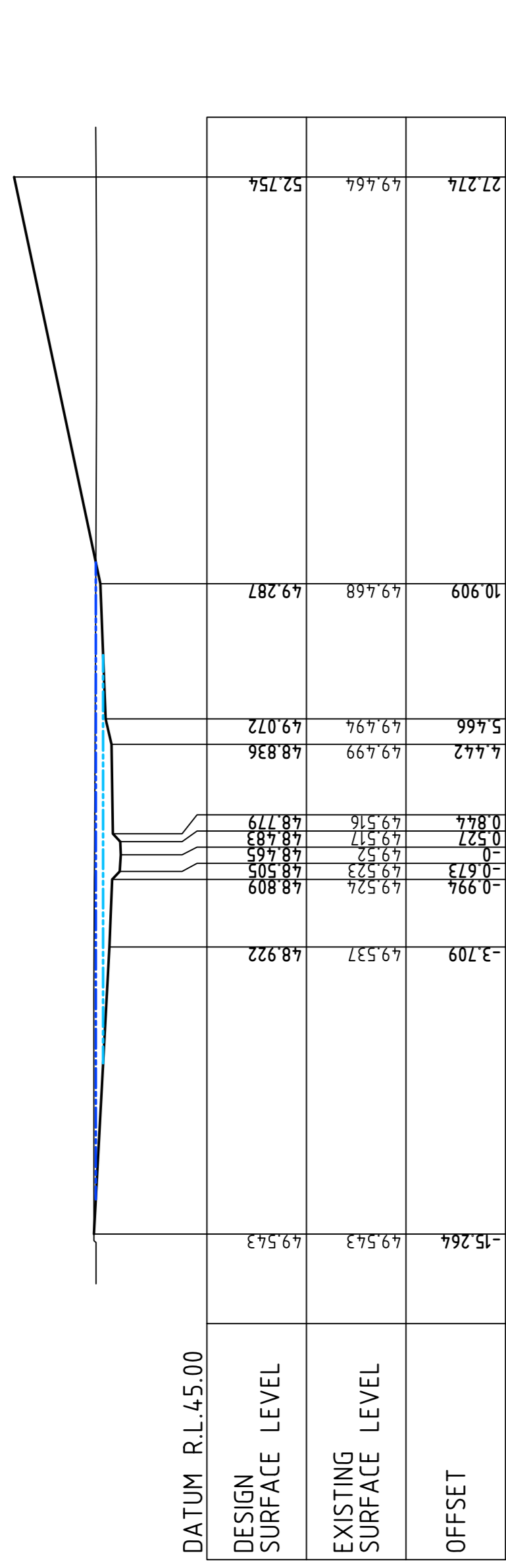
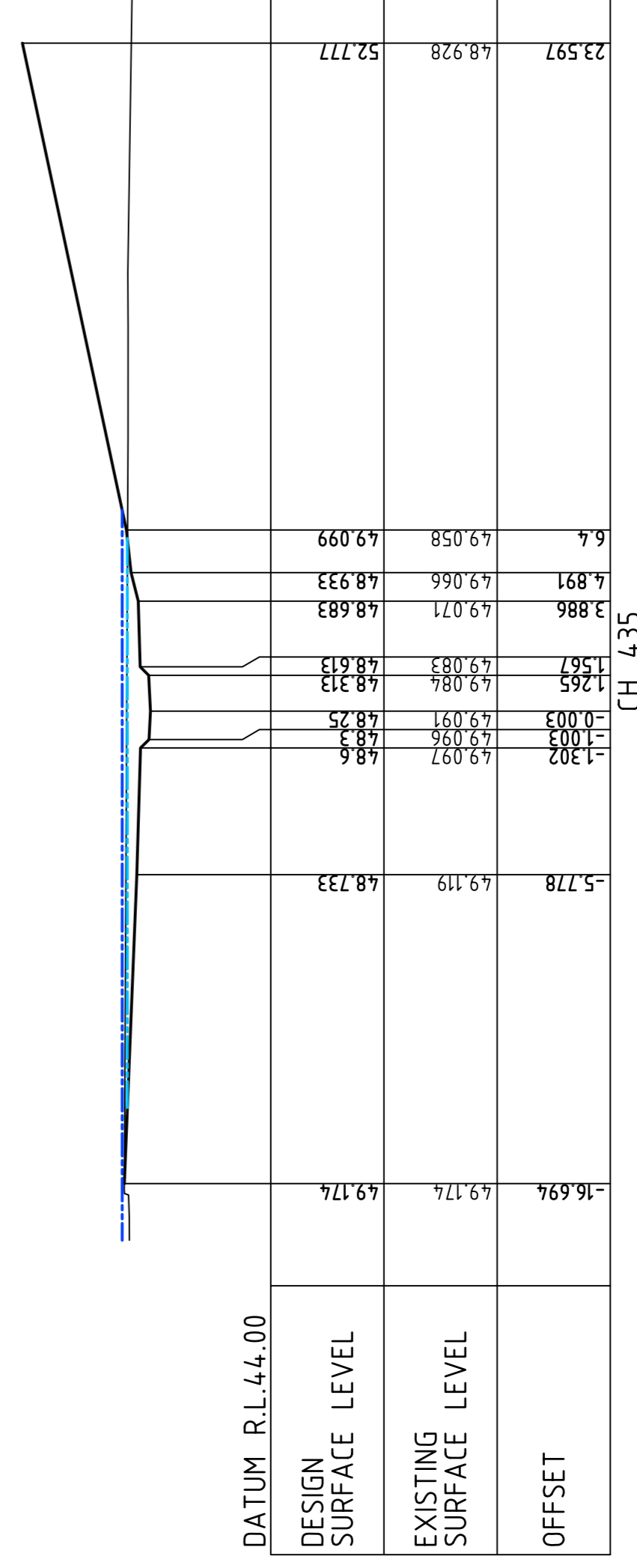
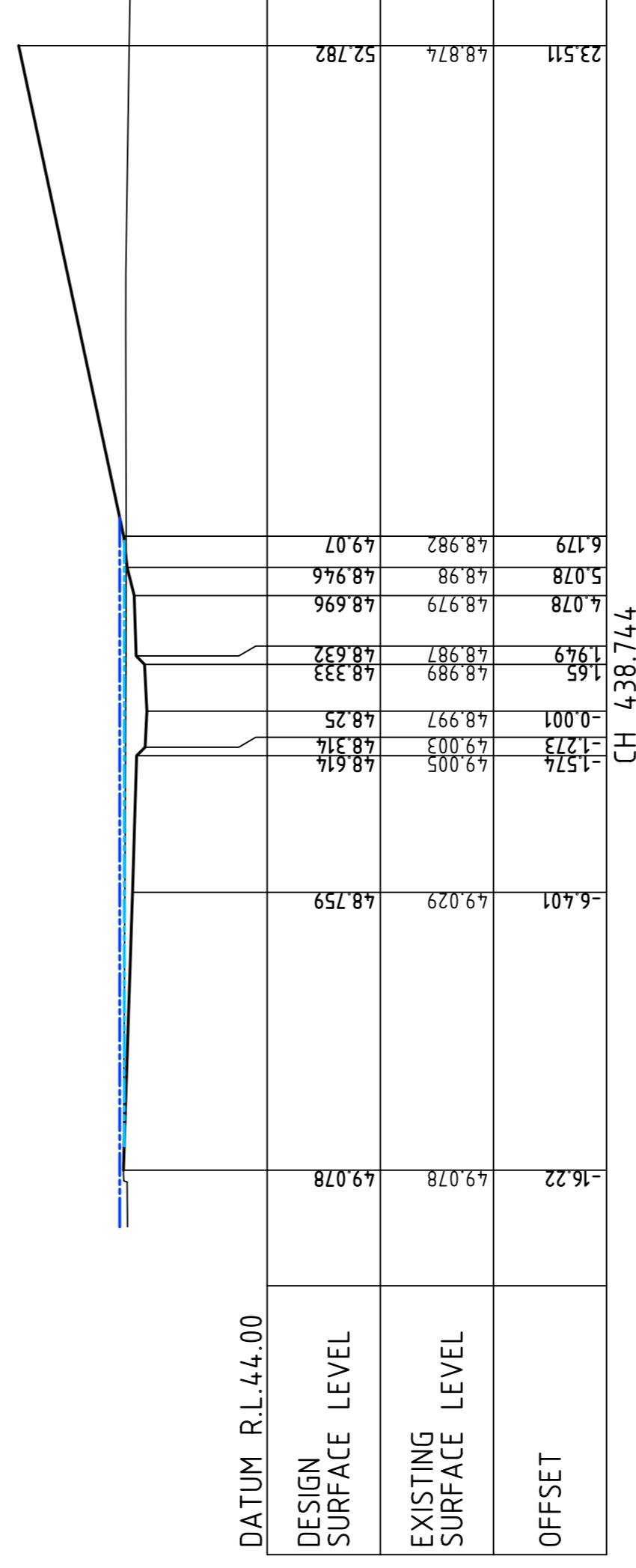
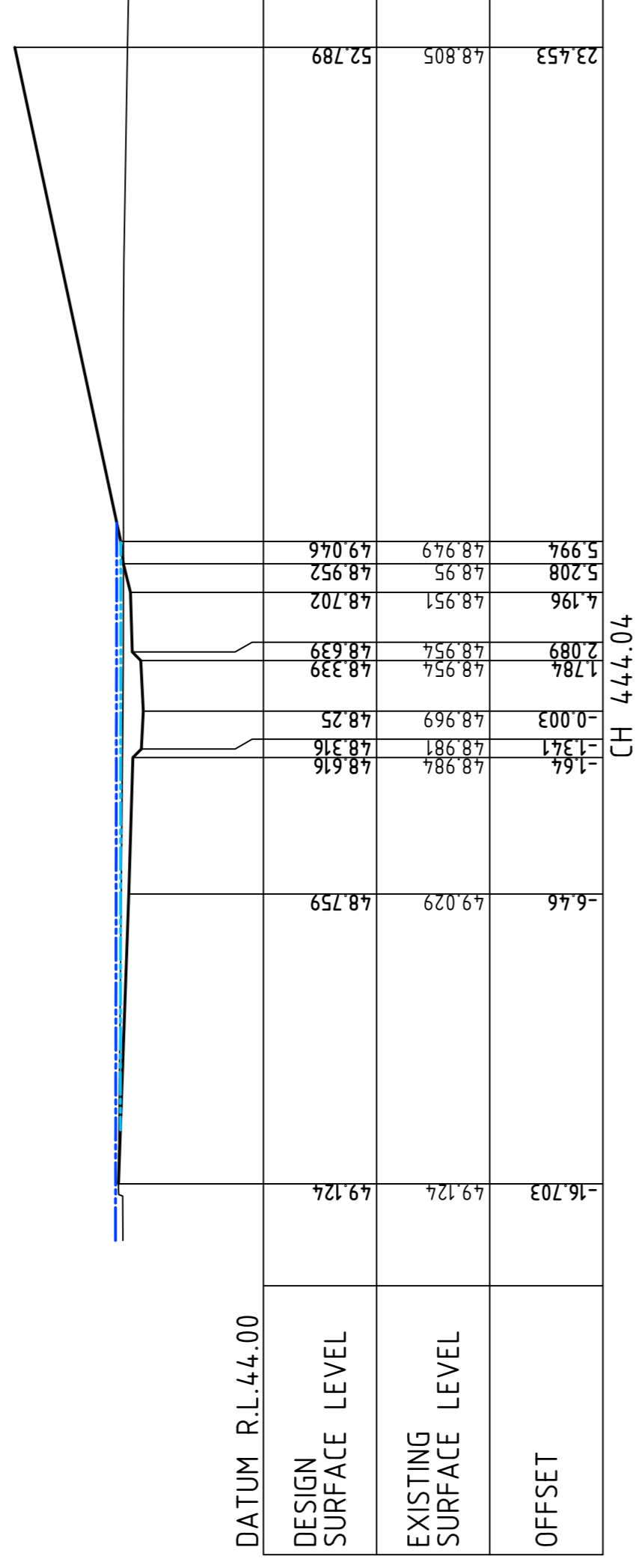
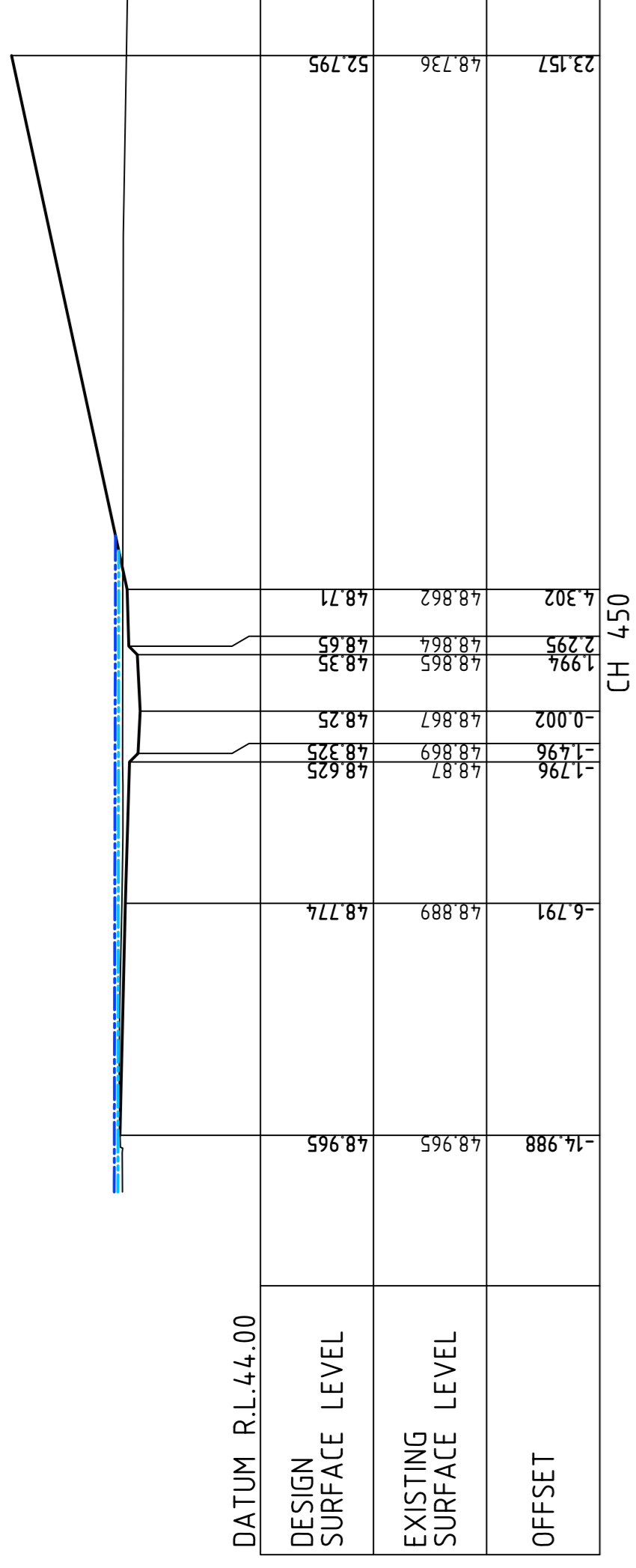
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03	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER	BY: VER
04	07/02/2006	REVISED DA SUBMISSION	BY: VER
05	14/03/2006	ADJUSTED OUTLET	BY: VER
06	14/03/2006	REVISED PAD LEVELS	BY: VER
07	02/06/2006	REVISED FOR COMMENTS	BY: VER

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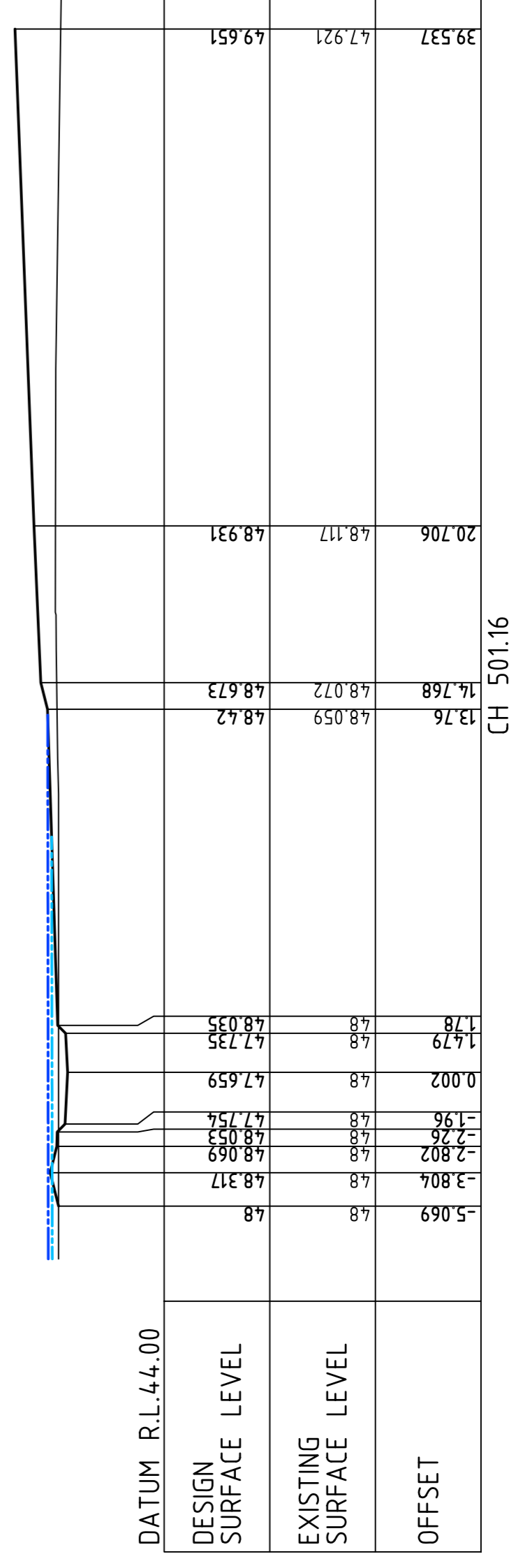
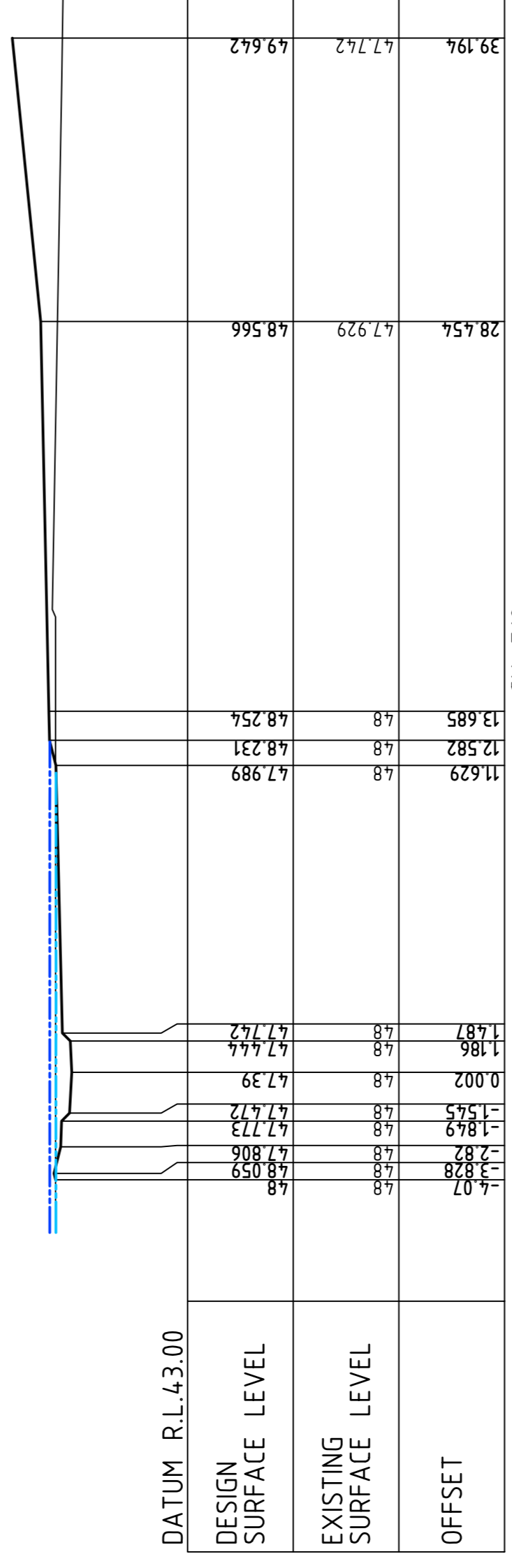
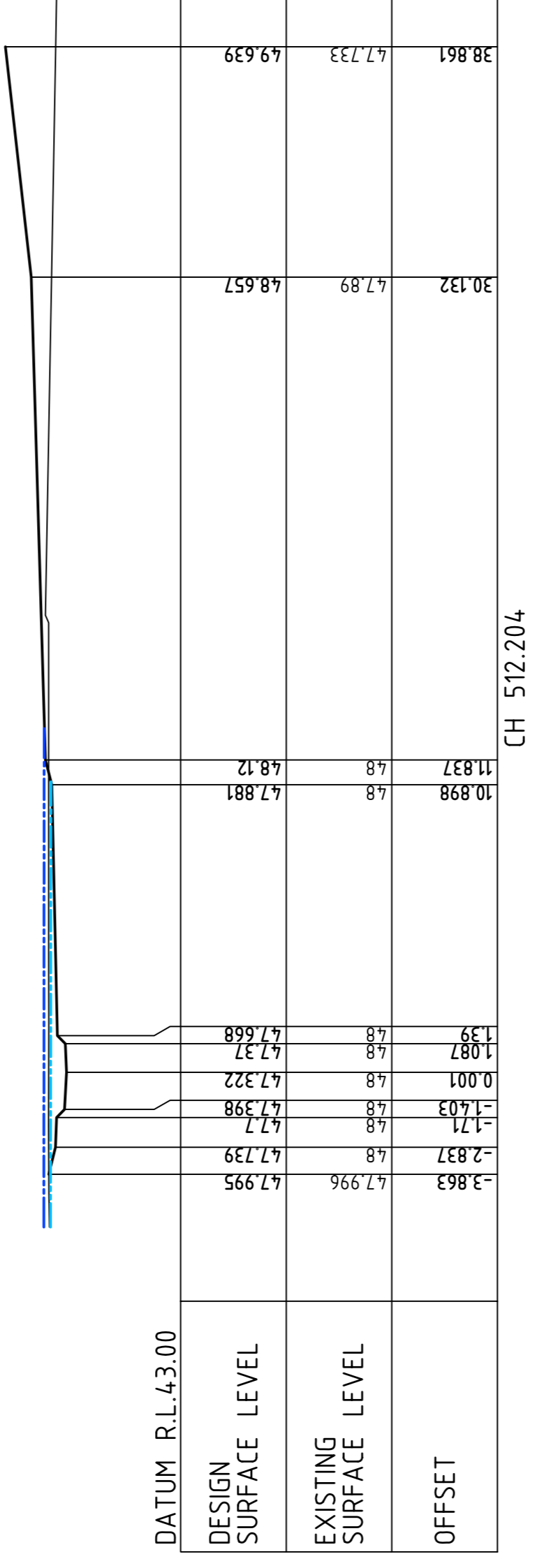
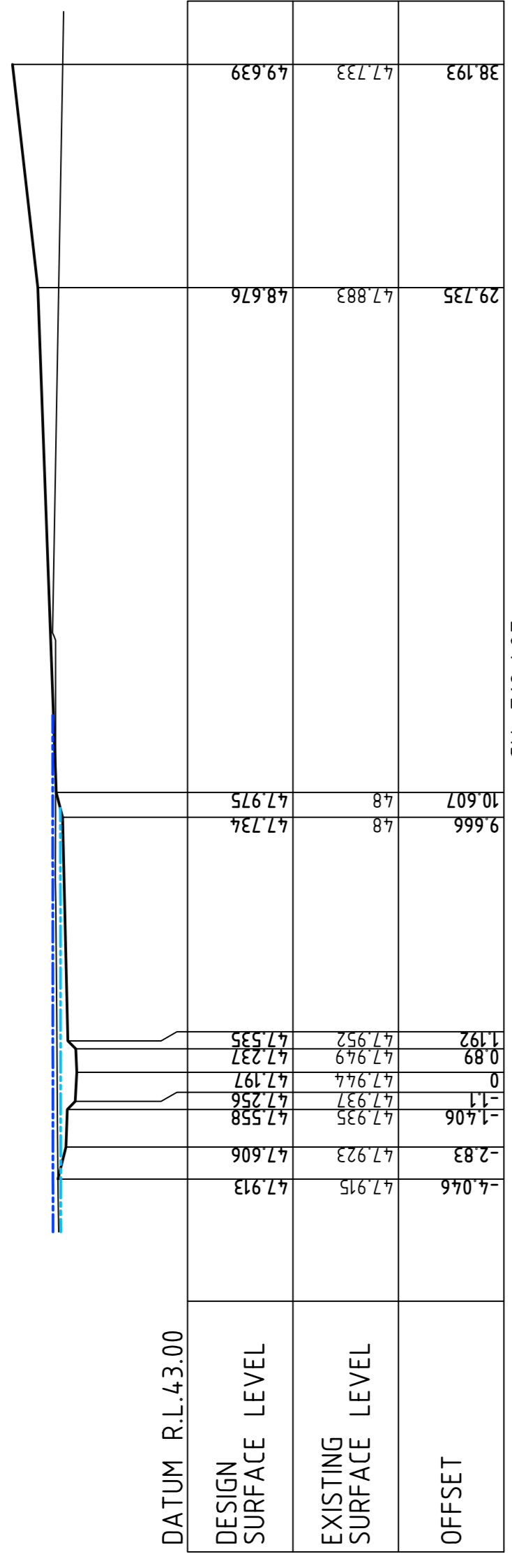
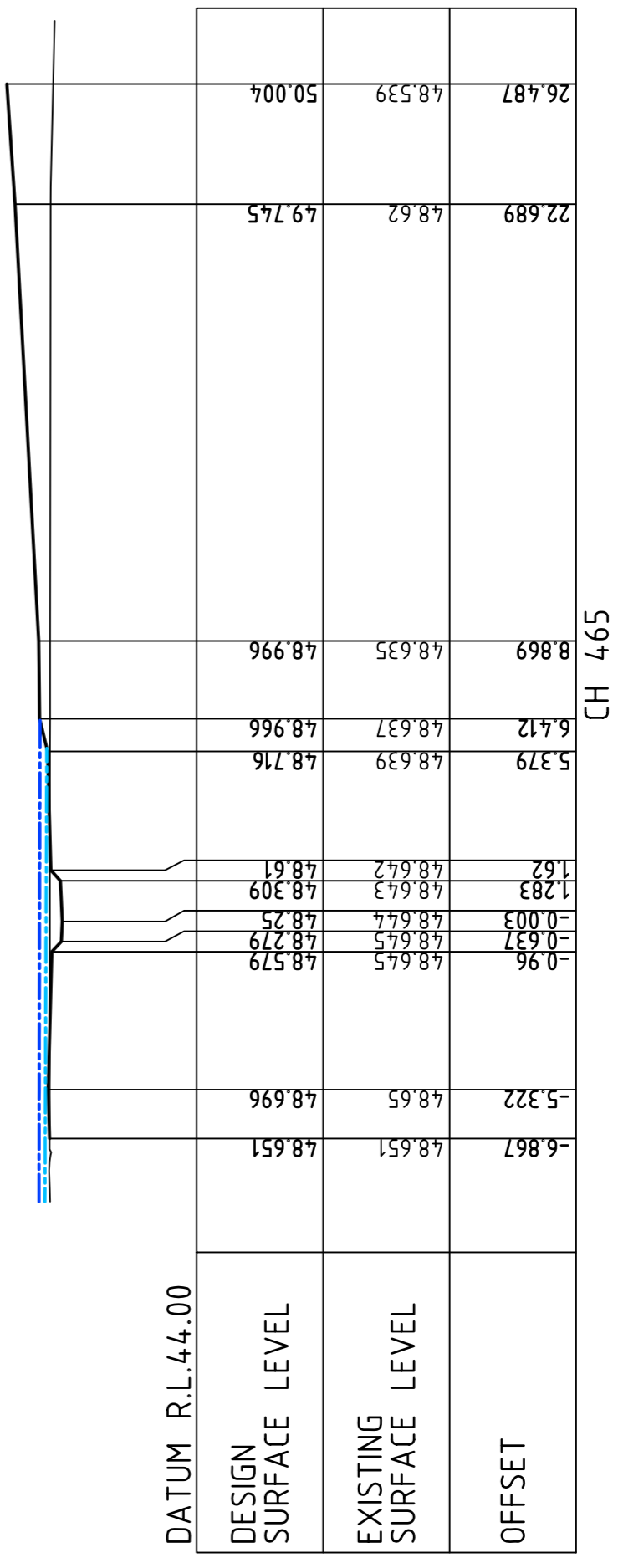
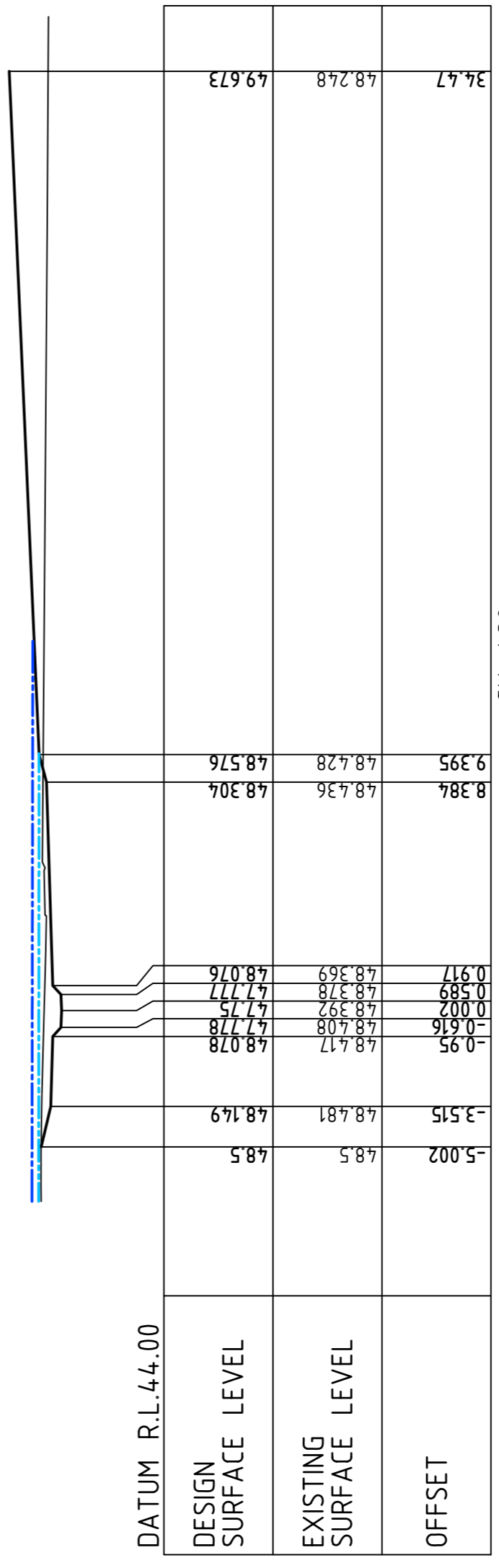
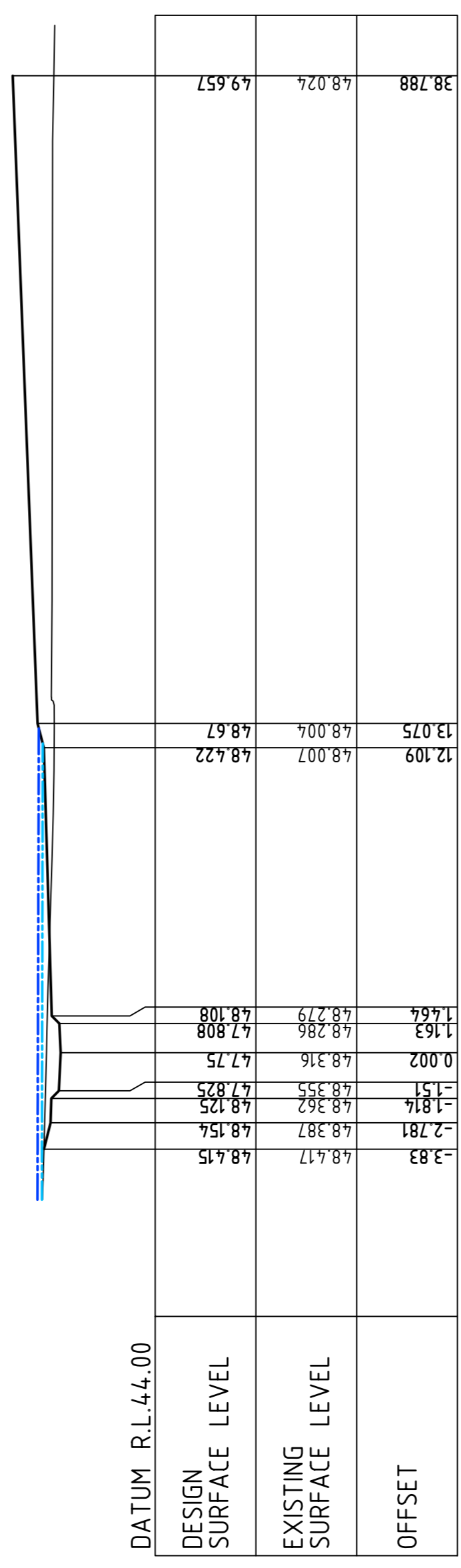
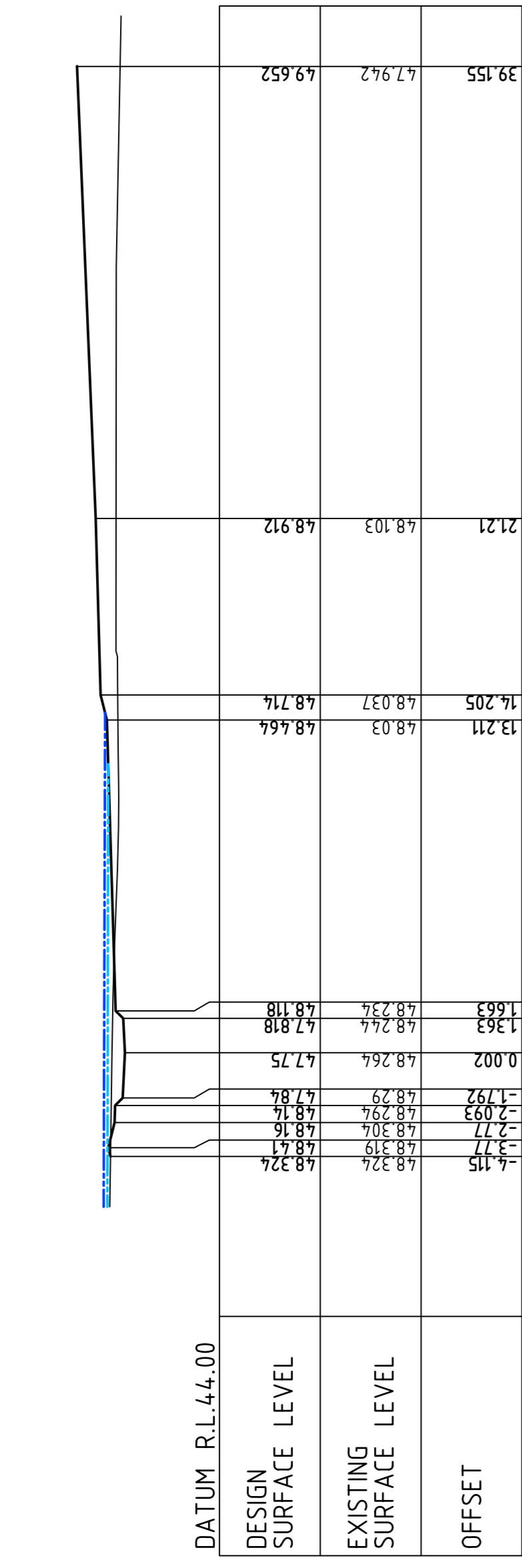
VERIFICATION	INITIALS	SIGNATURE	DATE
DRAFTING			
DESIGN			
VERIFY			
APPROVED			



LEGEND
 --- 100yr ARI WATER LEVEL
 --- 2yr ARI WATER LEVEL

PRELIMINARY

CSR LIMITED EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK		Client: CSR LIMITED Project: EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK	
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Project No: W03033.12 Drawing No: DA213		Drawn by: AK Design by: AR Scale: 1:200 Sheet: 13 OF 21	



LEGEND
 100Yr ARI WATER LEVEL
 2yr ARI WATER LEVEL

PRELIMINARY

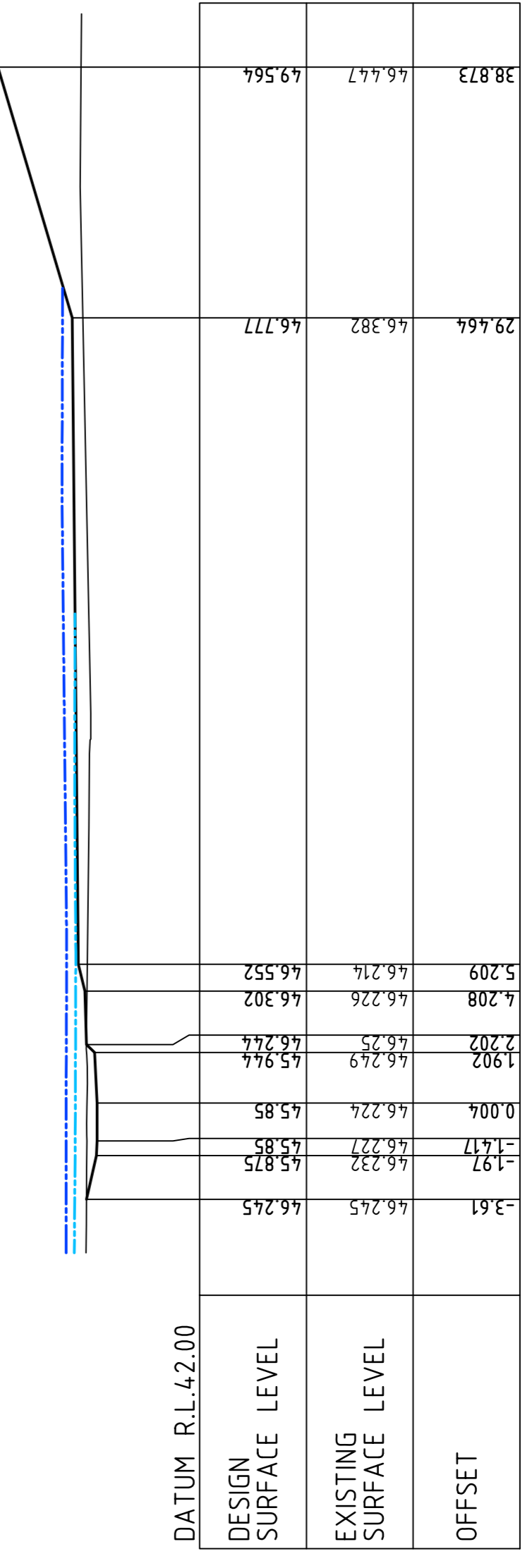
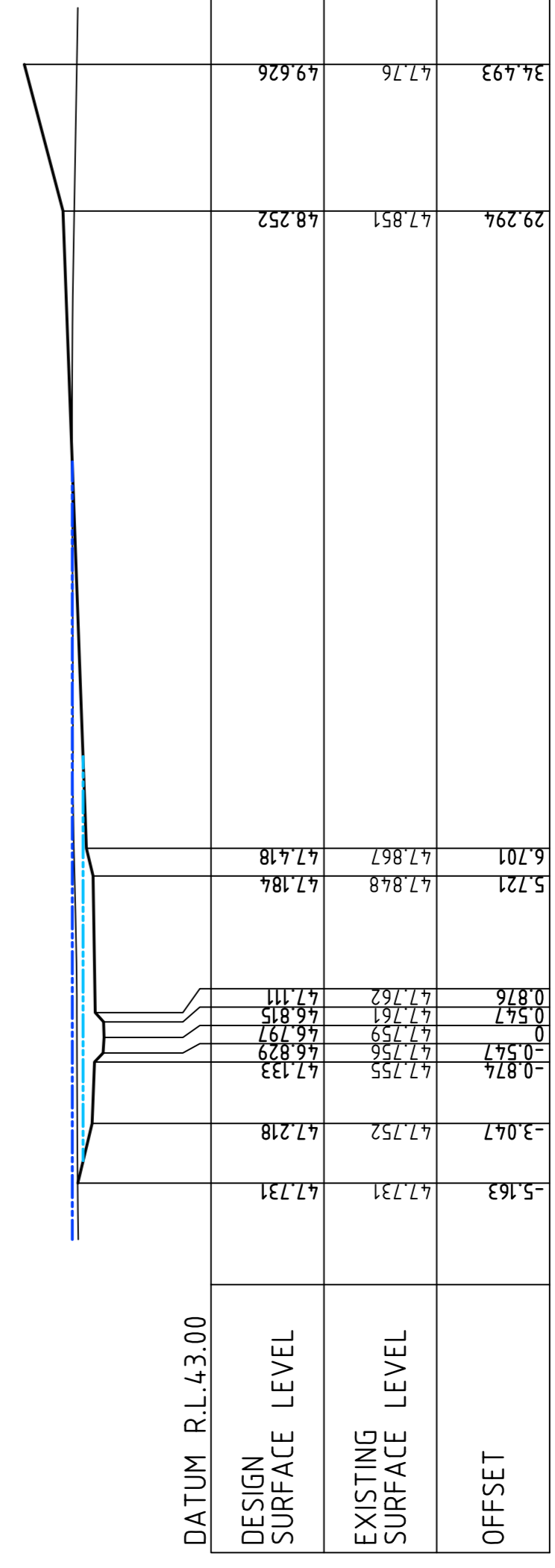
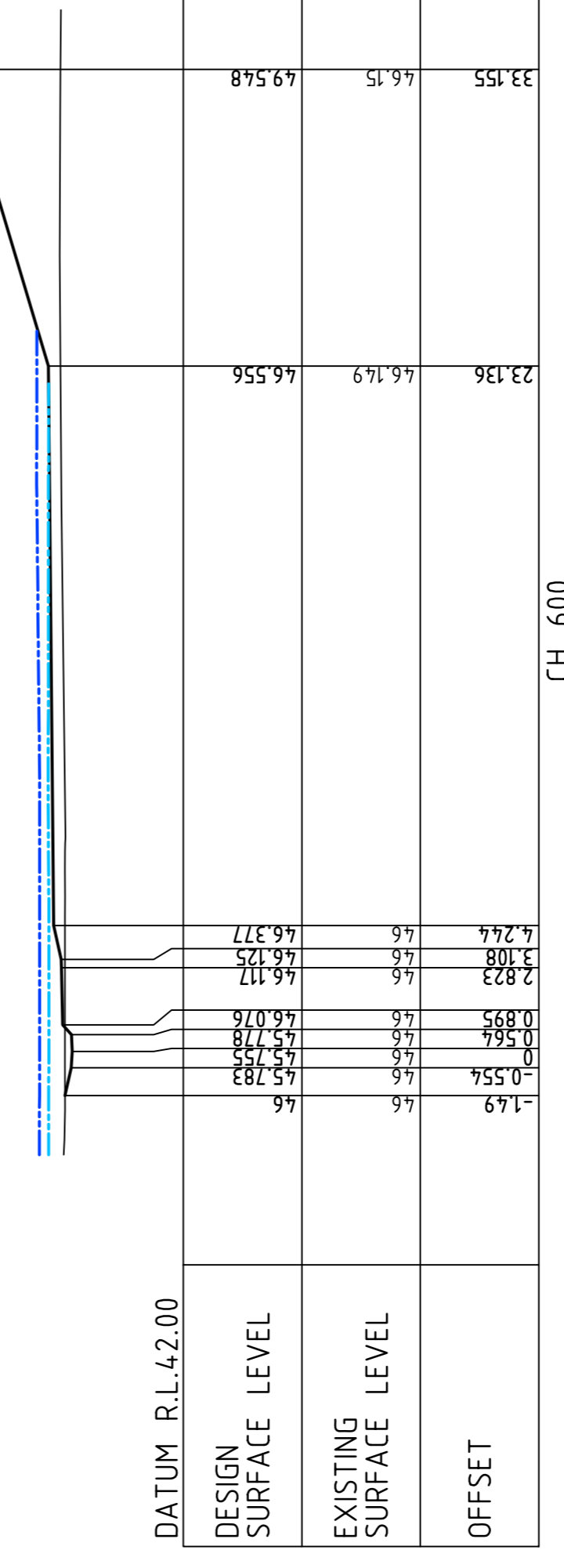
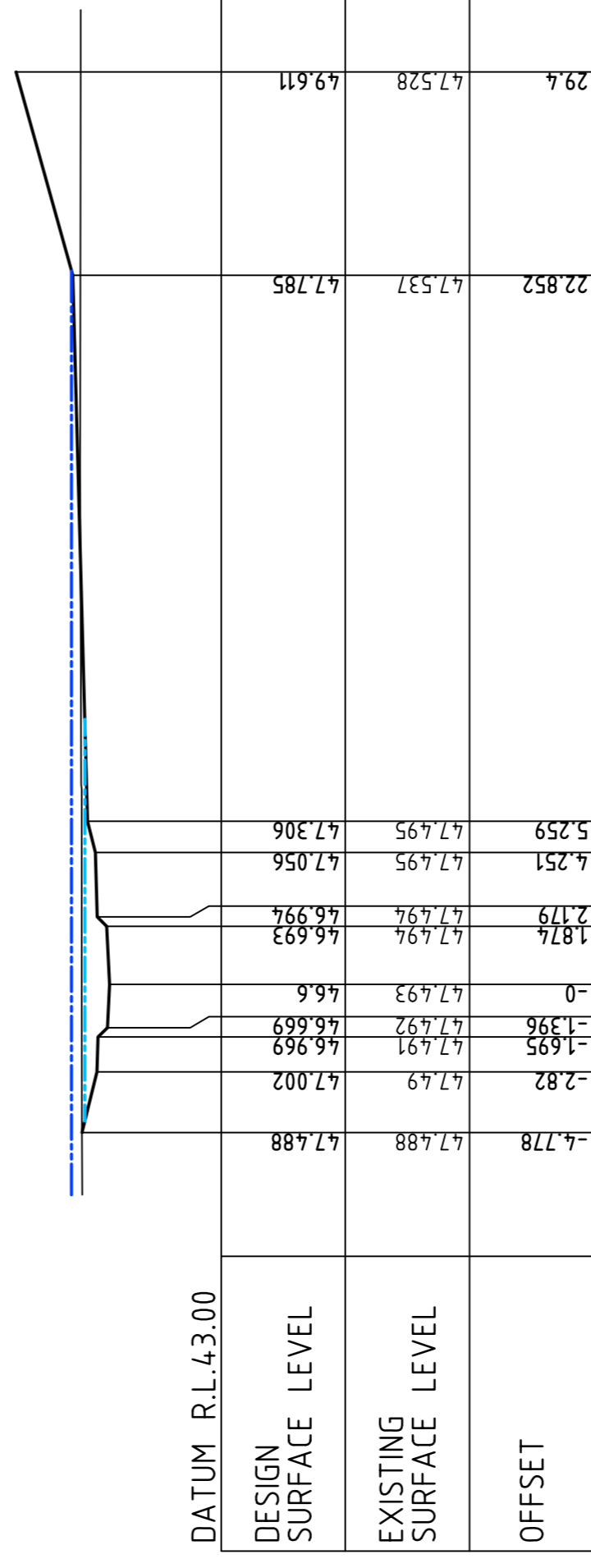
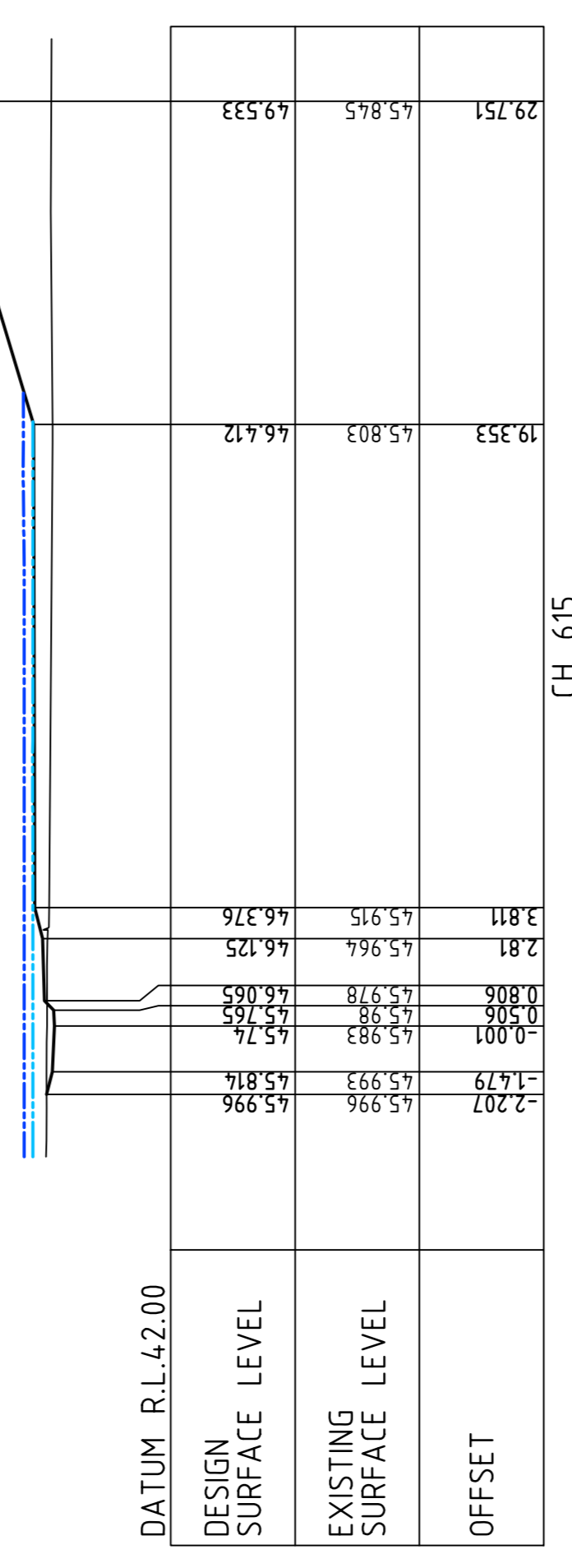
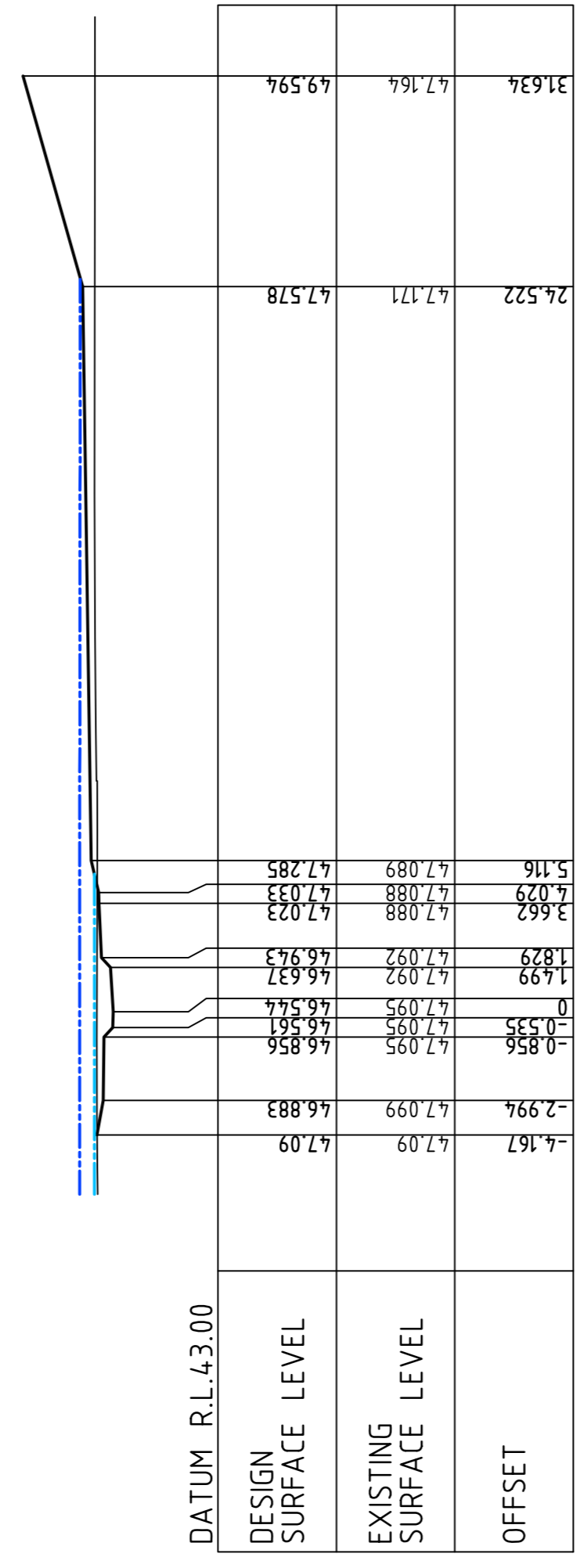
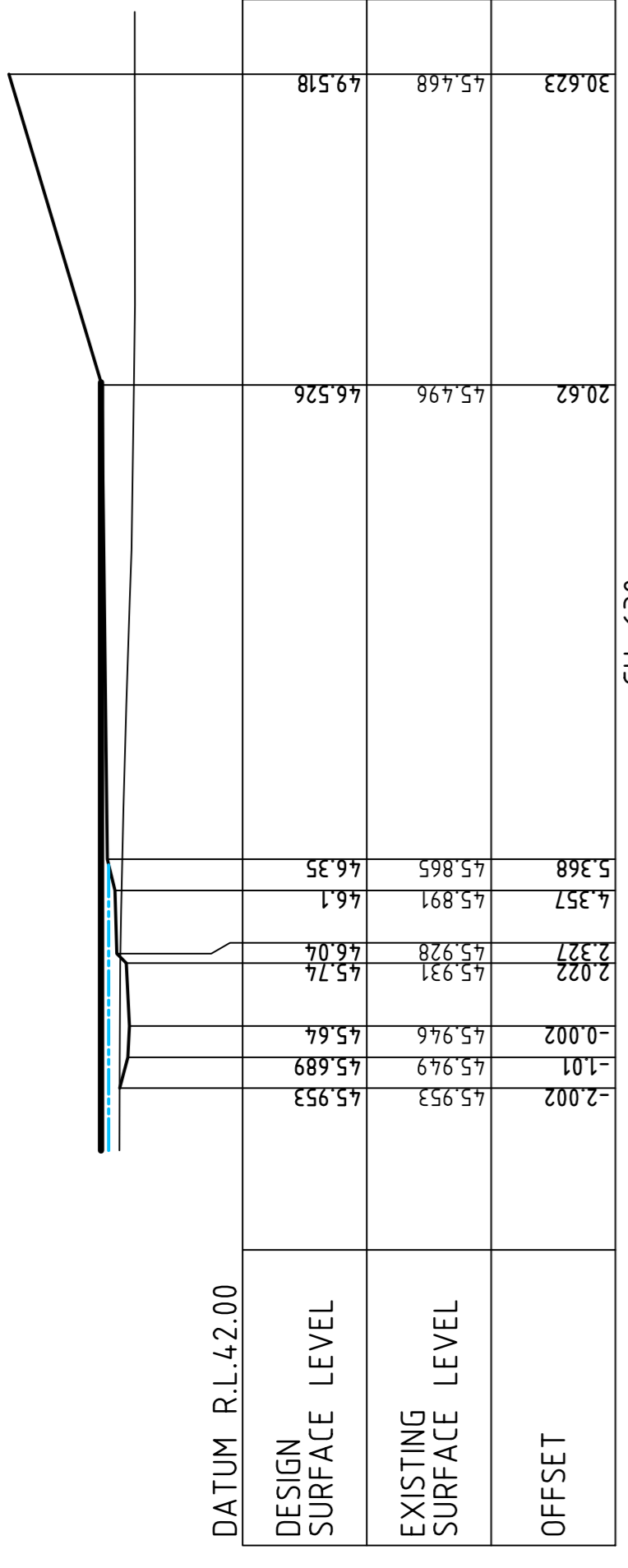
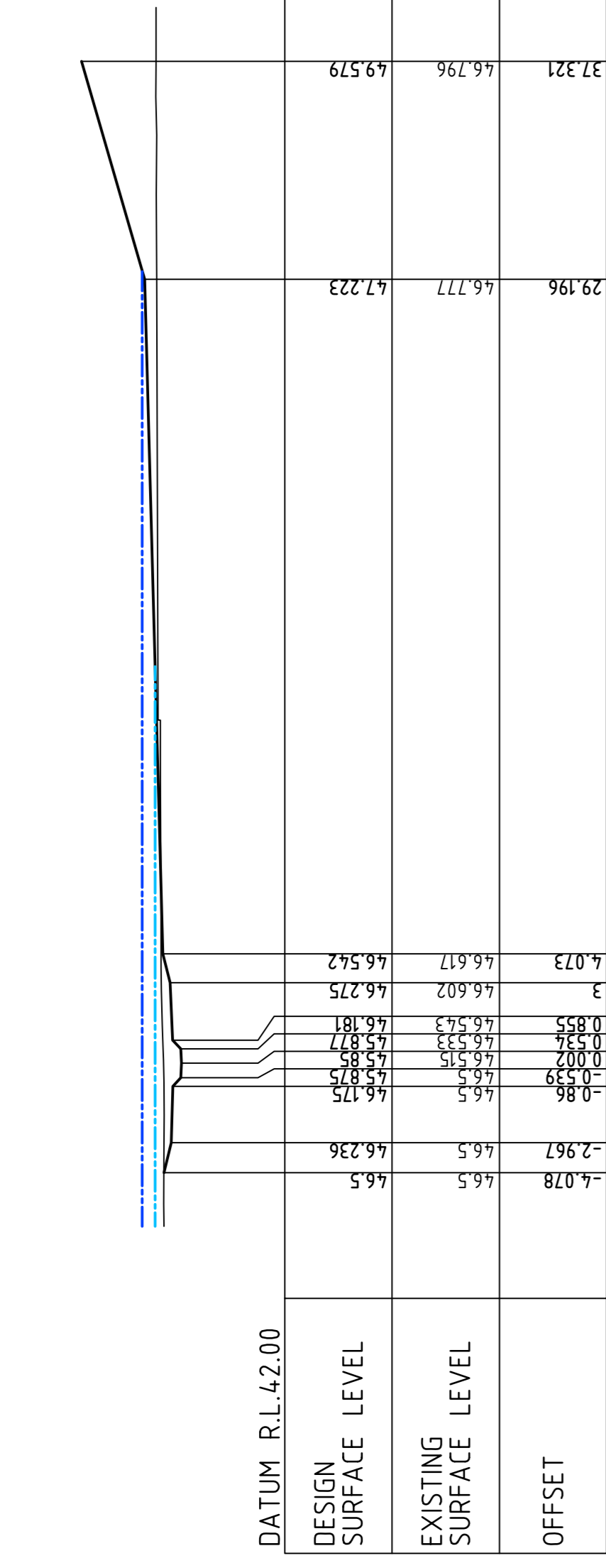
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06	14/03/2005	ADJUSTED OUTLET	APP	VER	APP
05	07/12/2003	REVISED DA SUBMISSION	APP	VER	APP
04	08/11/2003	REVISED LAYOUT WITH AVERAGE 30m BUFFER	APP	VER	APP
03	08/11/2003	REVISED LAYOUT WITH AVERAGE 30m BUFFER	APP	VER	APP
02	02/09/2005	ISSUE FOR DA APPROVAL	APP	VER	APP
01	01/09/2005	ISSUE FOR COMMENTS	APP	VER	APP

Description: AMENDMENTS
 Client: CSR LIMITED
 Project: EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK
 Drawing No: DA214
 Rev: 07
 Sheet: 14 OF 21
 Scale: 1:200
 Project No: W03003.12
 Design by: AR
 Drawn by: AK

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 Client: CSR LIMITED
 Project: EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK
 Drawing: CH 465.00 TO CH 512.405



LEGEND
 --- 100yr ARI WATER LEVEL
 --- 2yr ARI WATER LEVEL

PRELIMINARY

07	15 OF 21	Drawn by: Ak	Sheet:
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03			Rev: 07

CSR LIMITED	Client:
EASTERN SITE WORKS SUBDIVISION	Project:
SOUTHERN CREEK	Project:

REV	DATE	DESCRIPTION	BY	L	APP
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02	02/09/2005	ISSUE FOR DA APPROVAL			
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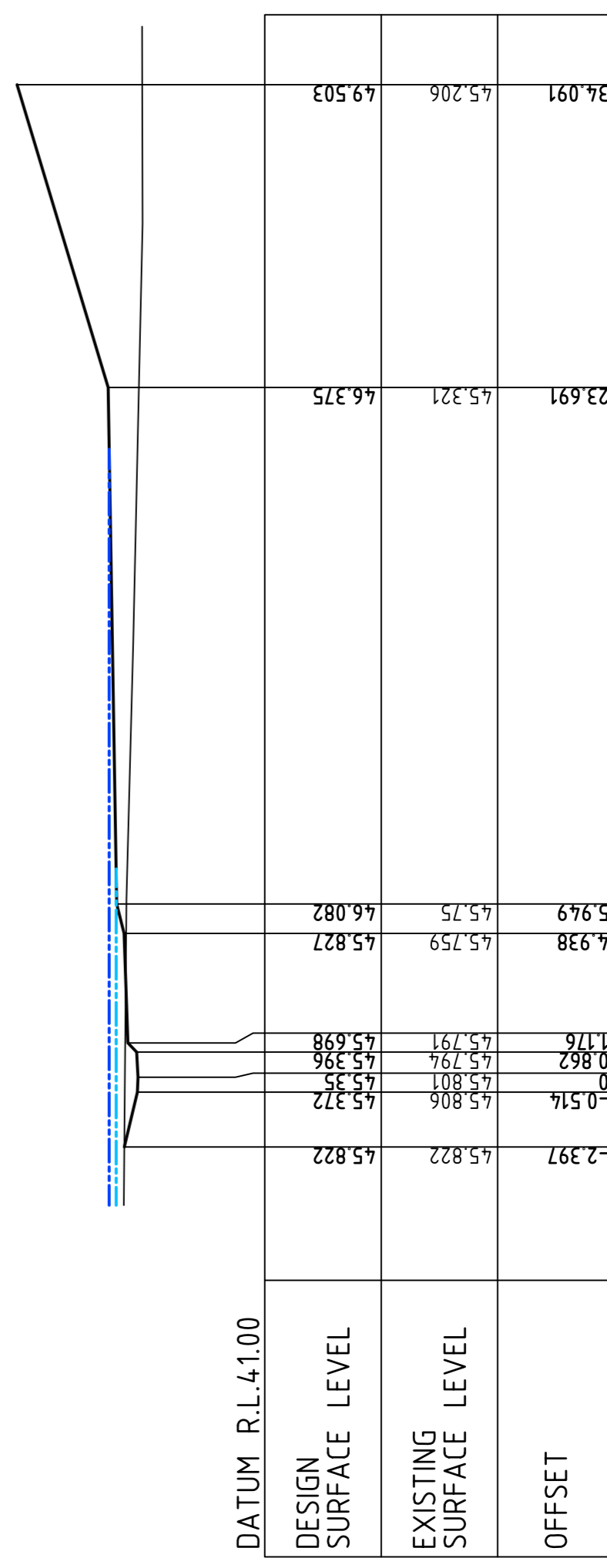
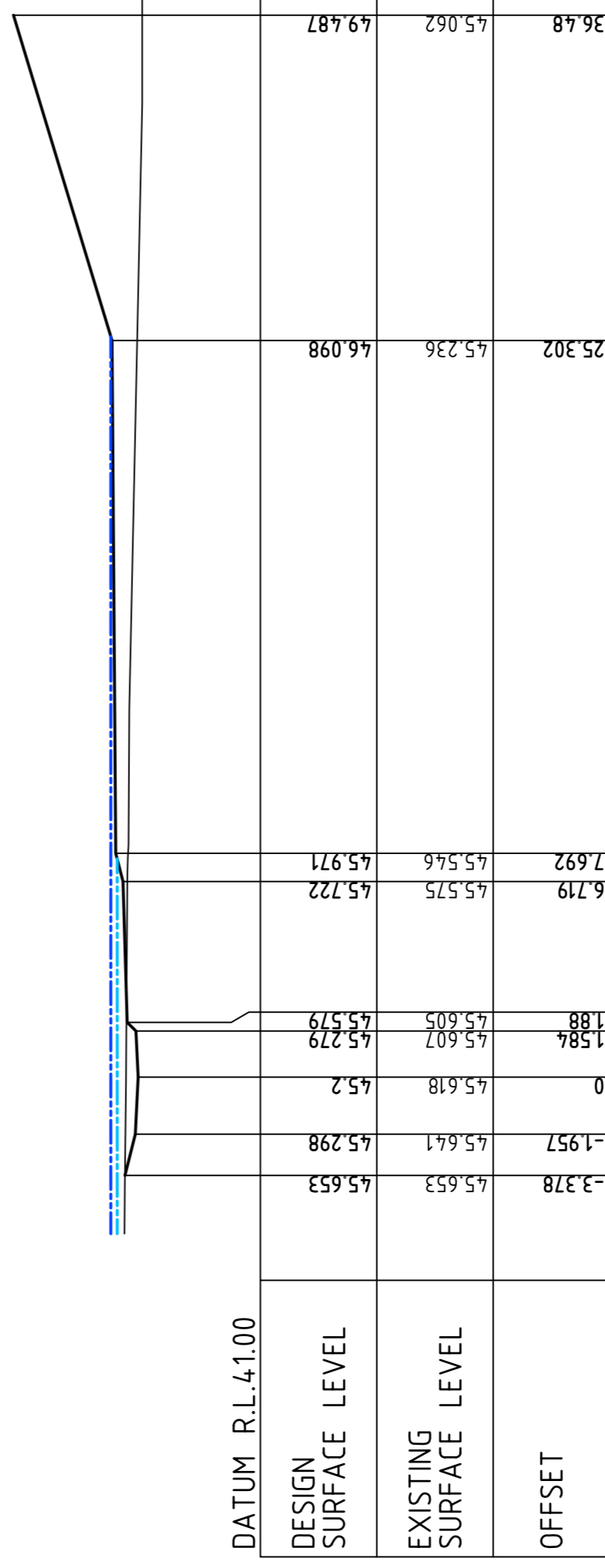
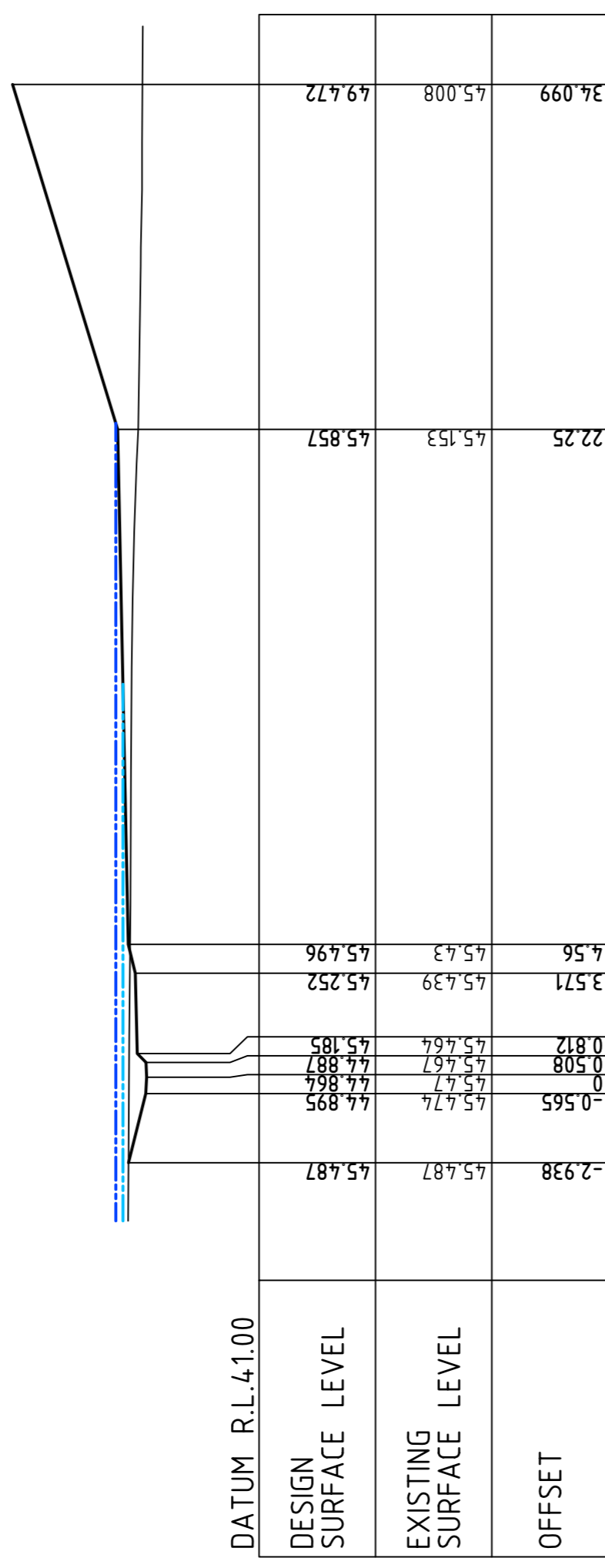
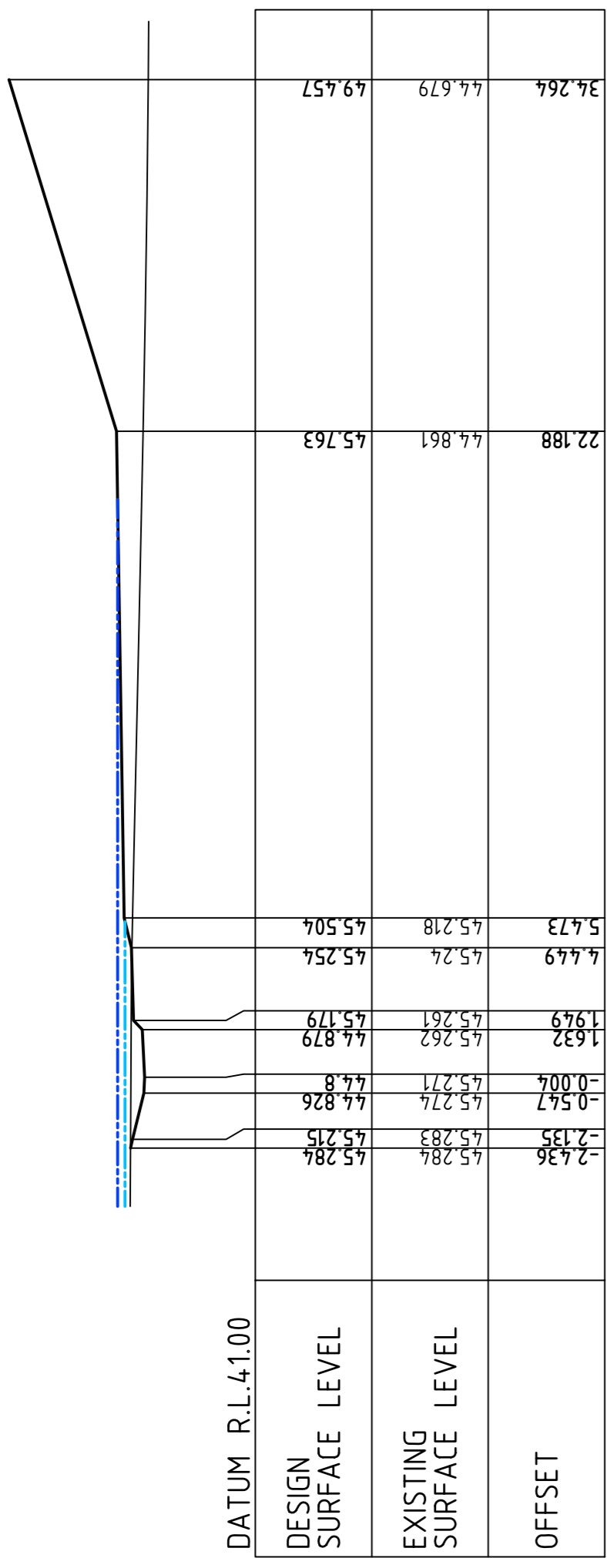
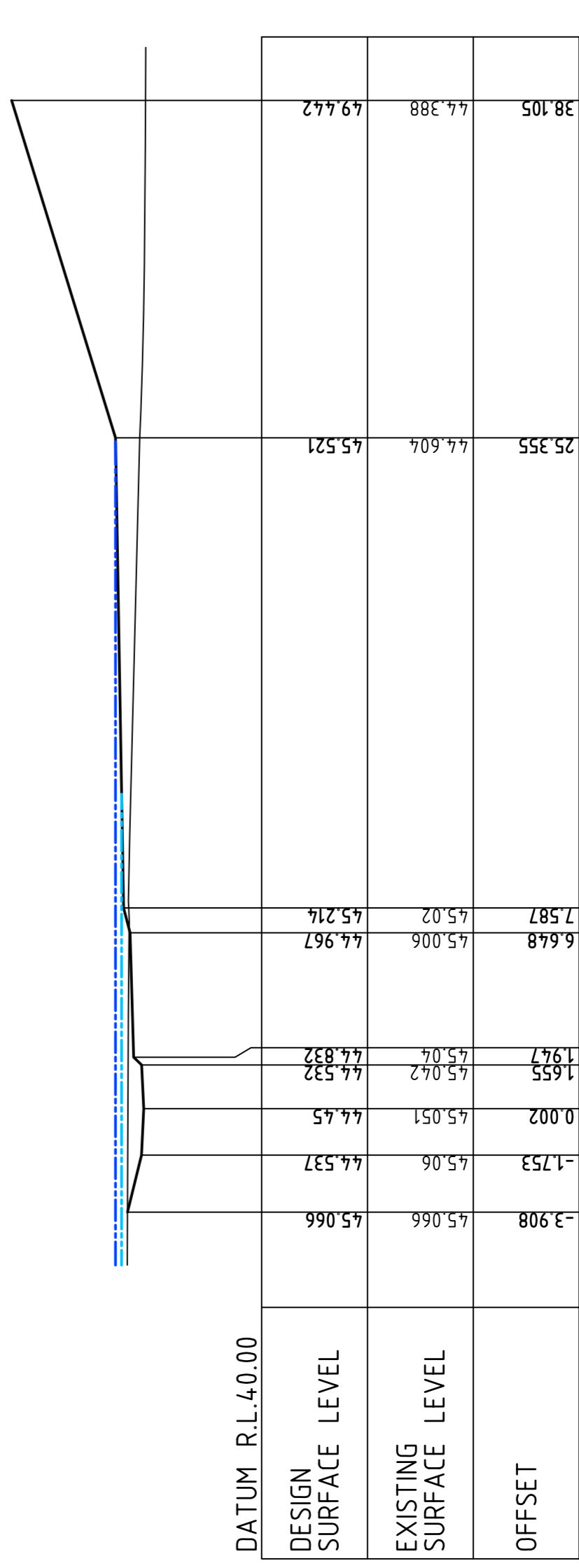
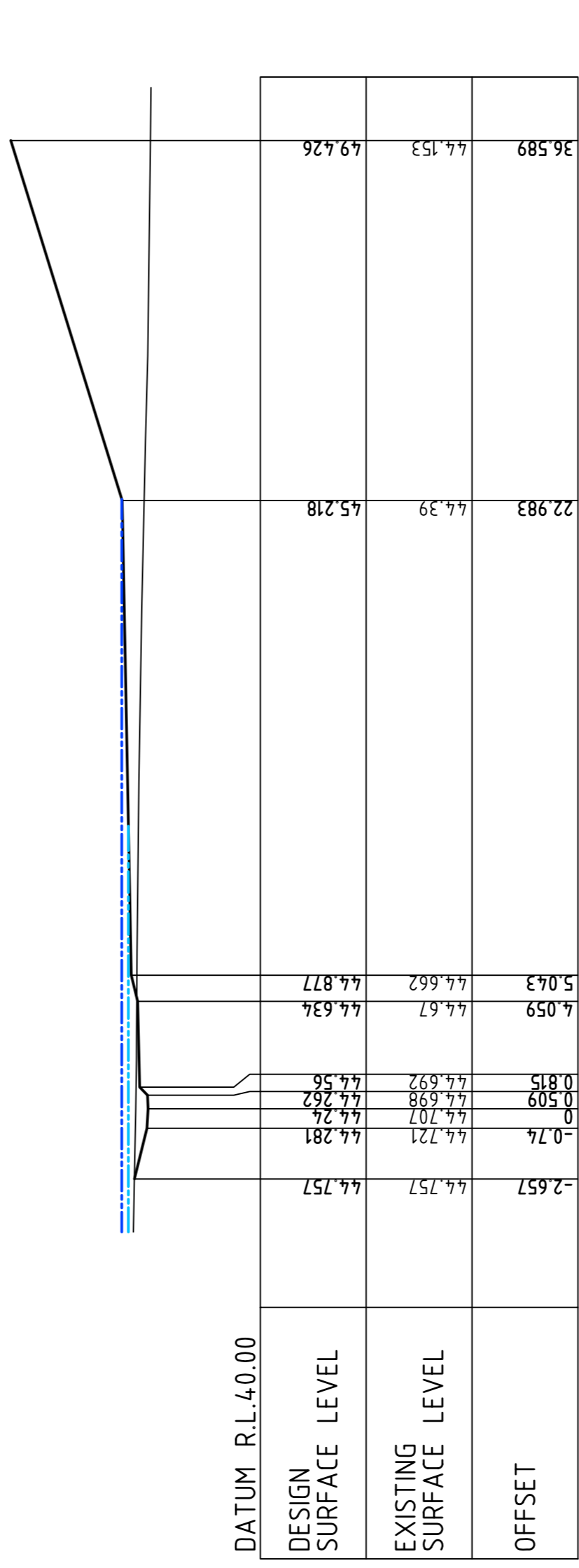
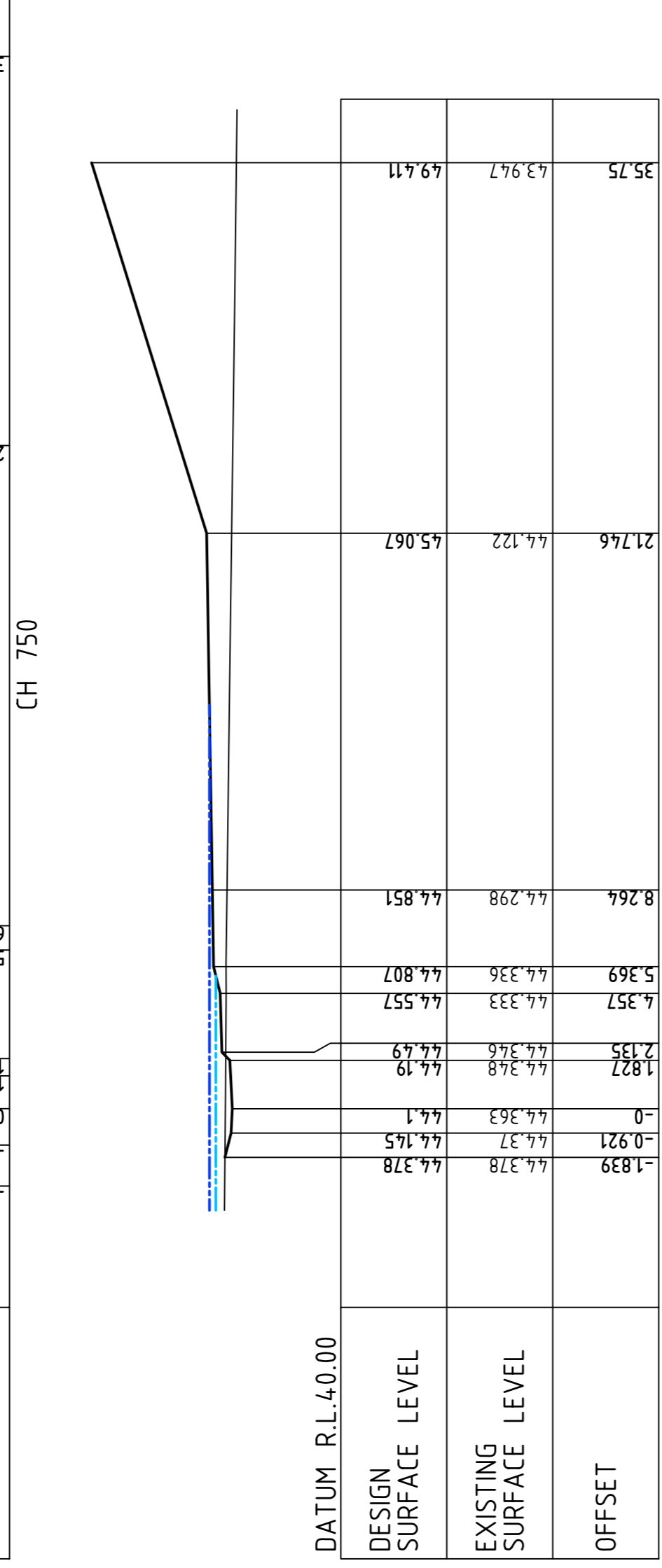
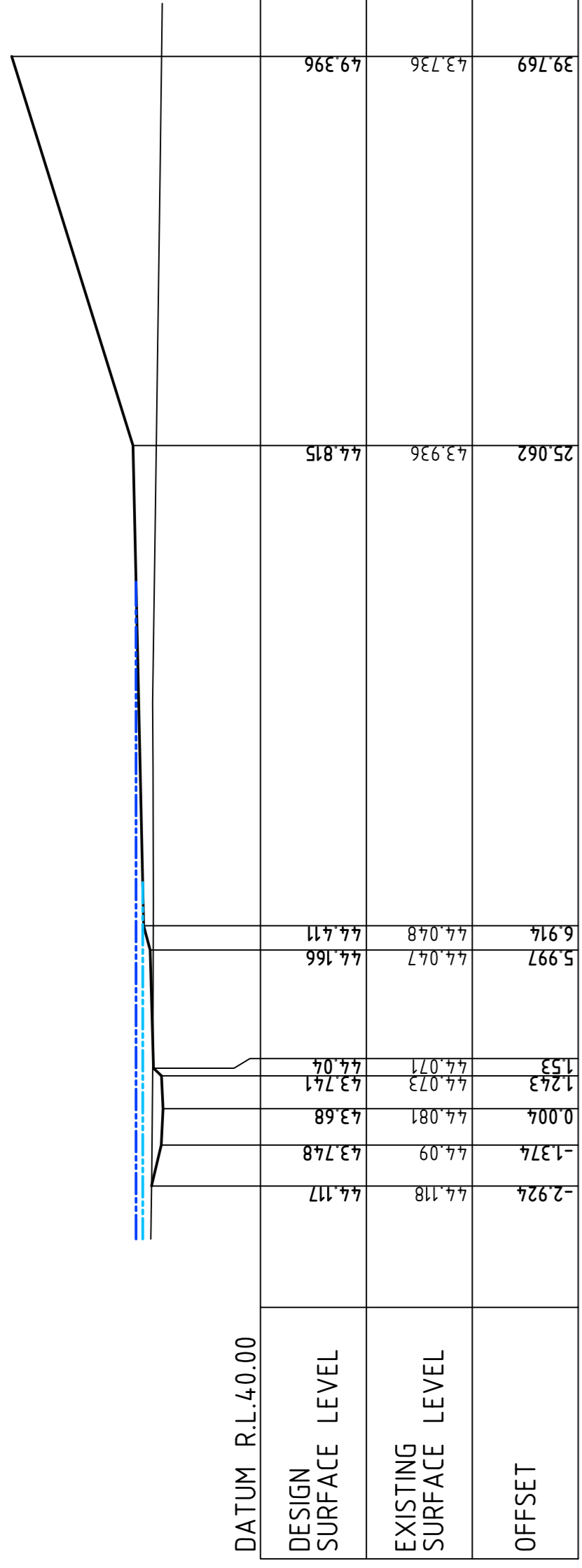
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 150 Mount St
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 QLD 4000

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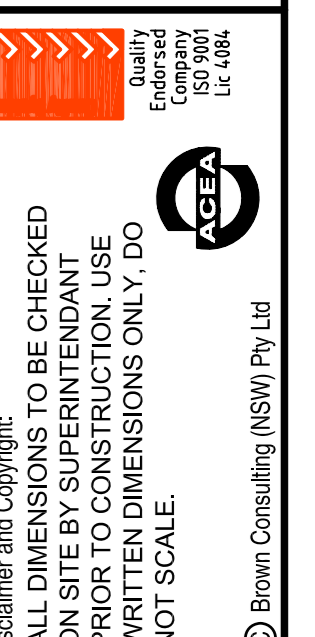
Brown Consulting (NSW) Pty Ltd
 Client:
 CSR LIMITED
 Project:
 EASTERN SITE WORKS SUBDIVISION
 SOUTHERN CREEK



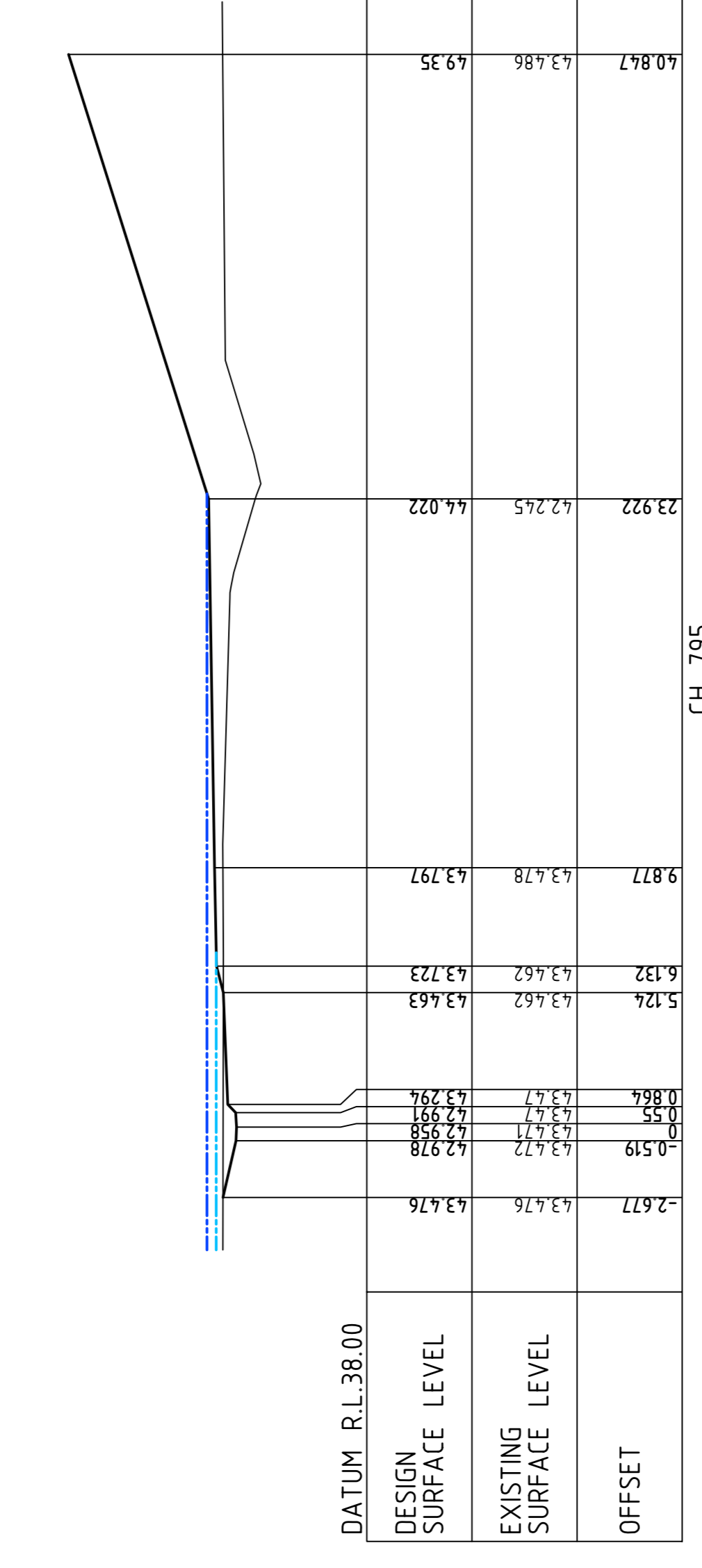
LEGEND
 100yr ARI WATER LEVEL
 2yr ARI WATER LEVEL

PRELIMINARY

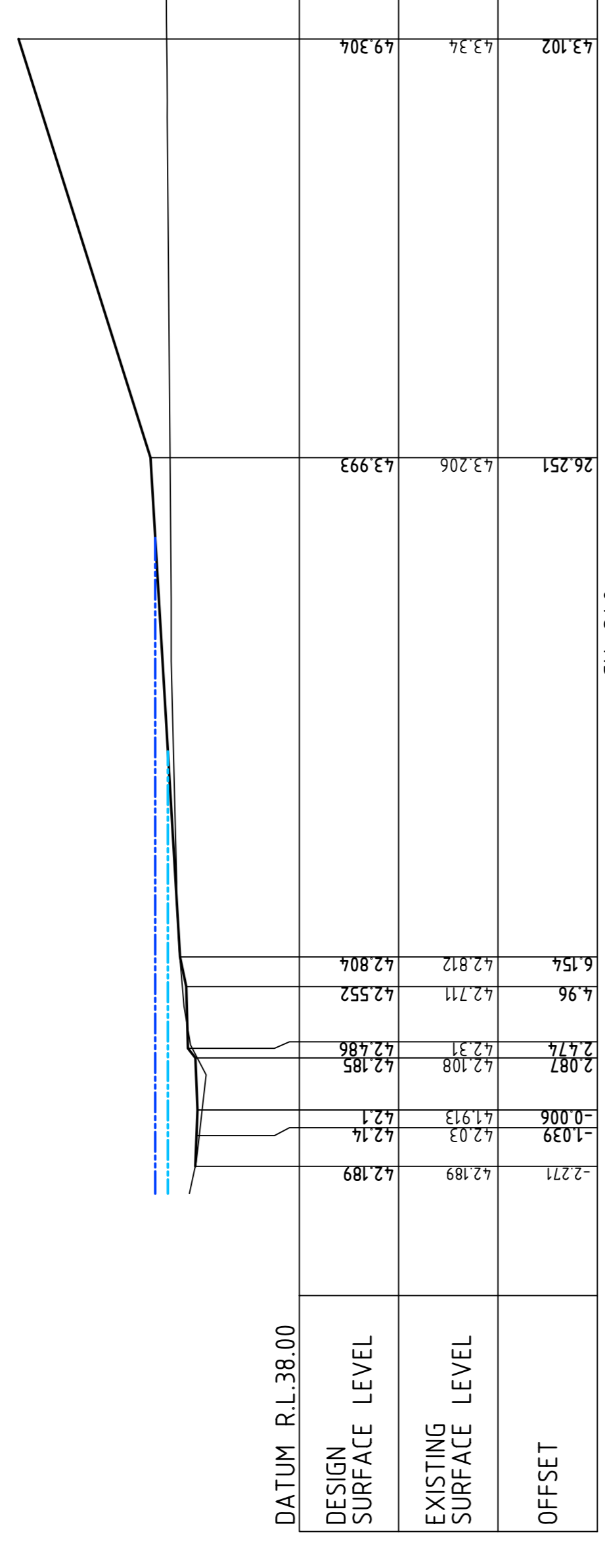
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Brown Consulting (NSW) Pty Ltd Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113 Telephone: 02 9900 1000 Facsimile: 02 9900 1099		Sheet: 18 OF 21 Scale: 1:200	
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Verification: CS Signature: [Signature] Date: [Date]		Verification: CS Signature: [Signature] Date: [Date]	
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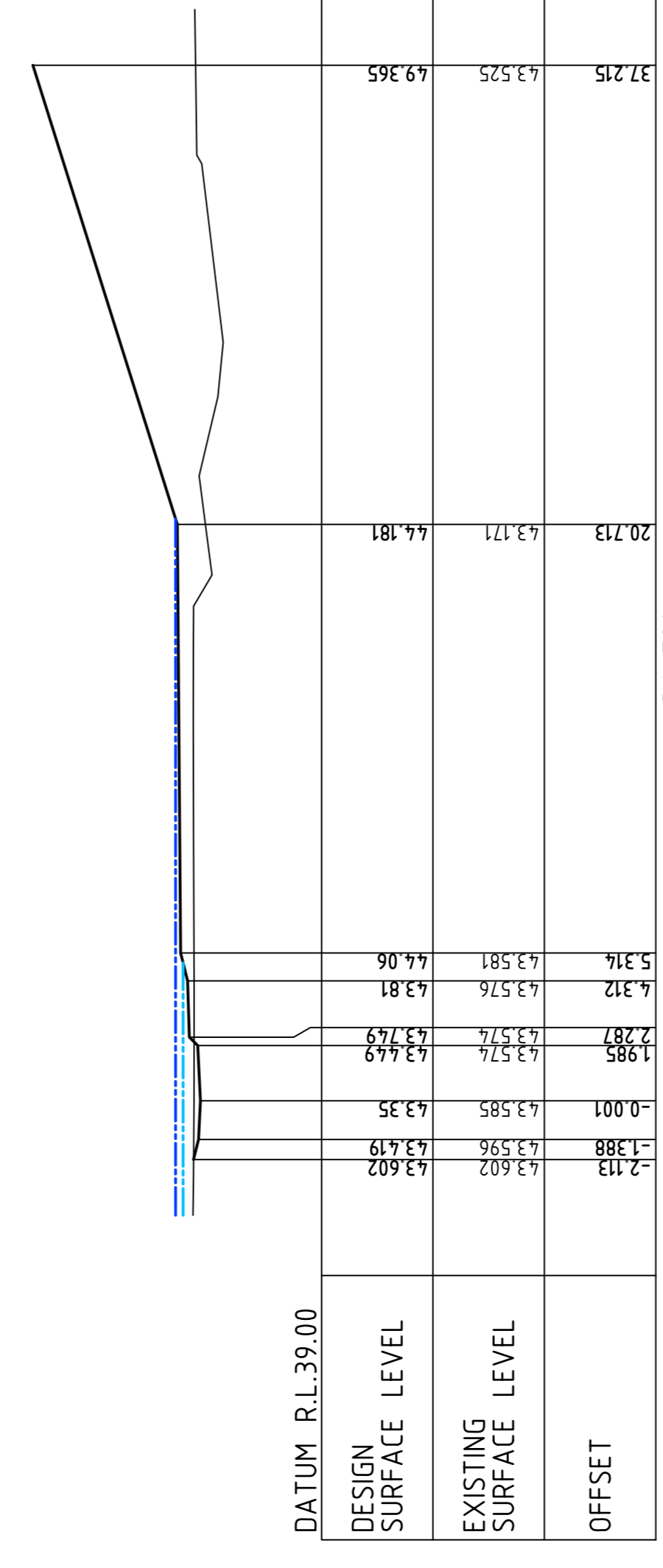
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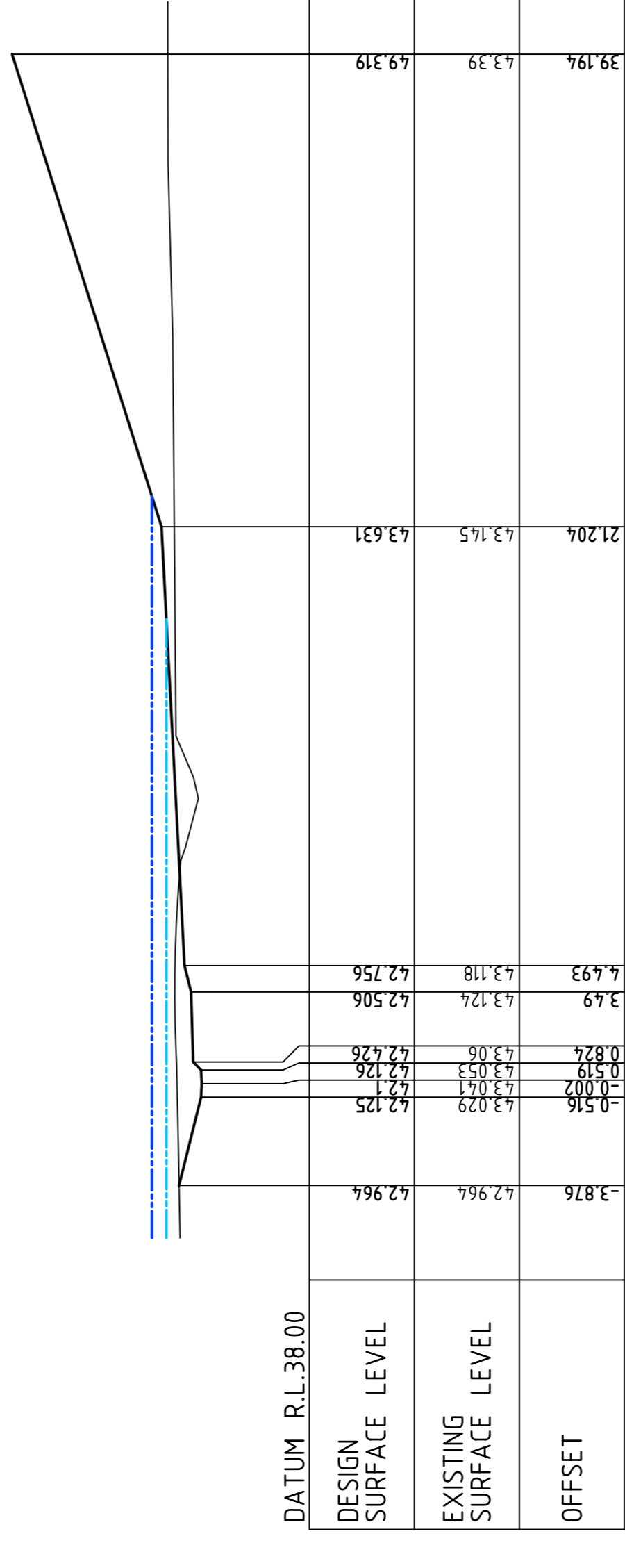
CH 795



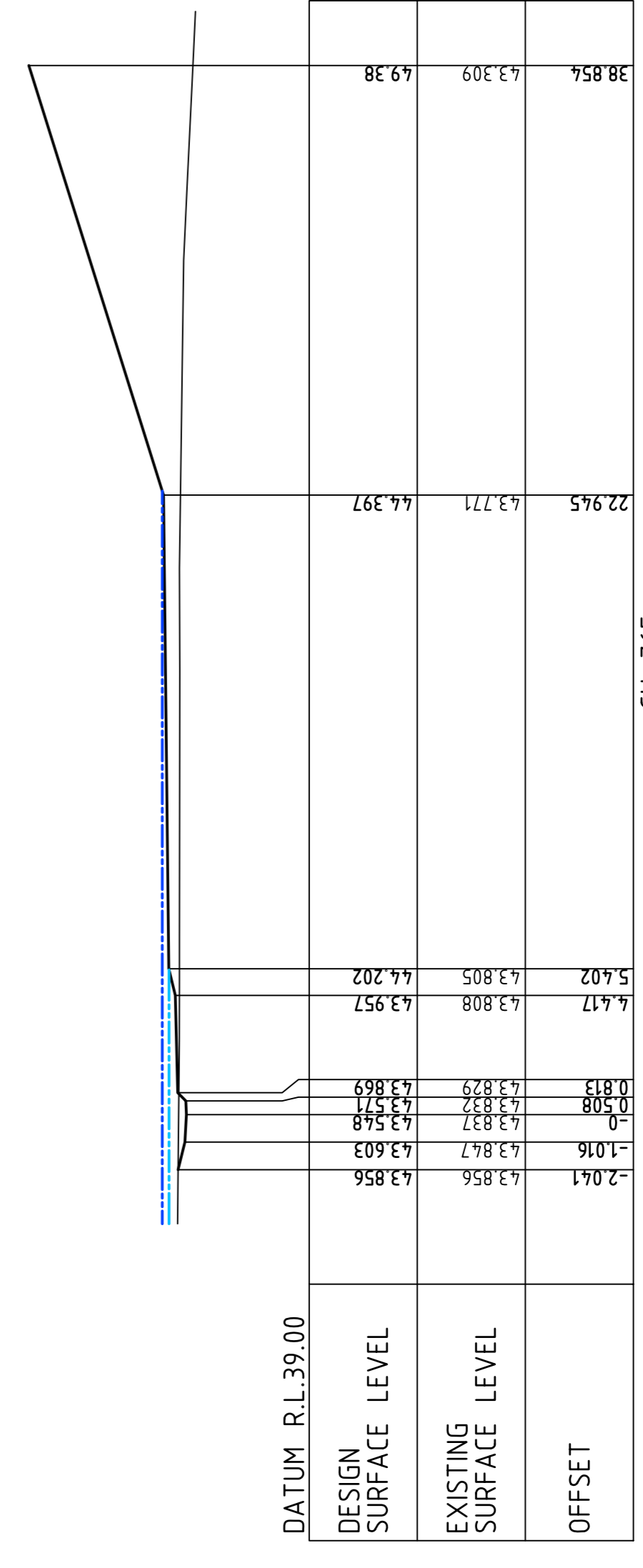
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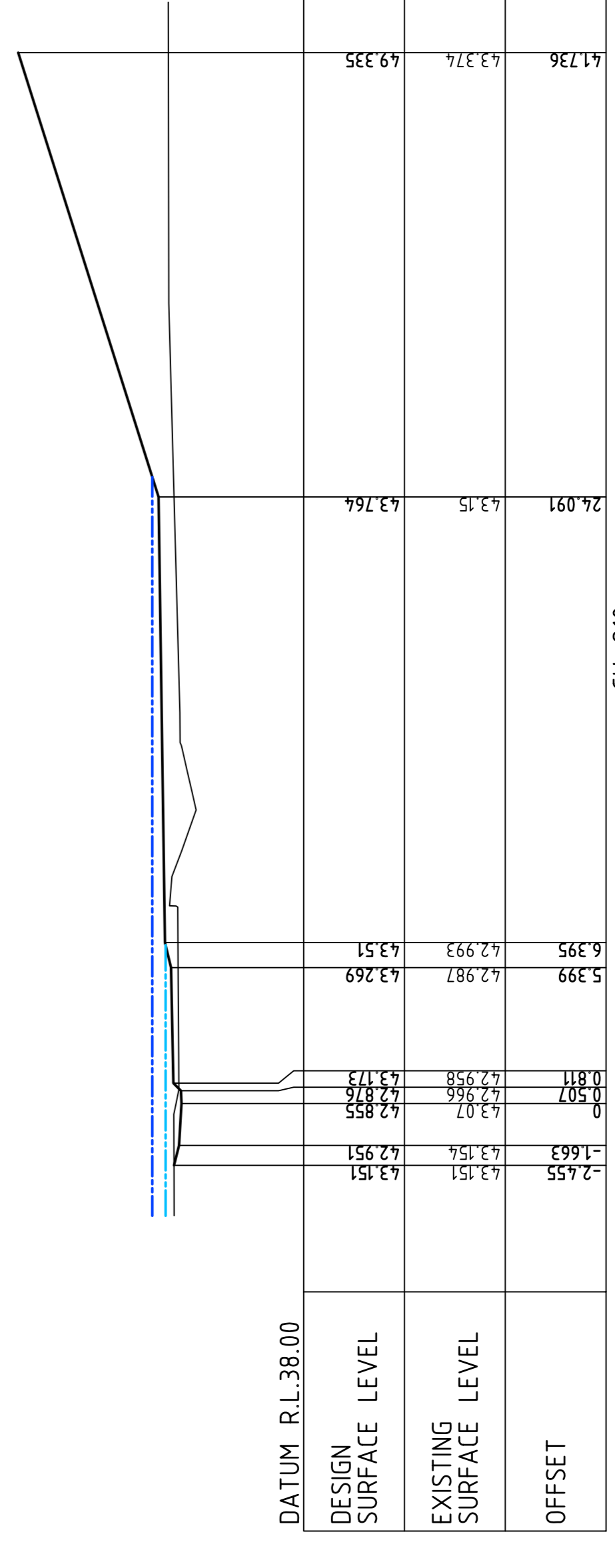
CH 780



CH 825



CH 765

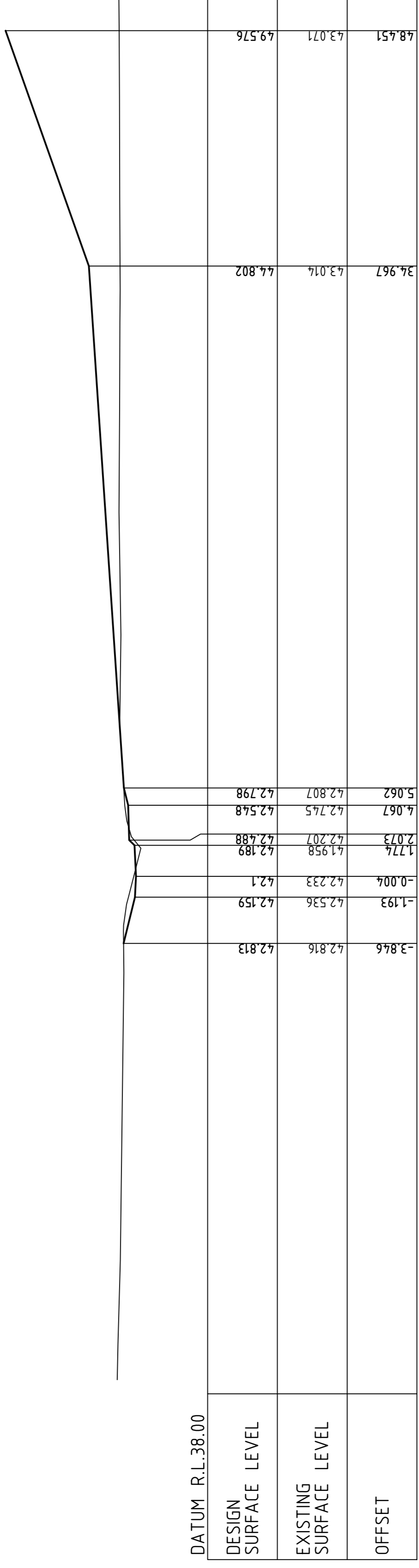


CH 810

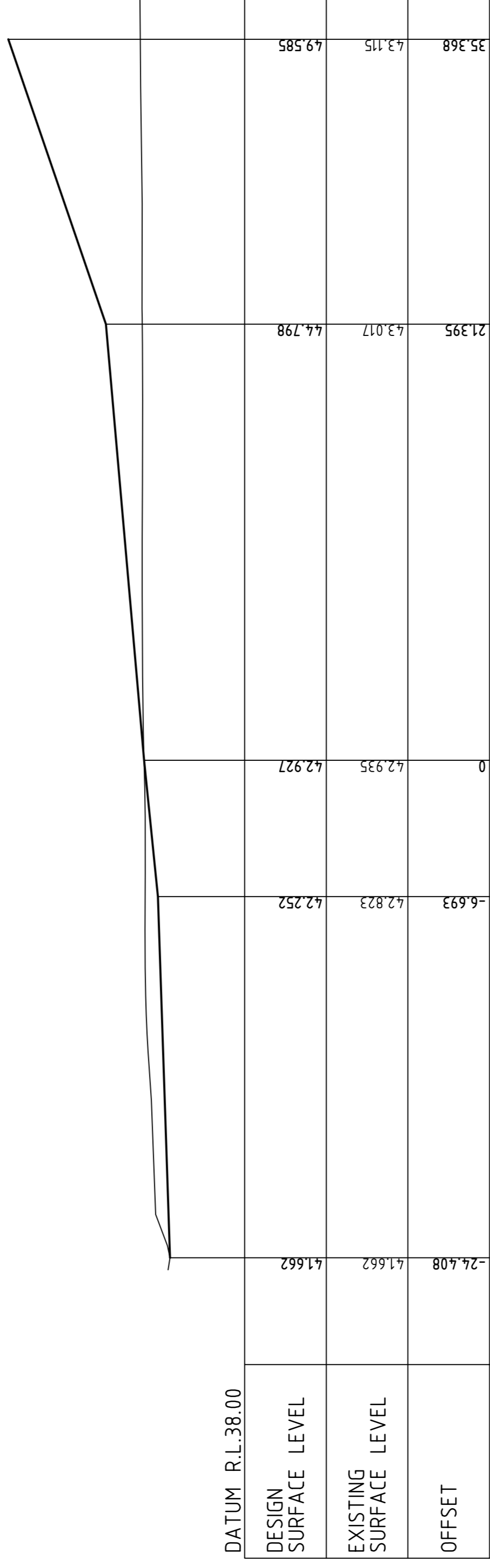
LEGEND
100yr ARI WATER LEVEL
2yr ARI WATER LEVEL

PRELIMINARY

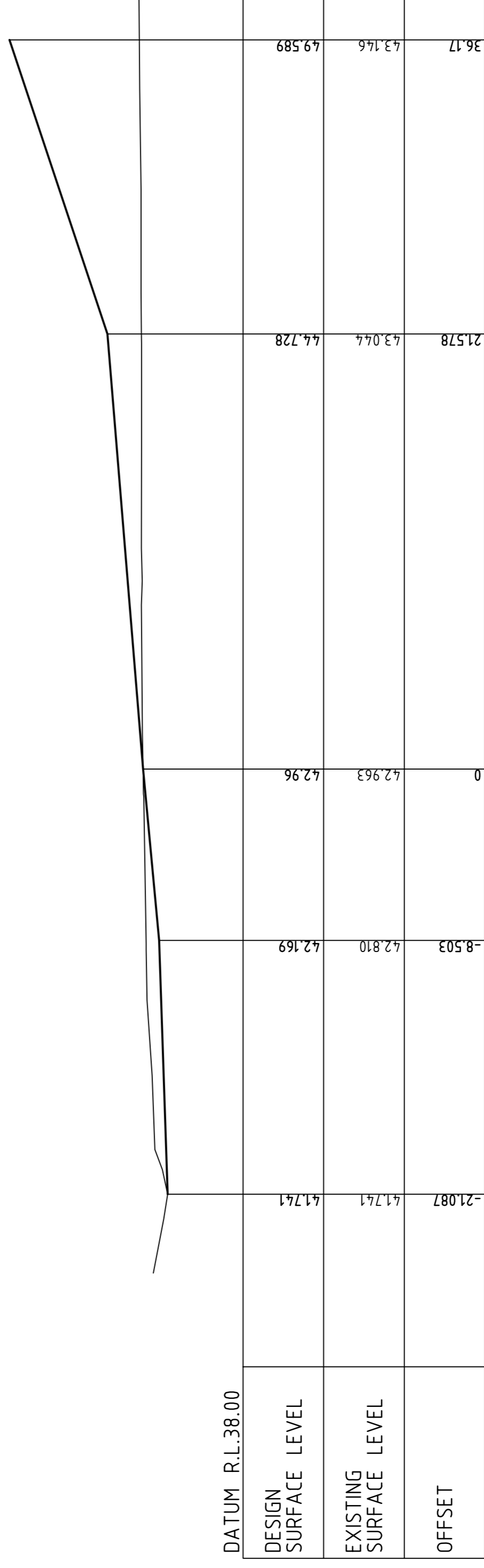
Drawn by: AK Design by: AR Project No: W03003.12 Drawing No: DA217			Sheet: 17 OF 21 Scale: 1:200		
Client: CSR LIMITED EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK			Project: CSR LIMITED EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK		
Brown Consulting (NSW) Pty Ltd Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113 Telephone: 02 9900 1000 Facsimile: 02 9900 1099 Sydney Canberra Brisbane Melbourne Singapore		BROWN Quality Engineering Company ISO 9001 ISO 14001 ISO 45001		Disclaimer and Copyright: ALL DIMENSIONS TO BE CHECKED ON SITE BY SUPERINTENDANT PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE.	
REV DATE BY APP	07 12/05/2005 06 14/03/2005 05 07/12/2003 04 08/11/2003 03 02/09/2003 02 01/09/2003	RFP RFP RFP RFP RFP RFP	REVISIONS TO BE CHECKED ADJUSTED REVISED LAYOUT WITH AVERAGE 30m BUFFER ISSUE FOR DA APPROVAL ISSUE FOR COMMENTS	AMENDMENTS DESCRIPTION DATE	1.000 1.000 1.000 1.000 1.000 1.000



CH 867.626



CH 858.15



CH 855

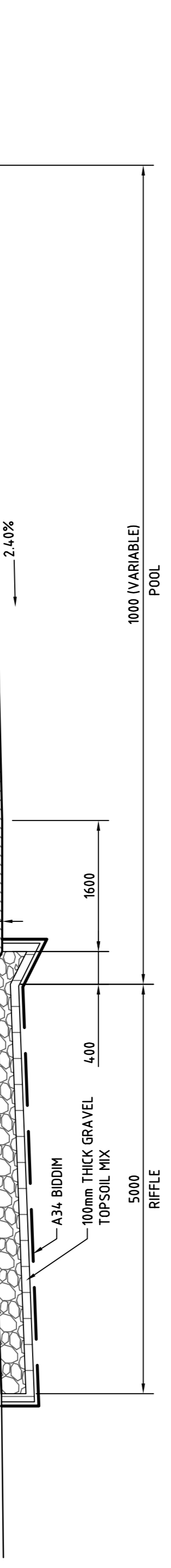
LEGEND
 - - - 100yr ARI WATER LEVEL
 - - - 2yr ARI WATER LEVEL

PRELIMINARY

Drawn by: AK Design by: AR Project No: W03033.12 Drawing No: DA21B Sheet: 18 OF 21 Scale: 1:200		Client: CSR LIMITED Project: EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK	
Brown Consulting (NSW) Pty Ltd Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113 Telephone: 02 9900 1000 Facsimile: 02 9900 1099		Verification INITIALS SIGNATURE DATE DRAFTING DESIGN VERIFY APPROVED	
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DATUM	R.L.	39.00
DESIGN SURFACE LEVEL		45.808
EXISTING SURFACE LEVEL		42.726
OFFSET		7.5

CH 901.224



TYPICAL POOL AND RIFFLE
DETAIL
SCALE 1:50

DATUM	R.L.	39.00
DESIGN SURFACE LEVEL		46.091
EXISTING SURFACE LEVEL		42.738
OFFSET		7.5

CH 900

DATUM	R.L.	39.00
DESIGN SURFACE LEVEL		49.56
EXISTING SURFACE LEVEL		42.892
OFFSET		23.597

CH 885

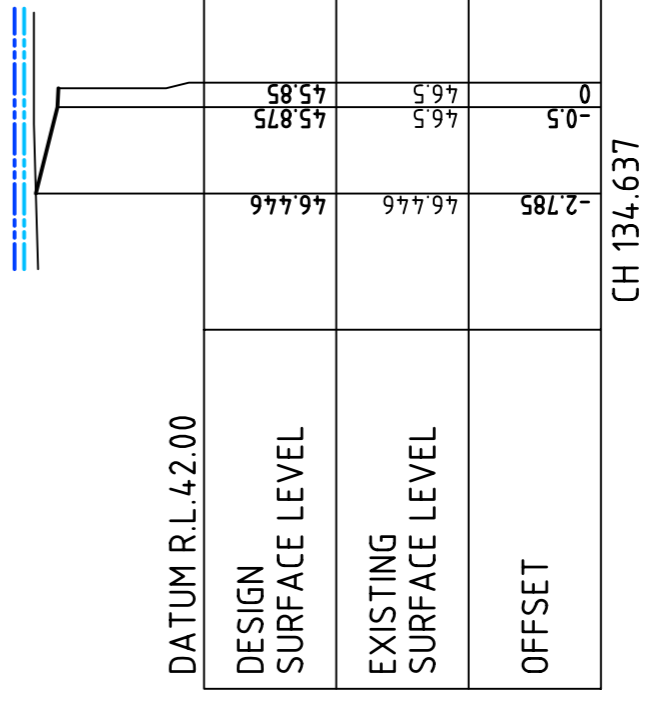
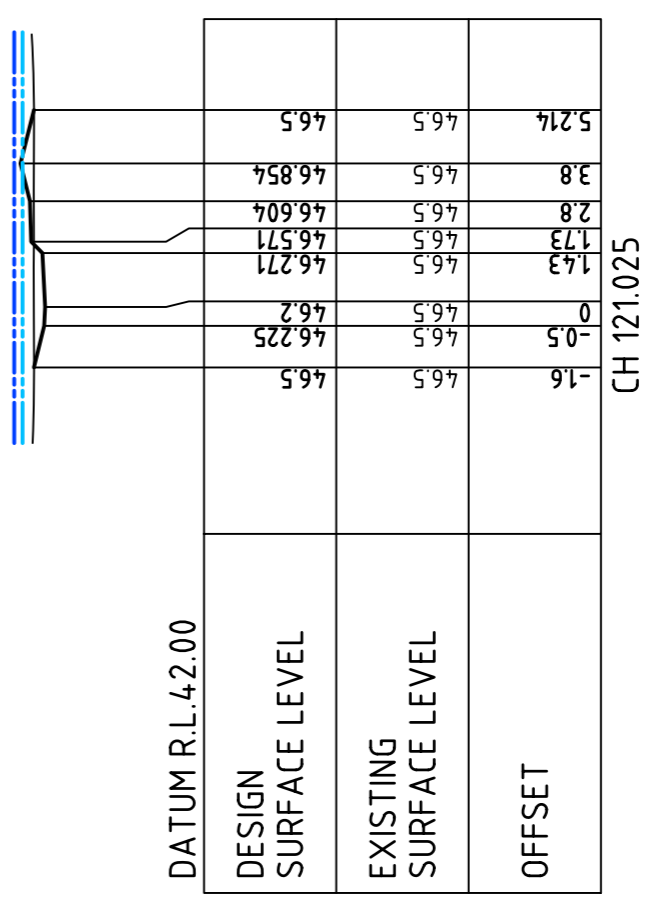
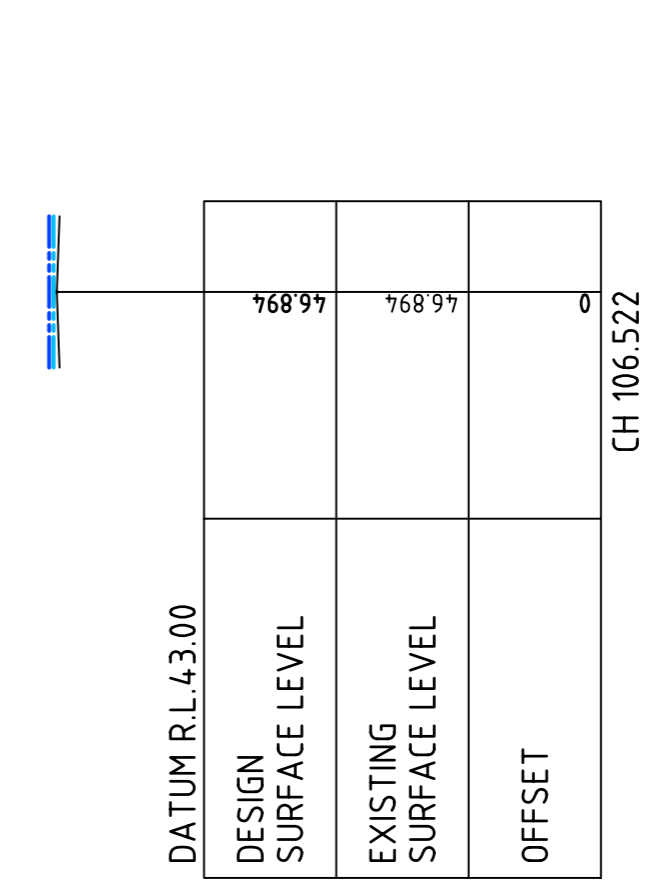
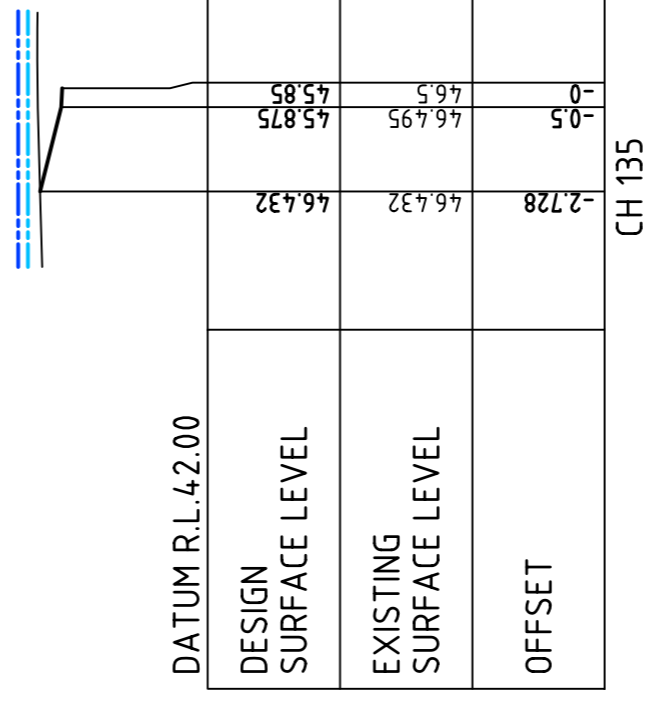
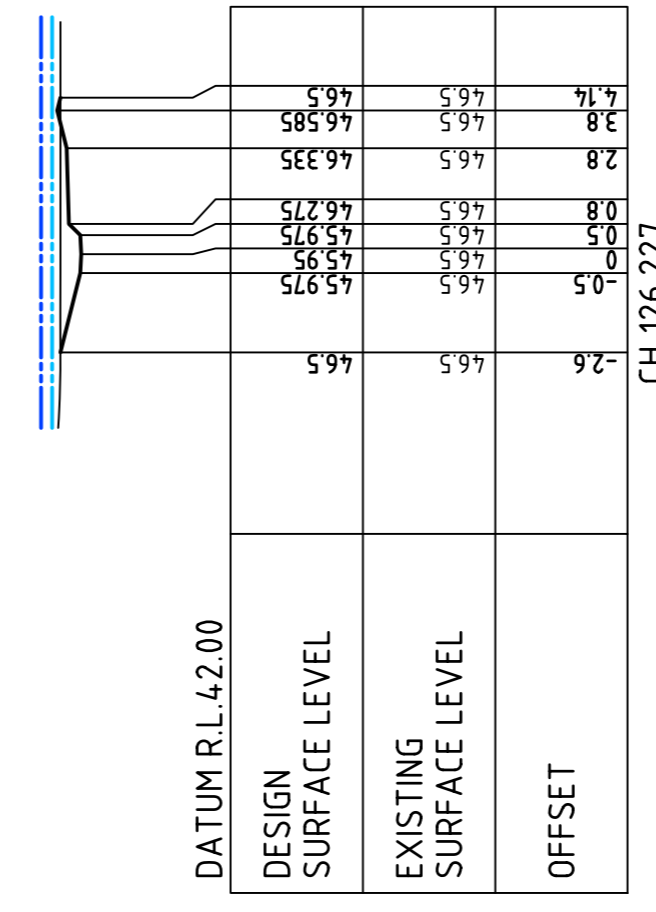
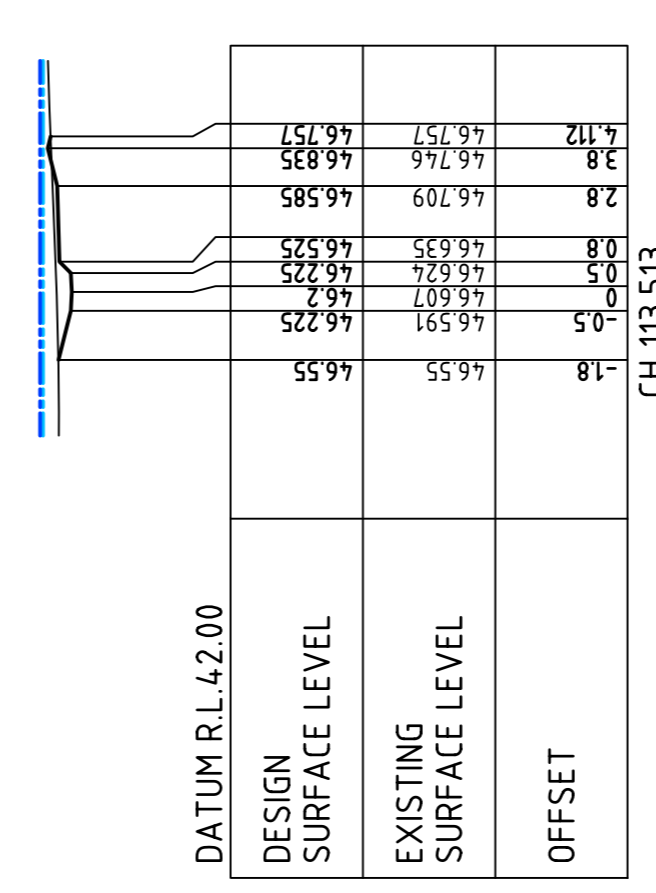
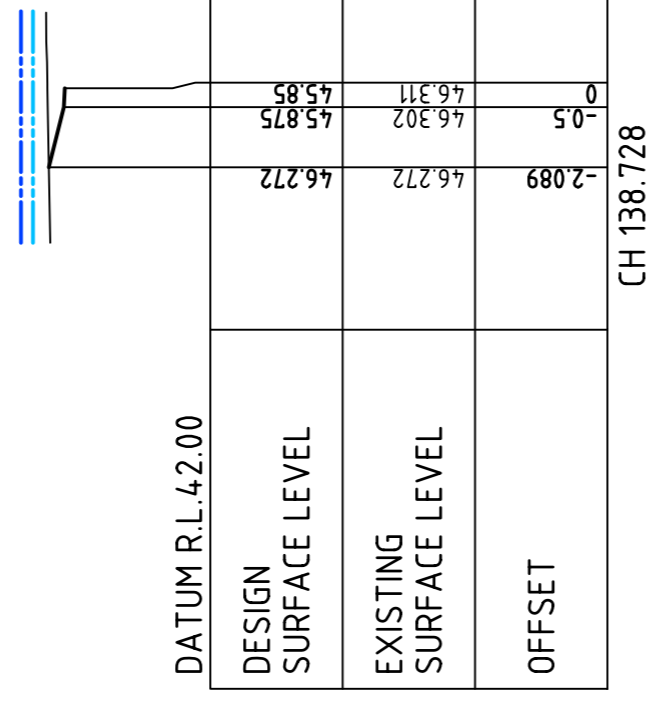
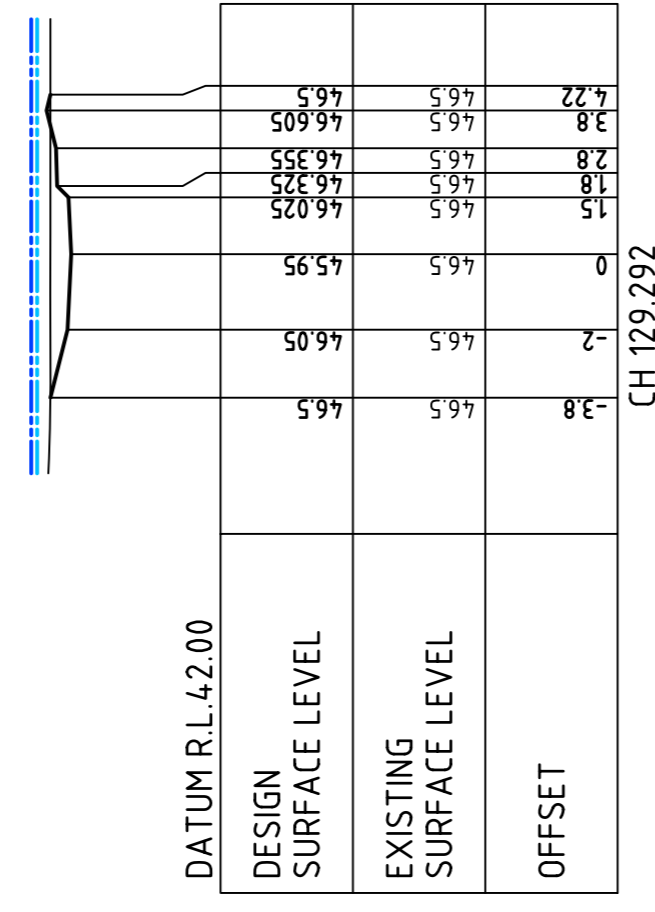
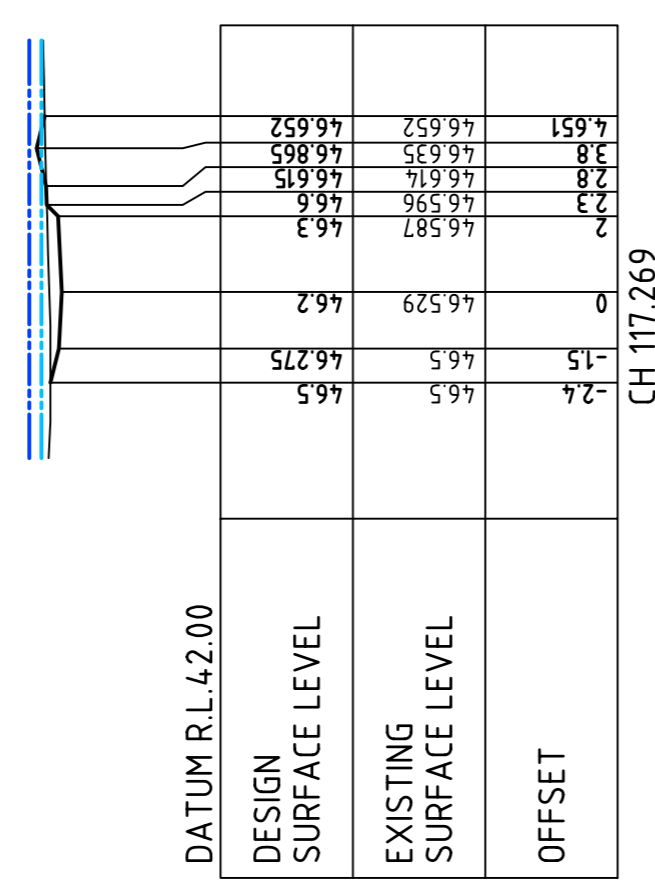
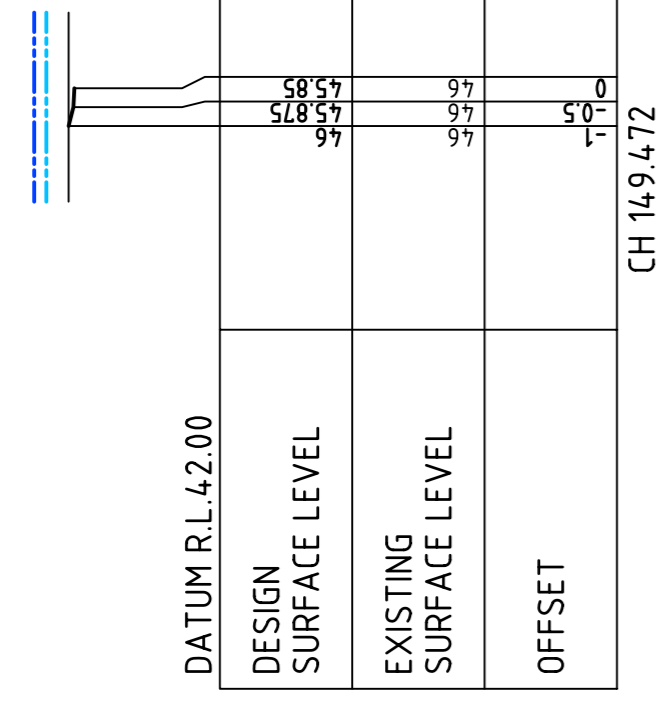
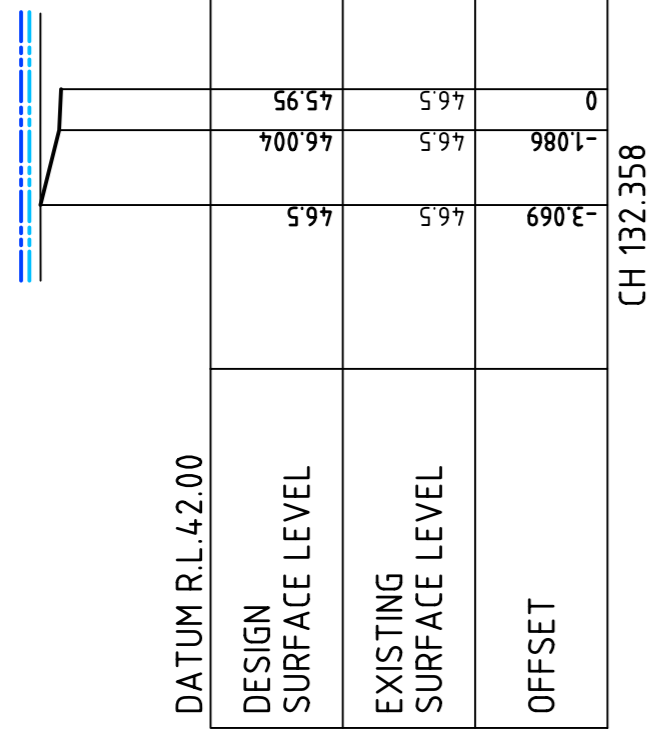
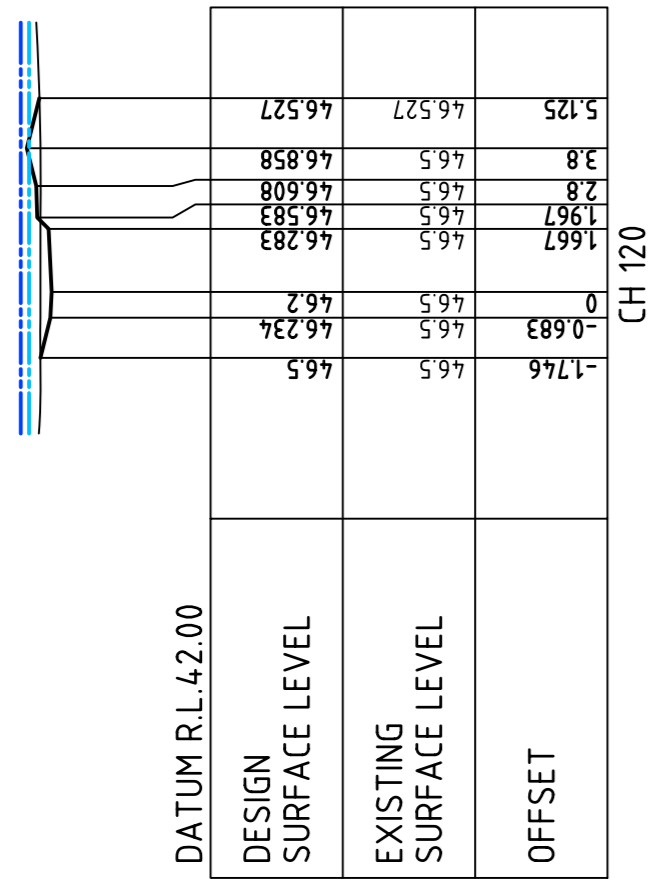
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DESIGN SURFACE LEVEL		49.574
EXISTING SURFACE LEVEL		42.061
OFFSET		48.47

CH 870

LEGEND
 100yr ARI WATER LEVEL
 2yr ARI WATER LEVEL

PRELIMINARY

Client: CSR LIMITED Eastern Site Works Subdivision Southern Creek		Project: CH 904.716 TO CH 926.631 Pool and Riffle Detail	
Brown Consulting (NSW) Pty Ltd Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113 Telephone: 02 9900 1000 Facsimile: 02 9900 1099		Scale: 1:200 Project No: W03003.12 Drawing No: DA219	
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BROWN Quality Management System ISO 9001 ISO 14001 ISO 45001		Brown Consulting (NSW) Pty Ltd Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113 Telephone: 02 9900 1000 Facsimile: 02 9900 1099	
REVISED PAID LEVELS 07 14/03/2005 06 14/03/2005 05 07/02/2005 04 08/11/2005 03 02/09/2005 02 01/09/2005 01	RFP JAK AR RFP RFP RFP RFP	DESCRIPTION AMENDMENTS	VERIFICATION INITIALS SIGNATURE DATE DRAFTING DESIGN VERIFY APPROVED



LEGEND
 --- 100yr ARI WATER LEVEL
 --- 2yr ARI WATER LEVEL

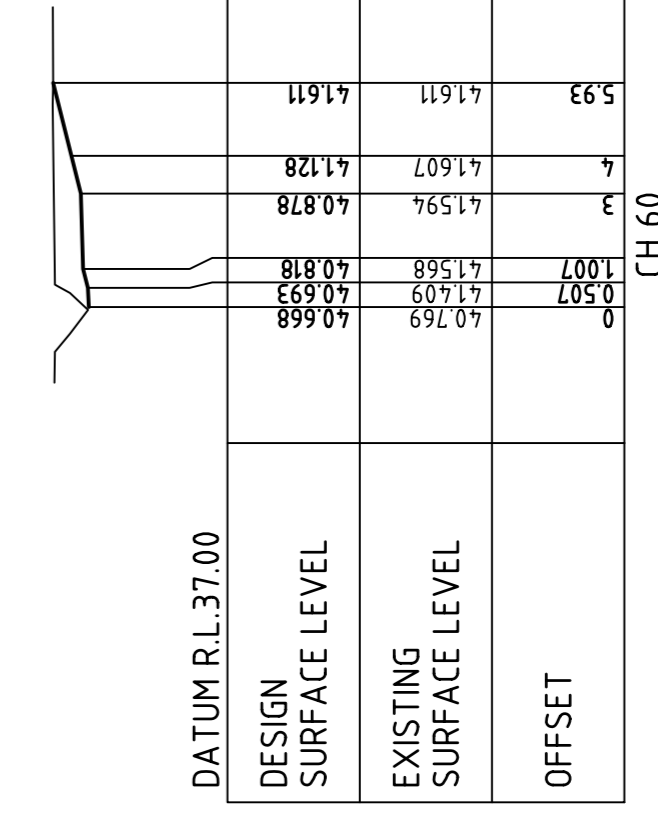
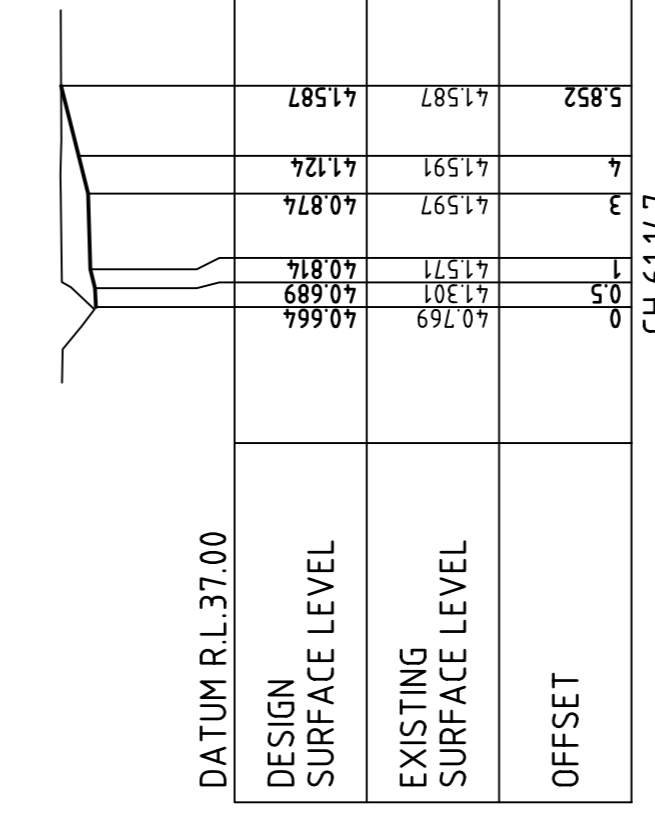
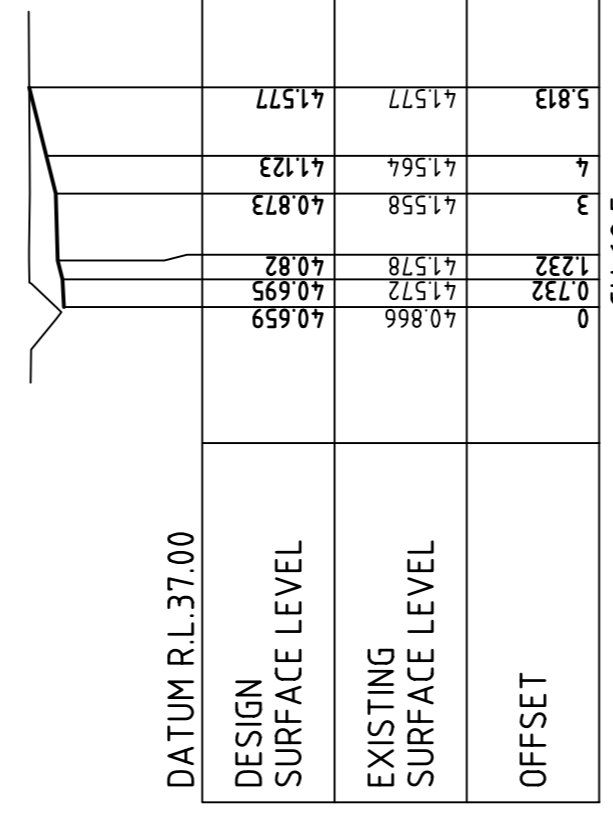
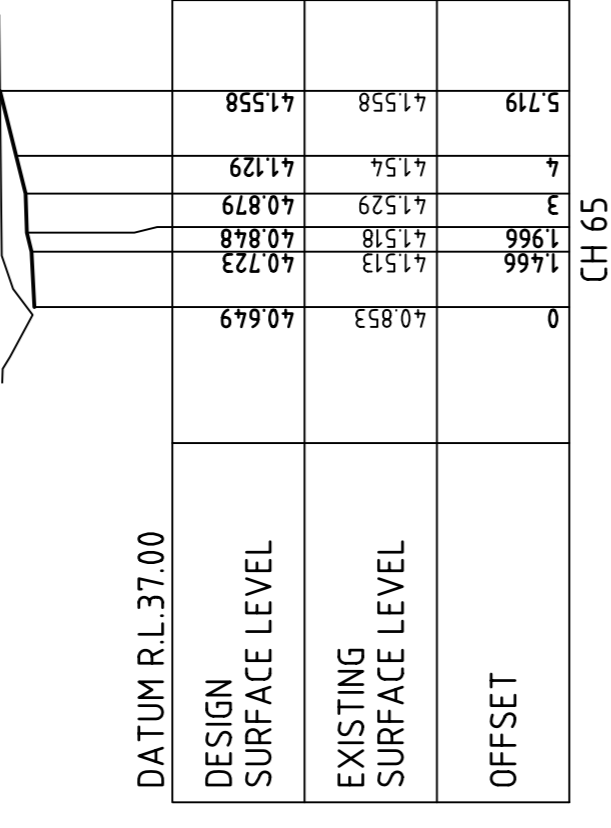
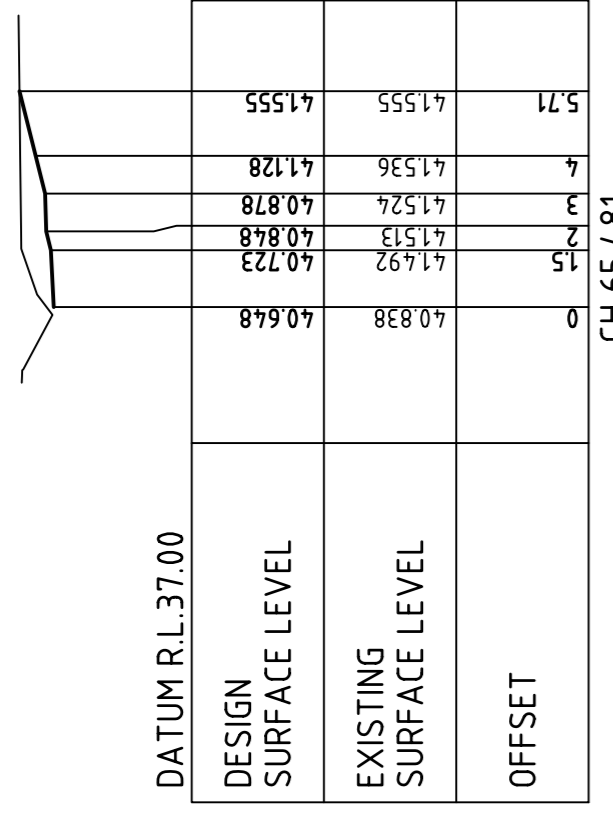
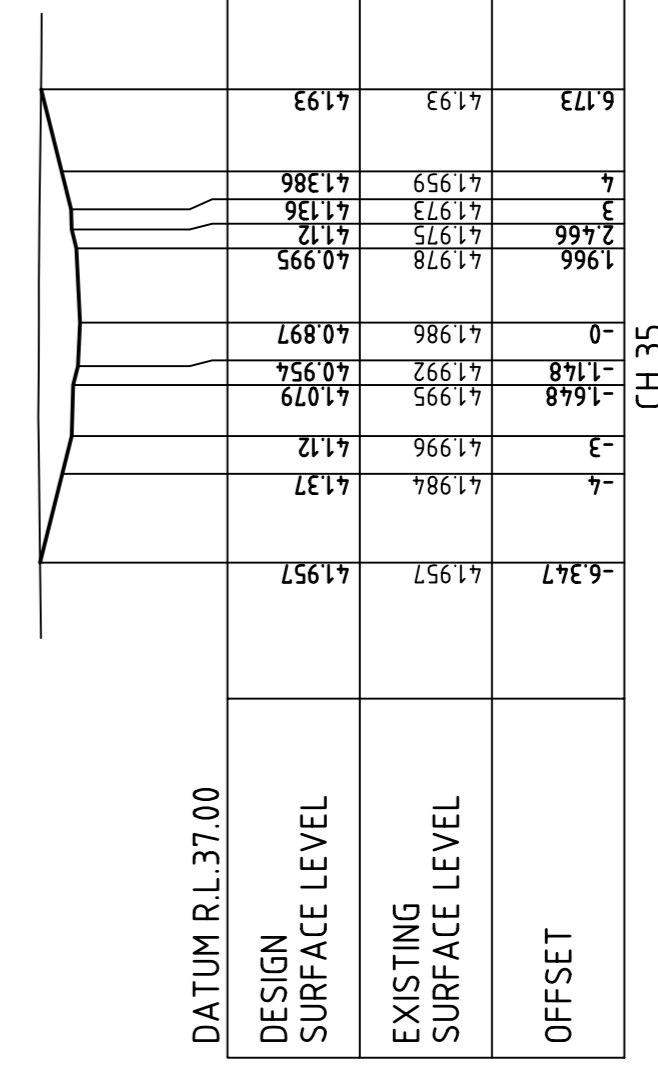
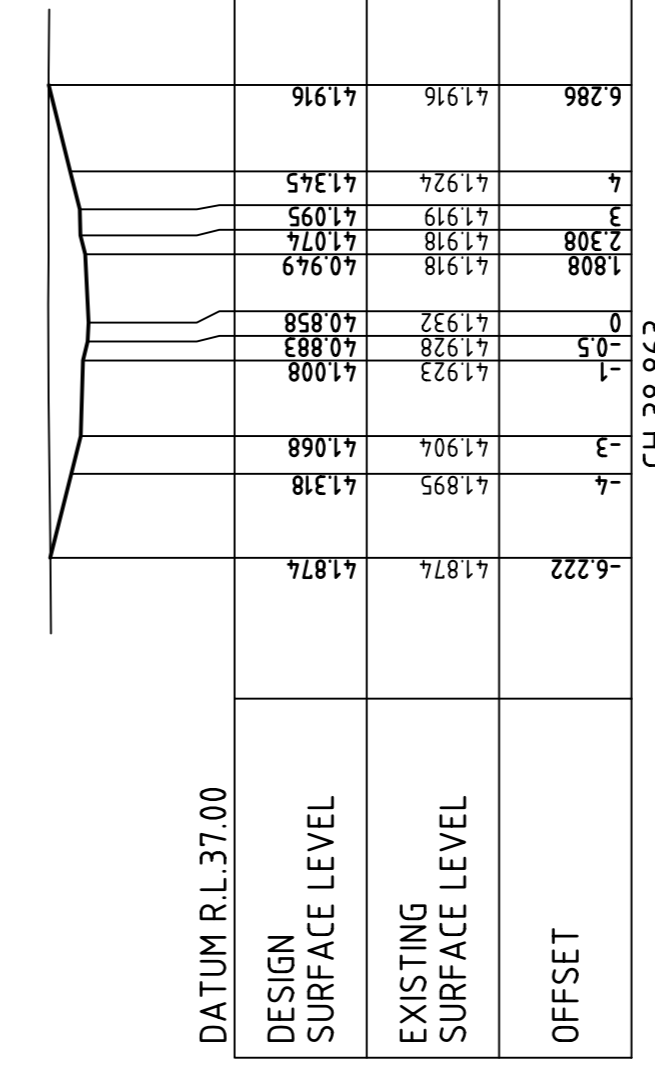
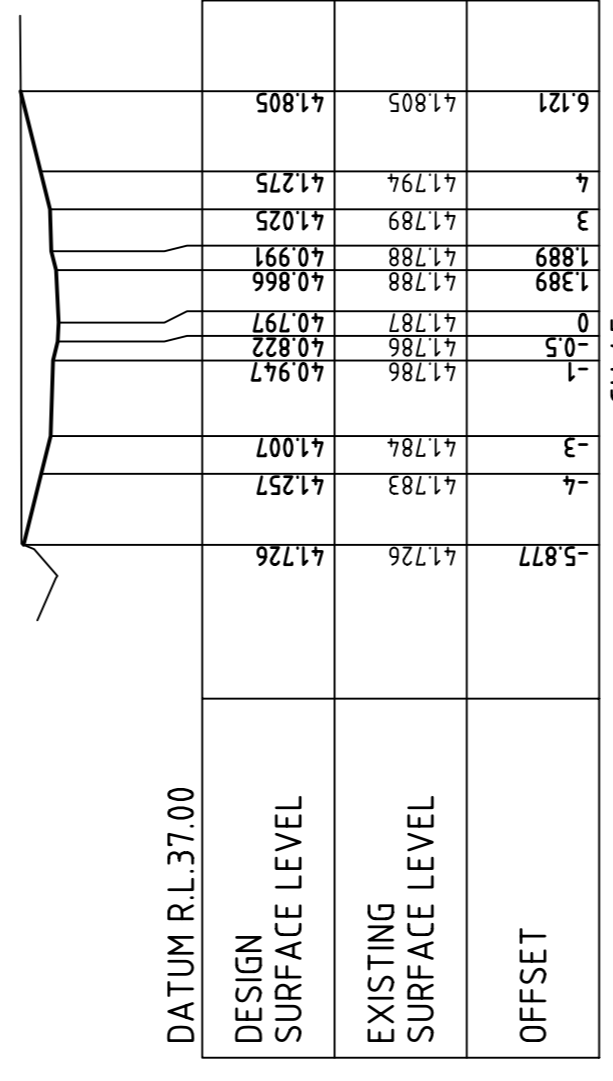
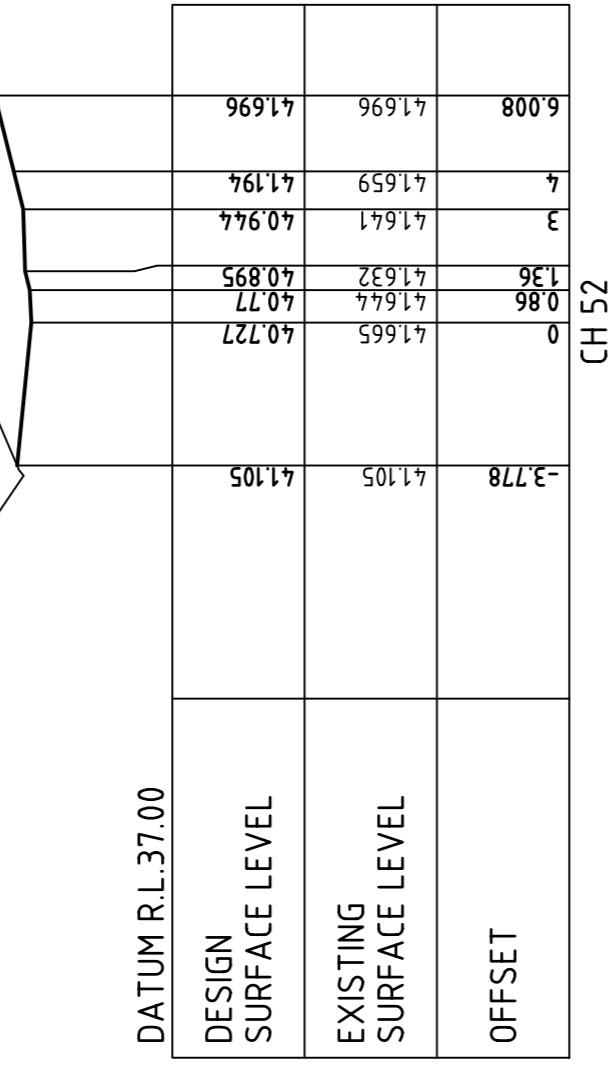
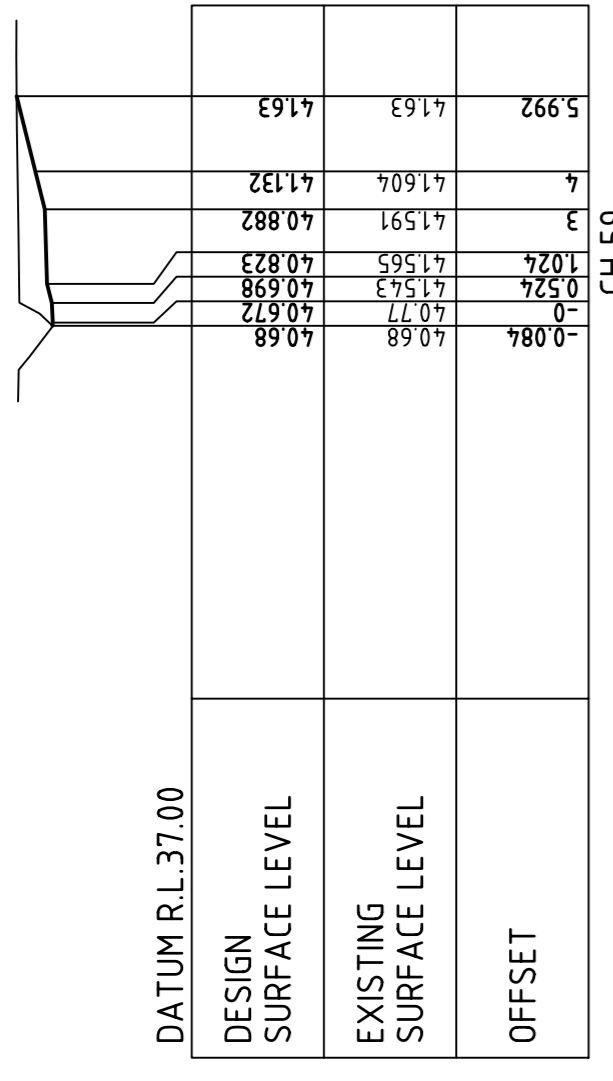
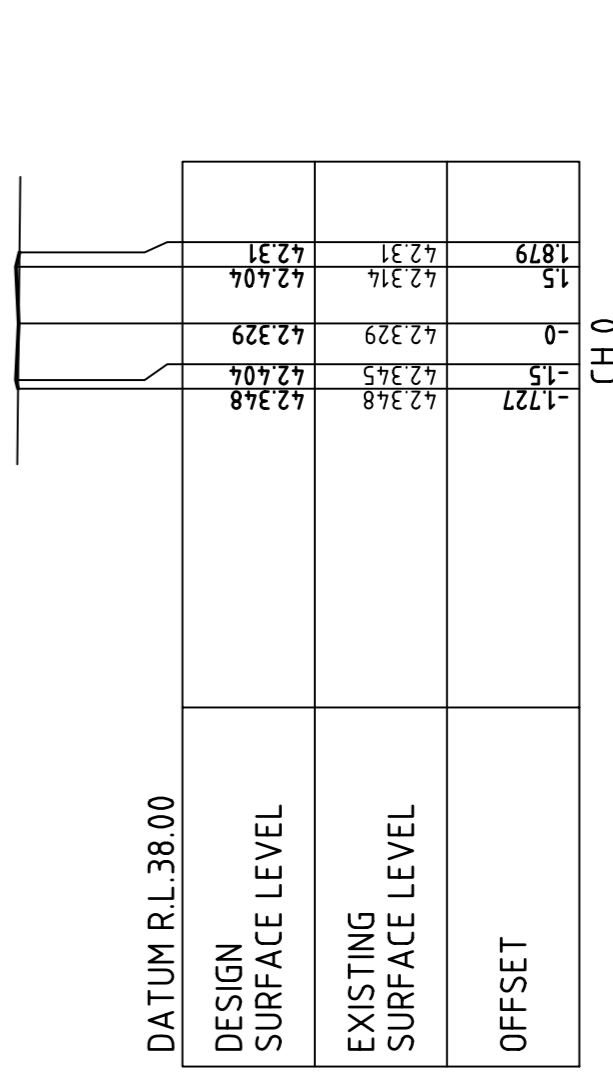
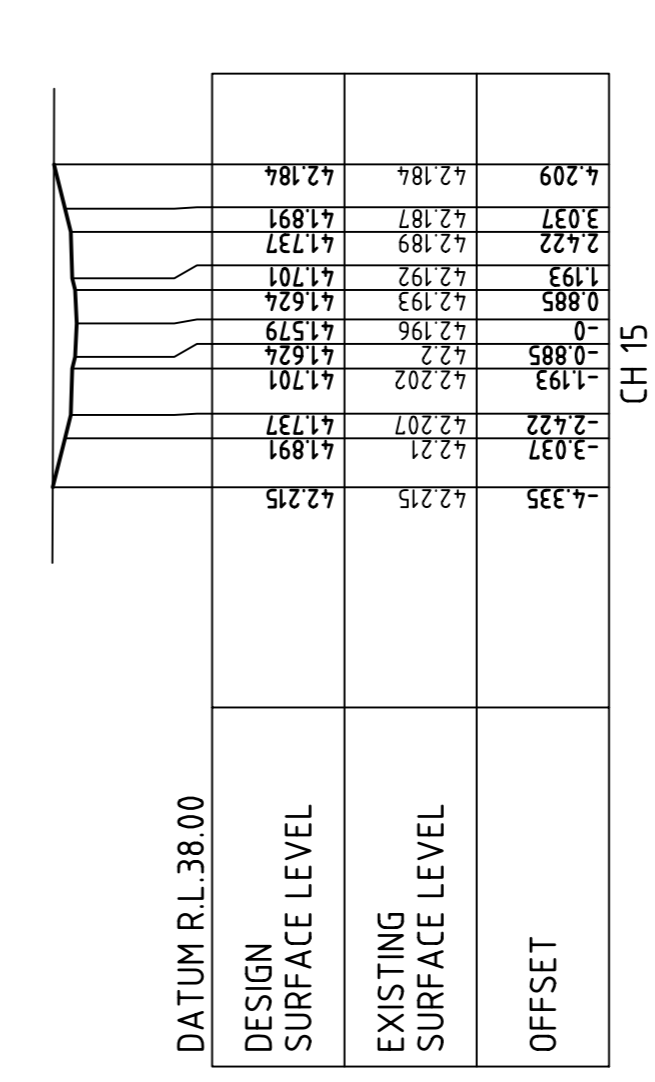
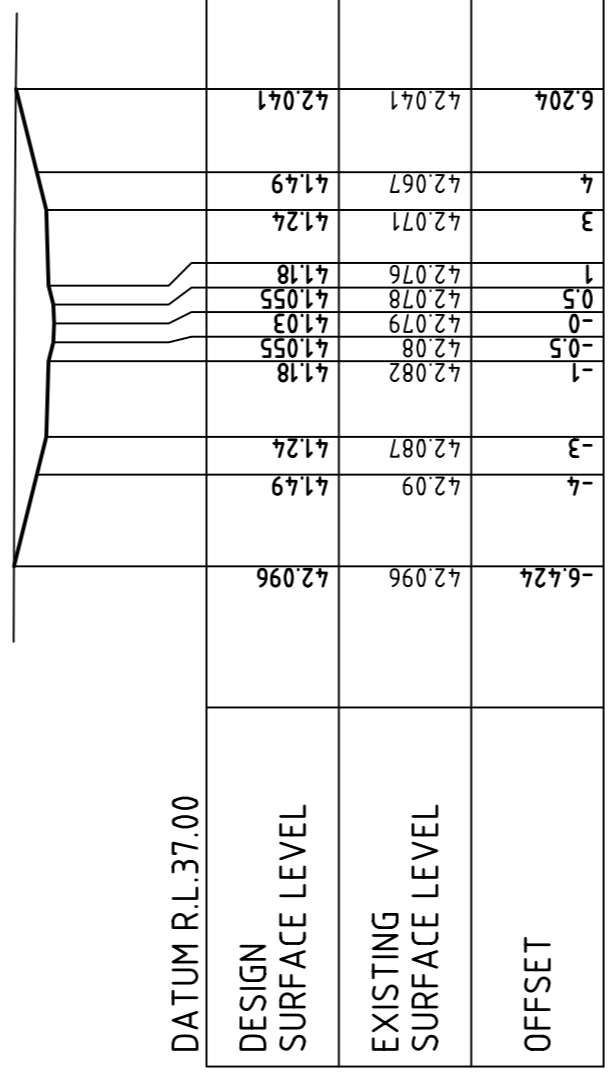
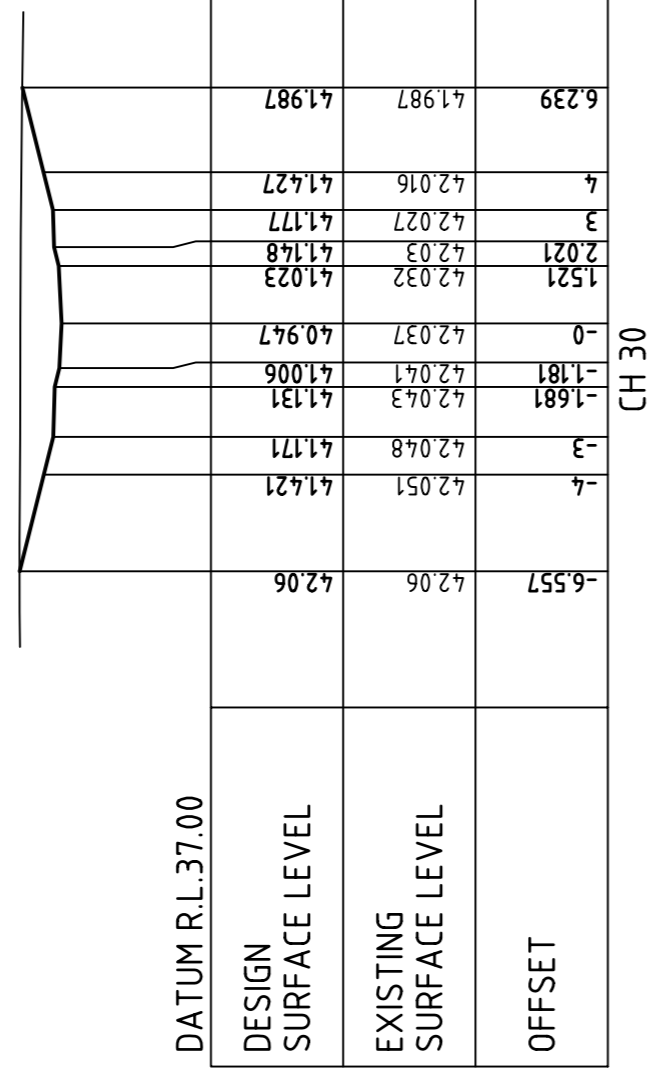
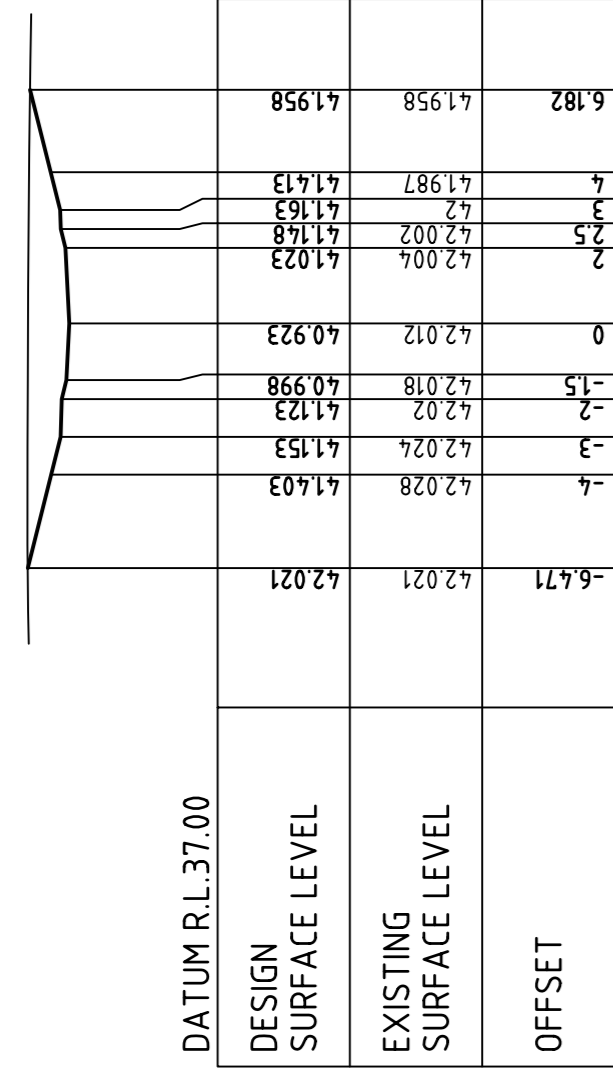
PRELIMINARY

		Brown Consulting (NSW) Pty Ltd Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113 Telephone: 02 9900 1000 Facsimile: 02 9900 1099		Client:	
CSR LIMITED		EASTERN SITE WORKS SUBDIVISION SOUTHERN CREEK		Project:	
Branch 2 CROSS SECTIONS		Drawing No: DA220		Revision: 07	
Drawn by: AK		Design by: AR		Project No: W03003.12	
Sheet: 20 OF 21		Scale: 1:200		Drawing No: DA220	

REV	DATE	DESCRIPTION	BY	APP
01	01/09/2005	ISSUE FOR COMMENTS	RAP	
02	02/09/2005	ISSUE FOR DA APPROVAL	RAP	
03	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER	RAP	
04	07/02/2006	REVISED DA SUBMISSION	AR	
05	07/02/2006	REVISED DA SUBMISSION	AR	
06	14/03/2006	ADJUSTED OUTLET	JAK	
07	02/06/2006	REVISED PAID LEVELS	RAP	

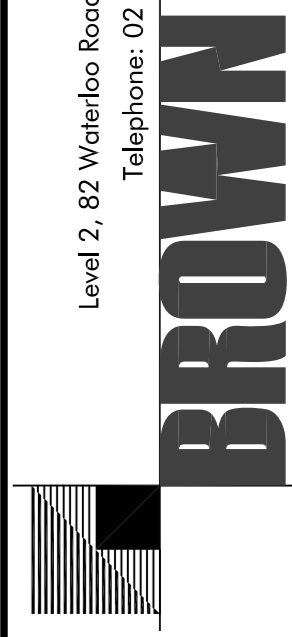
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 DRAFTING DESIGN VERIFY APPROVED



REV	DATE	DESCRIPTION	APP
01	01/09/2005	ISSUE FOR COMMENTS	APP
02	02/09/2005	ISSUE FOR DA APPROVAL	APP
03	08/11/2005	REVISED LAYOUT WITH AVERAGE 30m BUFFER	APP
04	07/02/2006	REVISED DA SUBMISSION	APP
05	07/02/2006	REVISED DA SUBMISSION	APP
06	14/03/2006	ADJUSTED OUTLET	APP
07	02/06/06	REVISED PAID LEVELS	APP

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Client:
 Brown Consulting (NSW) Pty Ltd
 Level 2, 82 Waterloo Road Macquarie Park, NSW Australia 2113
 Telephone: 02 9900 1000 Facsimile: 02 9900 1099
 Project:
 Eastern Site Works Subdivision
 Southern Creek

INITIALS	SIGNATURE	DATE
		DRAFTING
		DESIGN
		VERIFY
		APPROVED

CSR LIMITED
 EASTERN SITE WORKS SUBDIVISION
 SOUTHERN CREEK

Branch 3
 CROSS SECTIONS

Drawn by: AK
 Design by: AR
 Project No: W030033.12
 Drawing No: DA221

Sheet: 21 OF 21
 Scale: 1:200

PRELIMINARY