

Prepared by:



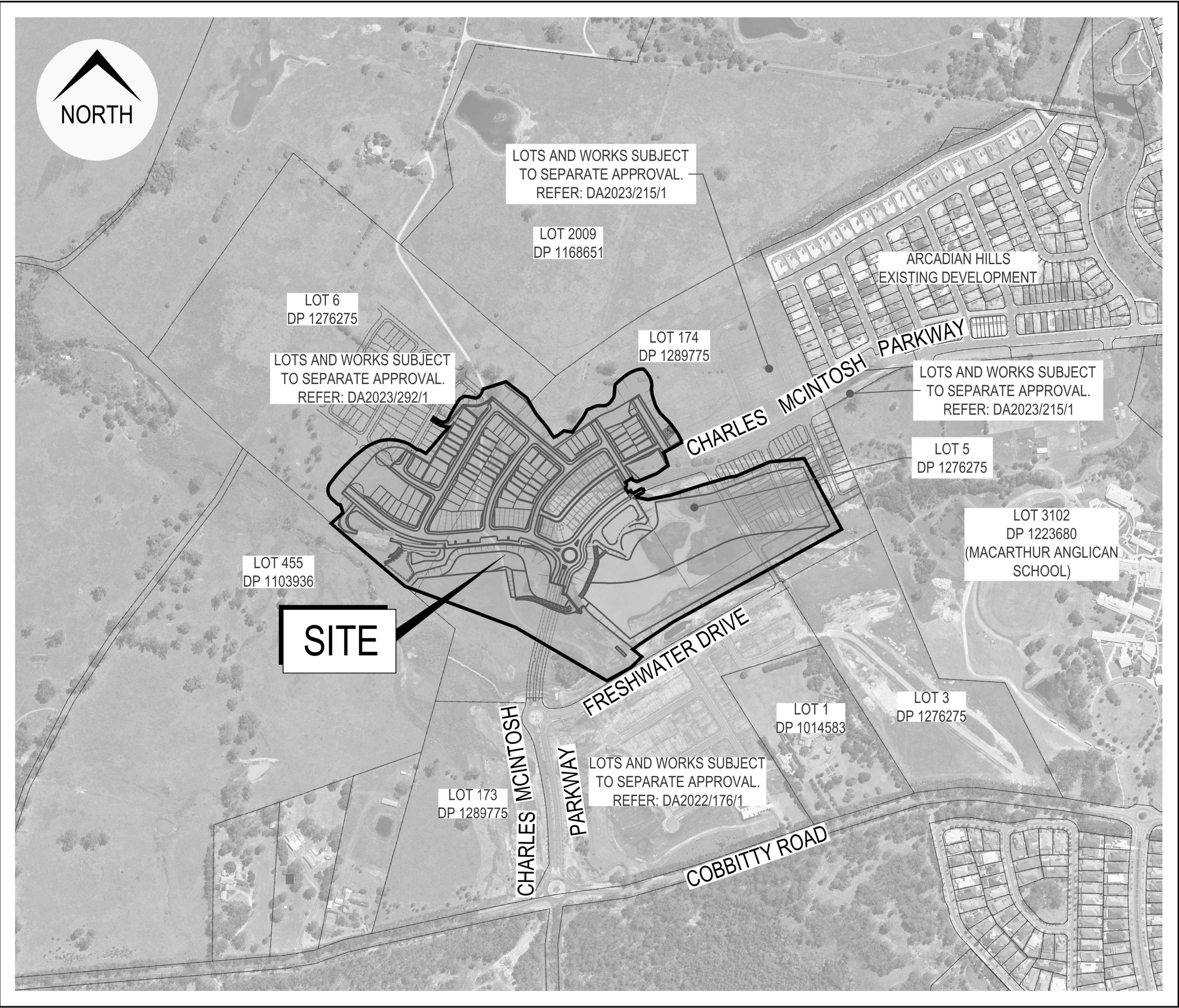
Prepared for:



LGA:



DA: 2023/461/1 & 2023/292/1



SITE / LOCATION (Image courtesy of MetroMap 13.02.2024)

LOT 5 & 6 DP 1276275 AND LOT 174 DP 1289775

591, 593 COBBITTY ROAD &
1 FRESHWATER DRIVE, COBBITTY
(PRECINCT 2A STAGE 1 &
TRANCHE 5a STAGE 1)
ROAD & DRAINAGE DESIGN

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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PLAN INDEX		
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PLAN INDEX		
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WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

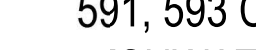
CAMDEN COUNCIL
Approved by the Council of Camden under the provisions
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APPROVAL

25/02/2025

SUBDIVISION WORKS CERTIFICATE

DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2

E
*COUNCIL RFI
*PIPE 02000 UPSIZED
*PIT NUMBERS AMENDED

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E	LMc	LMc	MP	MP	20/02/2025	AMENDED TO SUIT COUNCIL COMMENTS	    www.jas-anz.com.au/DESIGNER				591, 593 COBBITTY ROAD & 1 FRESHWATER DRIVE, COBBITTY (PRECINCT 2A STAGE 1 & TRANCHE 5a STAGE 1) ROAD & DRAINAGE DESIGN	DRAWING INDEX			
D	WP	LMc	MP	MP	10/02/2025	AMENDED TO SUIT COUNCIL COMMENTS					23-0579	01	SWC	001	E
C	LMc	LMc	TA	TA	22/01/2025	AMENDED TO SUIT COUNCIL COMMENTS									
B	WP	LMc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS									
A	RL	LMc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE									
Rev	Drawn	Design	Check	Appd.	Date	Revision Description	ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au								



LOT 2008
DP 1168651

LOT 2009
DP 1168651

FUTURE
SCHOOL

140 LOTS AND WORKS SUBJECT
1 TO SEPARATE APPROVAL.
REFER: DA2023/215/1

LOT 3102, DP 1223680
(MACARTHUR ANGLICAN SCHOOL)
INDICATIVE FUTURE DESIGN

LOTS AND WORKS SUBJECT
TO SEPARATE APPROVAL.
REFER: DA2023/292/1

LOT 3
DP 1276275

LOT 1
DP 1014583

LOTS AND WORKS SUBJECT
TO SEPARATE APPROVAL
REFER: DA2022/176/1

COBBITTY CREEK

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Scale

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SCALE 1:1500 (A1) SCALE 1:3000 (A3)

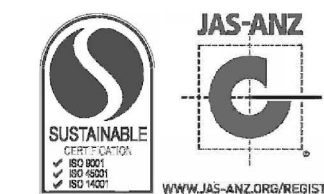
For:	
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FOR

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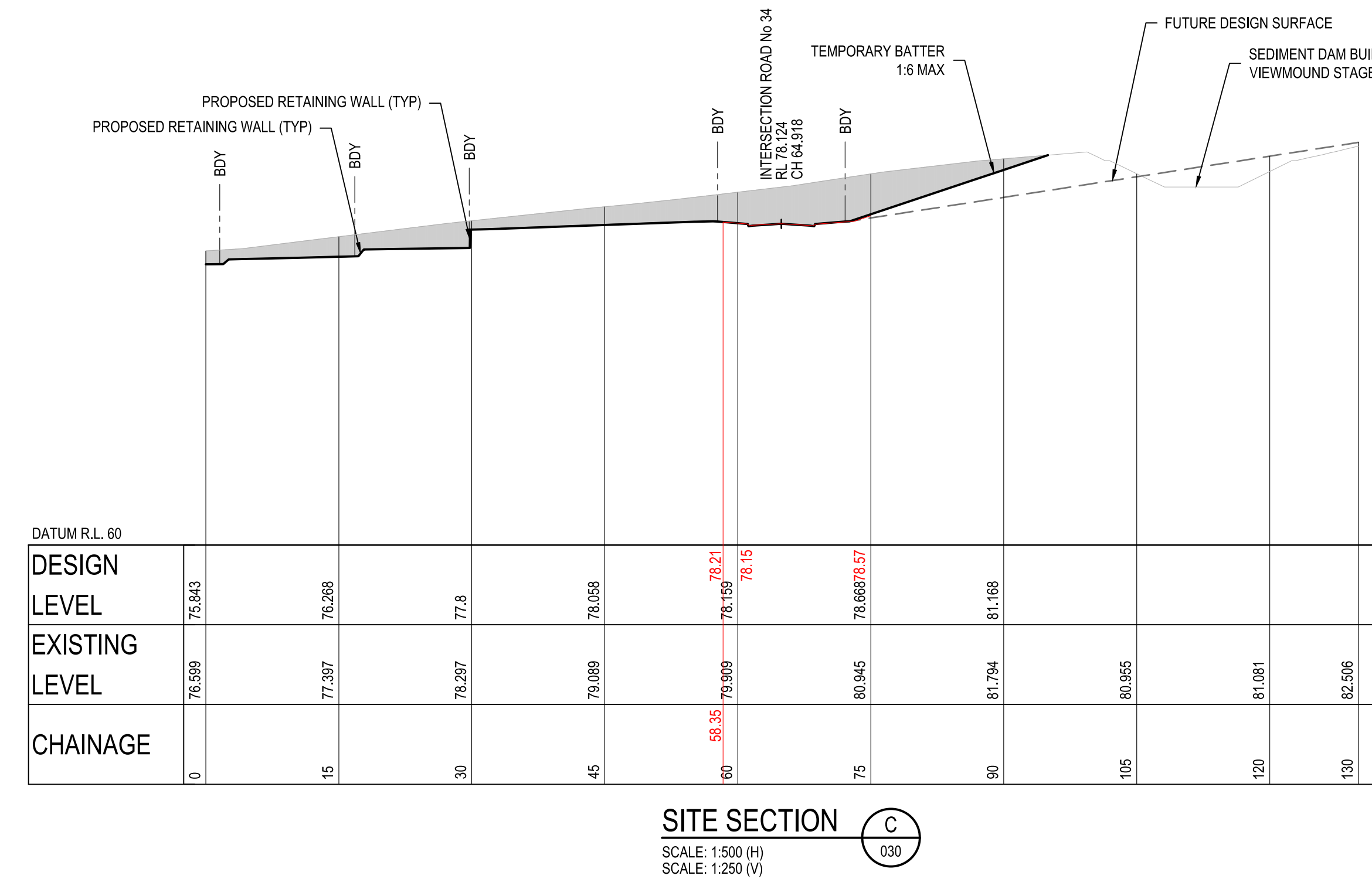
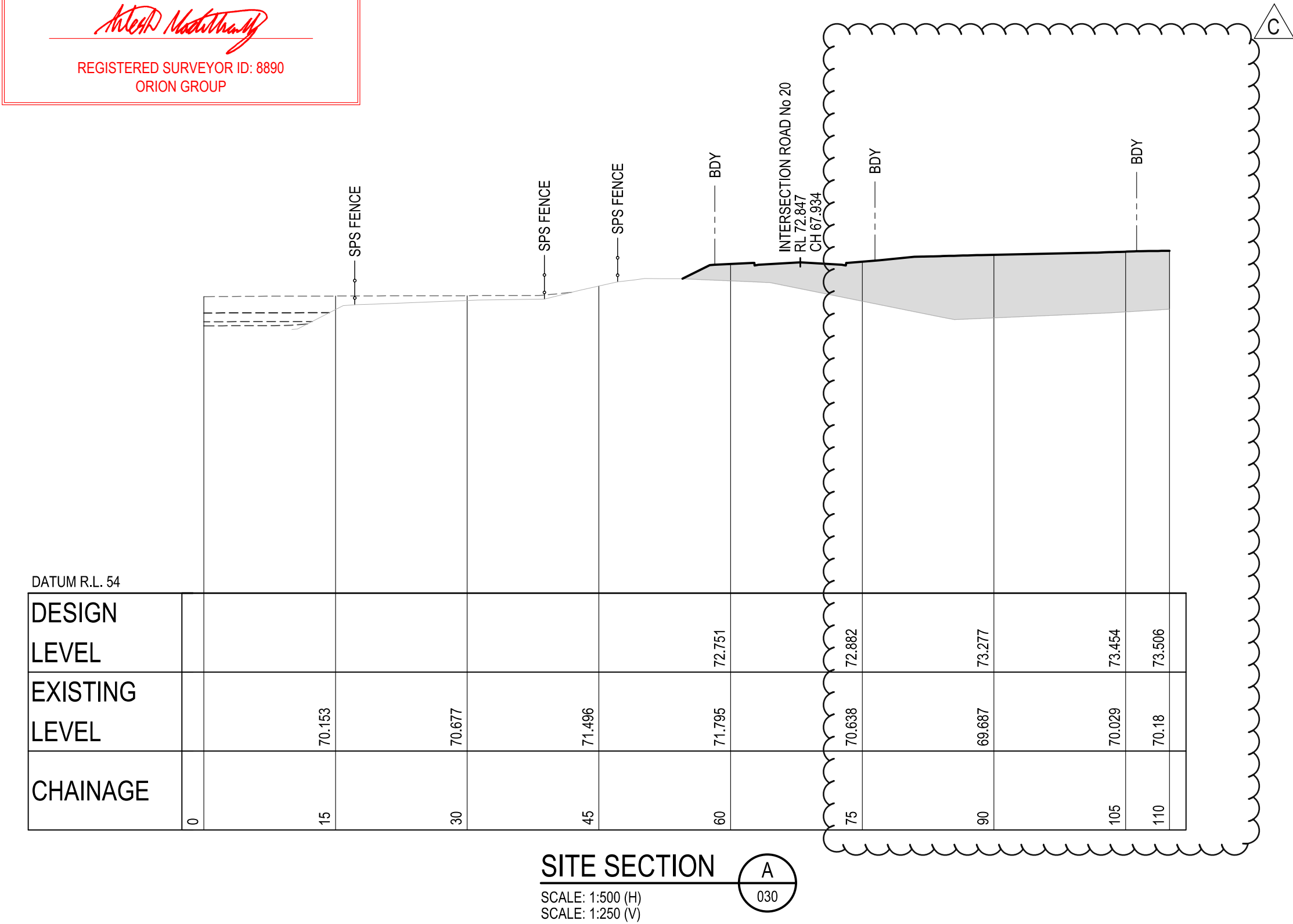
SITE REGRADING ALIGNMENT PLAN

Title:	
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SITE REGRADING ALIGNMENT PLAN				
Project No.	Set No.	Milestone	Plan	Revision
23-0579	01	SWC	030	B

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025
Mark Mathias
REGISTERED SURVEYOR ID: 8890
ORION GROUP

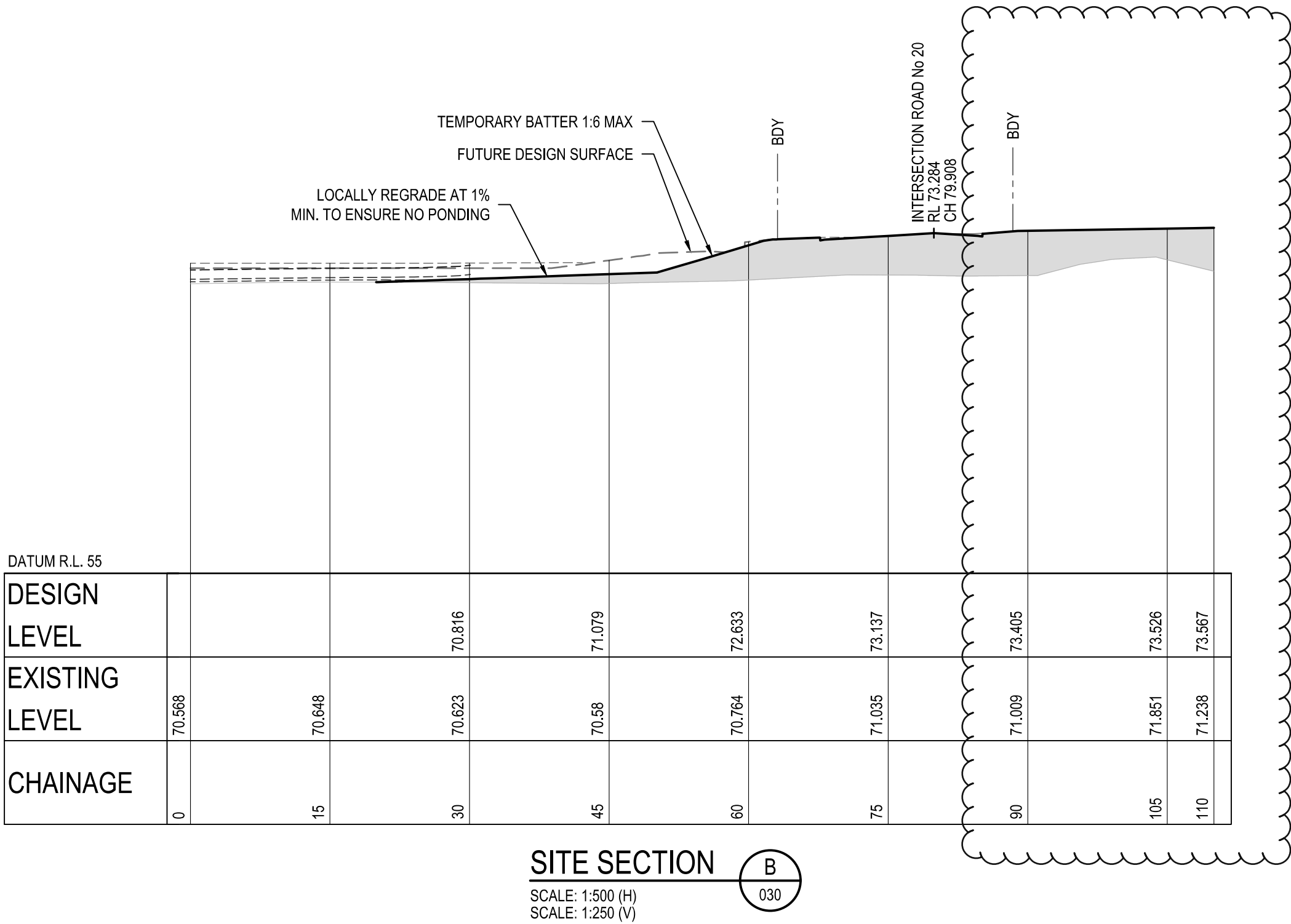
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25/02/2025
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DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2



NOTE:

REFER TO SHEETS SWC 711 - 721 FOR RETAINING WALL
PROFILES AND SETOUT TABLES

LEGEND	
FINISHED DESIGN SURFACE LEVEL	—————
EXISTING SURFACE	—————
EXISTING LOT BOUNDARY	-----
5 YEAR ARI FLOOD LEVEL	-----
100 YEAR ARI FLOOD LEVEL	-----
100 YR + 0.5M FREEBOARD	-----
PMF FLOOD LEVEL	-----
FILL AREA	■
CUT AREA	■



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C	LMc	LMc	TA	TA	22/01/2025	AMENDED TO SUIT COUNCIL COMMENTS													
B	WP	LMc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS													
A	RL	LMc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE													
Rev	Drawn	Design	Check	Appd.	Date	Revision Description													
																		Project No. 23-0579	
																		Set No. 01	
																		Milestone SWC	
																		Plan 050	
																		Revision C	

- REFER TO SHEETS SWC 711 - 721 FOR RETAINING WALL PROFILES AND SETOUT TABLES

FINISHED DESIGN SURFACE LEVEL	—————
EXISTING SURFACE	—————
EXISTING LOT BOUNDARY	- - - - -
5 YEAR ARI FLOOD LEVEL	- - - - -
100 YEAR ARI FLOOD LEVEL	- - - - -
100 YR + 0.5M FREEBOARD	- - - - -
PMF FLOOD LEVEL	- - - - -
FILL AREA	
CUT AREA	

WORKS AS EXECUTED

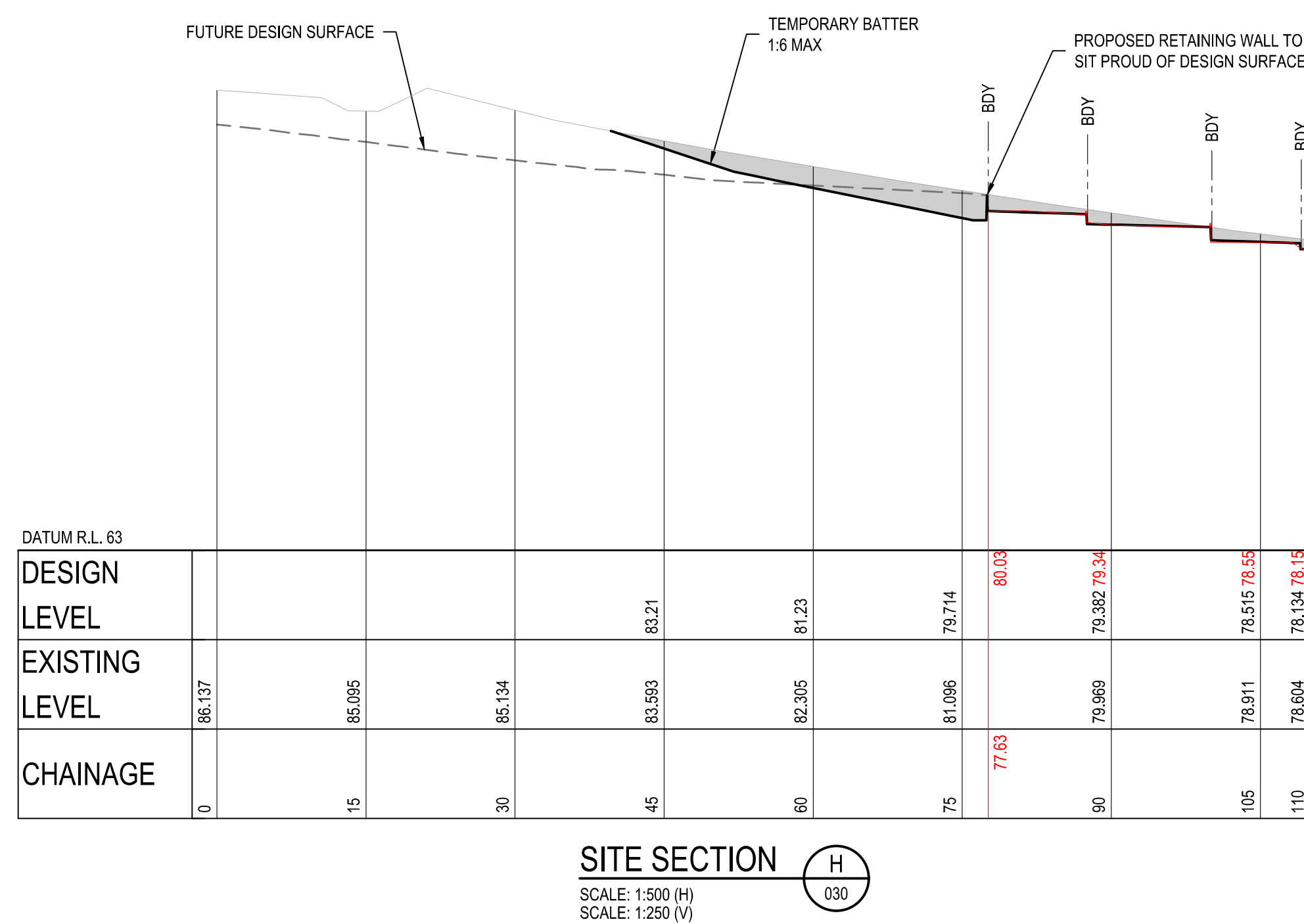
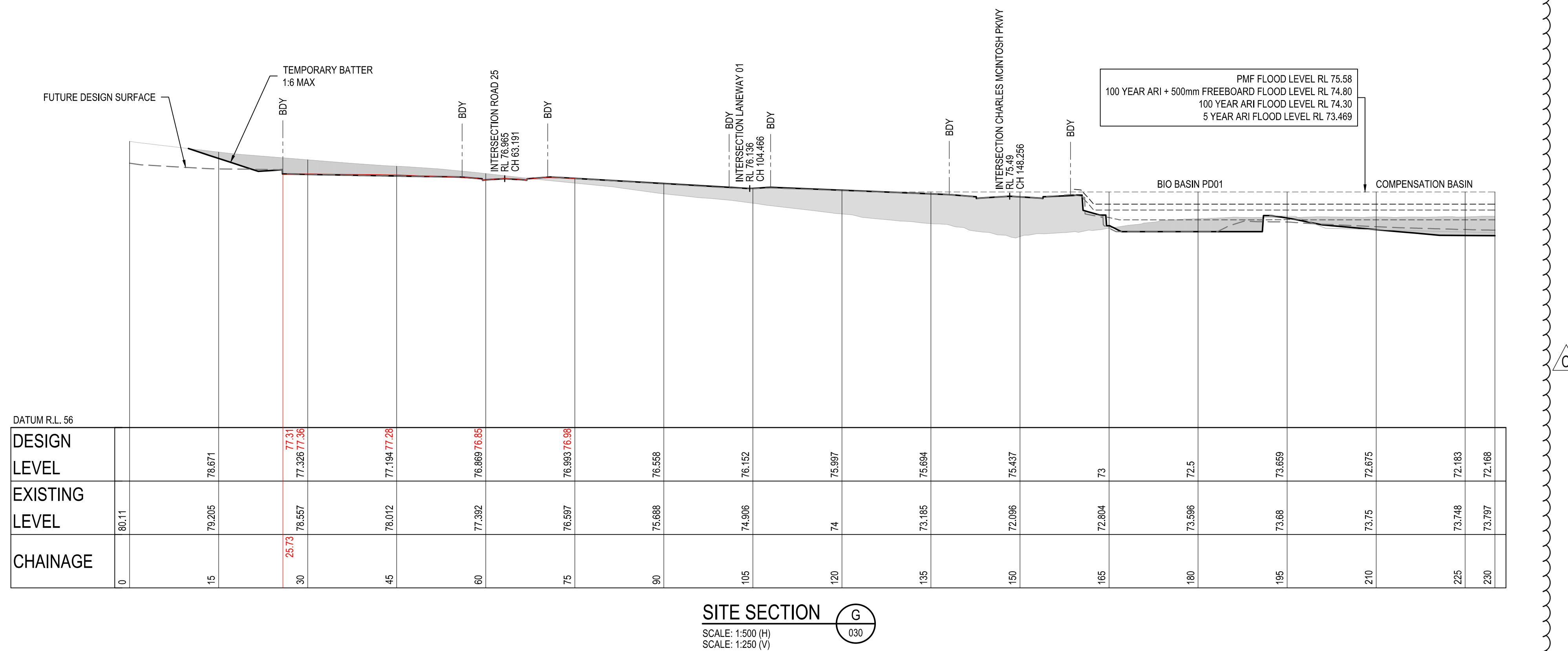
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DATE: 15/09/2025



REGISTERED SURVEYOR ID: 8890

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Title: SITE REGRADING SECTIONS SHEET 03				
Project No.	Set No.	Milestone	Plan	Revision
23-0579	01	SWC	052	C

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Scale:

0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (A3)

0 2.5 5 7.5 10 12.5 15 17.5 20 22.5 25
SCALE 1:250 (A1) SCALE 1:500 (A3)

For:



mirvac

By: **ORION**

 **JAS-ANZ**



ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

Project: 591, 593 COBBITTY ROAD &
1 FRESHWATER DRIVE, COBBITTY
(PRECINCT 2A STAGE 1 &
TRANCHE 5a STAGE 1)
ROAD & DRAINAGE DESIGN

- REFER TO SHEETS SWC 711 - 721 FOR RETAINING WALL PROFILES AND SETOUT TABLES

FINISHED DESIGN SURFACE LEVEL	_____
EXISTING SURFACE	_____
EXISTING LOT BOUNDARY	_____
5 YEAR ARI FLOOD LEVEL	_____
100 YEAR ARI FLOOD LEVEL	_____
100 YR + 0.5M FREEBOARD	_____
PMF FLOOD LEVEL	_____
FILL AREA	_____
CUT AREA	_____

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ORION GROUP

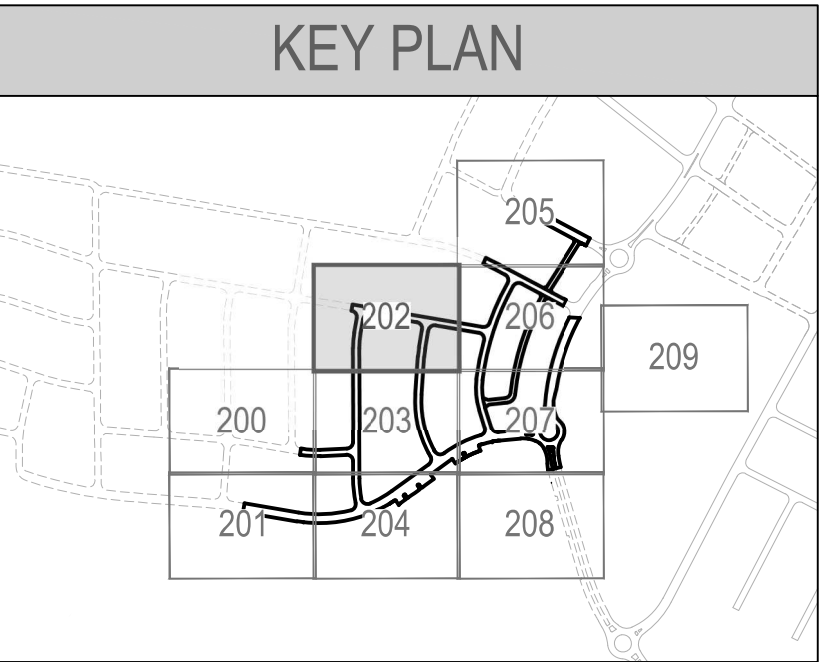
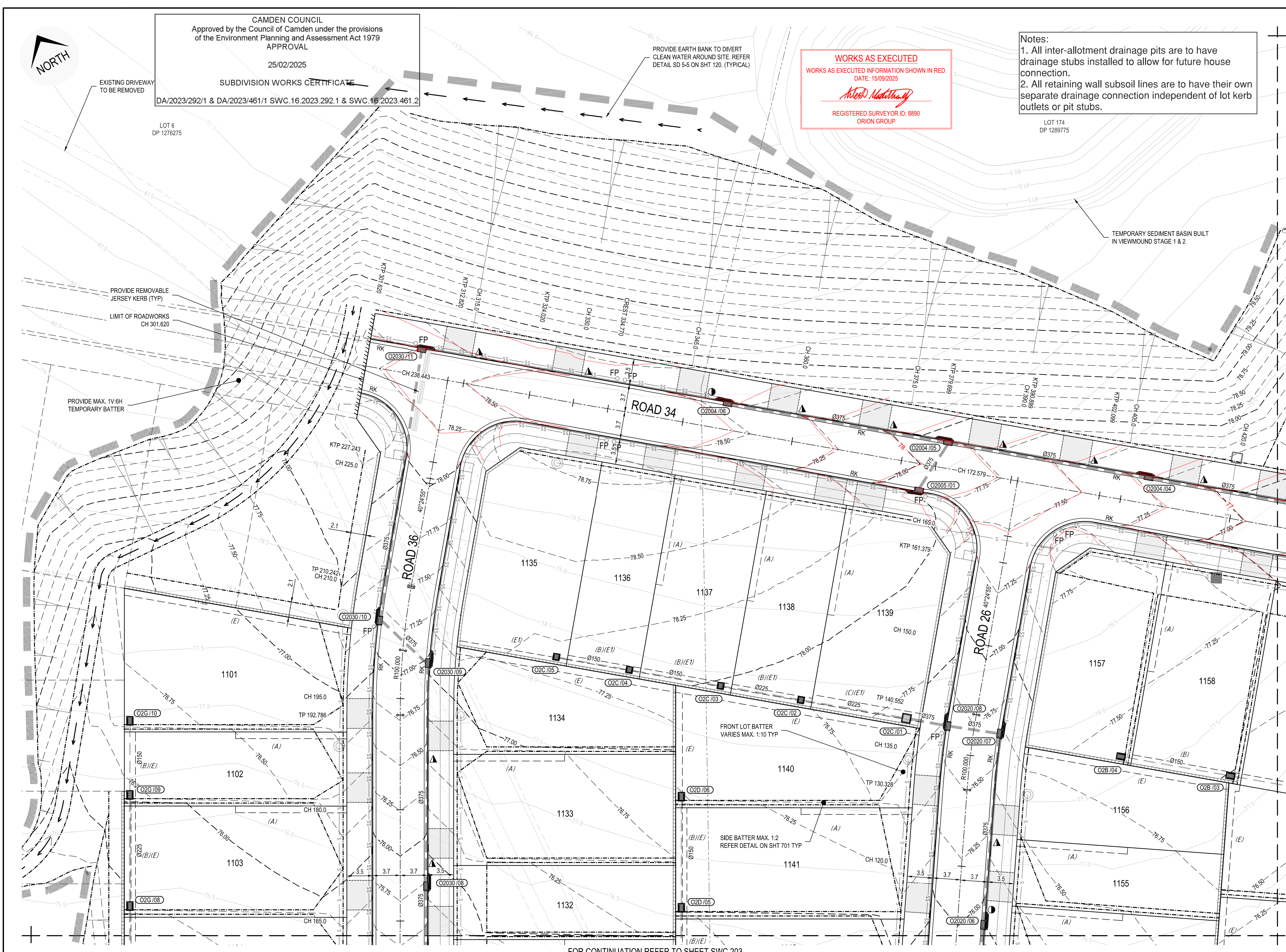


SCALE 1:500 (H)
SCALE 1:250 (V)

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APPROVAL
25/02/2025
SUBDIVISION WORKS CERTIFICATE
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

[illegible]



NOTE:
REFER SHEETS SWC 700 - 710 FOR LOT BENCHING AND RETAINING WALL DETAILS.

LEGEND	
LIMIT OF WORKS BOUNDARY	
POST DEVELOPED PMF	
POST DEVELOPED FPL	
POST DEVELOPED 100YR FLOOD LEVEL	
POST DEVELOPED 20YR FLOOD LEVEL	
POST DEVELOPED 5YR FLOOD LEVEL	
DENOTES ROOF WATER CONNECTION TO KERB, REFER COUNCIL STANDARD	
DENOTES ROOF WATER CONNECTION TO REAR OF PIT, REFER COUNCIL STANDARD	
TYPE 1 - CONCRETE SLEEPER	
TYPE 2 - MASONRY BLOCK	
TYPE 3 - CONCRETE SLEEPER (SANDSTONE LOOK)	
TYPE 4 - TEMPORARY STACKED ROCK & TYPE 5 - SANDSTONE LOG	
PROPOSED SEWER	
1.2m HIGH POST AND RAIL FENCING	
EXISTING STORMWATER CONSTRUCTED UNDER SEPARATE DA TO BE DEMOLISHED OR DECOMMISSIONED	

EASEMENTS	
(A)	EASEMENT FOR SUPPORT, ACCESS & MAINTENANCE 0.9 WIDE
(B)	EASEMENT FOR DRAINAGE OF WATER 1.5 WIDE
(C)	EASEMENT FOR DRAINAGE OF WATER 2.0 WIDE
(E)	EASEMENT FOR SUPPORT, ACCESS & MAINTENANCE 0.9 WIDE (RETAINING WALLS)
(E')	EASEMENT FOR SUPPORT OVER RETAINING WALL 0.9 WIDE

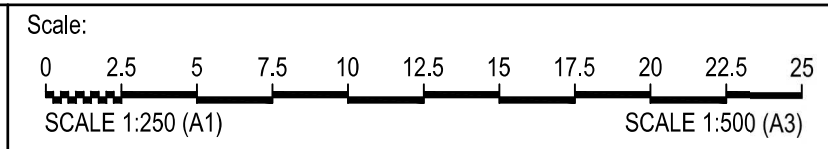
UTILITIES SHOWN ARE DIAGRAMMATIC ONLY AND MAY NOT INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS.
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES/STANDARDS.



*PRAM RAMP CHANGED TO SQUARE WINGS

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
C	LMc	LMc	TA	TA	22/01/2025	AMENDED TO SUIT COUNCIL COMMENTS
B	WP	LMc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS
A	RL	LMc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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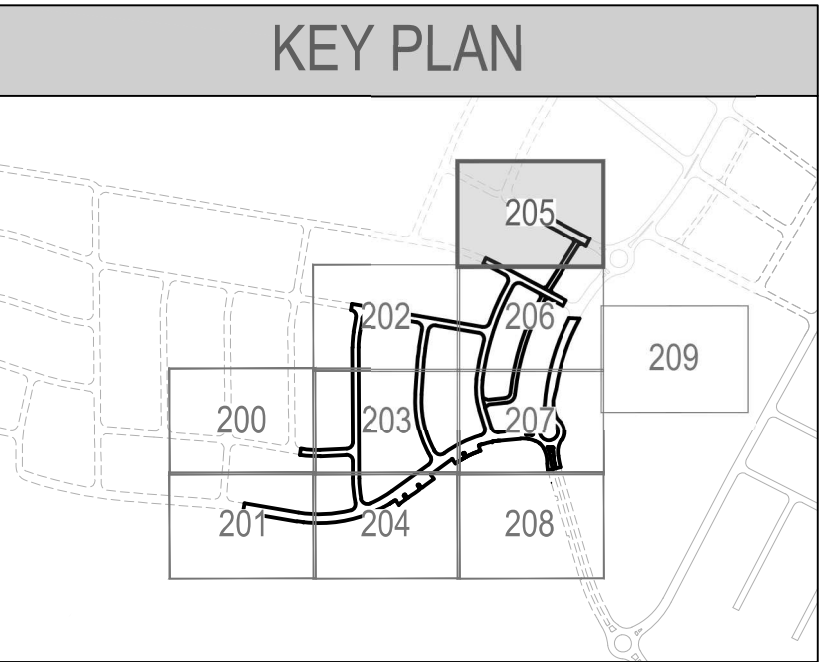
Project: 591, 593 COBBITTY ROAD & 1 FRESHWATER DRIVE, COBBITTY (PRECINCT 2A STAGE 1 & TRANCHE 5a STAGE 1) ROAD & DRAINAGE DESIGN

ENGINEERING PLAN SHEET 03	
Project No. 23-0579	Set No. 01
Milestone SWC	Plan 202
Revision C	



WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025
Mark Mathias
REGISTERED SURVEYOR ID: 8890
ORION GROUP

CAMDEN COUNCIL
Approved by the Council of Camden under the provisions
of the Environment Planning and Assessment Act 1979
APPROVAL
25/02/2025
SUBDIVISION WORKS CERTIFICATE
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2



NOTE:
- REFER SHEETS SWC 700 - 710 FOR LOT BENCHING
AND RETAINING WALL DETAILS.

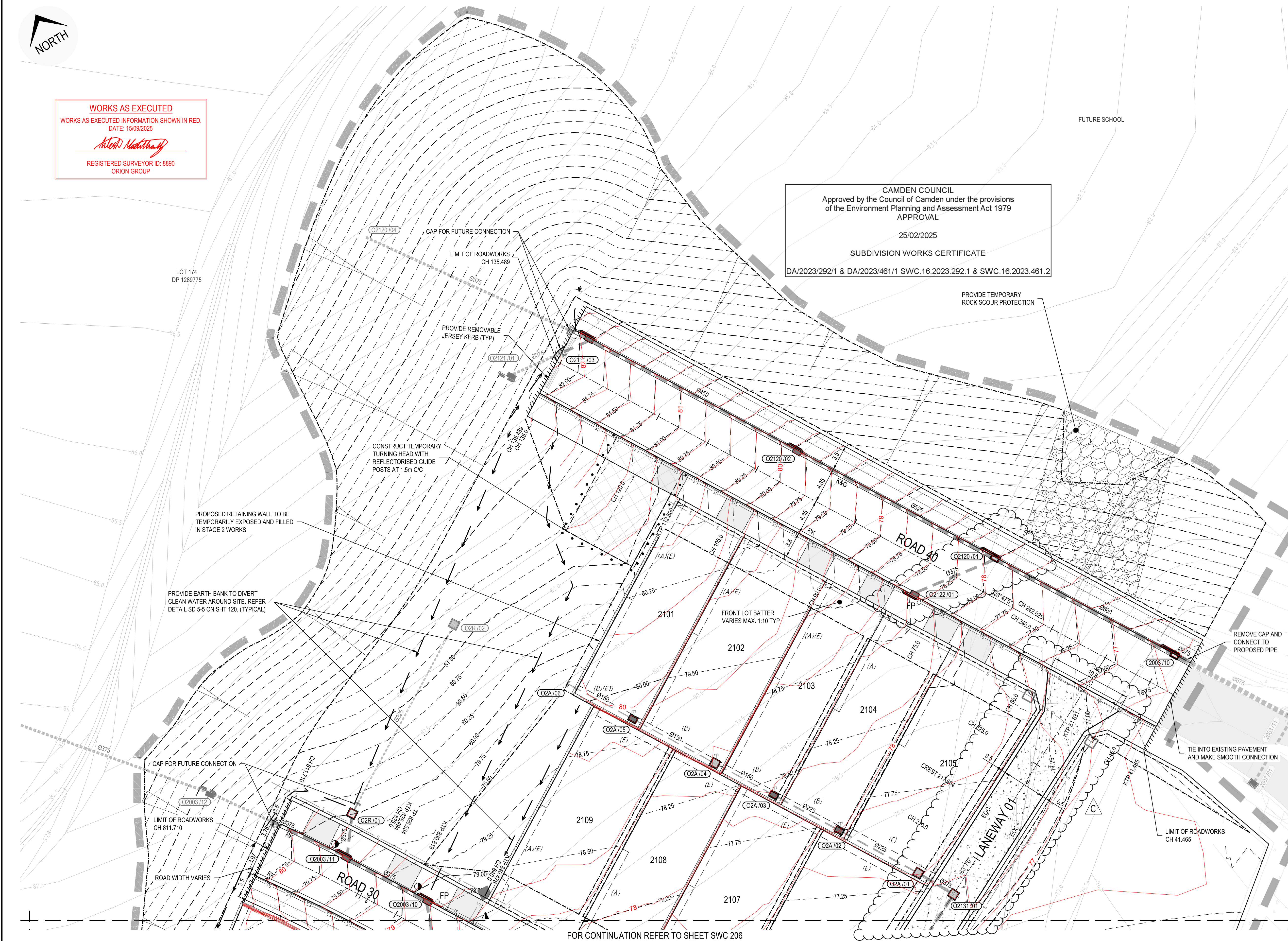
LEGEND	
LIMIT OF WORKS BOUNDARY	---
POST DEVELOPED PMF	---
POST DEVELOPED FPL	---
POST DEVELOPED 100YR FLOOD LEVEL	---
POST DEVELOPED 20YR FLOOD LEVEL	---
POST DEVELOPED 5YR FLOOD LEVEL	---
DENOTES ROOF WATER CONNECTION TO KERB. REFER COUNCIL STANDARD	▲
DENOTES ROOF WATER CONNECTION TO REAR OF PIT. REFER COUNCIL STANDARD	●
TYPE 1 - CONCRETE SLEEPER	=====
TYPE 2 - MASONRY BLOCK	=====
TYPE 3 - CONCRETE SLEEPER (SANDSTONE LOOK)	=====
TYPE 4 - TEMPORARY STACKED ROCK & TYPE 5 - SANDSTONE LOG	=====
PROPOSED SEWER	S
1.2m HIGH POST AND RAIL FENCING	+
STUB FOR CONNECTION	T
EXISTING STORMWATER CONSTRUCTED UNDER SEPARATE DA TO BE DEMOLISHED OR DECOMMISSIONED	---

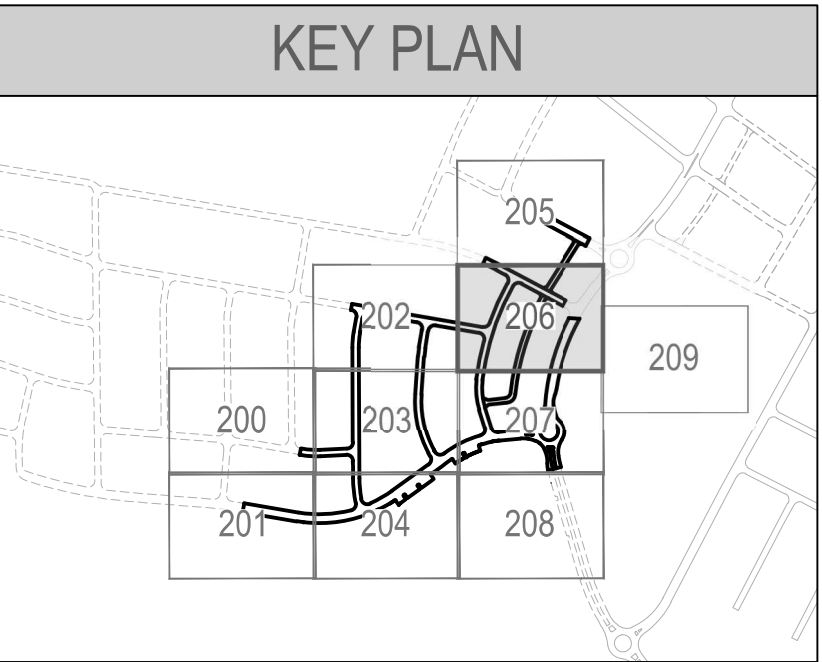
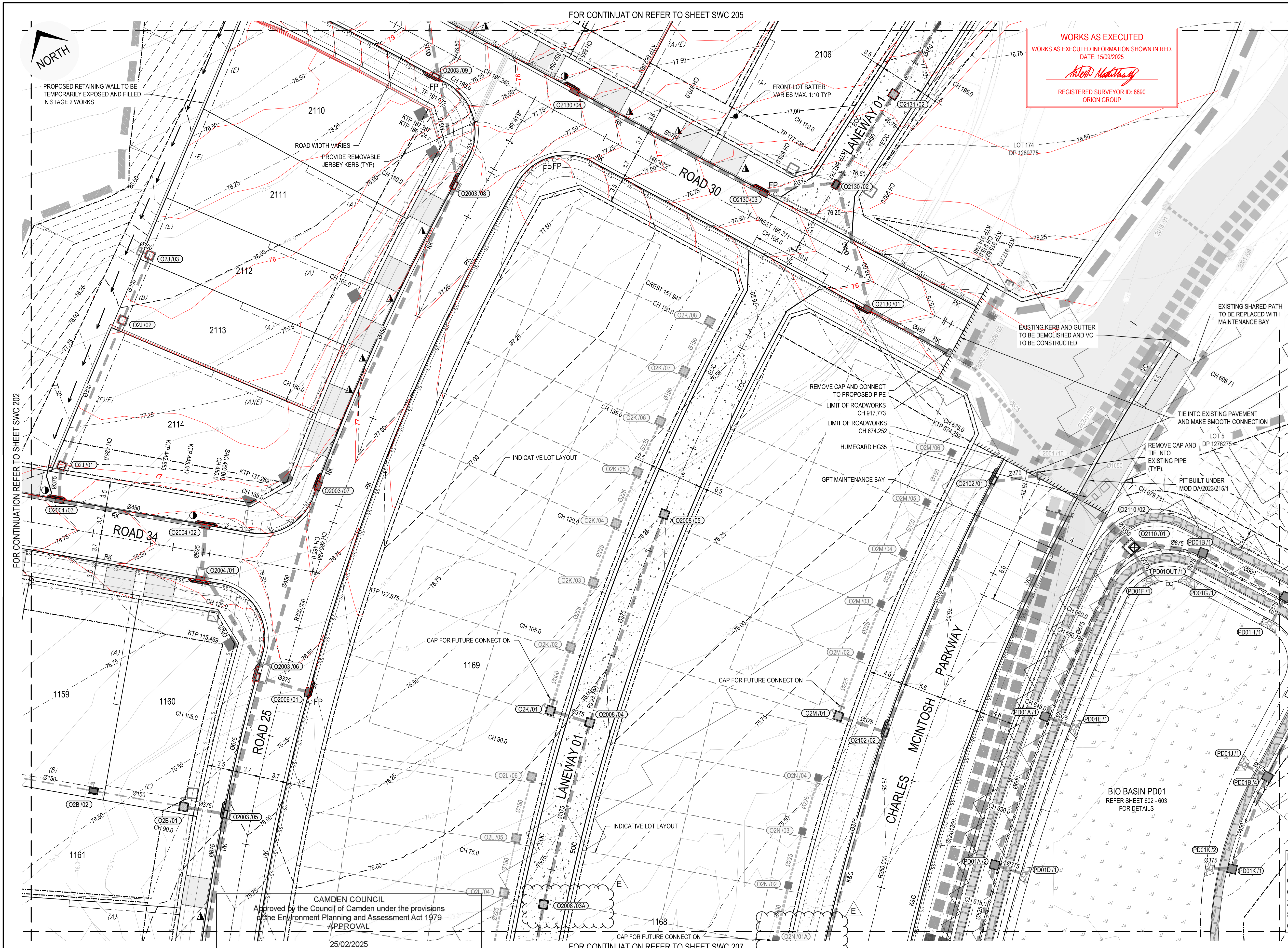
EASEMENTS	
(A)	EASEMENT FOR SUPPORT, ACCESS & MAINTENANCE 0.9 WIDE
(B)	EASEMENT FOR DRAINAGE OF WATER 1.5 WIDE
(C)	EASEMENT FOR DRAINAGE OF WATER 2.0 WIDE
(E)	EASEMENT FOR SUPPORT, ACCESS & MAINTENANCE 0.9 WIDE (RETAINING WALLS)
(E1)	EASEMENT FOR SUPPORT OVER RETAINING WALL 0.9 WIDE

UTILITIES SHOWN ARE DIAGRAMMATIC ONLY AND MAY NOT
INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS.
IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY,
LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY
EACH UTILITIES EXCAVATION GUIDE LINES/STANDARDS.



Notes:
1. All inter-allotment drainage pits are to have
drainage stubs installed to allow for future house
connection.
2. All retaining wall subsoil lines are to have their own
separate drainage connection independent of lot kerb
outlets or pit stubs.





NOTE:
- REFER SHEETS SWC 700 - 710 FOR LOT BENCHING AND RETAINING WALL DETAILS.

LEGEND	
LIMIT OF WORKS BOUNDARY	---
POST DEVELOPED PMF	---
POST DEVELOPED FPL	---
POST DEVELOPED 100YR FLOOD LEVEL	---
POST DEVELOPED 20YR FLOOD LEVEL	---
POST DEVELOPED 5YR FLOOD LEVEL	---
DENOTES ROOF WATER CONNECTION TO KERB. REFER COUNCIL STANDARD	▲
DENOTES ROOF WATER CONNECTION TO REAR OF PIT. REFER COUNCIL STANDARD	●
TYPE 1 - CONCRETE SLEEPER	=====
TYPE 2 - MASONRY BLOCK	=====
TYPE 3 - CONCRETE SLEEPER (SANDSTONE LOOK)	=====
TYPE 4 - TEMPORARY STACKED ROCK & TYPE 5 - SANDSTONE LOG	=====
PROPOSED SEWER	—S—
1.2m HIGH POST AND RAIL FENCING	—+—+—+—
STUB FOR CONNECTION	T
EXISTING STORMWATER CONSTRUCTED UNDER SEPARATE DA TO BE DEMOLISHED OR DECOMMISSIONED	—P—

EASEMENTS	
(A)	EASEMENT FOR SUPPORT, ACCESS & MAINTENANCE 0.9 WIDE
(B)	EASEMENT FOR DRAINAGE OF WATER 1.5 WIDE
(C)	EASEMENT FOR DRAINAGE OF WATER 2.0 WIDE
(E)	EASEMENT FOR SUPPORT, ACCESS & MAINTENANCE 0.9 WIDE (RETAINING WALLS)
(E1)	EASEMENT FOR SUPPORT OVER RETAINING WALL 0.9 WIDE

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Notes:
1. All inter-allotment drainage pits are to have drainage stubs installed to allow for future house connection.
2. All retaining wall subsoil lines are to have their own separate drainage connection independent of lot kerb outlets or pit stubs.

SUBDIVISION WORKS CERTIFICATE	
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2	
Rev	Drawn Design Check Appd. Date
E	LMc LMc MP MP 20/02/2025
D	WP LMc MP MP 10/02/2025
C	LMc LMc TA TA 22/01/2025
B	WP LMc MP MP 30/10/2024
A	RL LMc MP MP 29/07/2024
Revision Description	
AMENDED TO SUIT COUNCIL COMMENTS	
AMENDED TO SUIT COUNCIL COMMENTS	
AMENDED TO SUIT COUNCIL COMMENTS	
AMENDED TO SUIT COUNCIL COMMENTS	
ISSUED FOR SUBDIVISION WORKS CERTIFICATE	

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Scale:
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SCALE 1:250 (A1)
SCALE 1:500 (A3)

FOR CONTINUATION REFER TO SHEET SWC 207



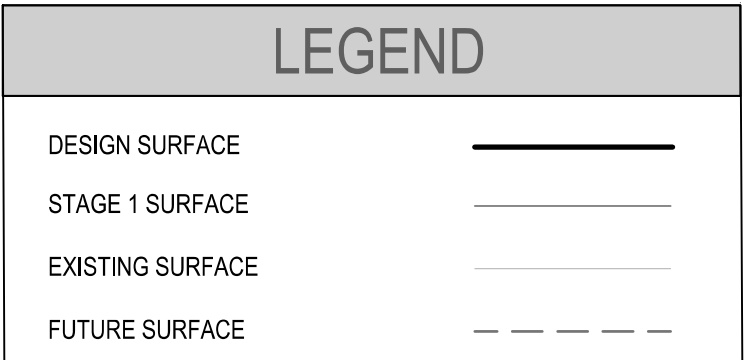
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

SUBDIVISION WORKS CERTIFICATE

Project:
591, 593 COBBITTY ROAD &
1 FRESHWATER DRIVE, COBBITTY
(PRECINCT 2A STAGE 1 &
TRANCHE 5a STAGE 1)
ROAD & DRAINAGE DESIGN

ENGINEERING PLAN
SHEET 07

Project No.	Set No.	Milestone	Plan	Revision
23-0579	01	SWC	206	E



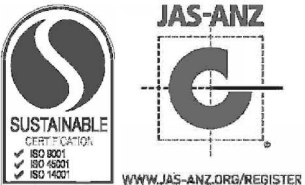
LONGITUDINAL SECTION - ROAD No 20
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SCALE 1:100 (V)



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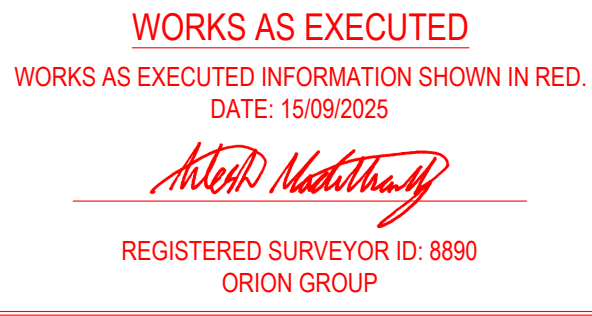


Project: 591, 593 COBBITTY ROAD &
1 FRESHWATER DRIVE, COBBITTY
(PRECINCT 2A STAGE 1 &
TRANCHE 5a STAGE 1)
ROAD & DRAINAGE DESIGN

ROAD LONGITUDINAL SECTIONS

SHEET 02

Project No.	Set No.	Milestone	Plan	Revision
23-0579	01	SWC	311	B



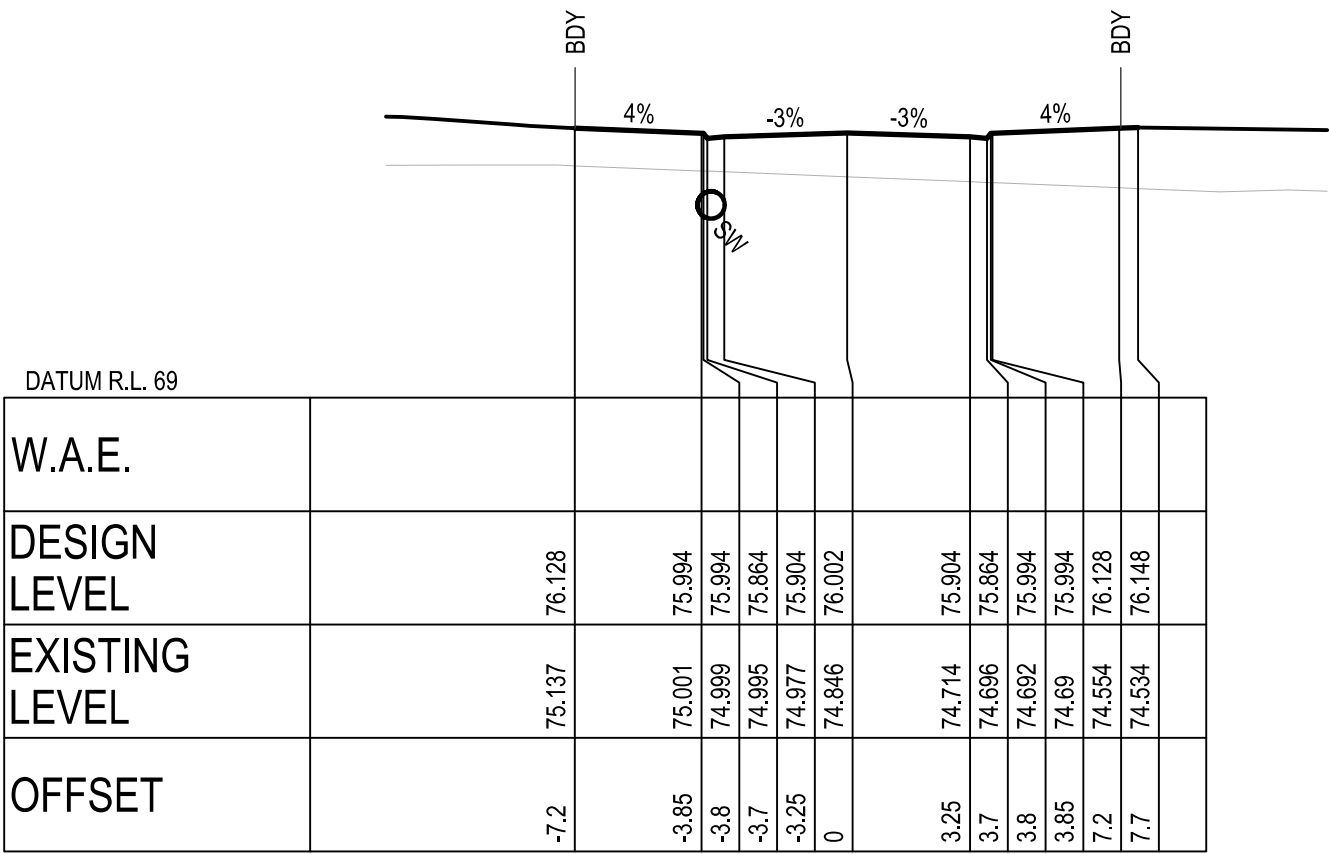
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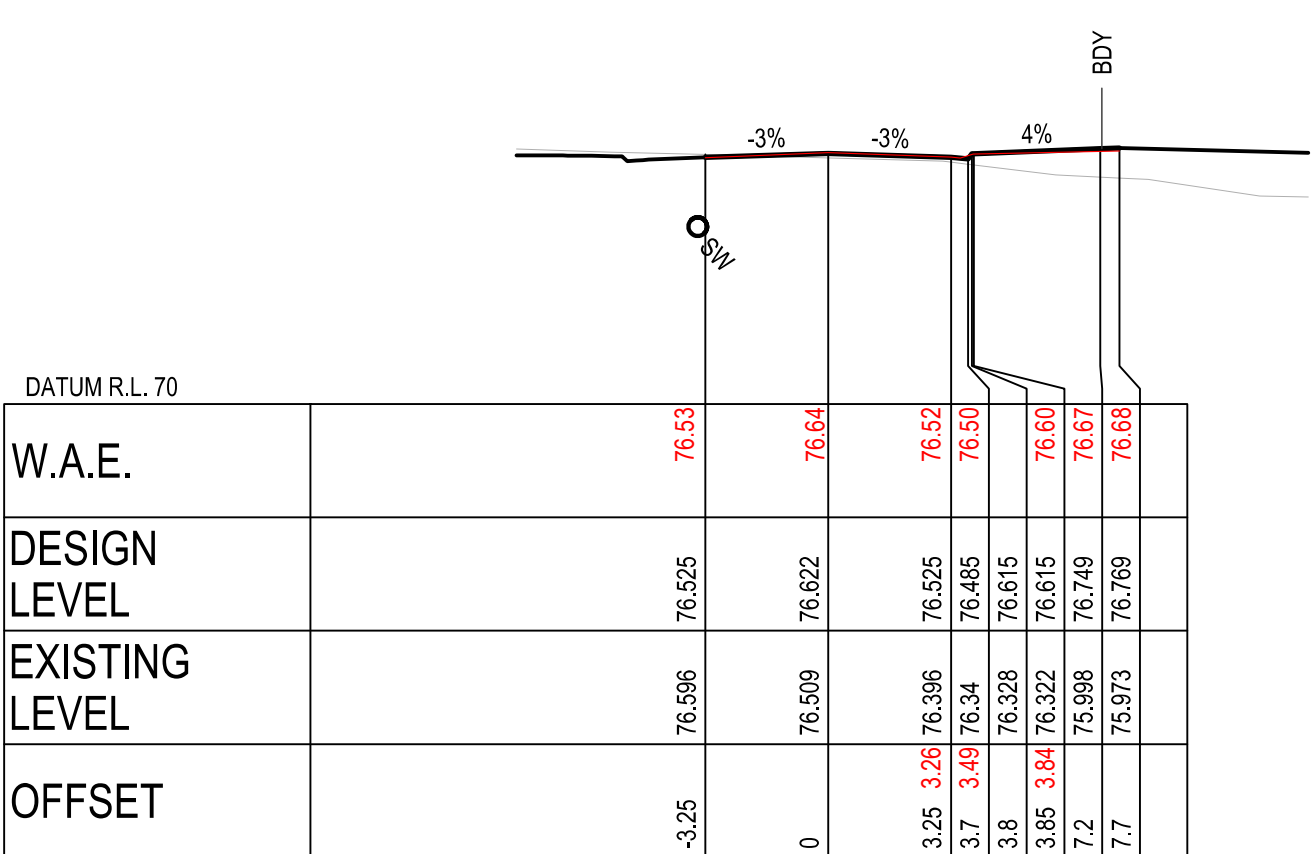
LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
INDICATIVE STORMWATER ALIGNMENT	

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025

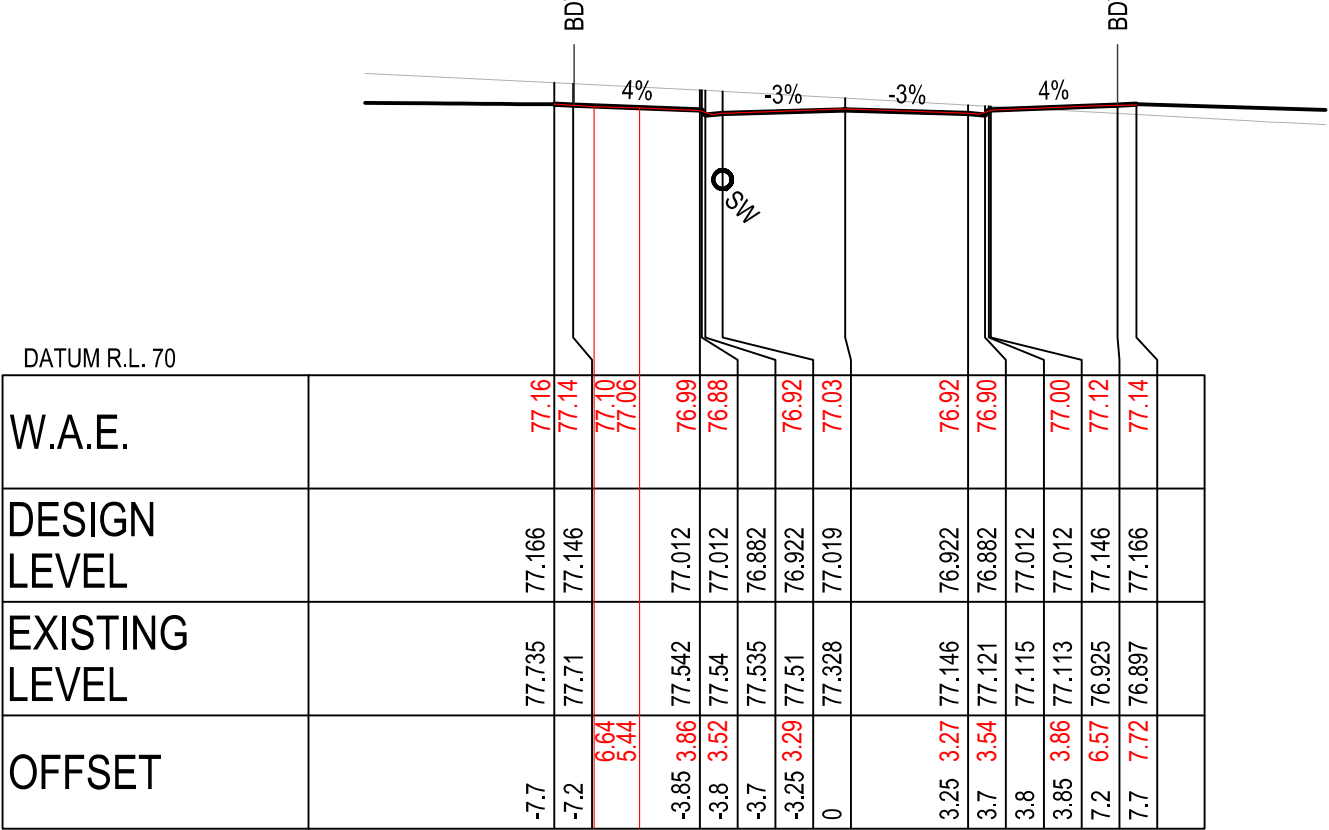
REGISTERED SURVEYOR ID: 8890
ORION GROUP



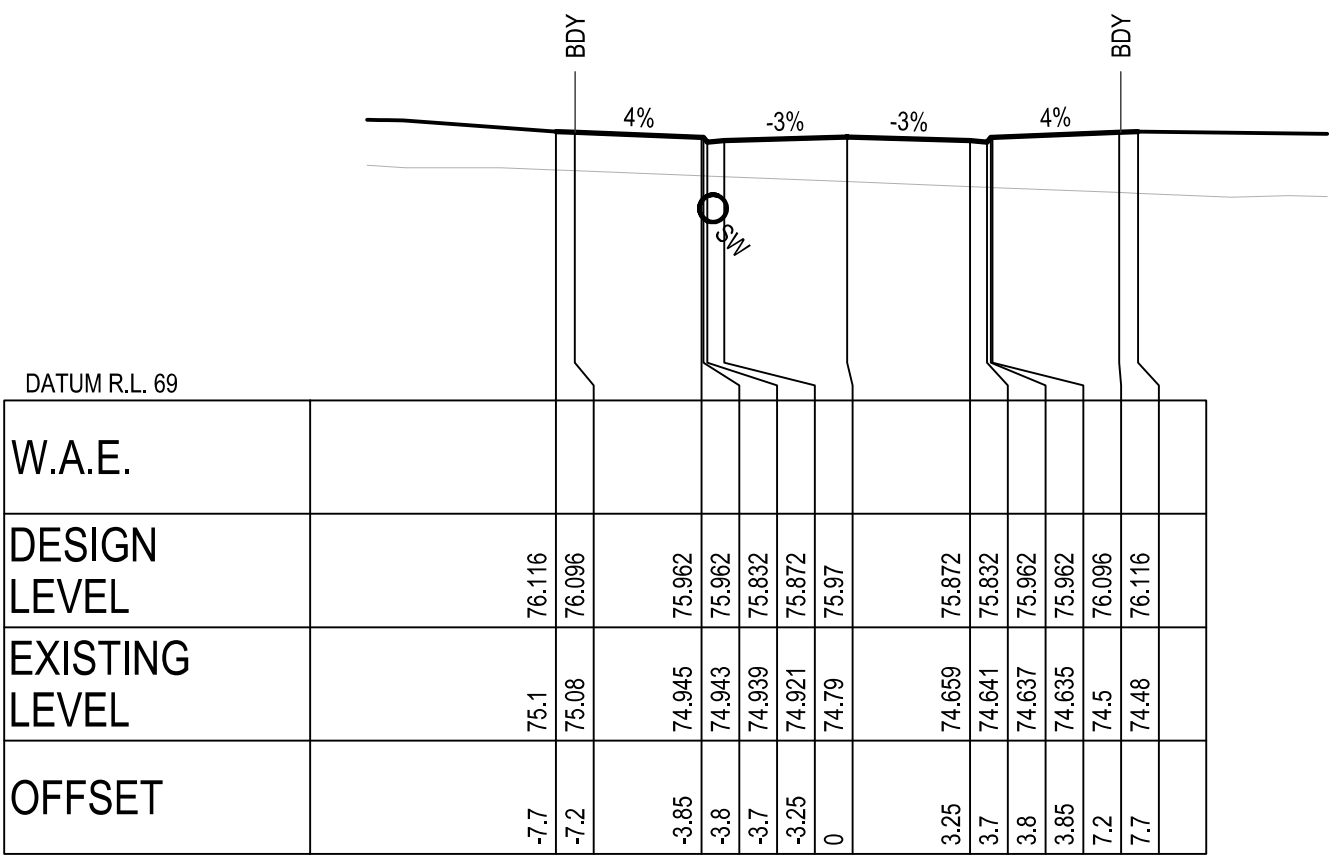
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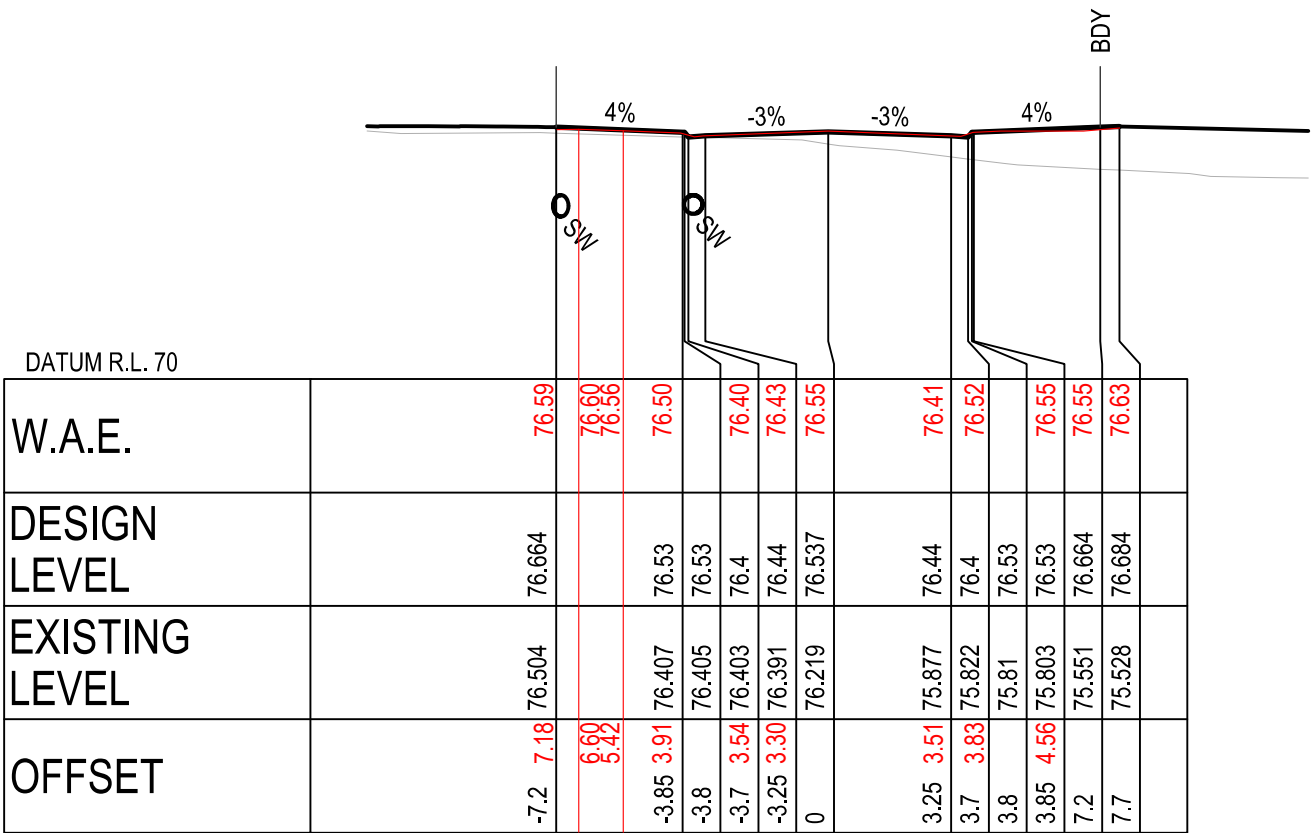
CH 120



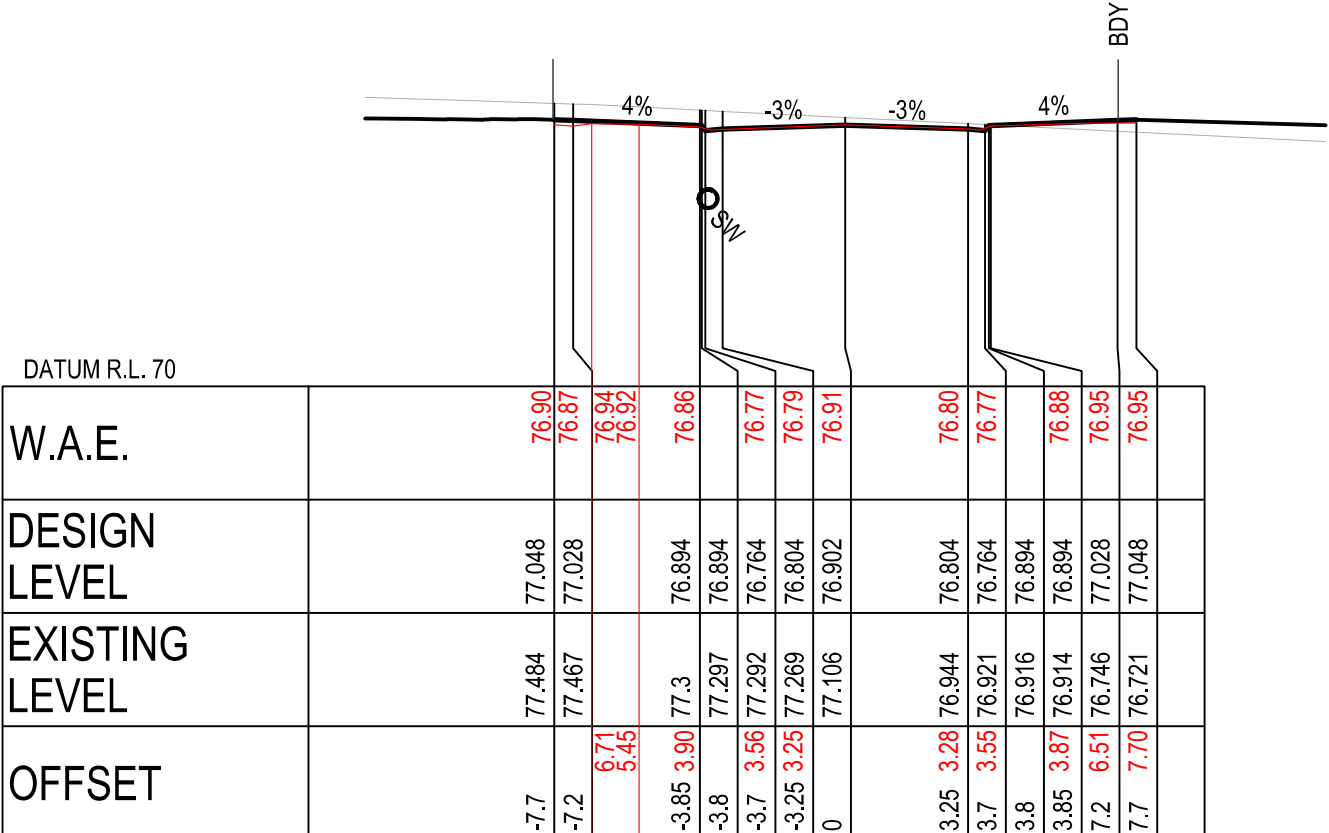
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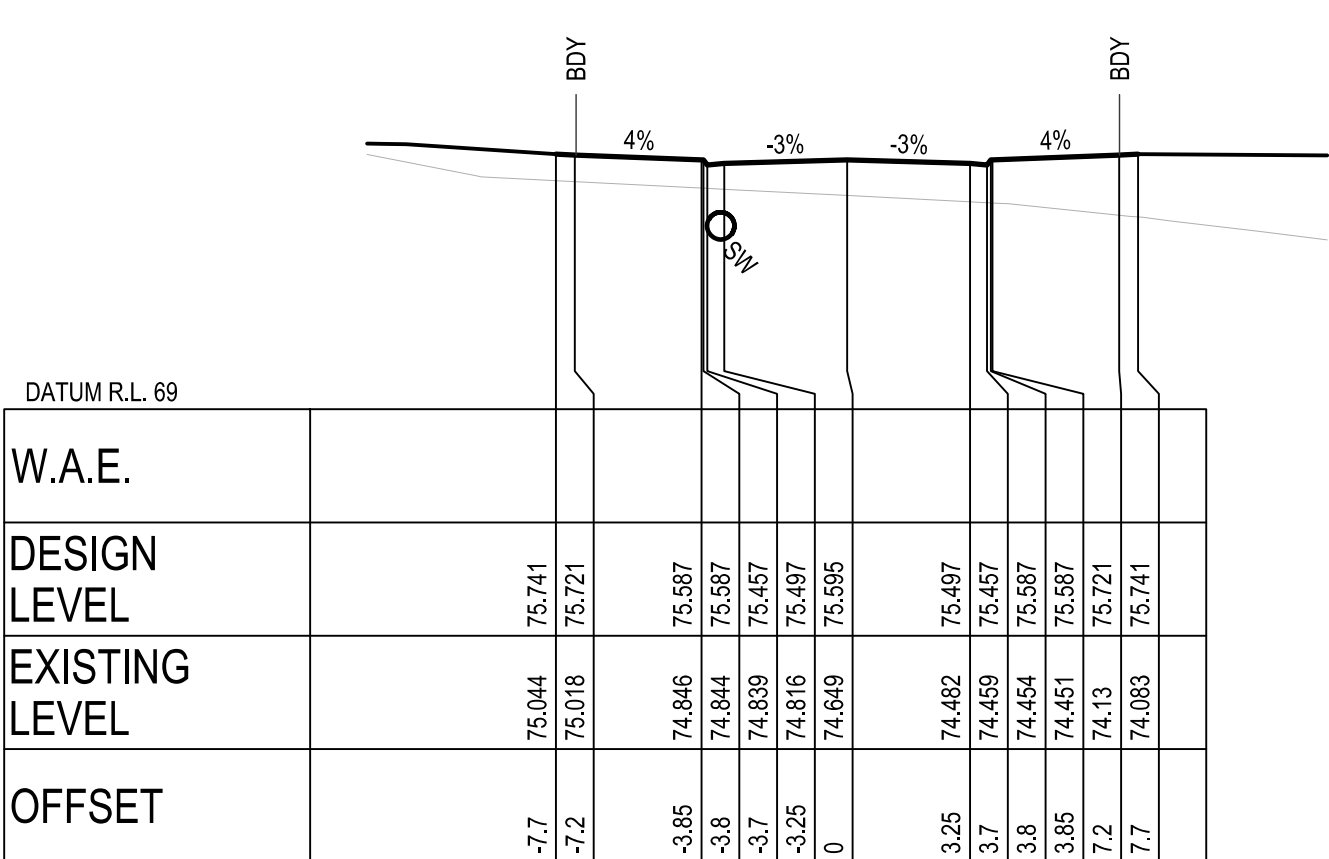
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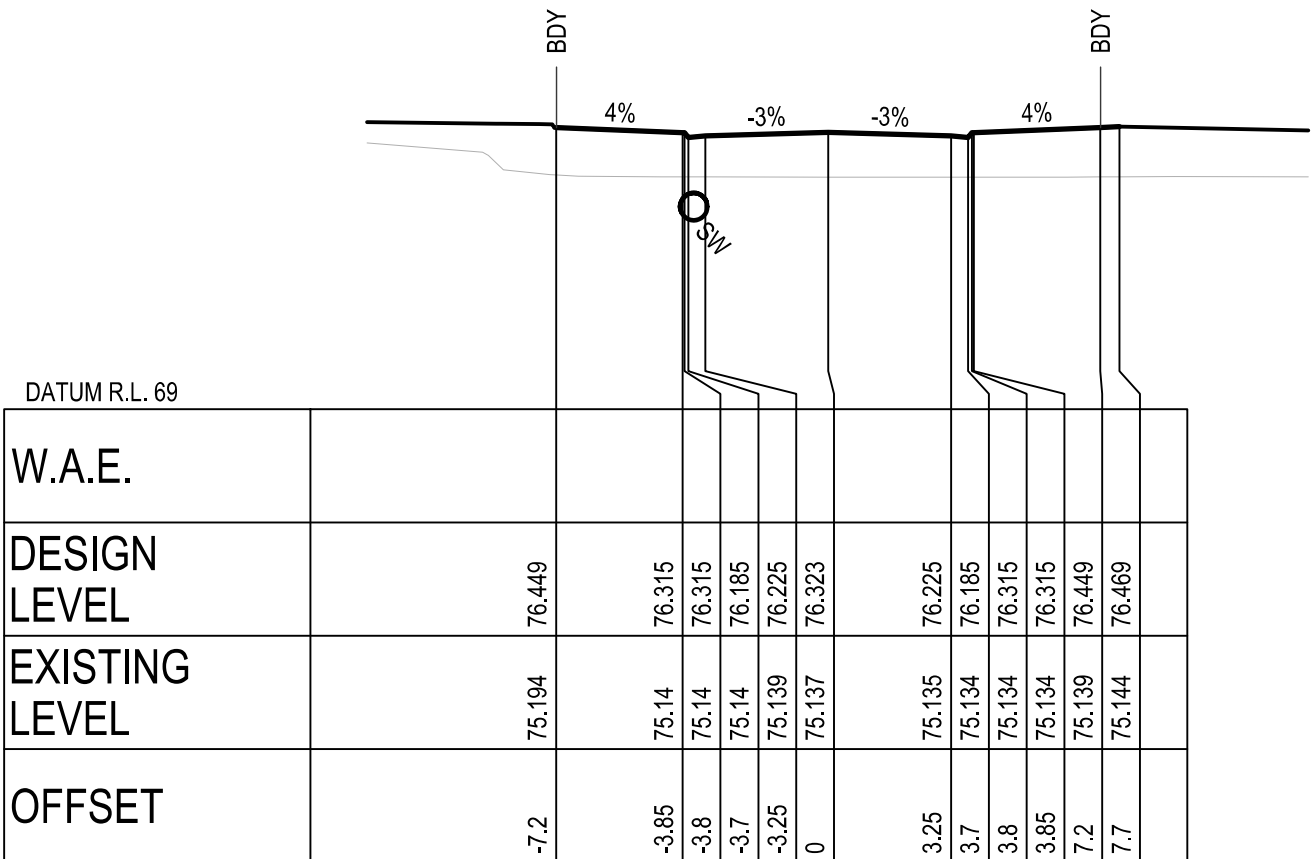
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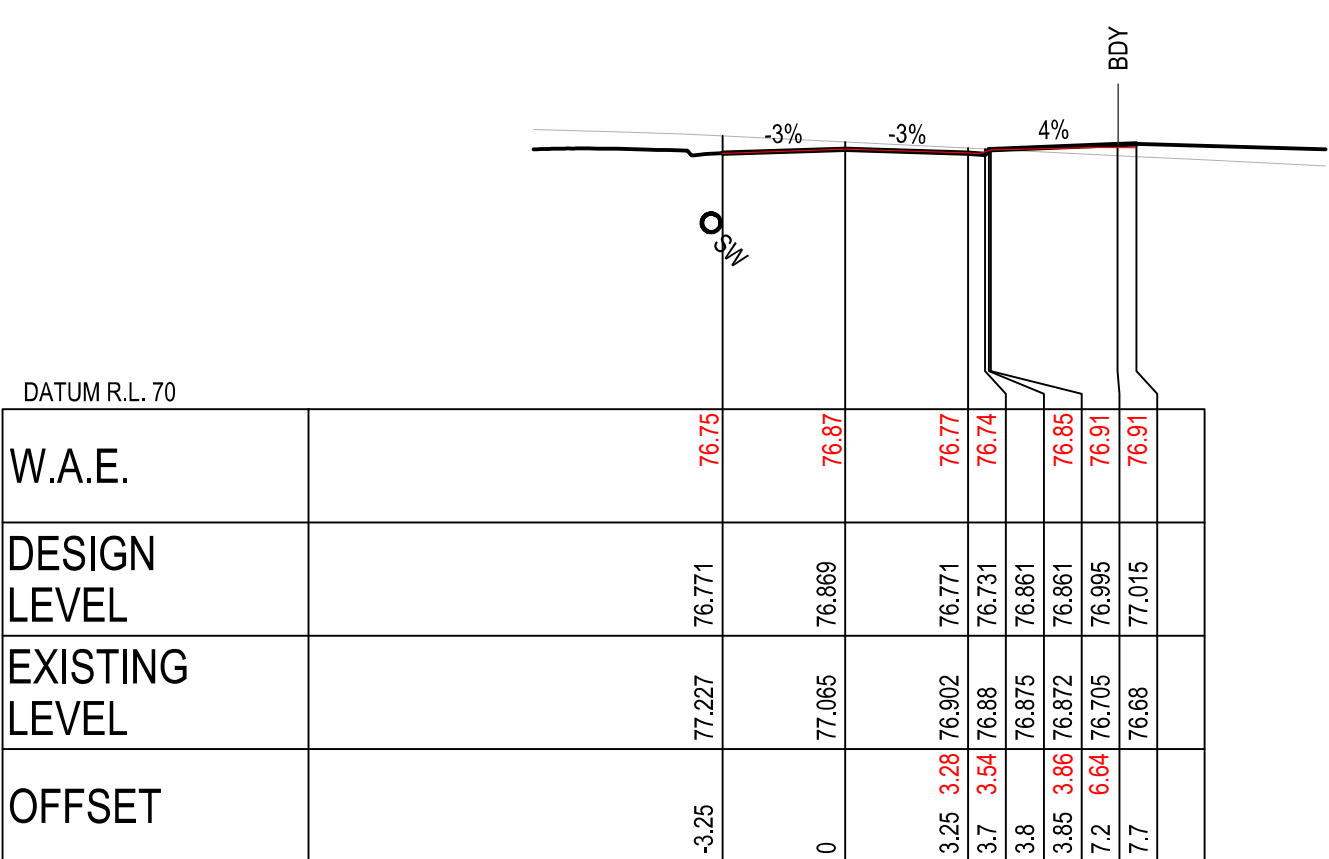
CH 137.269



CH 75



CH 105



CH 135

ROAD 25

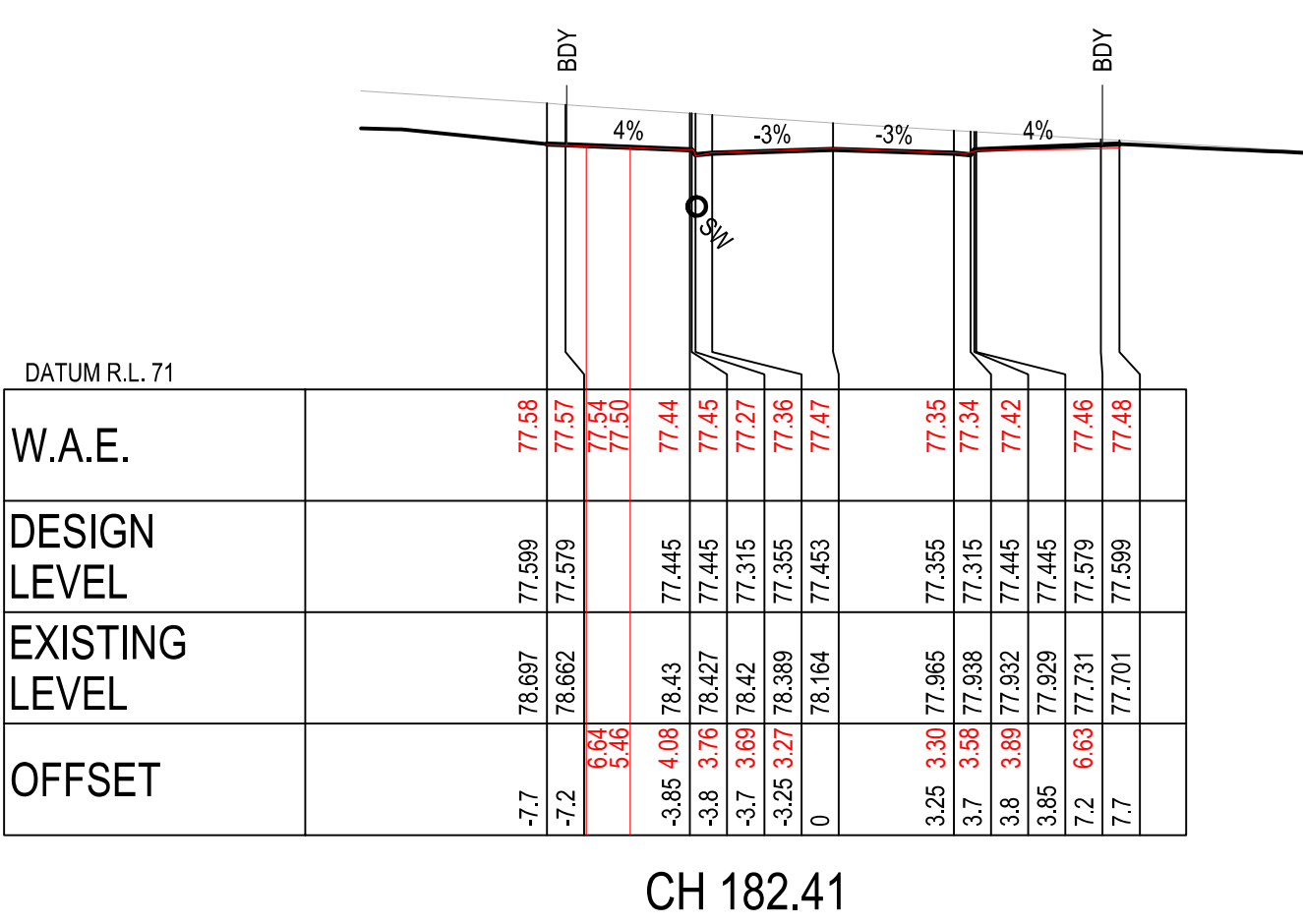
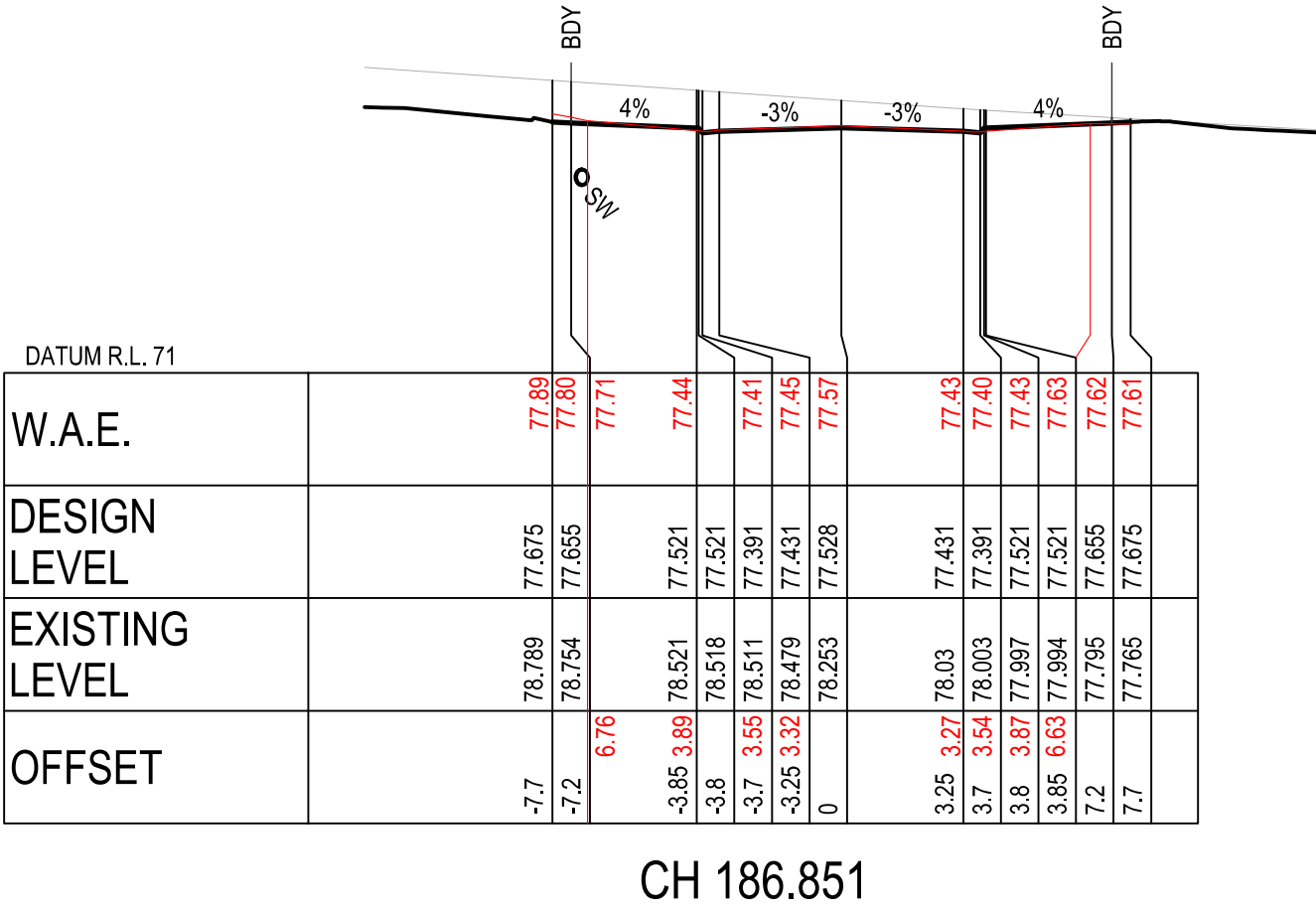
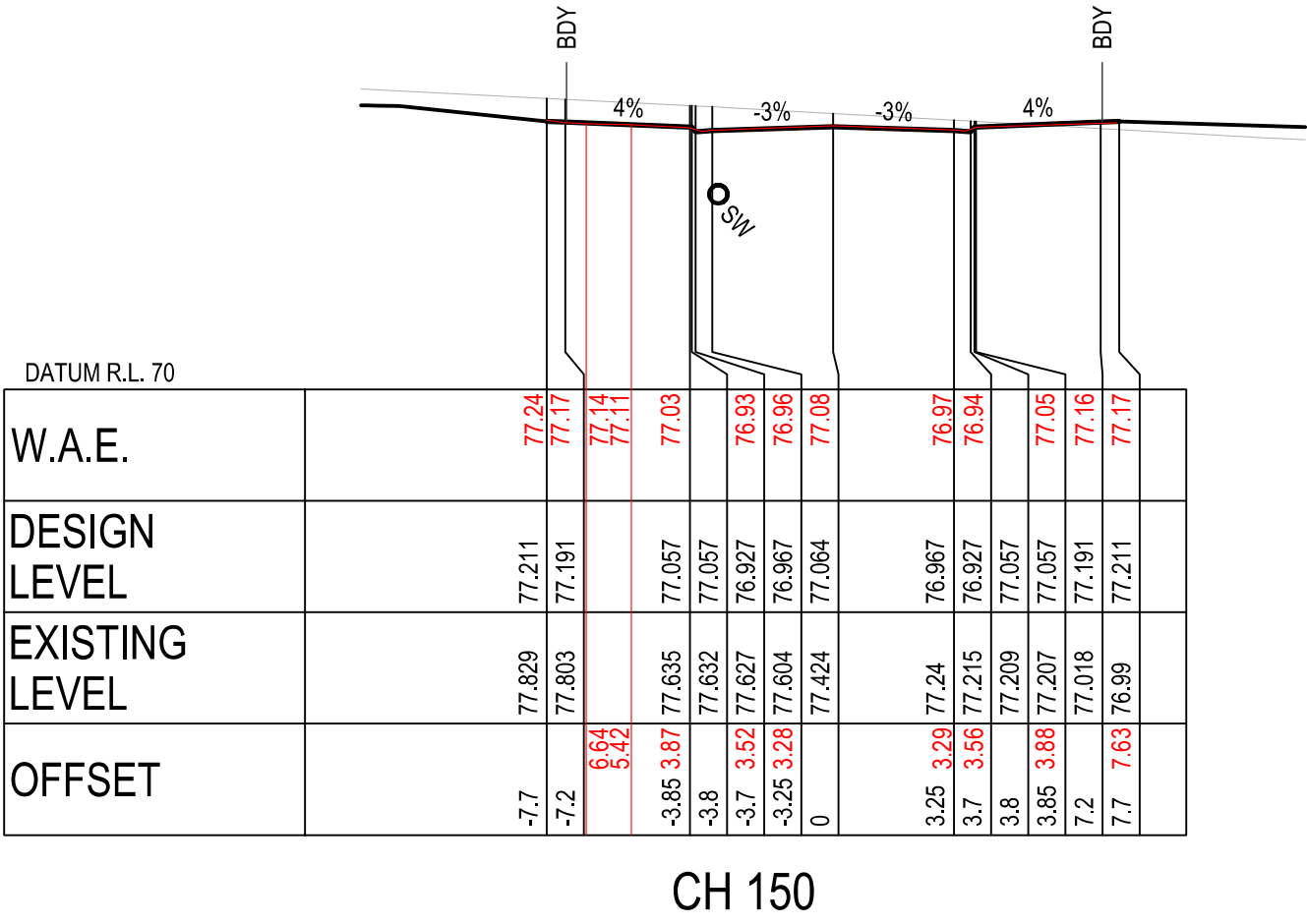
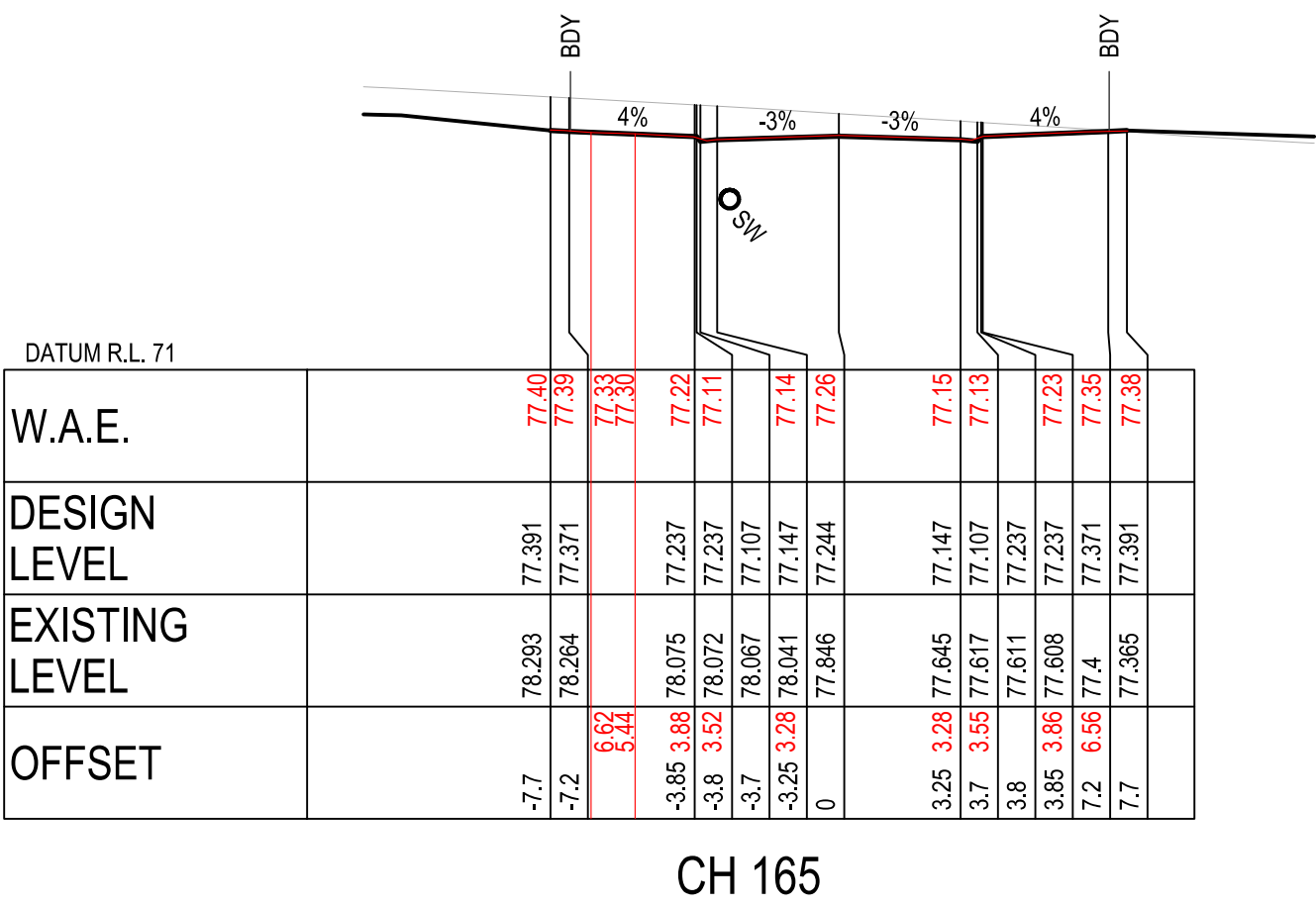
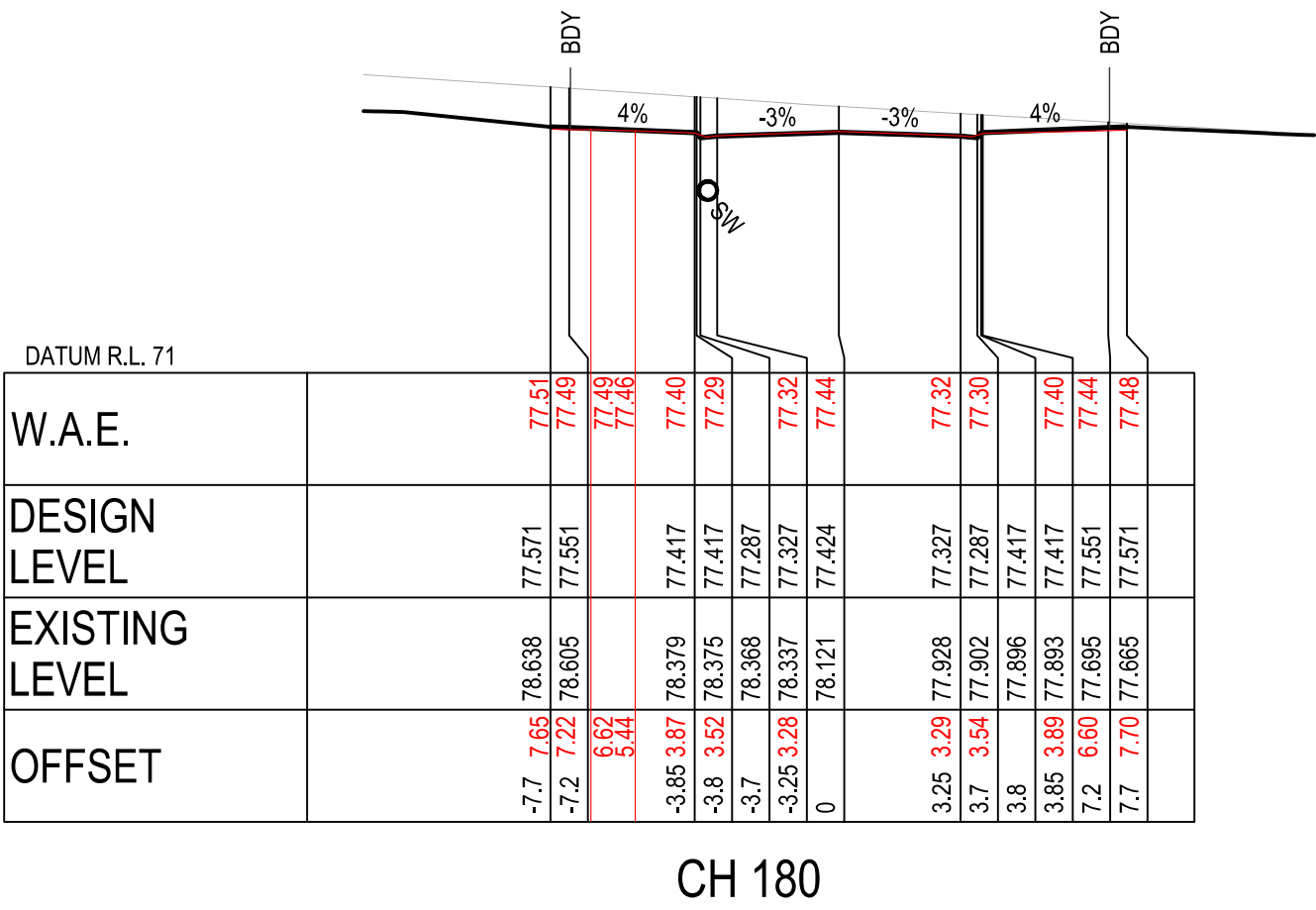
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B	WP	Lmc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS					
A	RL	Lmc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE					
Rev	Drawn	Design	Check	Appd.	Date	Revision Description	Project No.	Set No.	Milestone	Plan	Revision
							23-0579	01	SWC	360	B

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
INDICATIVE STORMWATER ALIGNMENT	

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025

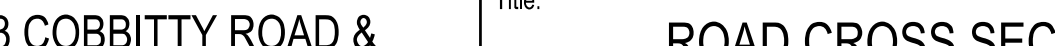
REGISTERED SURVEYOR ID: 8890
ORION GROUP



CAMDEN COUNCIL
Approved by the Council of Camden under the provisions
of the Environment Planning and Assessment Act 1979
APPROVAL
25/02/2025
SUBDIVISION WORKS CERTIFICATE
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2

ROAD 25

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B	WP	Lmc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS																																								
A	RL	Lmc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE																																								
Rev	Drawn	Design	Check	Appd.	Date	Revision Description																																								

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
INDICATIVE STORMWATER ALIGNMENT	

WORKS AS EXECUTED

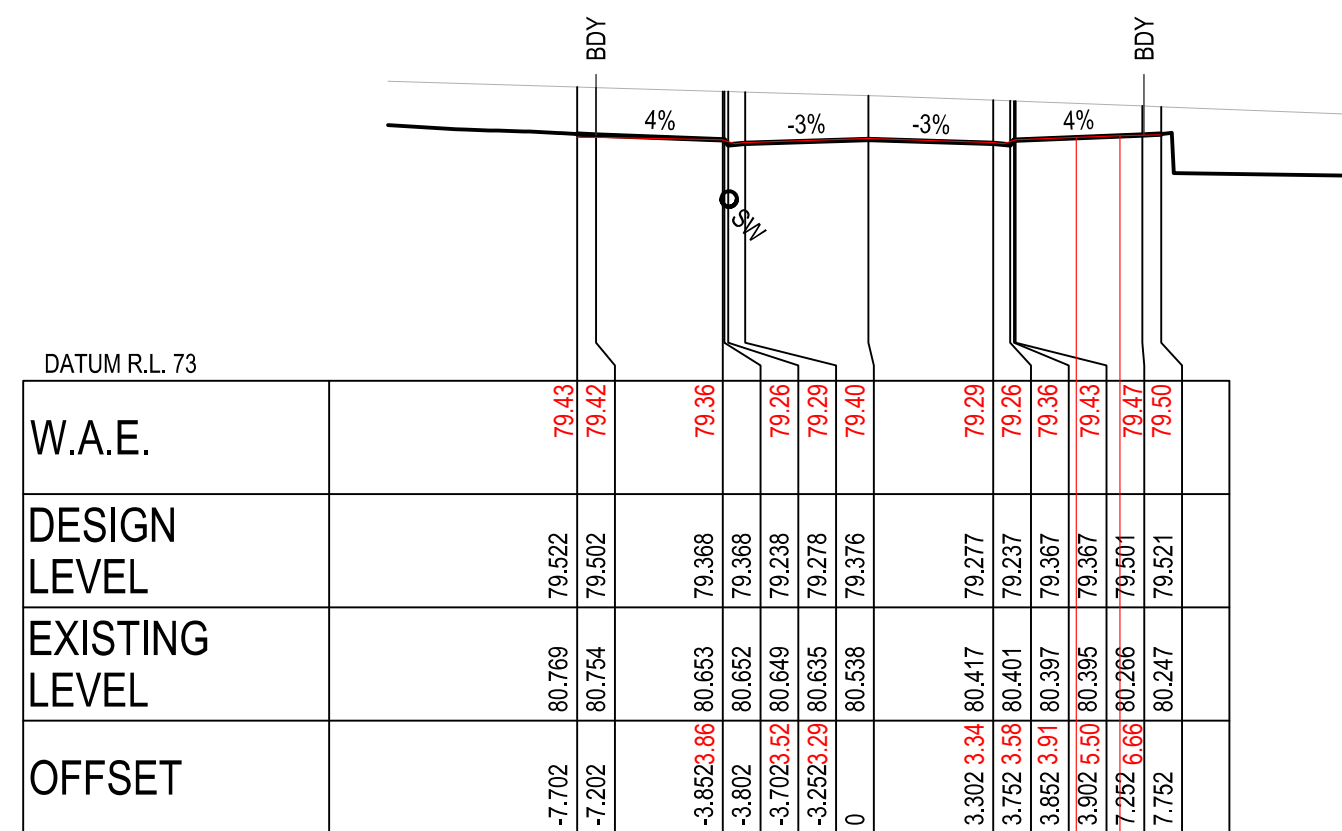
WORKS AS EXECUTED INFORMATION SHOWN IN RED.

DATE: 15/09/2025

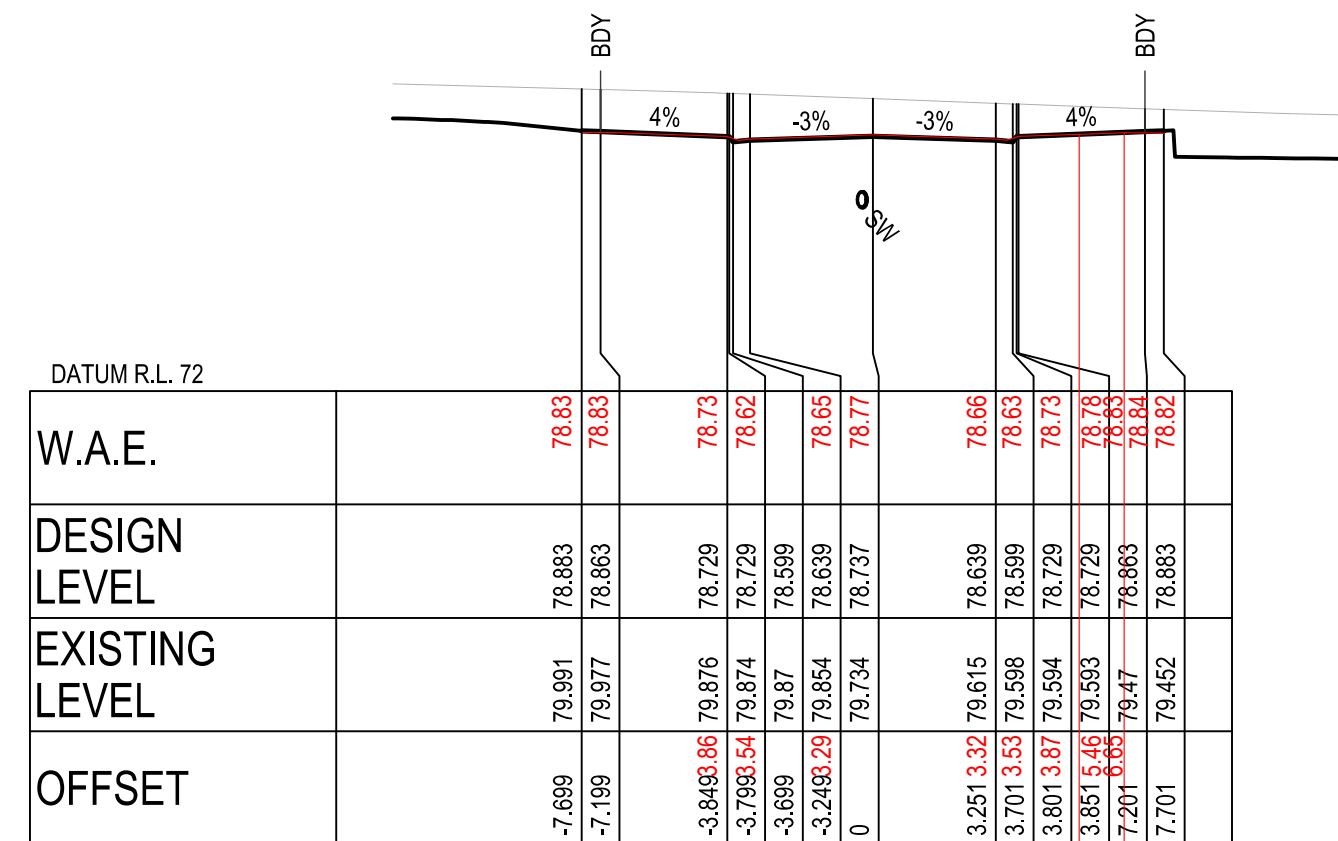


REGISTERED SURVEYOR ID: 8890

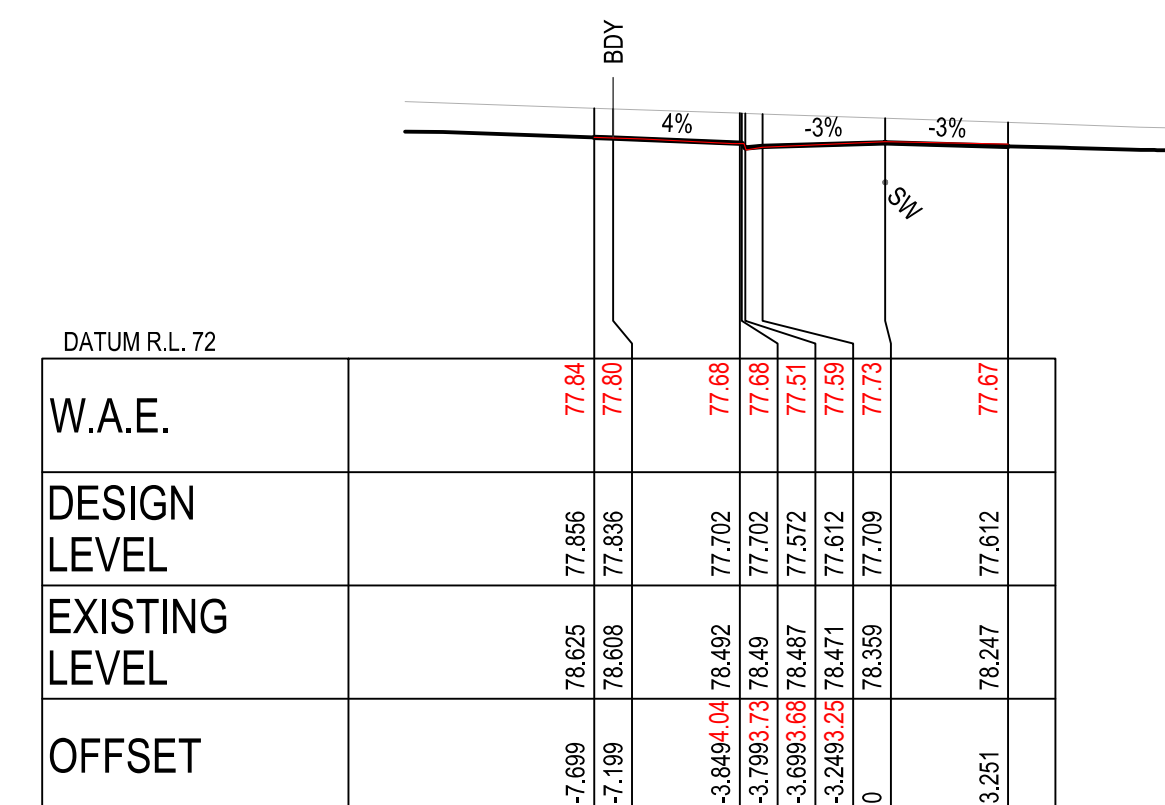
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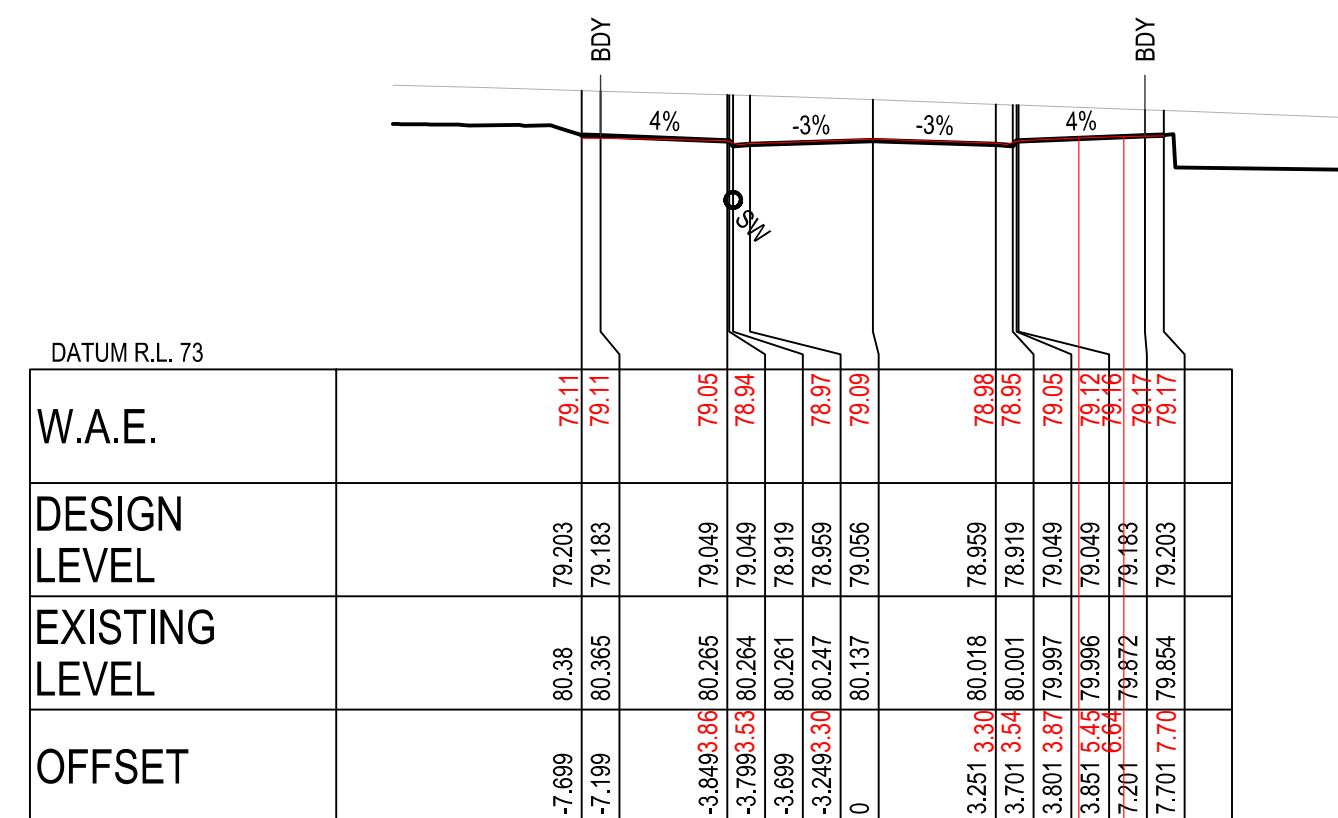
CH 825.494



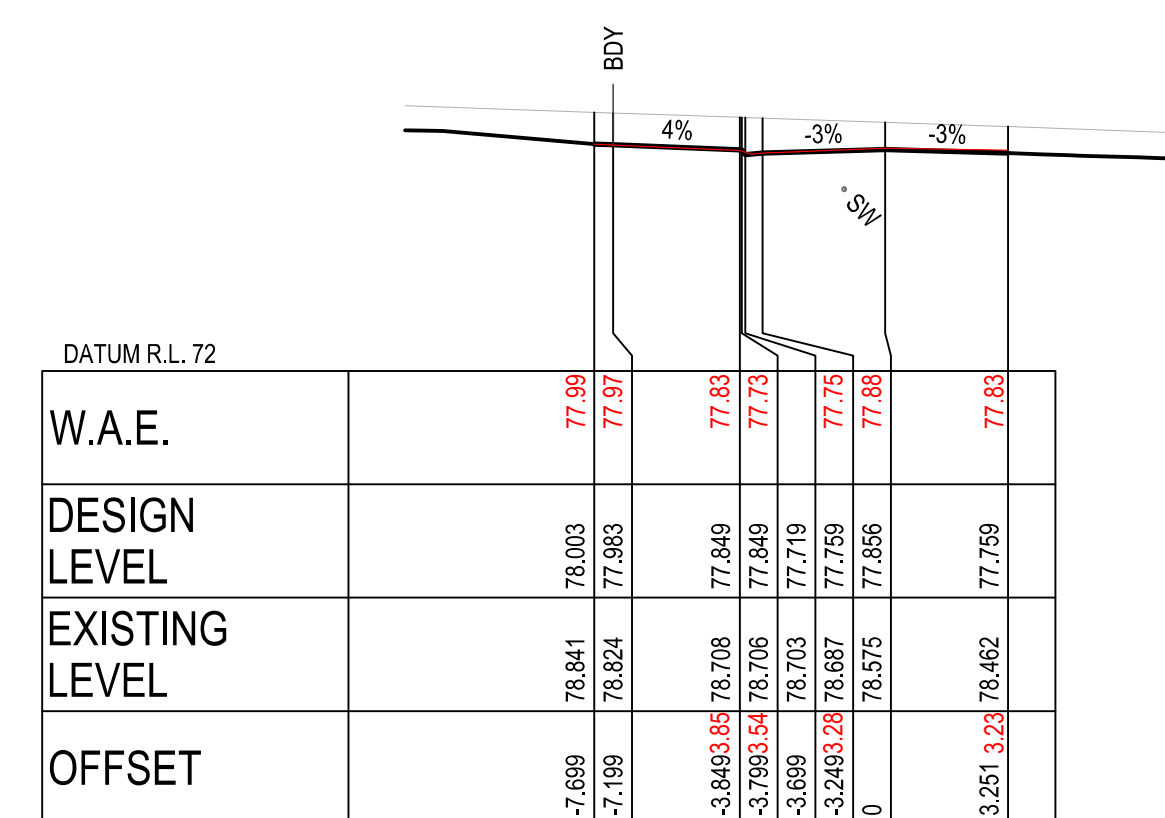
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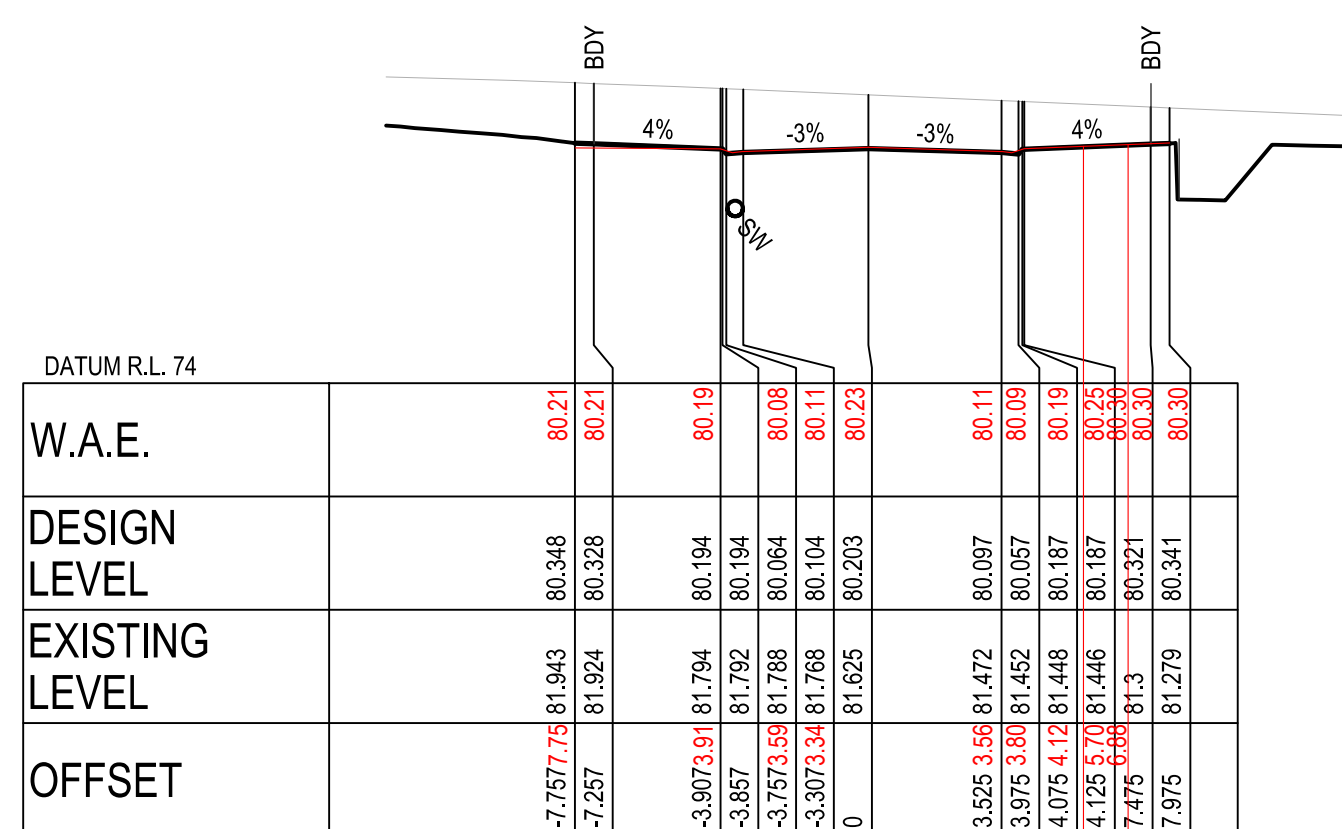
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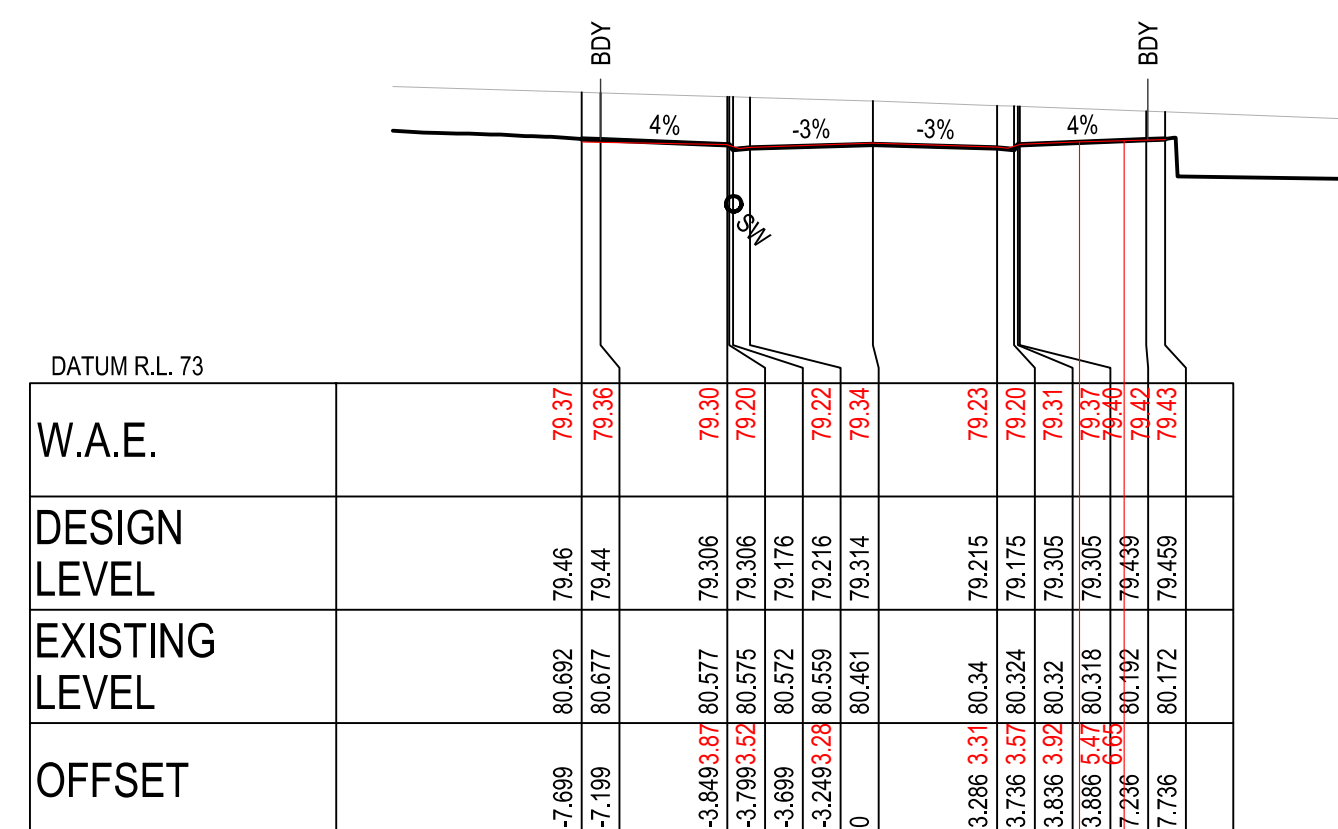
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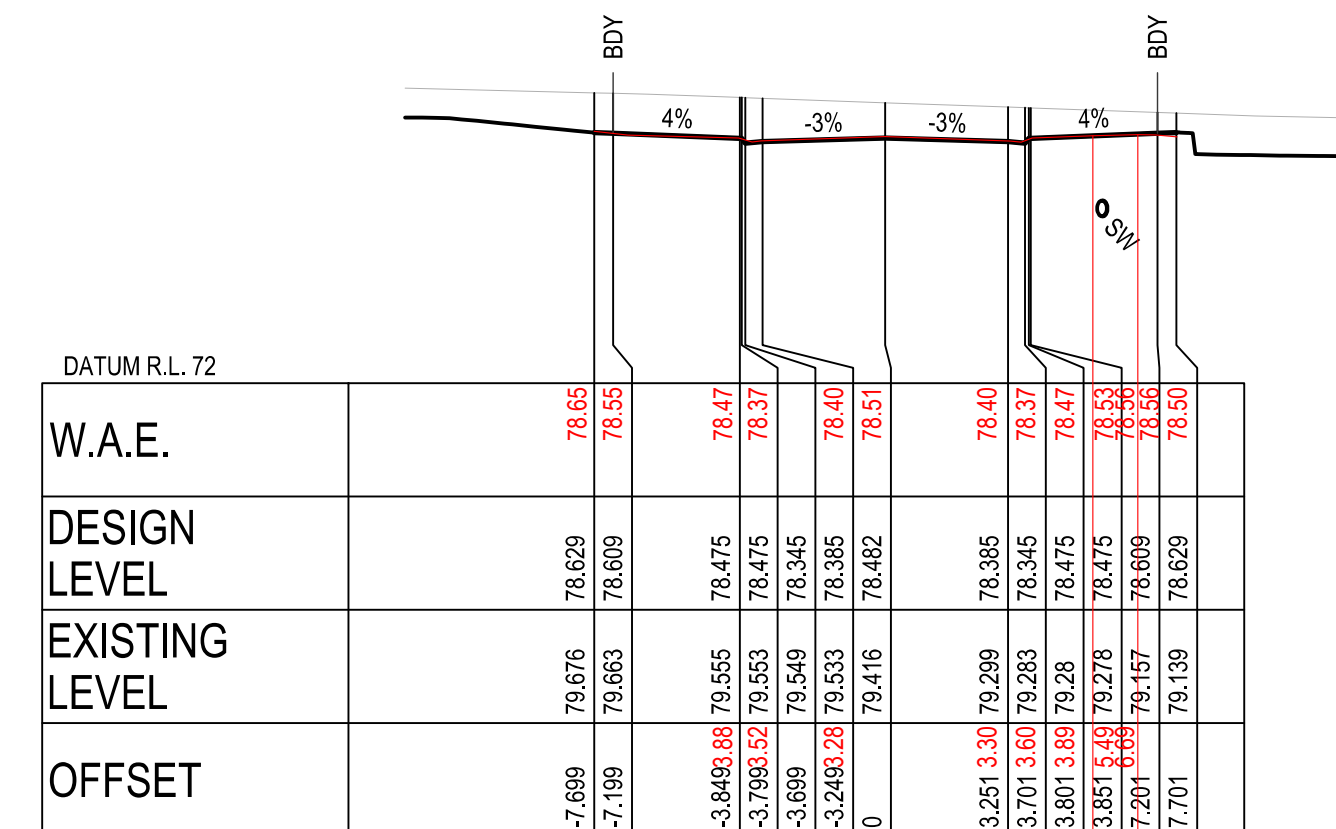
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CH 811.71



CH 826.534

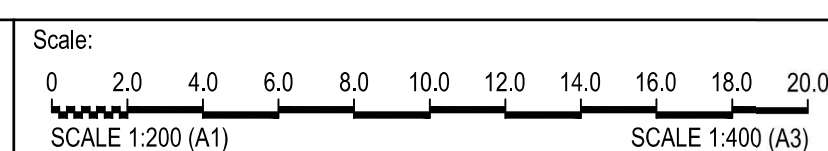


CH 840.476

ROAD 30

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Title:				
ROAD CROSS SECTIONS SHEET 15				
Project No.	Set No.	Milestone	Plan	Revision
23-0579	01	SWC	364	B

[illegible]

For:


mirvac

By: **ORION**

 **JAS-ANZ**

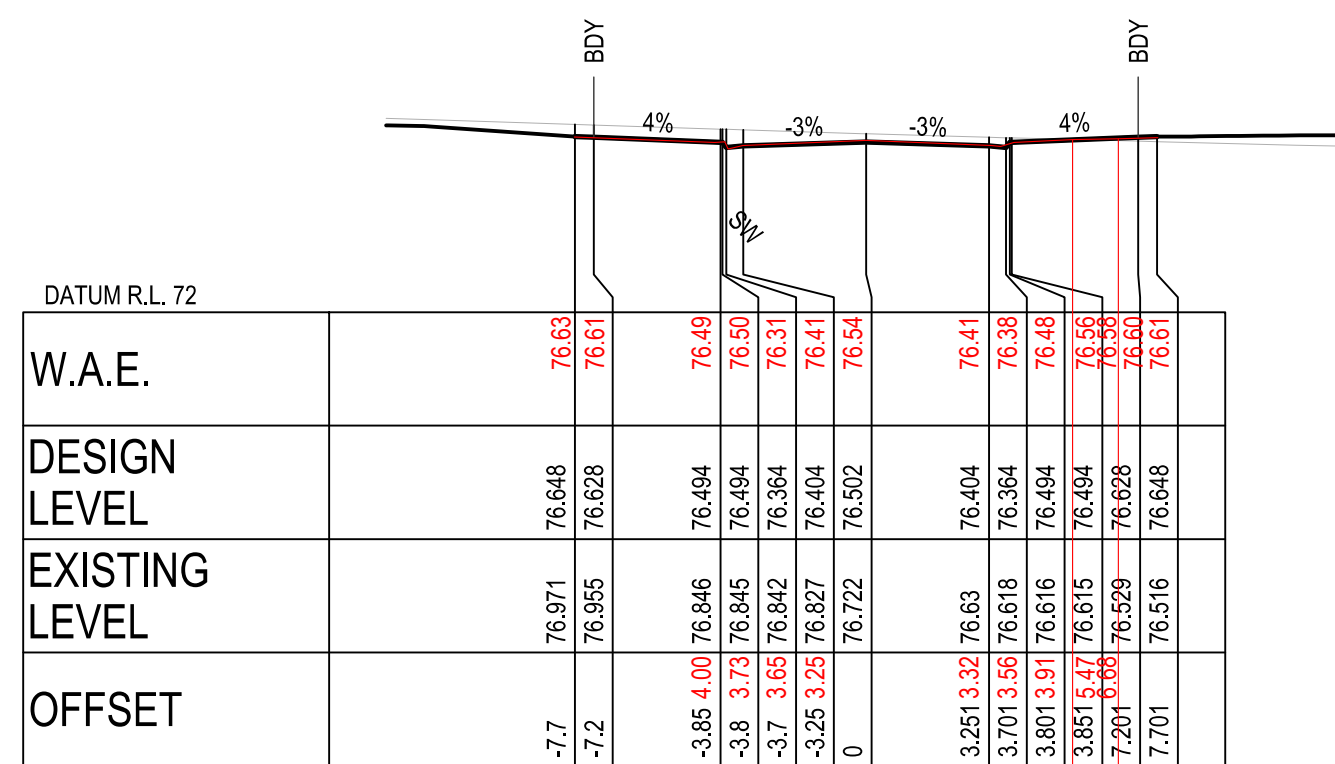
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

Project: 591, 593 COBBITTY ROAD &
1 FRESHWATER DRIVE, COBBITTY
(PRECINCT 2A STAGE 1 &
TRANCHE 5a STAGE 1)
ROAD & DRAINAGE DESIGN

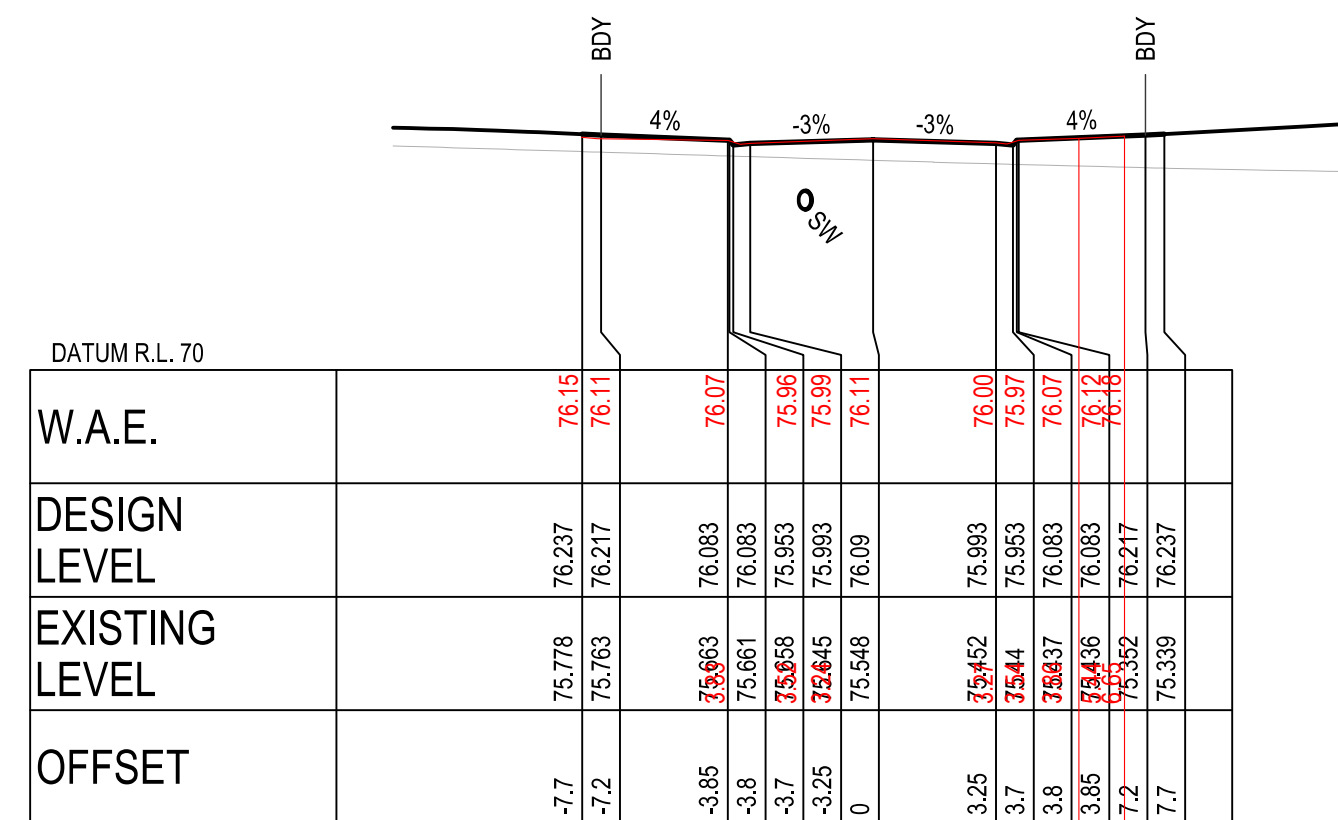
LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
INDICATIVE STORMWATER ALIGNMENT	

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025

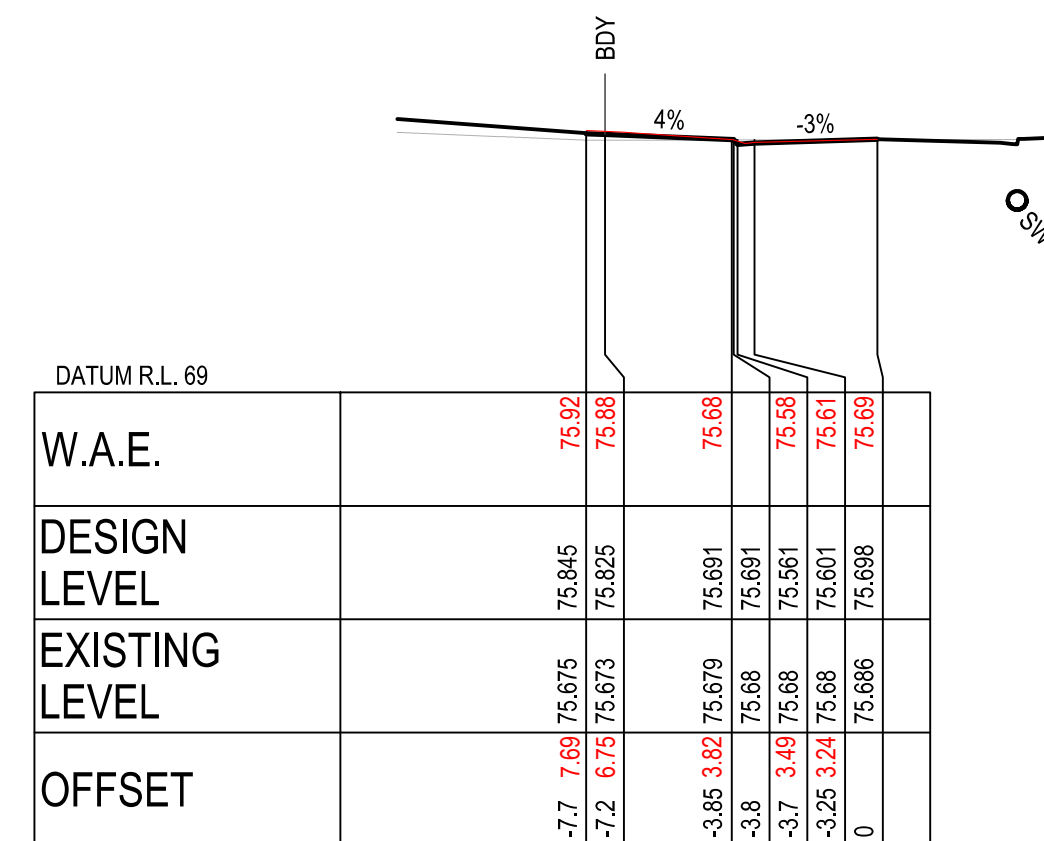
REGISTERED SURVEYOR ID: 8890
ORION GROUP



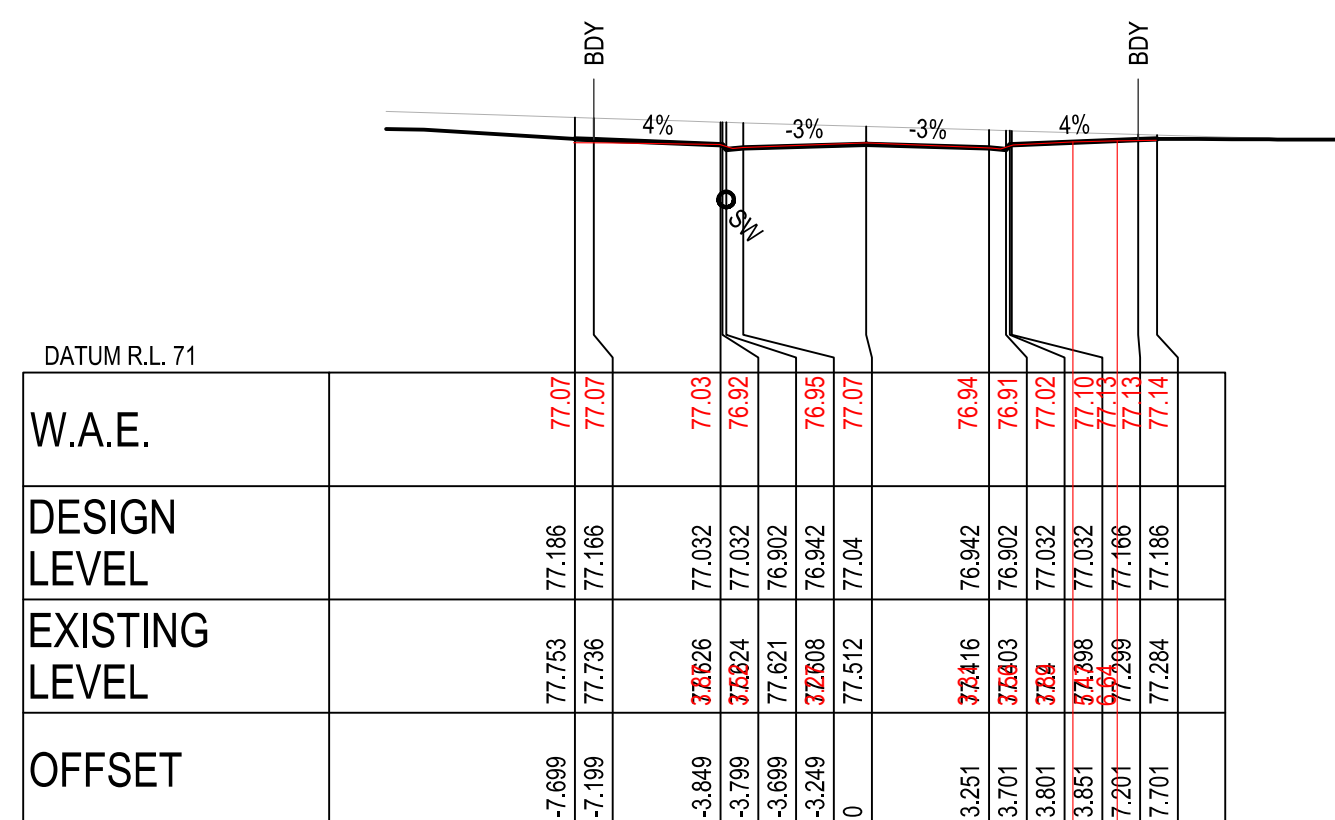
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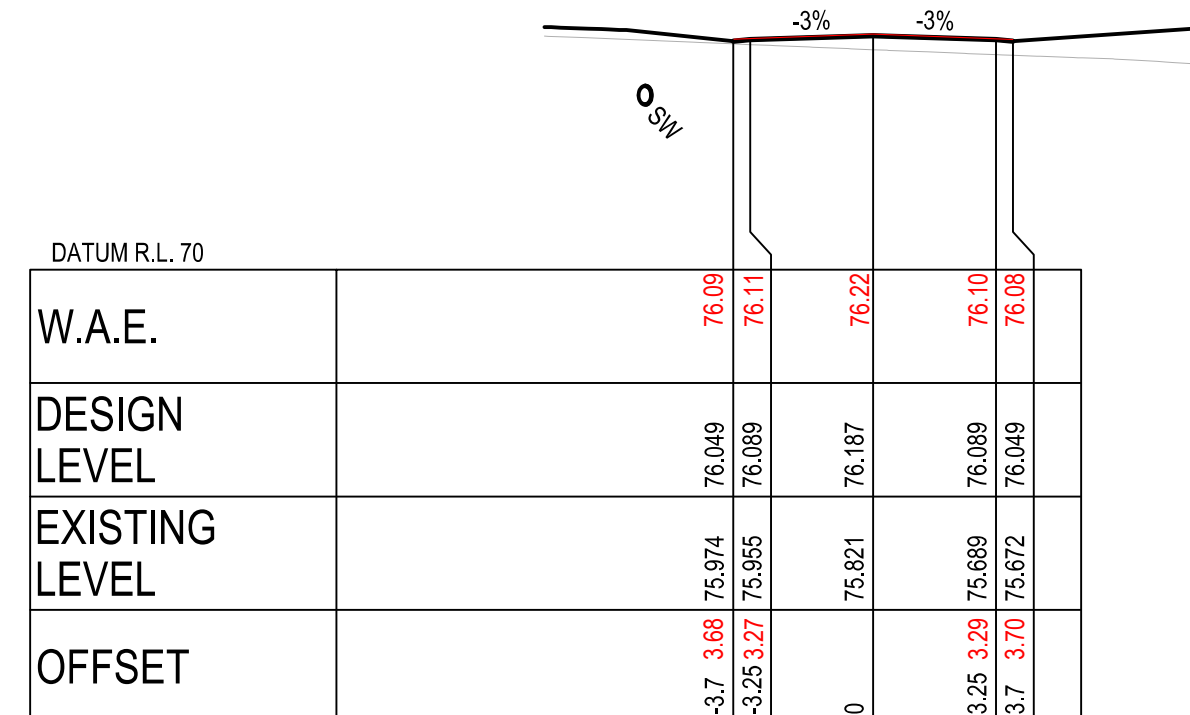
CH 900



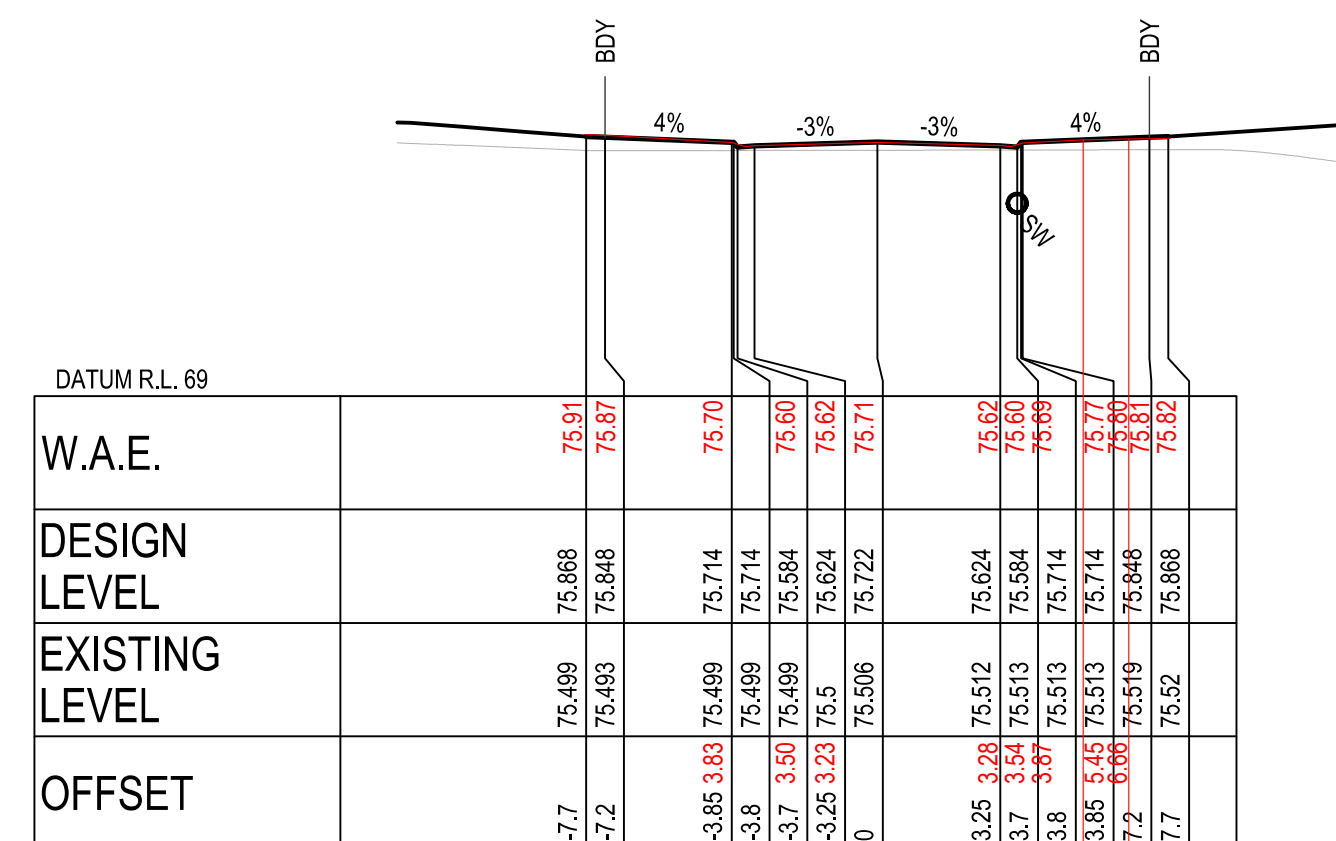
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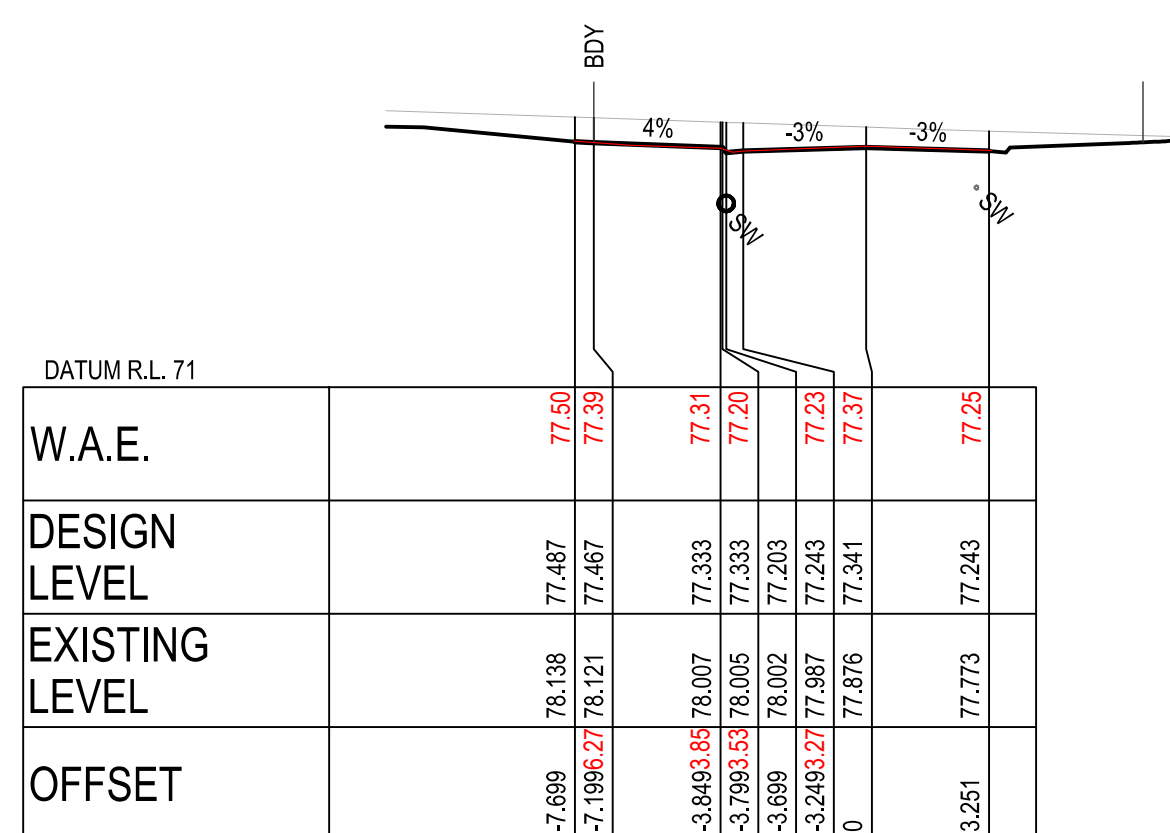
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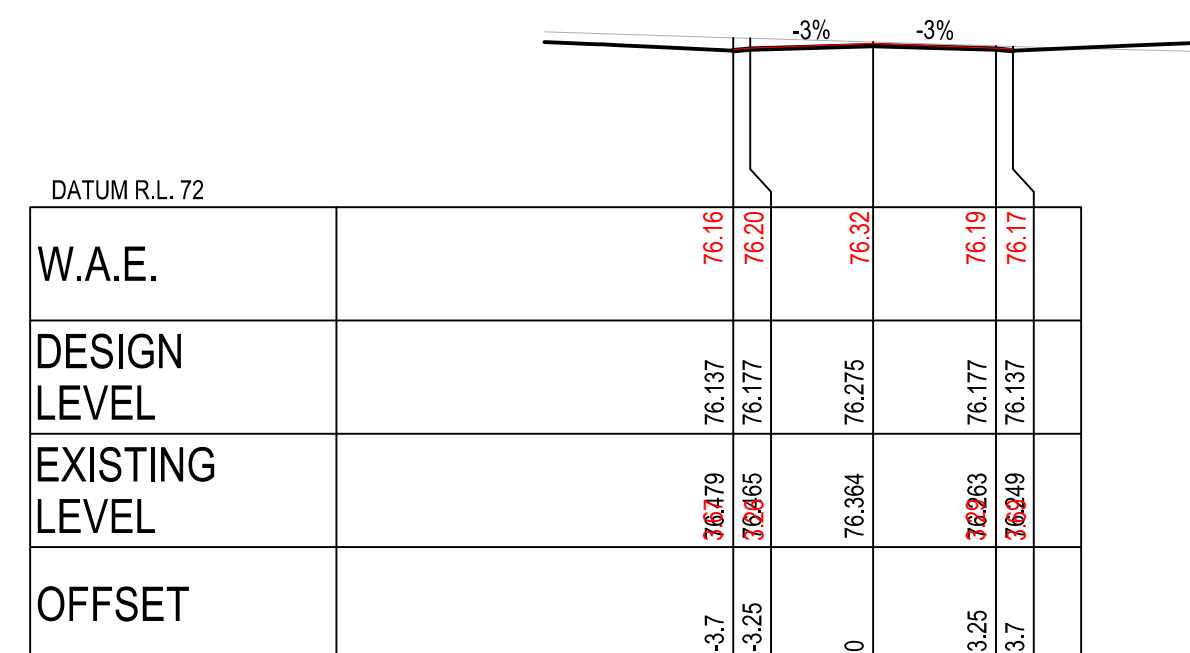
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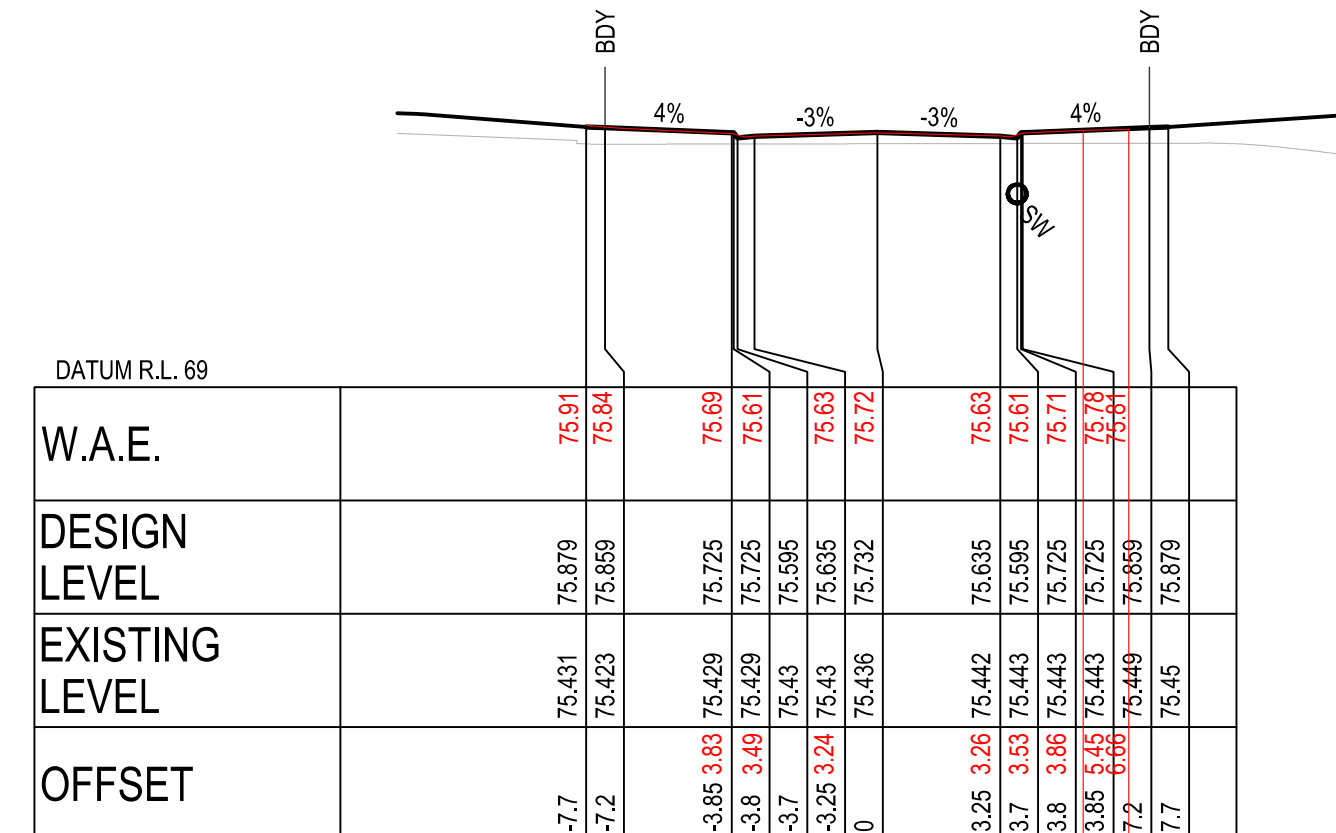
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CH 862.889



CH 892.767



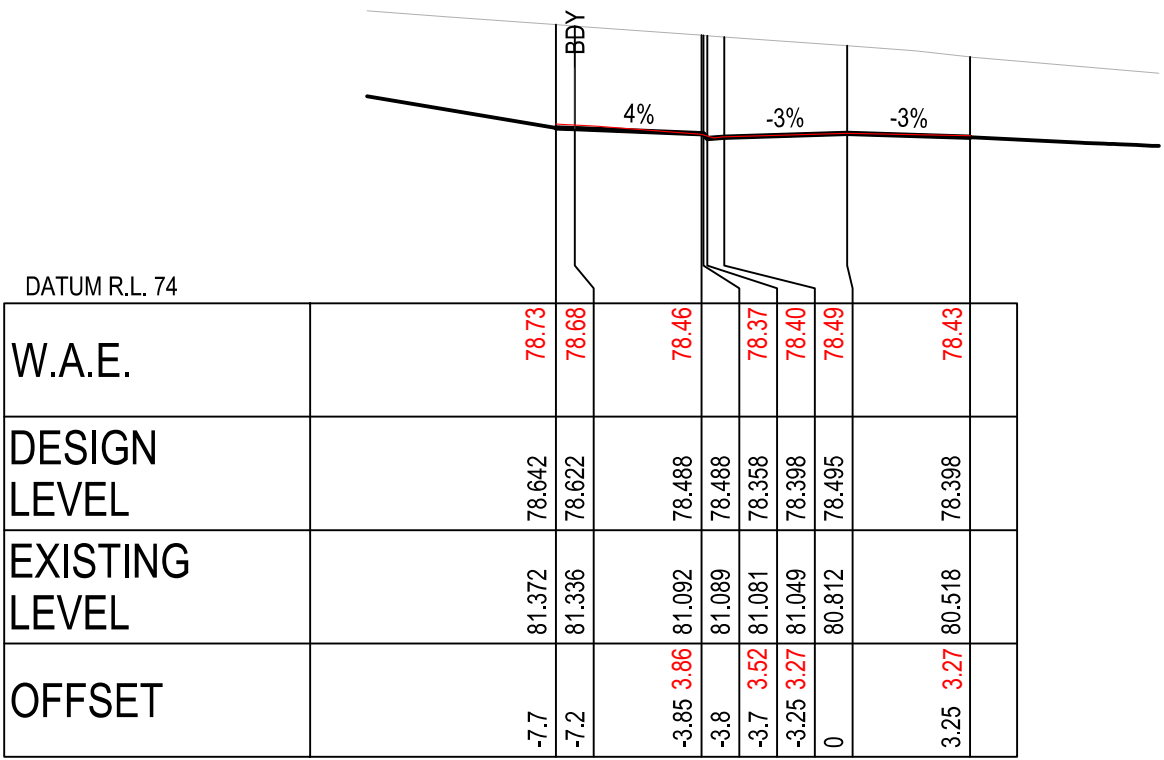
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ROAD 30

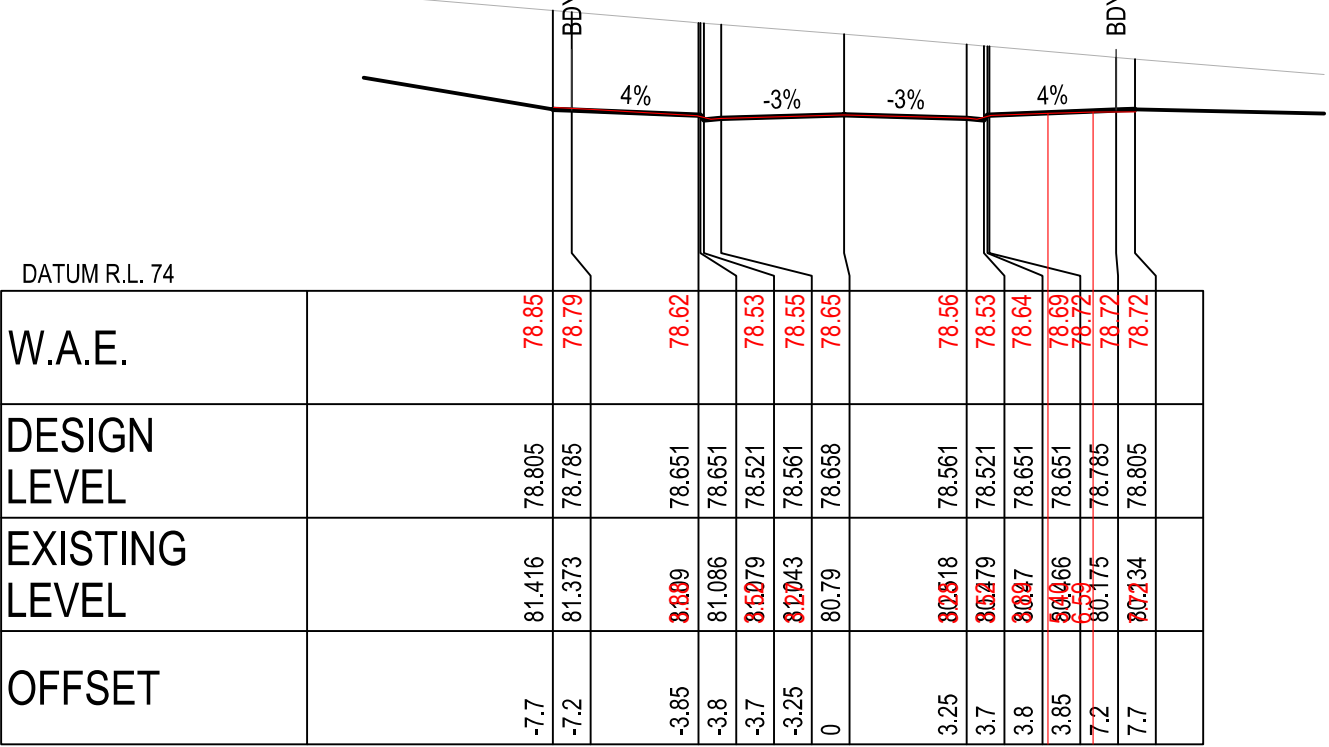
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LEGEND	
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DESIGN SURFACE	
INDICATIVE STORMWATER ALIGNMENT	

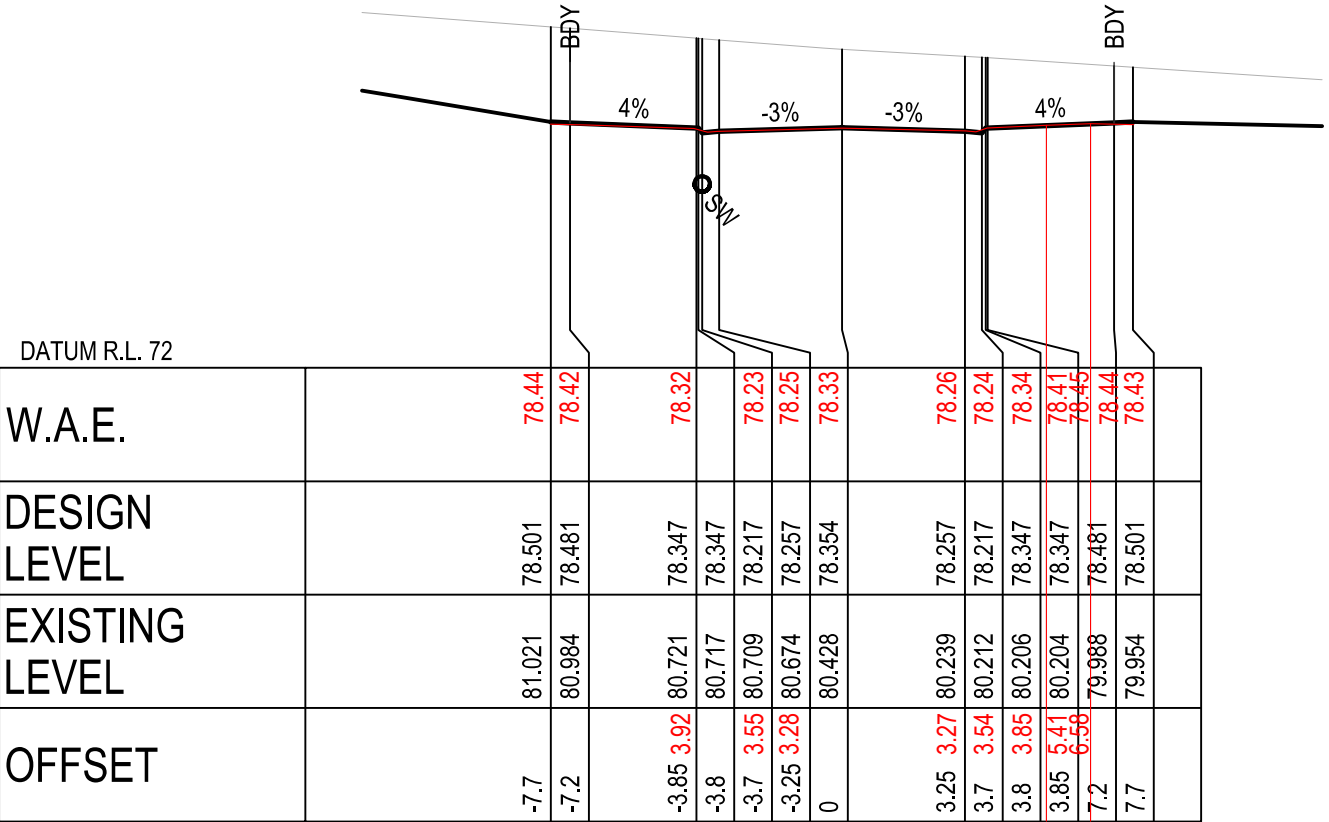
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025
Arnell MacIntyre
REGISTERED SURVEYOR ID: 8890
ORION GROUP



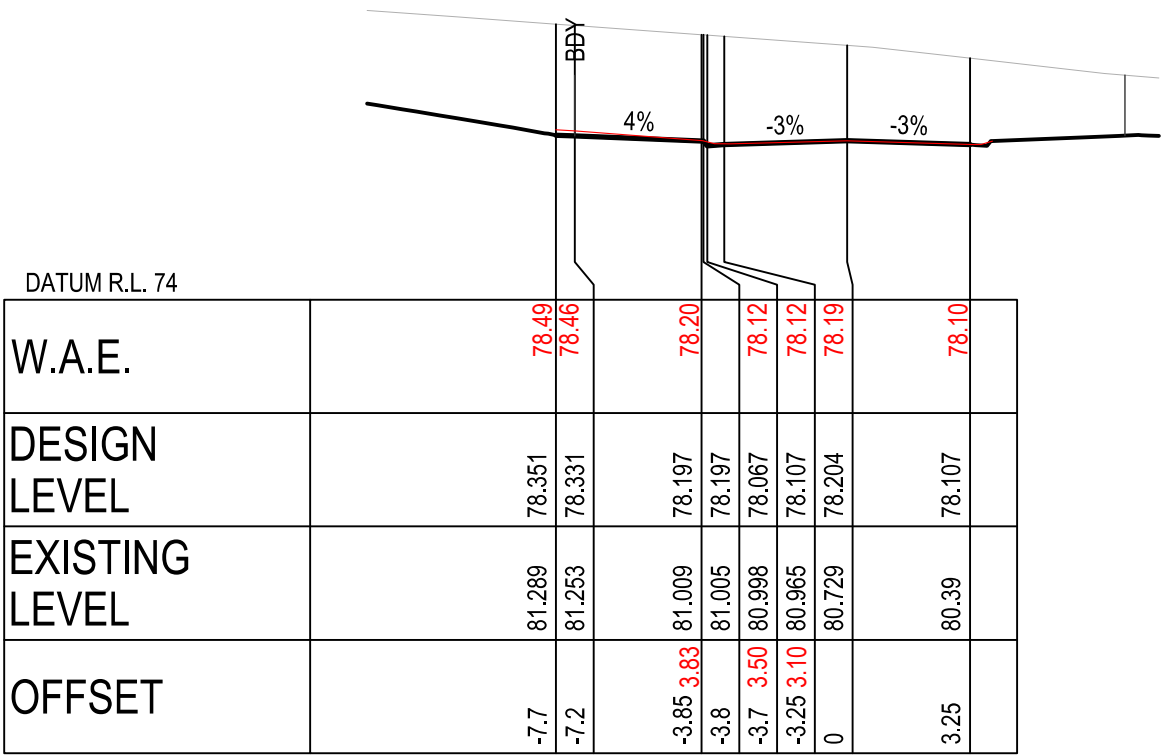
CH 315



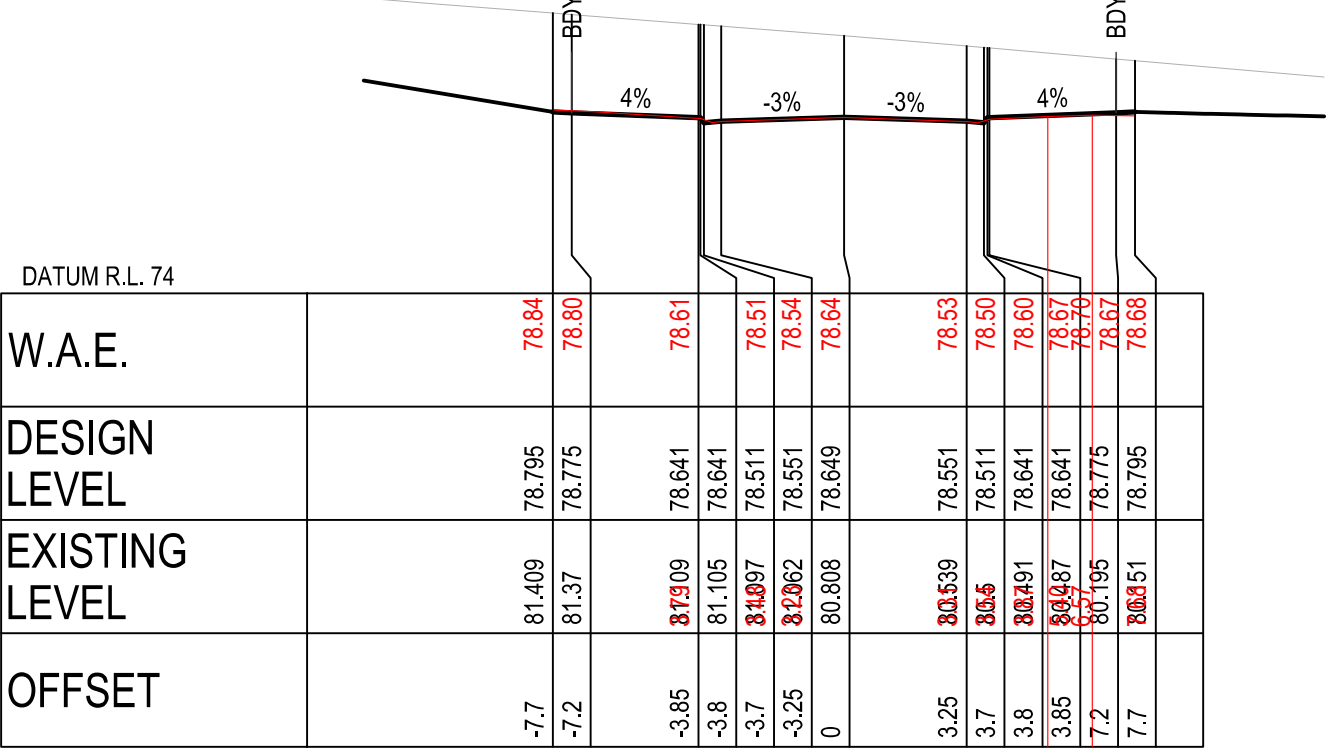
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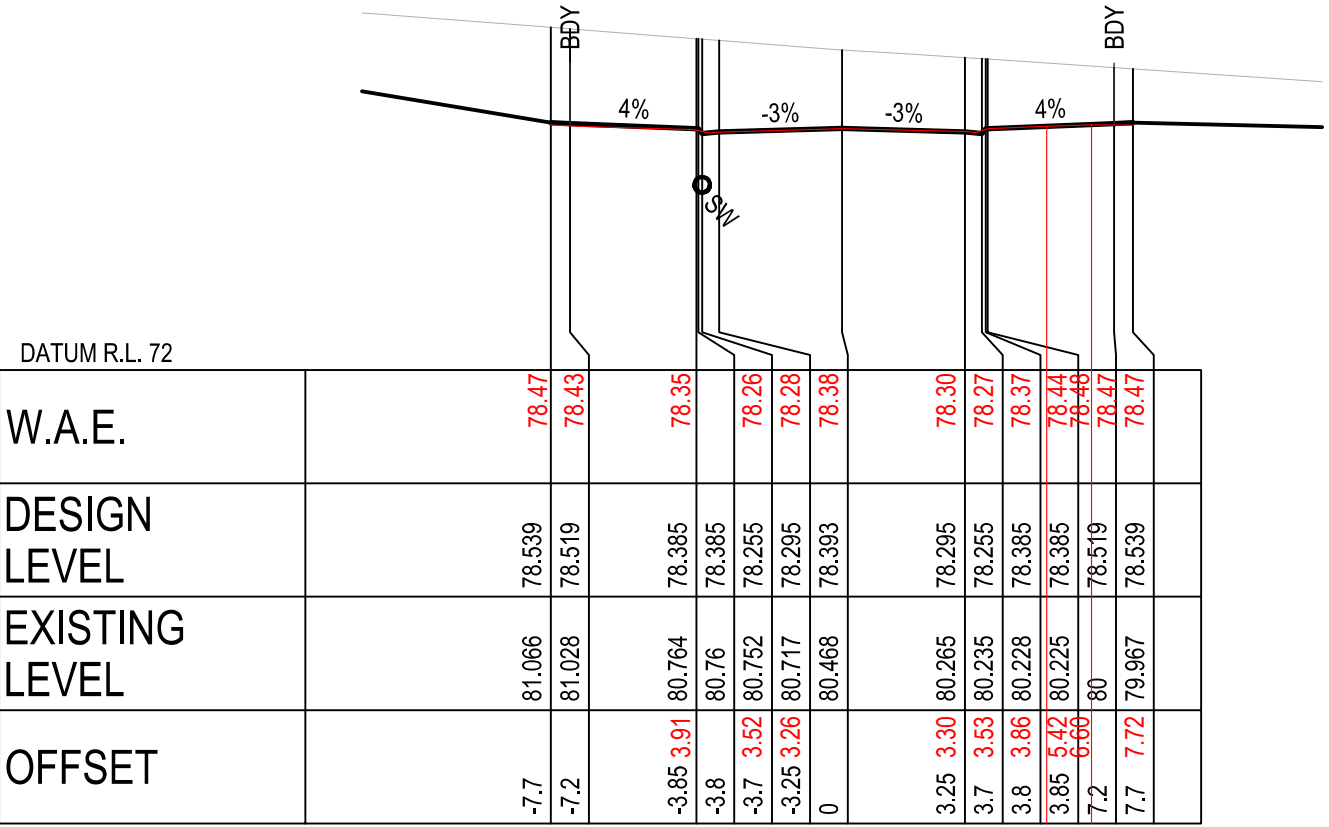
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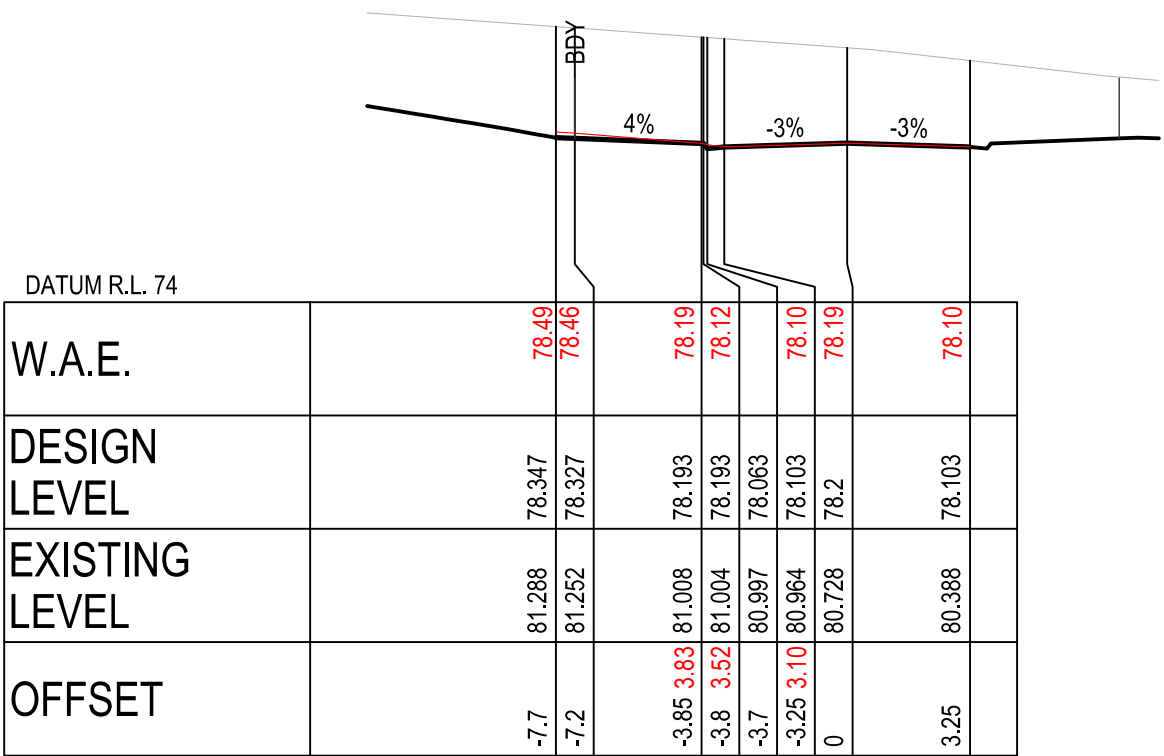
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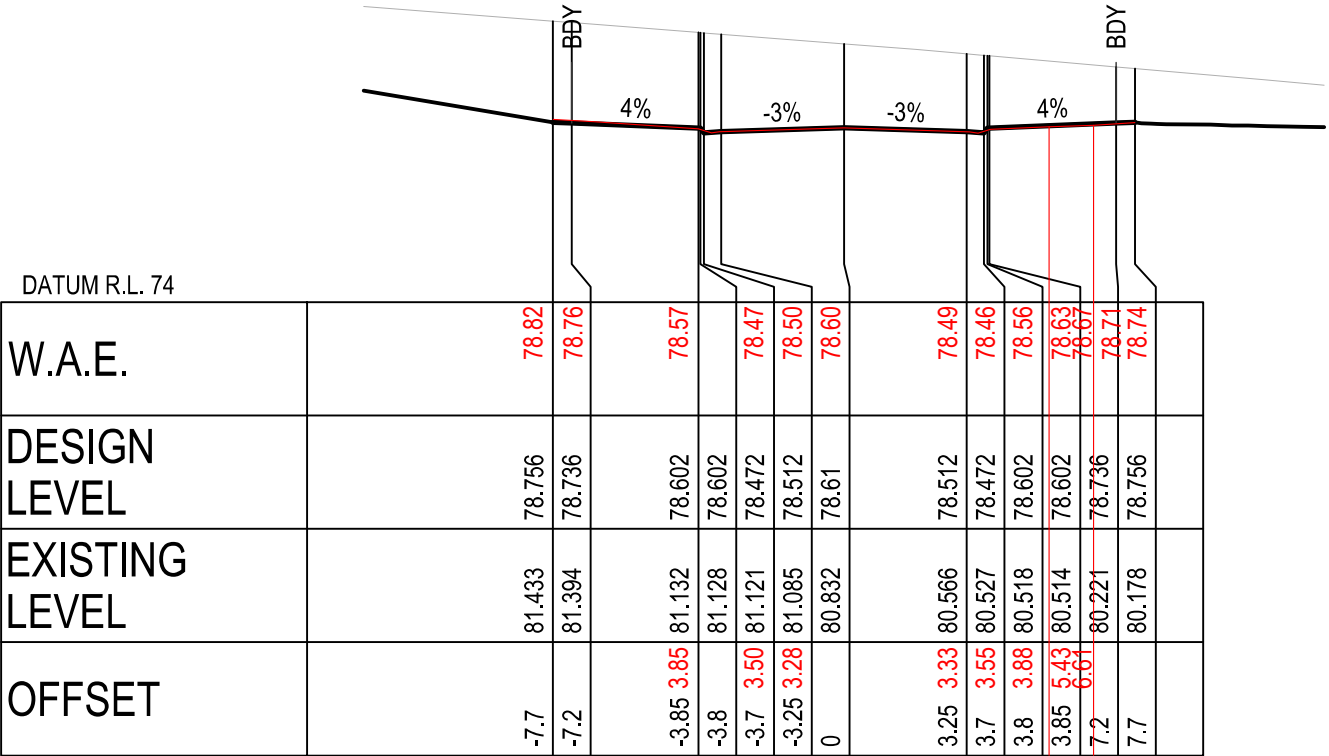
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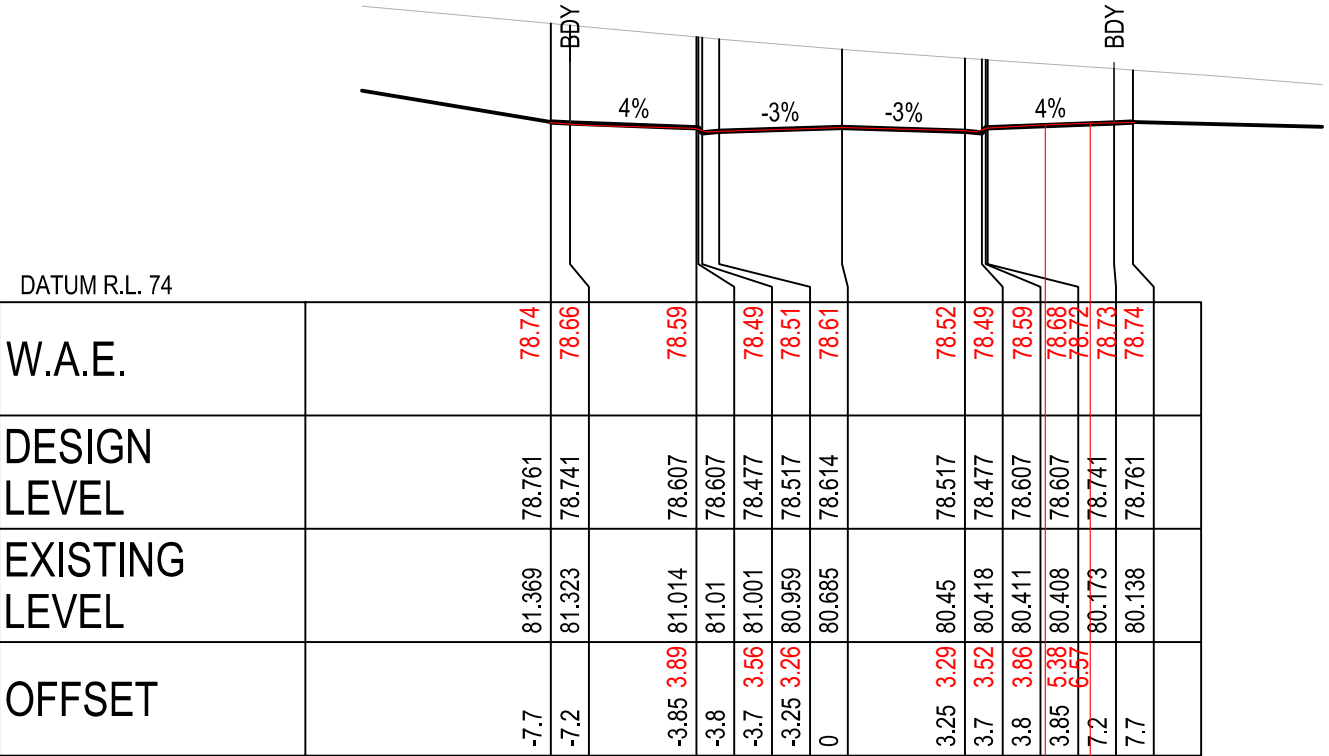
CH 360



CH 301.62



CH 324.02



CH 345

CAMDEN COUNCIL
Approved by the Council of Camden under the provisions
of the Environment Planning and Assessment Act 1979
APPROVAL

25/02/2025

SUBDIVISION WORKS CERTIFICATE
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2

ROAD 34

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

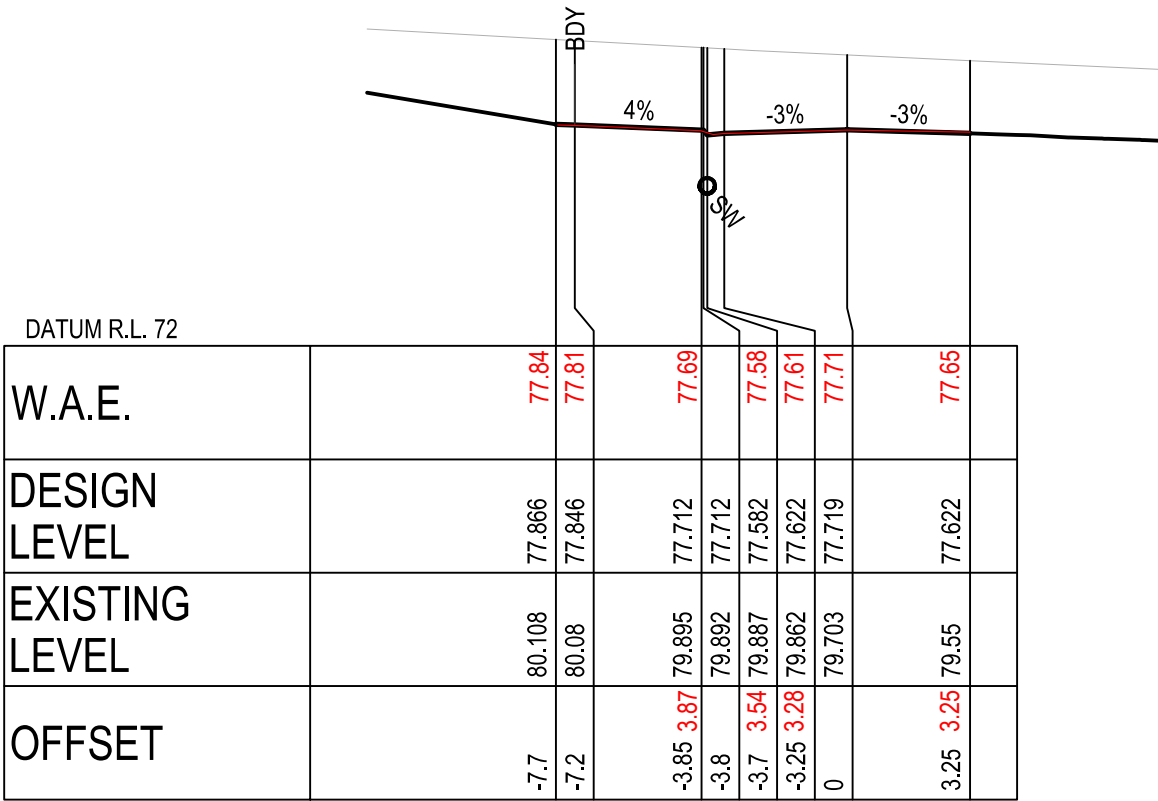
								Disclaimer and Copyright: ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. THESE DRAWINGS, PLANS, AND SPECIFICATIONS AND THE COPYRIGHT ARE THE PROPERTY OF ORION CONSULTING ENGINEERS PTY LTD AND MUST NOT BE REPRODUCED OR COPIED WHOLLY OR IN PART WITHOUT THE PERMISSION OF ORION CONSULTING ENGINEERS PTY LTD		Scale: 0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0 18.0 20.0 SCALE 1:200 (A1) SCALE 1:400 (A3)		For: 		By: ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au		Project: 591, 593 COBBITTY ROAD & 1 FRESHWATER DRIVE, COBBITTY (PRECINCT 2A STAGE 1 & TRANCHE 5a STAGE 1) ROAD & DRAINAGE DESIGN		Title: ROAD CROSS SECTIONS SHEET 17	
B	WP	Lmc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS													
A	RL	Lmc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE													
Rev	Drawn	Design	Check	Appd.	Date	Revision Description													
																		Project No. 23-0579	
																		Set No. 01	
																		Milestone SWC	
																		Plan 366	
																		Revision B	

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
INDICATIVE STORMWATER ALIGNMENT	

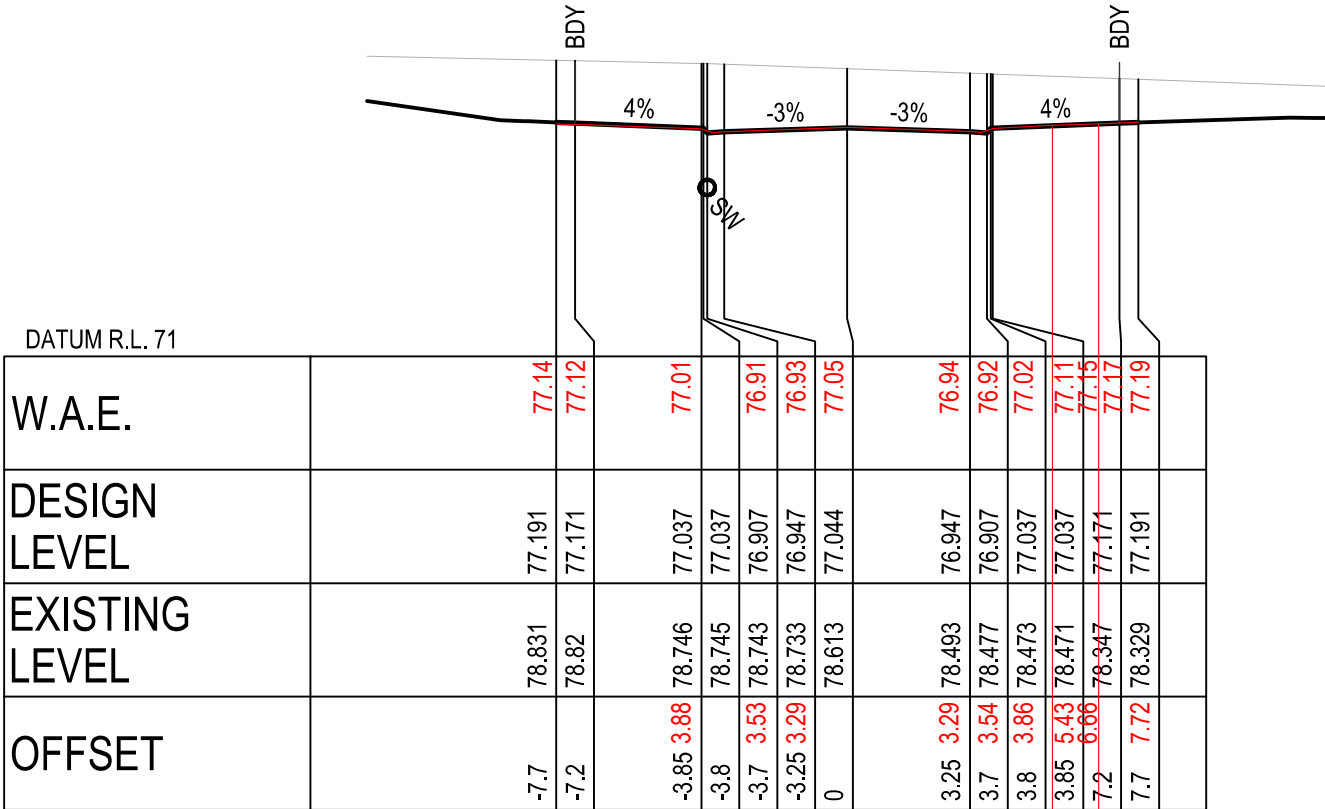
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

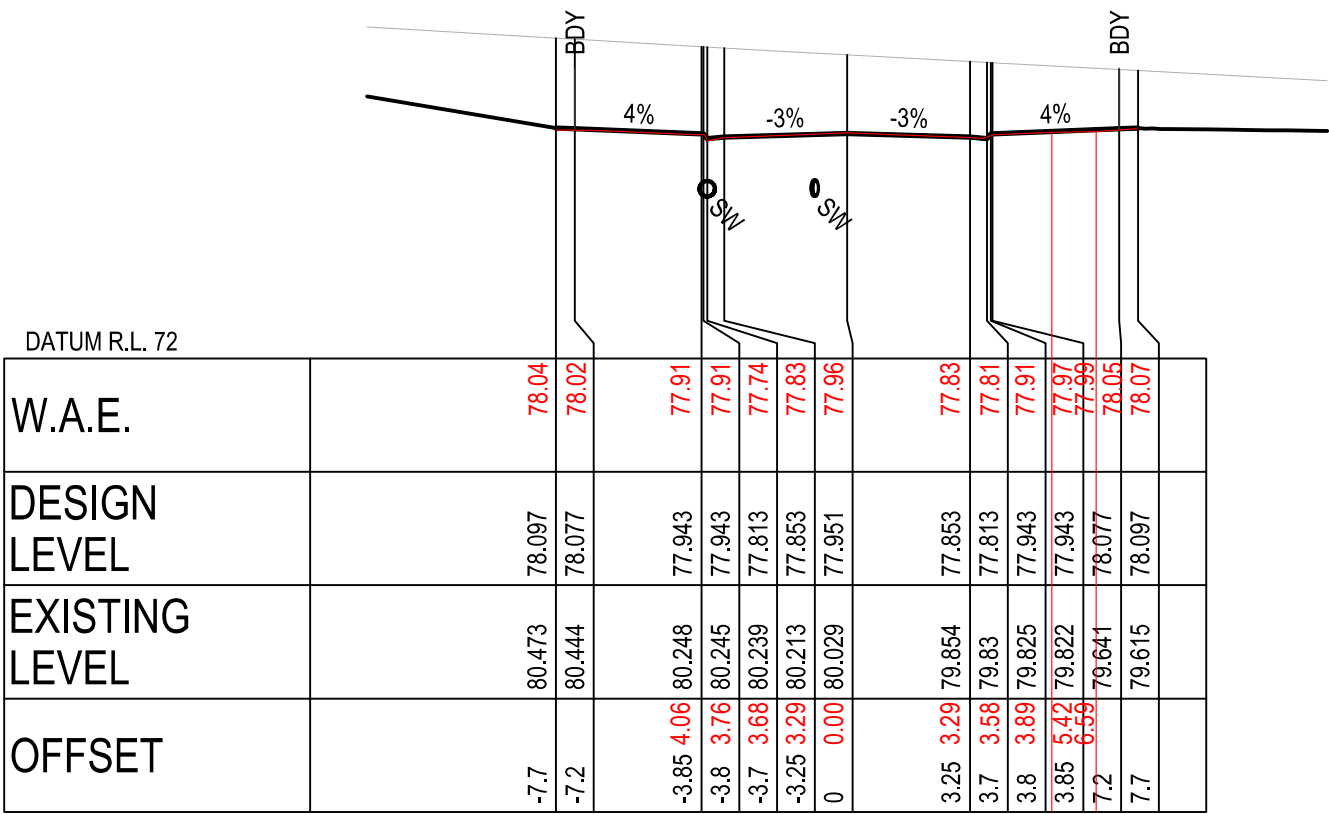
CAMDEN COUNCIL
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of the Environment Planning and Assessment Act 1979
APPROVAL
25/02/2025
SUBDIVISION WORKS CERTIFICATE
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2



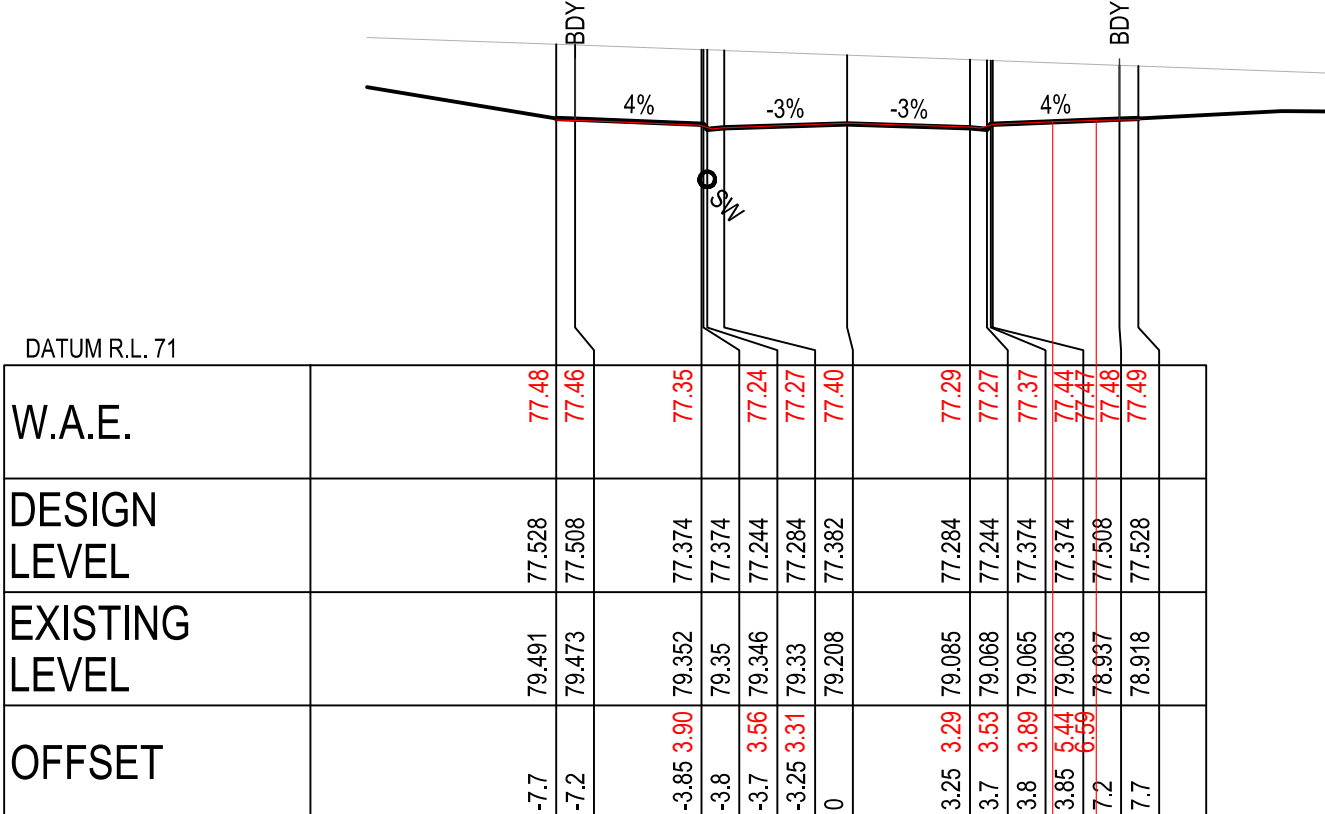
CH 390



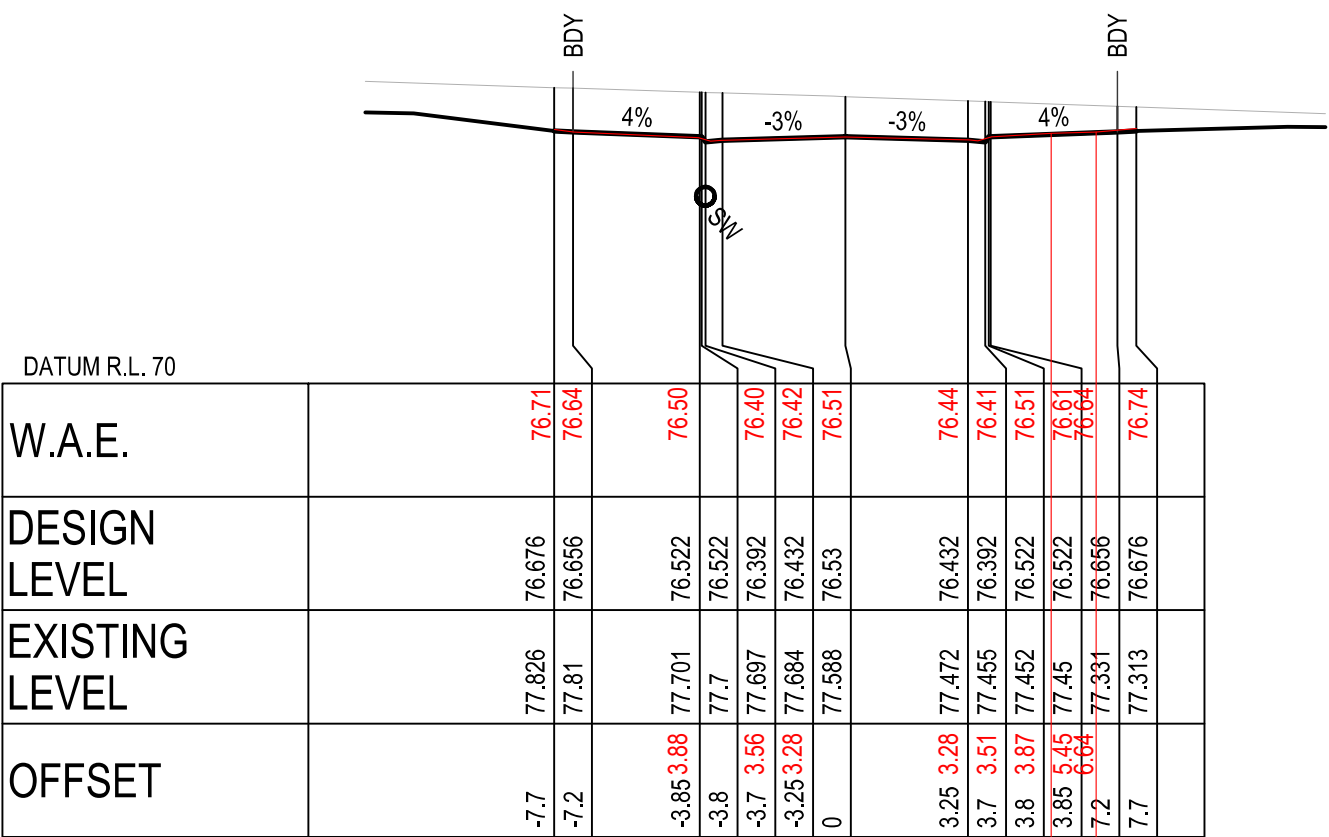
CH 420



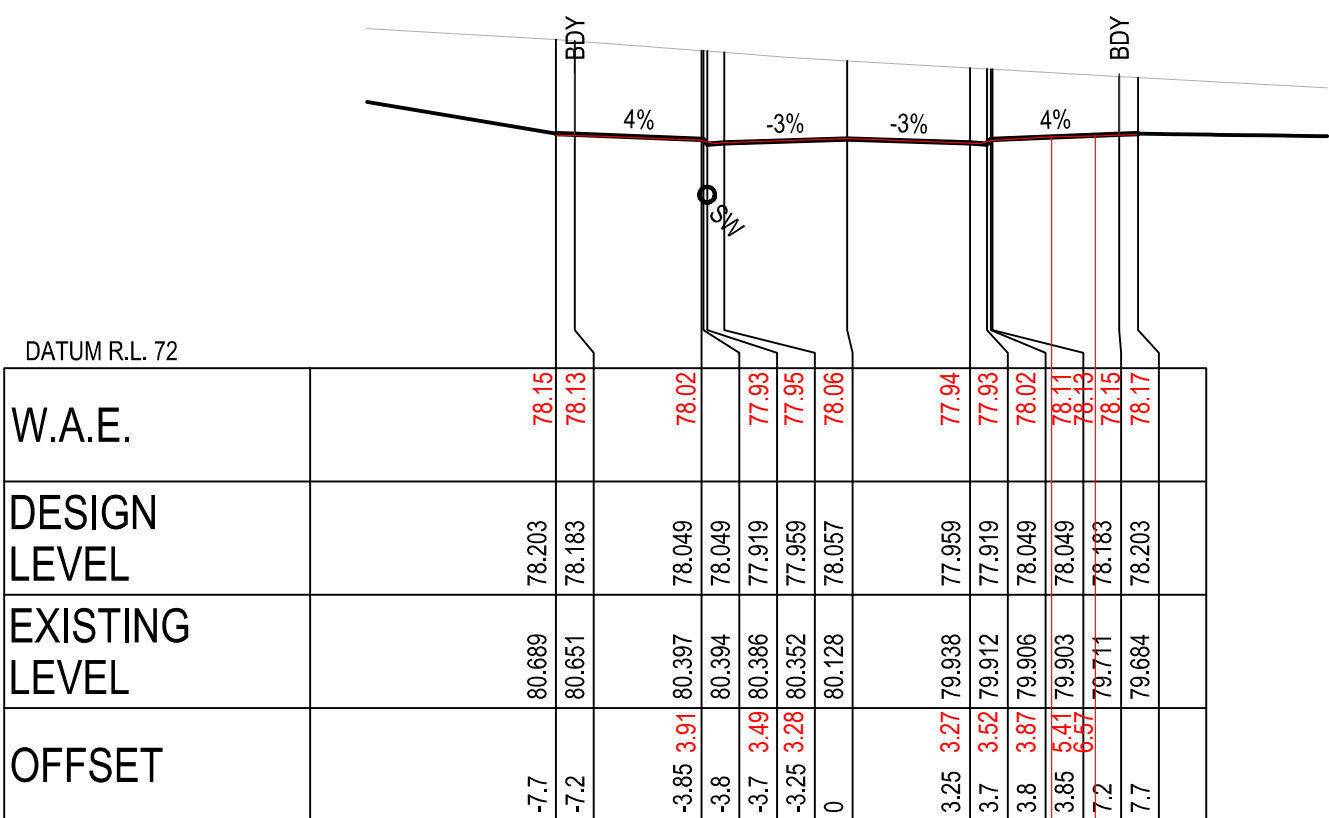
CH 379.699



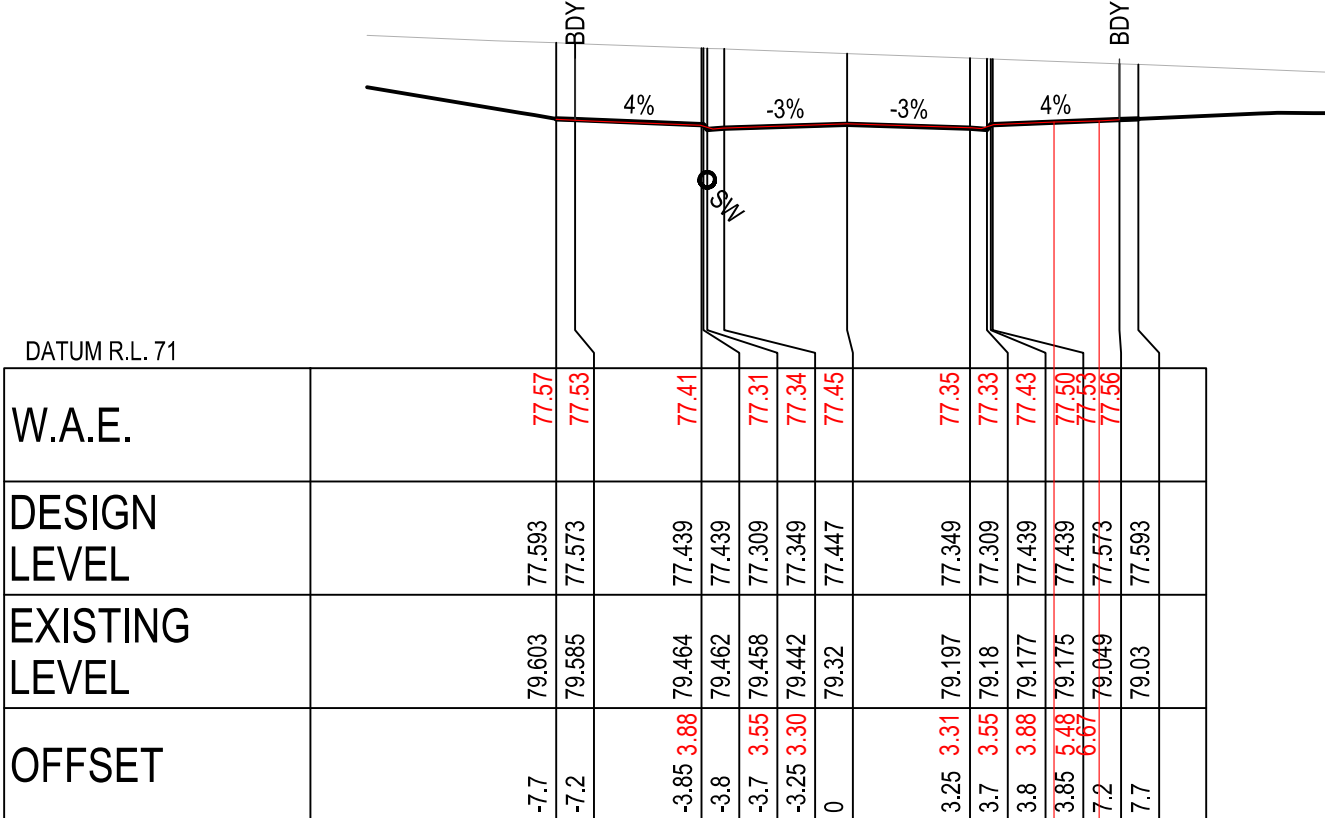
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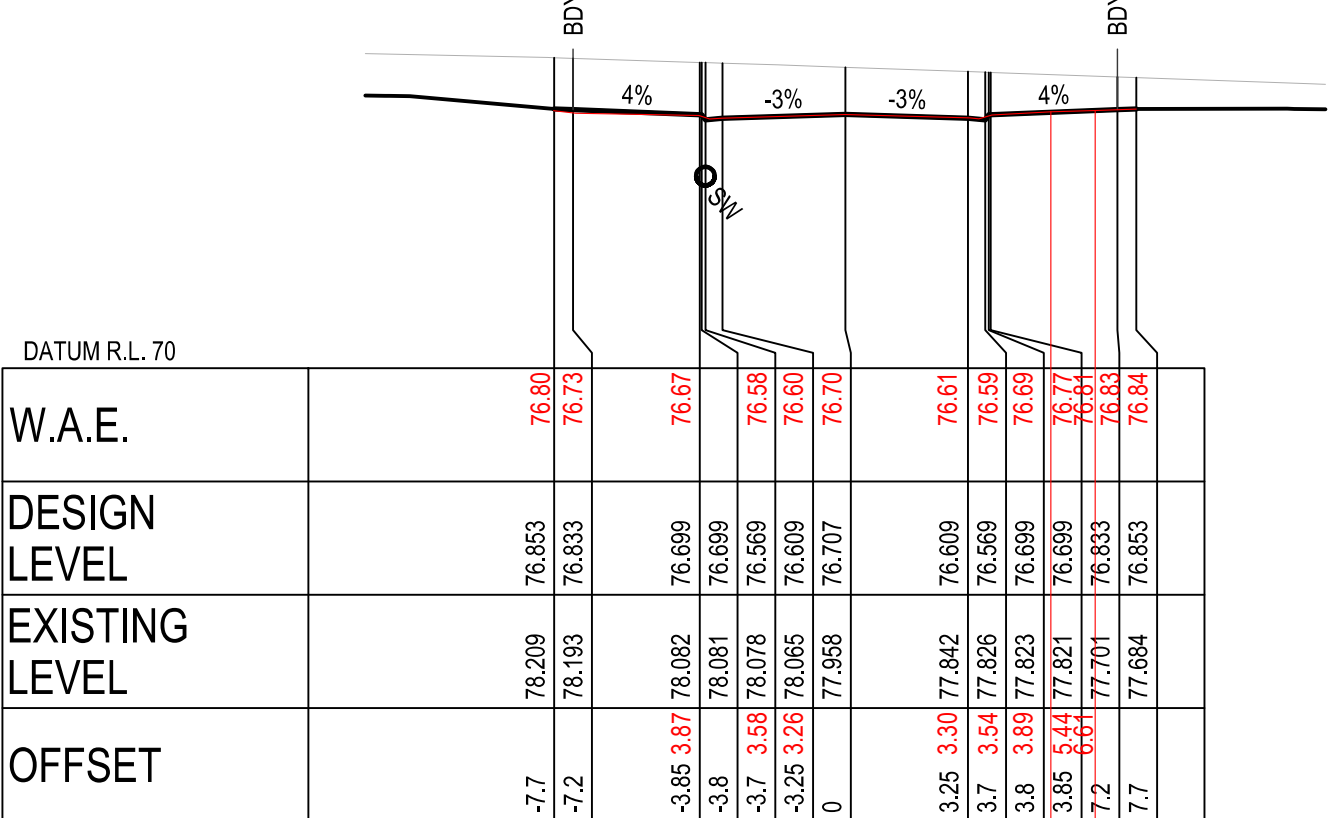
CH 442.853



CH 375



CH 402.099



CH 435

ROAD 34

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

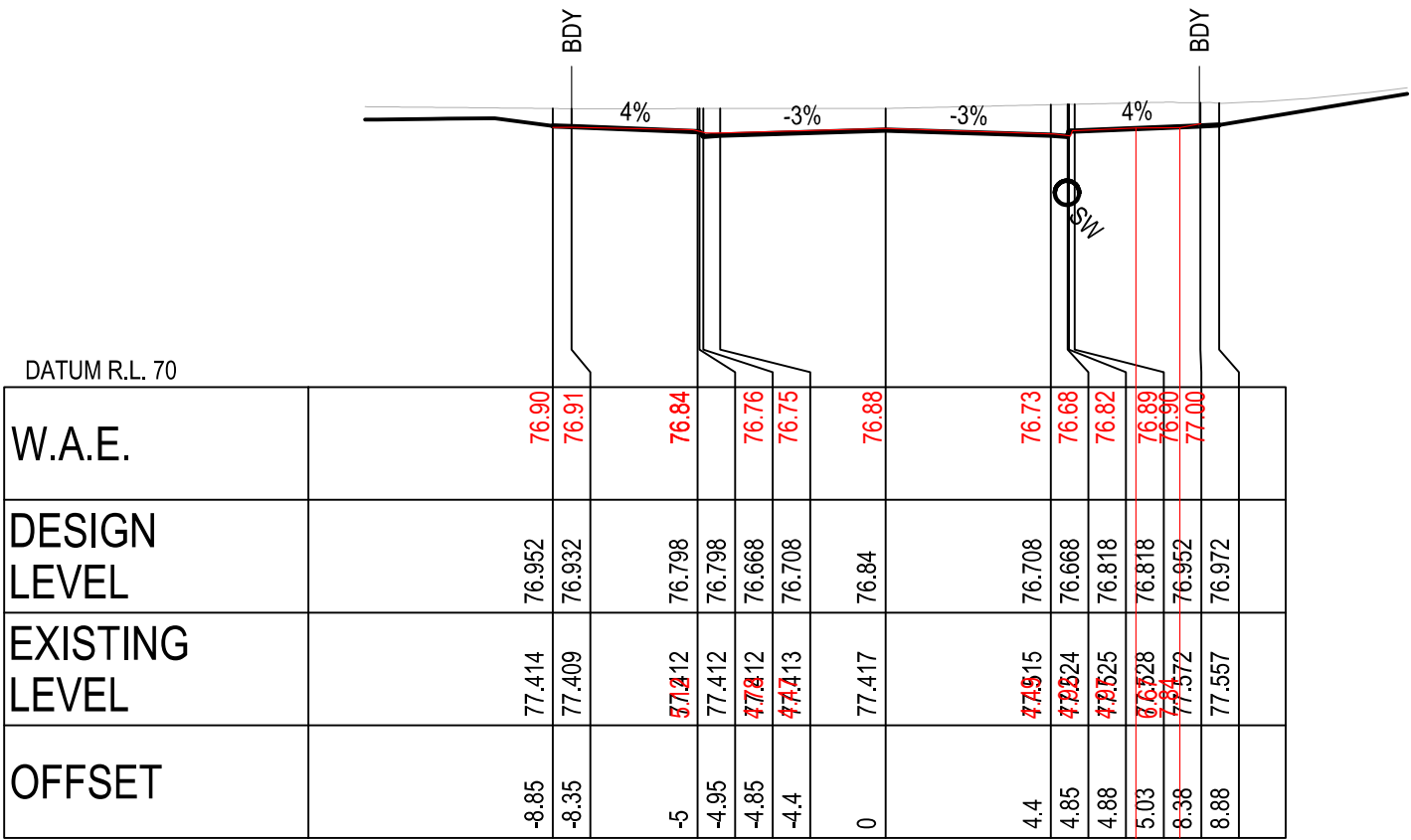
						Disclaimer and Copyright: ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. THESE DRAWINGS, PLANS, AND SPECIFICATIONS AND THE COPYRIGHT ARE THE PROPERTY OF ORION CONSULTING ENGINEERS PTY LTD AND MUST NOT BE REPRODUCED OR COPIED WHOLLY OR IN PART WITHOUT THE PERMISSION OF ORION CONSULTING ENGINEERS PTY LTD		Scale: 0 2.0 4.0 6.0 8.0 10.0 12.0 14.0 16.0 18.0 20.0 SCALE 1:200 (A1) SCALE 1:400 (A3)		For: 		By:   SUSTAINABLE WWW.JAS-ANZ-GRUPPOFFICE		Project: 591, 593 COBBITTY ROAD & 1 FRESHWATER DRIVE, COBBITTY (PRECINCT 2A STAGE 1 & TRANCHE 5a STAGE 1) ROAD & DRAINAGE DESIGN		Title: ROAD CROSS SECTIONS SHEET 18		
B	WP	Lmc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS						Project No.		Set No.	Milestone	Plan	Revision	
A	RL	Lmc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE						23-0579		01	SWC	367	B	
Rev	Drawn	Design	Check	Appd.	Date	Revision Description												

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
INDICATIVE STORMWATER ALIGNMENT	

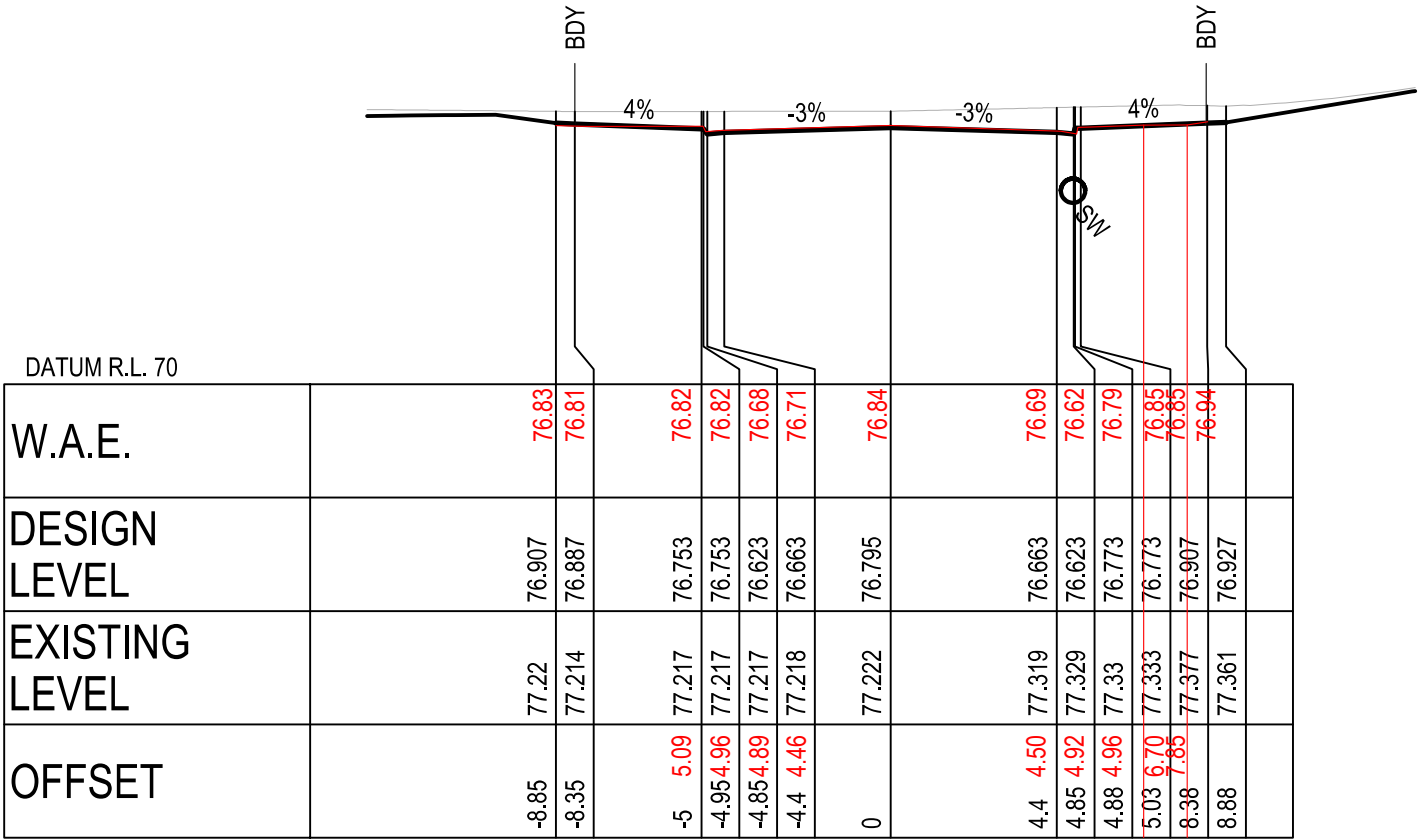
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

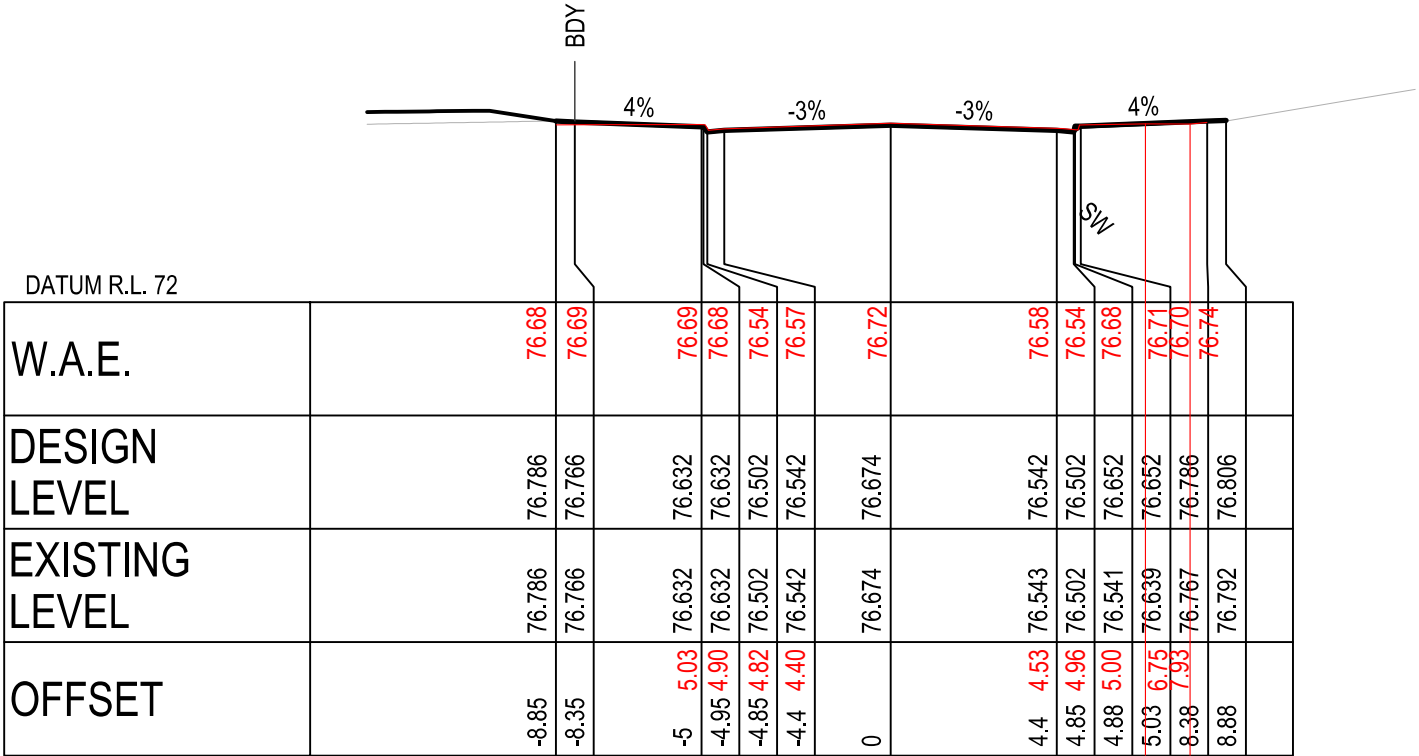
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APPROVAL
25/02/2025
SUBDIVISION WORKS CERTIFICATE
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2



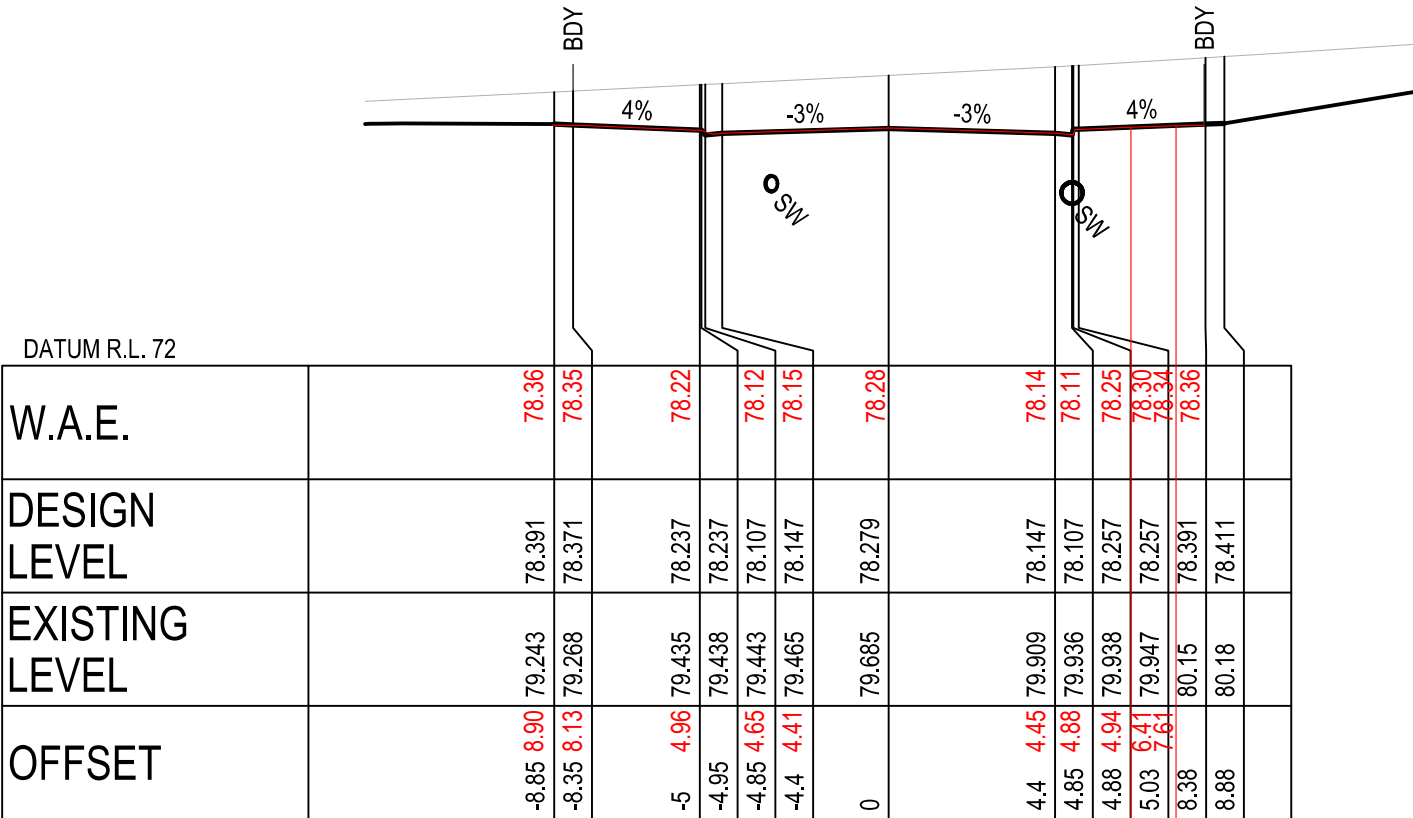
CH 46.17



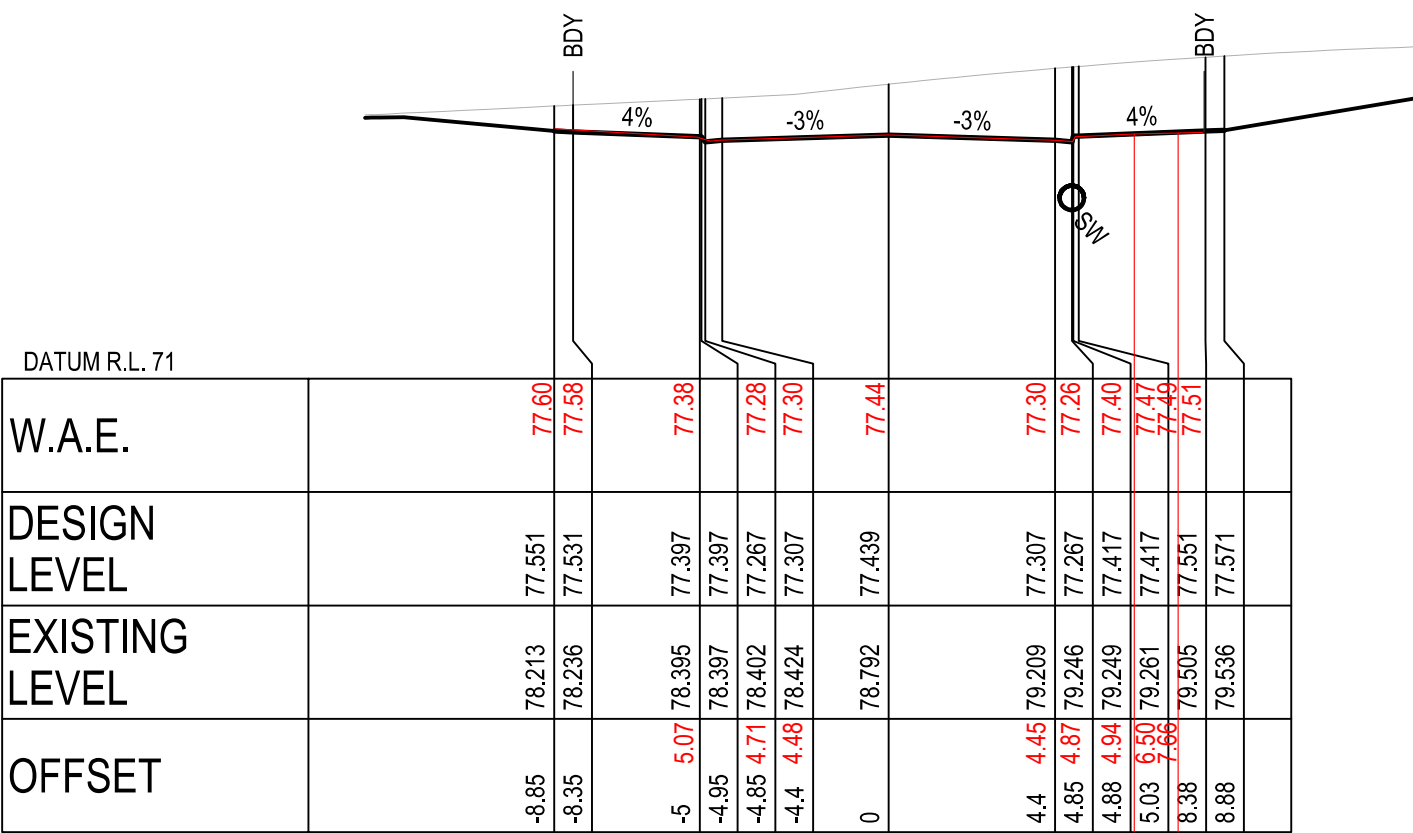
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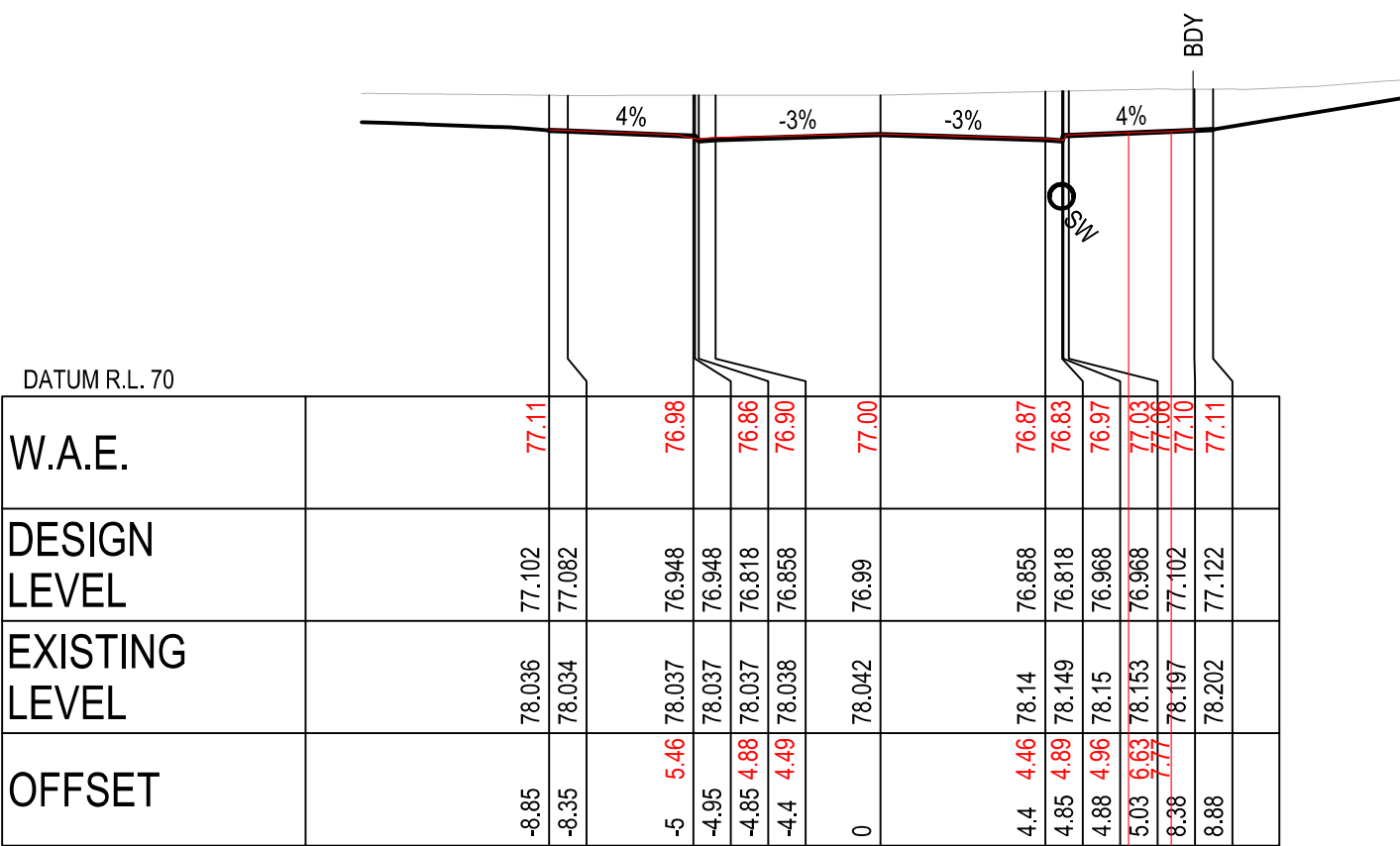
CH 41.465



CH 75



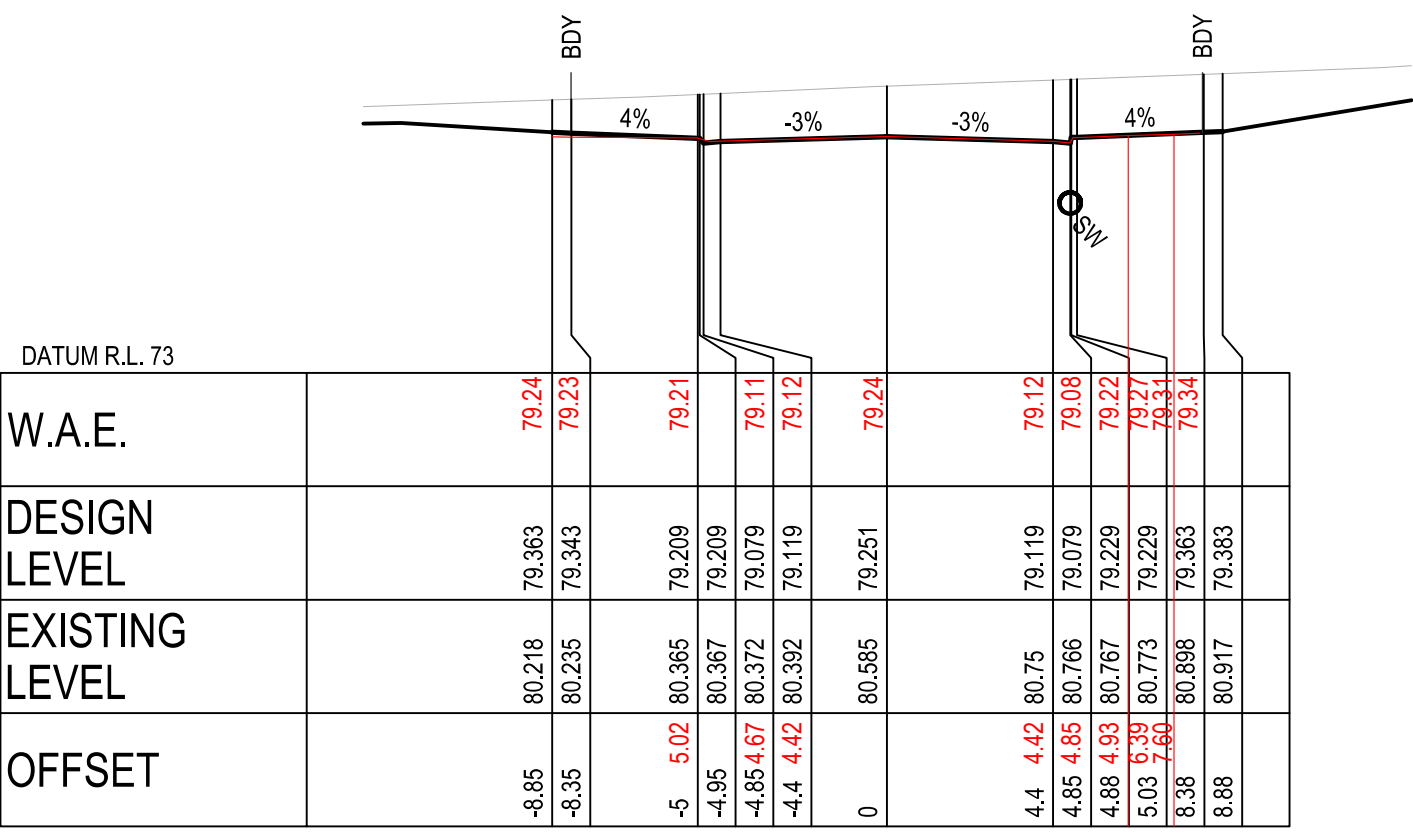
CH 60



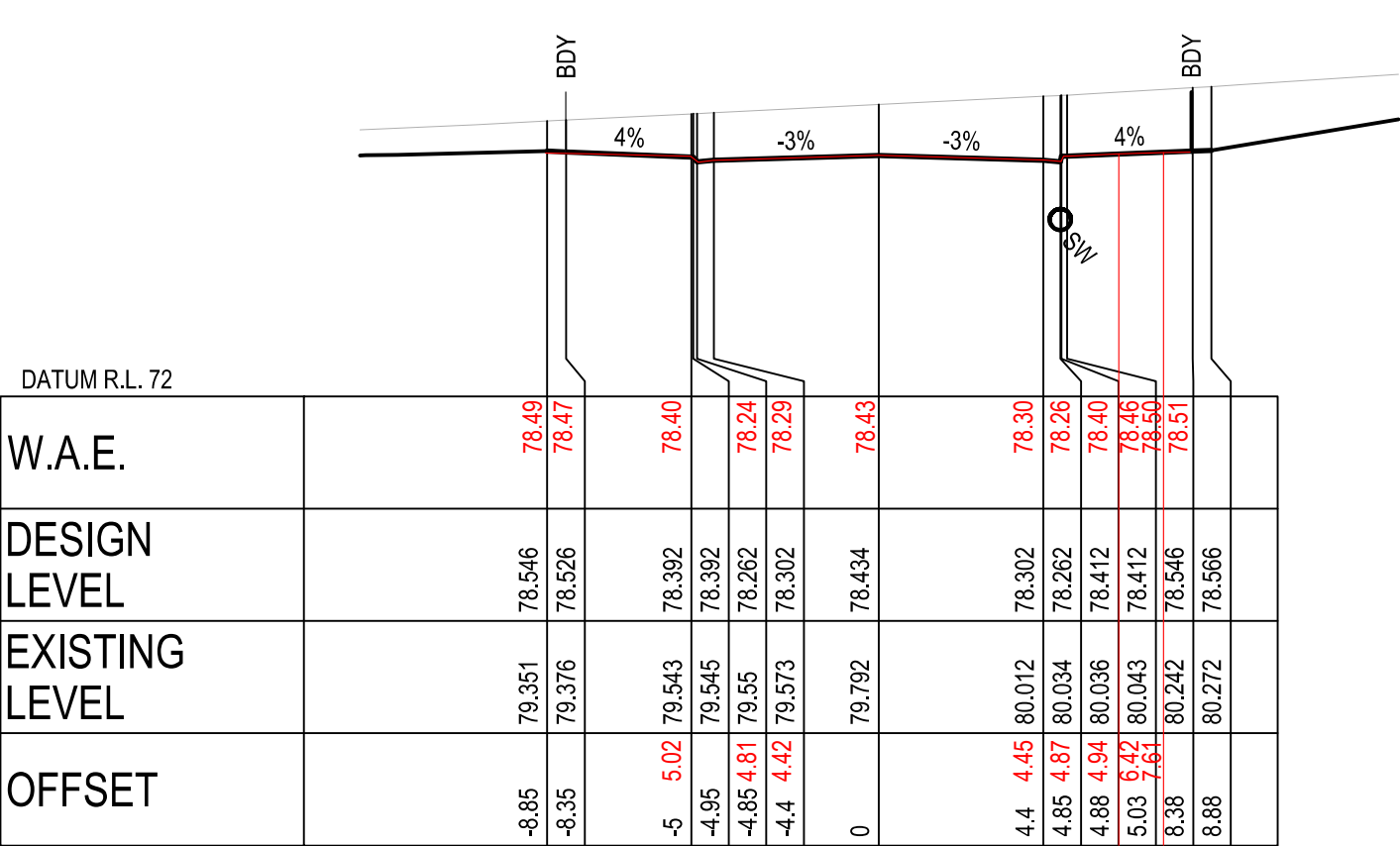
CH 49.92



CH 105



CH 90



CH 77.42

ROAD 40

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LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
INDICATIVE STORMWATER ALIGNMENT	

WORKS AS EXECUTED

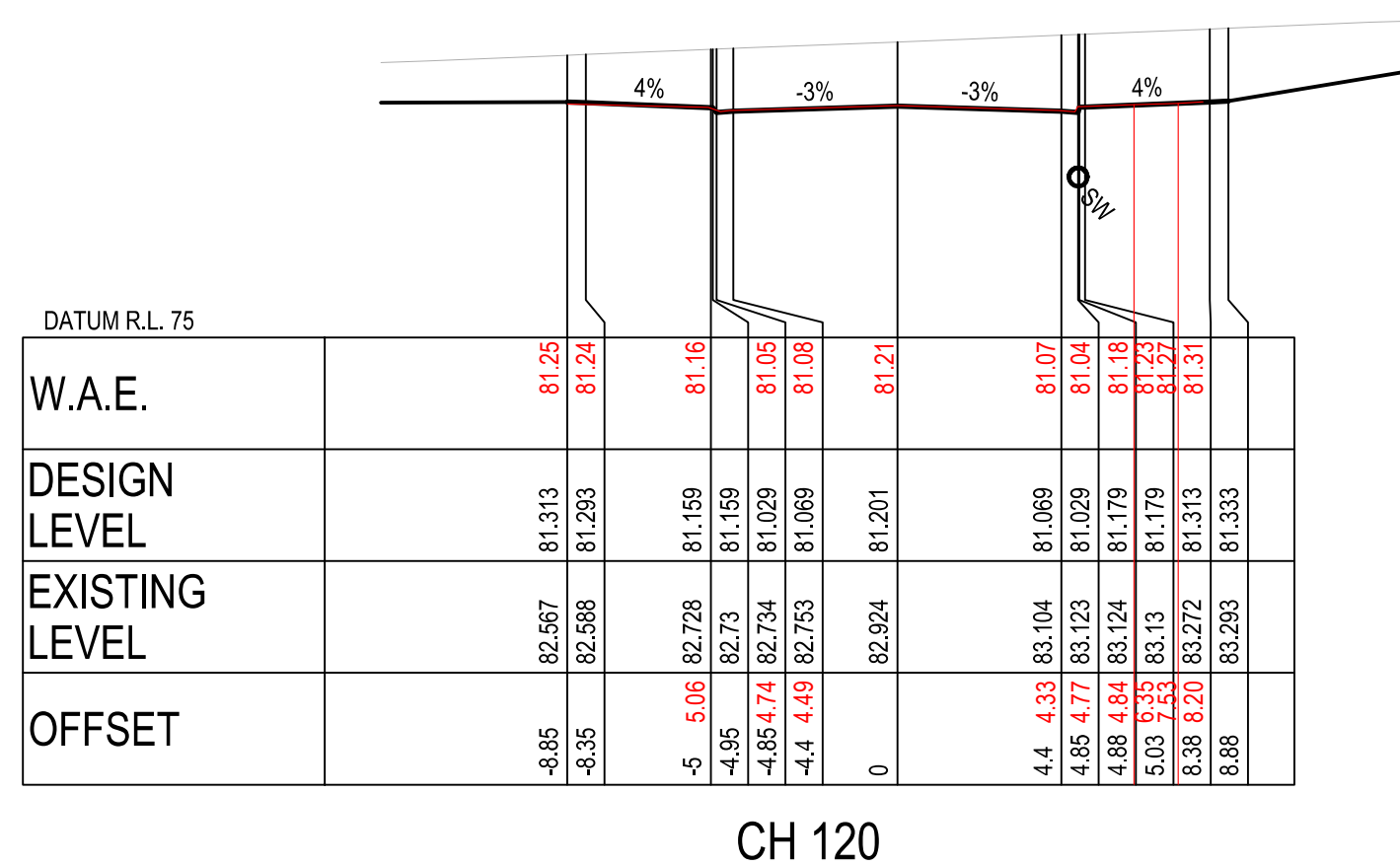
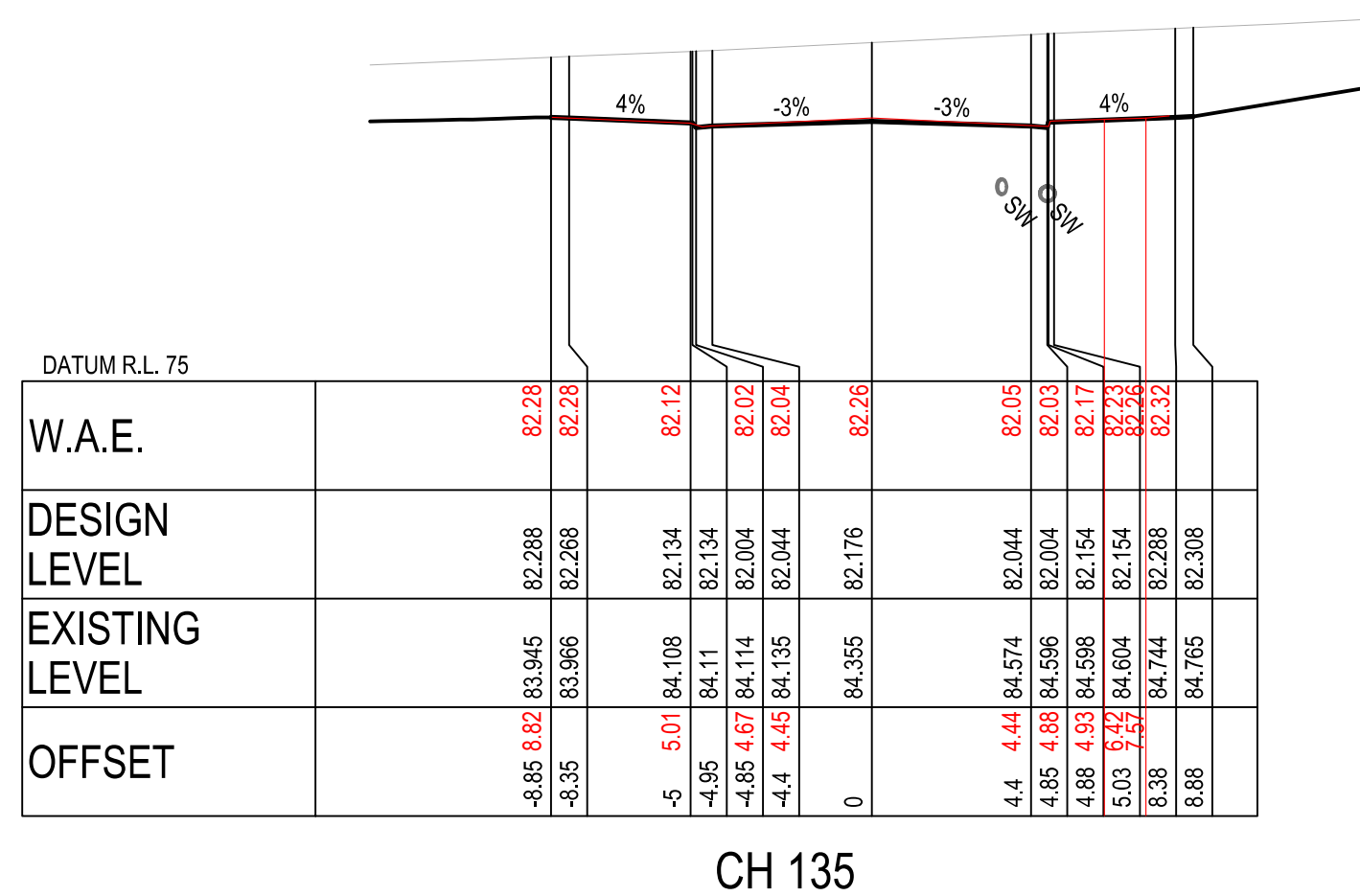
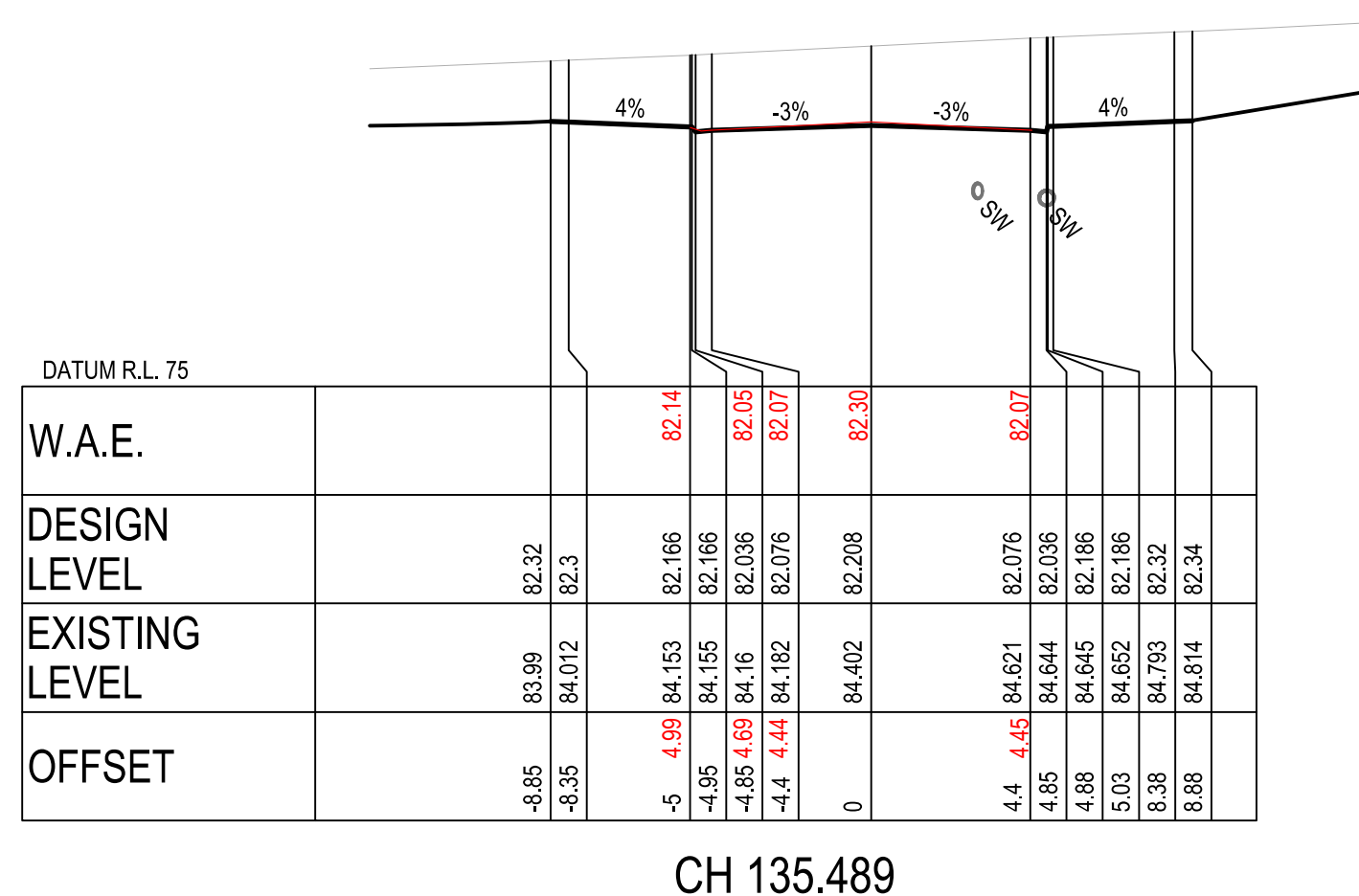
WORKS AS EXECUTED INFORMATION SHOWN IN RED.

DATE: 15/09/2025



REGISTERED SURVEYOR ID: 8890

ORION GROUP



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APPROVAL

25/02/2025

SUBDIVISION WORKS CERTIFICATE

DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.1

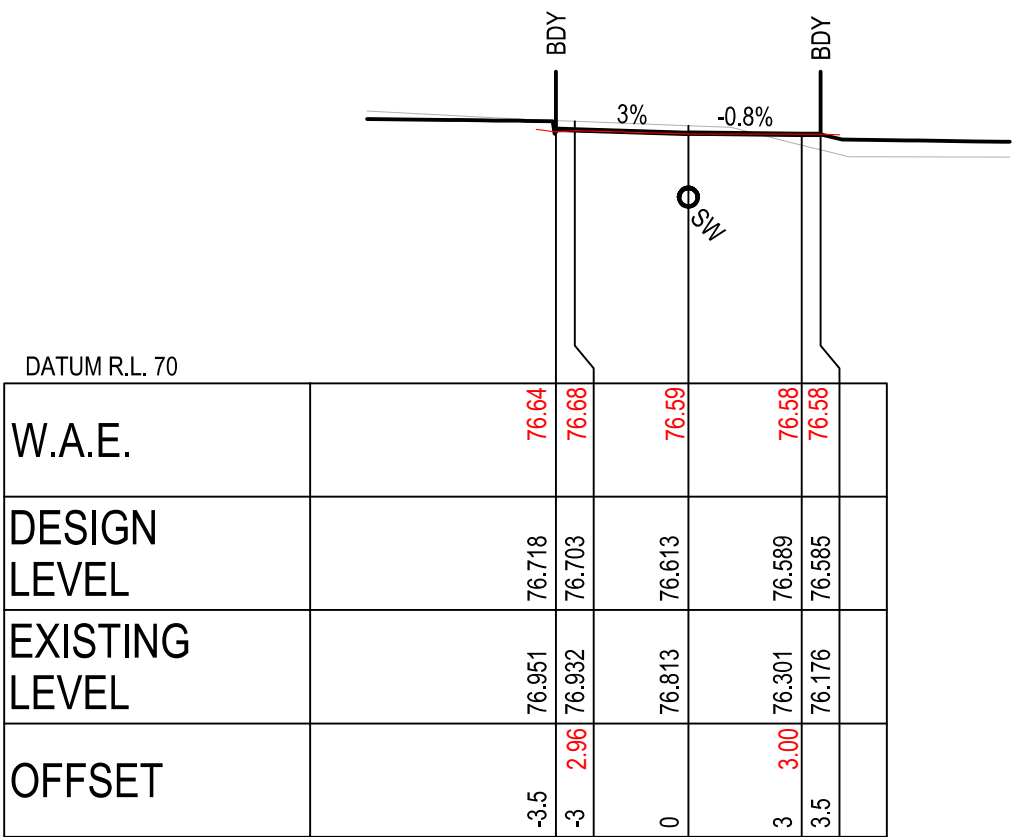
ROAD 40

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

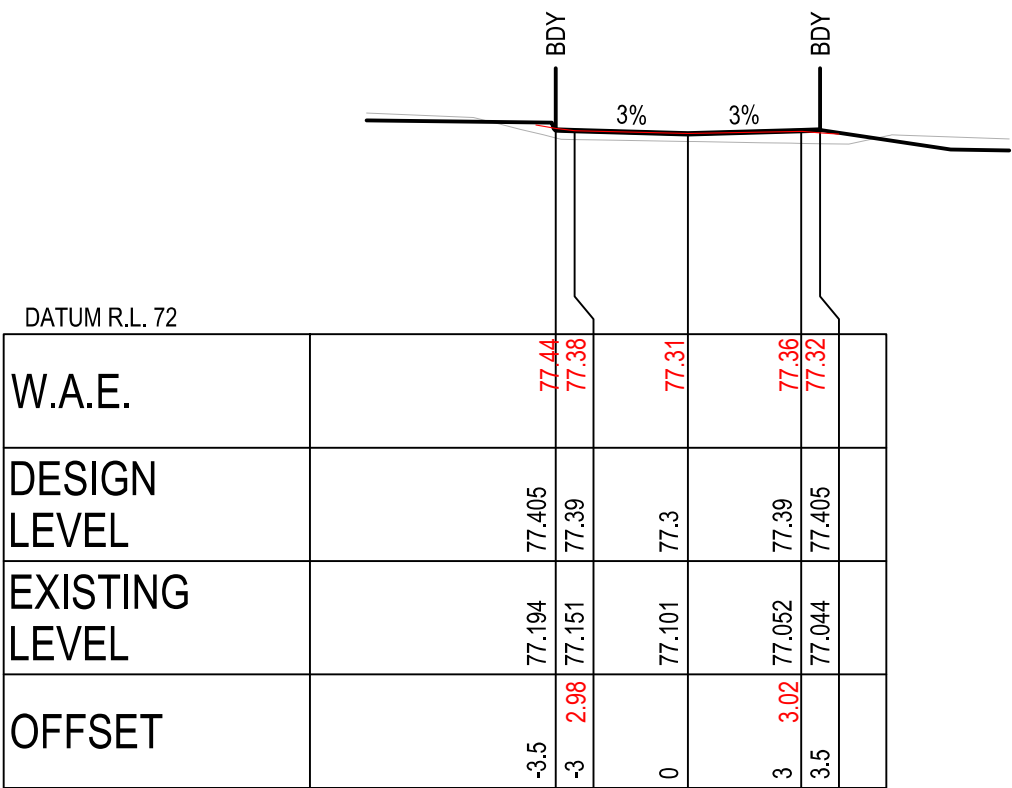
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LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
INDICATIVE STORMWATER ALIGNMENT	o _{SW}

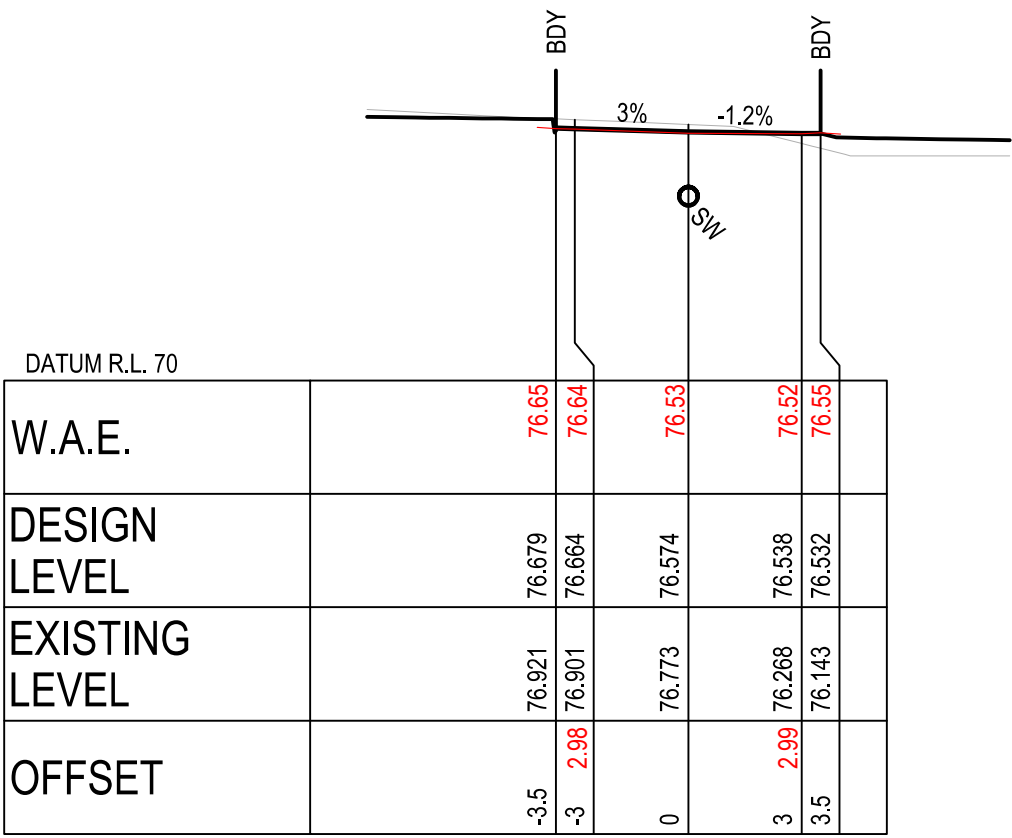
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025
Mark Matthews
REGISTERED SURVEYOR ID: 8890
ORION GROUP



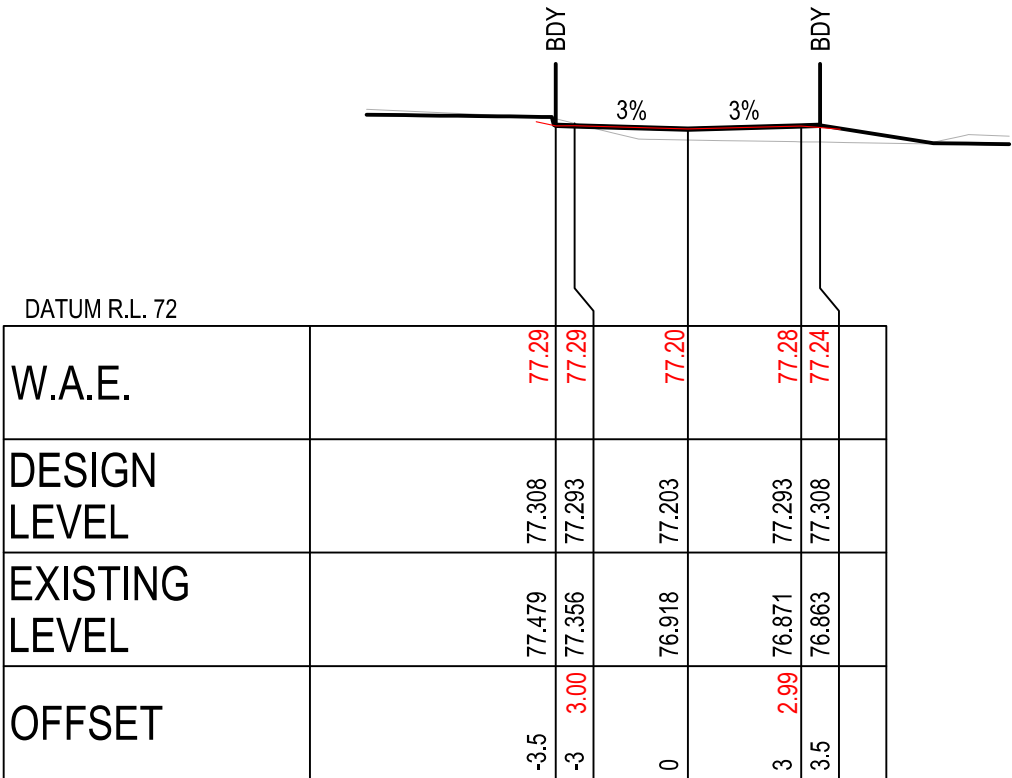
CH 181.479



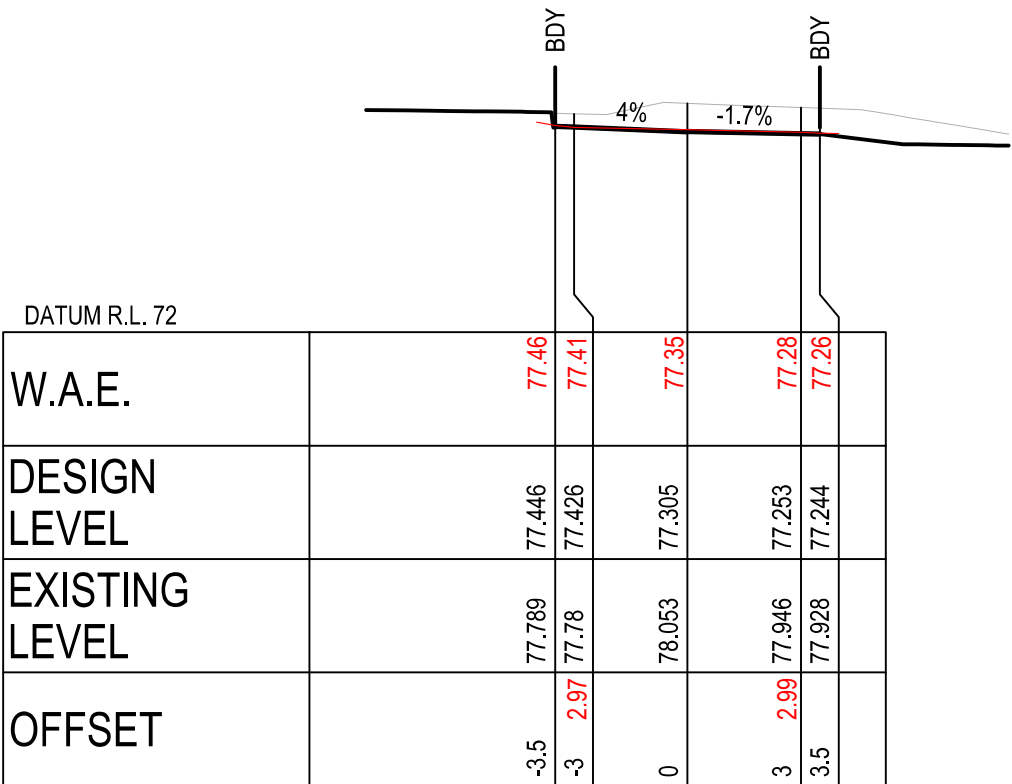
CH 210



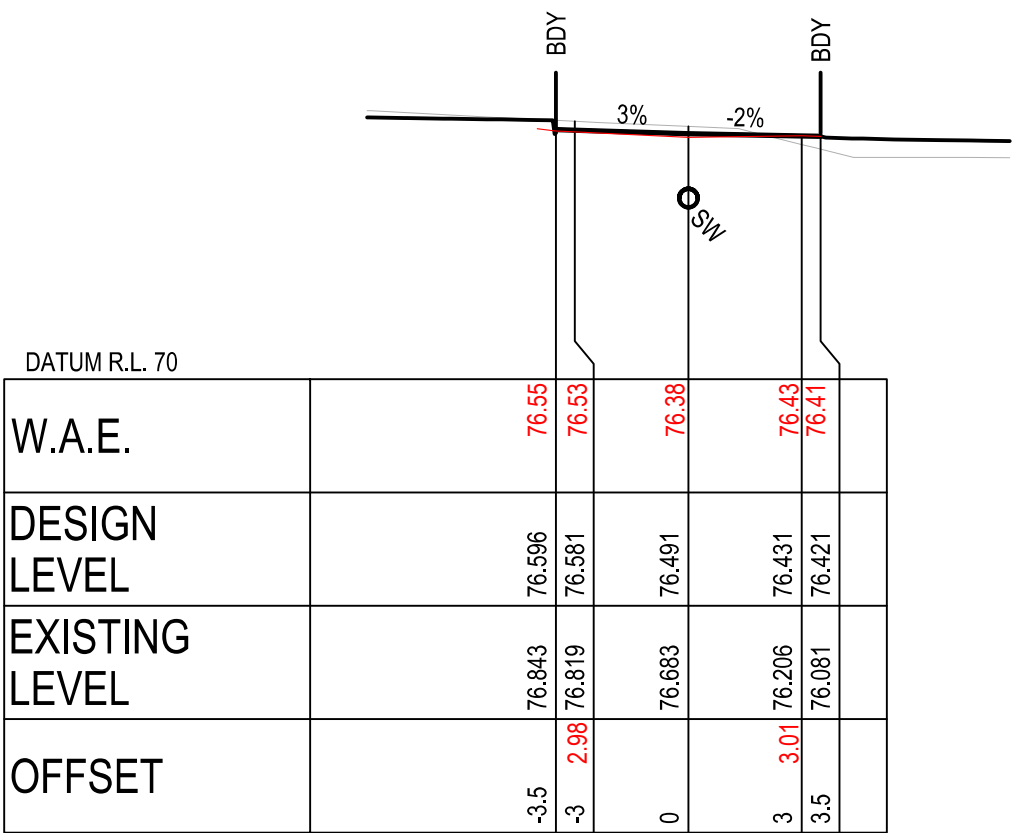
CH 180



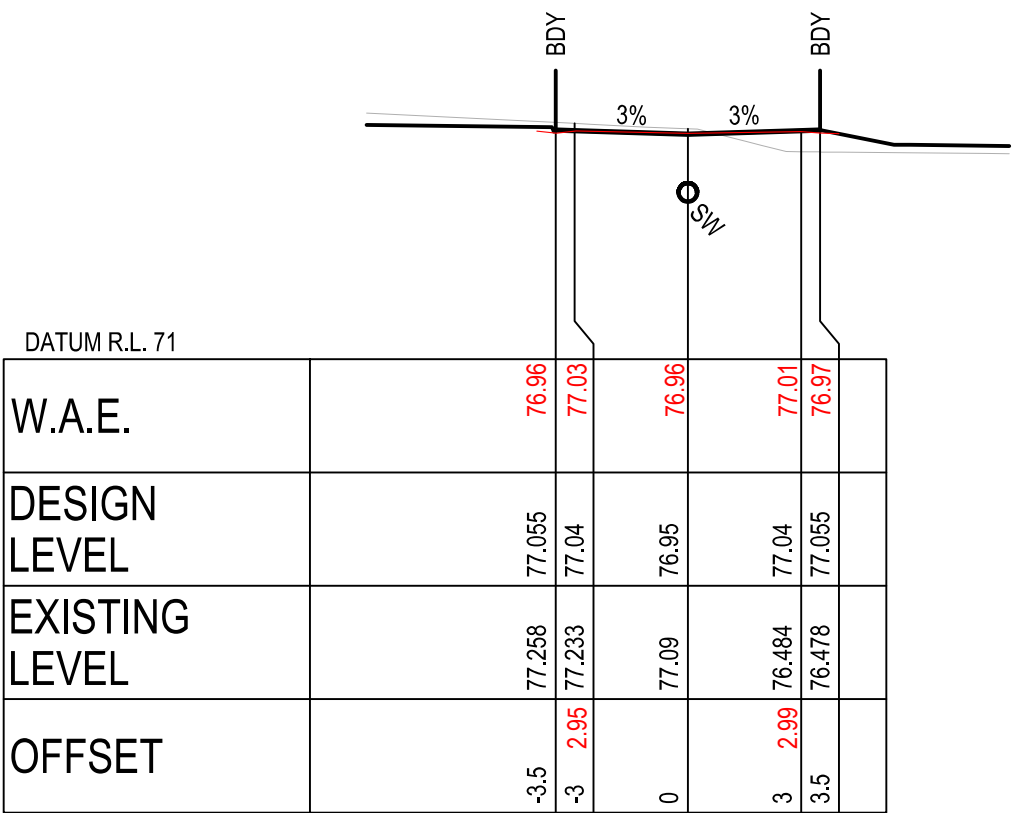
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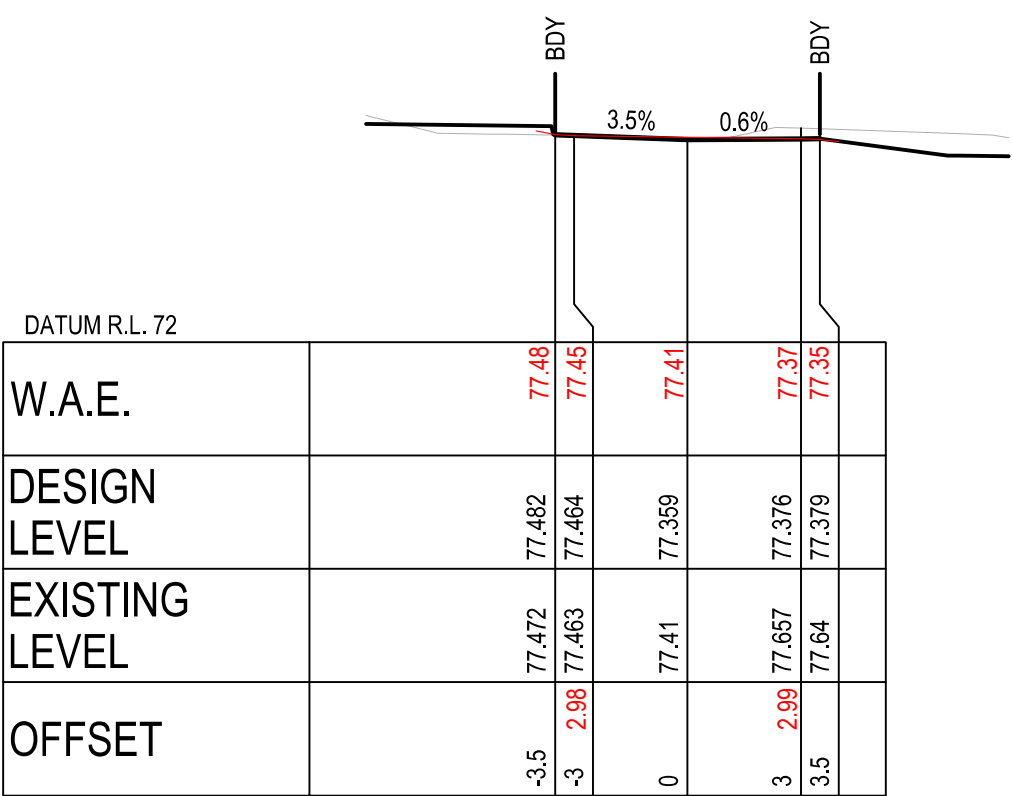
CH 225



CH 177.238



CH 195



CH 217.664

LANEWAY 01

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25/02/2025
SUBDIVISION WORKS CERTIFICATE
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2

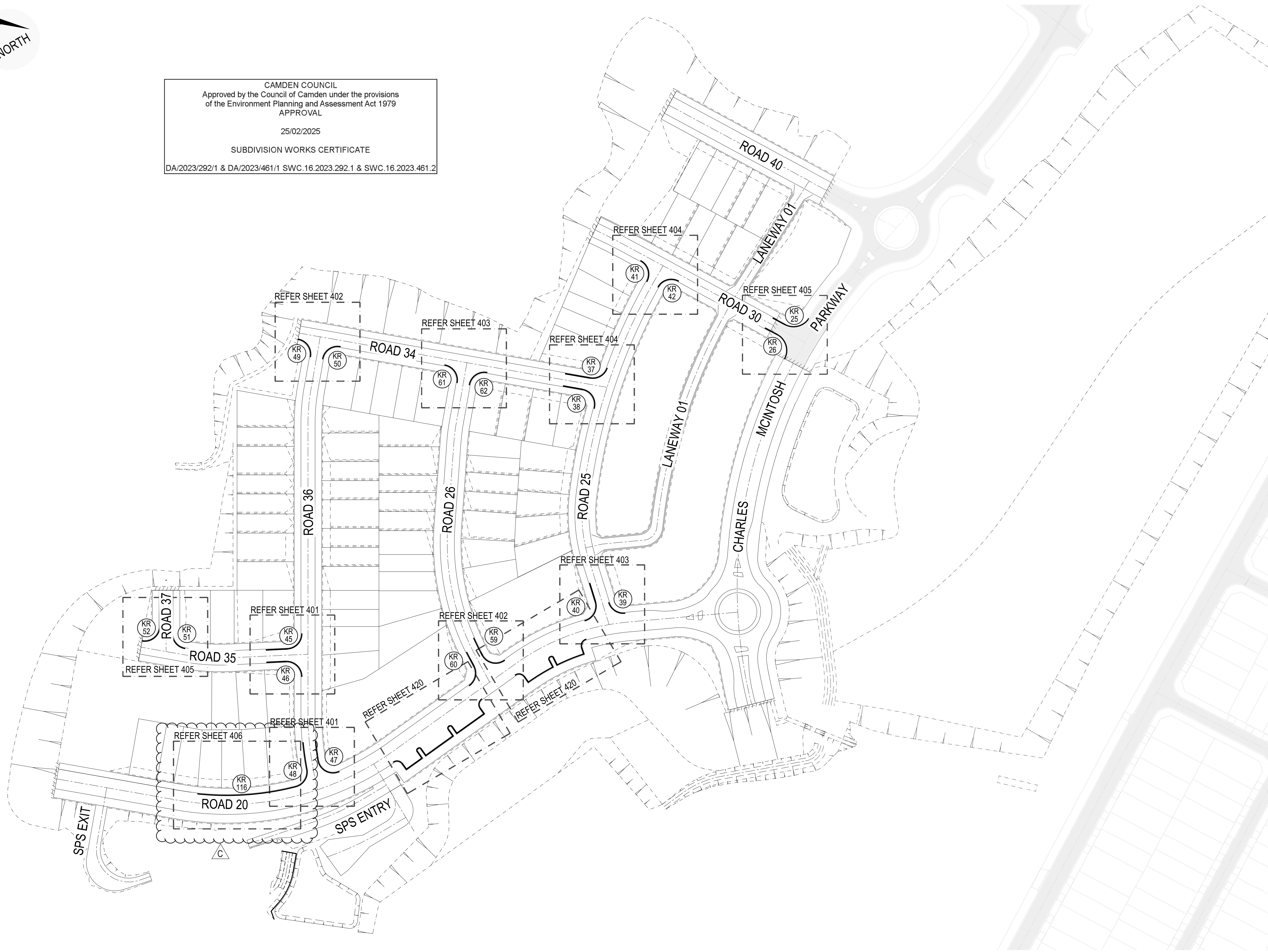
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Project No.	Set No.	Milestone	Plan	Revision																					
23-0579	01	SWC	377	C																					
C	WP	LMc	MP	MP	10/02/2025											AMENDED TO SUIT COUNCIL COMMENTS									
B	WP	LMc	MP	MP	30/10/2024											AMENDED TO SUIT COUNCIL COMMENTS									
A	RL	LMc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE																			
Rev	Drawn	Design	Check	Appd.	Date	Revision Description																			



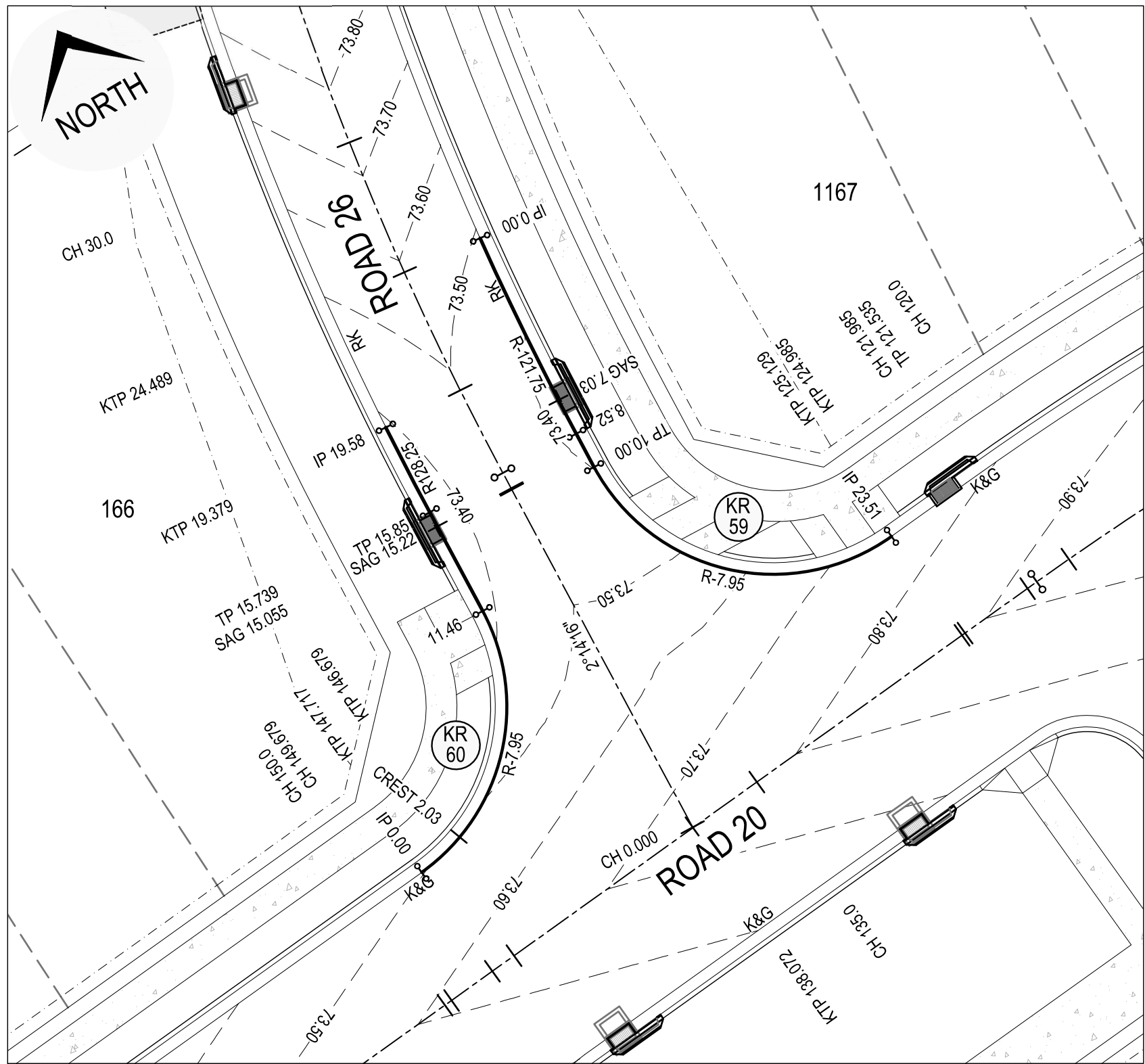
- KERB RETURNS ARE SET OUT TO THE LIP OF GUTTER.

REGISTERED SURVEYOR ID: 8890
ORION GROUP

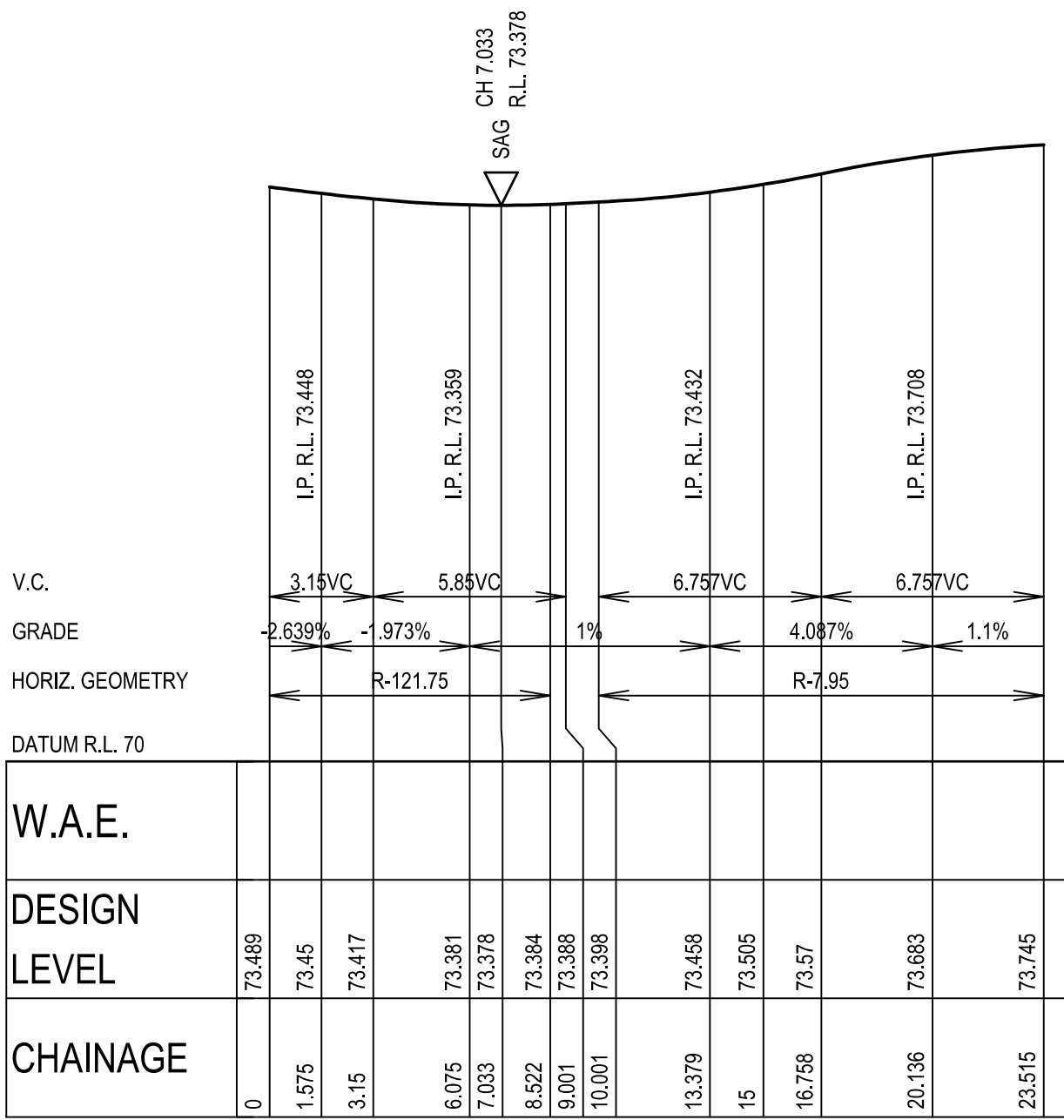


SUBDIVISION WORKS CERTIFICATE

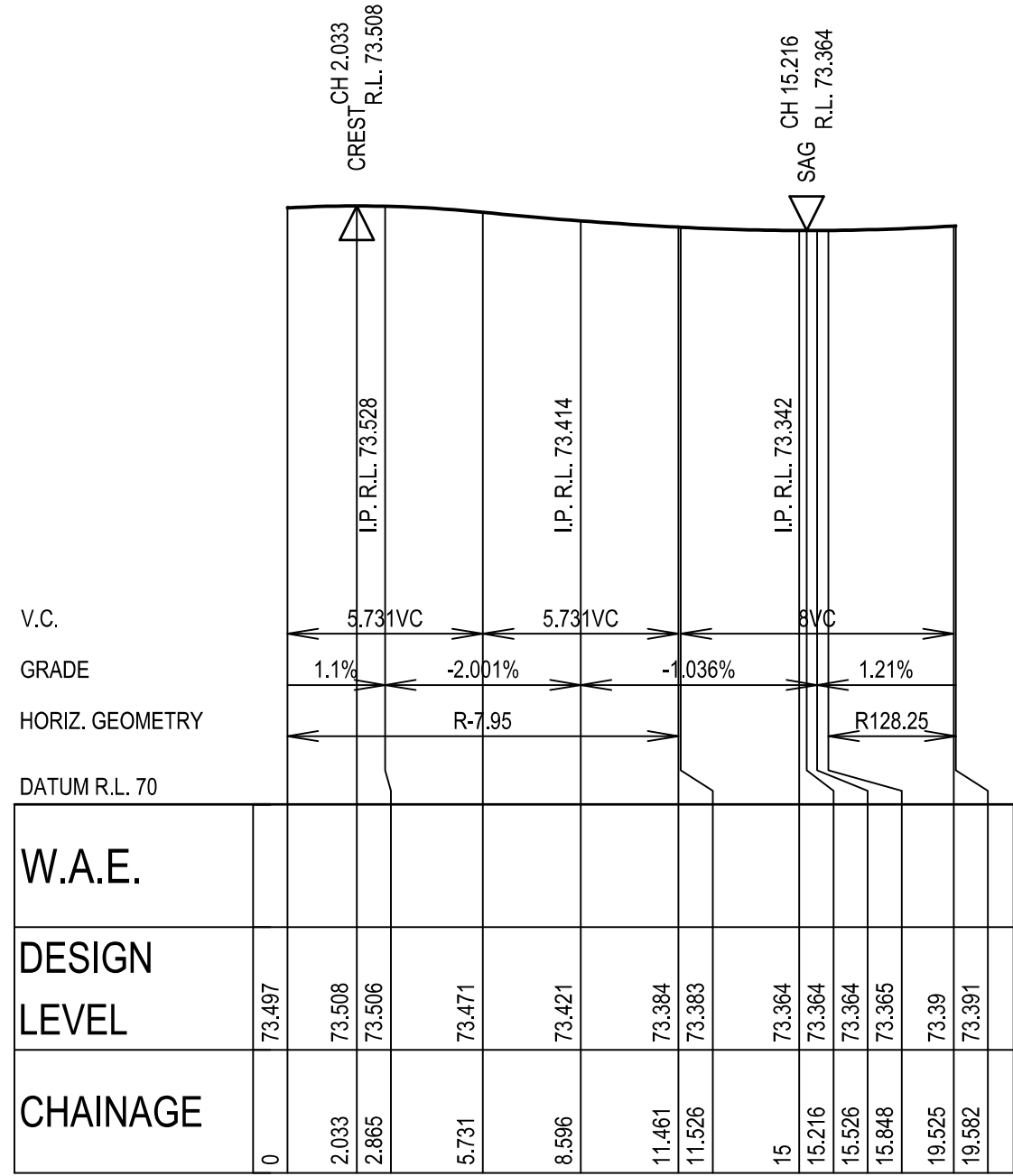
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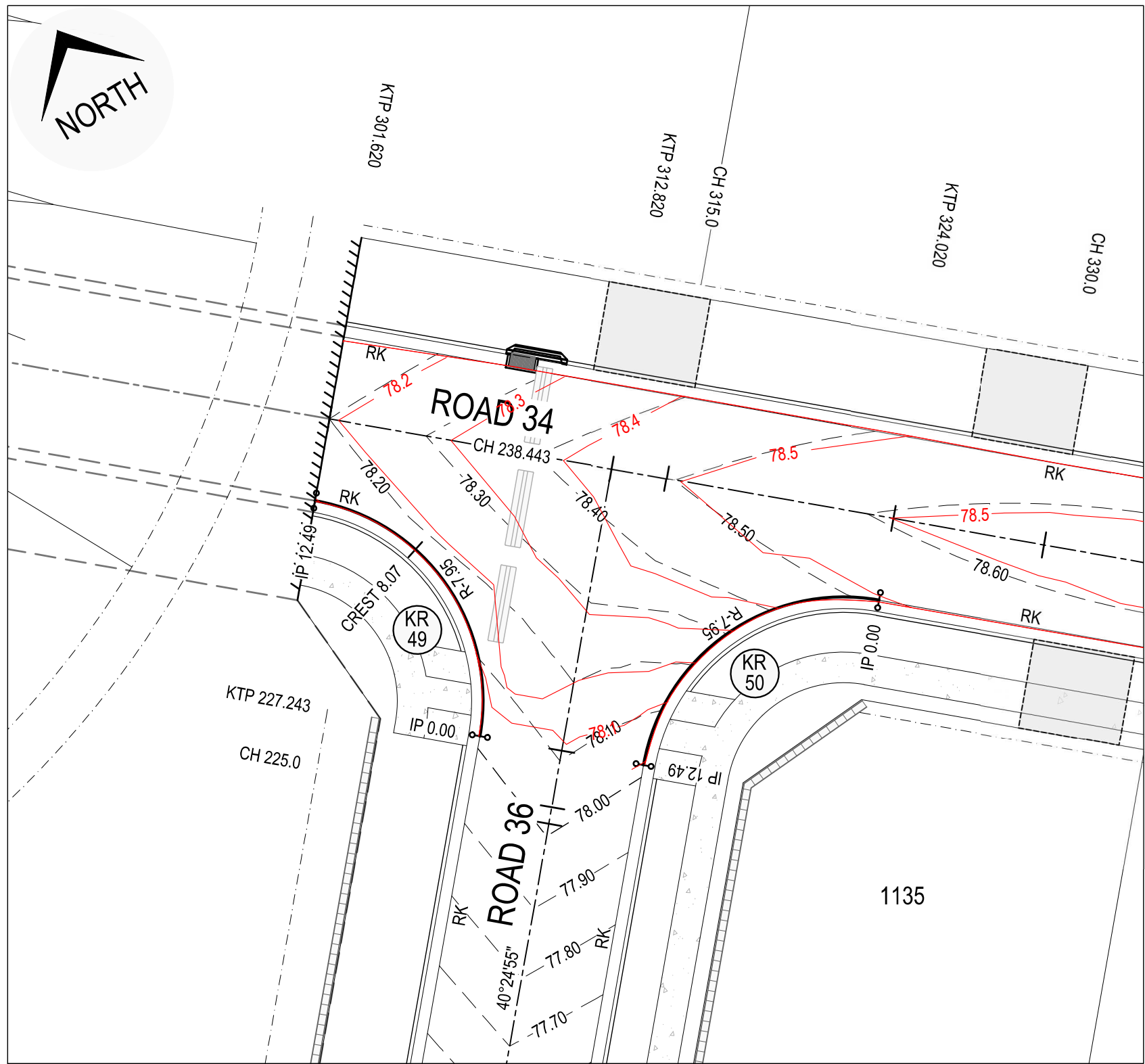
KERB RETURN PLAN - KR 59 & KR 60
SCALE 1:200



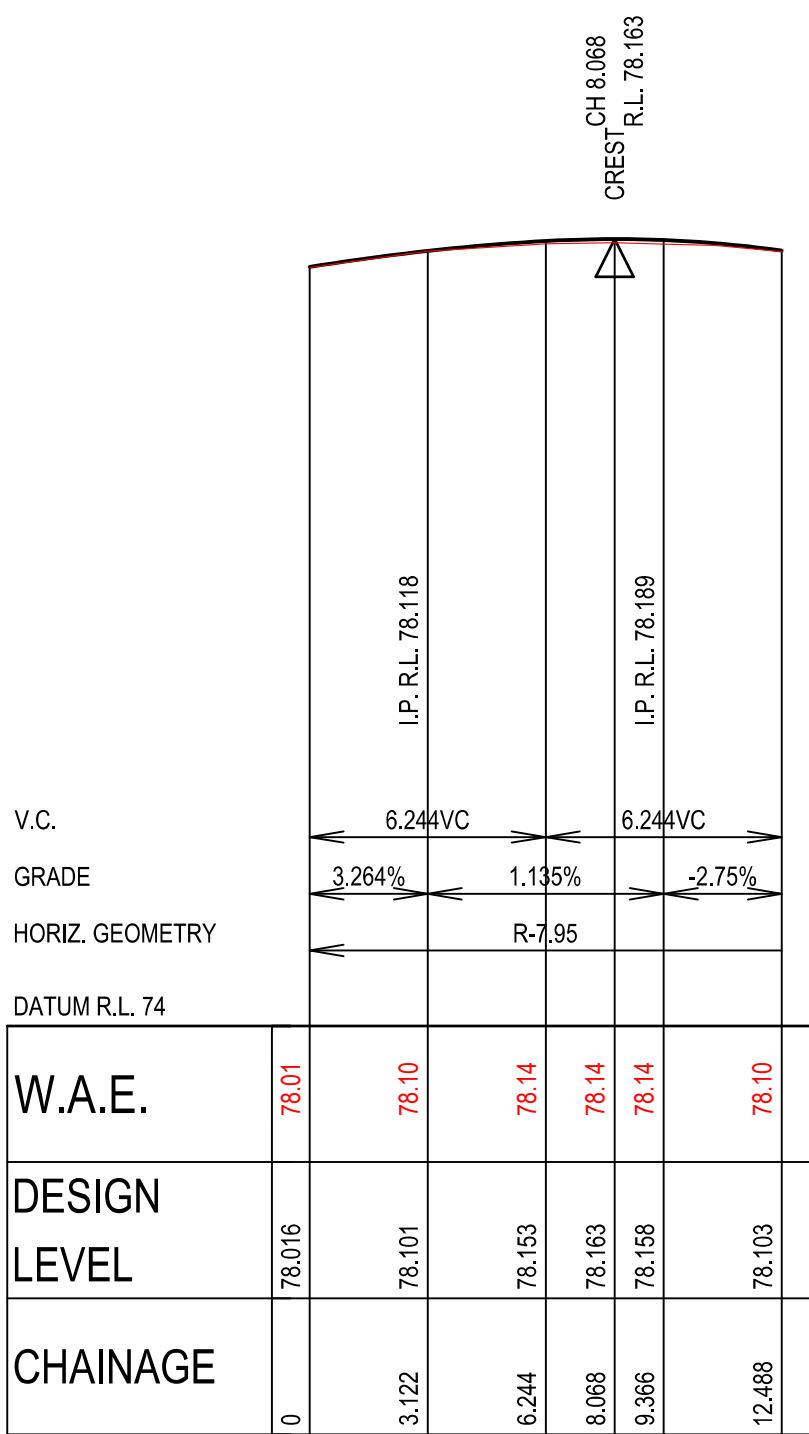
KERB RETURN KR 59
SCALE 1:200 (H)
SCALE 1:40 (V)



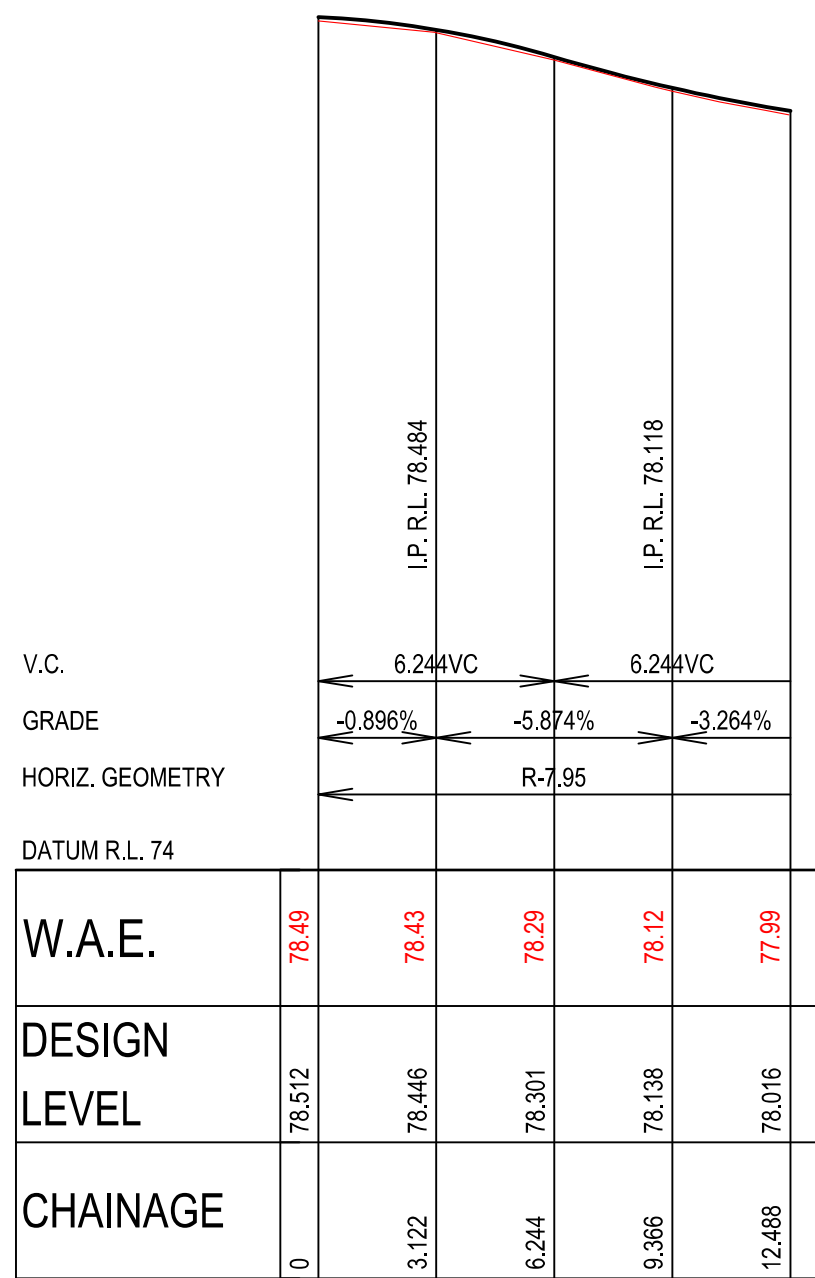
KERB RETURN KR 60
SCALE 1:200 (H)
SCALE 1:40 (V)



KERB RETURN PLAN - KR 49 & KR 50
SCALE 1:200



KERB RETURN KR 49
SCALE 1:200 (H)
SCALE 1:40 (V)



KERB RETURN KR 50
SCALE 1:200 (H)
SCALE 1:40 (V)

NOTE:

- KERB RETURNS ARE SET OUT TO THE LIP OF GUTTER.
- FOR KERB RETURN LOCALITY PLAN REFER TO SHEET SWC 400.

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025
Mark Mathias
REGISTERED SURVEYOR ID: 8890
ORION GROUP

CAMDEN COUNCIL
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APPROVAL

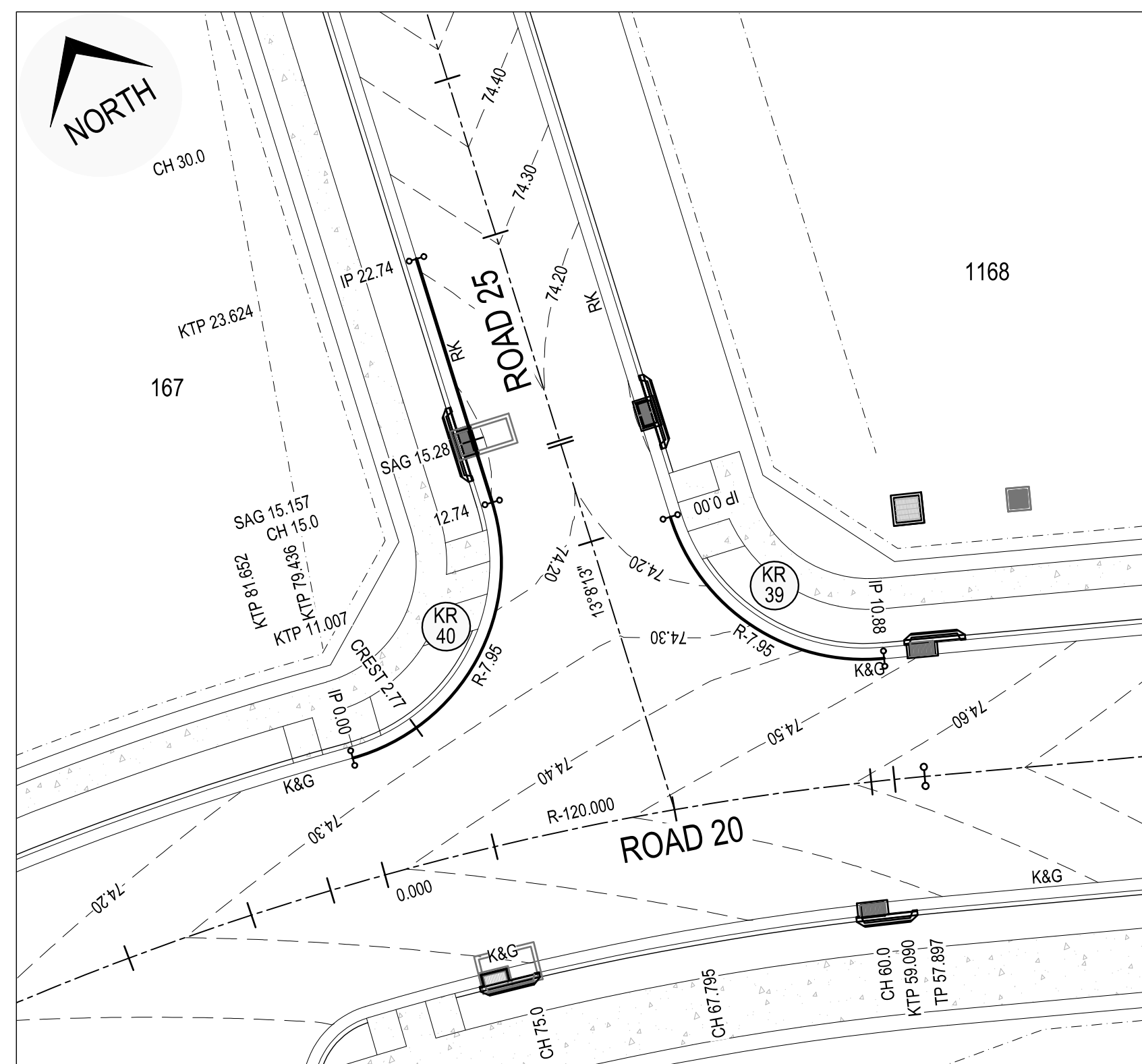
25/02/2025

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DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2

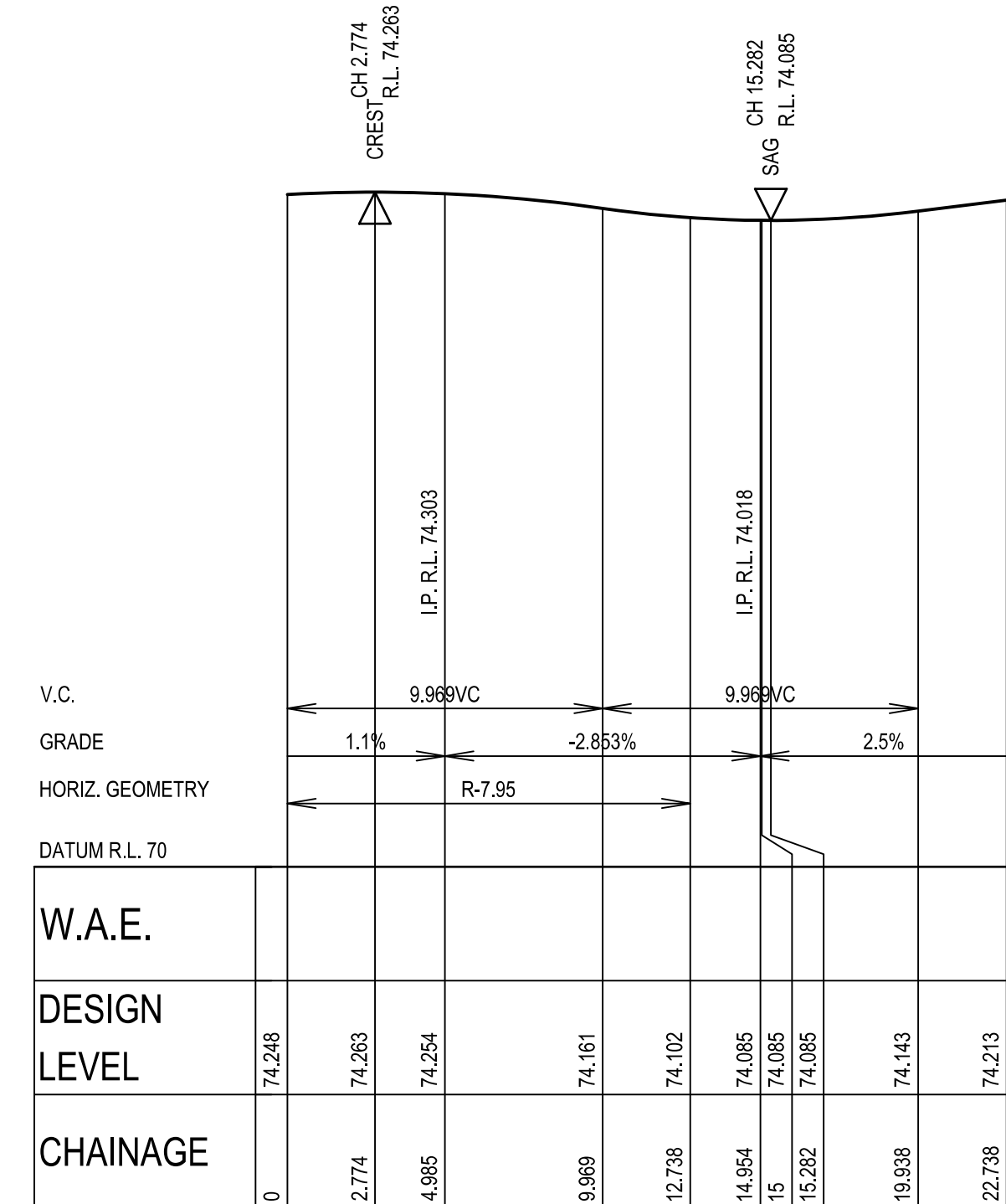
*ROAD 20 KG AMENDED
*PRAM RAMP CHANGED TO SQUARE WINGS

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KERB RETURN PLAN - KR 39 & KR 40



KERB RETURN KR 40
SCALE 1:200 (H)
SCALE 1:40 (V)

NOTE:

- KERB RETURNS ARE SET OUT TO THE LIP OF GUTTER.
- FOR KERB RETURN LOCALITY PLAN REFER TO SHEET SWC 400.

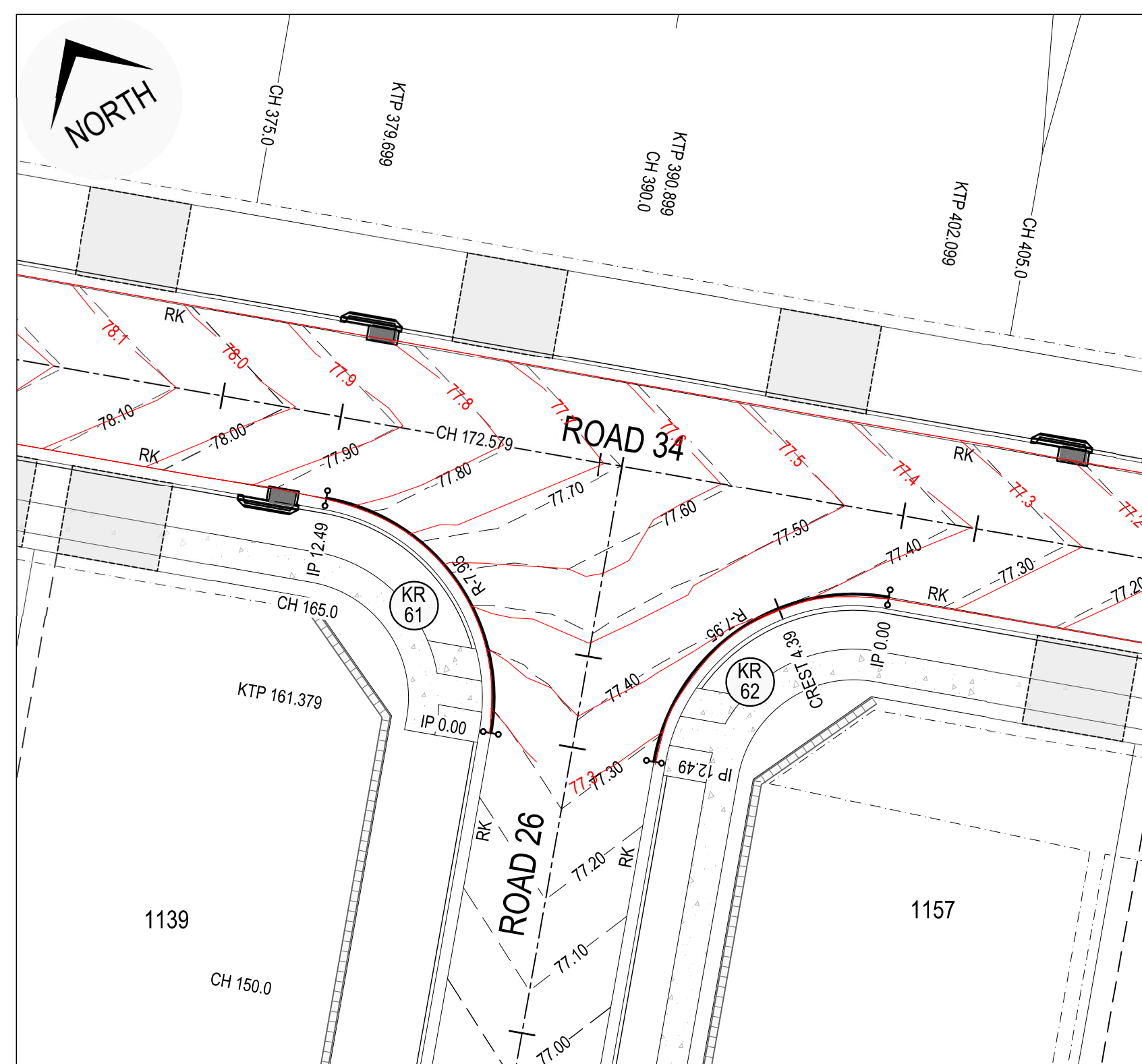
WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.

DATE: 15/09/2025

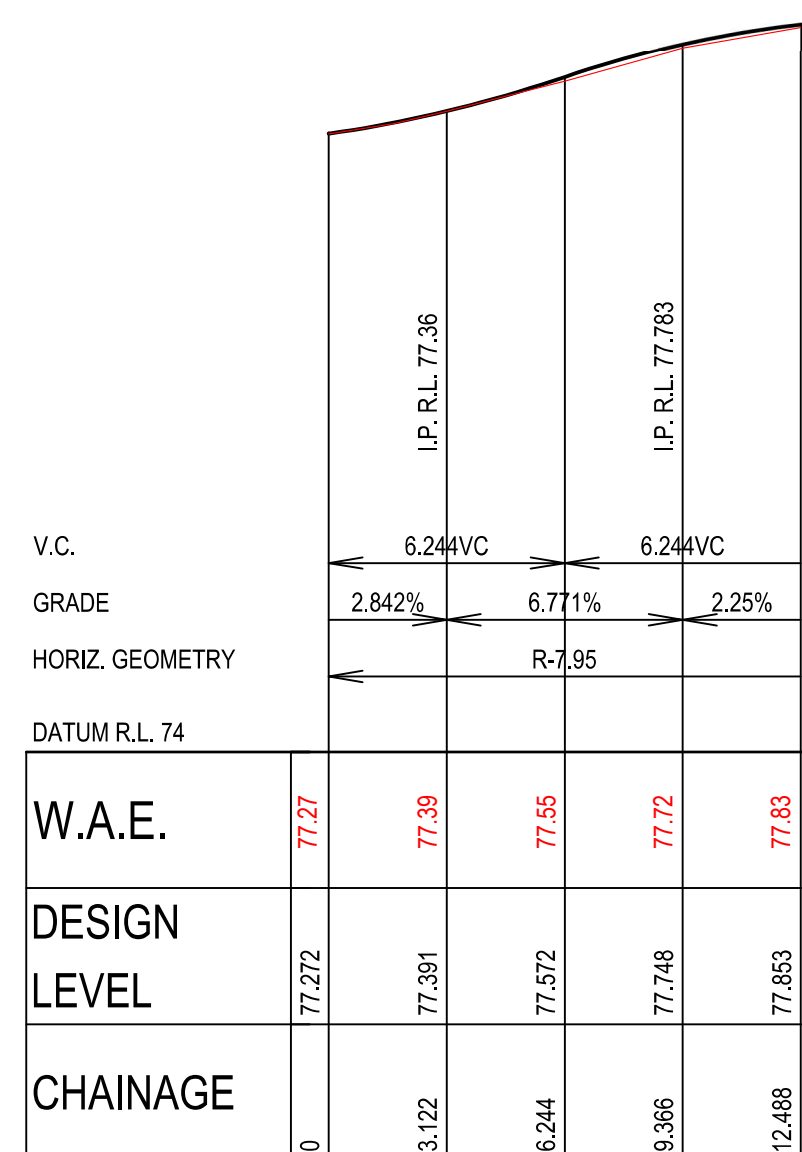


REGISTERED SURVEYOR ID: 8890
ORION GROUP

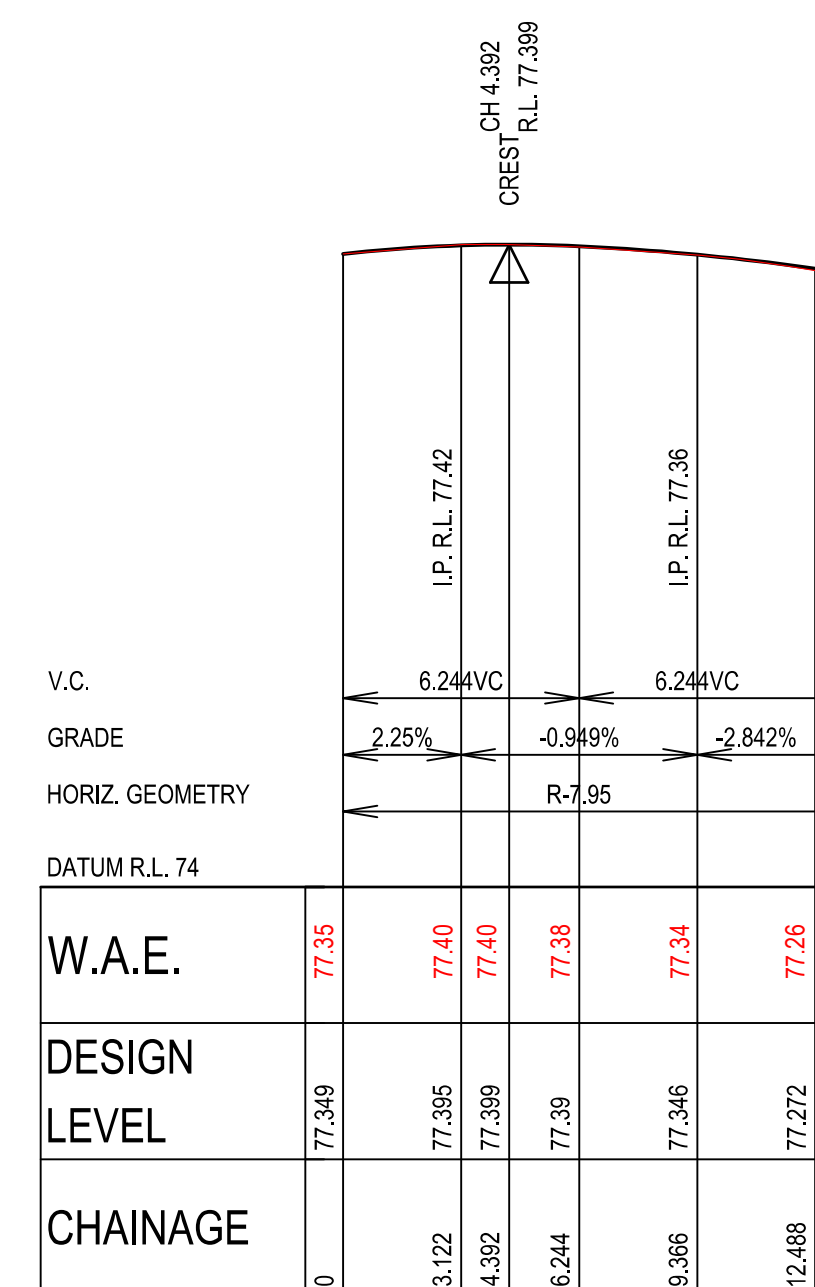


KERB RETURN PLAN - KR 61 & KR 62
SCALE 1:200

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KERB RETURN KR 61
SCALE 1:200 (H)
SCALE 1:40 (V)

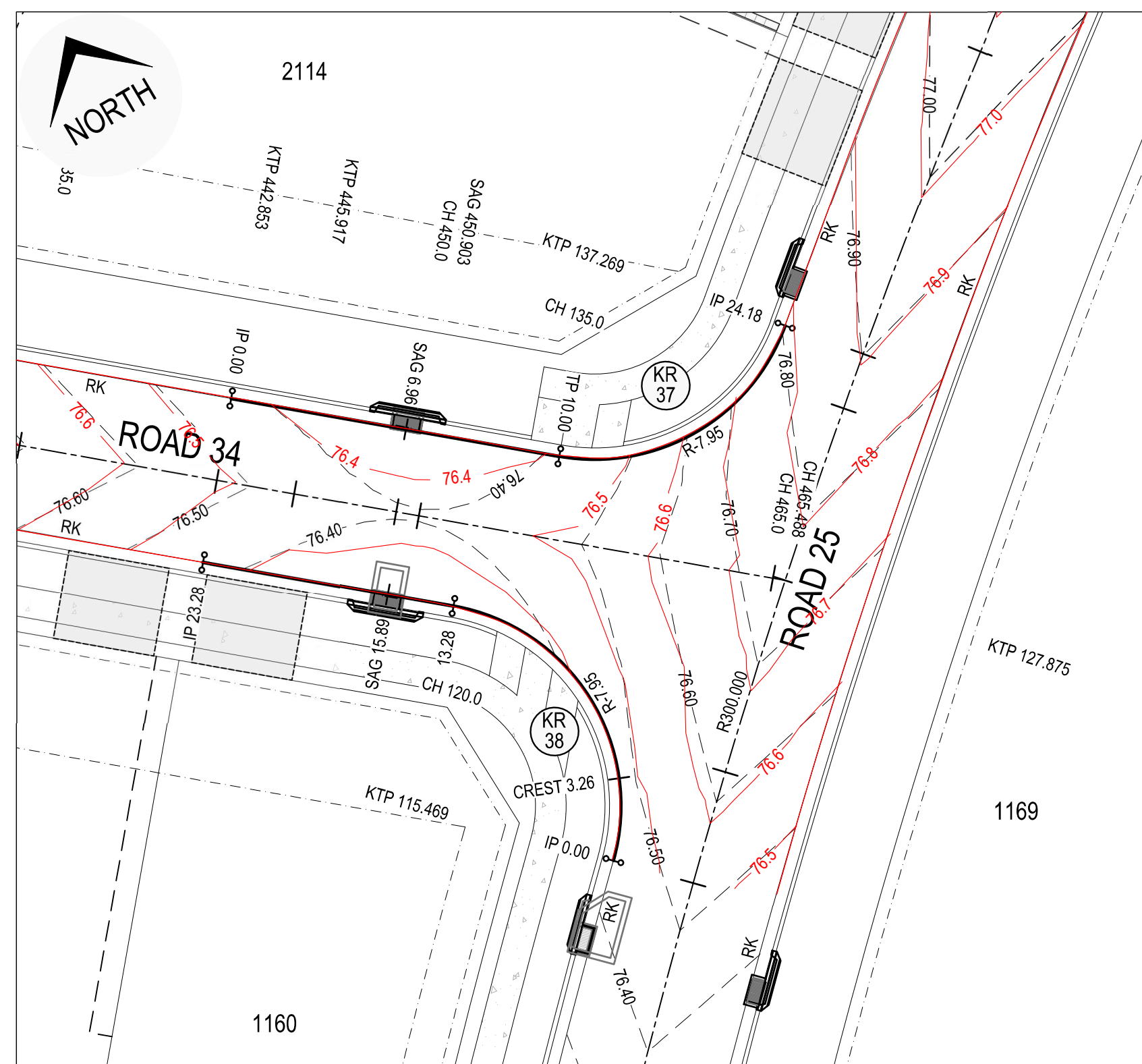


KERB RETURN KR 62
SCALE 1:200 (H)
SCALE 1:40 (V)

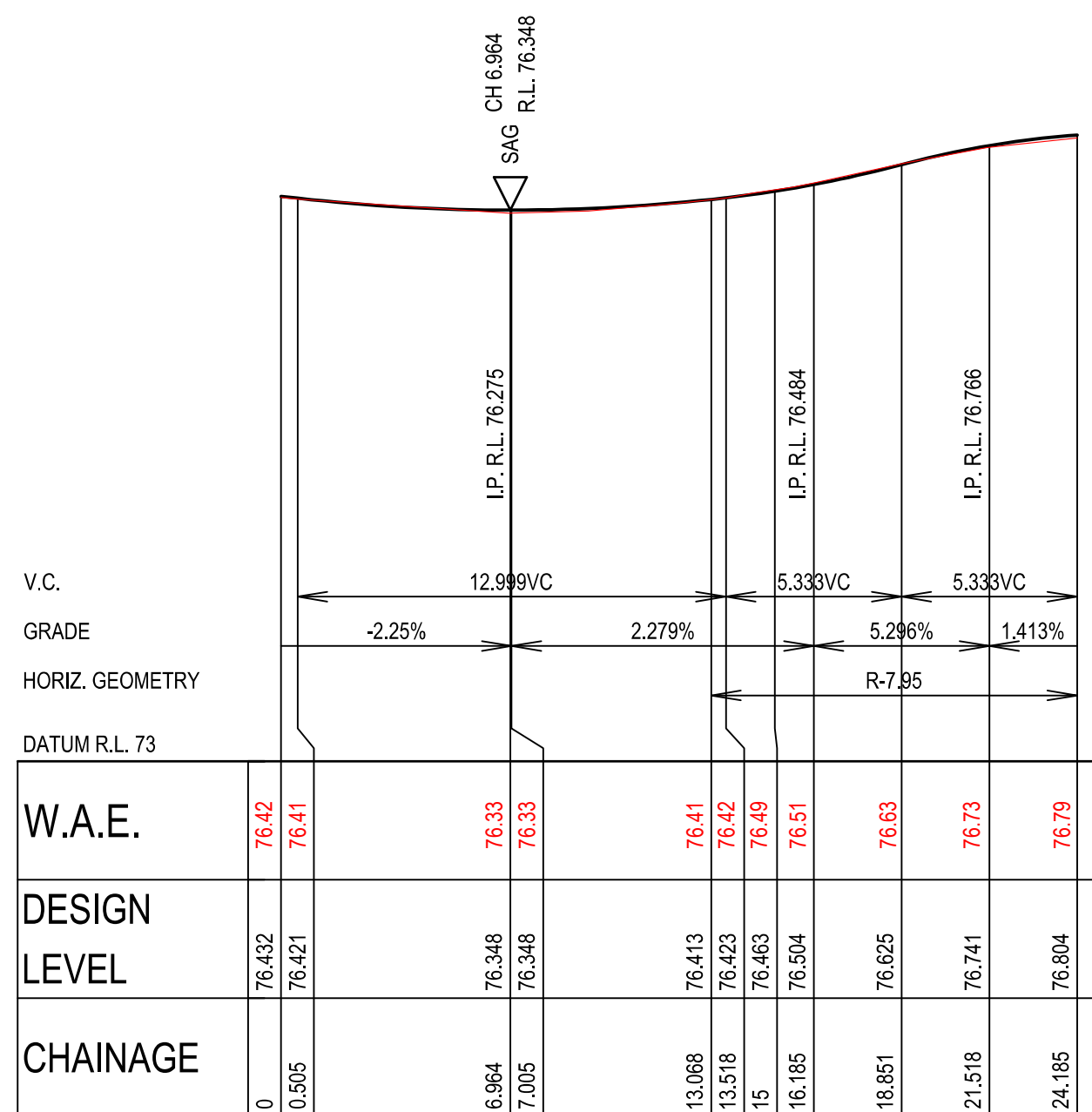
*ROAD 20 KG AMENDED
*PRAM RAMP CHANGED TO SQUARE WINGS

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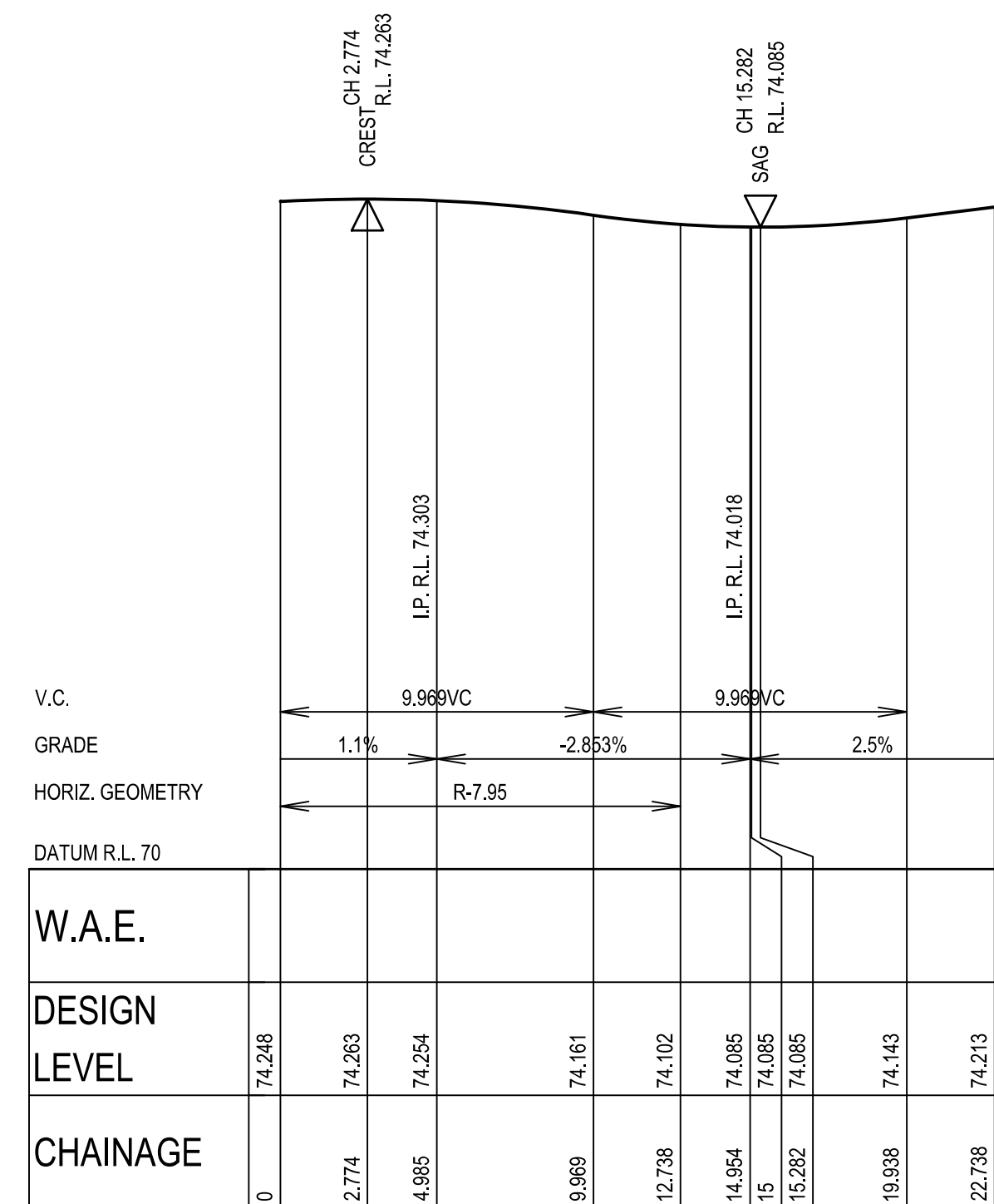
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KERB RETURN PLAN - KR 37 & KR 38
SCALE 1:200



KERB RETURN KR 37
SCALE 1:200 (H)
SCALE 1:40 (V)



KERB RETURN KR 40
SCALE 1:200 (H)
SCALE 1:40 (V)

NOTE:

- KERB RETURNS ARE SET OUT TO THE LIP OF GUTTER.
- FOR KERB RETURN LOCALITY PLAN REFER TO SHEET SWC 400.

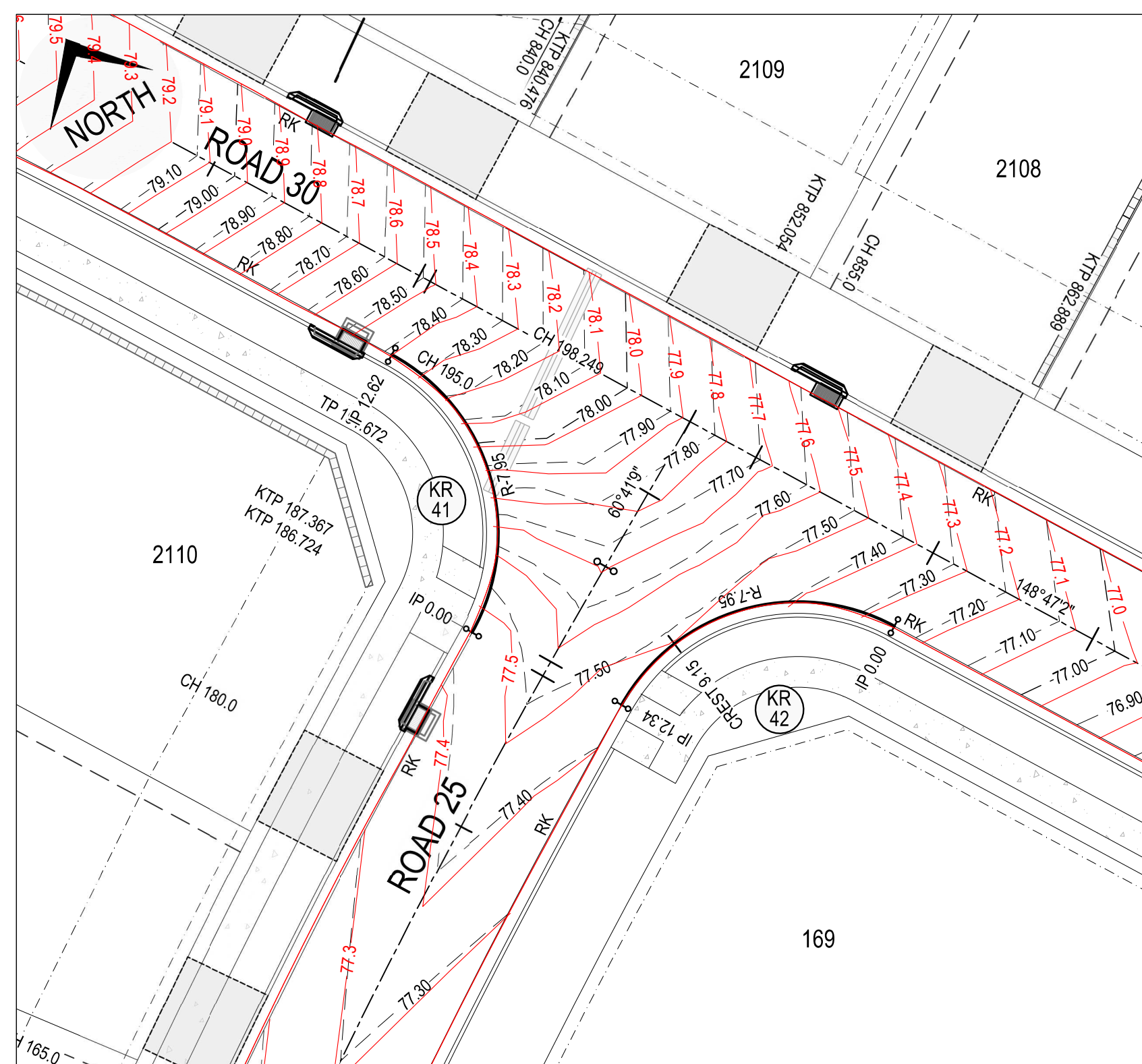
WORKS AS EXECUTED

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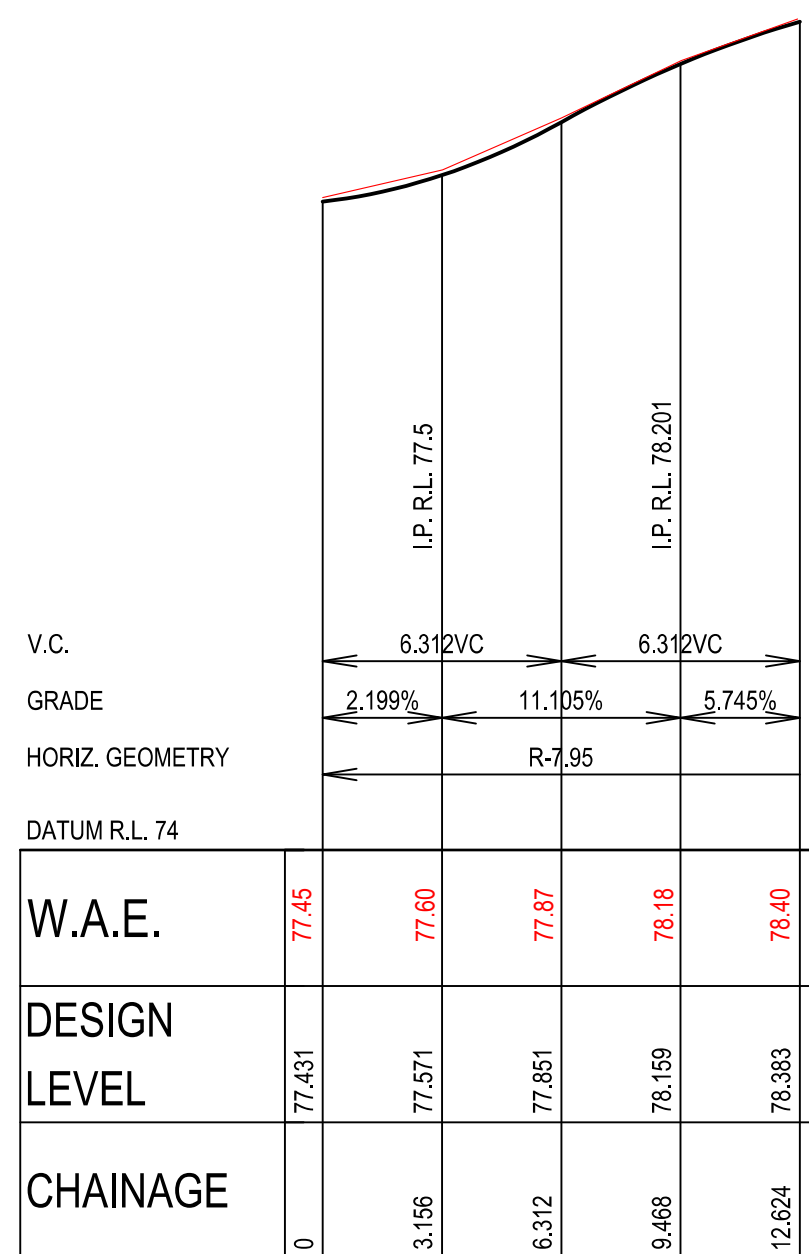
DATE: 15/09/2025



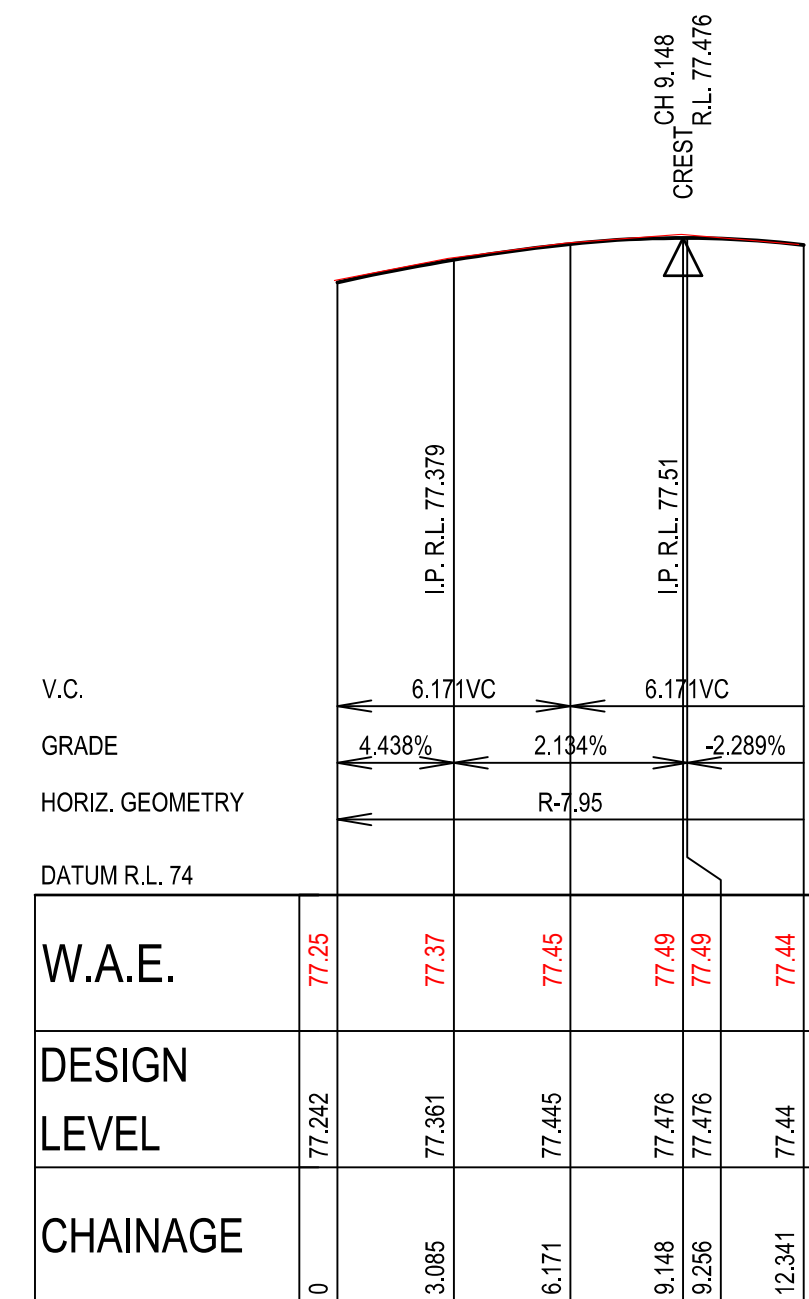
REGISTERED SURVEYOR ID: 8890
ORION GROUP



KERB RETURN PLAN - KR 41 & KR 42
SCALE 1:200



KERB RETURN KR 41
SCALE 1:200 (H)
SCALE 1:40 (V)



KERB RETURN KR 42
SCALE 1:200 (H)
SCALE 1:40 (V)

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*ROAD 20 KG AMENDED
*PRAM RAMP CHANGED TO SQUARE
WINGS

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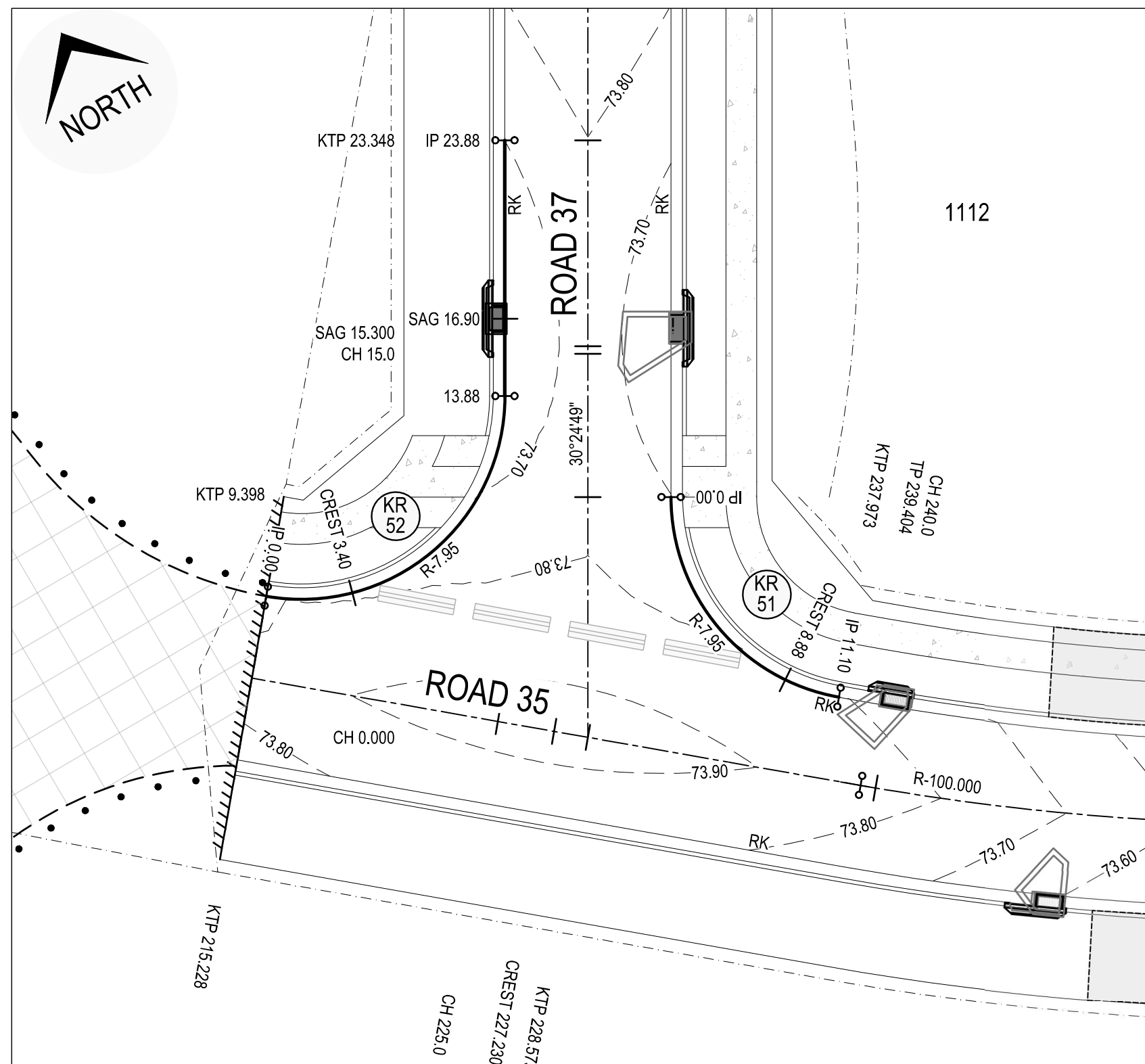
[illegible]

- KERB RETURNS ARE SET OUT TO THE LIP OF GUTTER.
- FOR KERB RETURN LOCALITY PLAN REFER TO SHEET SWC 400.

V.C.	GRADE	HORIZ. GEOMETRY
DATUM R.L. 72		
W.A.E.	75.61	75.59
DESIGN LEVEL	75.601	75.58
CHAINAGE	0	4.222
		5.772
		7
		11.543
		15
		16.265
		20.968

V.C.	GRADE	HORIZ. GEOMETRY	DATUM R.L. 72
			W.A.E.
			DESIGN LEVEL
			CHAINAGE
			0
			0.50
			4.108
			5.983
			11.986
			14.792
			15
			16.889
			21.792

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CHAINAGE	LEVEL	DESIGN	W.A.E.
0	73.701		
2.775	73.74		
5.55	73.768		
8.325	73.819		
11.1	73.862		
	73.82		

[illegible]

*ROAD 20 KG AMENDED
*PRAM RAMP CHANGED TO SQUARE WINGS

[illegible]

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DATE: 15/09/2025

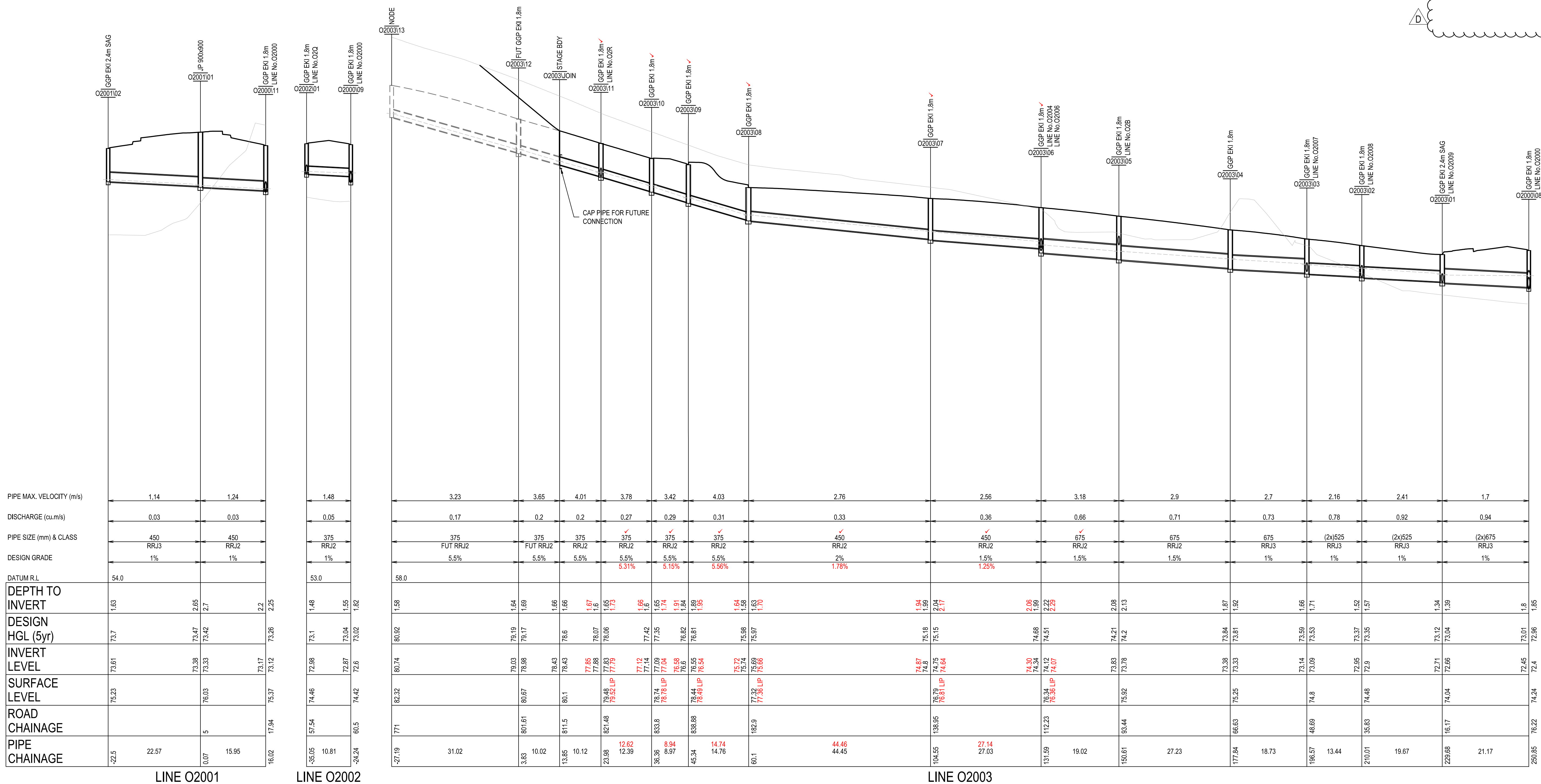


REGISTERED SURVEYOR ID: 8890

ORION GROUP

LEGEND	
EXISTING SURFACE	_____
DESIGN SURFACE	_____
FUTURE SURFACE	_____
DESIGN STORM HGL	_____
DESIGN PIPE AND PIT	_____
DESIGN TEMPORARY PIPE AND PIT	_____
EXISTING PIPE AND PIT	_____
FUTURE PIPE AND PIT	_____

- *PIPE O2000 UPSIZED
- *PIT NUMBERS AMENDED
- *HGL LOWERED



ISSUED FOR SUBDIVISION WORKS CERTIFICATE

[illegible]

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.

DATE: 15/09/2025



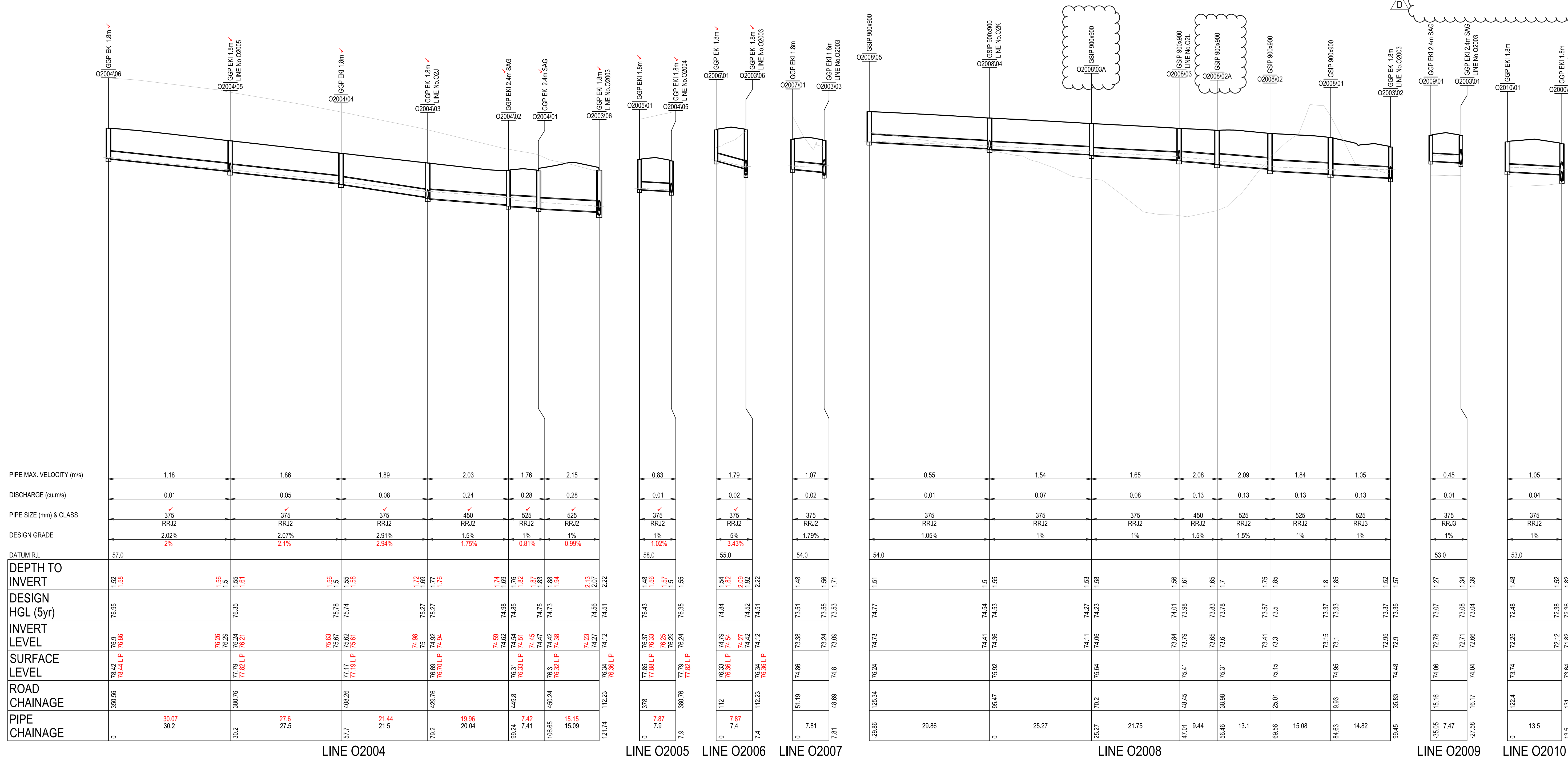
REGISTERED SURVEYOR ID: 8890

ORION GROUP

LEGEND	
EXISTING SURFACE	_____
DESIGN SURFACE	_____
FUTURE SURFACE	_____
DESIGN STORM HGL	_____
DESIGN PIPE AND PIT	_____
DESIGN TEMPORARY PIPE AND PIT	_____
EXISTING PIPE AND PIT	_____
FUTURE PIPE AND PIT	_____

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- *HGL LOWERED



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[illegible]

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DATE: 15/09/2025



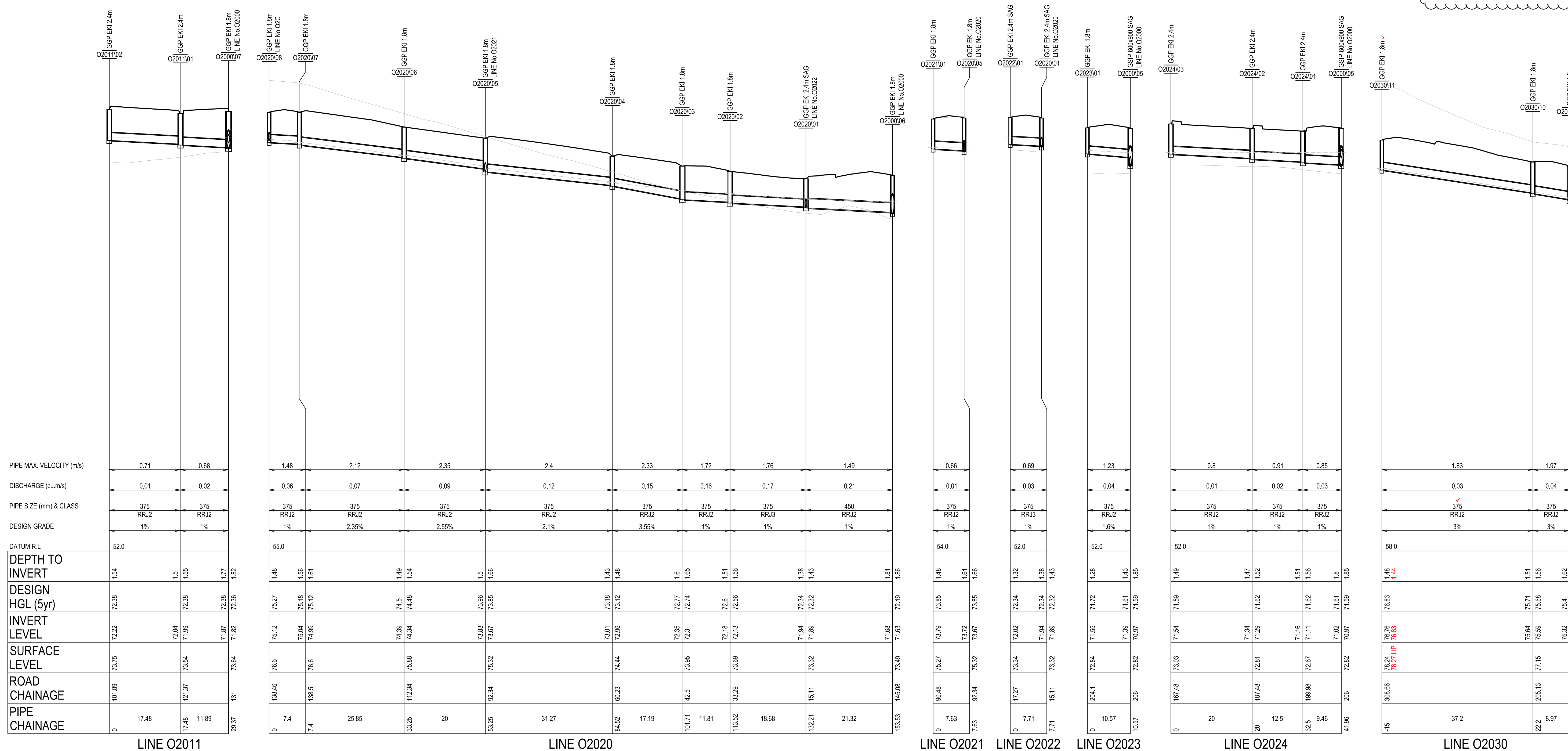
REGISTERED SURVEYOR ID: 8890

ORION GROUP

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
FUTURE SURFACE	
DESIGN STORM HGL	
DESIGN PIPE AND PIT	
DESIGN TEMPORARY PIPE AND PIT	
EXISTING PIPE AND PIT	
FUTURE PIPE AND PIT	

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- *PIPE O2000 UPSIZED
- *PIT NUMBERS AMENDED
- *HGL LOWERED



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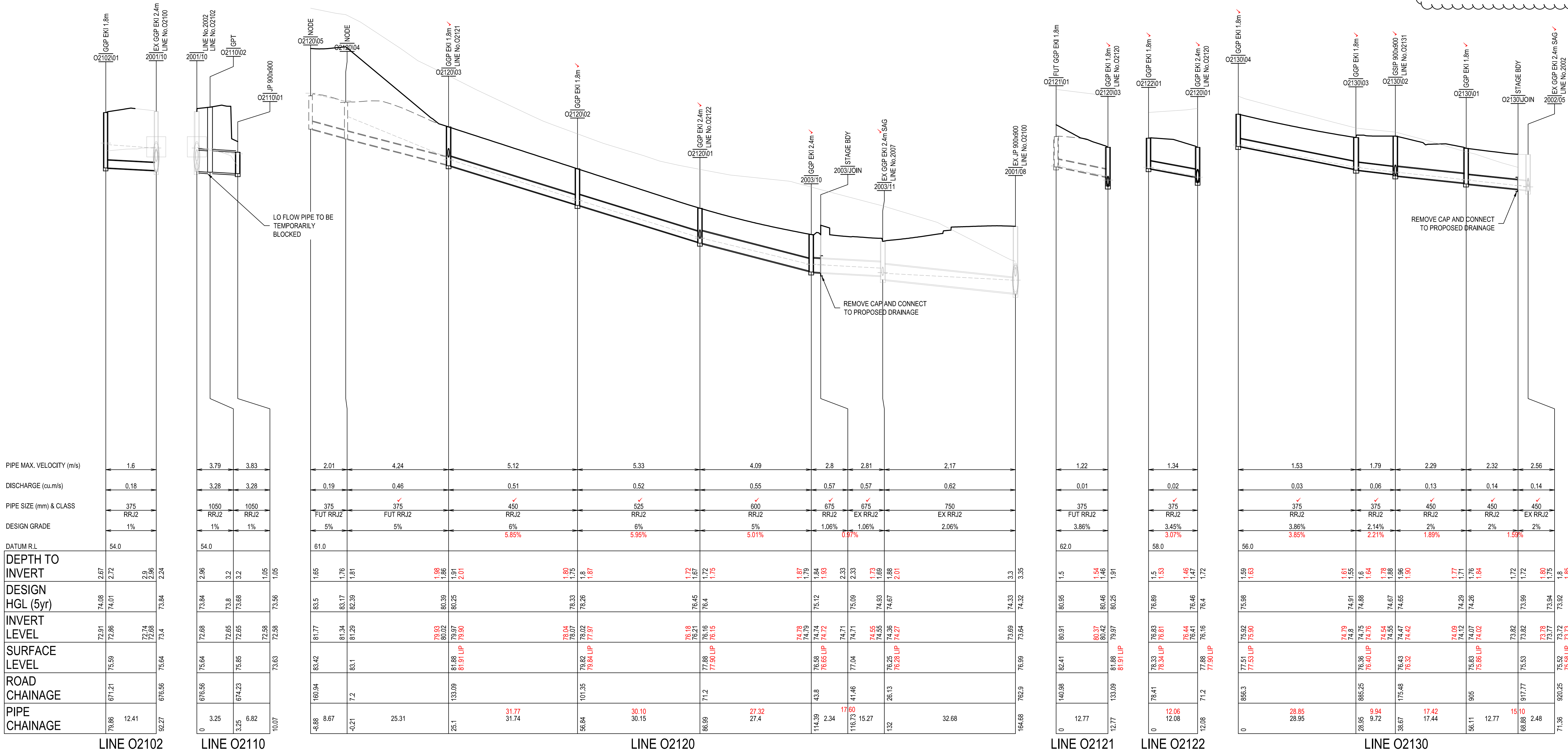
[illegible]

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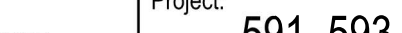
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025
Mark Matthews
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND	
EXISTING SURFACE	—————
DESIGN SURFACE	—————
FUTURE SURFACE	-----
DESIGN STORM HGL	—————
DESIGN PIPE AND PIT	—————
DESIGN TEMPORARY PIPE AND PIT	—————
EXISTING PIPE AND PIT	—————
FUTURE PIPE AND PIT	-----

*PIPE O2000 UPSIZED
*PIT NUMBERS AMENDED
*HGL LOWERED



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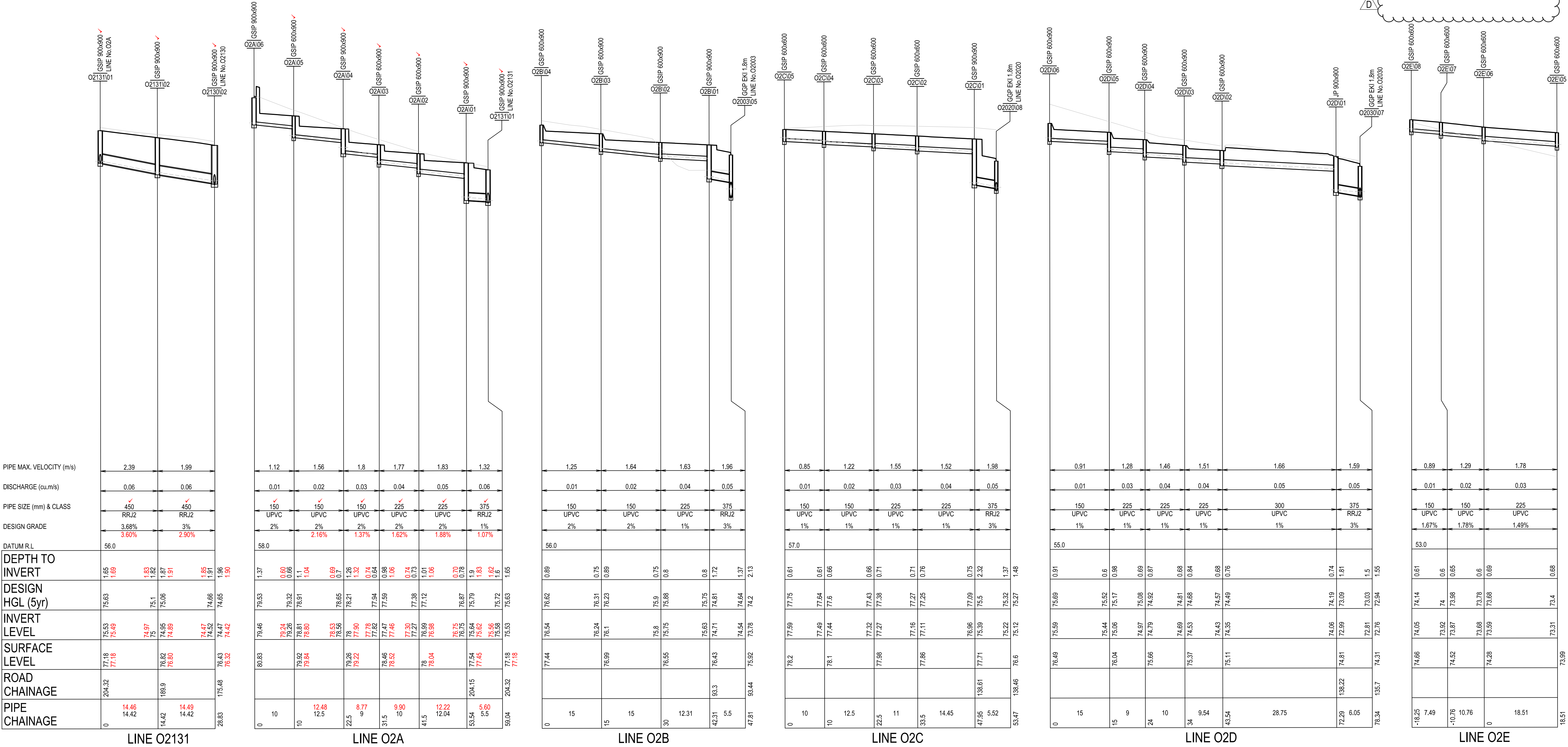
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D	LMc	LMc	MP	MP	20/02/2025	AMENDED TO SUIT COUNCIL COMMENTS													
C	WP	LMc	MP	MP	10/02/2025	AMENDED TO SUIT COUNCIL COMMENTS													
B	WP	LMc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS													
A	RL	LMc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE													
Rev	Drawn	Design	Check	Appd.	Date	Revision Description													
							Project No. 23-0579		Set No. 01		Milestone SWC		Plan 517		Revision D				

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WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025
Mark Matthews
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND	
EXISTING SURFACE	—————
DESIGN SURFACE	—————
FUTURE SURFACE	-----
DESIGN STORM HGL	—————
DESIGN PIPE AND PIT	—————
DESIGN TEMPORARY PIPE AND PIT	—————
EXISTING PIPE AND PIT	—————
FUTURE PIPE AND PIT	-----

*PIPE O2000 UPSIZED
*PIT NUMBERS AMENDED
*HGL LOWERED



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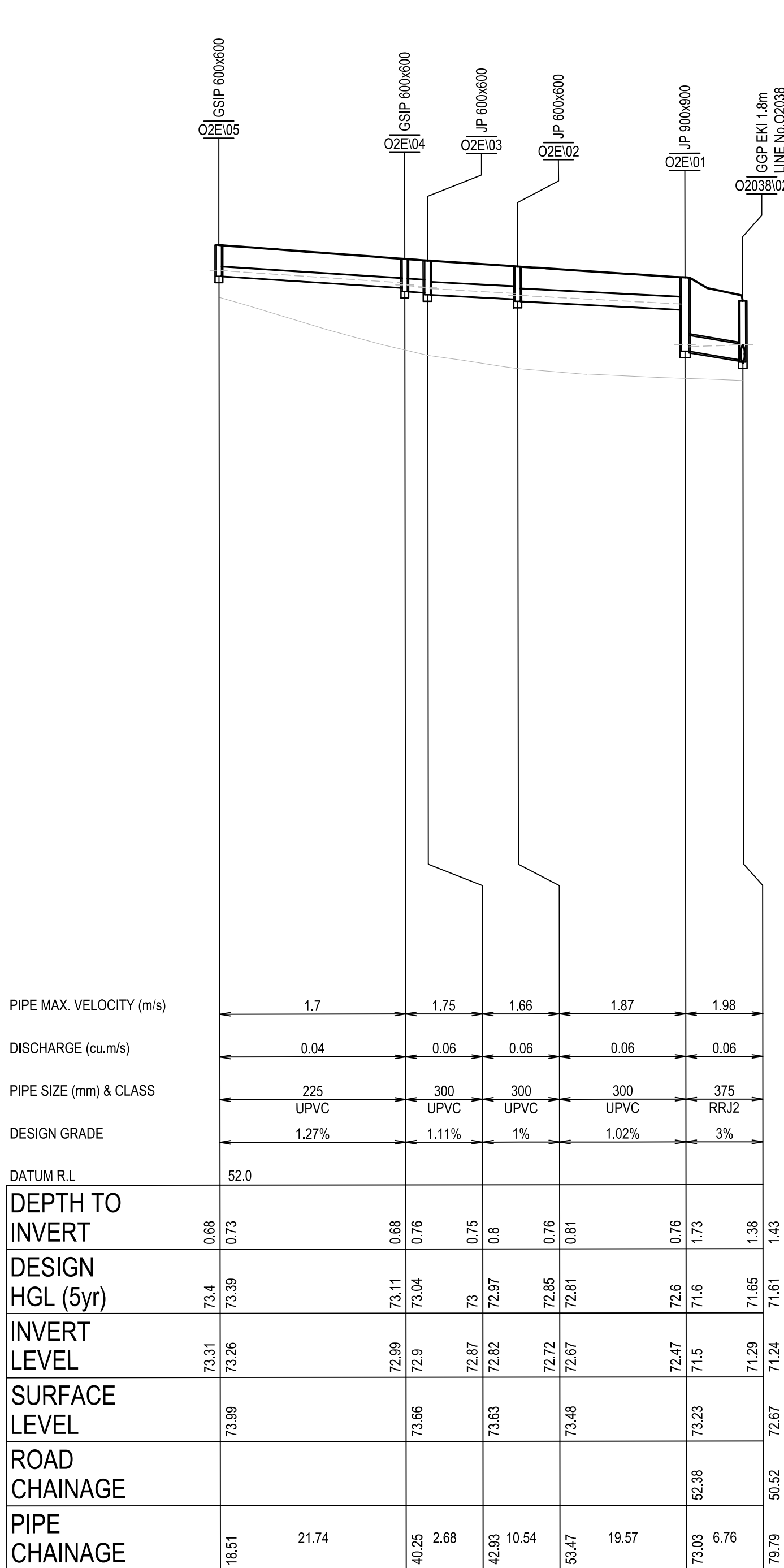
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D	LMc	LMc	MP	MP	20/02/2025	AMENDED TO SUIT COUNCIL COMMENTS																					
C	WP	LMc	MP	MP	10/02/2025	AMENDED TO SUIT COUNCIL COMMENTS																					
B	WP	LMc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS																					
A	RL	LMc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE																					
Rev	Drawn	Design	Check	Appd.	Date	Revision Description																					

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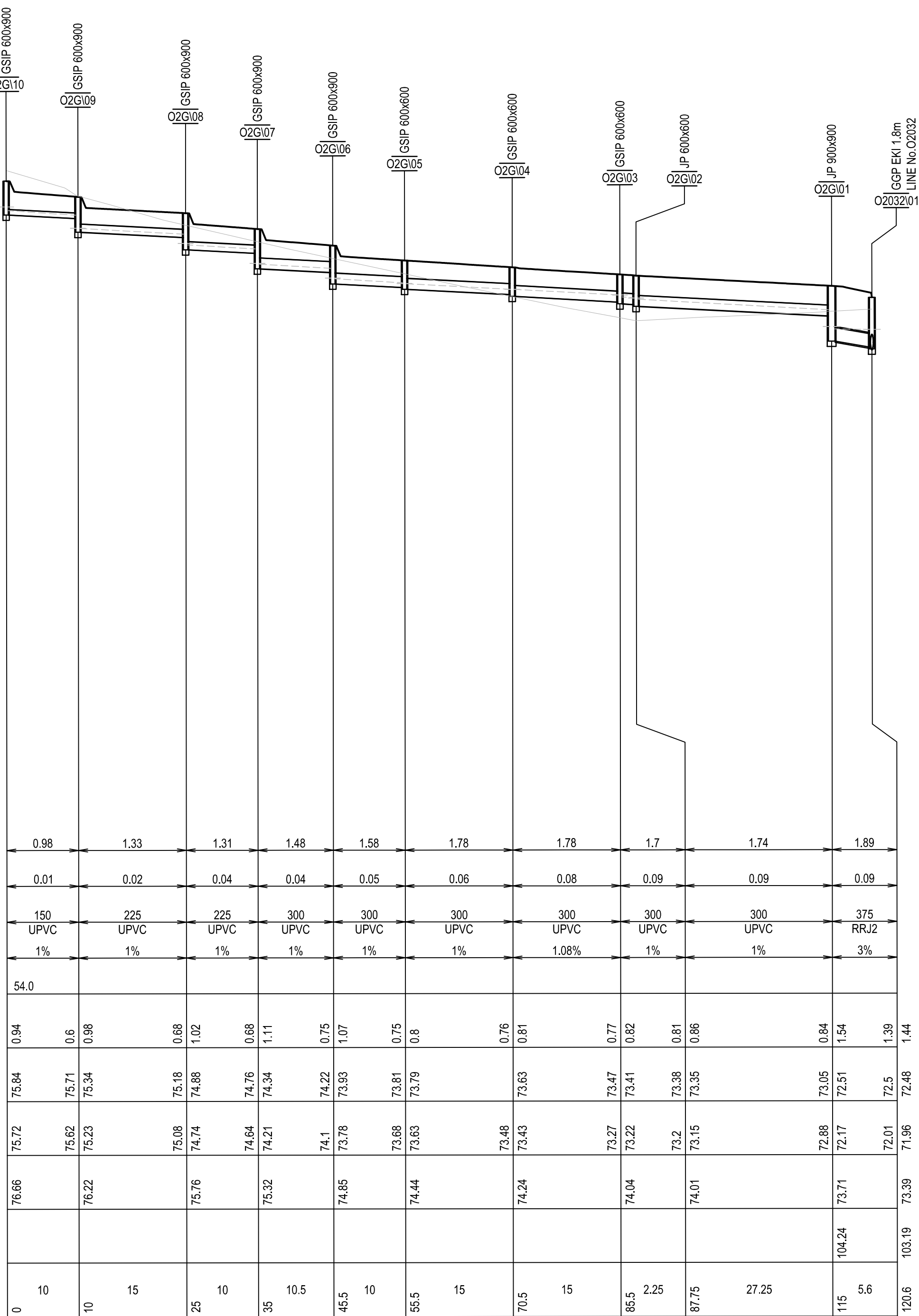
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WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 15/09/2025
Robert Matthews
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND	
EXISTING SURFACE	—————
DESIGN SURFACE	—————
FUTURE SURFACE	-----
DESIGN STORM HGL	—————
DESIGN PIPE AND PIT	—————
DESIGN TEMPORARY PIPE AND PIT	—————
EXISTING PIPE AND PIT	—————
FUTURE PIPE AND PIT	-----

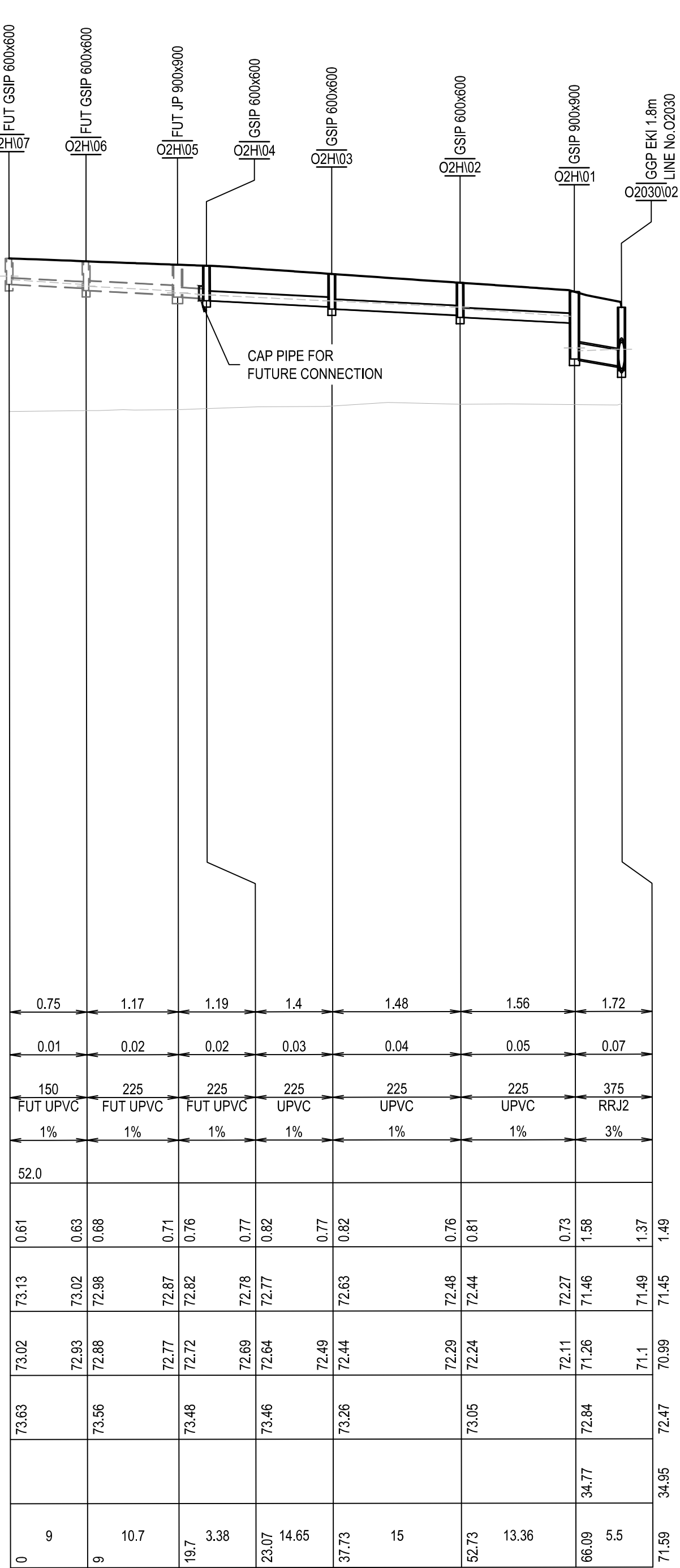
*PIPE O2000 UPSIZED
*PIT NUMBERS AMENDED
*HGL LOWERED



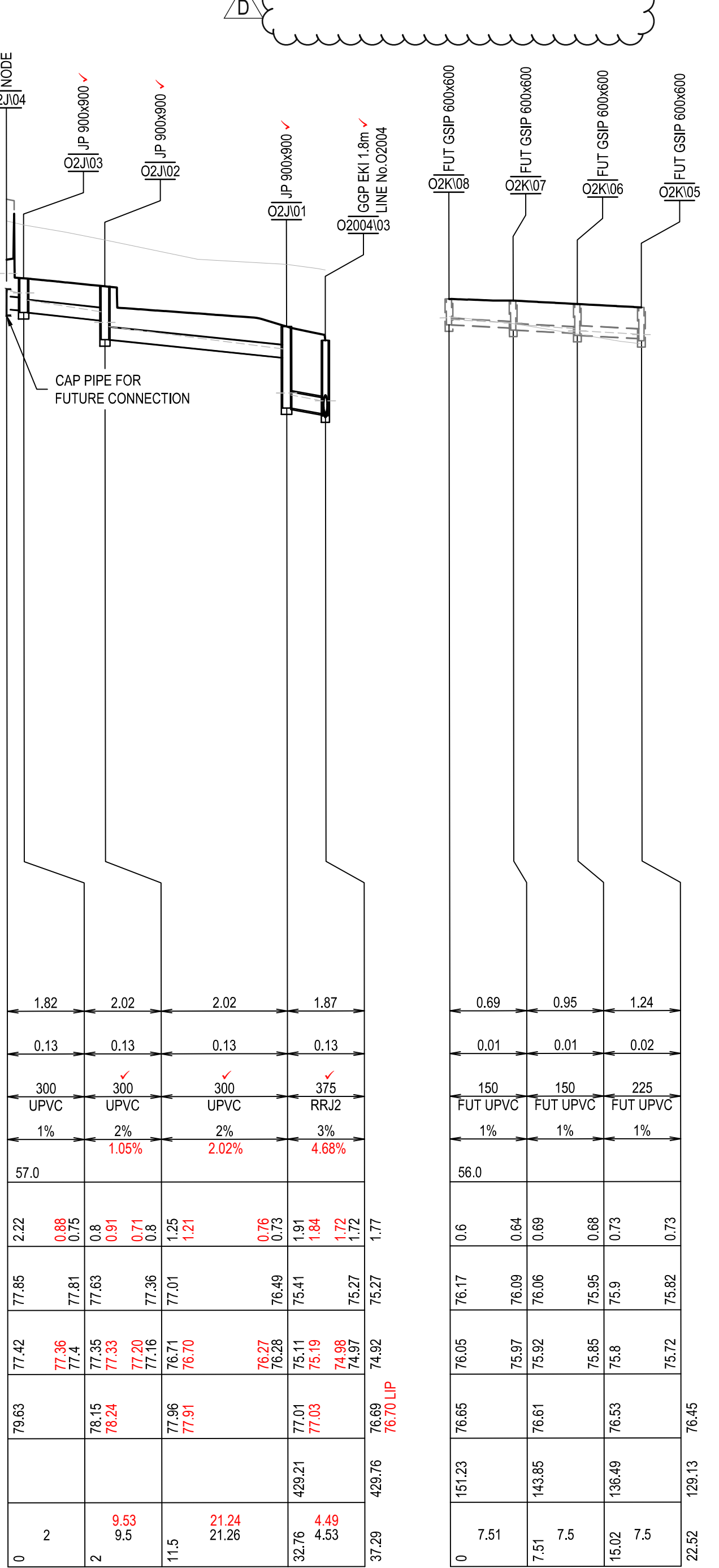
LINE O2E



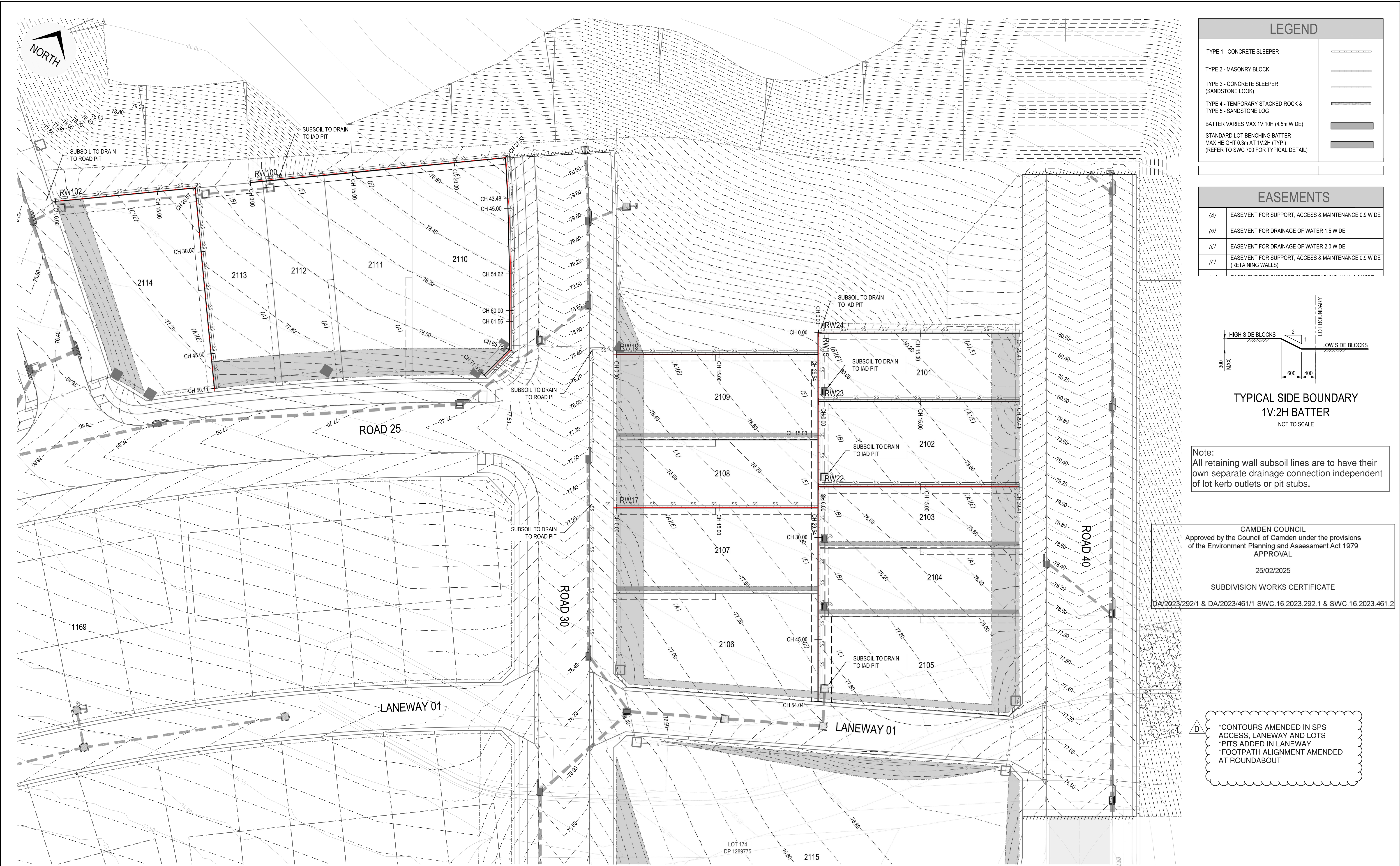
LINE O2G



LINE O2H

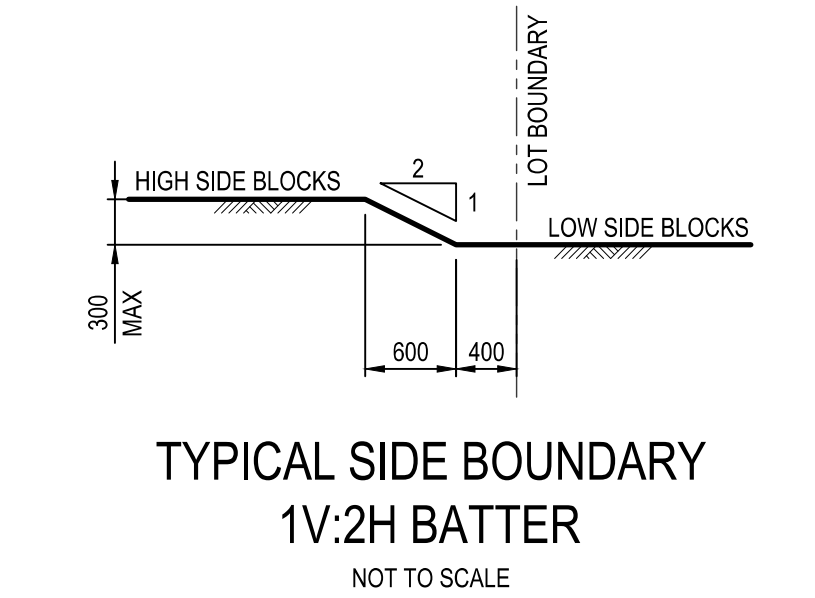


Title: DRAINAGE LONGITUDINAL SECTIONS SHEET 11				
Project No.	Set No.	Milestone	Plan	Revision
23-0579	01	SWC	520	D



LEGEND	
TYPE 1 - CONCRETE SLEEPER	
TYPE 2 - MASONRY BLOCK	
TYPE 3 - CONCRETE SLEEPER (SANDSTONE LOOK)	
TYPE 4 - TEMPORARY STACKED ROCK & TYPE 5 - SANDSTONE LOG	
BATTER VARIES MAX 1V:10H (4.5m WIDE)	
STANDARD LOT BENCHING BATTER MAX HEIGHT 0.3m AT 1V:2H (TYP.) (REFER TO SWC 700 FOR TYPICAL DETAIL)	

EASEMENTS	
(A/)	EASEMENT FOR SUPPORT, ACCESS & MAINTENANCE 0.9 WIDE
(B/)	EASEMENT FOR DRAINAGE OF WATER 1.5 WIDE
(C/)	EASEMENT FOR DRAINAGE OF WATER 2.0 WIDE
(E/)	EASEMENT FOR SUPPORT, ACCESS & MAINTENANCE 0.9 WIDE (RETAINING WALLS)



Note:
All retaining wall subsoil lines are to have their own separate drainage connection independent of lot kerb outlets or pit stubs.

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* CONTOURS AMENDED IN SPS ACCESS, LANEWAY AND LOTS
* PITS ADDED IN LANEWAY
* FOOTPATH ALIGNMENT AMENDED AT ROUNDABOUT

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D	WP	LMc	MP	MP	10/02/2025	AMENDED TO SUIT COUNCIL COMMENTS						
C	LMc	LMc	TA	TA	22/01/2025	AMENDED TO SUIT COUNCIL COMMENTS						
B	WP	LMc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS						
A	RL	LMc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE						
Rev	Drawn	Design	Check	Appd.	Date	Revision Description						

NOTE:

- **ALL** RETAINING WALLS TO BE DESIGNED AND CERTIFIED BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER, REFER TO STRUCTURAL PLANS FOR DETAILS.
- **ALL** WALLS TO BE TYPE 1 UNO.
- WALL DESIGN TO ENSURE NO PIERS ARE POSITIONED OVER PROPOSED STORMWATER PIPES AT CROSSINGS.
- WALLS HAVE BEEN MODELED TO SUIT BENCH LOCATIONS, WALL STEPS TO STRUCTURAL DESIGN.
- WALL TYPES TO BE IN ACCORDANCE WITH THE 'MIRVAC LOT BENCHING SPECIFICATION'.

CHAINAGE	SURFACE LEVEL AT BASE	SURFACE LEVEL AT TOP	RETAINED HEIGHT
0	77.57	77.571	0
5.606	77.5	77.795	0.295
5.615	77.5	77.795	0.296
5.636	77.5	77.795	0.296
15	77.24	77.702	0.466
26.442	76.91	77.587	0.673
29.566	76.83	77.542	0.716
29.576	76.83	77.572	0.746
30	76.83	77.553	0.725
42.963	76.9	77.423	0.524
43.563	76.9	77.123	0.221
45	76.91	77.109	0.198
57.343	76.98	76.995	0.007
57.393	76.69	76.995	0.294
57.963	76.66	76.979	0.294
58.563	76.68	76.679	0
60	76.66	76.665	-0
75	76.51	76.515	-0
82.164	76.44	76.443	0
86.701	76.16	76.419	0.263
90	76.23	76.432	0.204
105	76.56	76.591	0.034
108.028	76.62	76.623	0

SUBSOIL TO CONNECT TO IAD PIT

DATUM R.L. 71

TOP OF WALL LEVEL

TYPE 1

SW PIPE LINE C2J
300mm DIA
I.L. 76.687
CH 21.616

CHAINAGE	SURFACE LEVEL AT BASE	SURFACE LEVEL AT TOP	RETAINED HEIGHT
0	71.01	71.00	0.002
2.01	71.06	71.19	0.13
4.006	71.22	71.42	0.19
4.105	71.22	71.42	0.199
8.07	71.24	71.49	0.25
13.05	71.39	71.66	0.27
15	71.39	71.67	0.38
18.13	71.49	71.76	0.27
20.446	71.47	71.51	0.04
20.557	71.47	71.51	0.04
20.567	71.47	71.51	0.04
24.22	71.48	71.63	0.35
30	71.37	71.818	0.445
45	71.22	71.617	0.394
46.114	71.21	71.62	0.39
48.46	71.19	71.48	0.29
50.15	71.17	71.10	0.07

CAMDEN COUNCIL
Approved by the Council of Camden under the provisions
of the Environment Planning and Assessment Act 1979
APPROVAL
25/02/2025
SUBDIVISION WORKS CERTIFICATE
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2

[illegible]

NOTE:

- **ALL** RETAINING WALLS TO BE DESIGNED AND CERTIFIED BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER. REFER TO STRUCTURAL PLANS FOR DETAILS.
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- WALL TYPES TO BE IN ACCORDANCE WITH THE 'MIRVAC LOT BENCHING SPECIFICATION'.

CHAINAGE	SURFACE LEVEL AT BASE	SURFACE LEVEL AT TOP	HEIGHT	RETAINED	TOP OF WALL LEVEL	DATUM R.L. 72
0	78.11	78.24	0.00	0.00	78.84	
1.59	78.14	78.22	0.08	0.28	78.84	
1.78					79.15	
3.85	78.21	79.35	1.15	1.35	79.74	
					79.91	
11.88	78.33	79.71	1.38	1.58	79.88	
					80.04	
15	78.41	79.903	1.497	1.697	80.05	
19.98	78.53	79.92	1.39	1.59	80.19	
28.06	78.69	80.06	1.39	1.59	80.20	
					80.35	
30	78.71	80.203	1.497	1.697	80.35	
34.10	78.79	80.33	1.54	1.74	80.35	
					80.49	
37.582	78.66	80.354	1.498	1.53	80.52	
37.858		80.362	1.5	1.54	80.53	
40.40	78.71	80.17	1.46	1.50	80.34	
43.482	78.7	80.16	1.312	1.51	80.33	
45	78.66	79.923	1.262	1.402	80.13	
46.81	78.55	79.73	1.18	1.33	79.92	
49.81	78.47	79.55	1.12	1.27	79.92	
					79.72	
53.20	78.40	79.34	0.94	1.09	79.71	
54.616	78.39	79.331	0.941	1.091	79.52	
56.90	78.32	79.17	0.85	1.00	79.52	
59.51	78.28	79	0.761	0.91	79.32	
61.556	78.2	78.905	0.709	0.859	79.13	
62.51	78.27	78.79	0.52	0.67	79.12	
					78.93	
65.745	78.08	78.60	0.50	0.65	78.92	
65.745	78.07	78.50	0.43	0.58	78.72	
					78.12	
67.64	78.08	78.31	0.23	0.38	78.13	
68.63	77.97	78.16	0.19	0.34	78.53	
69.63	77.97	78.03	0.06	0.21	78.34	
70.998	77.67	77.668	-0.002	0.03	78.13	
					78.14	

CHAINAGE	SURFACE LEVEL AT BASE	SURFACE LEVEL AT TOP	HEIGHT	RETAINED	DATUM R.L. 71	TOP OF WALL LEVEL
0	79.42	79.54	80.831	79.95	1.409	0.41
0.05	79.42	80.031	0.61			
3.119	79.38	79.25	79.985	79.95	0.6	0.70
3.169	78.37	79.39	79.95	1.16	0.37	
		78.89	79.95	1.06		
		78.81	79.91	1.10		
10	78.79	78.80	79.887	79.85	1.096	1.05
10.05	78.78	79.382	79.352	0.597	0.55	
15	78.72	79.32	0.597	0.64		
15.619	78.72	78.39	79.314	79.31	0.597	0.92
15.669	78.4	79.314	0.915			
	78.33	79.34	1.01			
22.5	78.3	78.31	79.231	79.20	0.96	0.89
22.55	78.29	78.569	78.51	0.274	0.20	
25.608	78.25	78.28	78.517	78.52	0.268	0.24
25.658	77.89	77.93	78.516	0.624	0.59	
	77.84	78.41	0.57			
30	77.84	78.444	0.603			
31.494	77.82	77.81	78.419	78.20	0.596	0.39
31.547	77.82	78.116	0.297			
	77.79	78.13	0.34			
	77.71	78.10	0.39			
38.424	77.74	77.55	78.02	77.97	0.42	
38.471	77.41	78.019	0.606			
41.523	77.38	77.33	77.968	77.79	0.585	0.37
41.573	77.38	77.646	0.266			
45	77.35	77.607	0.259			
	77.34	77.62	0.28			
47.73	77.33	77.58	0.25			
	77.27	77.52	0.25			
54.041	77.26	77.20	77.498	77.21	0.235	0.10
54.041	77.26	77.498	0.235			

ISSUED
FOR

SUBDIVISION WORKS CERTIFICATE



By: **ORION**  

ABN: 25 604 069 981 **PO Box:** 7936, BAULKHAM HILLS NSW 2153 **T:** (02) 8660 0035 **E:** info@theoriongroup.au

Project: 591, 593 COBBITTY ROAD &
1 FRESHWATER DRIVE, COBBITTY
(PRECINCT 2A STAGE 1 &
TRANCHE 5a STAGE 1)
ROAD & DRAINAGE DESIGN

Title: RETAINING WALL PROFILES SHEET 04				
Project No.	Set No.	Milestone	Plan	Revision
23-0579	01	SWC	714	C

LEGEND	
PROPOSED STORMWATER PIPE	0

- NOTE:
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WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.

DATE: 15/09/2025

Mark Mathew

REGISTERED SURVEYOR ID: 8890

ORION GROUP

CAMDEN COUNCIL

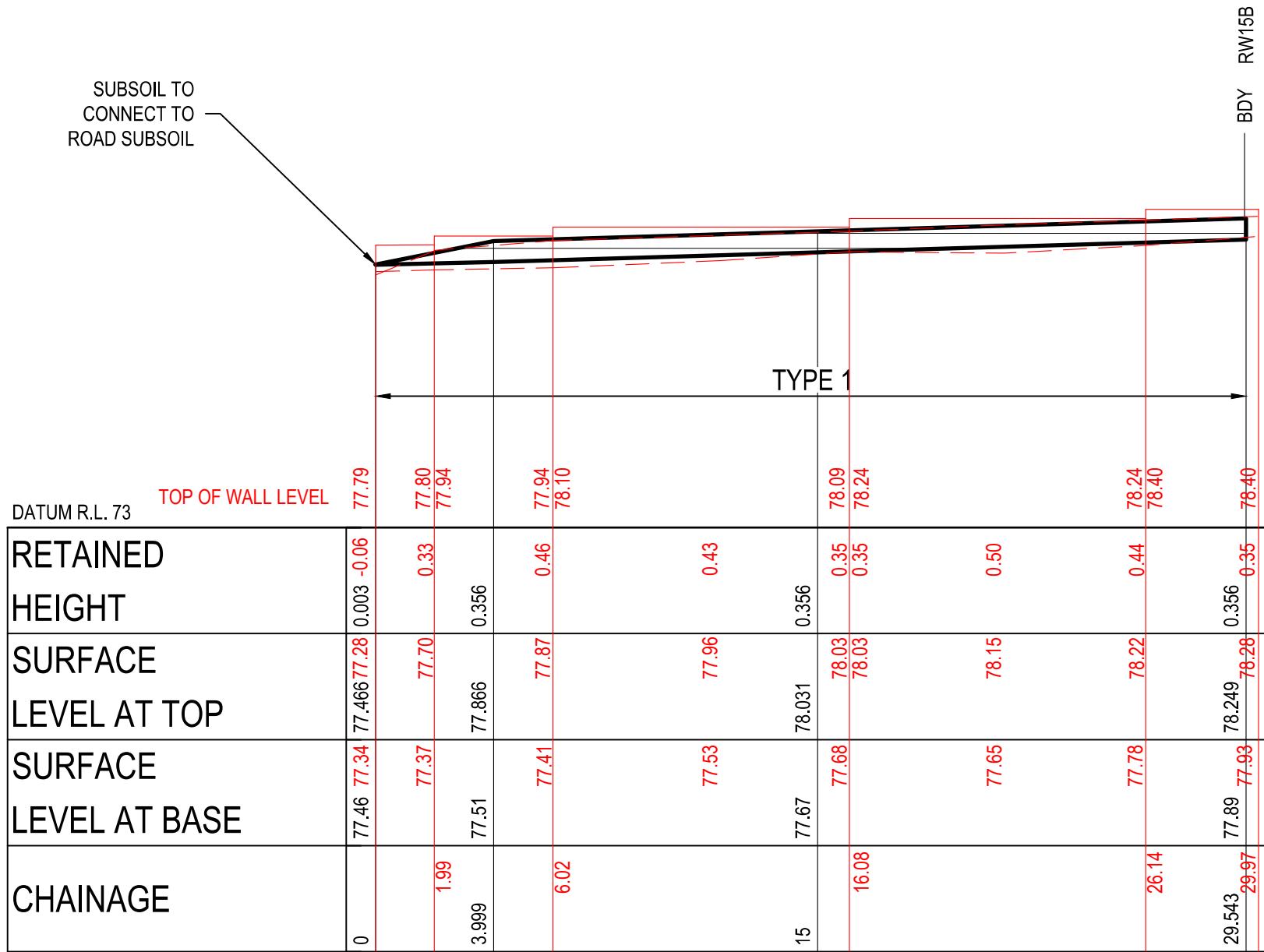
Approved by the Council of Camden under the provisions of the Environment Planning and Assessment Act 1979

APPROVAL

25/02/2025

SUBDIVISION WORKS CERTIFICATE

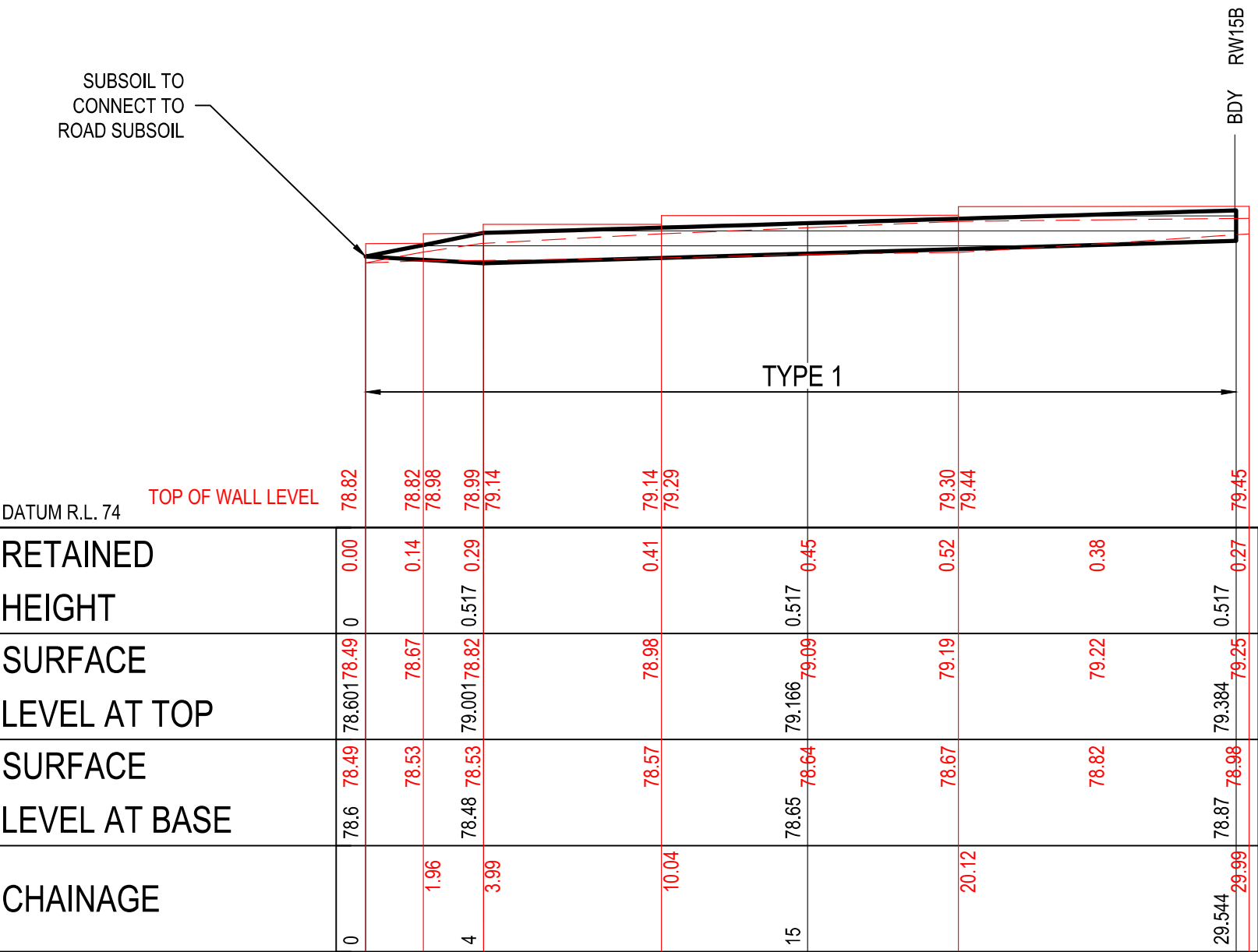
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2



RETAINING WALL PROFILE - RW17

SCALE 1:200 (H)

SCALE 1:100 (V)



RETAINING WALL PROFILE - RW19

SCALE 1:200 (H)

SCALE 1:100 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

						Disclaimer and Copyright: ALL DIMENSIONS TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO CONSTRUCTION. USE WRITTEN DIMENSIONS ONLY. DO NOT SCALE. THESE DRAWINGS, PLANS, AND SPECIFICATIONS AND THE COPYRIGHT ARE THE PROPERTY OF ORION CONSULTING ENGINEERS PTY LTD AND MUST NOT BE REPRODUCED OR COPIED WHOLLY OR IN PART WITHOUT THE PERMISSION OF ORION CONSULTING ENGINEERS PTY LTD		Scale: 012345678910 SCALE 1:100 (A1) 02.04.06.08.010.012.014.016.018.020.0 SCALE 1:200 (A3) 02.04.06.08.010.012.014.016.018.020.0 SCALE 1:400 (A3)		For: mirvac		By: ORION ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au SUSTAINABLE THEORION GROUP JAS-ANZ www.jas-anz.com.au		Project: 591, 593 COBBITTY ROAD & 1 FRESHWATER DRIVE, COBBITTY (PRECINCT 2A STAGE 1 & TRANCHE 5a STAGE 1) ROAD & DRAINAGE DESIGN		Title: RETAINING WALL PROFILES SHEET 05									
B	WP	LMc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS										Project No. 23-0579		Set No. 01		Milestone SWC		Plan 715		Revision B	
A	RL	LMc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE																			
Rev	Drawn	Design	Check	Appd.	Date	Revision Description																			

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.

DATE: 15/09/2025

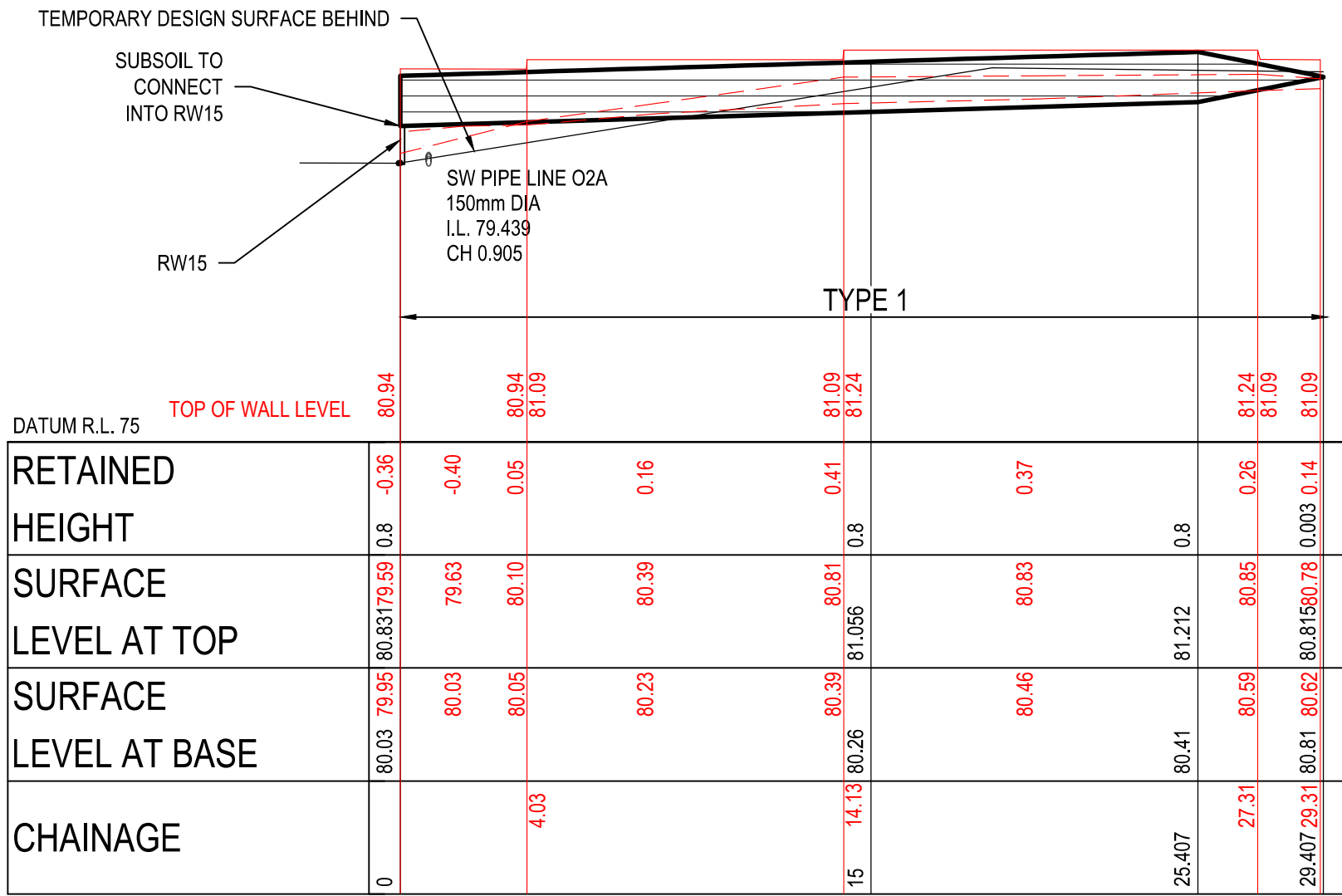


REGISTERED SURVEYOR ID: 8890
ORION GROUP

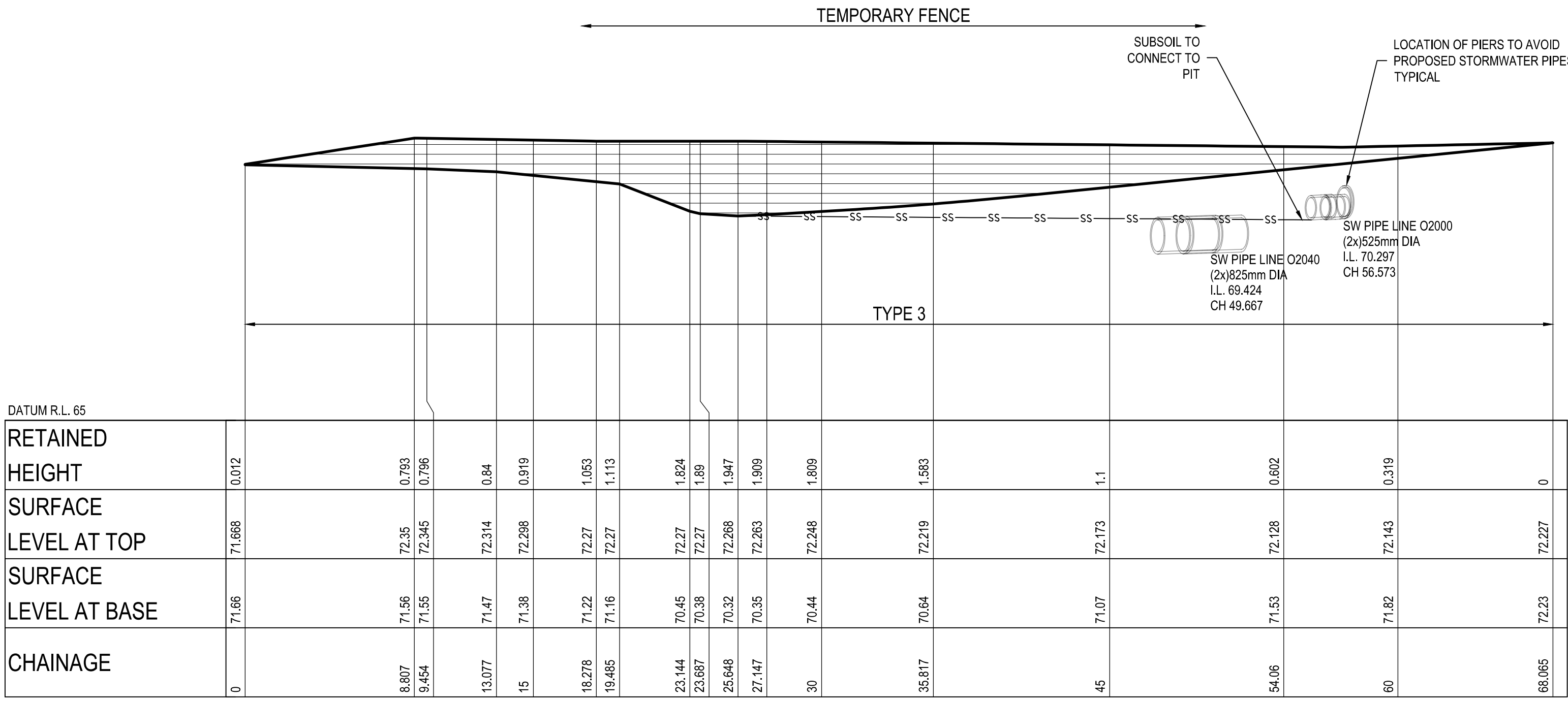
LEGEND	
PROPOSED STORMWATER PIPE	0

NOTE:

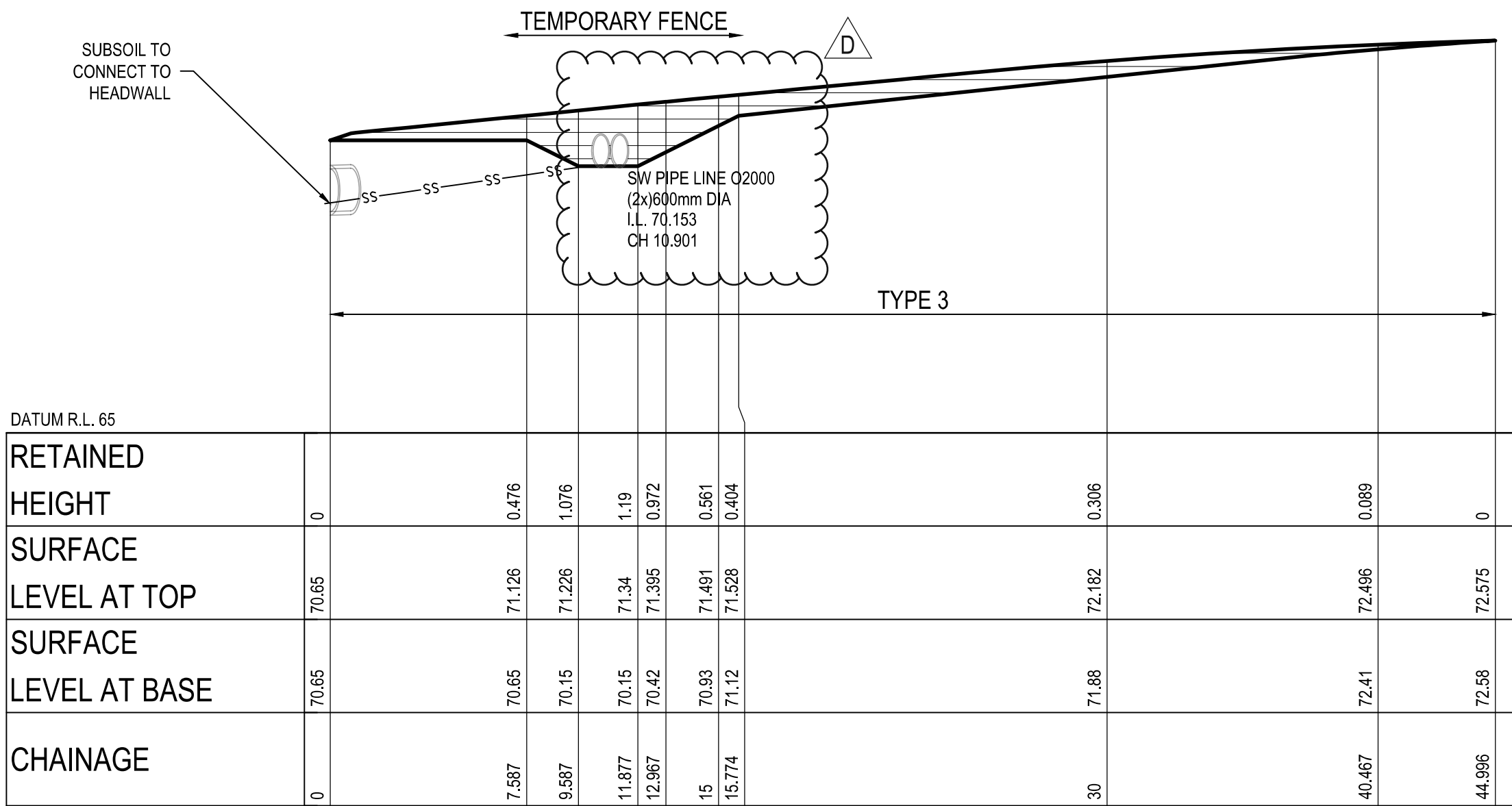
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RETAINING WALL PROFILE - RW24
SCALE 1:200 (H)
SCALE 1:100 (V)



RETAINING WALL PROFILE - RW85
SCALE 1:200 (H)
SCALE 1:100 (V)



RETAINING WALL PROFILE - RW86
SCALE 1:200 (H)
SCALE 1:100 (V)

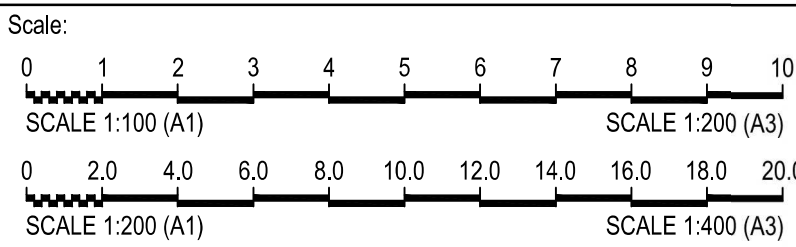
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APPROVAL
25/02/2025
SUBDIVISION WORKS CERTIFICATE
DA/2023/292/1 & DA/2023/461/1 SWC.16.2023.292.1 & SWC.16.2023.461.2

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Title: **RETAINING WALL PROFILES**
SHEET 07

Project No.	Set No.	Milestone	Plan	Revision
23-0579	01	SWC	717	D

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C	LMc	LMc	MP	MP	20/02/2025	AMENDED TO SUIT COUNCIL COMMENTS	
D	LMc	LMc	TA	TA	22/01/2025	AMENDED TO SUIT COUNCIL COMMENTS	
B	WP	LMc	MP	MP	30/10/2024	AMENDED TO SUIT COUNCIL COMMENTS	
A	RL	LMc	MP	MP	29/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE	
Rev	Drawn	Design	Check	Appd.	Date	Revision Description	



For:



The Mirvac logo consists of a stylized, three-dimensional geometric shape above the word "mirvac" in a lowercase, sans-serif font.

By: **ORION**  

ABN: 25 604 069 981 **PO Box:** 7936, BAULKHAM HILLS NSW 2153 **T:** (02) 8660 0035 **E:** info@theoriongroup.au

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ROAD & DRAINAGE DESIGN