Prepared by:

ORION

CONSULT AUSTRALIA
Member Firm

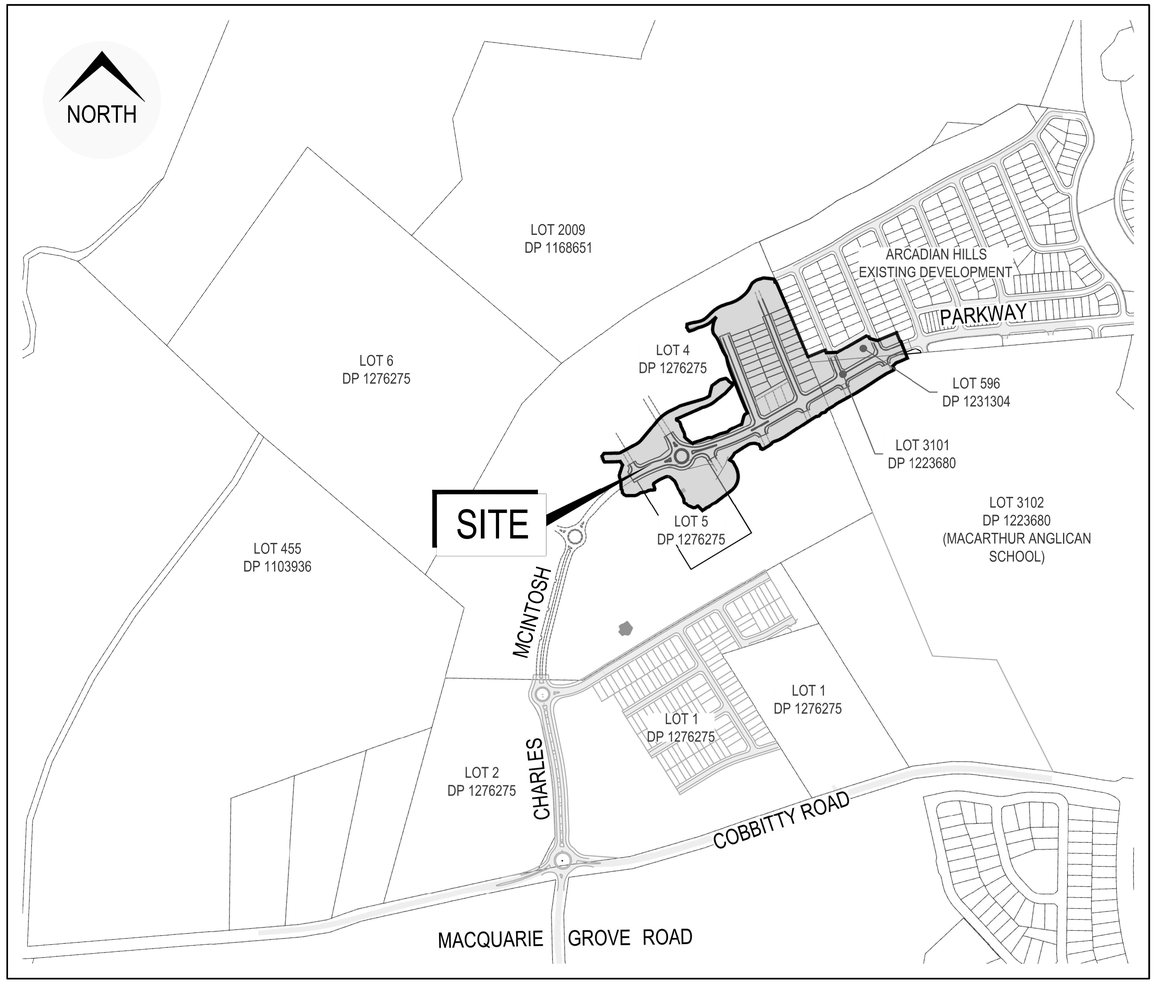
Prepared for:

mirvac

LGA:

camden council

DA/2023/215/1



SITE / LOCATION (Image courtesy of Nearmap 12.08.2023)

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

LOT 4, 5 & 6, D.P. 1276275
LOT 596, D.P. 1231304
LOT 3101, D.P. 1223680

589, 591 & 593 COBBITTY ROAD, COBBITTY (TRANCHE 4, STAGE 3a.)

ROAD & DRAINAGE DESIGN

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Project No. 23-0563 Set No. 01 Milestone SWC Plan 000 Revision G

NORTH

LOT 2009
DP 1168651

LOT 143

LOT 142

ROAD 30

ROAD 40

ROAD 40A

ROAD 24

ROAD 27

ROAD 29

ROAD 28

CHARLES

MCINTOSH

HOOK STREET

WISTERIA RISE

PARKWAY

TEMPORARY
BASIN PD01A

ARCADIAN HILLS
EXISTING DEVELOPMENT

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

A 007 — B 007 — C 008 — D 008

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

02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

WORKS AS EXECUTED

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DATE: 07/02/2025

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ORION GROUP

BEFORE YOU DIG
www.byda.com.au
Zero Damage - Zero Harm

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ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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Scale:
0 10 20 30 40 50 60 70 80 90 100
SCALE 1:1000 (A1) SCALE 1:2000 (A3)

For: mirvac

By: ORION

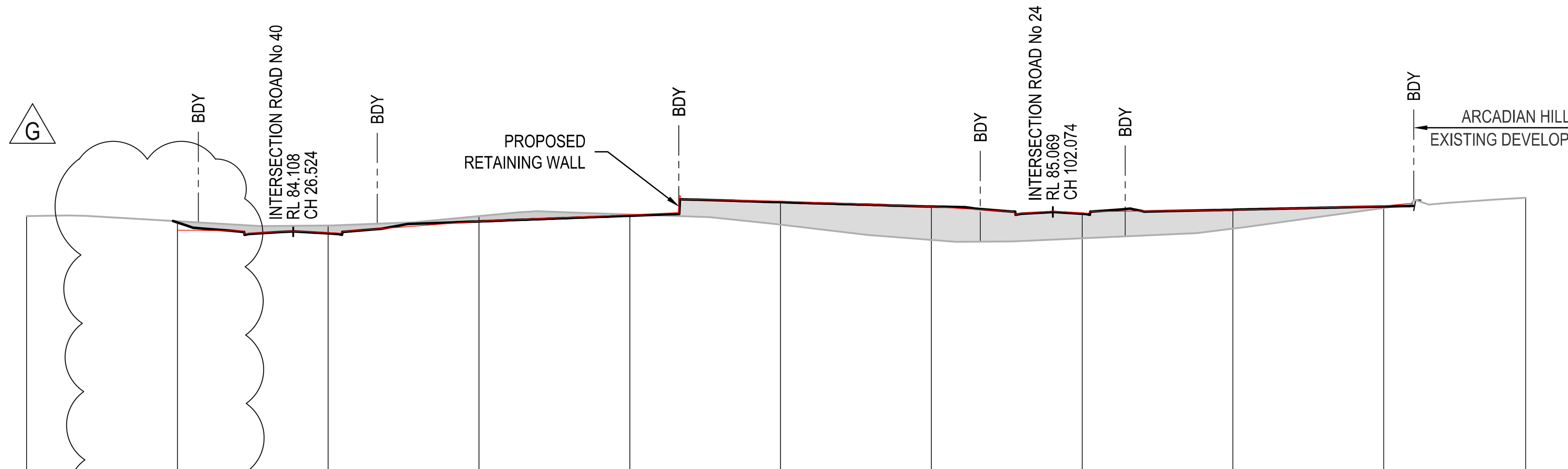
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

Project:
589, 591 & 593 COBBITTY ROAD,
COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
SITE REGRADING
ALIGNMENT PLAN

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	005	B

G



DATUM R.L. 72

DESIGN LEVEL		84.29 84.15	84 84.03	84.6 84.59	84.88 84.92	85.55 85.59	85.34 85.32	84.98 85.01	85.18 85.15	85.34 85.35	
EXISTING LEVEL	84.86	84.61	84.39	84.86	84.95	84.44	83.69	83.76	84.24	85.26	85.77
CHAINAGE	0	15	30	45	60	75	90	105	120	135	149.113

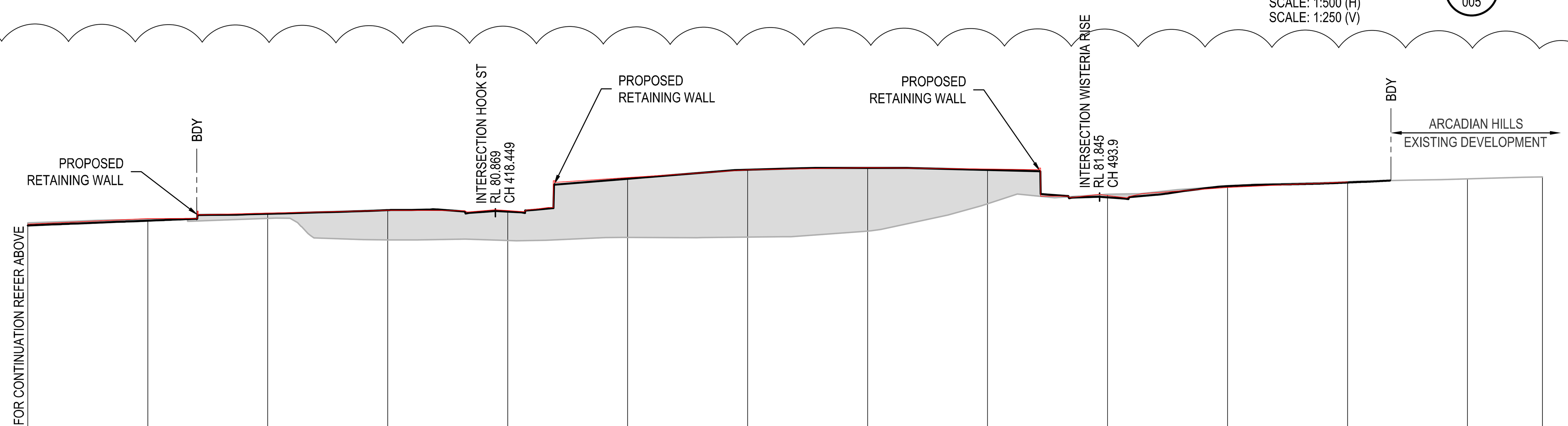
SITE SECTION (A / 005)
SCALE: 1:500 (H)
SCALE: 1:250 (V)

DATUM R.L. 61

DESIGN LEVEL			74.89	75.74 75.76	75.9 75.93	76.01 76.00	76.37 76.37	76.56 76.53	76.49 76.52	76.56 76.58	77.3 76.93	77.27	77.59
EXISTING LEVEL	72.92	73.36	73.61	74.23	74.87	75.41	75.88	76.37	76.87	77.24	77.35	77.65	78.01
CHAINAGE	0	15	30	45	60	75	90	105	120	135	150	165	180

DESIGN LEVEL	77.91	78.17	78.37	78.44	78.30	78.05 78.06	79.05 78.97	79.3 79.29	79.55 79.50	79.79 79.64	79.44 79.45	80.07 80.14
EXISTING LEVEL	78.28	78.58	78.52	78.41	78.26	78.6	79.02	79.27	79.41	79.55	79.82	80.24
CHAINAGE	195	210	225	240	255	270	285	300	315	330	345	360

SITE SECTION (B / 005)
SCALE: 1:500 (H)
SCALE: 1:250 (V)



DATUM R.L. 67

DESIGN LEVEL	80.07 80.14	80.37 80.49	80.81 80.83	81.03 81.00	80.94 80.99	82.99 83.05	83.55 83.54	83.67 83.67	83.54 83.59	81.83 81.93	82.53 82.43	82.76 82.78		
EXISTING LEVEL	80.24	80.44	80.52	79.17	79.14	79.33	79.34	79.72	81.43	82.02	82.53	82.81	82.99	83.11
CHAINAGE	360	375	390	405	420	435	450	465	480	495	510	525	540	549.376

SITE SECTION (B / 005)
SCALE: 1:500 (H)
SCALE: 1:250 (V)

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND

- DESIGN SURFACE LEVEL
- EXISTING SURFACE LEVEL
- LOT BOUNDARY
- FILL AREA
- CUT AREA

NOTE:
REFER TO DRAWING 702 TO 710 FOR RETAINING WALL PROFILES AND SETOUT TABLES

CAMDEN COUNCIL
Approved by the Council of Camden under the provisions of the Environment Planning and Assessment Act 1979
APPROVAL
22/03/2024
SUBDIVISION WORKS CERTIFICATE
DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
SITE REGRADING SECTIONS
SHEET 01

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	007	G

WORKS AS EXECUTED

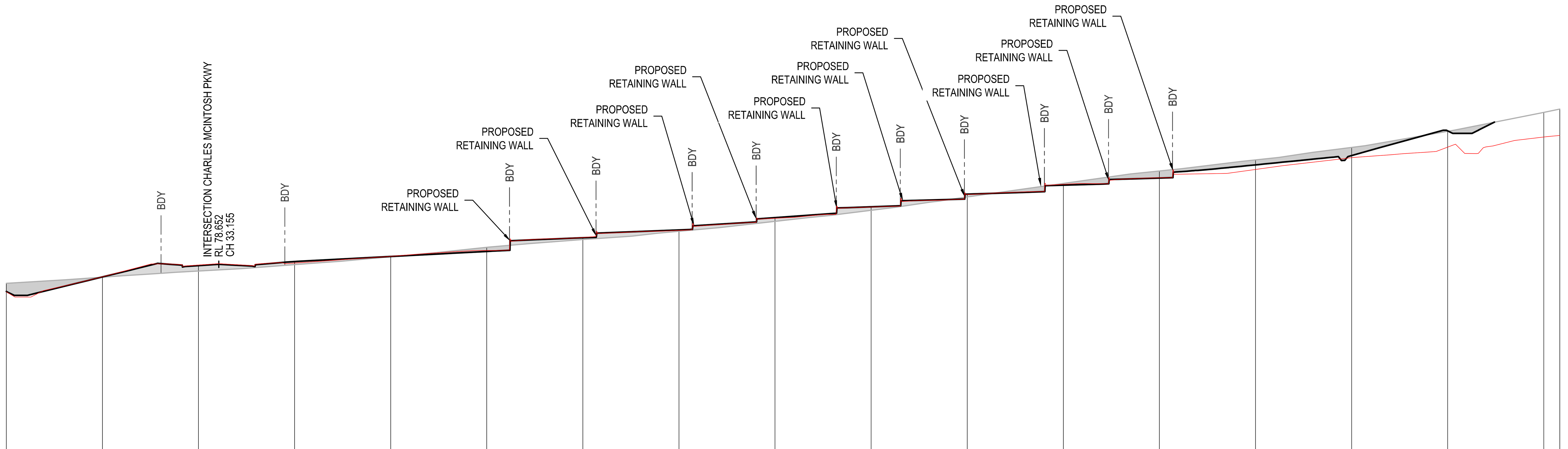
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND

DESIGN SURFACE LEVEL	
EXISTING SURFACE LEVEL	
LOT BOUNDARY	
FILL AREA	
CUT AREA	

NOTE:
REFER TO DRAWING 702 TO 710 FOR RETAINING WALL PROFILES AND SETOUT TABLES



DATUM R.L. 64

DESIGN LEVEL	76.53 76.49	77.66 77.67	78.55 78.58	78.86 78.74	79.26 79.26	79.65 79.71	80.72 80.72	81.33 81.28	82.29 82.22	83.13 83.10	84.12 84.08	84.82 84.88	85.37 85.39	86.4 86.03	87.13 86.95	89.05 87.77	88.56	
EXISTING LEVEL	77.17	77.65	78.13	78.62	79.24	79.98	80.58	81.23	81.99	82.86	83.9	84.95	85.92	86.79	87.76	89.02	90.49	90.75
CHAINAGE	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	242.503

SITE SECTION C / 005
SCALE: 1:500 (H)
SCALE: 1:250 (V)

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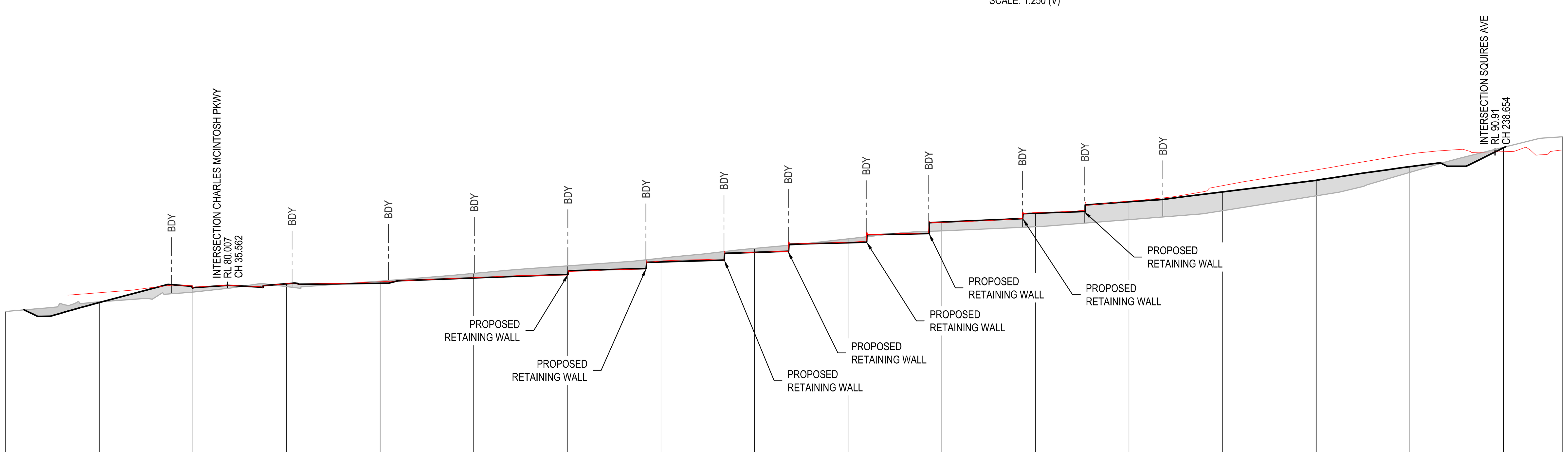
APPROVAL

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1



DATUM R.L. 66

DESIGN LEVEL		78.63 79.40	79.8 79.82	80.13 80.12	80.17 80.28	80.6 80.61	80.88 80.80	81.88 81.94	82.65 82.64	83.42 83.45	85.06 85.03	85.78 85.82	86.7 86.74	87.49 87.79	88.41 89.24	89.51 90.50	91.02 90.69	90.83
EXISTING LEVEL	77.91	78.68	79.46	79.91	80.34	80.96	81.56	82.18	82.96	83.73	84.37	84.7	85.27	85.98	87.18	89.05	91.06	91.91
CHAINAGE	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	249.431

SITE SECTION D / 005
SCALE: 1:500 (H)
SCALE: 1:250 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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SCALE 1:500 (A1) SCALE 1:1000 (A3)
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SCALE 1:250 (A1) SCALE 1:500 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
SITE REGRADING SECTIONS
SHEET 02

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	008	G

LEGEND

	EXISTING	PROPOSED	FUTURE
UTILITY - ELECTRICITY GAS SEWER WATER TELECOMS NBN OPTIC FIBRE	E(C) G(C) S(C) W(C) C(C) NBN OF(C)	E G S W C NBN OF	
CONTOUR LINE & LABEL	19.0	20.0	
LOT NUMBER & BOUNDARY	LOT #	LOT #	LOT #
DENOTES ROOF WATER CONNECTION TO KERB. REFER DRG 203 FOR DETAILS			
DENOTES ROOF WATER CONNECTION TO REAR OF PIT. REFER DRG 203 FOR DETAILS			
APPROXIMATE LIMIT OF WORKS OR STAGE			
ROAD, NUMBER, CONTROL LINE, CHAINAGE & CHAINAGE MARK	CH # ROAD	CH # ROAD	CH # ROAD
COUNCIL STANDARD KERB & GUTTER OR ROLL KERB		K&G RK	
COUNCIL STANDARD KERB ONLY		KO	
COUNCIL STANDARD MOUNTABLE KERB		MK	
INDICATIVE DRIVEWAY LOCATION (NOT CONSTRUCTED AS PART OF CIVIL WORKS)			
COUNCIL STANDARD CONCRETE FOOTPATH & KERB RAMP			
STORMWATER DRAINAGE PIPE AND STRUCTURE			
STORMWATER DRAINAGE PIPE AND STUB			
TEMPORARY STORMWATER DRAINAGE PIPE AND STRUCTURE			
EASEMENT (REFER LEGEND)	(A) (B) (C)	(A) (B) (C)	
SUBSOIL DRAIN & FLUSHING POINT		SS FP	
DIVERSION SWALE			
RETAINING WALL		RW1	
MASONRY WALL			
BATTER			
EXISTING TREE TO BE RETAINED			
EXISTING TREE TO BE REMOVED			
ELECTRICAL SUBSTATION			
TEMPORARY TURNHEAD			
FARM DAM EXTENT			
100 YEAR ARI INTERIM POST DEVELOPMENT FLOOD EXTENTS			
100 YEAR ARI + FREEBOARD EXTENTS			

NORTH

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

ROAD 30

ROAD 40

CHARLES MCINTOSH PARKWAY

ROAD 27

FUTURE SCHOOL

LOT 143

LOT 142

PROPOSED SWALE 2. REFER DRAWING 631 FOR PLAN AND DETAILS

PROPOSED LEVEL SPREADER

CAP & SEAL PIPE FOR FUTURE CONNECTION

LIMIT OF ROAD WORKS. PROVIDE 1m BERM AND 1V:6H BATTER.

LIMIT OF ROAD WORKS. PROVIDE 1m BERM AND 1V:6H BATTER TO EXISTING SURFACE.

Lay twin 1350dia stubs out of Pit 2001/10 for future extension. Construct temp headwall and tail out drain at end of stub pipes

TEMPORARY SPECIAL PIT TO DIVERT FLOWS INTO EXISTING FARM DAM. PIT TO BE REMOVED IN FUTURE STAGE TO ALLOW FOR SPLITTER. REFER DRG 544 FOR DETAILS.

375 dia. pipe to be constructed and connected to pit 2001/10 in accordance with approval under DA 2023/461/1 and capped for future connection at edge of road works.

PROPOSED SEWER SHOWN INDICATIVE AND FOR INFORMATION PURPOSES ONLY. REFER TO THE APPROVED PLANS BY THE RELEVANT SERVICE AUTHORITY FOR ACCURATE DETAIL INFORMATION

PEDESTRIAN HANDRAIL

PROPOSED CONCRETE INFILL MEDIAN (TYP)

CONSTRUCT 1.2m WIDE FOOTPATH TO COUNCIL STANDARD

PROVIDE REMOVABLE JERSEY KERB (TYP)

For Structural Details refer to Structural Drawings - plans 652456-S17 and 652456-S18

Temporary tail out drain with 2.5m wide base and 1in 3 batter slopes. Rip Rap scour protection to be provided at end of tail-out

TEMPORARY PIPES TO BE REMOVED IN FUTURE STAGES.

PROVIDE STACKED ROCK HEADWALL WITH RIPRAP SCOUR PROTECTION

Temporary Pit 2001/10 to be built to ultimate design - refer to drawing 23-0579-554-RevA

Note: Pit 2001/10 to be constructed in accordance with approval under DA 2023/461/1

Temporary tail out drain with 1.5m wide base and 1in 3 batter slopes. Rip Rap scour protection to be provided at end of tail-out

Temporary twin 1350dia pipes Not Required

PROPOSED BATTER 1:6 MAX

CONSTRUCT 2.5m WIDE SHARED PATH TO COUNCIL STANDARD

PROPOSED ROUNDABOUT. VEGETATION INFILL TO LANDSCAPE ARCHITECT DETAILS

DISCHARGE CONTROL PIT

PROVIDE 1V:6H BATTER TO EXISTING SURFACE LEVELS

PROVIDE STACKED ROCK HEADWALL WITH RIPRAP SCOUR PROTECTION

LIMIT OF ROAD WORKS

PROVIDE STACKED ROCK HEADWALL WITH RIPRAP SCOUR PROTECTION

FOR CONTINUATION REFER TO SHEET SWC 203

FOR CONTINUATION REFER TO SHEET SWC 201

NOTE:

- FOR ALL INTERNAL WALLS AND BATTERS REFER SHEETS DA 500 FOR LOT BENCHING AND RETAINING WALL DETAILS.

EASEMENTS	
(A)	DENOTES 0.9m WIDE MAINTENANCE EASEMENT
(B)	DENOTES 1.5m WIDE MAINTENANCE EASEMENT

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APPROVAL

02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

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BEFORE YOU DIG www.byda.com.au
Zero Damage - Zero Harm

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
H	AP	AP	WA	WA	16/07/2024	SWC MOD FOR ROAD 24 DRAINAGE NETWORK ADJUSTMENTS
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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

Project: 589, 591 & 593 COBBITTY ROAD, COBBITTY (TRANCHE 4, STAGE 3a.) ROAD & DRAINAGE DESIGN

Title: ENGINEERING PLAN SHEET 01

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	200	B

FOR CONTINUATION REFER TO SHEET SWC 204

FOR CONTINUATION REFER TO SHEET SWC 200

FOR CONTINUATION REFER TO SHEET SWC 202

NORTH

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REGISTERED SURVEYOR ID: 8890
ORION GROUP

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APPROVAL

02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

2m WIDE FOOTPATH

PROPOSED SWALE 2. REFER DRAWING 631 FOR PLAN AND DETAILS

REFER TO DWG 700 FOR RETAINING WALL EASEMENTS. NOT SHOWN ON ENGINEERING PLANS

BATTER TO NATURAL 1:6

CONSTRUCT 2.5m WIDE SHARED PATH TO COUNCIL STANDARD

BATTER IN TO LOT VARIES. MAX 1:10 (TYP.)

PROPOSED SUBSTATION LOCATION

INDICATIVE FUTURE LOT LAYOUT TO BE CONFIRMED

PROPOSED SEWER SHOWN INDICATIVE AND FOR INFORMATION PURPOSES ONLY. REFER TO THE APPROVED PLANS BY THE RELEVANT SERVICE AUTHORITY FOR ACCURATE DETAIL INFORMATION

CONSTRUCT 1.2m WIDE FOOTPATH TO COUNCIL STANDARD

PROPOSED EARTH BUND TO DIRECT FLOWS TO PIT

INDICATIVE SEWER. ALIGNMENT TO BE CONFIRMED

ROAD 40A

ROAD 24

ROAD 27

ROAD 29

ROAD 28

CHARLES MCINTOSH PARKWAY

PROPOSED SPLITTER PIT REFER DRG 547 FOR DETAILS

PROVIDE STACKED ROCK HEADWALL WITH RIPRAP SCOUR PROTECTION

HUMEGARD HG45 GPT (4.9MX2.9MX2.1M)
TOTAL POLLUTANT CAPACITY (18.3M³)

PROVIDE REMOVABLE JERSEY KERB ACROSS HOLD LINE OF ROAD No 29

PROPOSED LEVEL SPREADER

LIMIT OF ROAD WORKS. PROVIDE 1m BERM AND 1V:6H BATTER

PROPOSED SWALE 4. REFER DRAWING 633 FOR PLAN AND DETAILS

CONSTRUCT 1.2m WIDE FOOTPATH TO COUNCIL STANDARD

PROVIDE REMOVABLE JERSEY KERB ACROSS HOLD LINE OF ROAD No 28

LIMIT OF ROAD WORKS. PROVIDE 1m BERM AND 1V:6H BATTER.

NOTE:

- REFER DWG 200 FOR LEGEND.

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
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SCALE 1:250 (A1) SCALE 1:500 (A3)

For: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ENGINEERING PLAN
SHEET 02

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	201	B

FOR CONTINUATION REFER TO SHEET SWC 204

FOR CONTINUATION REFER TO SHEET SWC 201

NORTH

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ORION GROUP

CAMDEN COUNCIL
Approved by the Council of Camden under the provisions of the Environment Planning and Assessment Act 1979
APPROVAL
22/03/2024
SUBDIVISION WORKS CERTIFICATE
DA/2023/215/1 SWC.16.2023.215.1

KITTY LANE

HOOK STREET

WISTERIA RISE

CHARLES MCINTOSH PARKWAY

EXISTING RETAINING WALL

LIMIT OF ROAD WORKS. MAKE SMOOTH CONNECTION WITH EXISTING PAVEMENT

EXISTING SEWER. CAUTION

EXISTING DRAINAGE PIT AND PIPE TO REMAIN. PROPOSED SURFACE TO MAKE SMOOTH CONNECTION WITH EXISTING PITS (TYP.)

LP 3101
DP 1231304

BREAK INTO EXISTING PIT, CONNECT NEW PIPE AND MAKE GOOD. REINSTATE KERB AND PAVEMENT AS REQUIRED TO EXISTING CONDITION

STAIRS TO BE INSTALLED FOR PEDESTRIAN ACCESS TO CHARLES MCINTOSH PARKWAY FOR EACH FUTURE TERRACE LOT. EXACT LOCATION, TYPES AND STYLE TO BE CONFIRMED BY OTHERS

TRANSITION CROSS FALL FROM -3% AT CH 1020 TO -2% AT CL HOOK STREET

TRANSITION CROSS FALL FROM -2% AT CL HOOK STREET TO -2% AT CH 1135

LOT 596
DP 1231304

LIMIT OF ROAD WORKS. MAKE SMOOTH CONNECTION WITH EXISTING PAVEMENT

EXISTING PIT TO BE REMOVED AND PIPE EXTENDED TO NEW PIT LOCATION. MAKE GOOD CONNECTION WITH EXISTING PIPE

EXISTING SERVICES TO BE ADJUSTED

CONSTRUCT 2.5m WIDE SHARED PATH TO COUNCIL STANDARD

MAKE SMOOTH CONNECTION WITH EXISTING DRAINAGE PIPE

LIMIT OF ROAD WORKS. MAKE SMOOTH CONNECTION WITH EXISTING PAVEMENT.

TRANSITION CROSS FALL FROM -2% AT CH 1135 TO MATCH EXISTING CROSS FALL AT CH 1167.75

PROPOSED SWALE 4. REFER DRAWING 633 FOR PLAN AND DETAILS

PROVIDE REMOVABLE JERSEY KERB ACROSS HOLD LINE OF HOOK STREET

LIMIT OF ROAD WORKS. PROVIDE 1m BERM AND 1V:6H BATTER.

CONSTRUCT 1.2m WIDE FOOTPATH TO COUNCIL STANDARD

PROVIDE REMOVABLE JERSEY KERB ACROSS HOLD LINE OF WISTERIA RISE

LIMIT OF ROAD WORKS. PROVIDE 1m BERM AND 1V:6H BATTER.

PT146

NOTE:
- REFER DWG 200 FOR LEGEND.

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ENGINEERING PLAN
SHEET 03

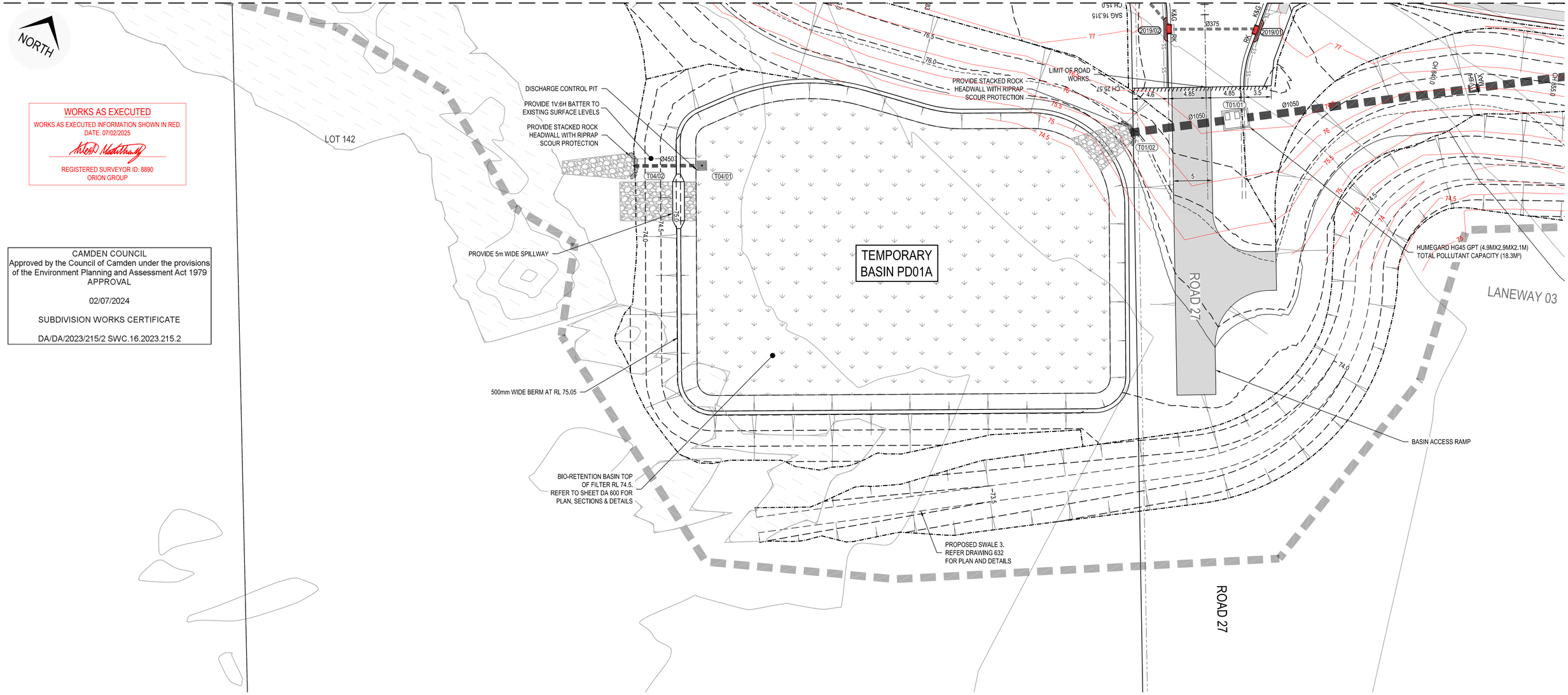
Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	202	G

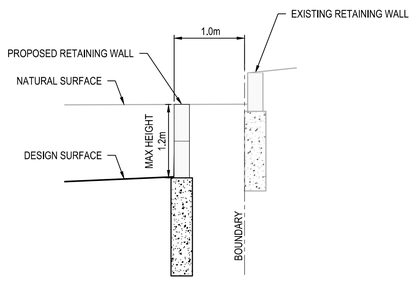
FOR CONTINUATION REFER TO SHEET SWC 200

NORTH

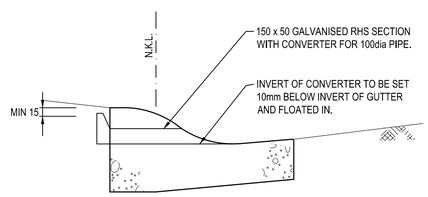
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

CAMDEN COUNCIL
Approved by the Council of Camden under the provisions of the Environment Planning and Assessment Act 1979
APPROVAL
02/07/2024
SUBDIVISION WORKS CERTIFICATE
DA/DA/2023/215/2 SWC.16.2023.215.2

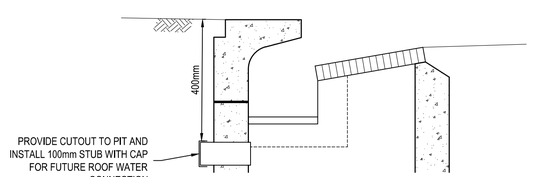




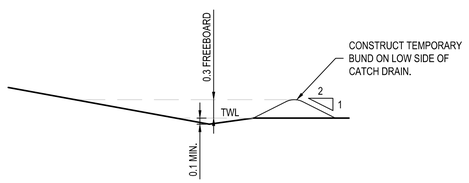
TYPICAL RETAINING WALL SECTION
SCALE 1:50



TYPICAL ROOF WATER CONNECTION WITH KERB (RK)
SCALE 1:10



ROOF WATER CONNECTION TO REAR OF PIT
SCALE 1:10



TYPICAL CATCH DRAIN SECTION
NTS

NOTE:
- REFER DWG 200 FOR LEGEND.

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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Scale:
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 — SCALE 1:10 (A1) — SCALE 1:20 (A3)
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0 — SCALE 1:50 (A1) — SCALE 1:100 (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
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

Project: 589, 591 & 593 COBBITTY ROAD, COBBITTY (TRANCHE 4, STAGE 3a.) ROAD & DRAINAGE DESIGN

Title: ENGINEERING PLAN SHEET 04

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	203	B

NORTH

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

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

03/09/2024

SUBDIVISION WORKS
CERTIFICATE

DA/2023/215/2
SWC.16.2023.215.3

PROPOSED SWALE 1.
REFER DRAWING 630
FOR PLAN AND DETAILS

PROPOSED LEVEL SPREADER

ROAD 24

1V:6H MAX

500mm WIDE CATCH DRAIN AT BOTTOM OF BATTER TO DIVERT FLOWS AWAY FROM LOT

PROVIDE TEMPORARY TURNING HEAD WITH REFLECTORISED GUIDE POSTS AT 1.5m C/C

PROVIDE REMOVABLE JERSEY KERB (TYP)

LIMIT OF ROAD WORKS.

CAP & SEAL PIPE FOR FUTURE CONNECTION

CONSTRUCT TEMPORARY PIT IN THE CATCH DRAIN TO PICK UP UPSTREAM FLOWS

TEMPORARY PIT
E: 288737.241
N: 6234713.795
SURFACE RL: 85.04
IL: 83.365

CONSTRUCT BLIND PIT

PROVIDE TEMPORARY TURNING BAY WITH REFLECTORISED GUIDE POSTS AT 1.5m C/C

TEMPORARY PIT AND PIPE. PROVIDE STACKED ROCK HEADWALL AND RIPRAP SCOUR PROTECTION TO DAYLIGHT

TEMPORARY HEADWALL
E: 288732.778
N: 6234702.242
IL:83.25

Provide DN300 stub and headwall inlet. Pit grate to be class D. Bollards to be relocated around pit 2AC/07

Future RL 87.37
Future pit IL 86.63

2AC/07
900x900
Cover RL = 87.23
ILu = 86.255
ILd = 85.73
Depth = 1.50m
X = 288808.761
Y = 6234736.726

2005/05
GGP EKI
Cover RL = 87.461
ILu = 85.67
ILd = 85.62
Depth = 1.861m
X = 288818.139
Y = 6234746.579

NEW PIT 03
900x900
Cover RL = 87.99
ILu = 85.78
ILd = 85.73
Depth = 2.26m
X = 288822.638
Y = 6234751.245

DN375 RRJ2 @ 7.75%

DN375 RRJ2 @ 1%

DN150 uPVC @ 1%

NEW PIT 02
600x900
Cover RL = 87.13
IL = 86.05
Depth = 1.08m
X = 288846.387
Y = 6234761.035

CONSTRUCT 1.2m WIDE FOOTPATH TO COUNCIL STANDARD

CATCH DRAIN

DN375 RRJ2 @ 5.51%

Revised catch drain alignment. Batter to be max 1:4

2014/01
Future GGP EKI - Temp GSIP
Cover RL = 86.917
ILu = 85.41
ILd = 85.36
Depth = 1.557m
X = 288815.029
Y = 6234737.139

Pit 2014/01 to have class D grate

DN375 RRJ2 @ 5.65%

NEW PIT 01
600x600
Cover RL = 86.89
IL = 86.14
Depth = 0.75m
X = 288849.559
Y = 6234753.003

DN375 RRJ2 @ 7.32%

Pit IL 82.92

PROVIDE 1V:6H BATTER TO EXISTING SURFACE LEVELS

CONSTRUCT 2.5m WIDE FOOTPATH TO COUNCIL STANDARD

ROAD 40A

ROAD 24

EXISTING RETAINING WALL

PROPOSED RETAINING WALL

ARCADIAN HILLS
EXISTING DEVELOPMENT

FUTURE
SCHOOL

NOTE:
- REFER DWG 200 FOR LEGEND.

FOR CONTINUATION REFER TO SHEET SWC 201

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

G	AP	AP	WA	WA	16/07/2024	SWC MOD FOR ROAD 24 DRAINAGE NETWORK ADJUSTMENTS
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
Rev	Drawn	Design	Check	Appd.	Date	Revision Description

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Scale:
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

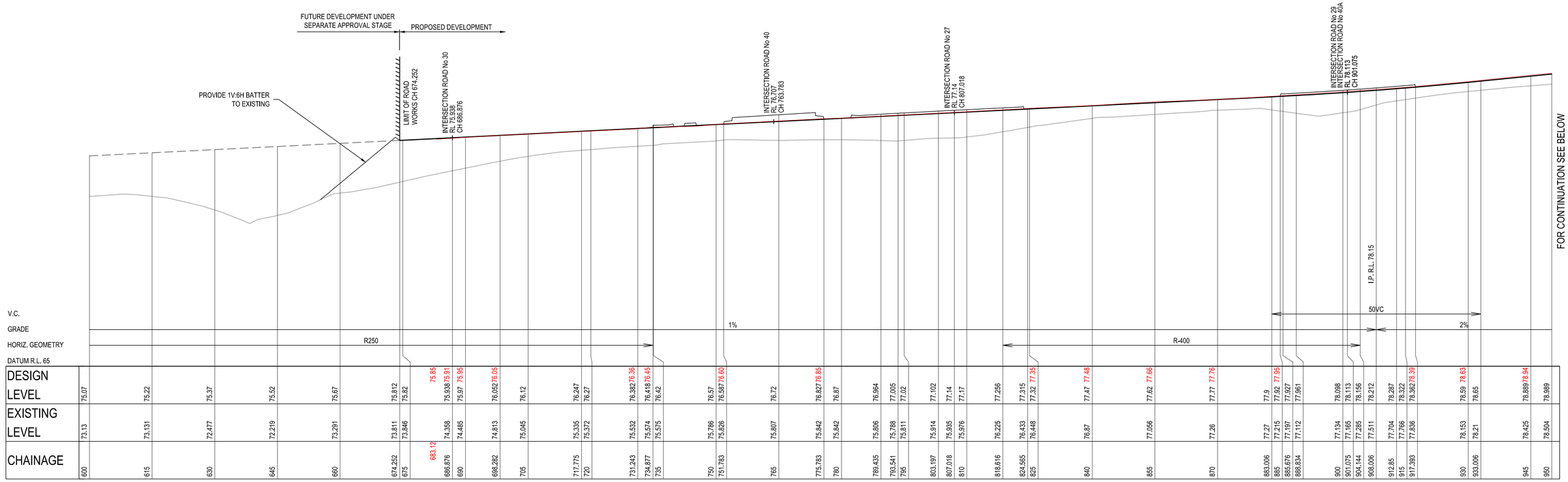
By: ORION
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

JAS-ANZ SUSTAINABLE PROJECTS WWW.JAS-ANZ.ORG/REGISTER

Project:
589, 591 & 593 COBBITTY ROAD,
COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

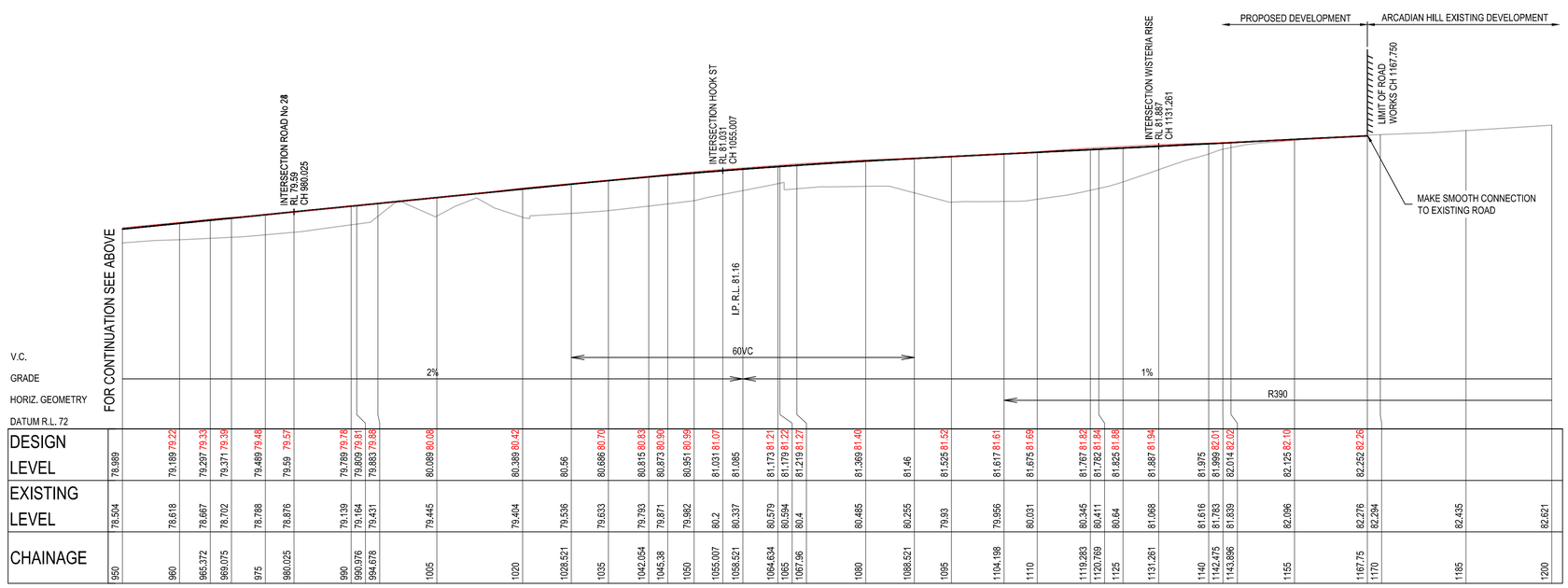
Title:
ENGINEERING PLAN
SHEET 05

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	204	G



LONGITUDINAL SECTION - CHARLES MCINTOSH PKWY

SCALE 1:500 (H)
SCALE 1:100 (V)



LONGITUDINAL SECTION - CHARLES MCINTOSH PKWY

SCALE 1:500 (H)
SCALE 1:100 (V)

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND
- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE SURFACE

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (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

Project: 589, 591 & 593 COBBITTY ROAD, COBBITTY (TRANCHE 4, STAGE 3a.) ROAD & DRAINAGE DESIGN

Title: ROAD LONGITUDINAL SECTIONS SHEET 01

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	301	F

LEGEND

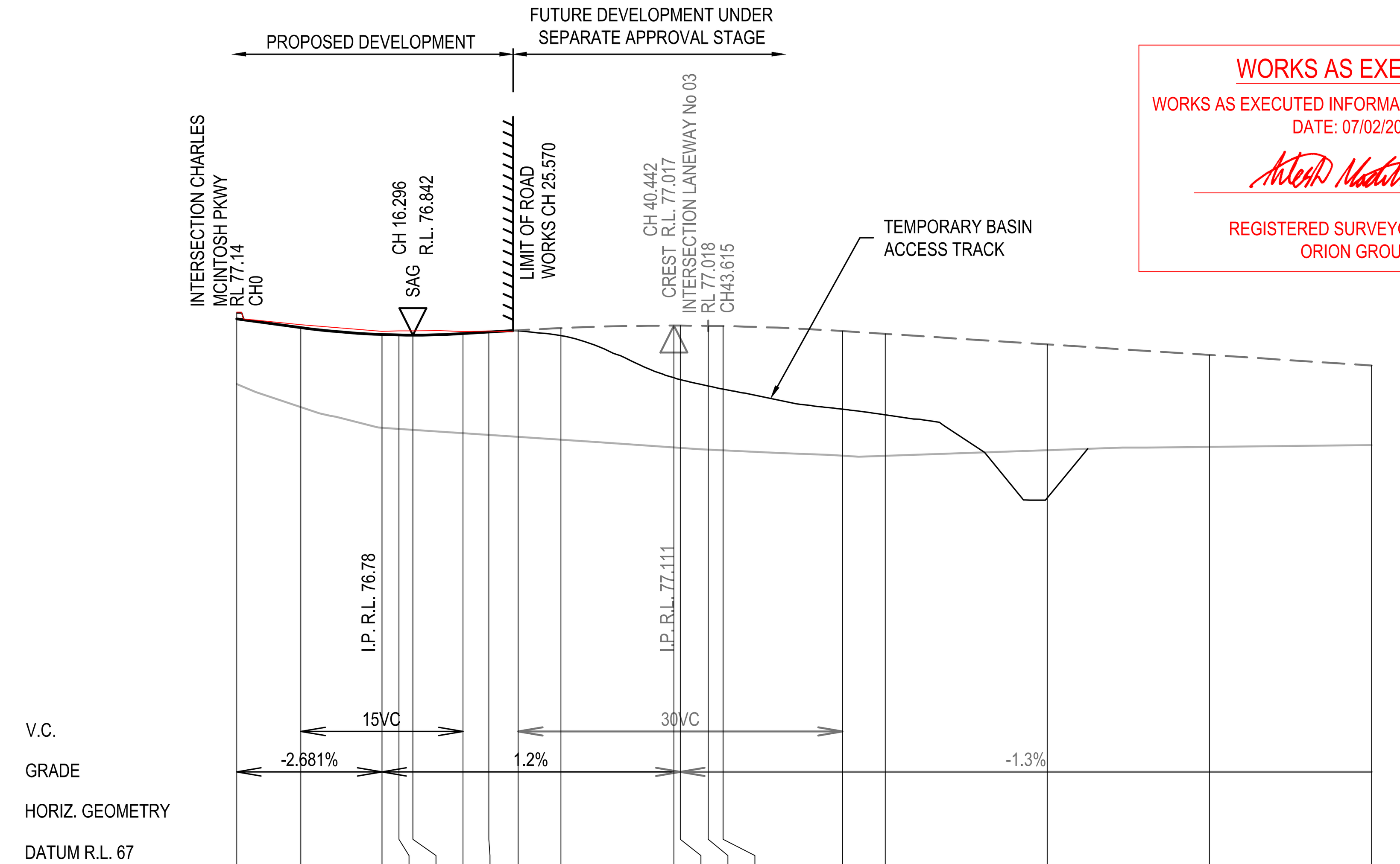
DESIGN SURFACE	(solid line)
EXISTING SURFACE	(grey line)
FUTURE SURFACE	(dashed line)

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

CHAINAGE	DESIGN LEVEL	EXISTING LEVEL
150	90.001	89.733
157.022	89.605	88.921
164.648	89.12	88.044
165	89.096 89.16	88.004
172.228	88.581 88.62	87.187
180	87.998 88.02	86.301
190.386	87.219 87.23	85.379
191.698	87.12 87.13	85.29
195	86.873 86.89	85.065
202.406	86.317 86.34	84.549
210	85.748 85.77	84.04
225	84.623 84.65	83.41
240	83.498 83.53	82.69
248.348	82.871	82.374
255	82.391 82.41	82.1
256.95	82.257 82.27	82.019
268.971	81.503 81.51	81.589
270	81.444 81.45	81.549
273.348	81.259	81.441
285	80.687 80.70	81.125
298.348	80.171	80.608
300	80.117 80.11	80.543
315	79.622 79.62	79.97
318.729	79.499	79.819
319.856	79.464 79.45	79.773
324.077	79.366 79.38	79.629
328.729	79.32 79.37	79.449
329.684	79.318 79.37	79.41
330	79.318 79.37	79.397
338.729	79.441 79.48	79.077
344.184	79.59 79.57	78.876

LONGITUDINAL SECTION - ROAD No 24

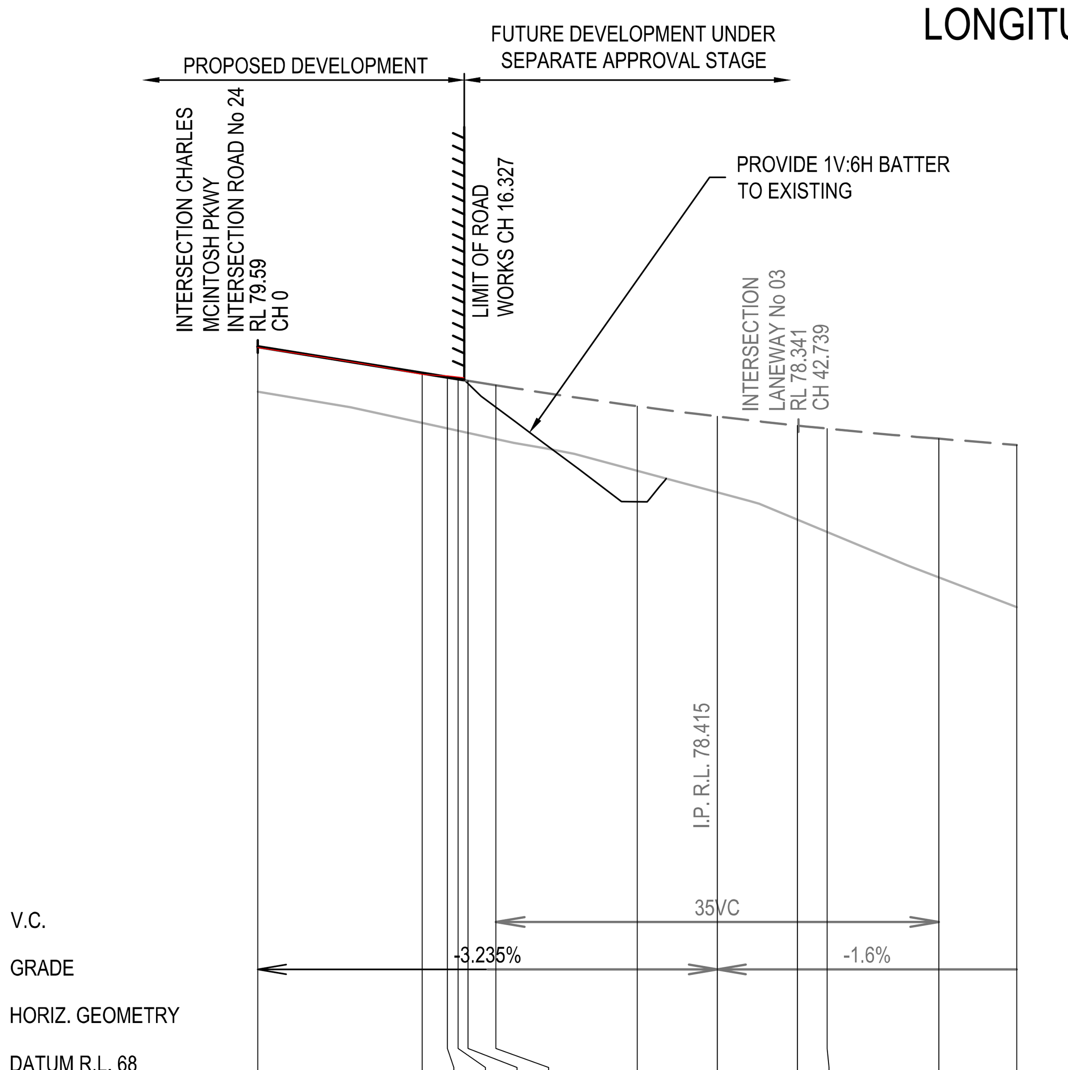
SCALE 1:500 (H)
SCALE 1:100 (V)



CHAINAGE	DESIGN LEVEL	EXISTING LEVEL
0	77.14 77.26	75.935
	77.14	
5.934	76.981 77.03	75.509
13.434	76.852 76.91	75.125
15	76.844 76.91	75.104
16.296	76.842 76.91	75.087
20.934	76.87 76.90	75.025
23.317	76.898 76.91	74.993
26.043 25.57	76.931 76.90	74.957
30	76.972	74.905
40.442	77.017	74.762
41.043	77.017	74.753
43.614	77.013	74.721
45	77.009	74.707
56.043	76.916	74.608
60	76.864	74.607
75	76.669	74.71
90	76.474	74.772
105	76.279	74.806

LONGITUDINAL SECTION - ROAD No 27

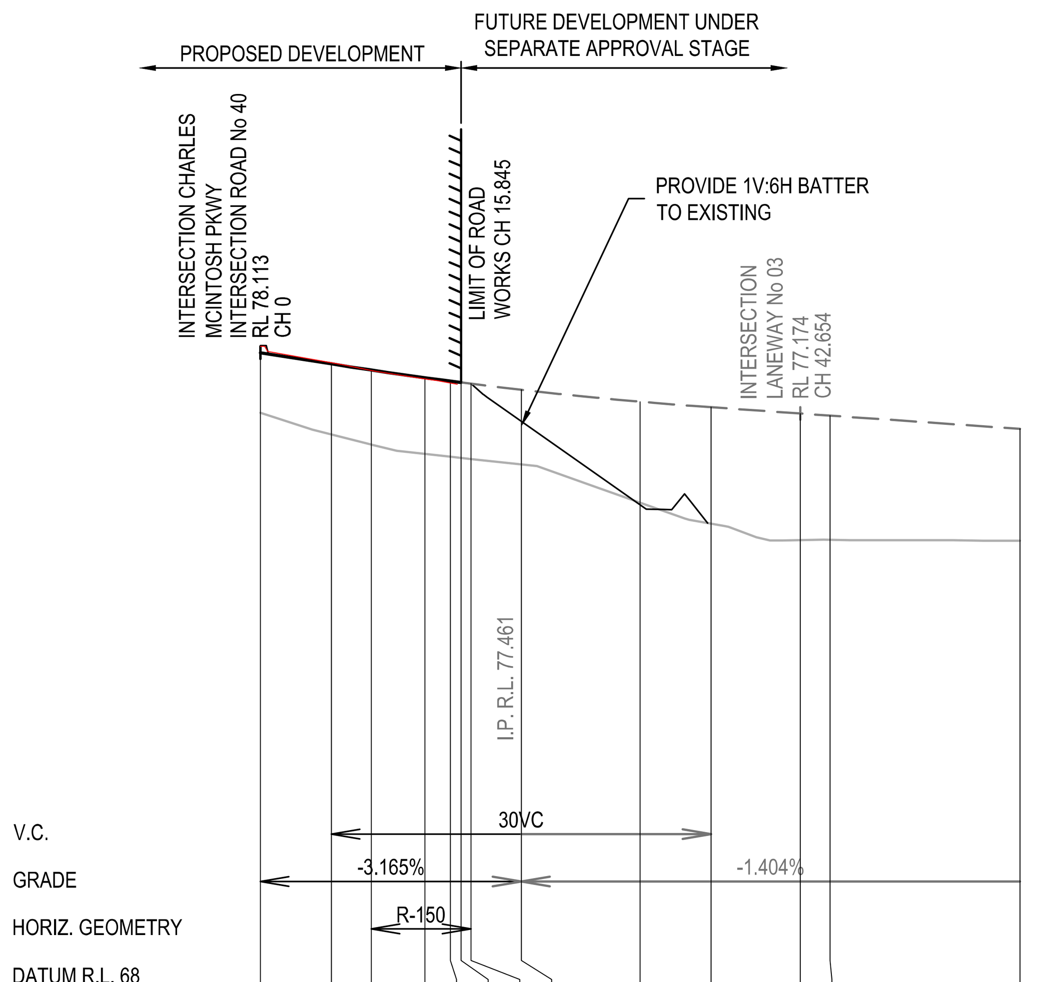
SCALE 1:500 (H)
SCALE 1:100 (V)



CHAINAGE	DESIGN LEVEL	EXISTING LEVEL
0	79.59 79.57	78.876
12.994	79.17 79.14	78.386
15	79.105 79.12	78.299
15.845	79.077 79.10	78.262
16.625 16.31	79.052 79.09	78.228
18.827	78.981	78.132
30	78.649	77.629
36.327	78.486	77.288
42.654	78.343	76.855
45	78.294	76.66
53.827	78.135	75.945
60	78.036	75.473

LONGITUDINAL SECTION - ROAD No 28

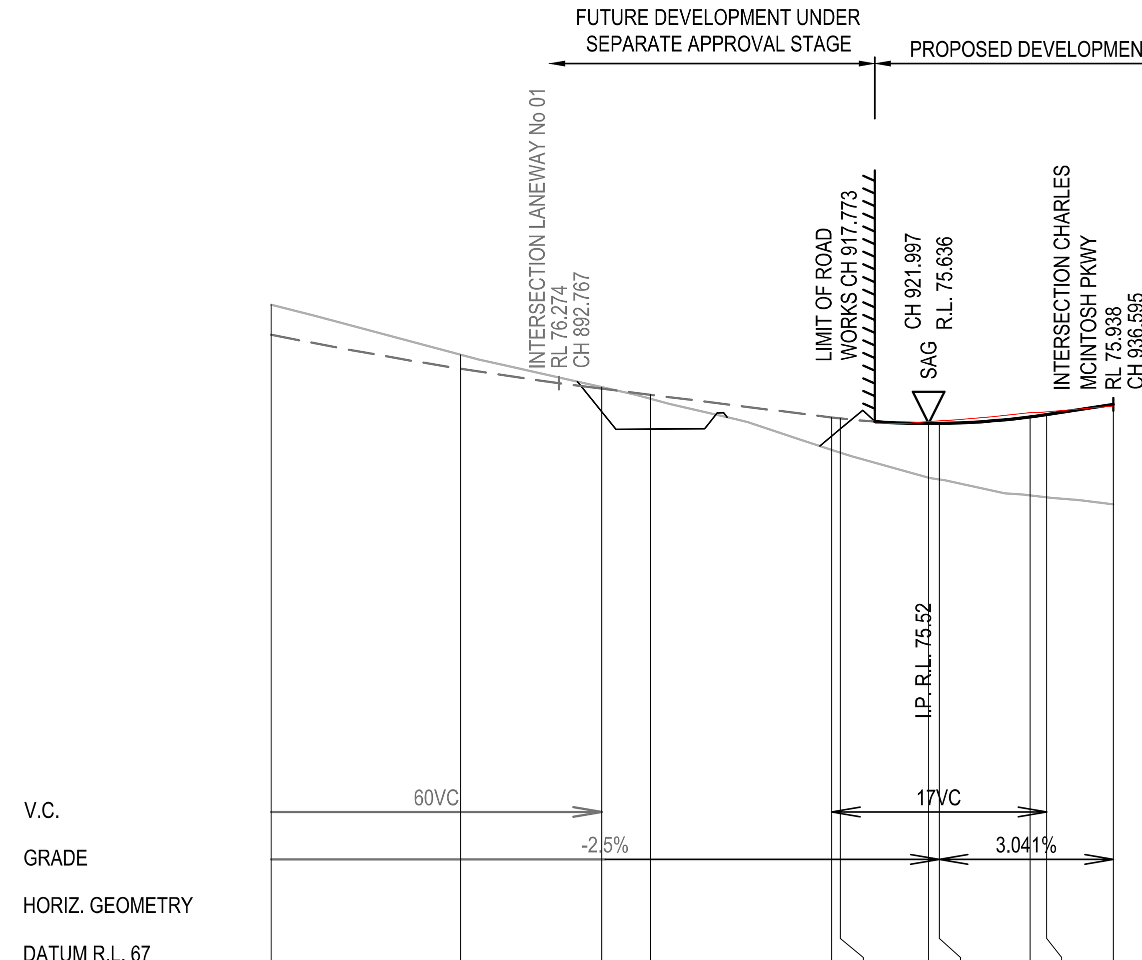
SCALE 1:500 (H)
SCALE 1:100 (V)



CHAINAGE	DESIGN LEVEL	EXISTING LEVEL
0	78.113 78.21	77.165
	78.13	
5.602	77.936	76.821
8.759	77.839 77.83	76.66
12.994	77.718 77.69	76.511
15	77.664 77.63	76.468
15.845 15.56	77.642 77.61	76.449
16.625	77.622	76.432
20.602	77.527	76.347
30	77.338	75.741
35.602	77.25	75.41
42.654	77.151	75.149
45	77.118	75.153
60	76.908	75.141

LONGITUDINAL SECTION - ROAD No 29

SCALE 1:500 (H)
SCALE 1:100 (V)



CHAINAGE	DESIGN LEVEL	EXISTING LEVEL
870	77.04	77.512
885	76.502	76.722
896.148	76.187	76.212
900	76.09	76.028
914.327	75.732	75.22
915	75.716	75.176
917.77	75.64	
921.997	75.636 75.66	74.778
922.827	75.637 75.67	74.753
930	75.741 75.80	74.501
931.327	75.778 75.82	74.47
936.595	75.938 75.91	74.358

LONGITUDINAL SECTION - ROAD No 30

SCALE 1:500 (H)
SCALE 1:100 (V)

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

02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (A3)

For: mirvac

By: ORION

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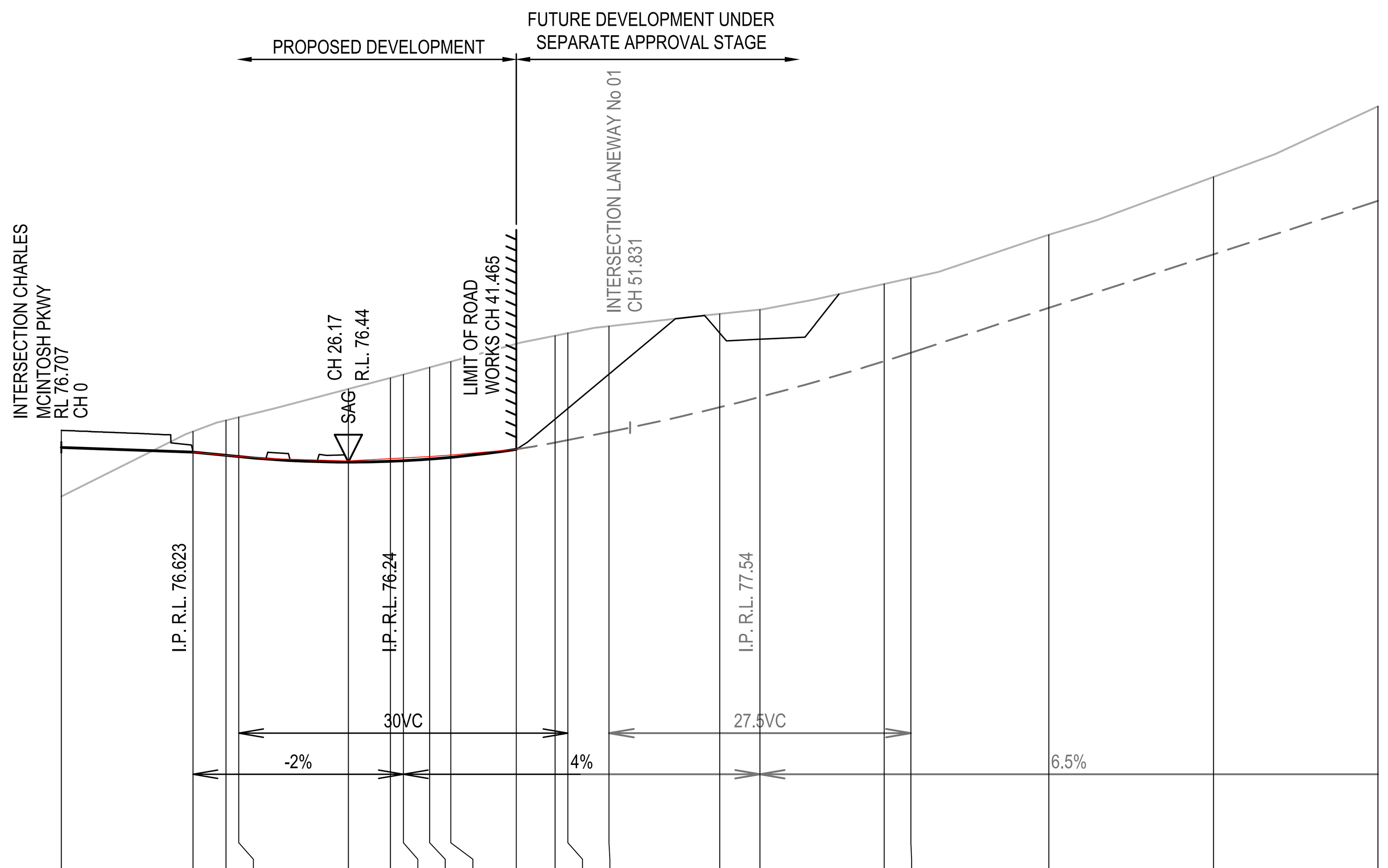
Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD LONGITUDINAL SECTIONS
SHEET 02

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	302	B

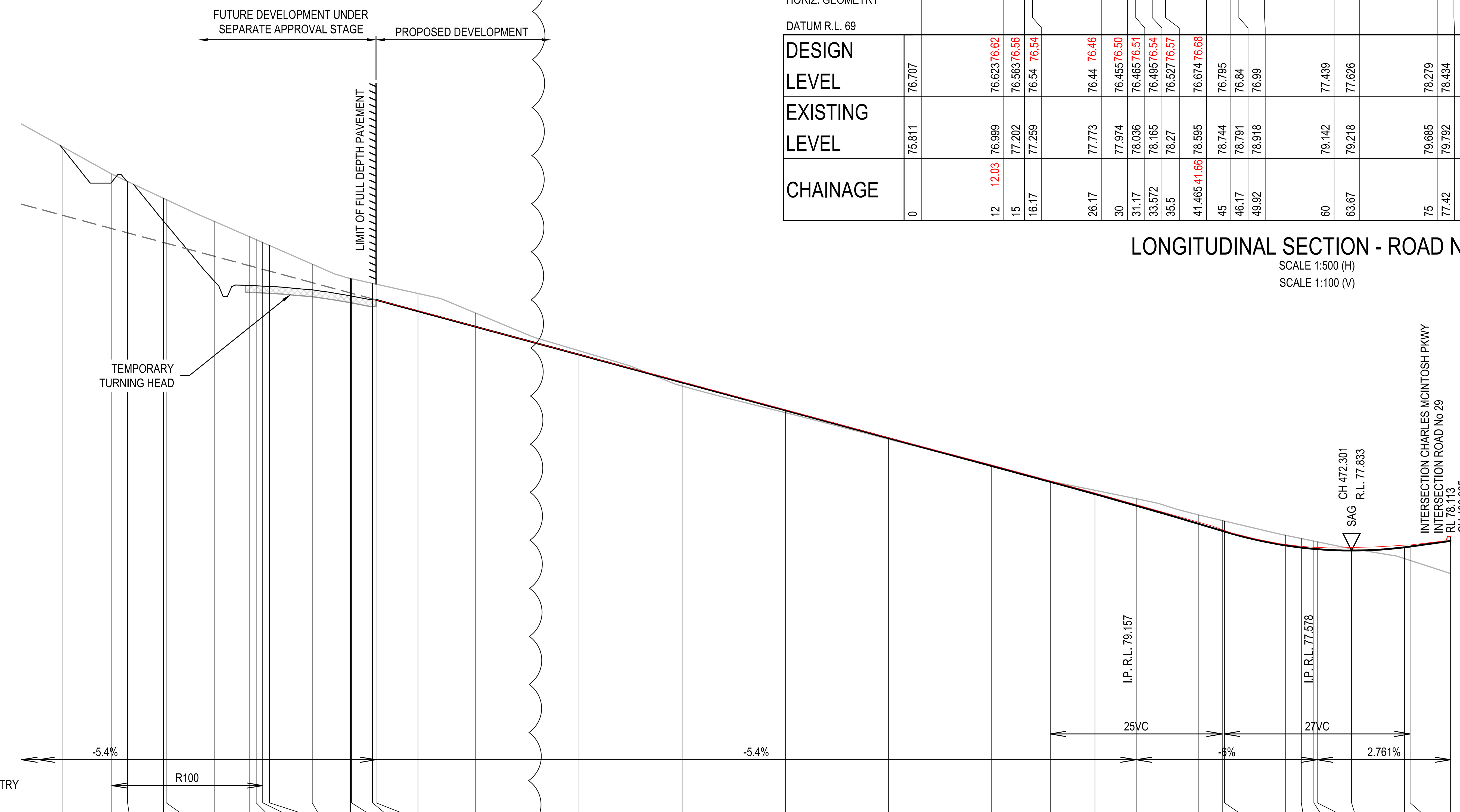


DESIGN LEVEL	76.707	76.623 76.62	76.563 76.56	76.54 76.54	76.44 76.46	76.455 76.50	76.465 76.51	76.495 76.54	76.527 76.57	76.674 76.68	76.795	76.84	76.99	77.439	77.626	78.279	78.434	79.251	80.226	81.201
EXISTING LEVEL	75.811	76.999	77.202	77.259	77.773	77.974	78.036	78.165	78.27	78.595	78.744	78.791	78.918	79.142	79.218	79.685	79.792	80.585	81.637	82.924
CHAINAGE	0	12 12.03	15	16.17	26.17	30	31.17	33.572	35.5	41.465 41.66	45	46.17	49.92	60	63.67	75	77.42	90	105	120

LONGITUDINAL SECTION - ROAD No 40

SCALE 1:500 (H)
SCALE 1:100 (V)

H



DESIGN LEVEL	87.581	87.196	87.073	86.792	86.771	86.388	86.119	86.064	86.013	85.961	85.624	85.325	85.317	85.151	85.124 85.12	84.794 84.81	84.341 84.34	83.531 83.53
EXISTING LEVEL	89.568	88.78	88.567	88.08	88.042	87.4	86.964	86.875	86.792	86.707	86.162	85.745	85.738	85.602	85.58	85.31	84.739	83.646
CHAINAGE	285	292.112	294.393	299.593	300	307.076	312.07	313.077	314.03	315	321.234	326.777	326.924	330	330.5	336.598	345	360

DESIGN LEVEL	82.721 82.74	81.911 81.93	81.101 81.11	80.291 80.32	79.832 79.86	79.476 79.51	79.138 79.17	78.615 78.66	78.407 78.44	78.388 78.42	77.982 78.01	77.92 77.95	77.882 77.92	77.874 77.92	77.833 77.92	77.929 77.99	77.951 77.99	78.12 78.113 78.21
EXISTING LEVEL	82.619	81.844	81.072	80.293	79.851	79.584	79.34	78.873	78.707	78.692	78.276	78.183	78.109	78.089	77.888	77.6	77.547	77.165
CHAINAGE	375	390	405	420	428.5	435	441	450	453.5	453.81	462.736	465	466.812	467.31	472.301	480	480.81	486.685

LONGITUDINAL SECTION - ROAD No 40A

SCALE 1:500 (H)
SCALE 1:100 (V)

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND

- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE SURFACE

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
H	LMc	LMc	MP	MP	03/04/2024	ROAD 40A LONGITUDINAL SECTION EXTENDED
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD LONGITUDINAL SECTIONS
SHEET 03

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	303	H

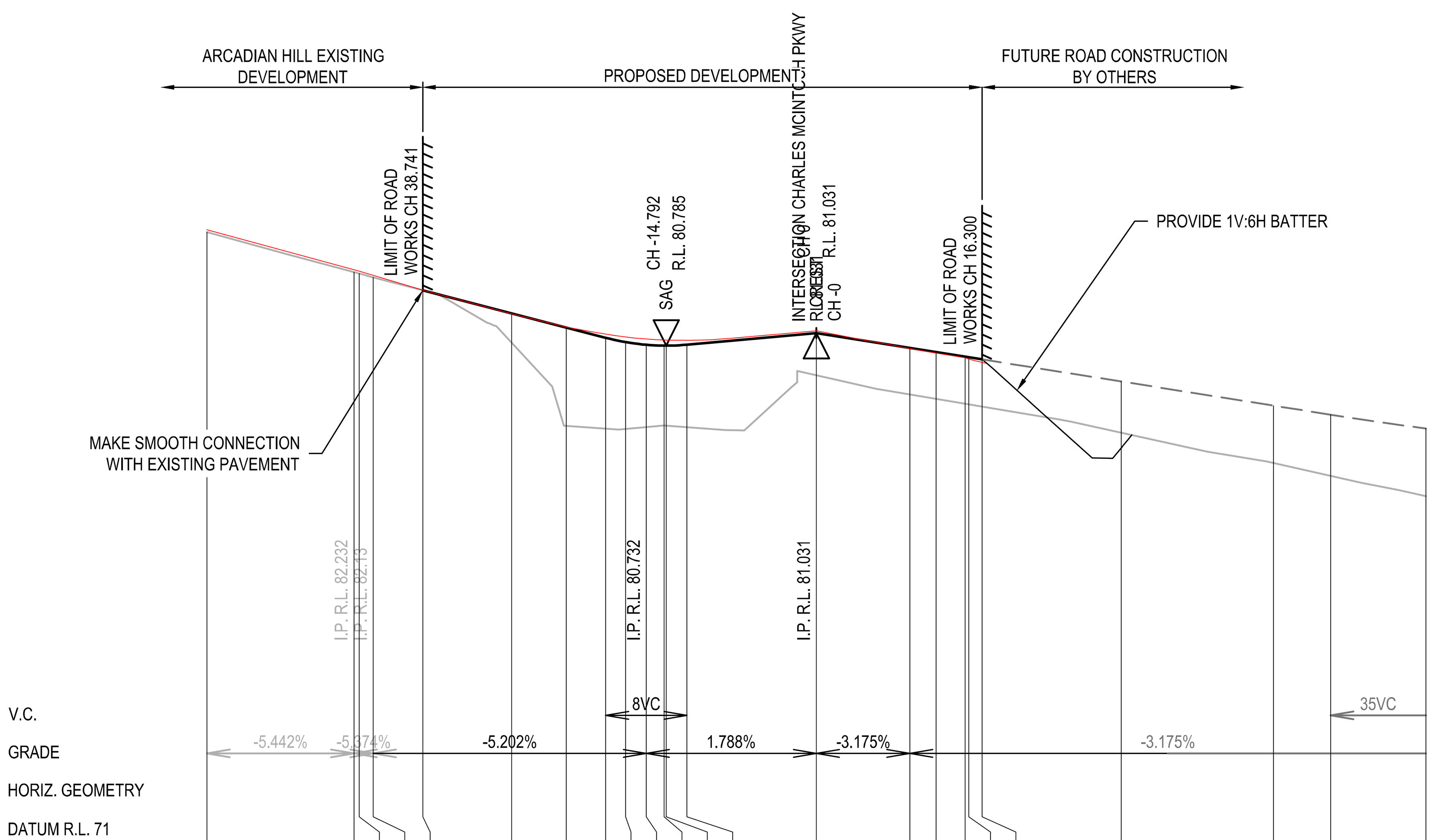
LEGEND

DESIGN SURFACE	solid line
EXISTING SURFACE	grey line
FUTURE SURFACE	dashed line

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

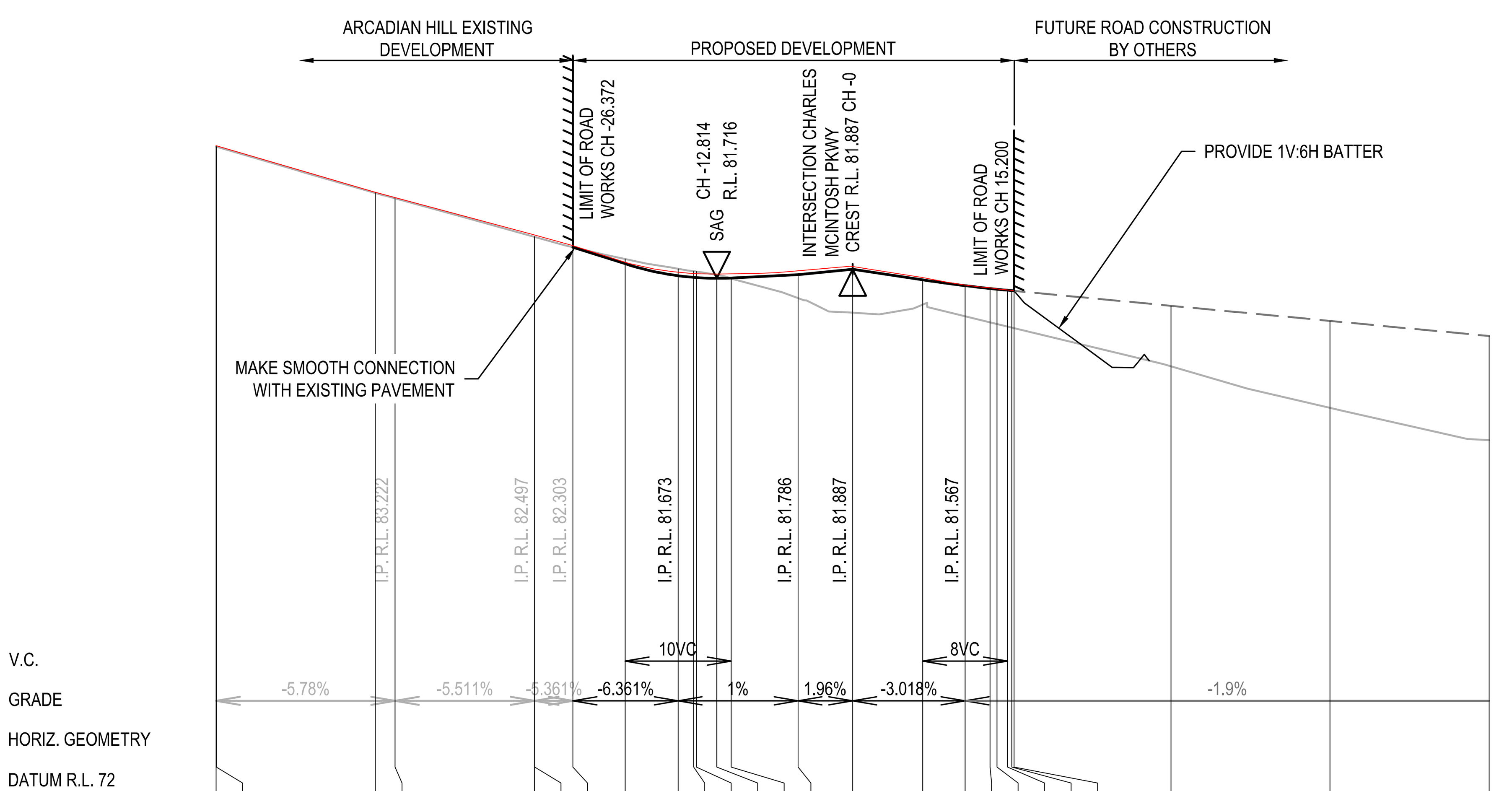
REGISTERED SURVEYOR ID: 8890
ORION GROUP



CHAINAGE	DESIGN LEVEL	DESIGN LEVEL (WAE, red)	EXISTING LEVEL
-60	83.02	83.06	83.02
-45.524	82.232		82.232
-45	82.204	82.25	82.204
-43.633	82.13		82.13
-38.741	81.876	81.87	81.877
-30	81.421	81.41	80.839
-24.627	81.142	81.15	79.205
-20.745	80.94		79.15
-18.783	80.855	80.95	79.144
-16.745	80.802	80.91	79.179
-15	80.785	80.89	79.209
-14.792	80.785	80.89	79.206
-12.745	80.803	80.89	79.177
0	81.031	81.07	80.199
9.193	80.739	80.72	79.822
11.783	80.657	80.63	79.735
14.627	80.567	80.54	79.639
15	80.555	80.52	79.626
16.3	80.514	80.45	79.582
16.65 (red)		80.43	
30	80.079		79.069
45	79.602		78.472
50.615	79.424		78.219
60	79.151		77.817

LONGITUDINAL SECTION - HOOK ST

SCALE 1:500 (H)
SCALE 1:100 (V)



CHAINAGE	DESIGN LEVEL	DESIGN LEVEL (WAE, red)	EXISTING LEVEL
-60.02	84.198		84.198
-60	84.197	84.21	84.197
-45	83.33	83.34	83.326
-43.145	83.222		83.222
-30	82.498	82.54	82.499
-29.986	82.497		82.498
-26.372	82.303	82.33	82.303
-21.455	81.991	82.02	82.08
-16.455	81.765	81.83	81.896
-15	81.733	81.80	81.85
-14.747	81.73	81.80	81.843
-12.814	81.716	81.79	81.781
-11.455	81.723	81.79	81.716
-5.152	81.786	81.85	81.344
0	81.887	81.94	81.068
6.587	81.688	81.73	81.222
10.587	81.578	81.59	81.001
12.949	81.524	81.53	80.885
13.595	81.511	81.52	80.854
14.587	81.491		80.807
15	81.483	81.49	80.787
15.2	81.48		80.777
15.29 (red)		81.48	
30	81.198		80.058
45	80.913		79.274
60	80.628		78.665

LONGITUDINAL SECTION - WISTERIA RISE

SCALE 1:500 (H)
SCALE 1:100 (V)

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
SCALE 1:100 (A1) — SCALE 1:200 (A3)
SCALE 1:500 (A1) — SCALE 1:1000 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

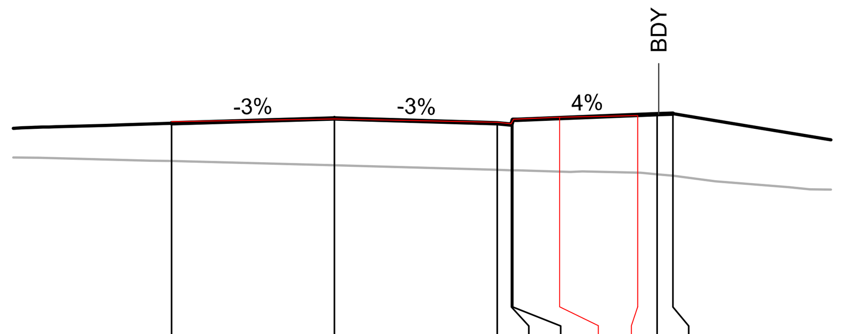
Title:
ROAD LONGITUDINAL SECTIONS
SHEET 04

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	304	G

CHARLES MCINTOSH PARKWAY

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

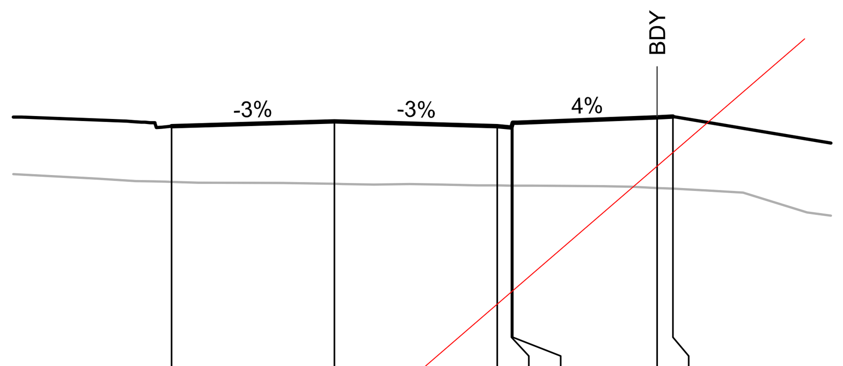
LEGEND	
EXISTING SURFACE	(grey line)
DESIGN SURFACE	(black line)



DATUM R.L. 69

W.A.E.	75.86	75.95	75.84	75.79	75.94	76.00	76.05		
DESIGN LEVEL	75.815	75.97	75.815	75.775	75.925			76.102	76.122
EXISTING LEVEL	74.619	74.485	74.342	74.329	74.328			74.203	74.156
OFFSET	-5.15	0	5.15 5.17	5.6 5.58	5.64 5.66	7.12	9.59	10.2	10.7

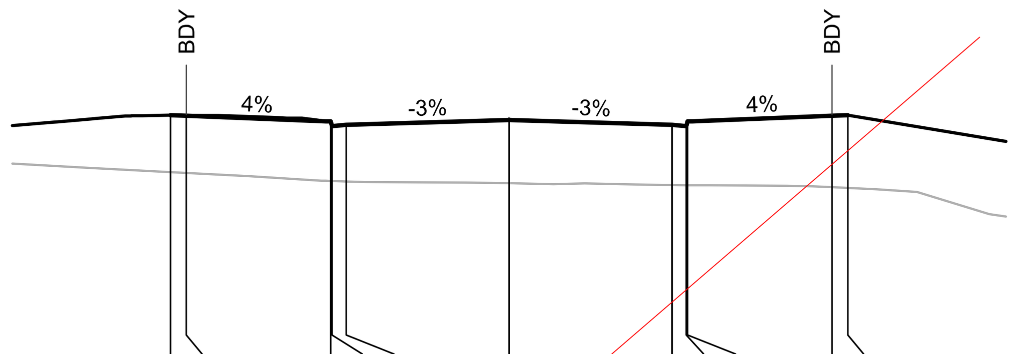
CH 690



DATUM R.L. 68

W.A.E.							
DESIGN LEVEL	75.665	75.82	75.665	75.625	75.775	75.952	75.972
EXISTING LEVEL	73.912	73.846	73.796	73.793	73.793	73.717	73.693
OFFSET	-5.15	0	5.15	5.6	5.64	10.2	10.7

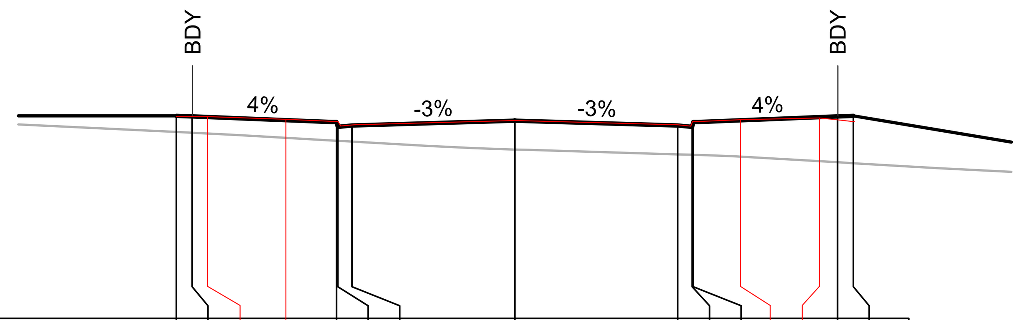
CH 675
NOT CONSTRUCTED



DATUM R.L. 68

W.A.E.											
DESIGN LEVEL	75.964	75.944	75.768	75.618	75.658	75.812	75.658	75.618	75.768	75.944	75.964
EXISTING LEVEL	74.162	74.135	73.882	73.881	73.865	73.811	73.751	73.748	73.748	73.683	73.659
OFFSET	-10.7	-10.2	-5.64	-5.6	-5.15	0	5.15	5.6	5.64	10.2	10.7

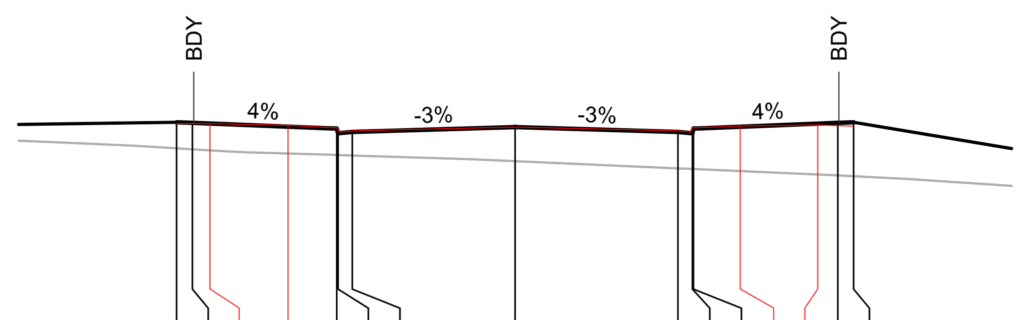
CH 674.252
NOT CONSTRUCTED



DATUM R.L. 70

W.A.E.	76.37	76.37	76.37	76.28	76.21	76.07	76.11	76.25	76.11	76.07	76.21	76.27	76.33	76.26	76.21
DESIGN LEVEL	76.399	76.379			76.203	76.053	76.093	76.247	76.093	76.053	76.203			76.379	76.399
EXISTING LEVEL	75.887	75.863			75.615	75.613	75.587	75.335	75.18	75.167	75.166			74.932	74.903
OFFSET	-10.7	-10.2	9.71	7.24	-5.64 5.59	-5.6 5.51	-5.15 5.08	0	5.15 5.15	5.6 5.56	5.64 5.62	7.14	9.63	10.2	10.7 10.74

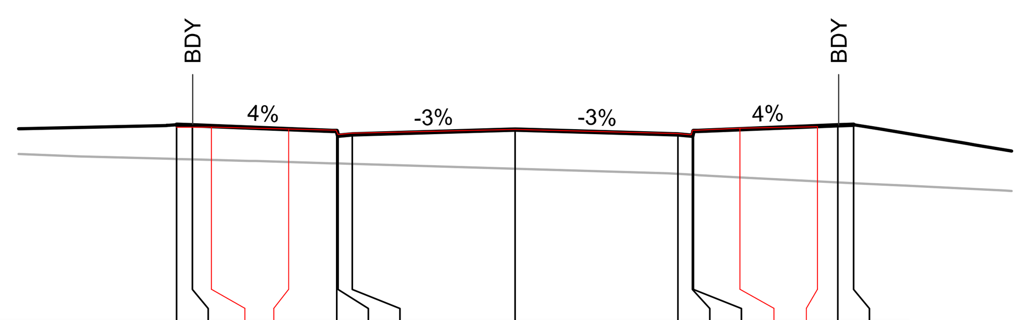
CH 717.775



DATUM R.L. 70

W.A.E.	76.22	76.22	76.22	76.17	76.09	75.95	75.99	76.11	75.99	75.95	76.09	76.14	76.18	76.16	76.14
DESIGN LEVEL	76.271	76.251			76.075	75.925	75.965	76.12	75.965	75.925	76.075			76.251	76.271
EXISTING LEVEL	75.45	75.419			75.238	75.237	75.223	75.045	74.818	74.798	74.796			74.595	74.571
OFFSET	-10.7	-10.2	9.65	7.18	-5.64 5.61	-5.6 5.55	-5.15 5.12	0	5.15 5.13	5.6 5.54	5.64 5.61	7.12	9.57	10.2	10.7

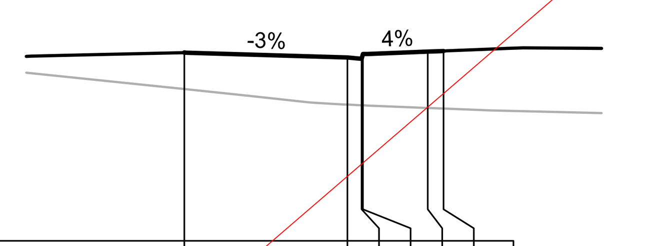
CH 705



DATUM R.L. 70

W.A.E.	76.11	76.12	76.12	76.06	76.02	75.89	75.93	76.05	75.91	75.88	76.02	76.08	76.13		
DESIGN LEVEL	76.204	76.184			76.008	75.858	75.898	76.052	75.898	75.858	76.008			76.184	76.204
EXISTING LEVEL	75.121	75.108			74.981	74.979	74.966	74.813	74.651	74.625	74.623			74.385	74.36
OFFSET	-10.7	-10.2	9.60	7.16	-5.64 5.66	-5.6 5.60	-5.15 5.16	0	5.15 5.15	5.6 5.57	5.64 5.61	7.11	9.56	10.2	10.7

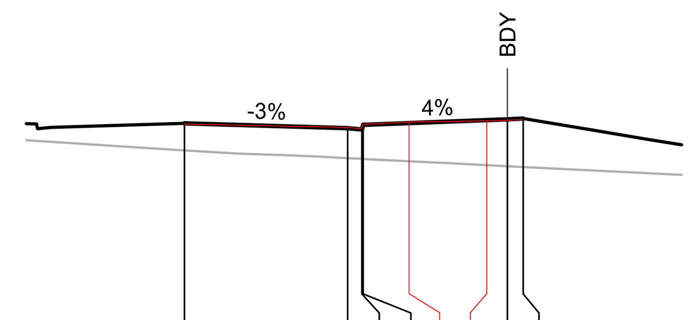
CH 698.282



DATUM R.L. 71

W.A.E.						
DESIGN LEVEL	76.964	76.809	76.769	76.919	76.995	77.015
EXISTING LEVEL	75.806	75.317	75.296	75.294	75.211	75.19
OFFSET	0	5.15	5.6	5.64	7.69	8.19

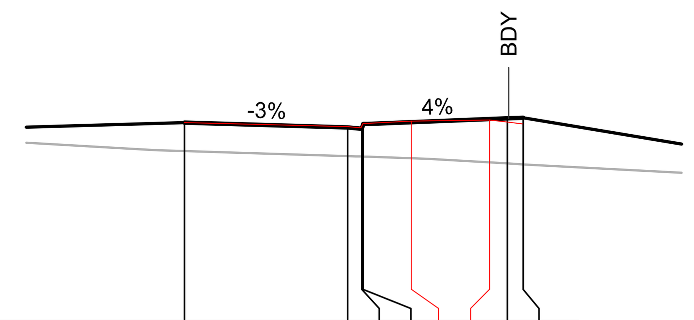
CH 789.435
SEE MOD 510



DATUM R.L. 70

W.A.E.	76.36	76.25	76.21	76.35	76.42	76.46	76.48	76.49
DESIGN LEVEL	76.382	76.228	76.188	76.338			76.514	76.534
EXISTING LEVEL	75.532	75.285	75.262	75.26			75.031	75.006
OFFSET	0	5.15 5.16	5.6 5.57	5.64 5.64	7.09	9.55	10.2	10.7 10.68

CH 731.243



DATUM R.L. 70

W.A.E.	76.26	76.14	76.10	76.23	76.31	76.34	76.28	76.22
DESIGN LEVEL	76.27	76.115	76.075	76.225			76.401	76.421
EXISTING LEVEL	75.372	75.213	75.199	75.197			74.98	74.95
OFFSET	0	5.15 5.14	5.6 5.58	5.64 5.64	7.17	9.64	10.2	10.7 10.68

CH 720

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

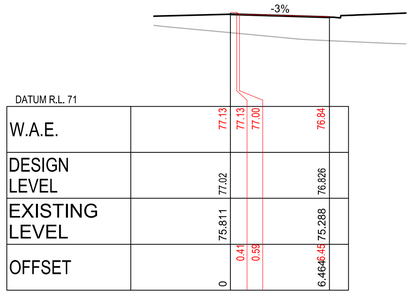
Title:
ROAD CROSS SECTIONS
SHEET 01

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	310	F

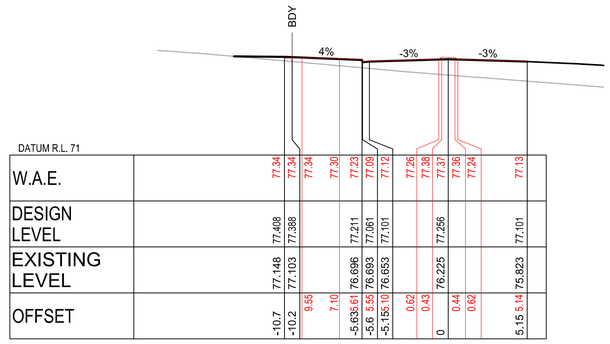
CHARLES MCINTOSH PARKWAY

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

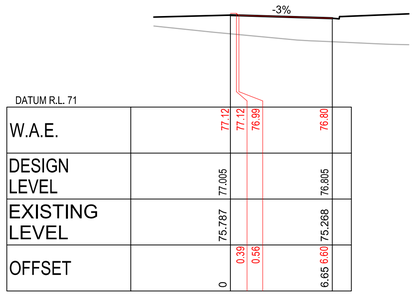
LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	



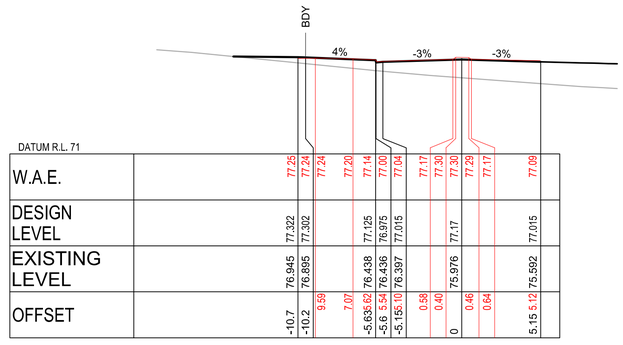
CH 795



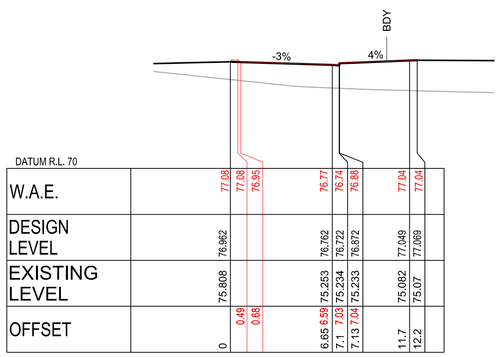
CH 818.616



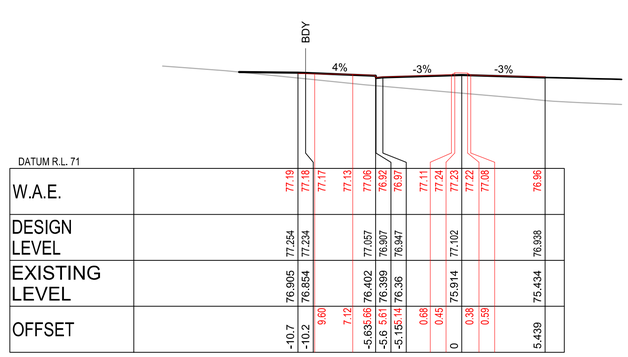
CH 793.51



CH 810



CH 789.239



CH 803.197

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

02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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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: mirvac

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

Project: 589, 591 & 593 COBBITTY ROAD, COBBITTY (TRANCHE 4, STAGE 3a.) ROAD & DRAINAGE DESIGN

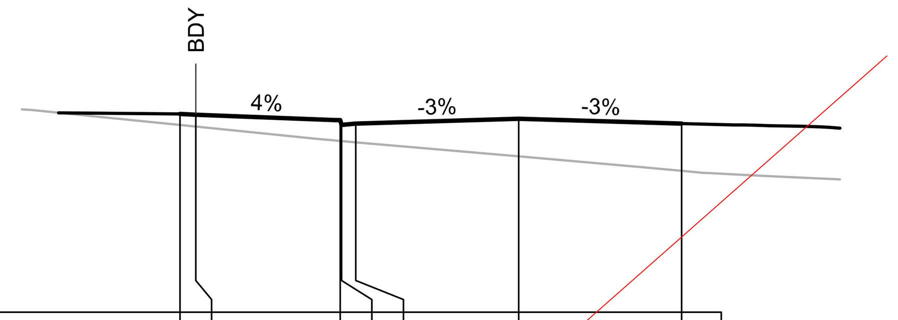
Title: ROAD CROSS SECTIONS

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	310	B

CHARLES MCINTOSH PARKWAY

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

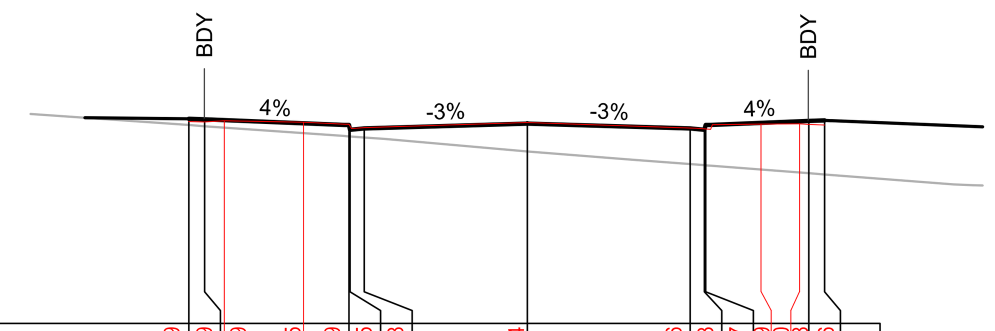
LEGEND	
EXISTING SURFACE	(grey line)
DESIGN SURFACE	(black line)



DATUM R.L. 71

W.A.E.							
DESIGN LEVEL	77.253	77.233	77.057	76.907	76.947	77.102	76.947
EXISTING LEVEL	76.905	76.854	76.403	76.399	76.36	75.914	75.461
OFFSET	-10.7	-10.2	-5.64	-5.6	-5.15	0	5.15

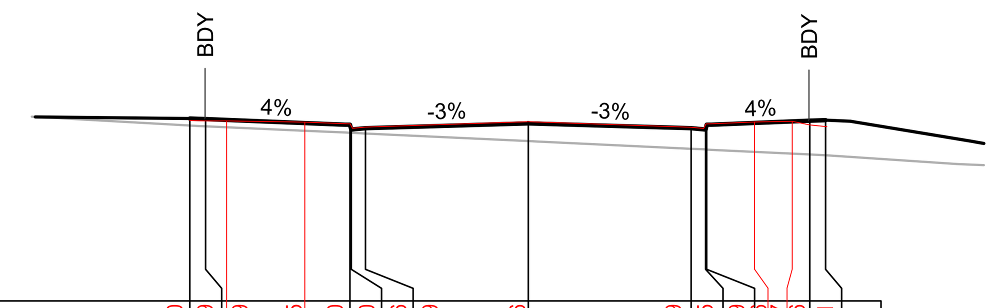
CH 803.197
SEE MOD 510



DATUM R.L. 71

W.A.E.	77.39	77.39	77.39	77.35	77.29	77.15	77.18	77.34	77.16	77.13	77.27	77.29	77.30	77.28	77.26
DESIGN LEVEL	77.467	77.447			77.271	77.121	77.161	77.315	77.161	77.121	77.271			77.395	77.415
EXISTING LEVEL	77.267	77.232			76.909	76.906	76.874	76.433	76.034	75.999	75.996			75.745	75.706
OFFSET	-10.7	-10.2	9.57	7.07	-5.64 5.63	-5.6 5.55	-5.15 5.13	0	5.15 5.35	5.6 5.80	5.64 5.85	7.39	8.61	8.9	9.4

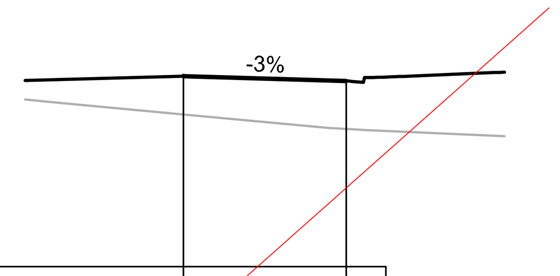
CH 824.565



DATUM R.L. 72

W.A.E.	77.70	77.69	77.69	77.65	77.60	77.60	77.46	77.49	77.66	77.49	77.45	77.59	77.66	77.67	77.56	77.51
DESIGN LEVEL	77.771	77.751			77.575	77.425	77.465		77.62	77.465	77.425	77.575			77.699	77.719
EXISTING LEVEL	77.551	77.526			77.319	77.317	77.296		77.056	76.813	76.792	76.79			76.636	76.606
OFFSET	-10.7	-10.2	9.53	7.07	-5.64 5.76	-5.6 5.63	-5.15 5.56	5.14	0	5.15 5.11	5.6 5.55	5.64 5.62	7.15	8.35	8.9	9.4

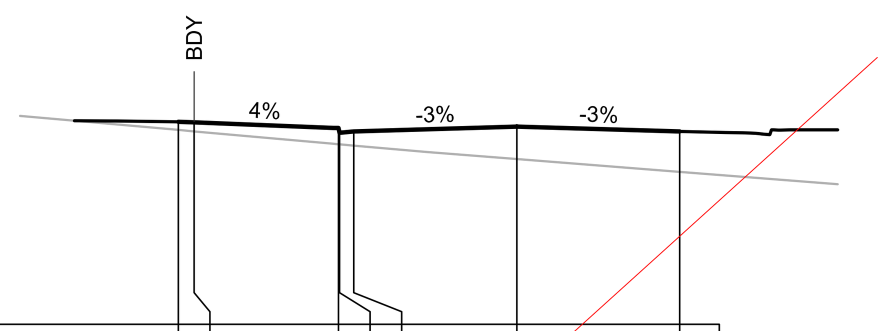
CH 855



DATUM R.L. 71

W.A.E.		
DESIGN LEVEL	77.02	76.865
EXISTING LEVEL	75.811	75.352
OFFSET	0	5.15

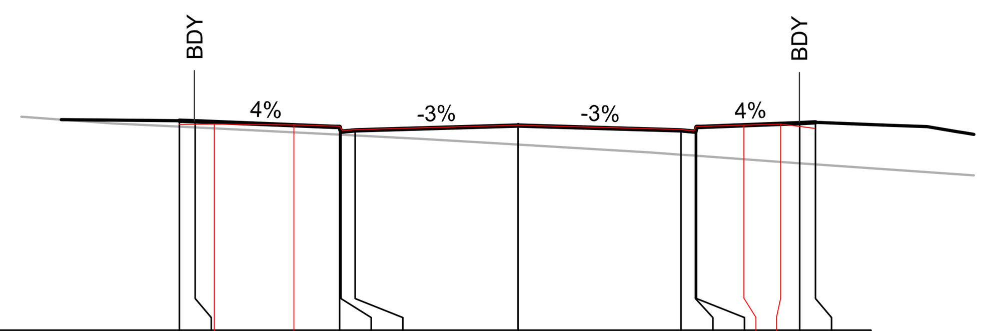
CH 795
SEE MOD 510



DATUM R.L. 71

W.A.E.							
DESIGN LEVEL	77.408	77.388	77.211	77.061	77.101	77.256	77.101
EXISTING LEVEL	77.148	77.103	76.697	76.693	76.653	76.225	75.823
OFFSET	-10.7	-10.2	-5.64	-5.6	-5.15	0	5.15

CH 818.616
SEE MOD 510

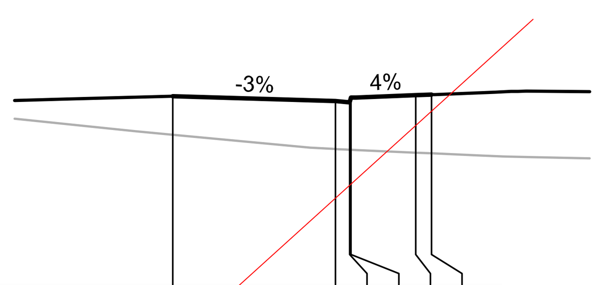


DATUM R.L. 71

W.A.E.	77.51	77.51	77.51	77.48	77.44	77.30	77.34	77.48	77.34	77.29	77.43	77.48	77.51	77.43	77.37
DESIGN LEVEL	77.621	77.601			77.425	77.275	77.315	77.47	77.315	77.275	77.425			77.549	77.569
EXISTING LEVEL	77.433	77.408			77.18	77.178	77.155	76.87	76.55	76.517	76.514			76.274	76.24
OFFSET	-10.7	-10.2	9.60	7.08	-5.64 5.63	-5.6 5.55	-5.15 5.14	0	5.15 5.17	5.6 5.56	5.64 5.63	7.14	8.30	8.9	9.4

CH 840

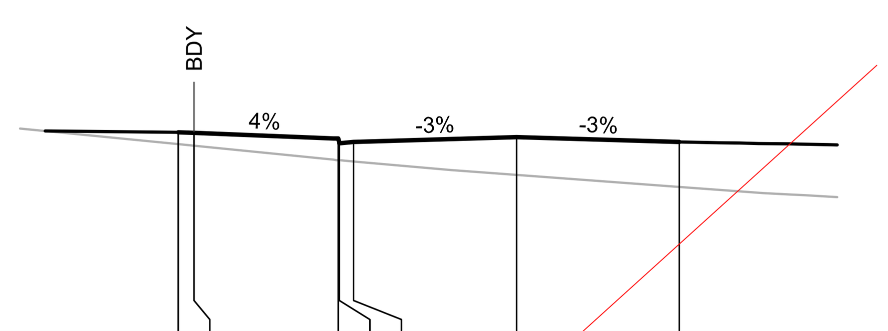
CAMDEN COUNCIL
Approved by the Council of Camden under the provisions of the Environment Planning and Assessment Act 1979
APPROVAL
22/03/2024
SUBDIVISION WORKS CERTIFICATE
DA/2023/215/1 SWC.16.2023.215.1



DATUM R.L. 71

W.A.E.						
DESIGN LEVEL	77.005	76.85	76.81	76.96	77.036	77.056
EXISTING LEVEL	75.788	75.338	75.315	75.313	75.222	75.2
OFFSET	0	5.15	5.6	5.64	7.69	8.19

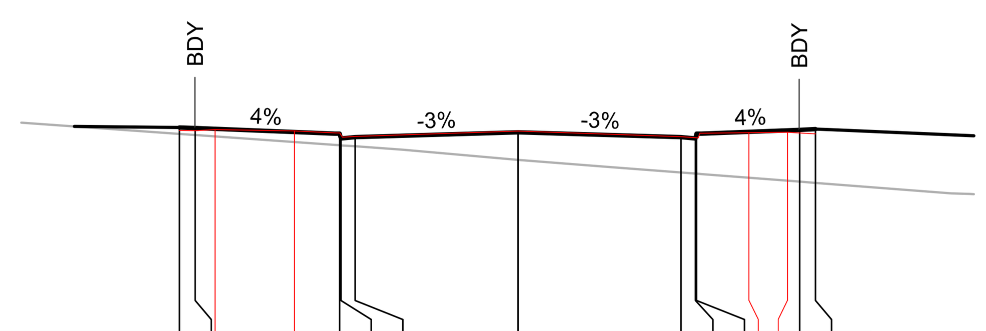
CH 793.541
SEE MOD 510



DATUM R.L. 71

W.A.E.							
DESIGN LEVEL	77.321	77.301	77.125	76.975	77.015	77.17	77.015
EXISTING LEVEL	76.945	76.895	76.439	76.436	76.397	75.976	75.592
OFFSET	-10.7	-10.2	-5.64	-5.6	-5.15	0	5.15

CH 810
SEE MOD 510



DATUM R.L. 71

W.A.E.	77.39	77.39	77.39	77.36	77.29	77.15	77.18	77.35	77.17	77.14	77.28	77.30	77.31	77.28	77.26
DESIGN LEVEL	77.471	77.451			77.275	77.125	77.165	77.32	77.165	77.125	77.275			77.399	77.419
EXISTING LEVEL	77.269	77.234			76.911	76.908	76.876	76.448	76.05	76.015	76.012			75.761	75.722
OFFSET	-10.7	-10.2	9.57	7.07	-5.64 5.63	-5.6 5.55	-5.15 5.13	0	5.15 5.15	5.6 5.70	5.64 5.75	7.30	8.51	8.9	9.4

CH 825

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

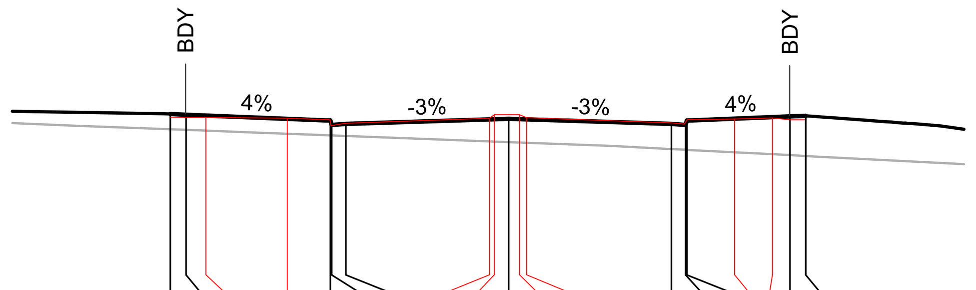
Title:
ROAD CROSS SECTIONS
SHEET 02

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	311	F

CHARLES MCINTOSH PARKWAY

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

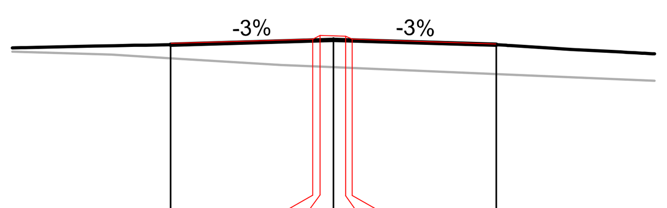
LEGEND	
EXISTING SURFACE	(grey line)
DESIGN SURFACE	(black line)



DATUM R.L. 72

W.A.E.	77.98	77.97	77.97	77.94	77.89	77.70	77.78	77.94	78.05	78.05	78.05	77.96	77.79	77.76	77.90	77.92	77.95	77.89	77.89
DESIGN LEVEL	78.079	78.059			77.883	77.733	77.773			77.927			77.773	77.733	77.883			78.007	78.027
EXISTING LEVEL	77.599	77.58			77.41	77.408	77.391			77.197			76.976	76.953	76.951			76.784	76.758
OFFSET	-10.7	-10.2	9.57	7.00	-5.64 5.65	-5.6 5.62	-5.15 5.18	0.60	0.45	0	0.35	0.57	5.15 5.16	5.6 5.56	5.64 5.65	7.15	8.34	8.9	9.4

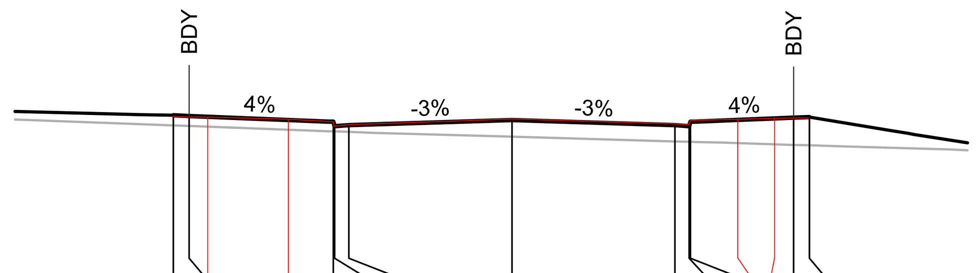
CH 885.676



DATUM R.L. 72

W.A.E.	78.04	78.17	78.28	78.27	78.26	78.17	78.01
DESIGN LEVEL	78.001			78.156			78.001
EXISTING LEVEL	77.57			77.285			77.067
OFFSET	-5.15	0.65	0.42	0	0.39	0.60	5.15

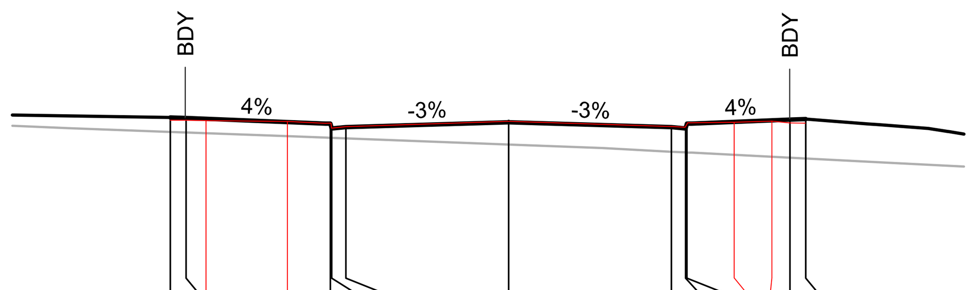
CH 904.144



DATUM R.L. 73

W.A.E.	78.47	78.45	78.45	78.39	78.30	78.16	78.21	78.39	78.23	78.21	78.35	78.38	78.41	78.42	78.42
DESIGN LEVEL	78.514	78.494			78.317	78.167	78.207	78.362	78.207	78.167	78.317			78.442	78.462
EXISTING LEVEL	78.197	78.179			78.007	78.005	77.988	77.836	77.691	77.679	77.677			77.581	77.566
OFFSET	-10.7	-10.2	9.61	7.06	-5.64 5.63	-5.6 5.62	-5.15 5.17	0	5.15 5.16	5.6 5.58	5.64 5.65	7.14	8.31	8.9	9.4

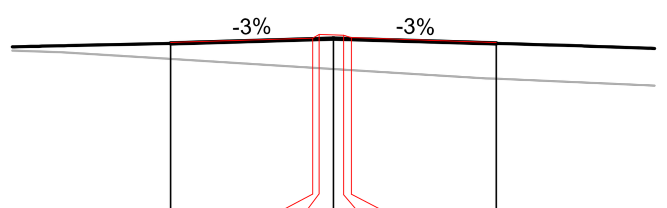
CH 917.393



DATUM R.L. 72

W.A.E.	77.98	77.97	77.96	77.94	77.88	77.73	77.77	77.94	77.78	77.76	77.89	77.91	77.95	77.89	77.88
DESIGN LEVEL	78.072	78.052			77.875	77.725	77.765	77.92	77.765	77.725	77.875			78	78.02
EXISTING LEVEL	77.616	77.597			77.428	77.426	77.409	77.215	76.991	76.968	76.966			76.798	76.773
OFFSET	-10.7	-10.2	9.57	6.99	-5.64 5.62	-5.6 5.60	-5.15 5.14	0	5.15 5.16	5.6 5.59	5.64 5.67	7.14	8.33	8.9	9.4

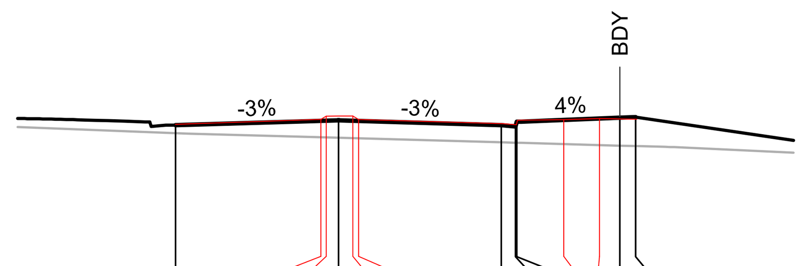
CH 885



DATUM R.L. 72

W.A.E.	77.97	78.10	78.22	78.20	78.19	78.12	77.96
DESIGN LEVEL	77.944			78.098			77.944
EXISTING LEVEL	77.451			77.134			76.823
OFFSET	-5.15	0.65	0.45	0	0.33	0.57	5.15

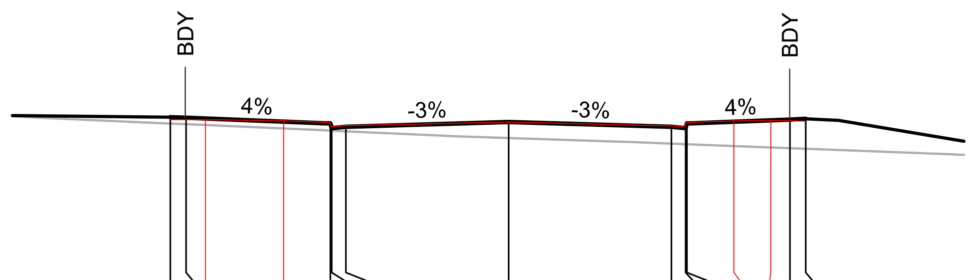
CH 900



DATUM R.L. 73

W.A.E.	78.18	78.34	78.44	78.44	78.45	78.34	78.21	78.17	78.31	78.34	78.37	78.35	78.34
DESIGN LEVEL	78.167			78.322			78.167	78.127	78.277			78.402	78.422
EXISTING LEVEL	77.916			77.766			77.622	77.609	77.608			77.516	77.502
OFFSET	-5.15	0.55	0.38	0	0.46	0.64	5.15 5.19	5.6 5.63	5.64 5.67	7.14	8.28	8.9	9.4

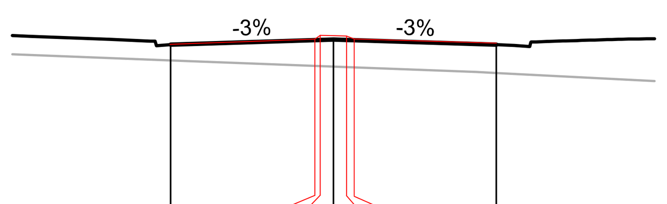
CH 915



DATUM R.L. 72

W.A.E.	77.84	77.84	77.84	77.80	77.74	77.60	77.64	77.76	77.63	77.61	77.75	77.80	77.81	77.80	77.79
DESIGN LEVEL	77.921	77.901			77.725	77.575	77.615	77.77	77.615	77.575	77.725			77.849	77.869
EXISTING LEVEL	77.723	77.701			77.498	77.497	77.476	77.26	77.086	77.068	77.067			76.942	76.923
OFFSET	-10.7	-10.2	9.59	7.16	-5.64 5.66	-5.6 5.61	-5.15 5.17	0	5.15 5.13	5.6 5.55	5.64 5.63	7.13	8.30	8.9	9.4

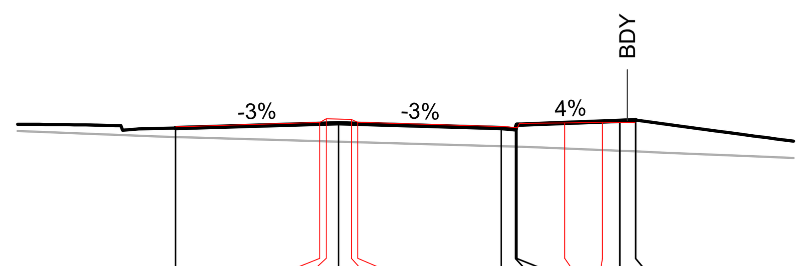
CH 870



DATUM R.L. 72

W.A.E.	77.81	77.97	78.09	78.08	78.07	77.97	77.84
DESIGN LEVEL	77.807			77.961			77.807
EXISTING LEVEL	77.307			77.112			76.908
OFFSET	-5.15 5.17	0.59	0.42	0	0.42	0.66	5.15

CH 888.834



DATUM R.L. 73

W.A.E.	78.16	78.31	78.42	78.41	78.40	78.31	78.17	78.14	78.27	78.29	78.32	78.30	78.30
DESIGN LEVEL	78.133			78.287			78.133	78.093	78.243			78.367	78.387
EXISTING LEVEL	77.85			77.704			77.559	77.547	77.546			77.416	77.395
OFFSET	-5.15	0.59	0.38	0	0.41	0.62	5.15 5.29	5.6 5.66	5.64 5.73	7.13	8.37	8.9	9.4

CH 912.85

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
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B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

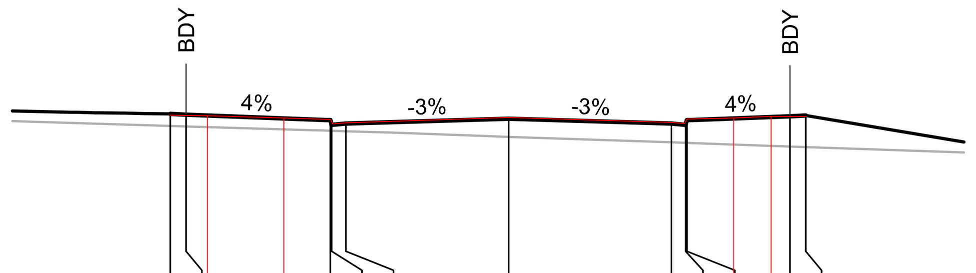
Title:
ROAD CROSS SECTIONS
SHEET 03

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	312	F

CHARLES MCINTOSH PARKWAY

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

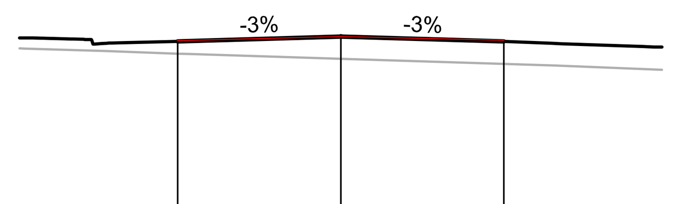
LEGEND	
EXISTING SURFACE	(grey line)
DESIGN SURFACE	(black line)



DATUM R.L. 74

W.A.E.	79.29	79.29	79.28	79.21	79.16	79.02	79.06	79.22	79.07	79.03	79.18	79.21 79.26 79.25	79.25
DESIGN LEVEL	79.341	79.321			79.145	78.995	79.035	79.189	79.035	78.995	79.145	79.269	79.289
EXISTING LEVEL	78.964	78.949			78.811	78.81	78.797	78.618	78.443	78.428	78.427	78.314	78.297
OFFSET	-10.7	-10.2	9.53	7.11	-5.64 5.63	-5.6 5.56	-5.15 5.13	0	5.15 5.14	5.6 5.56	5.64 5.65	7.12 8.31 8.9	9.4

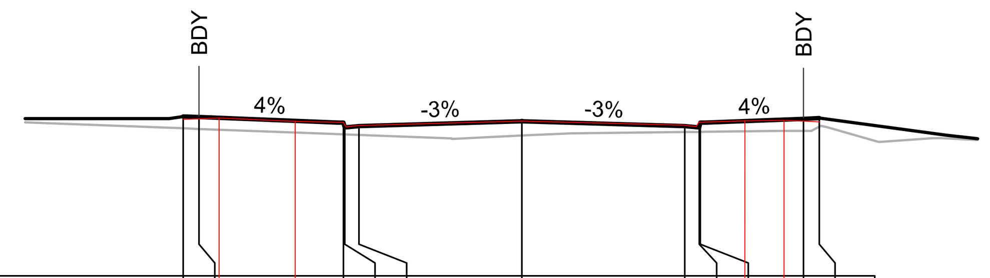
CH 960



DATUM R.L. 74

W.A.E.	79.35	79.48	79.36
DESIGN LEVEL	79.335	79.489	79.335
EXISTING LEVEL	78.95	78.788	78.627
OFFSET	-5.15	0	5.15

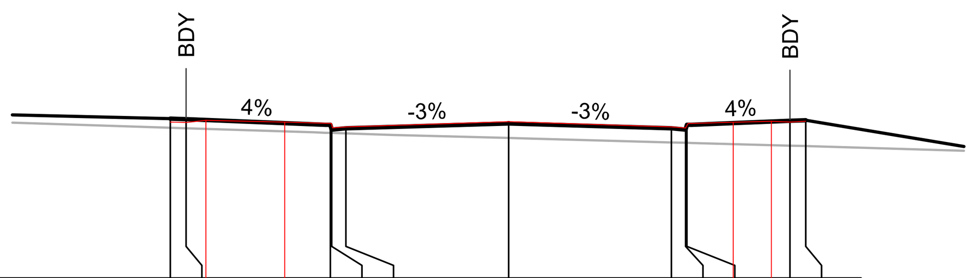
CH 975



DATUM R.L. 75

W.A.E.	79.93	79.95	79.98	79.87	79.84	79.70	79.74	79.88	79.75	79.71	79.85	79.89 79.91 79.88	79.85
DESIGN LEVEL	80.035	80.015			79.839	79.689	79.729	79.883	79.729	79.689	79.839	79.963	79.983
EXISTING LEVEL	79.66	79.641			79.469	79.467	79.451	79.431	79.542	79.547	79.547	79.574	79.715
OFFSET	-10.7	-10.2	9.57	7.16	-5.64 5.64	-5.6 5.55	-5.15 5.14	0	5.15 5.07	5.6 5.52	5.64 5.60	7.05 8.29 8.9	9.4

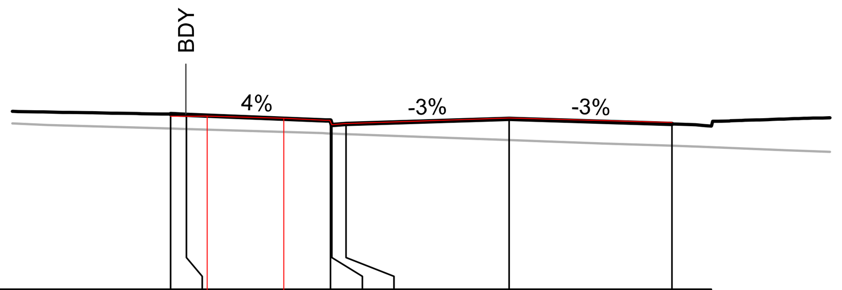
CH 994.678



DATUM R.L. 74

W.A.E.	78.92	78.91	78.98	78.92	78.88	78.74	78.77	78.94	78.77	78.73	78.88	78.92 78.95 78.92	78.95
DESIGN LEVEL	79.041	79.021			78.845	78.695	78.735	78.889	78.735	78.695	78.845	78.969	78.989
EXISTING LEVEL	78.751	78.735			78.587	78.586	78.572	78.425	78.286	78.274	78.273	78.184	78.171
OFFSET	-10.7	-10.2	9.57	7.08	-5.64 5.60	-5.6 5.57	-5.15 5.14	0	5.15 5.16	5.6 5.60	5.64 5.68	7.10 8.31 8.9	9.4

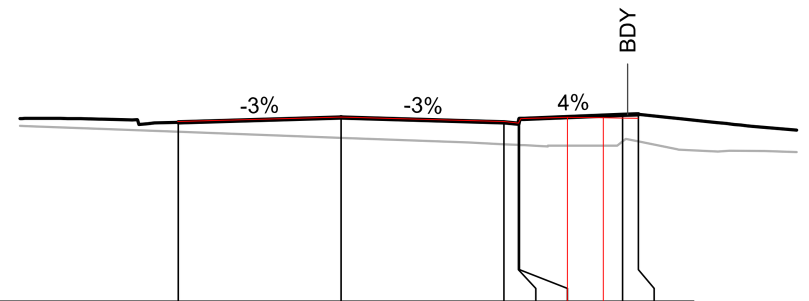
CH 945



DATUM R.L. 74

W.A.E.	79.45	79.45	79.45	79.39	79.32	79.18	79.21	79.39	79.25
DESIGN LEVEL	79.523	79.503			79.326	79.176	79.216	79.371	79.216
EXISTING LEVEL	79.066	79.051			78.912	78.911	78.894	78.702	78.524
OFFSET	-10.7	-10.2	9.54	7.12	-5.64 5.66	-5.6 5.60	-5.15 5.19	0	5.15

CH 969.075



DATUM R.L. 74

W.A.E.	79.67	79.81	79.67	79.62	79.76	79.80 79.79 79.78	79.77
DESIGN LEVEL	79.655	79.809	79.655	79.615	79.765	79.889	79.909
EXISTING LEVEL	79.354	79.164	78.961	78.939	78.938	79.048	79.05
OFFSET	-5.15	0	5.15 5.16	5.6 5.61	5.64 5.68	7.16 8.29 8.9	9.4

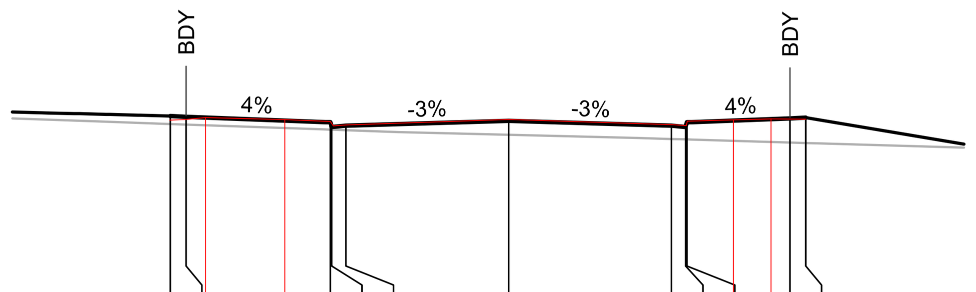
CH 990.976

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

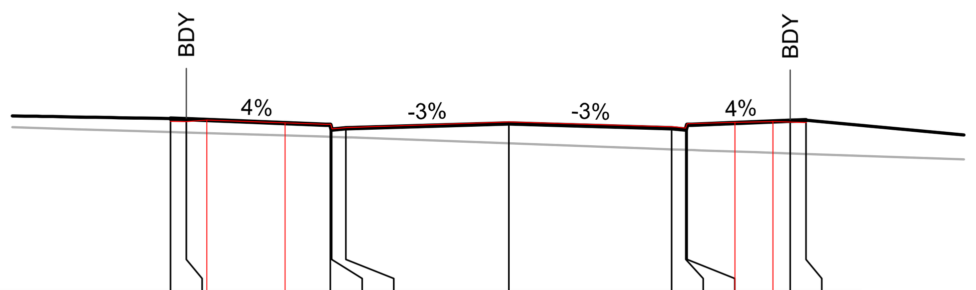
DA/2023/215/1 SWC.16.2023.215.1



DATUM R.L. 73

W.A.E.	78.60	78.63	78.69	78.62	78.57	78.42	78.45	78.63	78.46	78.43	78.57	78.61 78.64 78.64	78.64
DESIGN LEVEL	78.742	78.722			78.546	78.396	78.436	78.59	78.436	78.396	78.546	78.67	78.69
EXISTING LEVEL	78.494	78.476			78.315	78.313	78.297	78.153	78.02	78.007	78.006	77.907	77.892
OFFSET	-10.7	-10.2	9.59	7.08	-5.64 5.64	-5.6 5.54	-5.15 5.15	0	5.15 5.21	5.6 5.62	5.64 5.65	7.11 8.31 8.9	9.4

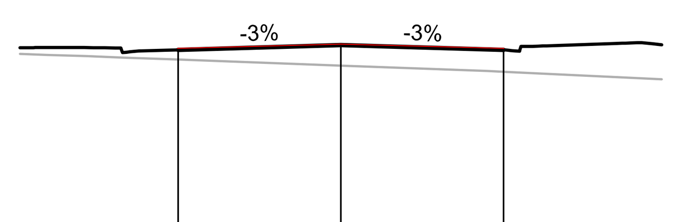
CH 930



DATUM R.L. 74

W.A.E.	79.35	79.34	79.39	79.31	79.26	79.12	79.16	79.33	79.18	79.14	79.28	79.32 79.34 79.33	79.31
DESIGN LEVEL	79.449	79.429			79.252	79.102	79.142	79.297	79.142	79.102	79.252	79.377	79.397
EXISTING LEVEL	79.024	79.009			78.872	78.871	78.857	78.667	78.478	78.462	78.461	78.349	78.332
OFFSET	-10.7	-10.2	9.55	7.07	-5.64 5.63	-5.6 5.59	-5.15 5.10	0	5.15 5.27	5.6 5.60	5.64 5.64	7.16 8.36 8.9	9.4

CH 965.372



DATUM R.L. 74

W.A.E.	79.67	79.81	79.67
DESIGN LEVEL	79.635	79.789	79.635
EXISTING LEVEL	79.329	79.139	78.943
OFFSET	-5.15	0	5.15 5.19

CH 990

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

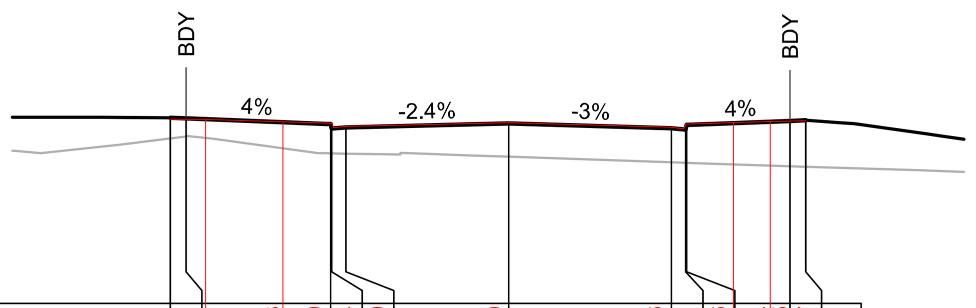
Title:
ROAD CROSS SECTIONS
SHEET 04

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	313	F

CHARLES MCINTOSH PARKWAY

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

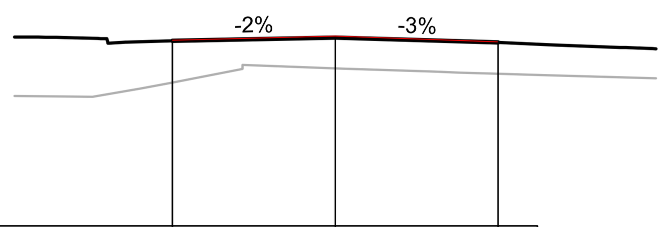
LEGEND	
EXISTING SURFACE	(grey line)
DESIGN SURFACE	(black line)



DATUM R.L. 75

W.A.E.	80.81	80.81	80.81	80.73	80.69	80.54	80.59	80.70	80.56	80.51	80.66	80.71 80.74	80.75	80.77
DESIGN LEVEL	80.869	80.849			80.672	80.522	80.562	80.686	80.531	80.491	80.641		80.766	80.786
EXISTING LEVEL	80.21	80.271			79.741	79.741	79.733	79.633	79.458	79.443	79.442		79.331	79.313
OFFSET	-10.7	-10.2	9.58	7.14	-5.63 5.59	-5.6 5.53	-5.15 5.10	0	5.15 5.08	5.6 5.54	5.63 5.61	7.11 8.27	8.9	9.4

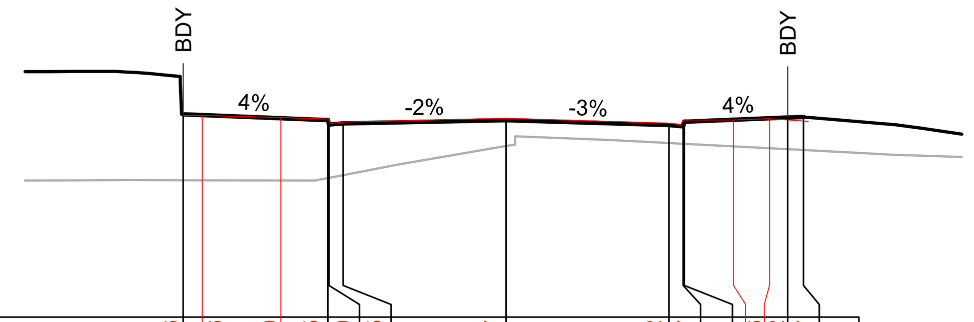
CH 1035



DATUM R.L. 75

W.A.E.	80.86	80.99	80.81
DESIGN LEVEL	80.848	80.951	80.797
EXISTING LEVEL	79.535	79.982	79.808
OFFSET	-5.15	0	5.15

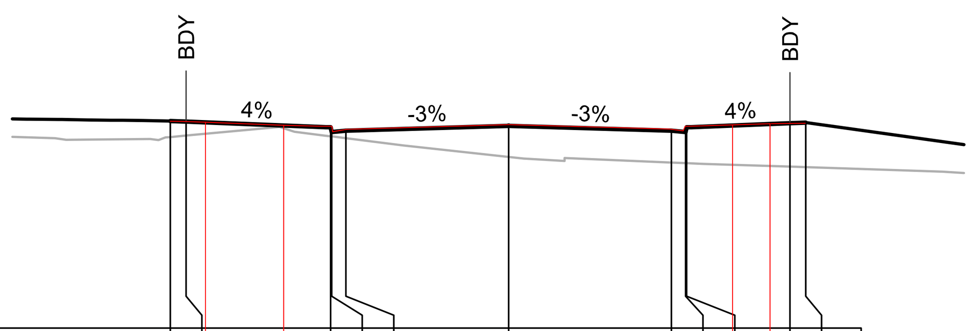
CH 1050



DATUM R.L. 75

W.A.E.	81.36	81.36	81.29	81.25	81.10	81.15	81.27	81.12	81.07	81.21	81.21 81.26	81.22	81.17
DESIGN LEVEL	81.403			81.226	81.076	81.116	81.219	81.065	81.025	81.175		81.299	81.319
EXISTING LEVEL	79.322			79.388	79.394	79.482	80.4	80.493	80.47	80.469		80.301	80.275
OFFSET	-10.2	9.60	7.11	-5.63 5.61	-5.6 5.55	-5.15 5.11	0	5.15 5.10	5.6 5.53	5.63 5.59	7.19 8.33	8.9	9.4

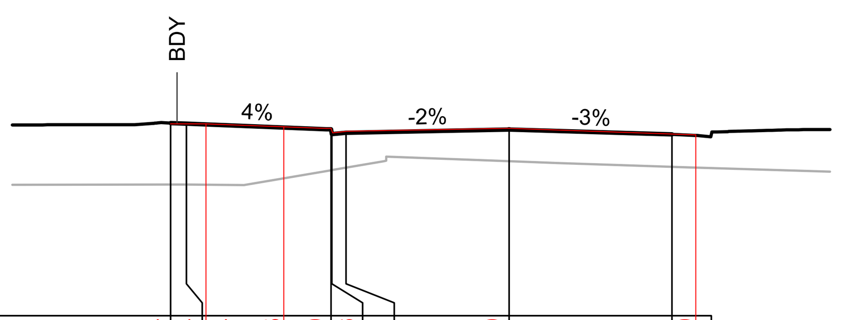
CH 1067.96



DATUM R.L. 74

W.A.E.	80.53	80.52	80.49	80.39	80.37	80.19	80.27	80.42	80.28	80.22	80.37	80.41 80.45	80.45	80.46
DESIGN LEVEL	80.542	80.522			80.345	80.195	80.235	80.389	80.235	80.195	80.345		80.47	80.49
EXISTING LEVEL	80.036	80.082			80.059	80.055	79.998	79.404	79.231	79.212	79.211		79.097	79.081
OFFSET	-10.7	-10.2	9.59	7.11	-5.63 5.59	-5.6 5.57	-5.15 5.12	0	5.15 5.08	5.6 5.52	5.63 5.58	7.08 8.27	8.9	9.4

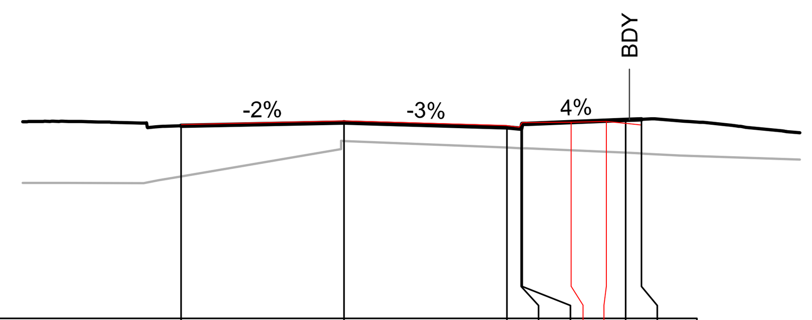
CH 1020



DATUM R.L. 75

W.A.E.	81.04	81.04	81.04	80.95	80.90	80.76	80.81	80.90		80.70
DESIGN LEVEL	81.077	81.057			80.88	80.73	80.77	80.873	80.719	
EXISTING LEVEL	79.139	79.139			79.587	79.592	79.67	79.871	79.692	
OFFSET	-10.7	-10.2	9.58	7.12	-5.63 5.62	-5.6 5.57	-5.15 5.12	0	5.15	5.91

CH 1045.38



DATUM R.L. 75

W.A.E.	81.10	81.22	81.07	81.02	81.17	81.18 81.20	81.14	81.09
DESIGN LEVEL	81.076	81.179	81.024	80.984	81.134		81.259	81.279
EXISTING LEVEL	79.474	80.594	80.385	80.367	80.366		80.224	80.199
OFFSET	-5.15	0	5.15 5.12	5.6 5.53	5.63 5.63	7.18 8.29	8.9	9.4

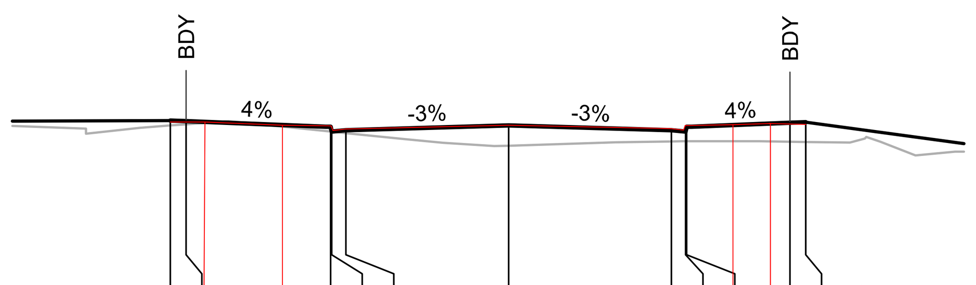
CH 1065

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

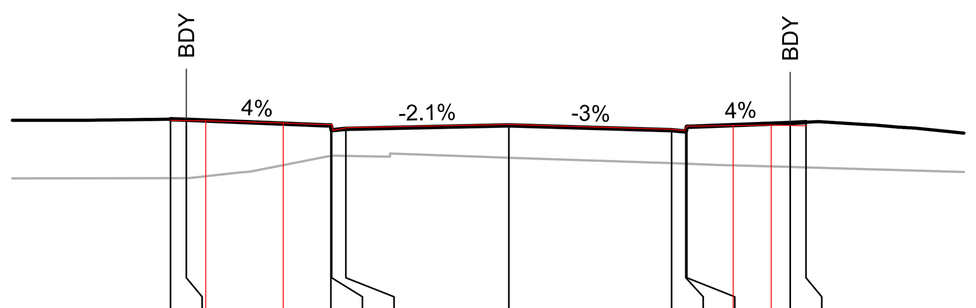
DA/2023/215/1 SWC.16.2023.215.1



DATUM R.L. 75

W.A.E.	80.18	80.18	80.18	80.08	80.06	79.92	79.96	80.08	79.97	79.93	80.07	80.10 80.14	80.12	80.11
DESIGN LEVEL	80.242	80.222			80.045	79.895	79.935	80.089	79.935	79.895	80.045		80.17	80.19
EXISTING LEVEL	80.083	80.122			79.892	79.889	79.843	79.445	79.583	79.59	79.59		79.572	79.564
OFFSET	-10.7	-10.2	9.61	7.15	-5.63 5.61	-5.6 5.56	-5.15 5.13	0	5.15 5.12	5.6 5.53	5.63 5.58	7.10 8.28	8.9	9.4

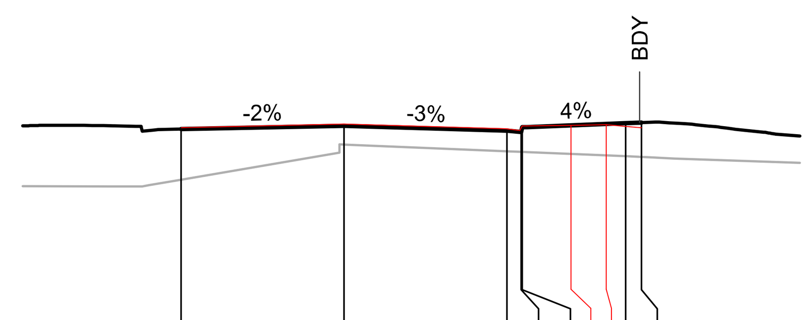
CH 1005



DATUM R.L. 75

W.A.E.	80.96	80.95	80.95	80.88	80.83	80.64	80.73	80.83	80.68	80.64	80.78	80.80 80.82 80.80		80.79
DESIGN LEVEL	81.012	80.992			80.816	80.666	80.706	80.815	80.661	80.621	80.771		80.896	80.916
EXISTING LEVEL	79.145	79.145			79.853	79.858	79.852	79.793	79.617	79.602	79.601		79.501	79.487
OFFSET	-10.7	-10.2	9.58	7.13	-5.63 5.58	-5.6 5.56	-5.15 5.11	0	5.15 5.13	5.6 5.57	5.63 5.62	7.10 8.30	8.9	9.4

CH 1042.054



DATUM R.L. 75

W.A.E.	81.10	81.21	81.07	81.01	81.16	81.17 81.19	81.14	81.09
DESIGN LEVEL	81.07	81.173	81.019	80.979	81.129		81.254	81.274
EXISTING LEVEL	79.469	80.579	80.37	80.351	80.35		80.215	80.189
OFFSET	-5.15	0	5.15 5.12	5.6 5.56	5.63 5.63	7.18 8.29	8.9	9.4

CH 1064.634

G

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 05

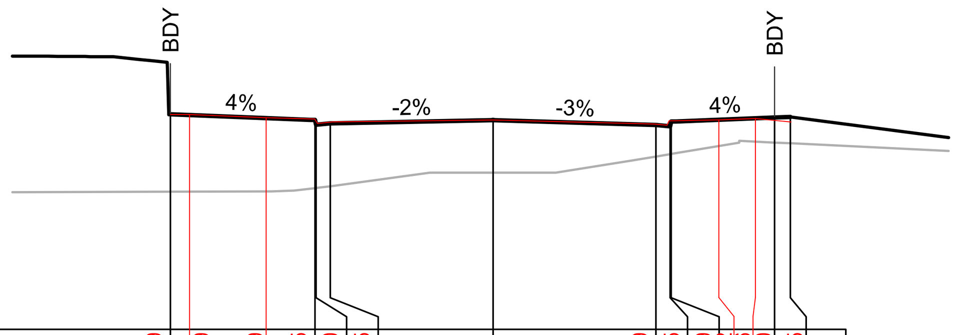
Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	314	G

CHARLES MCINTOSH PARKWAY

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	

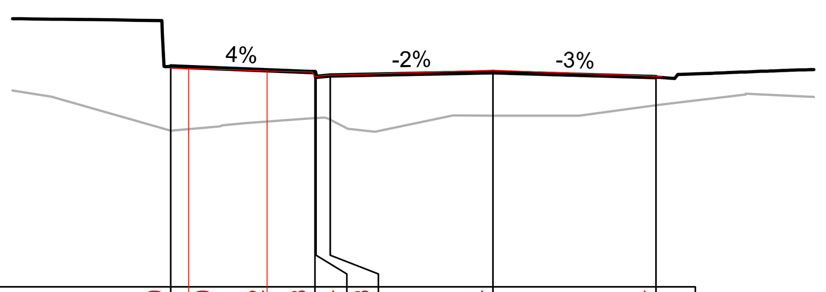
G



DATUM R.L. 75

W.A.E.	81.79	81.79	81.69	81.65	81.50	81.55	81.61	81.49	81.45	81.59	81.62	81.66	81.60	81.55
DESIGN LEVEL	81.8			81.624	81.474	81.514	81.617	81.462	81.422	81.572			81.697	81.717
EXISTING LEVEL	79.354			79.468	79.471	79.525	79.956	80.466	80.541	80.546			80.907	80.883
OFFSET	-10.2	9.60	7.18	-5.63 5.64	-5.6 5.55	-5.15 5.07	0	5.15 5.08	5.6 5.50	5.63 5.56	7.14	8.30	8.9	9.4

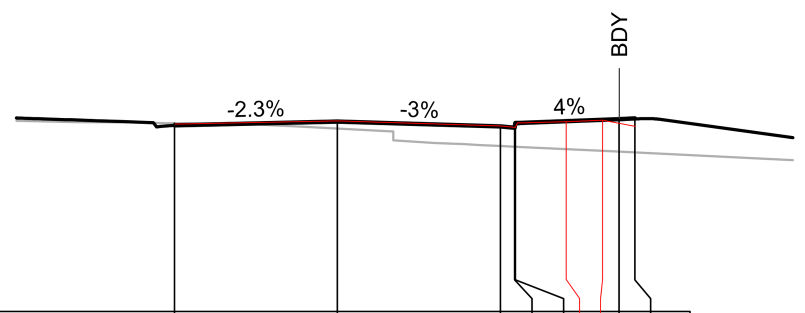
CH 1104.198



DATUM R.L. 75

W.A.E.	81.90	81.90	81.82	81.78	81.64	81.68	81.84	81.64
DESIGN LEVEL	81.966			81.789	81.639	81.679	81.782	81.628
EXISTING LEVEL	79.937			80.33	80.332	80.282	80.411	80.734
OFFSET	-10.2	9.63	7.15	-5.63 5.71	-5.6 5.64	-5.15 5.22	0	5.15 5.33

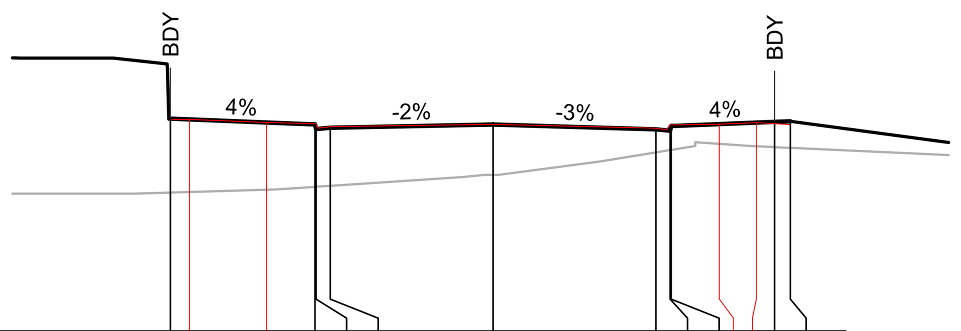
CH 1120.769



DATUM R.L. 76

W.A.E.	81.91	82.01	81.85	81.81	81.95	81.99	82.03	81.94	81.84
DESIGN LEVEL	81.879	81.999	81.845	81.805	81.955			82.08	82.1
EXISTING LEVEL	81.946	81.783	81.229	81.207	81.206			81.048	81.024
OFFSET	-5.15	0	5.15 5.17	5.6 5.63	5.63 5.69	7.24	8.39	8.9	9.4

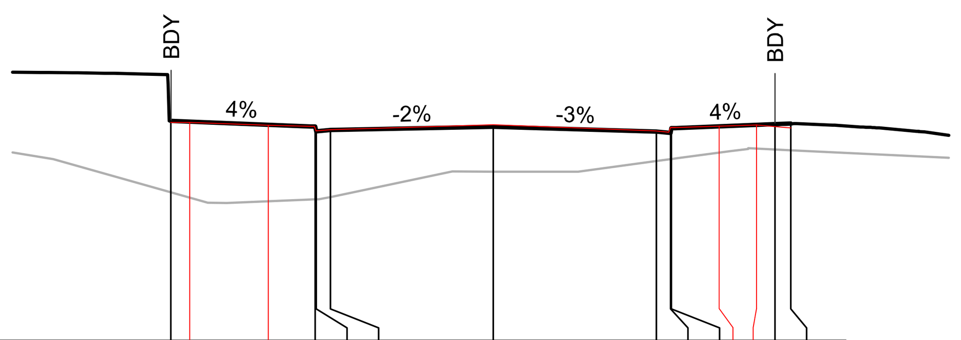
CH 1142.475



DATUM R.L. 75

W.A.E.	81.68	81.67	81.58	81.55	81.40	81.45	81.52	81.40	81.36	81.50	81.52	81.58	81.54	81.52
DESIGN LEVEL	81.708			81.532	81.382	81.422	81.525	81.37	81.33	81.48			81.605	81.625
EXISTING LEVEL	79.372			79.553	79.555	79.585	79.93	80.645	80.718	80.723			80.809	80.787
OFFSET	-10.2	9.59	7.16	-5.63 5.61	-5.6 5.53	-5.15 5.10	0	5.15 5.06	5.6 5.48	5.63 5.58	7.15	8.32	8.9	9.4

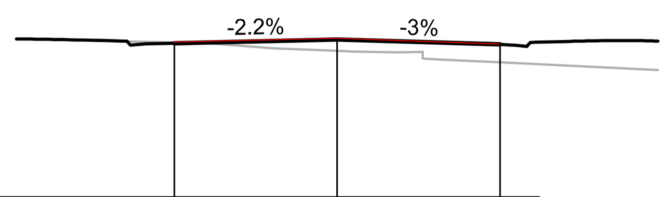
CH 1095



DATUM R.L. 75

W.A.E.	81.90	81.89	81.80	81.77	81.63	81.66	81.82	81.63	81.59	81.73	81.77	81.81	81.76	81.72
DESIGN LEVEL	81.951			81.774	81.624	81.664	81.767	81.613	81.573	81.723			81.848	81.868
EXISTING LEVEL	79.693			79.468	79.469	79.542	80.345	80.68	80.741	80.745			81.049	81.025
OFFSET	-10.2	9.60	7.11	-5.63 5.65	-5.6 5.61	-5.15 5.14	0	5.15 5.12	5.6 5.54	5.63 5.60	7.14	8.32	8.9	9.4

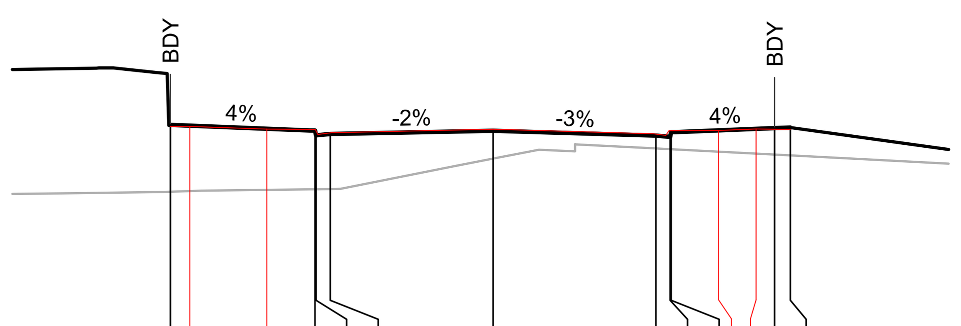
CH 1119.283



DATUM R.L. 77

W.A.E.	81.89	82.00	81.82
DESIGN LEVEL	81.86	81.975	81.82
EXISTING LEVEL	81.88	81.616	81.253
OFFSET	-5.15	0	5.15

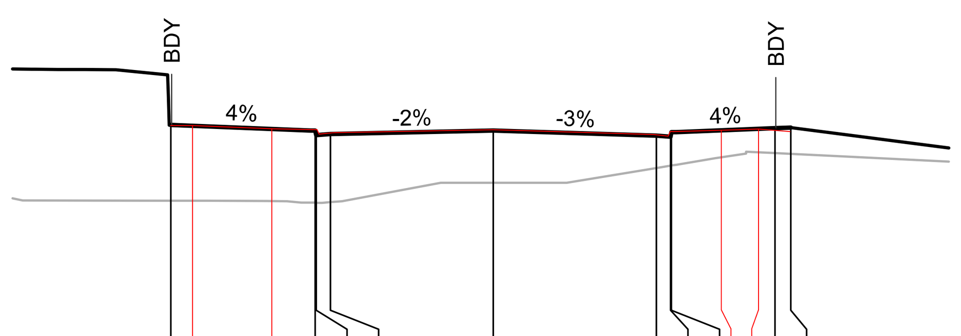
CH 1140



DATUM R.L. 75

W.A.E.	81.49	81.49	81.41	81.39	81.24	81.29	81.40	81.26	81.21	81.36	81.38	81.41	81.40	81.39
DESIGN LEVEL	81.552			81.376	81.226	81.266	81.369	81.214	81.174	81.324			81.449	81.469
EXISTING LEVEL	79.436			79.515	79.516	79.521	80.485	80.805	80.782	80.78			80.61	80.584
OFFSET	-10.2	9.59	7.15	-5.63 5.62	-5.6 5.54	-5.15 5.11	0	5.15 5.08	5.6 5.46	5.63 5.56	7.13	8.32	8.9	9.4

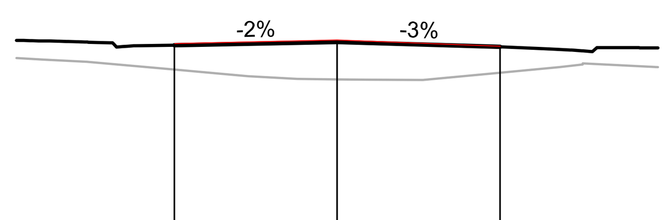
CH 1080



DATUM R.L. 75

W.A.E.	81.82	81.82	81.73	81.70	81.56	81.60	81.69	81.54	81.49	81.64	81.68	81.72	81.67	81.63
DESIGN LEVEL	81.858			81.682	81.532	81.572	81.675	81.52	81.48	81.63			81.755	81.775
EXISTING LEVEL	79.464			79.398	79.397	79.415	80.031	80.495	80.569	80.574			80.967	80.942
OFFSET	-10.2	9.51	7.00	-5.63 5.57	-5.6 5.51	-5.15 5.05	0	5.15 5.09	5.6 5.53	5.63 5.60	7.21	8.39	8.9	9.4

CH 1110



DATUM R.L. 76

W.A.E.	81.76	81.88	81.68
DESIGN LEVEL	81.722	81.825	81.67
EXISTING LEVEL	80.949	80.64	80.848
OFFSET	-5.15	0	5.15

CH 1125

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 06

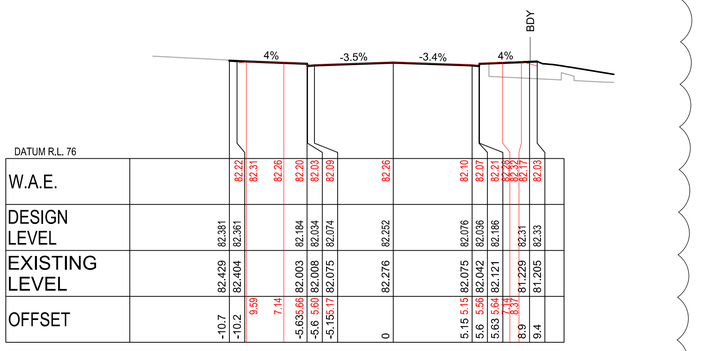
Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	315	G

CHARLES MCINTOSH PARKWAY

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

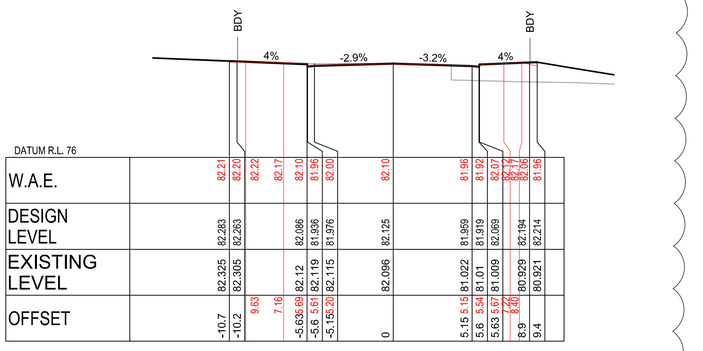
LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	

G



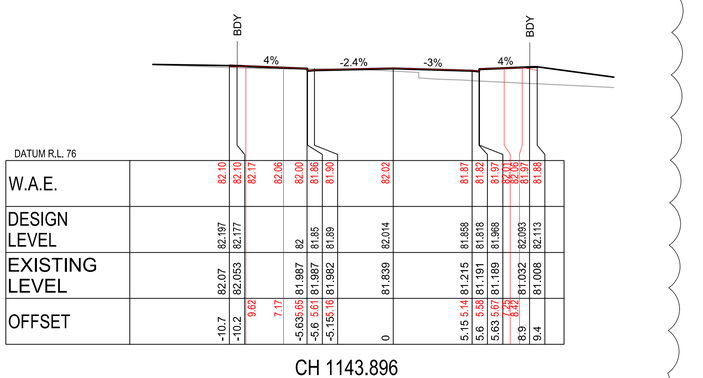
DATUM R.L. 76																					
W.A.E.			82.22	82.31		82.26	82.20	82.03	82.09	82.26		82.10	82.07	82.21	82.08	82.17	82.31	82.03			
DESIGN LEVEL	82.361	82.361				82.184	82.034	82.074		82.252		82.076	82.036	82.186			82.31	82.33			
EXISTING LEVEL	82.429	82.404				82.003	82.008	82.075		82.276		82.075	82.042	82.121			81.229	81.205			
OFFSET	-10.7	-10.2	9.59		7.14	-5.63	-5.6	-5.15	5.17	0		5.15	5.6	5.63	5.64	7.14	8.9	9.4			

CH 1167.75



DATUM R.L. 76																					
W.A.E.		82.21	82.20		82.22		82.17	82.10	81.96	82.00	82.10		81.96	81.92	82.07	82.16	82.05	81.96			
DESIGN LEVEL	82.283	82.263				82.086	81.936	81.976		82.125		81.959	81.919	82.069			82.194	82.214			
EXISTING LEVEL	82.325	82.305				82.12	82.119	82.115		82.096		81.022	81.01	81.009			80.929	80.921			
OFFSET	-10.7	-10.2	9.63		7.16	-5.63	-5.6	-5.15	5.20	0		5.15	5.6	5.63	5.67	7.22	8.9	9.4			

CH 1155



DATUM R.L. 76																					
W.A.E.		82.10	82.10		82.17		82.06	82.00	81.86	81.90	82.02		81.87	81.82	81.97	82.01	81.95	81.88			
DESIGN LEVEL	82.197	82.177				82	81.85	81.89		82.014		81.858	81.818	81.968			82.093	82.113			
EXISTING LEVEL	82.07	82.053				81.987	81.987	81.982		81.839		81.215	81.191	81.189			81.032	81.008			
OFFSET	-10.7	-10.2	9.62		7.17	-5.63	-5.6	-5.15	5.16	0		5.15	5.6	5.63	5.67	7.22	8.9	9.4			

CH 1143.896

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
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A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 07

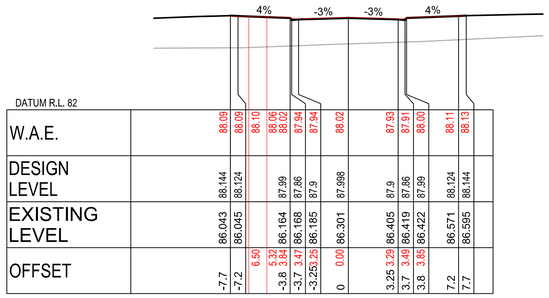
Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	316	G

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

ROAD 24

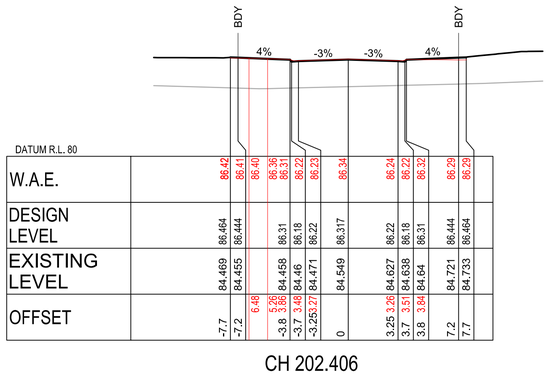
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	



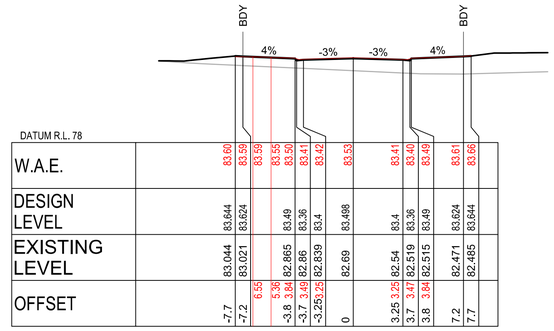
DATUM R.L. 82																							
W.A.E.								88.09	88.09		88.10		88.06	88.02	87.94	87.94	88.02			87.93	87.91	88.00		88.11	88.13	
DESIGN LEVEL								88.144	88.124					87.99	87.86	87.9	87.998			87.9	87.86	87.99		88.124	88.144	
EXISTING LEVEL								86.043	86.045					86.164	86.168	86.185	86.301			86.405	86.419	86.422		86.571	86.595	
OFFSET								-7.7	-7.2		6.50		5.32	3.84	-3.7	-3.25	0.00			3.25	3.49	3.85		7.2	7.7	

CH 180



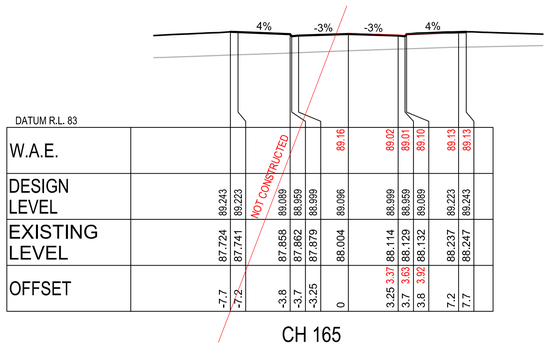
DATUM R.L. 80																							
W.A.E.								86.42	86.41		86.40		86.36	86.31	86.22	86.23	86.34			86.24	86.22	86.32		86.29	86.29	
DESIGN LEVEL								86.464	86.444					86.31	86.18	86.22	86.317			86.22	86.18	86.31		86.444	86.464	
EXISTING LEVEL								84.469	84.455					84.458	84.46	84.471	84.549			84.627	84.638	84.64		84.721	84.733	
OFFSET								-7.7	-7.2		6.48		5.06	3.66	-3.7	-3.27	0			3.25	3.7	3.84		7.2	7.7	

CH 202.406



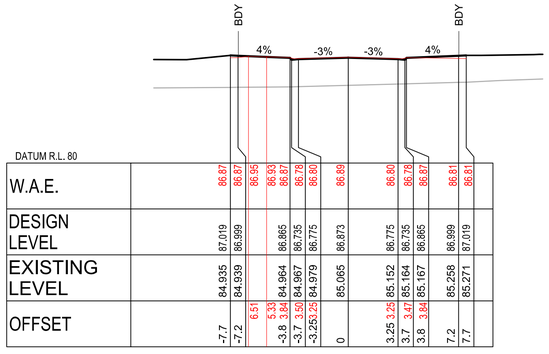
DATUM R.L. 78																							
W.A.E.								83.60	83.59		83.59		83.55	83.50	83.41	83.42	83.53			83.41	83.40	83.49		83.61	83.66	
DESIGN LEVEL								83.644	83.624					83.49	83.36	83.4	83.498			83.4	83.36	83.49		83.624	83.644	
EXISTING LEVEL								83.044	83.021					82.865	82.86	82.839	82.69			82.54	82.519	82.515		82.471	82.485	
OFFSET								-7.7	-7.2		6.55		5.38	3.84	-3.8	-3.7	-3.25	0		3.25	3.7	3.8		7.2	7.7	

CH 240



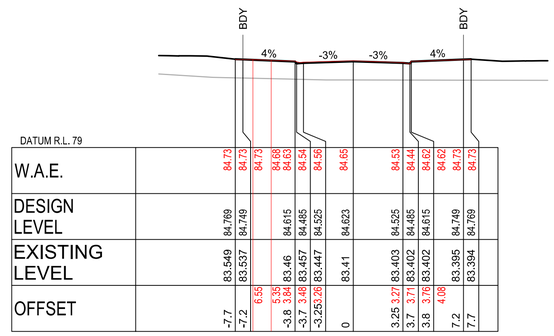
DATUM R.L. 83																							
W.A.E.																89.16				89.02	89.01	89.10		89.13	89.13	
DESIGN LEVEL								89.243	89.223					89.089	88.959	88.999	89.096			88.999	88.959	89.089		89.223	89.243	
EXISTING LEVEL								87.724	87.741					87.858	87.862	87.879	88.004			88.114	88.129	88.132		88.237	88.247	
OFFSET								-7.7	-7.2					-3.8	-3.7	-3.25	0			3.25	3.7	3.8		7.2	7.7	

CH 165



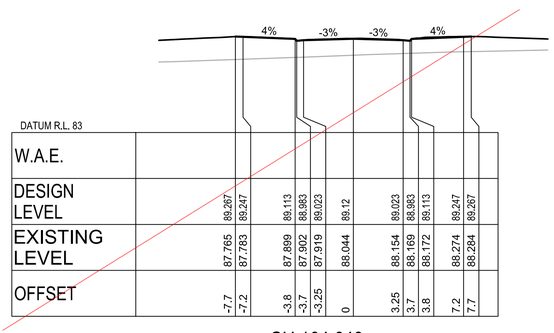
DATUM R.L. 80																							
W.A.E.								86.87	86.87		86.95		86.93	86.87	86.78	86.80	86.89			86.80	86.78	86.87		86.81	86.81	
DESIGN LEVEL								87.019	86.999					86.865	86.735	86.775	86.873			86.775	86.735	86.865		86.999	87.019	
EXISTING LEVEL								84.935	84.939					84.964	84.967	84.979	85.065			85.152	85.164	85.167		85.258	85.271	
OFFSET								-7.7	-7.2		6.51		5.33	3.84	-3.8	-3.7	-3.25	0		3.25	3.7	3.84		7.2	7.7	

CH 195



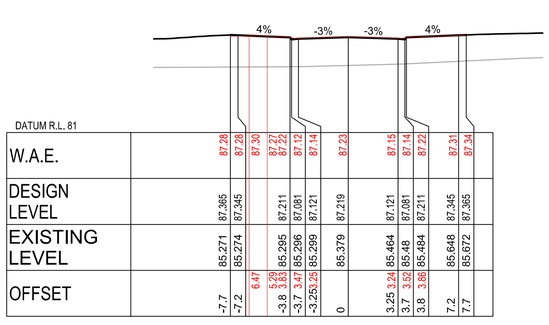
DATUM R.L. 79																							
W.A.E.								84.73	84.73		84.73		84.68	84.63	84.54	84.56	84.65			84.53	84.44	84.62		84.73	84.73	
DESIGN LEVEL								84.769	84.749					84.615	84.465	84.525	84.623			84.525	84.485	84.615		84.749	84.769	
EXISTING LEVEL								83.549	83.537					83.46	83.457	83.447	83.41			83.403	83.402	83.402		83.395	83.394	
OFFSET								-7.7	-7.2		6.55		5.38	3.84	-3.8	-3.7	-3.25	0		3.25	3.7	3.8		7.2	7.7	

CH 225



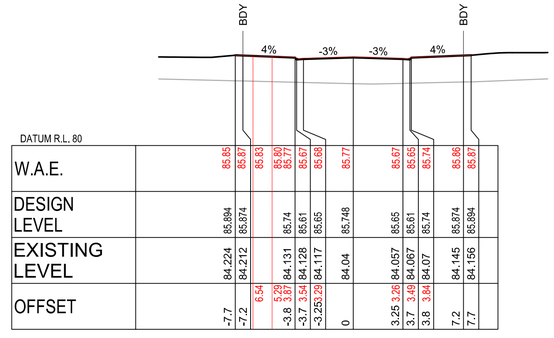
DATUM R.L. 83																							
W.A.E.																							
DESIGN LEVEL								89.267	89.247					89.113	88.983	89.023	89.12			89.023	88.983	89.113		89.247	89.267	
EXISTING LEVEL								87.765	87.783					87.899	87.902	87.919	88.044			88.154	88.169	88.172		88.274	88.284	
OFFSET								-7.7	-7.2		6.47		5.09	3.63	-3.8	-3.7	-3.25	0		3.25	3.7	3.8		7.2	7.7	

CH 164.648
NOT CONSTRUCTED



DATUM R.L. 81																							
W.A.E.								87.28	87.28		87.30		87.27	87.22	87.12	87.14	87.23			87.15	87.14	87.22		87.31	87.34	
DESIGN LEVEL								87.365	87.345					87.211	87.081	87.121	87.219			87.121	87.081	87.211		87.345	87.365	
EXISTING LEVEL								85.271	85.274					85.295	85.296	85.299	85.379			85.464	85.48	85.484		85.648	85.672	
OFFSET								-7.7	-7.2		6.47		5.09	3.63	-3.8	-3.7	-3.25	0		3.25	3.52	3.86		7.2	7.7	

CH 190.386



DATUM R.L. 80																							
W.A.E.								85.85	85.87		85.83		85.80	85.77	85.67	85.68	85.77			85.67	85.65	85.74		85.86	85.87	
DESIGN LEVEL								85.894	85.874					85.74	85.61	85.65	85.748			85.65	85.61	85.74		85.874	85.894	
EXISTING LEVEL								84.224	84.212					84.131	84.128	84.117	84.04			84.057	84.067	84.07		84.145	84.156	
OFFSET								-7.7	-7.2		6.54		5.29	3.77	-3.8	-3.7	-3.25	0		3.25	3.49	3.84		7.2	7.7	

CH 210

G

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 08

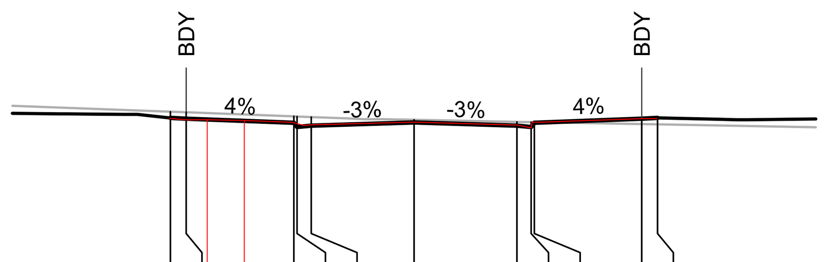
Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	317	G

ROAD 24

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	

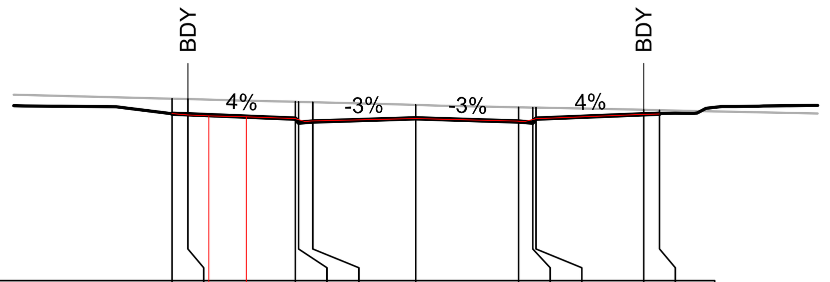
G



DATUM R.L. 77

W.A.E.	81.62	81.58	81.58	81.56	81.50	81.41	81.43	81.51	81.42	81.33	81.51	81.51	81.62	81.62
DESIGN LEVEL	81.65	81.63			81.496	81.366	81.406	81.503	81.406	81.366	81.496		81.63	81.65
EXISTING LEVEL	81.849	81.83			81.702	81.698	81.68	81.589	81.526	81.518	81.516		81.455	81.447
OFFSET	-7.7	-7.2	6.54	5.36	-3.8 3.86	-3.7 3.49	-3.25 3.27	0	3.25 3.28	3.7 3.71	3.8 3.74	4.06	7.2	7.7

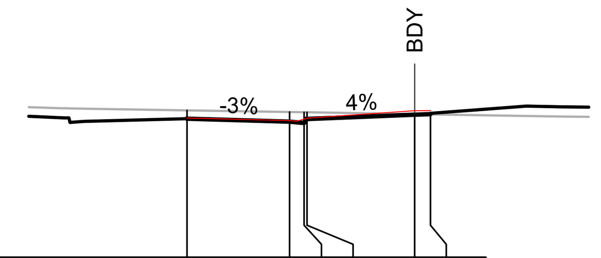
CH 268.971



DATUM R.L. 75

W.A.E.	80.26	80.22	80.19	80.16	80.11	80.01	80.03	80.11	80.03	80.01	80.10	80.24	80.25
DESIGN LEVEL	80.263	80.243			80.109	79.979	80.019	80.117	80.019	79.979	80.109	80.243	80.263
EXISTING LEVEL	80.737	80.725			80.64	80.638	80.627	80.543	80.468	80.459	80.457	80.387	80.377
OFFSET	-7.7	-7.2	6.54	5.35	-3.8 3.82	-3.7 3.49	-3.25 3.28	0	3.25 3.21	3.7 3.43	3.8 3.81	7.2	7.7

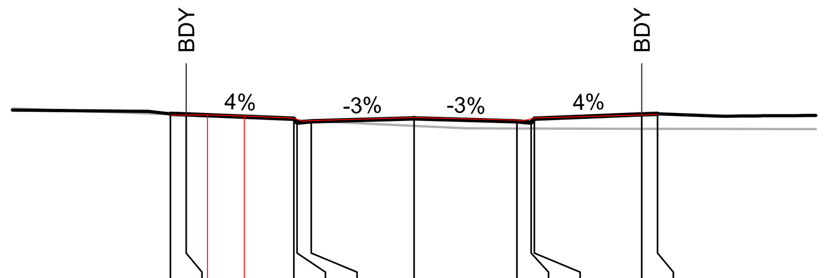
CH 300



DATUM R.L. 75

W.A.E.	79.38	79.30	79.28	79.38	79.61	79.61
DESIGN LEVEL	79.366	79.268	79.228	79.358	79.492	79.512
EXISTING LEVEL	79.629	79.576	79.568	79.566	79.511	79.502
OFFSET	0	3.25 3.24	3.7 3.49	3.8 3.82	7.2	7.7

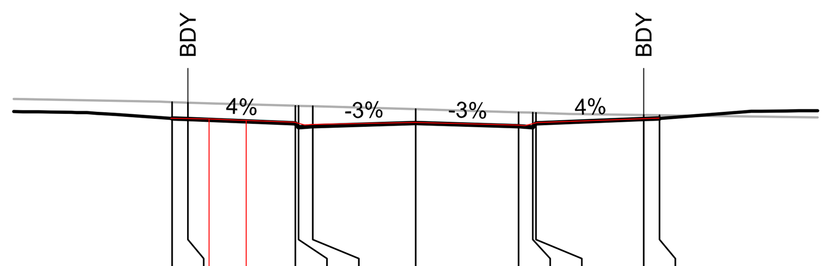
CH 324.077



DATUM R.L. 77

W.A.E.	82.35	82.35	82.36	82.32	82.26	82.16	82.18	82.27	82.19	82.17	82.26	82.36	82.37
DESIGN LEVEL	82.404	82.384			82.25	82.12	82.16	82.257	82.16	82.12	82.25	82.384	82.404
EXISTING LEVEL	82.383	82.364			82.201	82.197	82.175	82.019	81.937	81.936	81.936	81.93	81.929
OFFSET	-7.7	-7.2	6.53	5.36	-3.8 3.84	-3.7 3.51	-3.25 3.27	0	3.25 3.23	3.7 3.45	3.8 3.82	7.2	7.7

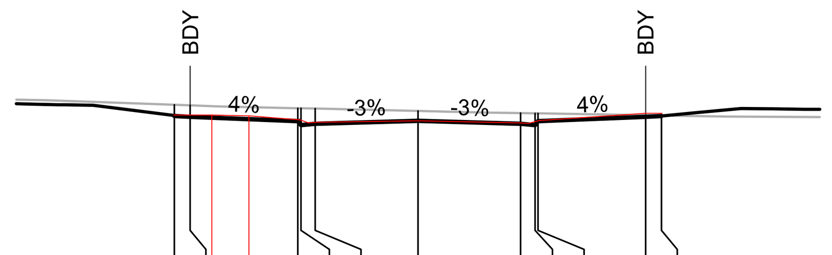
CH 256.95



DATUM R.L. 76

W.A.E.	80.83	80.81	80.81	80.76	80.70	80.62	80.63	80.70	80.61	80.59	80.69	80.82	80.83
DESIGN LEVEL	80.833	80.813			80.679	80.549	80.589	80.687	80.589	80.549	80.679	80.813	80.833
EXISTING LEVEL	81.349	81.333			81.234	81.231	81.218	81.125	81.029	81.015	81.012	80.943	80.936
OFFSET	-7.7	-7.2	6.53	5.35	-3.8 3.83	-3.7 3.50	-3.25 3.26	0	3.25 3.28	3.7 3.45	3.8 3.84	7.2	7.7

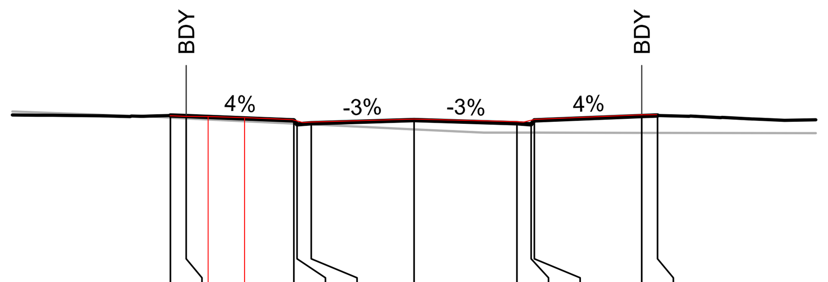
CH 285



DATUM R.L. 75

W.A.E.	79.63	79.63	79.63	79.61	79.48	79.39	79.41	79.45	79.39	79.37	79.46	79.69	79.69
DESIGN LEVEL	79.61	79.59			79.456	79.326	79.366	79.464	79.366	79.326	79.456	79.59	79.61
EXISTING LEVEL	79.969	79.951			79.861	79.858	79.848	79.773	79.706	79.699	79.697	79.642	79.633
OFFSET	-7.7	-7.2	6.51	5.34	-3.8 3.72	-3.7 3.47	-3.25 3.22	0	3.25 3.23	3.7 3.50	3.8 3.84	7.2	7.7

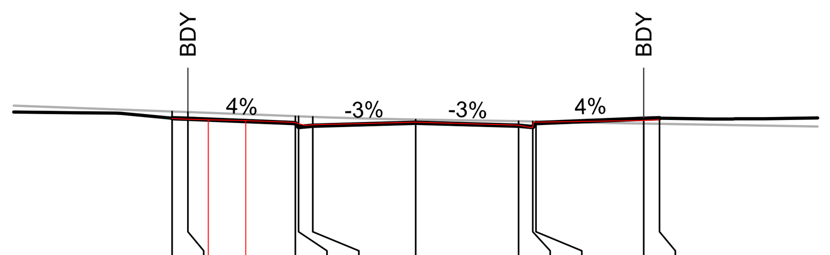
CH 319.856



DATUM R.L. 77

W.A.E.	82.52	82.50	82.49	82.46	82.39	82.30	82.32	82.41	82.33	82.31	82.40	82.55	82.55
DESIGN LEVEL	82.538	82.518			82.384	82.254	82.294	82.391	82.294	82.254	82.384	82.518	82.538
EXISTING LEVEL	82.469	82.445			82.282	82.277	82.255	82.1	81.992	81.991	81.991	81.985	81.984
OFFSET	-7.7	-7.2	6.51	5.35	-3.8 3.84	-3.7 3.51	-3.25 3.26	0	3.25 3.25	3.7 3.45	3.8 3.82	7.2	7.7

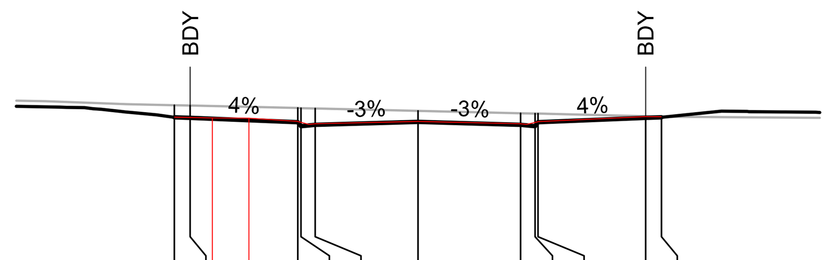
CH 255



DATUM R.L. 77

W.A.E.	81.57	81.54	81.53	81.50	81.45	81.35	81.37	81.45	81.36	81.27	81.46	81.45	81.51	81.53
DESIGN LEVEL	81.591	81.571			81.437	81.307	81.347	81.444	81.347	81.307	81.437		81.571	81.591
EXISTING LEVEL	81.798	81.779			81.651	81.647	81.63	81.549	81.492	81.484	81.482		81.422	81.413
OFFSET	-7.7	-7.2	6.55	5.37	-3.8 3.84	-3.7 3.49	-3.25 3.27	0	3.25 3.25	3.7 3.69	3.8 3.73	4.03	7.2	7.7

CH 270



DATUM R.L. 75

W.A.E.	79.76	79.94	79.74	79.72	79.63	79.53	79.55	79.62	79.55	79.53	79.62	79.77	79.77
DESIGN LEVEL	79.768	79.748			79.614	79.484	79.524	79.622	79.524	79.484	79.614	79.748	79.768
EXISTING LEVEL	80.148	80.136			80.058	80.056	80.045	79.97	79.896	79.885	79.883	79.802	79.792
OFFSET	-7.7	-7.2	6.49	5.34	-3.8 3.82	-3.7 3.44	-3.25 3.23	0	3.25 3.22	3.7 3.45	3.8 3.82	7.2	7.7

CH 315

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

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

WWW.JAS-ANZ.ORG/REGISTER

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 09

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	318	G

ROAD 28

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

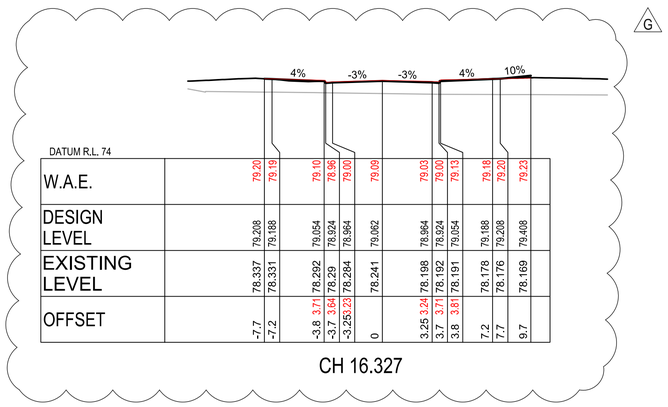
LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1



ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 10

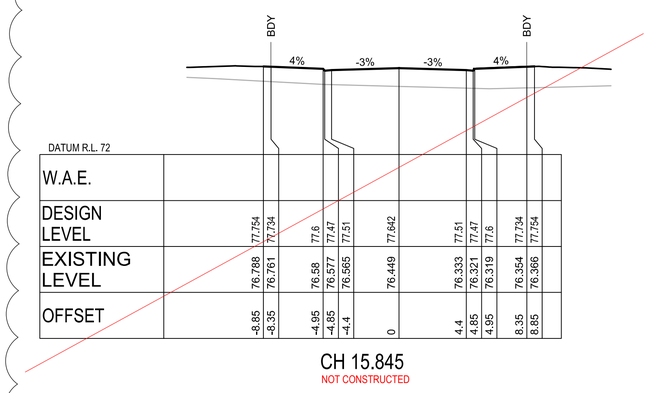
Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	319	G

ROAD 29

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	

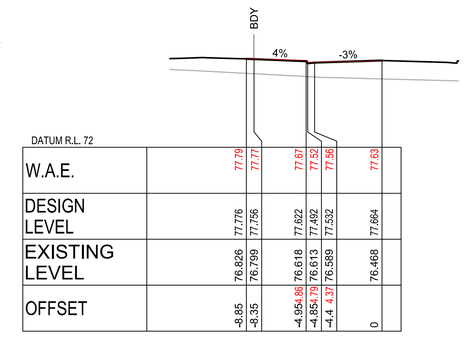
G



DATUM R.L. 72

W.A.E.											
DESIGN LEVEL		77.754	77.734	77.6	77.47	77.51	77.642	77.51	77.47	77.6	77.734	77.754
EXISTING LEVEL		76.788	76.761	76.58	76.577	76.565	76.449	76.333	76.321	76.319	76.354	76.366
OFFSET		-8.85	-8.35	-4.95	-4.85	-4.4	0	4.4	4.85	4.95	8.35	8.85

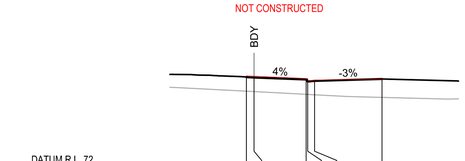
CH 15.845
NOT CONSTRUCTED



DATUM R.L. 72

W.A.E.		77.79	77.77	77.67	77.52	77.56	77.63
DESIGN LEVEL		77.776	77.756	77.622	77.492	77.532	77.684
EXISTING LEVEL		76.826	76.799	76.618	76.613	76.589	76.468
OFFSET	-8.85	-8.35	-4.95	-4.85	-4.4	4.37	0

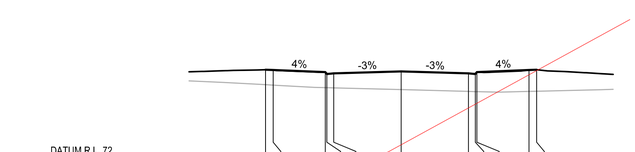
CH 15
NOT CONSTRUCTED



DATUM R.L. 72

W.A.E.		77.91	77.89	77.74	77.60	77.63	77.69
DESIGN LEVEL		77.83	77.81	77.676	77.546	77.586	77.718
EXISTING LEVEL		76.917	76.89	76.712	76.707	76.683	76.511
OFFSET	-8.85	-8.35	-4.95	-4.85	-4.4	4.35	0

CH 12.994



DATUM R.L. 72

W.A.E.											
DESIGN LEVEL		77.734	77.714	77.58	77.45	77.49	77.622	77.49	77.45	77.58	77.714	77.734
EXISTING LEVEL		76.753	76.726	76.563	76.561	76.549	76.432	76.316	76.304	76.301	76.313	76.325
OFFSET	-8.85	-8.35	-4.95	-4.85	-4.4	0	4.4	4.85	4.95	8.35	8.85	

CH 16.628
NOT CONSTRUCTED

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
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SCALE 1:200 (A1) SCALE 1:400 (A3)

For: mirvac

By: ORION
JAS-ANZ
WWW.JAS-ANZ.ORG/REGISTER
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 11

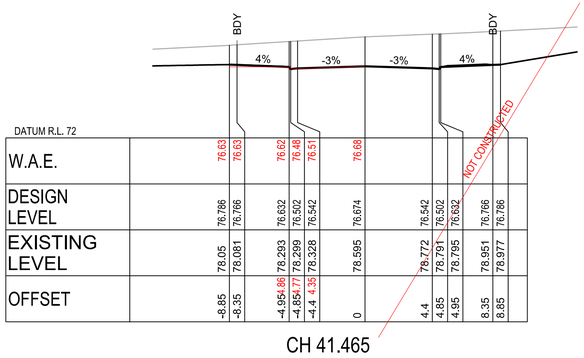
Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	320	G

ROAD 40

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	

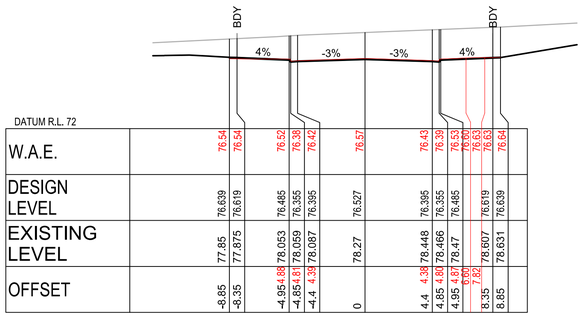
G



DATUM R.L. 72

W.A.E.	76.63	76.63	76.62	76.48	76.51	76.68						76.766	76.766
DESIGN LEVEL	76.766	76.766	76.632	76.502	76.542	76.674	76.542	76.502	76.632	76.766	76.766		
EXISTING LEVEL	78.05	78.081	78.293	78.299	78.328	78.595	78.772	78.791	78.795	78.951	78.977		
OFFSET	-8.85	-8.35	-4.95	-4.85	-4.4	0	4.4	4.85	4.95	8.35	8.85		

CH 41.465

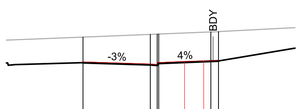


DATUM R.L. 72

W.A.E.	76.54	76.54	76.52	76.38	76.42	76.57	76.43	76.39	76.53	76.63	76.63	76.64	
DESIGN LEVEL	76.639	76.619	76.485	76.355	76.395	76.527	76.395	76.355	76.485	76.619	76.639		
EXISTING LEVEL	77.85	77.875	78.053	78.059	78.087	78.27	78.448	78.466	78.47	78.607	78.631		
OFFSET	-8.85	-8.35	-4.95	-4.85	-4.4	0	4.4	4.85	4.95	8.35	8.85		

			4.88	4.81	4.39		4.39	4.60	4.87	6.00	7.82		

CH 35.5



DATUM R.L. 72

W.A.E.					76.54		76.39	76.35	76.49	76.53	76.60	76.60	76.62
DESIGN LEVEL					76.495		76.363	76.323	76.453			76.597	76.607
EXISTING LEVEL					78.165		78.343	78.361	78.365			78.502	78.522
OFFSET					0		4.4	4.85	4.95			8.35	8.85

							4.39	4.81	4.87	6.04	7.89		

CH 33.572

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

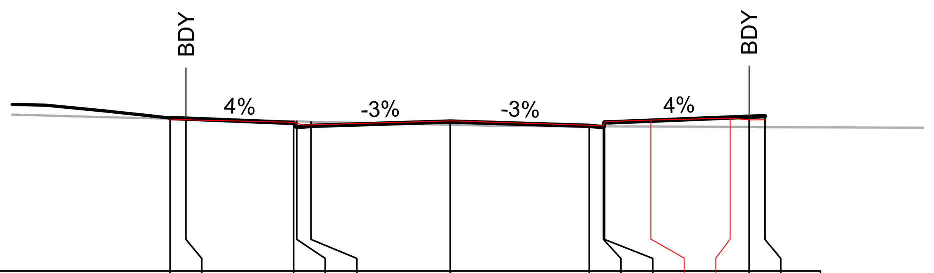
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 12

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	321	G

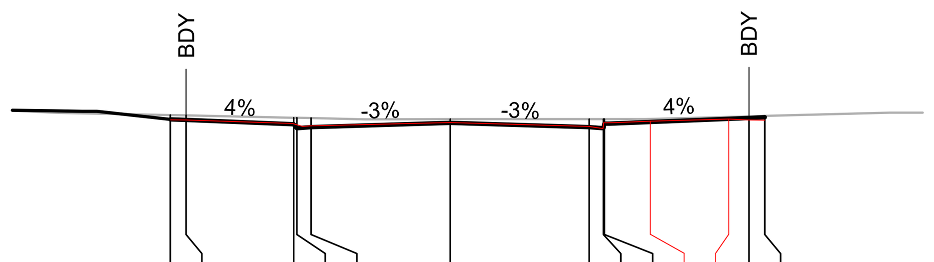
ROAD 40A



DATUM R.L. 78

W.A.E.	82.77	82.77	82.69	82.60	82.61	82.74	82.60	82.57	82.71	82.77	82.83	82.77	82.77
DESIGN LEVEL	82.833	82.813	82.679	82.549	82.589	82.721	82.589	82.549	82.699			82.875	82.895
EXISTING LEVEL	82.816	82.805	82.729	82.727	82.717	82.619	82.571	82.569	82.569			82.551	82.549
OFFSET	-8.85 8.85	-8.35 8.35	-4.95 4.98	-4.85 4.61	-4.4 4.40	0	4.4 4.39	4.85 4.83	4.88 4.90	6.35	8.85	9.45 9.45	9.95 9.96

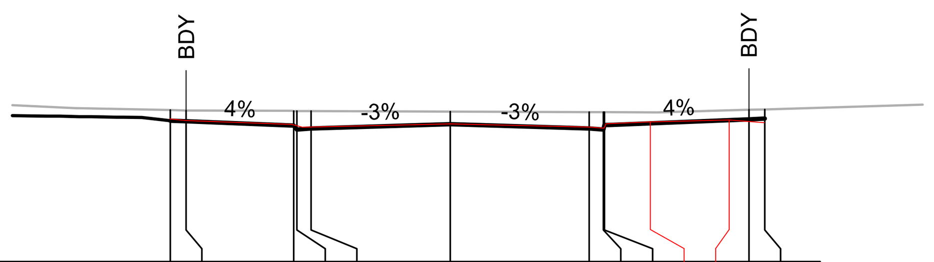
CH 375



DATUM R.L. 79

W.A.E.	83.62	83.61	83.50	83.41	83.43	83.53	83.41	83.34	83.53	83.58	83.64	83.61	83.61
DESIGN LEVEL	83.643	83.623	83.489	83.359	83.399	83.531	83.399	83.359	83.509			83.685	83.705
EXISTING LEVEL	83.775	83.765	83.692	83.69	83.681	83.646	83.648	83.648	83.649			83.735	83.748
OFFSET	-8.85	-8.35	-4.95 4.99	-4.85 4.66	-4.4 4.44	0	4.4 4.38	4.85 4.84	4.88 4.86	6.33	8.82	9.45	9.95

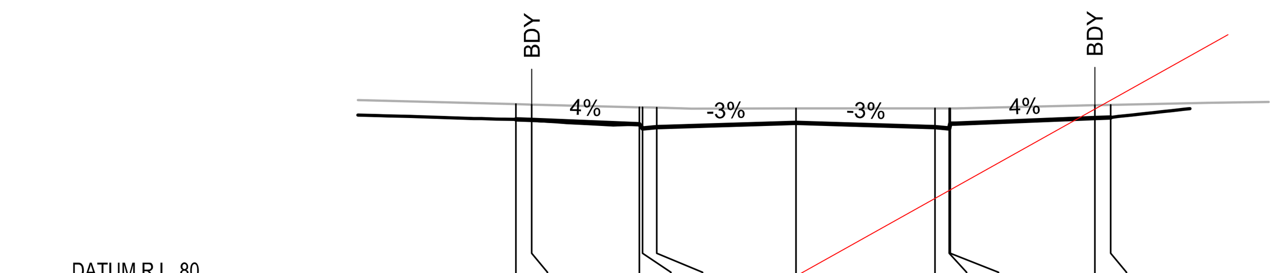
CH 360



DATUM R.L. 80

W.A.E.	84.50	84.44	84.32	84.23	84.25	84.34	84.24	84.21	84.34	84.40	84.46	84.38	84.38
DESIGN LEVEL	84.453	84.433	84.299	84.169	84.209	84.341	84.209	84.169	84.319			84.495	84.515
EXISTING LEVEL	84.785	84.775	84.76	84.759	84.757	84.739	84.721	84.719	84.719			84.796	84.81
OFFSET	-8.85	-8.35	-4.95 5.00	-4.85 4.67	-4.4 4.43	0	4.4 4.41	4.85 4.87	4.88 4.93	6.34	8.83	9.45	9.95

CH 345

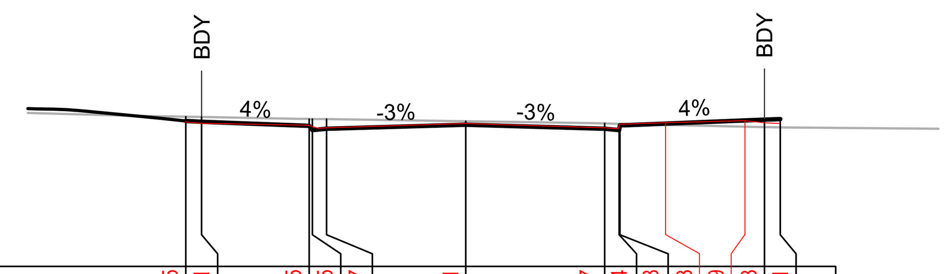


DATUM R.L. 80

W.A.E.											
DESIGN LEVEL	85.236	85.216	85.082	84.952	84.992	85.124	84.992	84.952	85.102	85.278	85.298
EXISTING LEVEL	85.718	85.705	85.618	85.616	85.604	85.58	85.586	85.586	85.586	85.683	85.694
OFFSET	-8.85	-8.35	-4.95	-4.85	-4.4	0	4.4	4.85	4.88	9.45	9.95

CH 330.5

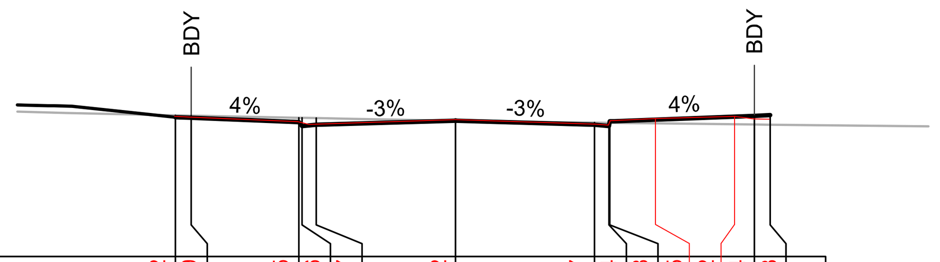
NOT CONSTRUCTED



DATUM R.L. 75

W.A.E.	79.55	79.51	79.45	79.35	79.37	79.51	79.37	79.34	79.48	79.53	79.59	79.53	79.51
DESIGN LEVEL	79.588	79.568	79.434	79.304	79.344	79.476	79.344	79.304	79.454			79.63	79.65
EXISTING LEVEL	79.723	79.714	79.653	79.652	79.645	79.584	79.511	79.5	79.5			79.396	79.39
OFFSET	-8.85	-8.35	-4.95 4.98	-4.85 4.66	-4.4 4.41	0	4.4 4.40	4.85 4.83	4.88 4.87	6.33	8.84	9.45	9.95

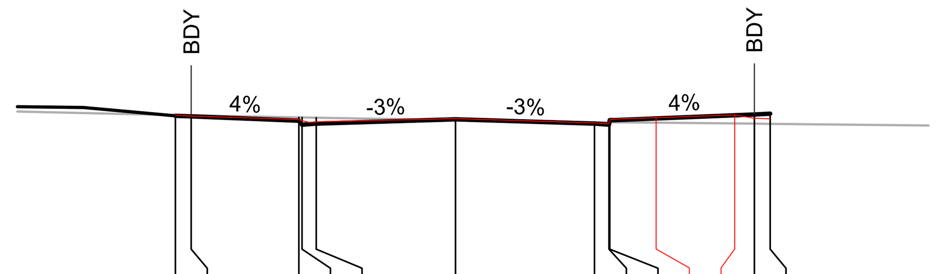
CH 435



DATUM R.L. 76

W.A.E.	80.42	80.39	80.25	80.16	80.17	80.32	80.17	80.14	80.28	80.35	80.42	80.34	80.33
DESIGN LEVEL	80.403	80.383	80.249	80.119	80.159	80.291	80.159	80.119	80.269			80.445	80.465
EXISTING LEVEL	80.463	80.452	80.382	80.38	80.371	80.293	80.227	80.222	80.222			80.168	80.163
OFFSET	-8.85	-8.35	-4.95 4.98	-4.85 4.62	-4.4 4.39	0	4.4 4.43	4.85 4.84	4.88 4.90	6.33	8.83	9.45	9.95

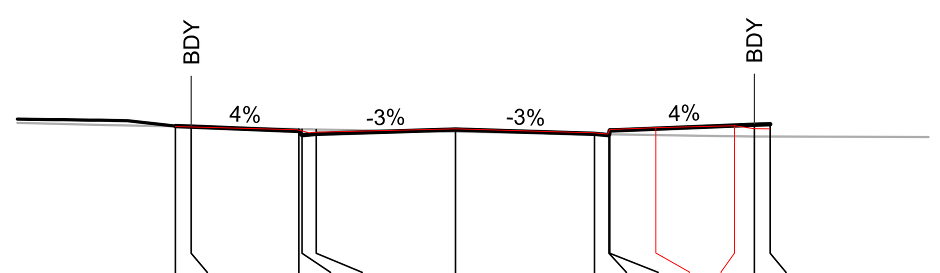
CH 420



DATUM R.L. 76

W.A.E.	81.23	81.19	81.09	81.00	81.01	81.11	80.98	80.95	81.09	81.14	81.23	81.13	81.11
DESIGN LEVEL	81.213	81.193	81.059	80.929	80.969	81.101	80.969	80.929	81.079			81.255	81.275
EXISTING LEVEL	81.238	81.228	81.16	81.158	81.149	81.072	81.01	81.006	81.006			80.962	80.957
OFFSET	-8.85	-8.35	-4.95 4.98	-4.85 4.63	-4.4 4.40	0	4.4 4.40	4.85 4.84	4.88 4.90	6.35	8.83	9.45	9.95

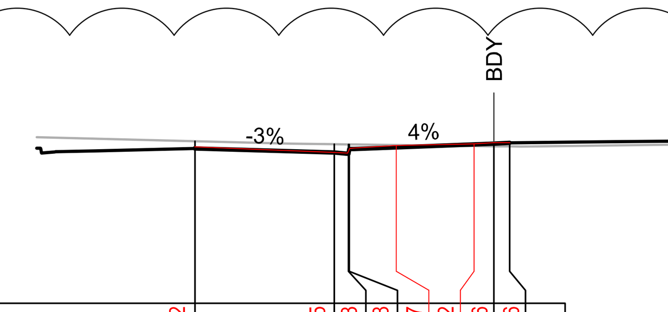
CH 405



DATUM R.L. 77

W.A.E.	82.00	81.98	81.90	81.80	81.82	81.93	81.80	81.76	81.90	81.96	82.02	81.93	81.93
DESIGN LEVEL	82.023	82.003	81.869	81.739	81.779	81.911	81.779	81.739	81.889			82.065	82.085
EXISTING LEVEL	82.011	82	81.928	81.925	81.917	81.844	81.771	81.764	81.763			81.694	81.69
OFFSET	-8.85	-8.35	-4.95 4.99	-4.85 4.62	-4.4 4.38	0	4.4 4.40	4.85 4.83	4.88 4.89	6.34	8.83	9.45	9.95

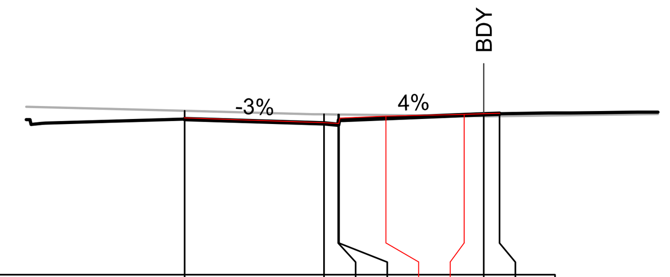
CH 390



DATUM R.L. 73

W.A.E.	77.92	77.75	77.73	77.88	77.97	78.02	78.06	78.06
DESIGN LEVEL	77.882	77.75	77.71	77.86			78.037	78.057
EXISTING LEVEL	78.109	78.013	78.008	78.008			77.952	77.946
OFFSET	0	4.4 4.43	4.85 4.84	4.88 4.90	6.37	8.83	9.45	9.95

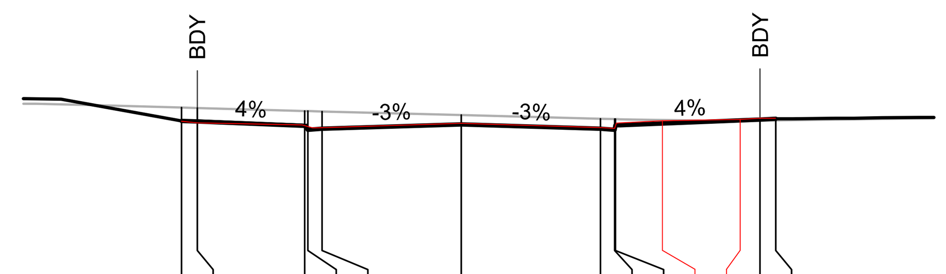
CH 466.812



DATUM R.L. 73

W.A.E.	77.95	77.80	77.78	77.94	78.01	78.06	78.09	78.10
DESIGN LEVEL	77.92	77.788	77.748	77.898			78.075	78.095
EXISTING LEVEL	78.183	78.072	78.067	78.067			78.011	78.016
OFFSET	0	4.4 4.41	4.85 4.88	4.88 4.92	6.36	8.84	9.45	9.95

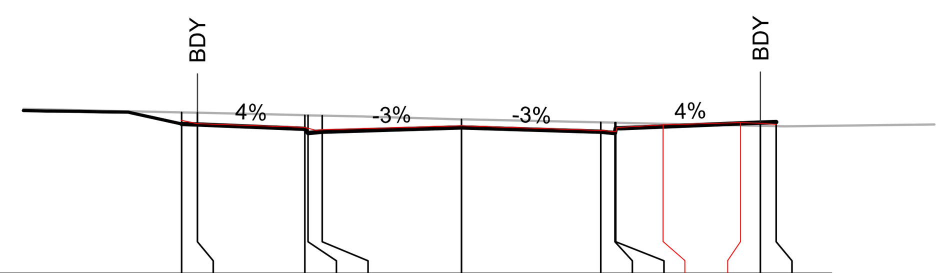
CH 465



DATUM R.L. 73

W.A.E.	78.07	78.02	77.96	77.87	77.87	78.01	77.87	77.85	78.01	78.09	78.13	78.14	78.14
DESIGN LEVEL	78.094	78.074	77.94	77.81	77.85	77.982	77.85	77.81	77.96			78.136	78.156
EXISTING LEVEL	78.516	78.502	78.407	78.404	78.392	78.276	78.161	78.149	78.148			78.107	78.114
OFFSET	-8.85	-8.35	-4.95 5.03	-4.85 4.69	-4.4 4.46	0	4.4 4.44	4.85 4.86	4.88 4.92	6.37	8.83	9.45	9.95

CH 462.736



DATUM R.L. 74

W.A.E.	78.83	78.73	78.62	78.52	78.54	78.66	78.51	78.48	78.61	78.69	78.76	78.74	78.70
DESIGN LEVEL	78.727	78.707	78.573	78.443	78.483	78.615	78.483	78.443	78.593			78.77	78.79
EXISTING LEVEL	79.09	79.079	79.002	78.999	78.989	78.873	78.777	78.767	78.766			78.667	78.656
OFFSET	-8.85	-8.35	-4.95 4.98	-4.85 4.62	-4.4 4.42	0	4.4 4.45	4.85 4.89	4.88 4.92	6.38	8.83	9.45	9.95

CH 450

LEGEND

EXISTING SURFACE	(grey line)
DESIGN SURFACE	(black line)

G

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
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
22/03/2024
SUBDIVISION WORKS CERTIFICATE
DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

By: ORION

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

WWW.JAS-ANZ.ORG/REGISTER

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 13

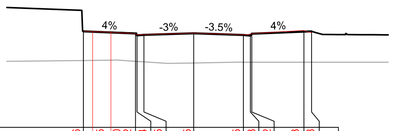
Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	322	G

HOOK STREET

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

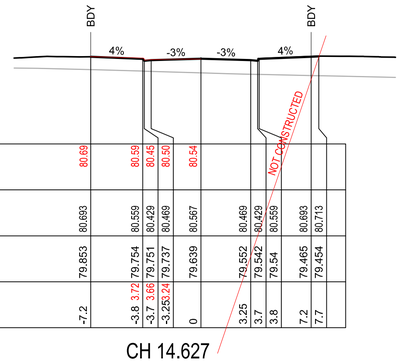
LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	

G



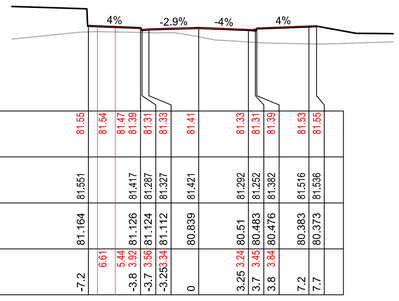
DATUM R.L. 75														
W.A.E.		81.26		81.25	81.20	81.12		81.15		81.05	81.03	81.12	81.33	81.18
DESIGN LEVEL	81.268				81.134	81.004	81.044	81.142		81.028	80.988	81.118	81.252	81.272
EXISTING LEVEL	79.367				79.314	79.307	79.277	79.205		79.257	79.254	79.253	79.254	79.255
OFFSET	-7.2		6.59	8.40	8.99	3.57	-3.25	0		3.25	3.7	3.8	7.2	7.7
				-3.9	-3.7		-3.34			3.22	3.43	3.82		

CH -24.627



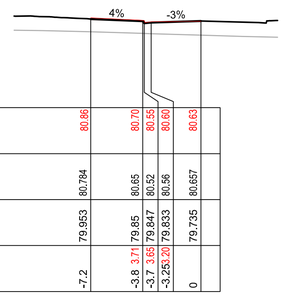
DATUM R.L. 75														
W.A.E.		80.69		80.59	80.45	80.50	80.54							
DESIGN LEVEL	80.693			80.559	80.429	80.469	80.567		80.469		80.559	80.693		
EXISTING LEVEL	79.853			79.754	79.751	79.737	79.639		79.552	80.429	79.54	79.465	80.713	
OFFSET	-7.2			-3.8	-3.7	-3.25	0		3.25	3.7	3.8	7.2	7.7	
				3.72	3.66	3.24				3.7		3.82		

CH 14.627



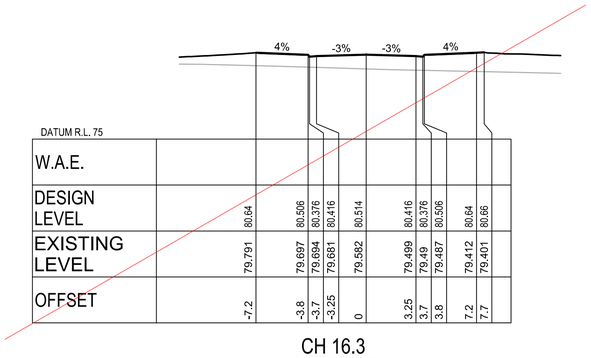
DATUM R.L. 76														
W.A.E.		81.55		81.54	81.47	81.39	81.31	81.33	81.41		81.33	81.31	81.39	81.53	81.55
DESIGN LEVEL	81.551				81.417	81.287	81.327	81.421			81.292	81.252	81.382	81.516	81.536
EXISTING LEVEL	81.164				81.126	81.124	81.112	80.839			80.51	80.483	80.476	80.383	80.373
OFFSET	-7.2		6.61	5.44	3.42	3.56	-3.25	0		3.25	3.45	3.84	7.2	7.7	
				-3.8	-3.7		-3.34			3.24	3.7	3.8			

CH -30



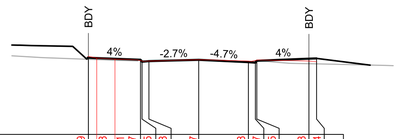
DATUM R.L. 75														
W.A.E.		80.86			80.70	80.55	80.60	80.63						
DESIGN LEVEL	80.784				80.65	80.52	80.56	80.657						
EXISTING LEVEL	79.953				79.85	79.847	79.833	79.735						
OFFSET	-7.2			-3.8	-3.7	-3.25	0							
				3.71	3.65	3.20								

CH 11.783



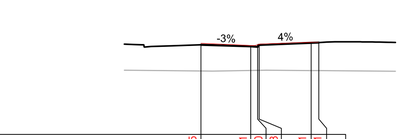
DATUM R.L. 75														
W.A.E.														
DESIGN LEVEL				80.64	80.506	80.376	80.416	80.514		80.416	80.376	80.506		
EXISTING LEVEL				79.791	79.697	79.694	79.681	79.582		79.499	79.49	79.467	79.412	80.66
OFFSET				-7.2	-3.8	-3.7	-3.25	0		3.25	3.7	3.8	7.2	7.7
													79.401	

CH 16.3
NOT CONSTRUCTED



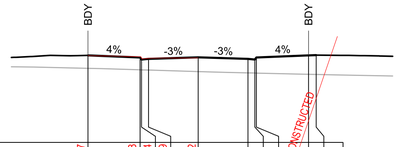
DATUM R.L. 77														
W.A.E.		82.09		81.96	81.91	81.87	81.75	81.78	81.87		81.78	81.77	81.85	81.78	81.74
DESIGN LEVEL	82.011				81.877	81.747	81.787	81.876			81.723	81.683	81.813	81.947	81.967
EXISTING LEVEL	81.909				81.847	81.832	81.787	81.877			81.733	81.8	81.815	81.618	81.607
OFFSET	-7.2		6.66	5.47	3.58	3.59	-3.25	0		3.25	3.47	3.85	7.2	7.7	
				-3.9	-3.7		-3.35			3.25	3.7	3.8			

CH -38.741



DATUM R.L. 75														
W.A.E.		80.95			80.81	80.80	80.88	81.01	81.01					
DESIGN LEVEL	80.855				80.757	80.717	80.847	80.981	81.001					
EXISTING LEVEL	79.144				79.18	79.188	79.19	79.174	79.17					
OFFSET	0			3.25	3.23	3.52	3.82	7.2	7.7					

CH -18.783



DATUM R.L. 75														
W.A.E.		80.67		80.58	80.44	80.49	80.52							
DESIGN LEVEL	80.681			80.547	80.417	80.457	80.555		80.457					
EXISTING LEVEL	79.839			79.741	79.738	79.725	79.626		79.54	80.417	80.547	79.453	80.681	
OFFSET	-7.2			-3.8	-3.7	-3.25	0		3.25	3.7	3.8	7.2	7.7	
				3.73	3.67	3.23								

CH 15

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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: mirvac

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
ROAD CROSS SECTIONS
SHEET 14

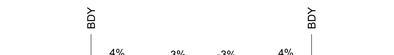
Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	323	G

WISTERIA RISE

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

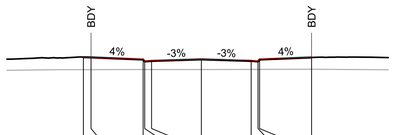
LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	

G



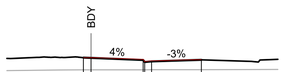
DATUM R.L. 76													
W.A.E.		81.55	81.53		81.50	81.36	81.40	81.49		81.42	81.38	81.52	81.51
DESIGN LEVEL	81.63	81.61		81.476	81.346	81.386		81.483	81.386	81.346	81.476		81.61
EXISTING LEVEL	80.774	80.775		80.78	80.781	80.781		80.787	80.793	80.794	80.795		80.796
OFFSET	-7.7 7.69	-7.2 7.20		-3.8 3.71	-3.7 3.67	-3.25 3.19		0	3.25 3.23	3.7 3.64	3.8 3.68		7.2 7.21

CH 15



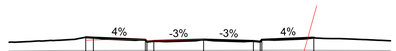
DATUM R.L. 76													
W.A.E.		81.65	81.61		81.53	81.39	81.43	81.52		81.45	81.40	81.55	81.66
DESIGN LEVEL	81.657	81.637		81.503	81.373	81.413		81.511	81.413	81.373	81.503		81.637
EXISTING LEVEL	80.842	80.842		80.848	80.848	80.849		80.854	80.862	80.863	80.863		80.866
OFFSET	-7.7	-7.2		-3.8 3.76	-3.7 3.70	-3.25 3.24		0	3.25 3.29	3.7 3.70	3.8 3.76		7.2

CH 13.595



DATUM R.L. 76								
W.A.E.		81.66	81.66		81.54	81.40	81.45	81.53
DESIGN LEVEL	81.671	81.651		81.517	81.387	81.427		81.524
EXISTING LEVEL	80.873	80.874		80.879	80.879	80.88		80.885
OFFSET	-7.7	-7.2		-3.8 3.76	-3.7 3.71	-3.25 3.29		0

CH 12.949



DATUM R.L. 76										
W.A.E.		81.42	81.45		81.49	81.35	81.39	81.48		
DESIGN LEVEL	81.526	81.666		81.472	81.342	81.382		81.48	81.382	81.342	81.472		81.666
EXISTING LEVEL	80.764	80.765		80.771	80.771	80.772		80.777	80.783	80.784	80.785		80.787
OFFSET	-7.7	-7.2		-3.8 3.76	-3.7 3.69	-3.25 3.25		0	3.25	3.7	3.8		7.2

CH 15.2

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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)

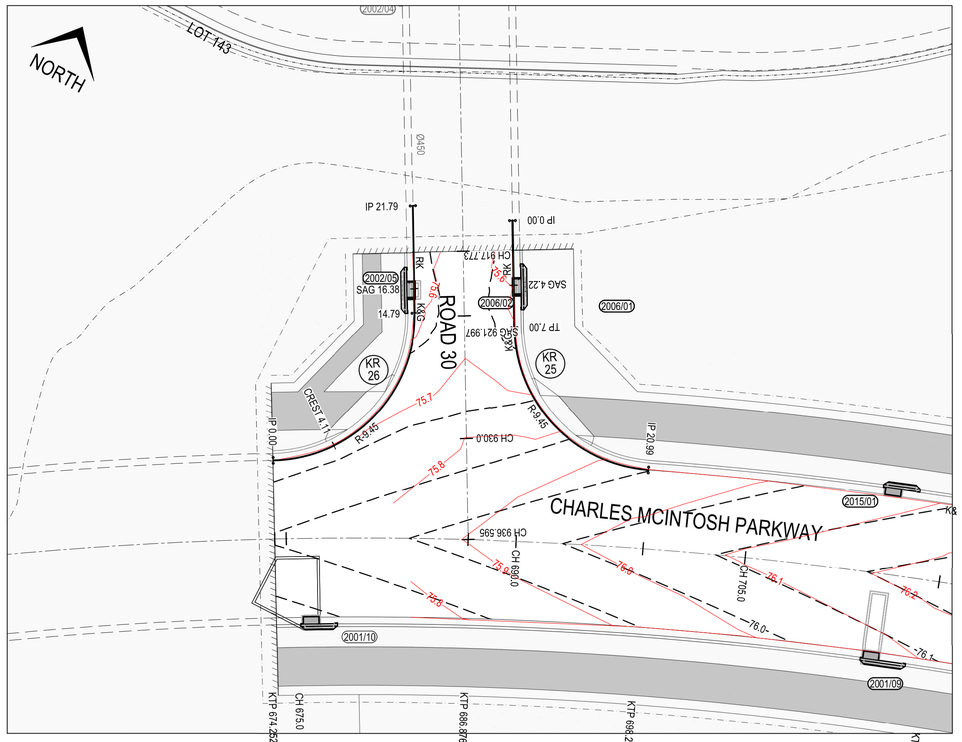
For: mirvac

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

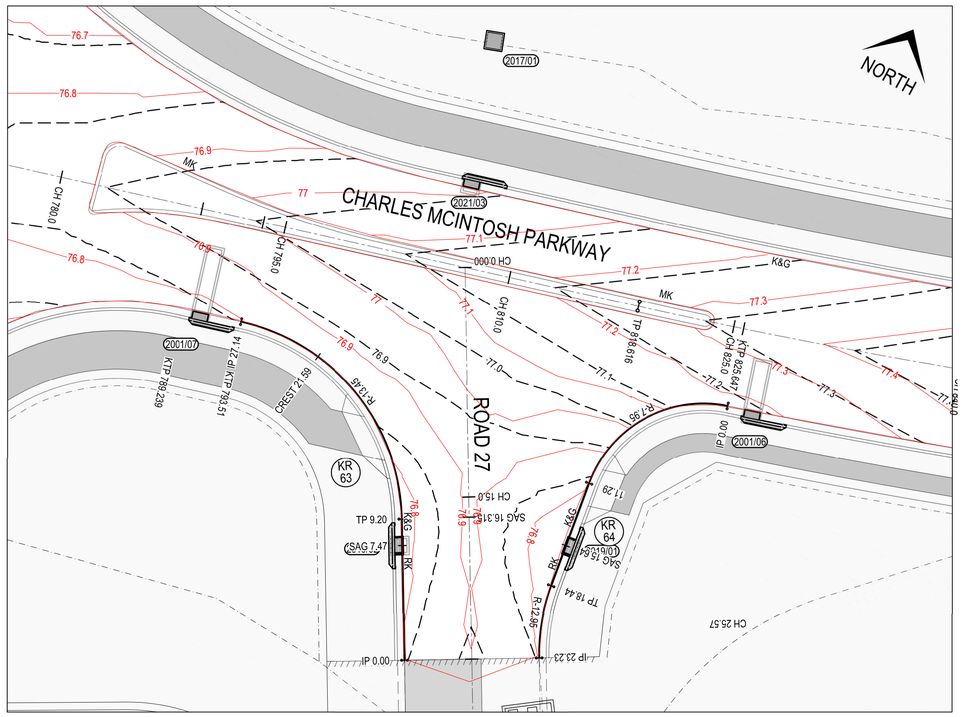
Title:
ROAD CROSS SECTIONS
SHEET 15

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	324	G



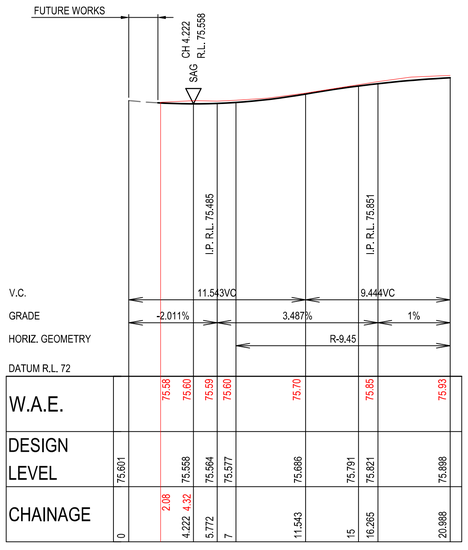
KERB RETURN PLAN - KR 25 & 26

SCALE 1:200



KERB RETURN PLAN - KR 63 & 64

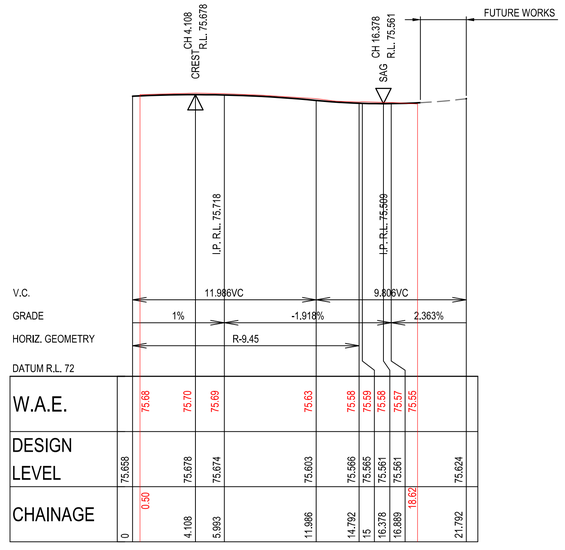
SCALE 1:200



KERB RETURN KR 25

SCALE 1:200 (H)

SCALE 1:40 (V)



KERB RETURN KR 26

SCALE 1:200 (H)

SCALE 1:40 (V)

CAMDEN COUNCIL
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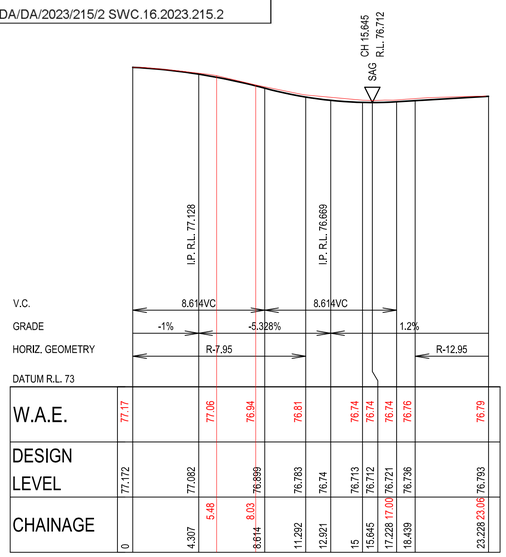
APPROVAL

02/07/2024

SUBDIVISION WORKS CERTIFICATE

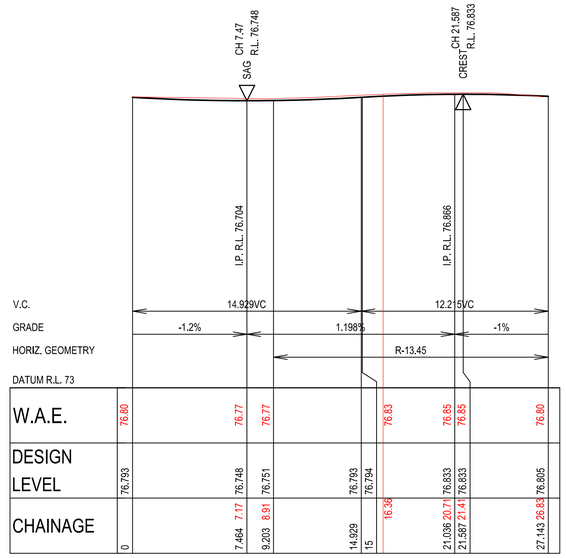
DA/DA/2023/215/2 SWC.16.2023.215.2



KERB RETURN KR 64

SCALE 1:200 (H)

SCALE 1:40 (V)



KERB RETURN KR 63

SCALE 1:200 (H)

SCALE 1:40 (V)

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:

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

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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Scale:
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SCALE 1:40 (A1) SCALE 1:80 (A3)
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)

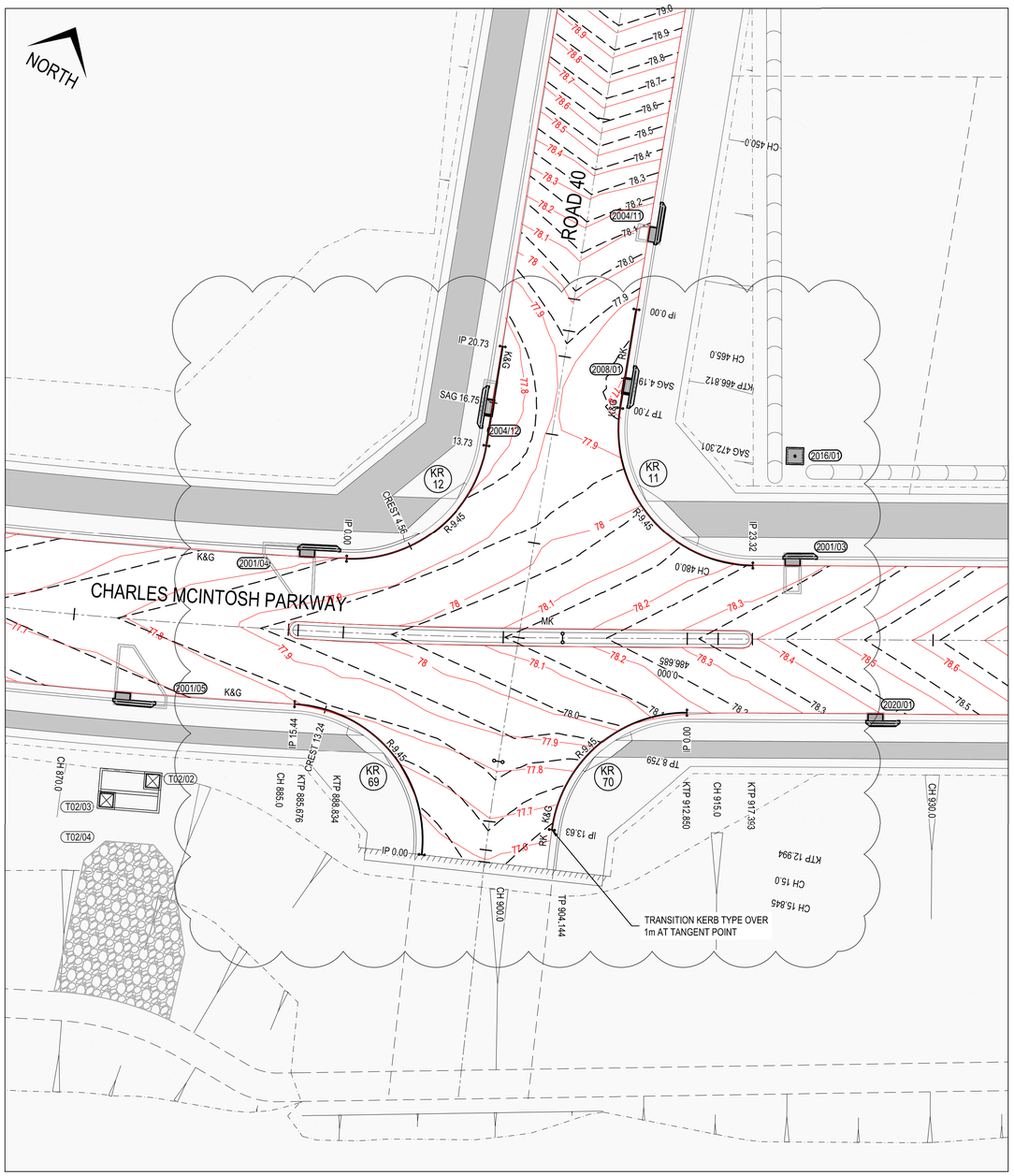
For: mirvac

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
KERB RETURN SETOUT PLANS & PROFILES SHEET 01

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	401	B



KERB RETURN PLAN - KR 11, 12, 69 & 70

SCALE 1:200

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

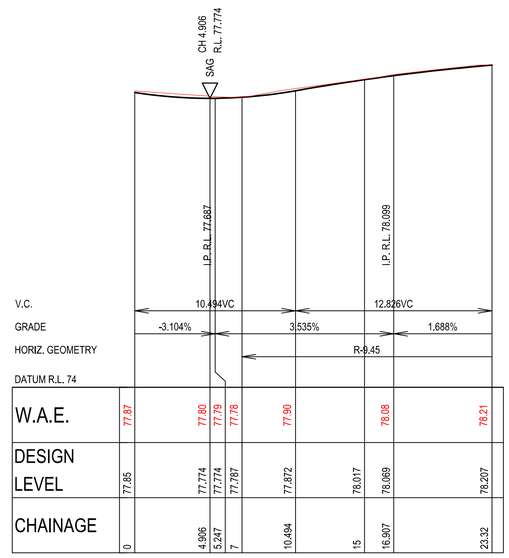
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:

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

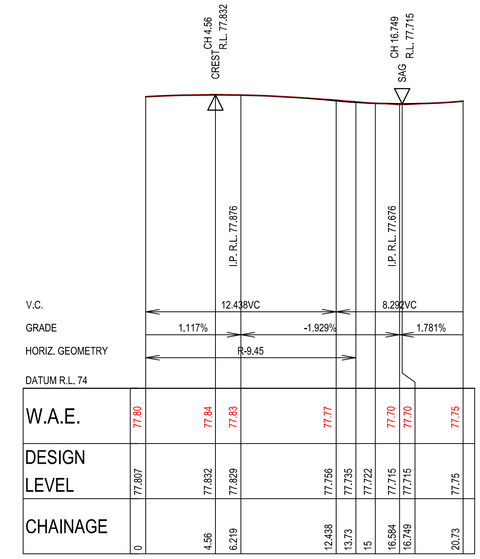
G



W.A.E.	77.87		77.80	77.79	77.78	77.90	78.08	78.21
DESIGN LEVEL	77.85		77.774	77.774	77.787	77.872	78.017	78.069	78.207
CHAINAGE	0		4.906	5.247	7	10.494	15	16.907	23.32

KERB RETURN KR 11

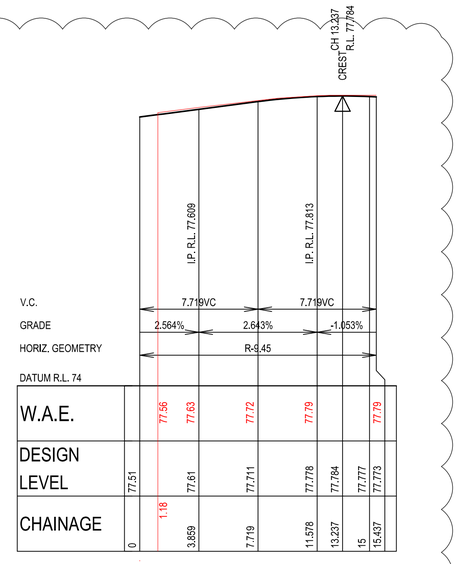
SCALE 1:200 (H)
SCALE 1:40 (V)



W.A.E.	77.80		77.84	77.83		77.77	77.70	77.70	77.75
DESIGN LEVEL	77.807		77.832	77.829		77.756	77.735	77.722	77.715	77.715	77.75
CHAINAGE	0		4.56	6.219		12.438	13.73	15	16.584	16.749	20.73

KERB RETURN KR 12

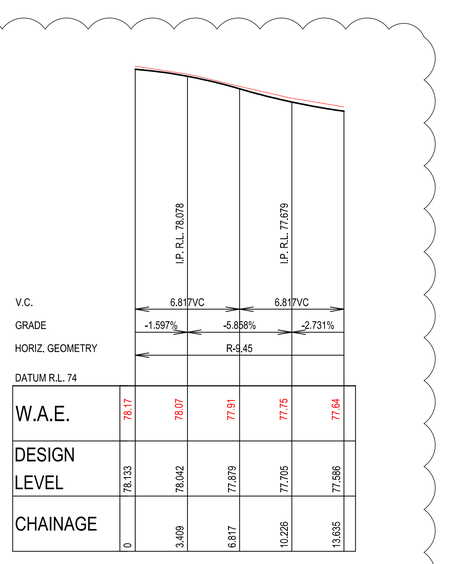
SCALE 1:200 (H)
SCALE 1:40 (V)



W.A.E.	77.56	77.63		77.72	77.79		77.79	
DESIGN LEVEL	77.51	77.61		77.711	77.778	77.784	77.777	77.773	
CHAINAGE	0	1.18	3.859		7.719	11.578	13.237	15	15.437	

KERB RETURN KR 69

SCALE 1:200 (H)
SCALE 1:40 (V)



W.A.E.	78.17	78.07	77.91	77.75	77.64
DESIGN LEVEL	78.133	78.042	77.879	77.705	77.586
CHAINAGE	0	3.409	6.817	10.226	13.635

KERB RETURN KR 70

SCALE 1:200 (H)
SCALE 1:40 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4
SCALE 1:40 (A1) SCALE 1:80 (A3)
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)

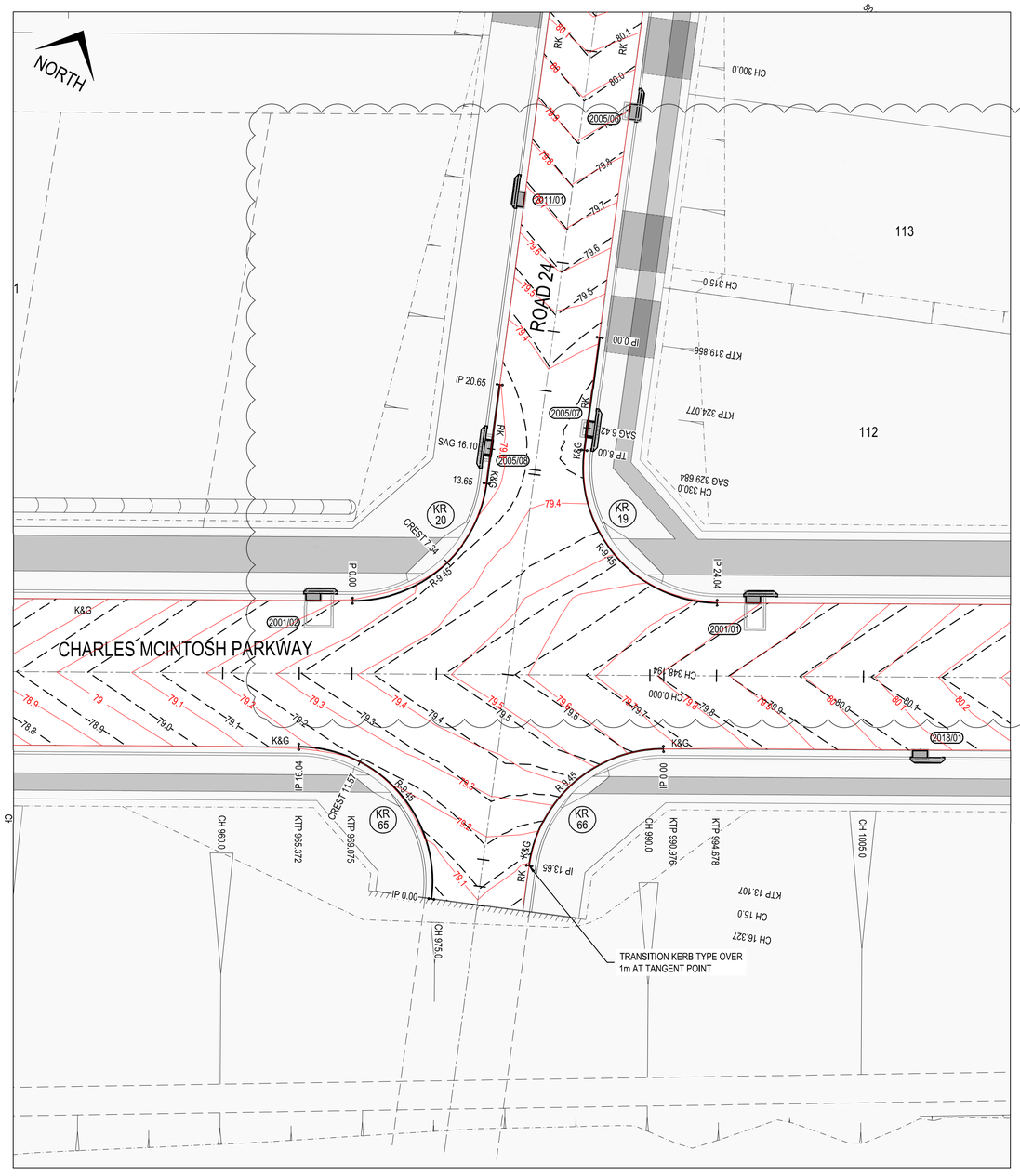
For: mirvac

By: ORION
SUSTAINABLE ENTERPRISES
WWW.JAS-ANZ.ORG/REGISTER
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
KERB RETURN SETOUT PLANS & PROFILES SHEET 02

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	402	G



KERB RETURN PLAN - KR 19, 20, 65 & 66

SCALE 1:200

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

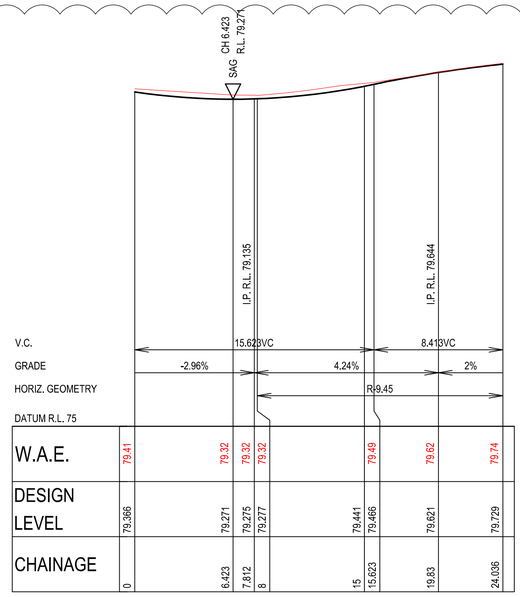
DA/2023/215/1 SWC.16.2023.215.1

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

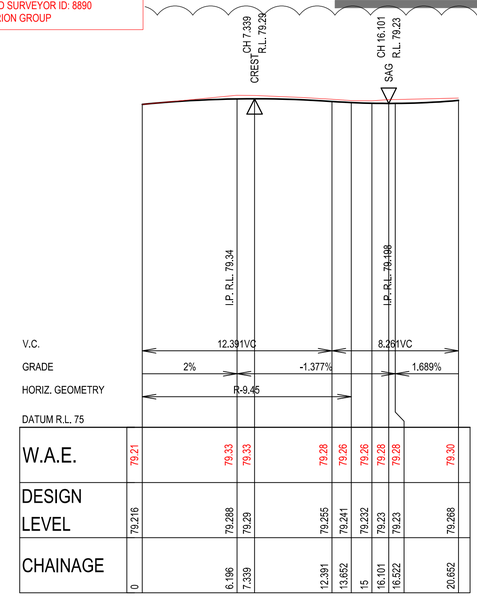
NOTE:

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



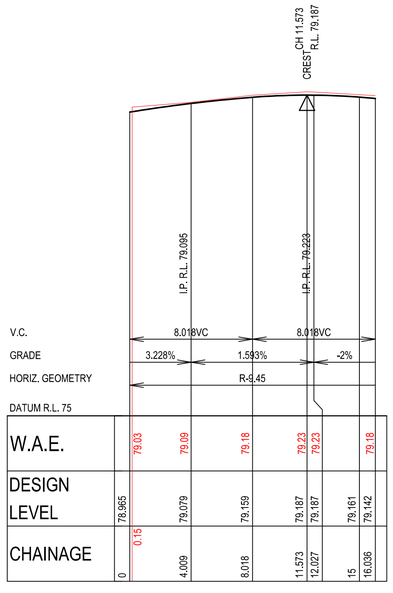
KERB RETURN KR 19

SCALE 1:200 (H)
SCALE 1:40 (V)



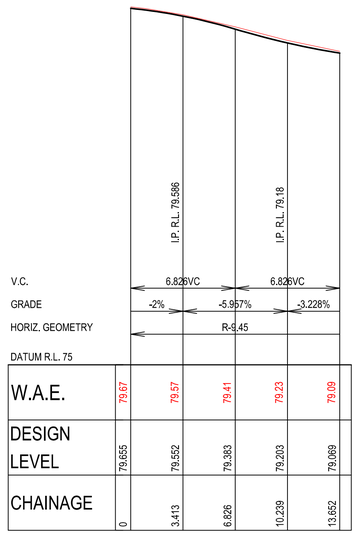
KERB RETURN KR 20

SCALE 1:200 (H)
SCALE 1:40 (V)



KERB RETURN KR 65

SCALE 1:200 (H)
SCALE 1:40 (V)



KERB RETURN KR 66

SCALE 1:200 (H)
SCALE 1:40 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4
SCALE 1:40 (A1) SCALE 1:80 (A3)
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)

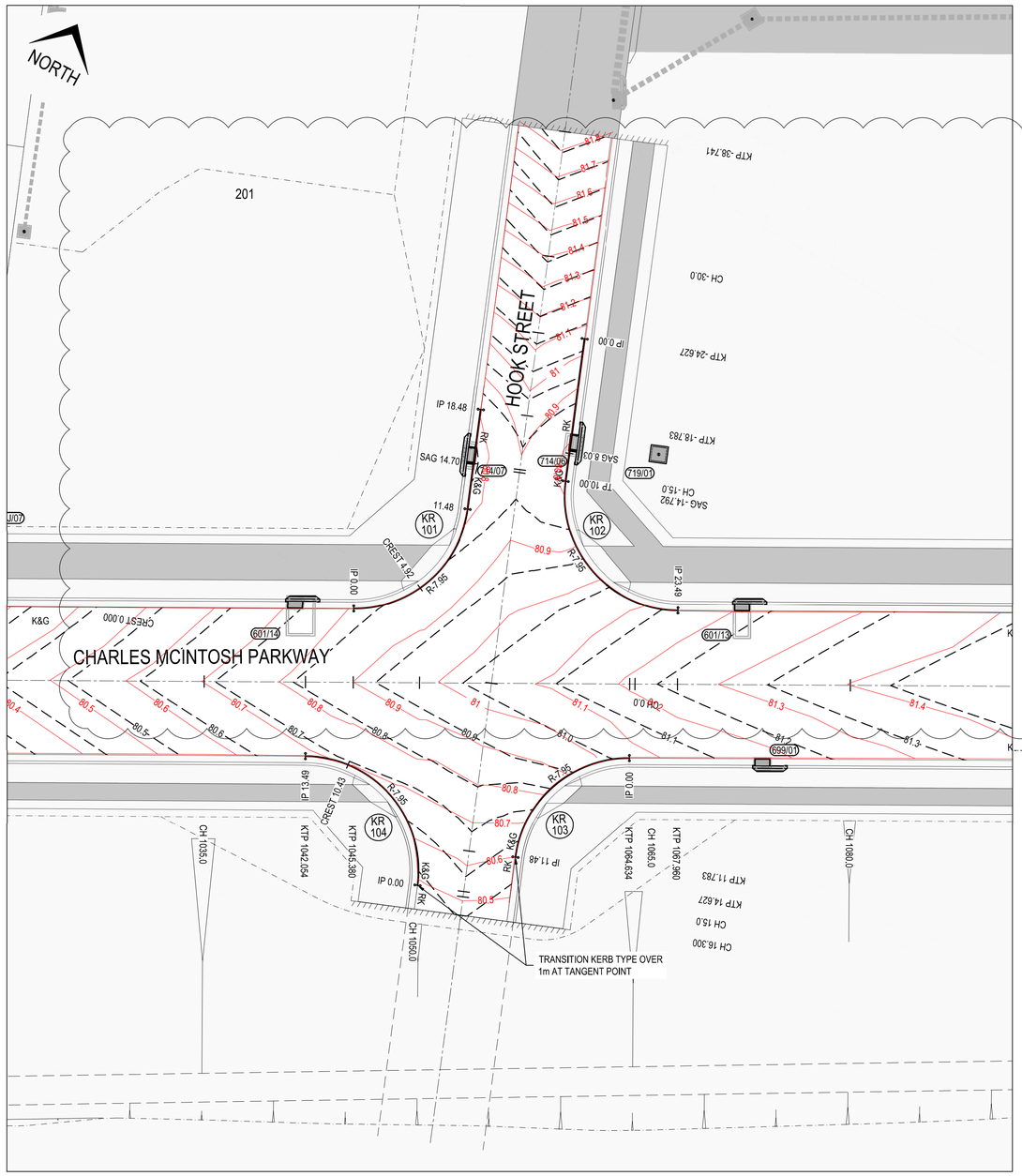
For: mirvac

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:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

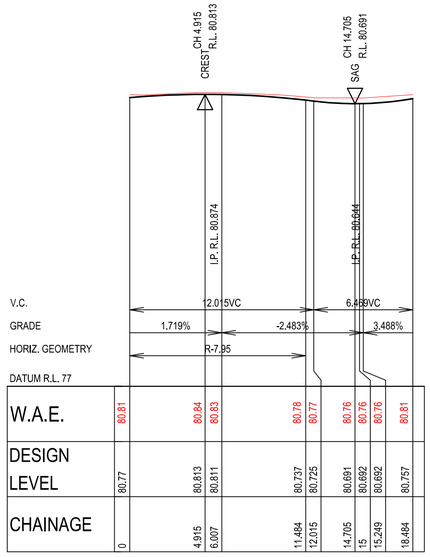
Title:
KERB RETURN SETOUT PLANS & PROFILES SHEET 03

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	403	G



KERB RETURN PLAN - KR 101, 102, 103 & 104

SCALE 1:200

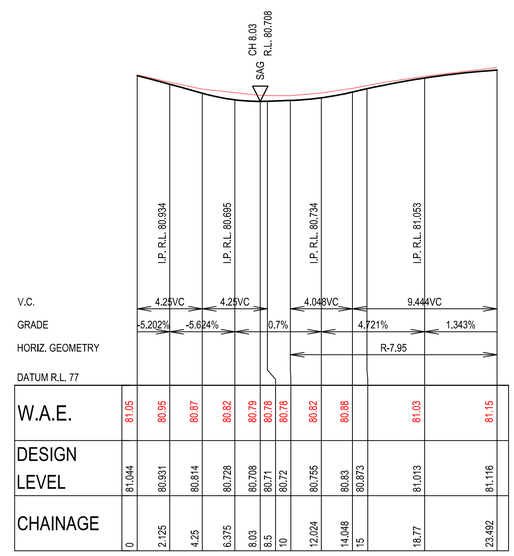


W.A.E.	80.81		80.84	80.83		80.78	80.77	80.76	80.76	80.76	80.81
DESIGN LEVEL	80.77		80.813	80.811		80.737	80.725	80.691	80.692	80.692	80.757
CHAINAGE	0		4.915	6.007		11.484	12.015	14.705	15	15.249	18.484

KERB RETURN KR 101

SCALE 1:200 (H)

SCALE 1:40 (V)

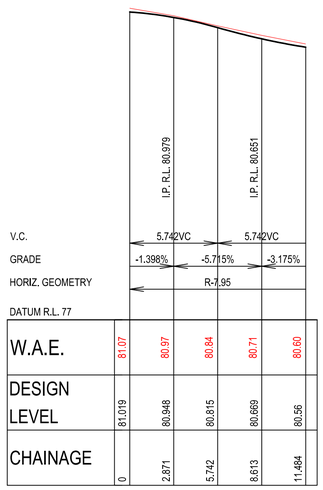


W.A.E.	81.05	80.95	80.87	80.82	80.79	80.78	80.78	80.82	80.88	81.03	81.15
DESIGN LEVEL	81.044	80.931	80.814	80.728	80.708	80.71	80.72	80.755	80.83	80.873	81.013	81.116
CHAINAGE	0	2.125	4.25	6.375	8.03	8.5	10	12.024	14.048	15	18.77	23.492

KERB RETURN KR 102

SCALE 1:200 (H)

SCALE 1:40 (V)

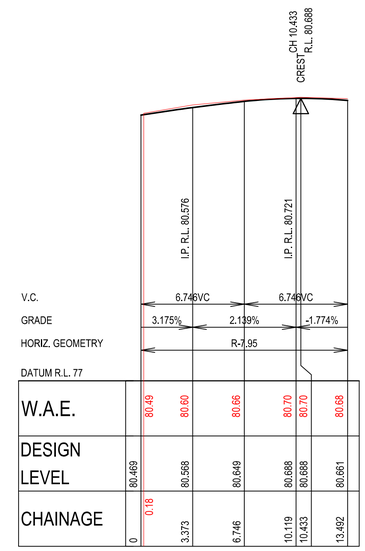


W.A.E.	81.07	80.97	80.84	80.71	80.60
DESIGN LEVEL	81.019	80.948	80.815	80.669	80.56
CHAINAGE	0	2.871	5.742	8.613	11.484

KERB RETURN KR 103

SCALE 1:200 (H)

SCALE 1:40 (V)



W.A.E.	80.49	80.60	80.66	80.70	80.70	80.68
DESIGN LEVEL	80.469	80.568	80.649	80.688	80.688	80.661
CHAINAGE	0	0.18	3.373	6.746	10.119	10.433	13.492

KERB RETURN KR 104

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: 07/02/2025

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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SCALE 1:40 (A1) SCALE 1:80 (A3)
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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
KERB RETURN SETOUT PLANS & PROFILES SHEET 04

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	404	G

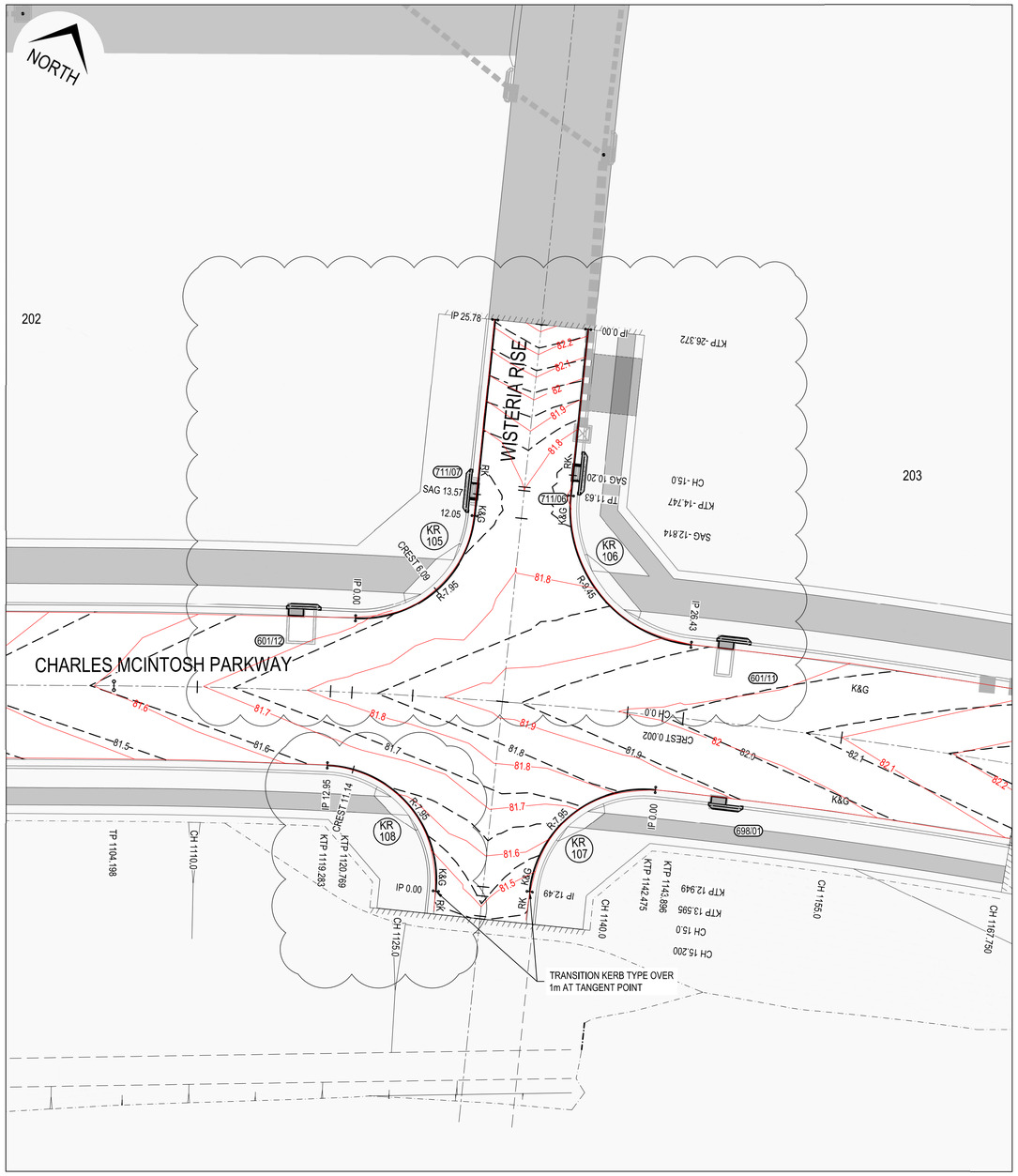
WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:

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



KERB RETURN PLAN - KR 105, 106, 107 &108

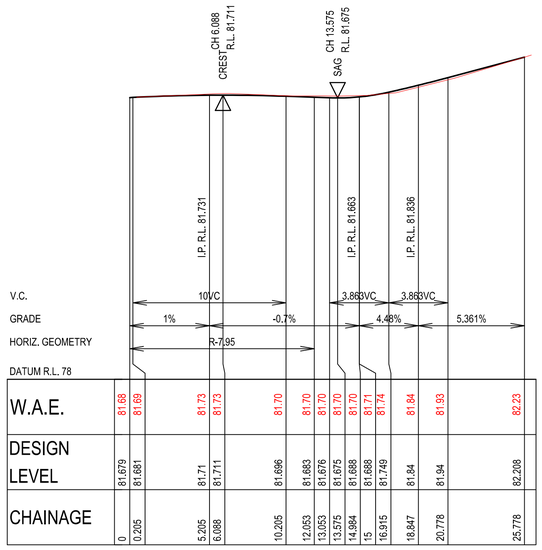
SCALE 1:200

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1



KERB RETURN KR 105

SCALE 1:200 (H)
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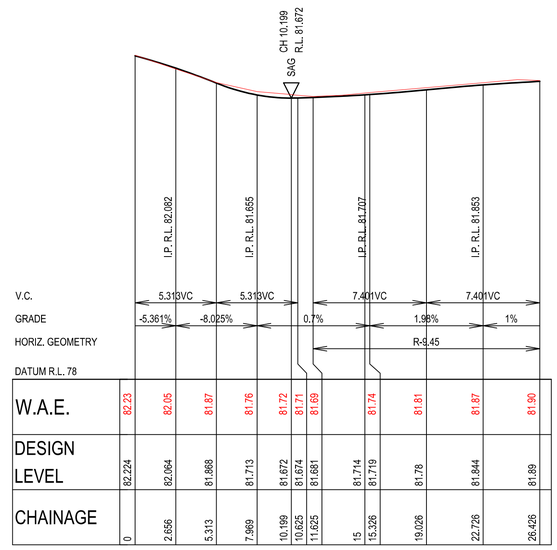

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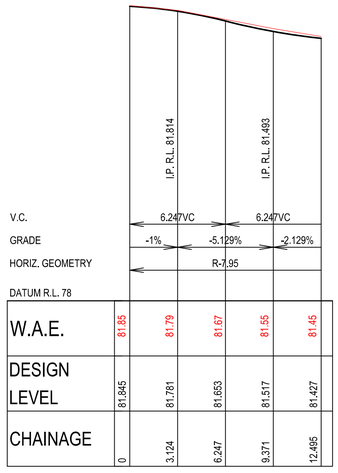

KERB RETURN KR 107

SCALE 1:200 (H)
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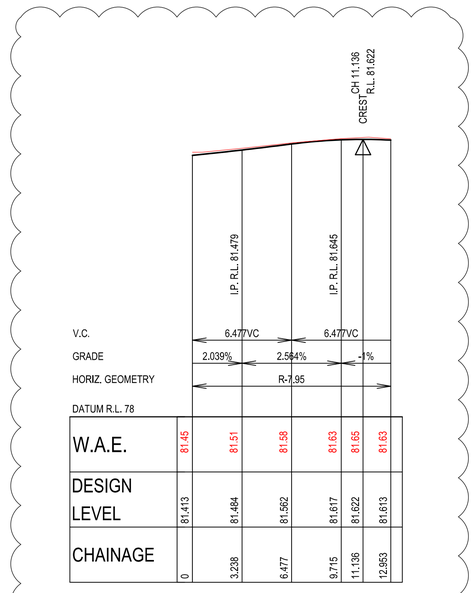

KERB RETURN KR 108

SCALE 1:200 (H)
SCALE 1:40 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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SCALE 1:40 (A1) SCALE 1:80 (A3)
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SCALE 1:200 (A1) SCALE 1:400 (A3)

For: mirvac

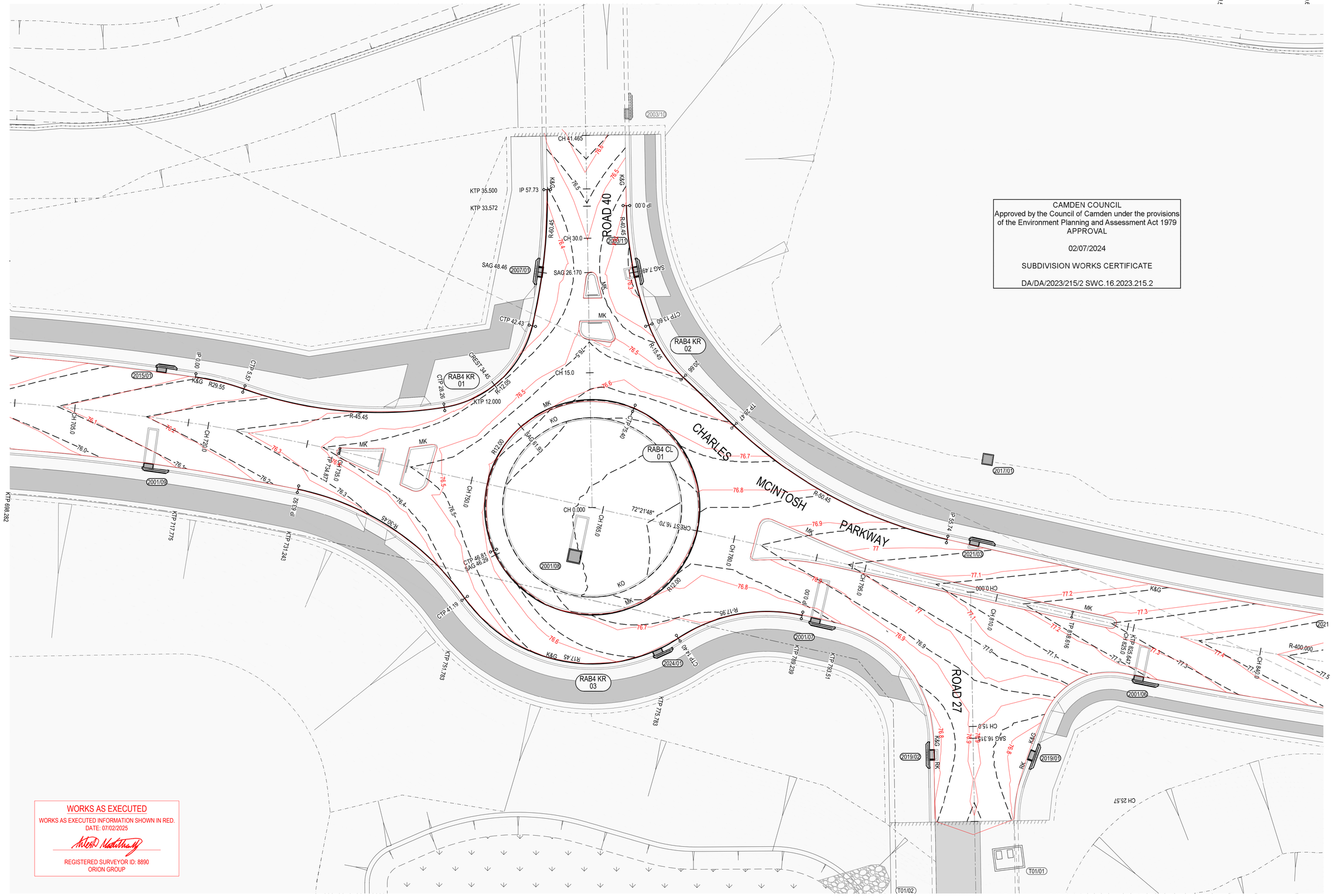
By: ORION
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
KERB RETURN SETOUT PLANS & PROFILES SHEET 05

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	405	G

NORTH



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APPROVAL

02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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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: mirvac

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title: ROUNDABOUT SPLITTER ISLAND PLAN

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	410	B

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

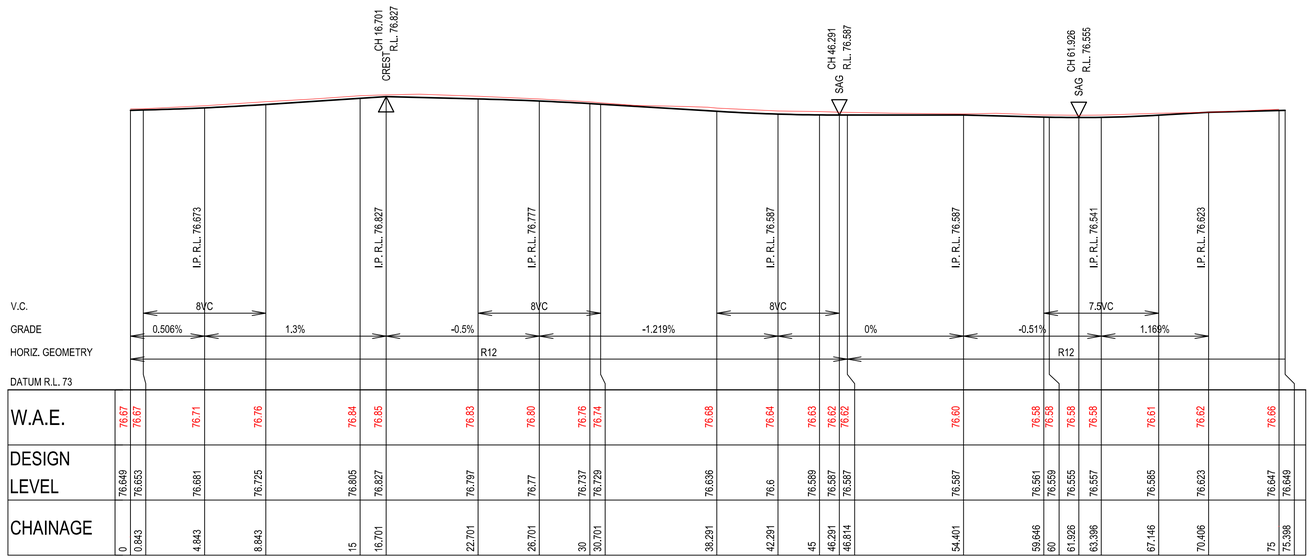
02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:
- KERB RETURNS ARE SET OUT TO THE LIP OF GUTTER.
- MOUNTABLE KERBS ARE SET OUT TO THE NOMINAL KERB LINE.
- FOR RAB4 KR SETOUT PLAN REFER TO SHEET SWC 410.



KERB RETURN RAB4 CL01
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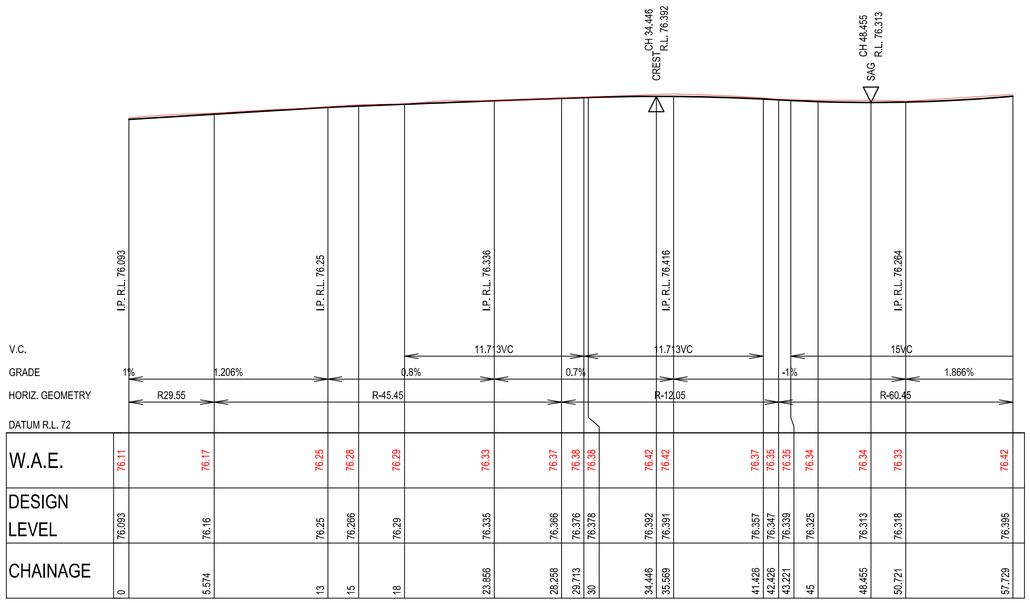
SCALE 1:40 (V)



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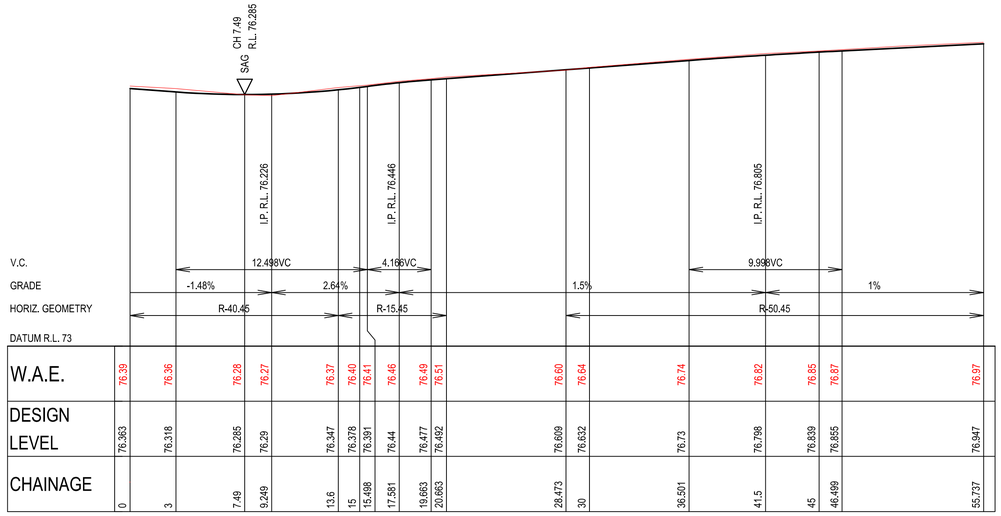

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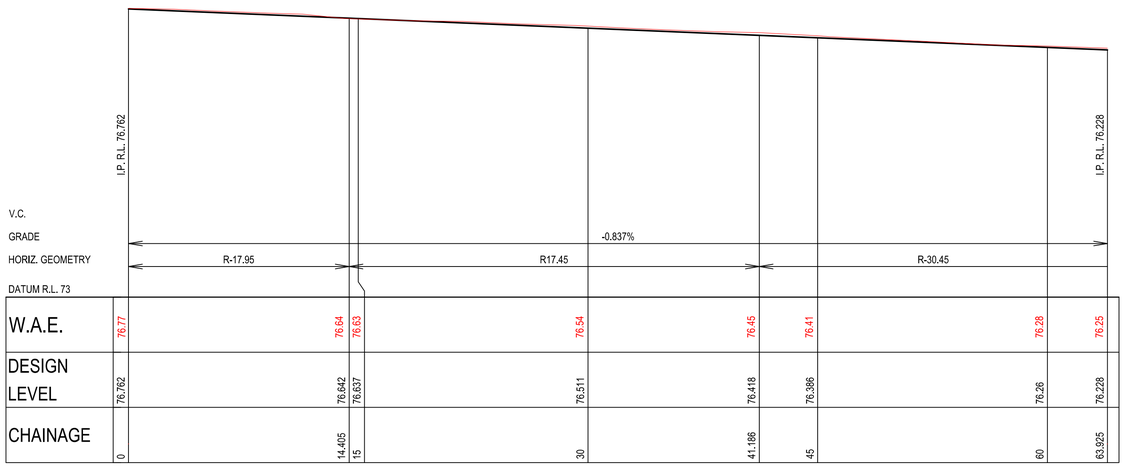

KERB RETURN RAB4 KR03
SCALE 1:200 (H)
SCALE 1:40 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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SCALE 1:40 (A1) SCALE 1:80 (A3)
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SCALE 1:200 (A1) SCALE 1:400 (A3)

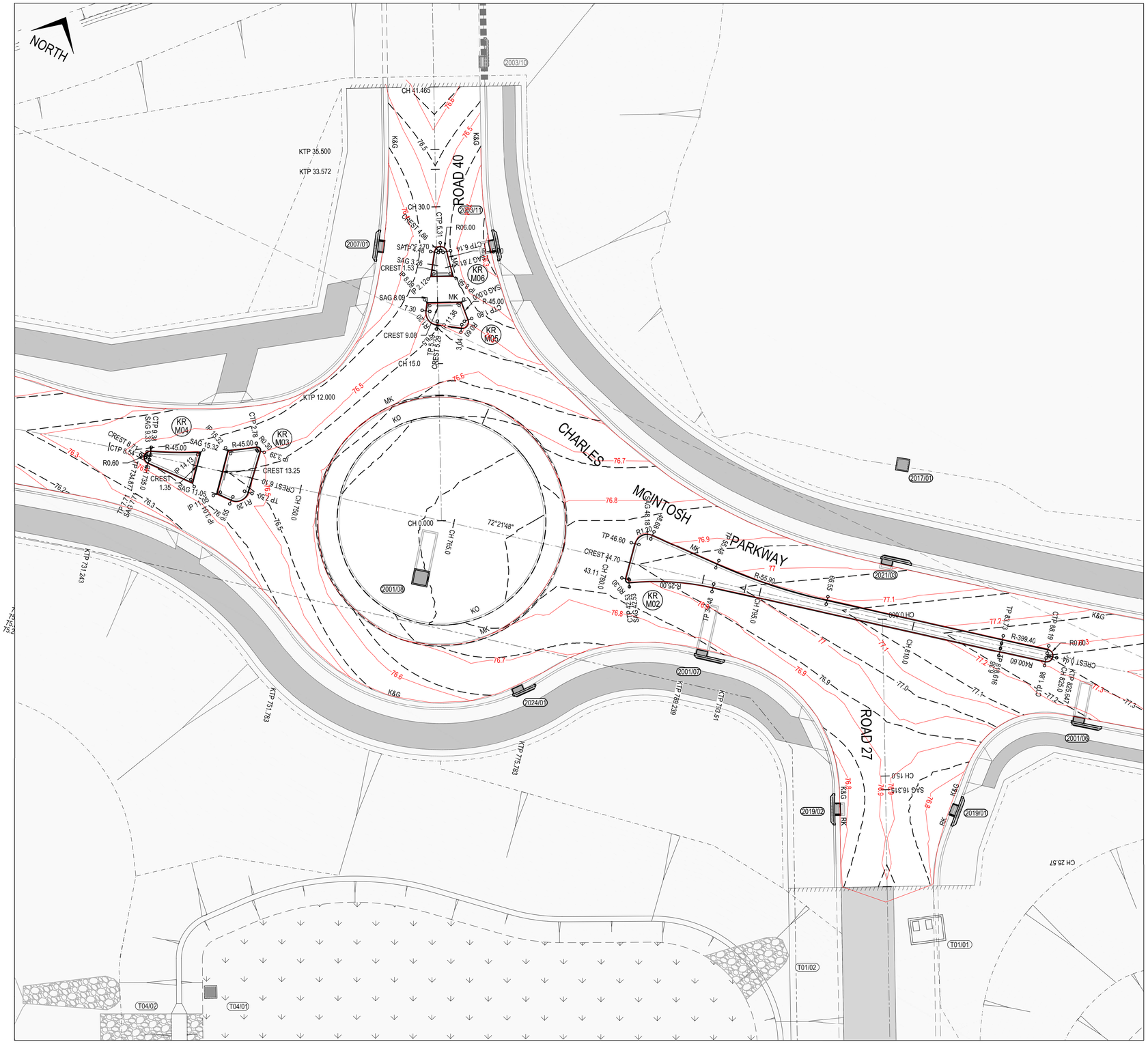
For: mirvac

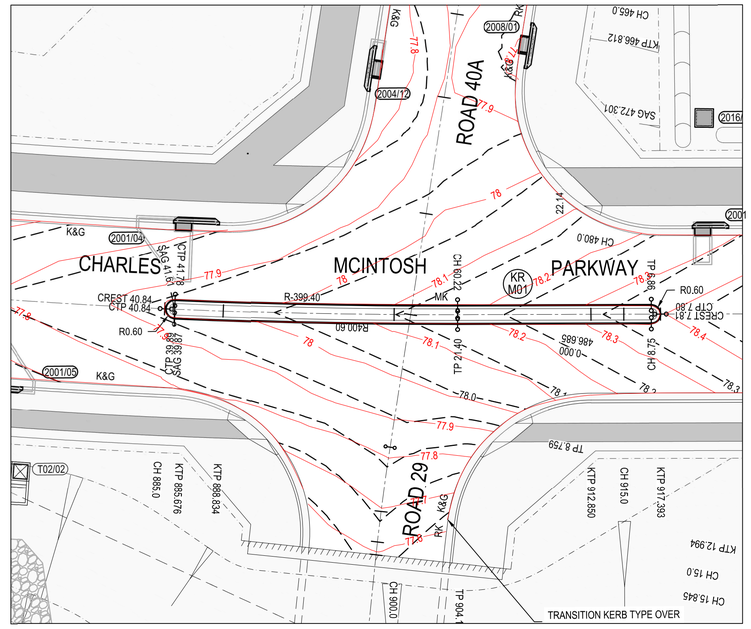
By: ORION
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@theoriongroup.au

Project: 589, 591 & 593 COBBITTY ROAD, COBBITTY (TRANCHE 4, STAGE 3a.) ROAD & DRAINAGE DESIGN

Title: ROUNDABOUT SPLITTER ISLAND PROFILES

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	411	B





KERB RETURN M01 - PLAN VIEW

SCALE 1:200

CAMDEN COUNCIL
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APPROVAL

02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title: SPLITTER ISLAND PLAN

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	420	B

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

22/03/2024

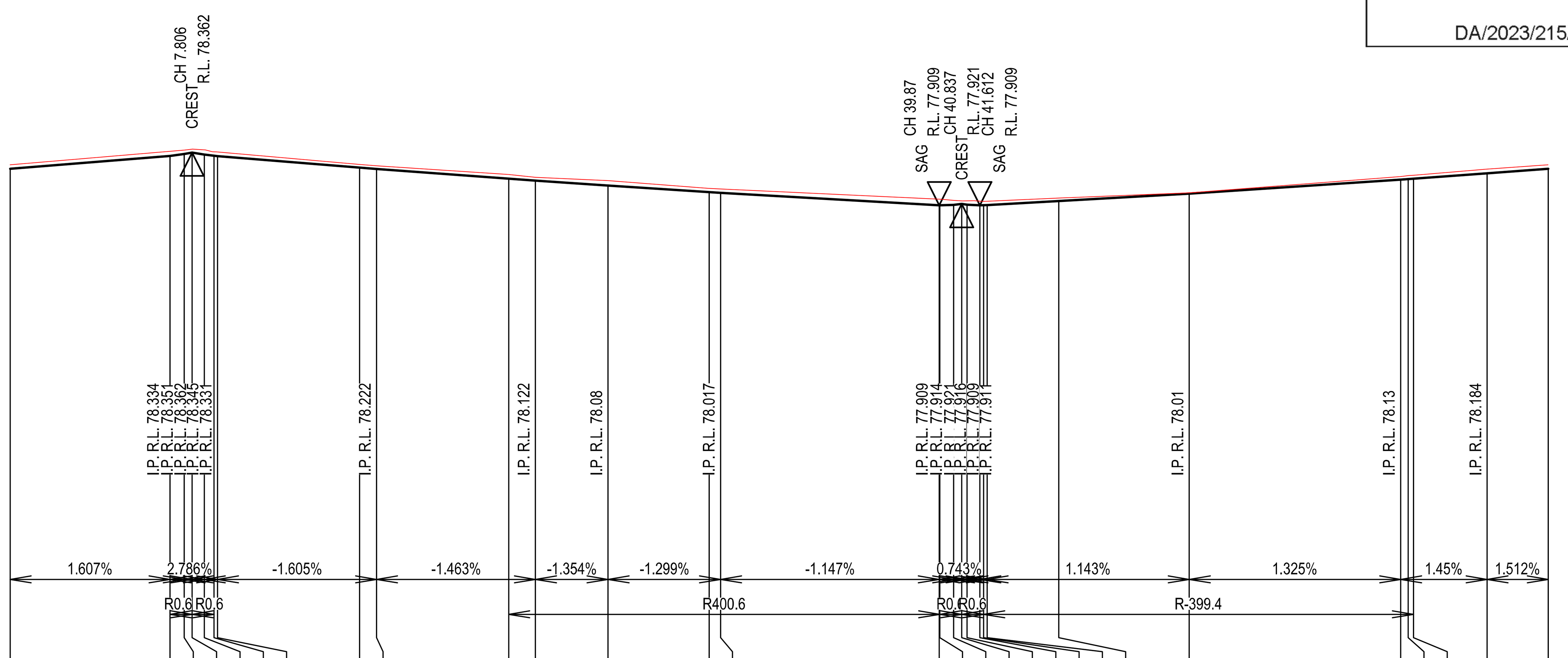
SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

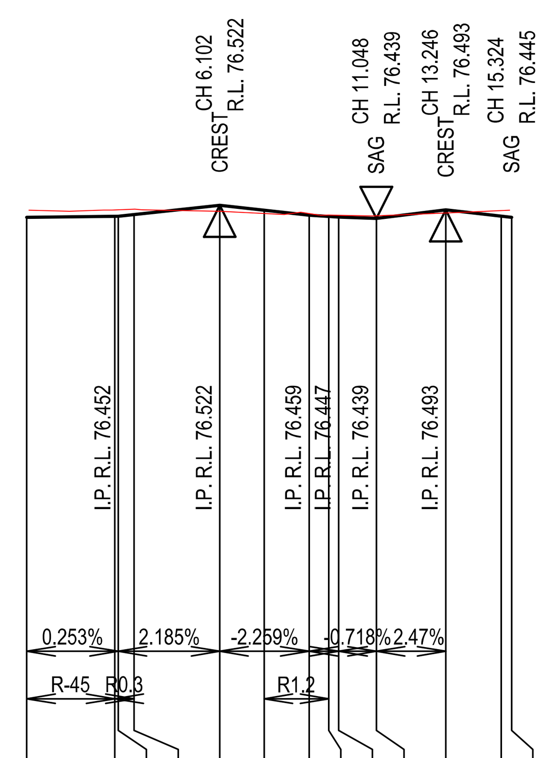
REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:
- MOUNTABLE KERBS ARE SET OUT TO THE NOMINAL KERB LINE.



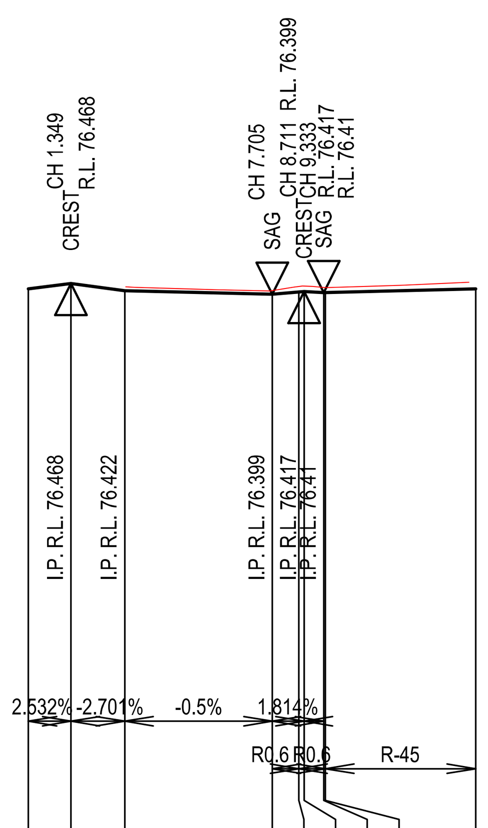
W.A.E.	78.25	78.37	78.38	78.39	78.38	78.37	78.37	78.26	78.25	78.17	78.15	78.12	78.05	78.05		77.96	77.95		77.95	77.95	77.94	77.94	77.97	78.02	78.15	78.16	78.17	78.22	78.25
DESIGN LEVEL	78.223	78.334	78.351	78.362	78.345	78.335	78.331	78.233	78.222	78.139	78.122	78.08	78.023	78.017	77.909	77.909	77.914	77.921	77.916	77.909	77.91	77.911	77.946	78.01	78.13	78.135	78.138	78.184	78.223
CHAINAGE	0	6.862	7.471	7.805	8.333	8.747	8.899	15	15.725	21.396	22.542	25.66	30	30.488	39.87	39.894	40.488	40.837	41.066	41.612	41.779	41.928	45	50.602	59.672	60	60.222	63.383	66.009

KERB RETURN M01
SCALE 1:200 (H)
SCALE 1:40 (V)



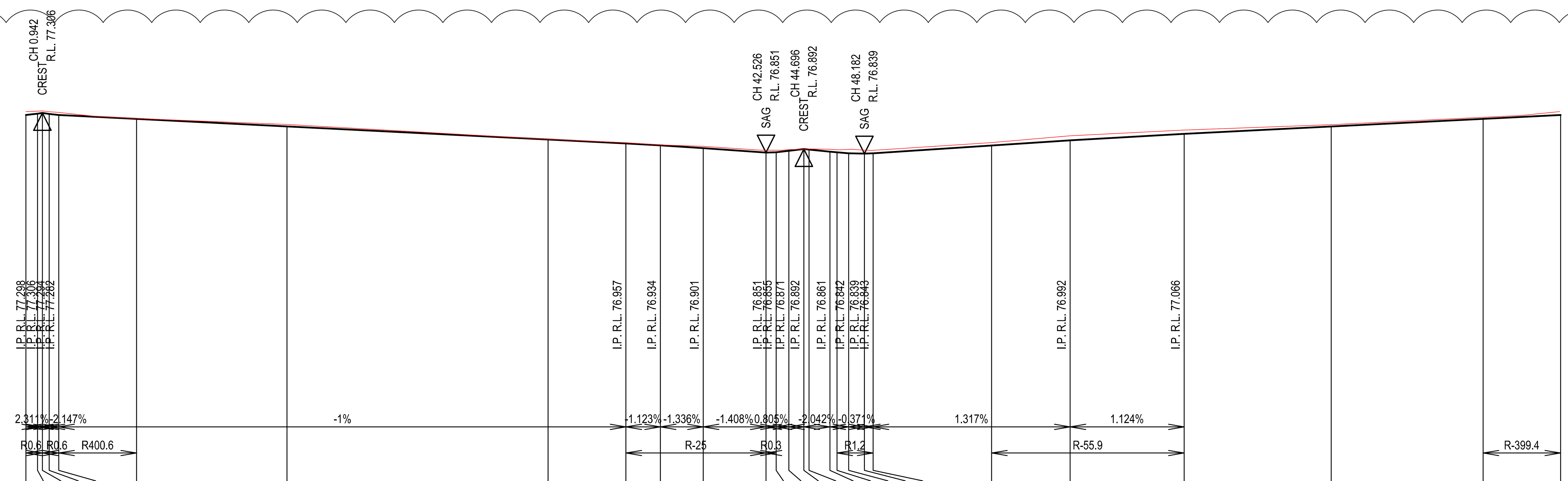
W.A.E.	76.49	76.49		76.49	76.48	76.47	76.47	76.46	76.46	76.45	76.47	76.49	76.49
DESIGN LEVEL	76.445	76.452	76.452	76.463	76.522	76.491	76.459	76.451	76.447	76.439	76.493	76.452	76.445
CHAINAGE	0	2.785 2.44	2.893	3.394 3.42	6.102	7.505 7.29	8.925	9.547	9.861	11.048	13.246	15	15.324

KERB RETURN M03
SCALE 1:200 (H)
SCALE 1:40 (V)



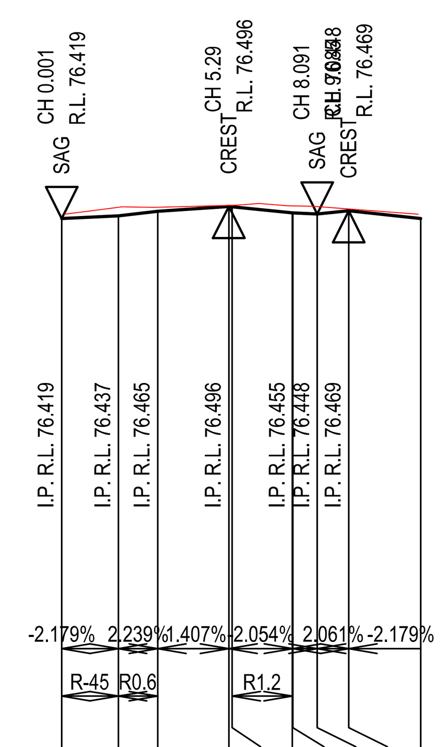
W.A.E.			76.44	76.42	76.44	76.45	76.44	76.44	76.45	76.47
DESIGN LEVEL	76.434	76.468	76.422	76.399	76.414	76.417	76.41	76.41		76.434
CHAINAGE	0	1.349	3.044	7.705 7.85	8.544 8.40	8.711	9.333	9.383	11.75	14.128

KERB RETURN M04
SCALE 1:200 (H)
SCALE 1:40 (V)



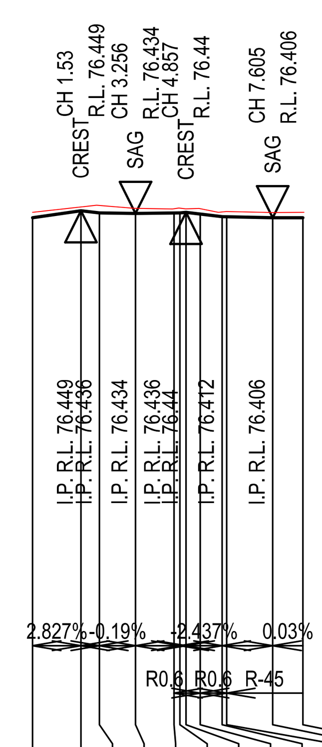
W.A.E.	77.32	77.33	77.33	77.32	77.31	77.24	77.17	77.00	76.96	76.94	76.92	76.88	76.88	76.88	76.89	76.89	76.89	76.88	76.89	76.88	76.87	76.96	77.04	77.11	77.17	77.26	77.32
DESIGN LEVEL	77.282	77.298	77.306	77.294	77.282	77.238	77.151	77.001	76.957	76.934	76.901	76.851	76.855	76.871	76.892	76.886	76.861	76.854	76.842	76.839	76.843	76.933	76.992	77.066	77.151	77.238	77.282
CHAINAGE	0	0.667	0.942	1.333	1.885	6.356	15	30	34.475	36.455	38.916	42.526 42.24	43.107 43.47	43.833	44.696	45	46.2	46.603 46.74	47.273 47.48	48.182 48.24	48.676 48.63	55.483	60	66.554	75	83.729	88.187

KERB RETURN M02
SCALE 1:200 (H)
SCALE 1:40 (V)



W.A.E.	76.45	76.47 76.49	76.49		76.50	76.50		76.50		76.45
DESIGN LEVEL	76.419	76.437	76.465	76.496	76.494	76.455	76.455	76.448	76.469	76.419
CHAINAGE	0	0.90 1.91 1.796	3.038 2.92	5.29	5.393 5.51	7.303 7.13	7.314	8.091	9.085	11.361

KERB RETURN M05
SCALE 1:200 (H)
SCALE 1:40 (V)



W.A.E.	76.44		76.48	76.46	76.46	76.47	76.46	76.46	76.44	76.44	76.44	76.44
DESIGN LEVEL	76.406	76.449	76.436	76.434	76.436	76.436	76.44	76.429	76.412	76.412	76.406	76.406
CHAINAGE	0	1.53	2.119	3.256	4.479	4.667	4.857	5.311	6	6.143	7.605	8.56

KERB RETURN M06
SCALE 1:200 (H)
SCALE 1:40 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 0.4 0.8 1.2 1.6 2 2.4 2.8 3.2 3.6 4
SCALE 1:40 (A1) SCALE 1:80 (A3)
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: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
SPLITTER ISLAND PROFILES

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	421	G

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

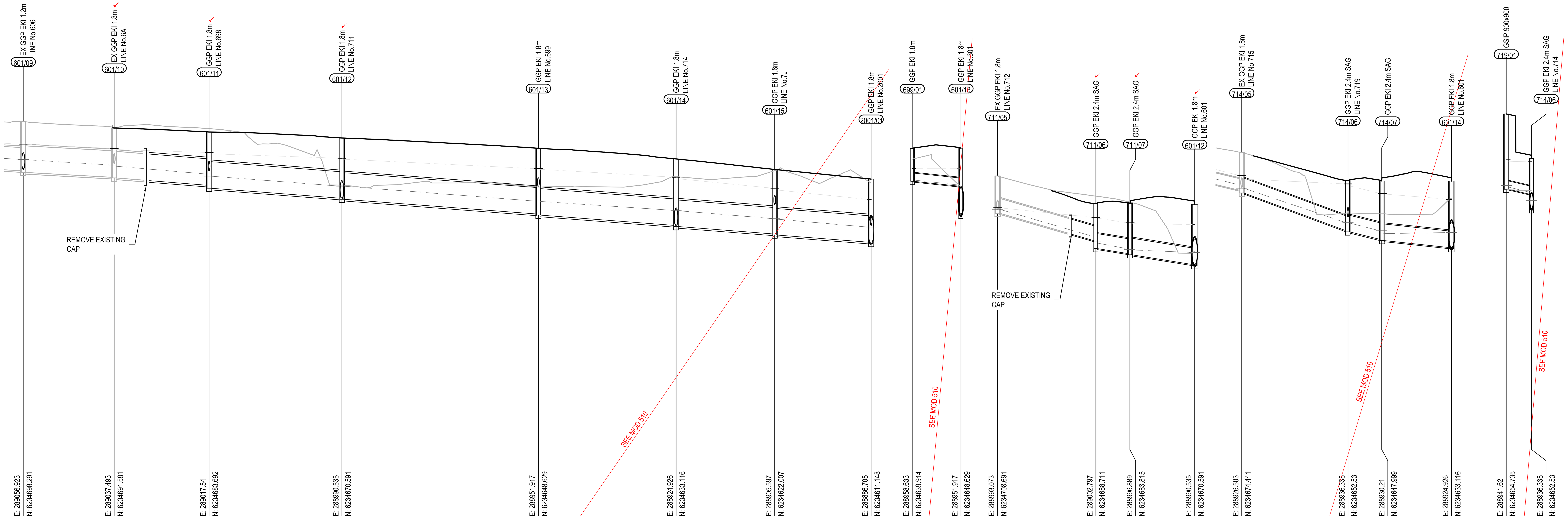
REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:
STORMWATER LONGITUDINAL SECTIONS REFLECT ULTIMATE PIT AND PIPE NETWORK. HYDROLOGY DOCUMENTED IS BASED ON ULTIMATE STORM EVENT = 5 YEAR ARI

LEGEND

Item	Line type
EXISTING SURFACE	light grey solid line
DESIGN SURFACE	heavy solid line
INTERIM SURFACE	thin solid line
5yr HGL	dashed line
100yr HGL	light dashed line
DESIGN PIPE AND PIT	solid line
DESIGN TEMPORARY PIPE AND PIT	solid line
EXISTING PIPE AND PIT	grey solid line
FUTURE PIPE AND PIT	dashed line

G (revision triangle)



LINE 601

DATUM R.L 60.0

Pit	E	N	DEPTH TO INVERT	5 YR HGL LEVEL	INVERT LEVEL	SURFACE LEVEL	ROAD CHAINAGE	PIPE CHAINAGE
601/09	289056.923	6234698.291	2.22 / 2.3	80.63 / 80.62	80.12 / 80.04	82.34	1187.71	138.69
601/10	289037.493	6234691.581	2.28 (red) 2.23 / 2.26 2.30 (red)	80.37 / 80.32	79.81 (red) 79.82 / 79.79 79.79 (red)	82.05, 82.09 LIP (red)	1167.43	159.25
601/11	289017.54	6234683.692	2.42 (red) 2.41 / 2.54 2.57 (red)	79.96 / 79.87	79.49 (red) 79.46 / 79.32 79.34 (red)	81.87, 81.91 LIP (red)	1146.27	180.7
601/12	288990.535	6234670.591	2.77 (red) 2.73 / 2.78 2.84 (red)	79.42	78.88 (red) 78.87 / 78.82 78.81 (red)	81.6, 81.65 LIP (red)	1116.67	210.72
601/13	288951.917	6234648.629	2.98 / 3.03	78.74 / 78.73	78.16 / 78.11	81.13	1072.43	255.14
601/14	288924.926	6234633.116	3.01 / 3.06	78.32 / 78.31	77.64 / 77.59	80.65	1041.29	286.27
601/15	288905.597	6234622.007	2.92 / 2.97	77.95 / 77.93	77.26 / 77.21	80.17	1019	308.57
2001/01	288886.705	6234611.148	2.86 / 2.91	77.56 / 77.55	76.88 / 76.83	79.74	997.21	330.36

Segment	PIPE MAX. VELOCITY (m/s)	DISCHARGE (cu.m/s)	PIPE SIZE (mm) & CLASS	DESIGN GRADE	PIPE LENGTH
601/09–601/10	3.58	1.89	1200EX RRJ2	1.07%	20.56
601/10–601/11	4.15	1.94	✓ 1200RRJ2	1.38% (red) 1.55%	21.75 (red) 21.46
601/11–601/12	4	1.97	✓ 1200RRJ2	1.57% (red) 1.5%	29.23 (red) 30.02
601/12–601/13	4.33	2.35	1200RRJ2	1.5%	44.43
601/13–601/14	3.89	2.37	1200RRJ2	1.5%	31.13
601/14–601/15	4.42	2.99	1200RRJ2	1.5%	22.29
601/15–2001/01	4.52	3.1	1200RRJ2	1.5%	21.79

LINE 699

DATUM R.L 60.0

Pit	E	N	DEPTH TO INVERT	5 YR HGL LEVEL	INVERT LEVEL	SURFACE LEVEL	ROAD CHAINAGE	PIPE CHAINAGE
699/01	288958.633	6234639.914	1.49	79.69	79.64	81.13	1073.91	0
601/13	288951.917	6234648.629	1.72 / 3.03	79.47 / 78.73	79.42 / 78.11	81.13	1072.43	11

Segment	PIPE MAX. VELOCITY (m/s)	DISCHARGE (cu.m/s)	PIPE SIZE (mm) & CLASS	DESIGN GRADE	PIPE LENGTH
699/01–601/13	1.21	0.01	375RRJ2	2%	11

LINE 711

DATUM R.L 63.0

Pit	E	N	DEPTH TO INVERT	5 YR HGL LEVEL	INVERT LEVEL	SURFACE LEVEL	ROAD CHAINAGE	PIPE CHAINAGE
711/05	288993.073	6234708.691	1.61 / 1.69	81.48 / 81.37	81.27 / 81.19	82.88	-38.58	68.57
711/06	289002.797	6234688.711	1.63 (red) 1.68 / 2.04 2.15 (red)	80.13 / 79.84	80.08 (red) 79.95 / 79.6 79.56 (red)	81.63, 81.71 LIP (red)	-16.37	90.79
711/07	288996.889	6234683.815	2.32 (red) 2.27 / 2.32 2.45 (red)	79.58 / 79.53	79.39 (red) 79.36 / 79.31 79.26 (red)	81.64, 81.71 LIP (red)	-14.34	98.46
601/12	288990.535	6234670.591	2.75 (red) 2.73 / 2.78 2.58 (red)	79.42	78.90 (red) 78.87 / 78.82 79.07 (red)	81.6, 81.65 LIP (red)	1116.67	113.13

Segment	PIPE MAX. VELOCITY (m/s)	DISCHARGE (cu.m/s)	PIPE SIZE (mm) & CLASS	DESIGN GRADE	PIPE LENGTH
711/05–711/06	4.51	0.34	675EX RRJ2	5.58%	22.22
711/06–711/07	2.92	0.37	✓ 675RRJ2	2.29% (red) 3%	7.43 (red) 7.67
711/07–601/12	2.15	0.39	✓ 750RRJ2	2.48% (red) 3%	14.53 (red) 14.67

LINE 714

DATUM R.L 61.0

Pit	E	N	DEPTH TO INVERT	5 YR HGL LEVEL	INVERT LEVEL	SURFACE LEVEL	ROAD CHAINAGE	PIPE CHAINAGE
714/05	288926.503	6234674.441	1.7 / 1.82	80.47 / 80.33	80.23 / 80.11	81.93	-38.74	59.85
714/06	288936.338	6234652.53	2.27 / 2.32	78.77 / 78.75	78.4 / 78.35	80.67	-17.35	83.86
714/07	288930.21	6234647.999	2.65 / 2.7	78.4 / 78.27	78.01 / 77.96	80.65	-15.53	91.48
601/14	288924.926	6234633.116	3.01 / 3.06	78.32 / 78.31	77.64 / 77.59	80.65	1041.29	107.28

Segment	PIPE MAX. VELOCITY (m/s)	DISCHARGE (cu.m/s)	PIPE SIZE (mm) & CLASS	DESIGN GRADE	PIPE LENGTH
714/05–714/06	4.6	0.56	675RRJ2	7.12%	24.02
714/06–714/07	3.44	0.63	750RRJ2	4.5%	7.62
714/07–601/14	2.25	0.64	750RRJ2	2%	15.79

LINE 719

DATUM R.L 60.0

Pit	E	N	DEPTH TO INVERT	5 YR HGL LEVEL	INVERT LEVEL	SURFACE LEVEL	ROAD CHAINAGE	PIPE CHAINAGE
719/01	288941.62	6234654.735	3.41	79.38	79.28	82.69	-17.35	0
714/06	288936.338	6234652.53	1.62 / 2.32	79.14 / 78.75	79.05 / 78.35	80.67	-17.35	5.72

Segment	PIPE MAX. VELOCITY (m/s)	DISCHARGE (cu.m/s)	PIPE SIZE (mm) & CLASS	DESIGN GRADE	PIPE LENGTH
719/01–714/06	1.55	0.05	375RRJ2	4%	5.72

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (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 CERTIFICATION ISO 9001 ISO 45001 ISO 14001
JAS-ANZ WWW.JAS-ANZ.ORG/REGISTER

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
DRAINAGE LONGITUDINAL SECTIONS
SHEET 01

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	510	G

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

02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

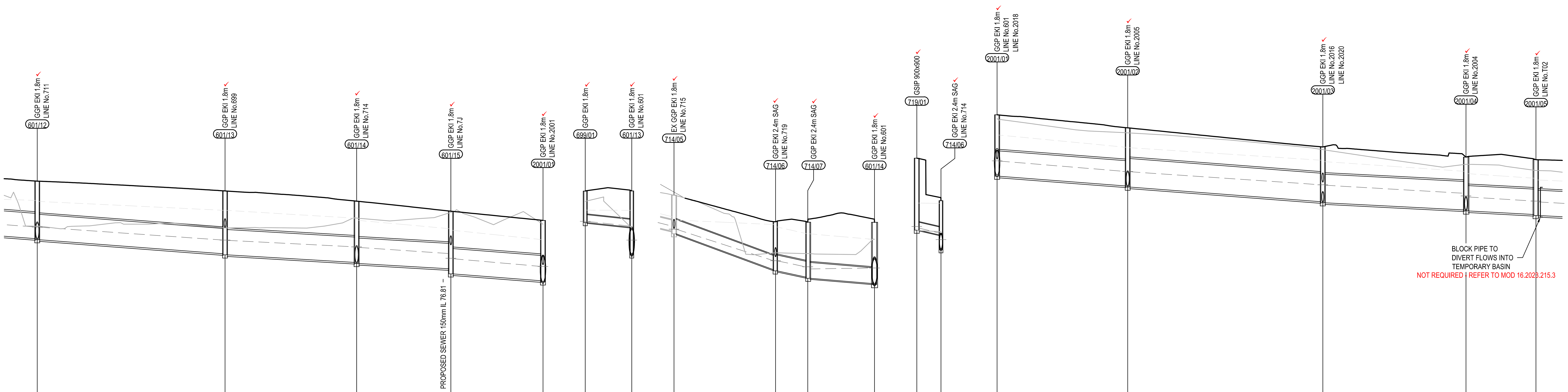
REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:

STORMWATER LONGITUDINAL SECTIONS REFLECT ULTIMATE PIT AND PIPE NETWORK. HYDROLOGY DOCUMENTED IS BASED ON ULTIMATE STORM EVENT = 5 YEAR ARI

LEGEND

EXISTING SURFACE	
DESIGN SURFACE	
INTERIM SURFACE	
5yr HGL	
100yr HGL	
DESIGN PIPE AND PIT	
DESIGN TEMPORARY PIPE AND PIT	
EXISTING PIPE AND PIT	
FUTURE PIPE AND PIT	



LINE 601

	601/12		601/13		601/14		601/15		2001/01
COORDINATES	E: 288990.535 N: 6234670.591		E: 288951.917 N: 6234648.629		E: 288924.926 N: 6234633.116		E: 288905.597 N: 6234622.007		E: 288886.705 N: 6234611.148
PIPE MAX. VELOCITY (m/s)		4		3.45		4.02		4.52	
DISCHARGE (cu.m/s)		2.35		2.37		2.99		3.09	
PIPE SIZE (mm) & CLASS		✓ 1200RRJ2		✓ 1200RRJ2		✓ 1200RRJ2		✓ 1200RRJ2	
DESIGN GRADE		1.88% 1.5%		0.92% 1.15%		1.08% 1.12%		1.69% 1.5%	
DATUM R.L	60.0								
DEPTH TO INVERT	2.50 2.73 | 2.78 2.58		2.98 2.98 | 3.03 3.07		2.88 2.9 | 2.95 2.95		2.72 2.72 | 2.97 2.96		2.87 2.86 | 2.91 2.94
5 YR HGL LEVEL	79.43 | 79.42		78.81 | 78.8		78.49 | 78.46		78.17 | 77.92		77.56 | 77.55
INVERT LEVEL	79.15 78.87 | 78.82 79.07		78.22 78.16 | 78.11 78.13		77.85 77.75 | 77.7 77.47 77.78		77.53 77.45 | 77.21 77.29		76.92 76.88 | 76.83 76.85
SURFACE LEVEL	81.6 81.65 LIP		81.13 81.20 LIP		80.65 80.73 LIP		80.17 80.25 LIP		79.74 79.79 LIP
ROAD CHAINAGE	1116.67		1072.43		1041.29		1019		997.21
PIPE CHAINAGE	210.72	45.26 44.43	255.14	30.29 31.13	286.27 20.46	23.09 22.29	308.57	21.84 21.79	330.36

LINE 699

	699/01		601/13
COORDINATES	E: 288958.633 N: 6234639.914		E: 288951.917 N: 6234648.629
PIPE MAX. VELOCITY (m/s)		1.21	
DISCHARGE (cu.m/s)		0.01	
PIPE SIZE (mm) & CLASS		✓ 375RRJ2	
DESIGN GRADE		0.99% 2%	
DATUM R.L	60.0		
DEPTH TO INVERT	1.49 1.55		1.70 1.72 | 3.03 3.07
5 YR HGL LEVEL	79.69		79.47 | 78.8
INVERT LEVEL	79.64 79.62		79.51 79.42 | 78.11 78.13
SURFACE LEVEL	81.13 81.17 LIP		81.13 81.21 LIP
ROAD CHAINAGE	1073.91		1072.43
PIPE CHAINAGE	0	11.14 11	11

LINE 714

	714/05		714/06		714/07		601/14
COORDINATES	E: 28899[illegible] N: 6234674.441		E: 288936.338 N: 6234652.53		E: 288930.21 N: 6234647.999		E: 288924.926 N: 6234633.116
PIPE MAX. VELOCITY (m/s)		4.44		3.26		2.07	
DISCHARGE (cu.m/s)		0.56		0.62		0.63	
PIPE SIZE (mm) & CLASS		✓ 675RRJ2		✓ 750RRJ2		✓ 750RRJ2	
DESIGN GRADE		6.77% 7.12%		2.59% 3.94%		1.36% 1.58%	
DATUM R.L	61.0						
DEPTH TO INVERT	1.7 | 1.82 1.83		2.37 2.27 | 2.32 2.44		2.60 2.6 | 2.65 2.75		2.93 2.9 | 2.95 2.96
5 YR HGL LEVEL	80.47 | 80.33		78.83 | 78.82		78.54 | 78.44		78.49 | 78.46
INVERT LEVEL	80.23 | 80.11 80.07		78.42 78.4 | 78.35 78.35		78.16 78.05 | 78 78.01		77.80 77.75 | 77.7 77.77
SURFACE LEVEL	81.93 81.90 LIP		80.67 80.79 LIP		80.65 80.76 LIP		80.65 80.73 LIP
ROAD CHAINAGE	-38.74		-17.35		-15.53		1041.29
PIPE CHAINAGE	59.85	24.39 24.02	83.86	7.35 7.62	91.48	15.41 15.79	107.28

LINE 719

	719/01		714/06
COORDINATES	E: 288941.62 N: 6234654.735		E: 288936.338 N: 6234652.53
PIPE MAX. VELOCITY (m/s)		1.55	
DISCHARGE (cu.m/s)		0.05	
PIPE SIZE (mm) & CLASS		✓ 375RRJ2	
DESIGN GRADE		3.23% 4%	
DATUM R.L	60.0		
DEPTH TO INVERT	3.41 3.44		1.71 1.62 | 2.32 2.44
5 YR HGL LEVEL	79.38		79.14 | 78.82
INVERT LEVEL	79.28 79.26		79.08 79.05 | 78.35 78.35
SURFACE LEVEL	82.69 82.70		80.67 80.79 LIP
ROAD CHAINAGE	-17.35		-17.35
PIPE CHAINAGE	0	5.57 5.72	5.72

LINE 2001

	2001/01		2001/02		2001/03		2001/04		2001/05
COORDINATES	E: 288886.705 N: 6234611.148		E: 288859.916 N: 6234595.752		E: 288819.899 N: 6234572.753		E: 288790.337 N: 6234556.228		E: 288784.403 N: 6234540.775
PIPE MAX. VELOCITY (m/s)		4.59		4.34		4.1		3.24	
DISCHARGE (cu.m/s)		3.12		3.57		3.68		4.11	
PIPE SIZE (mm) & CLASS		✓ 1200RRJ2		✓ 1350RRJ2		✓ 1350RRJ2		✓ (2x)1200RRJ2	
DESIGN GRADE		1.59% 1.5%		1.42% 1.5%		0.96% 1%		0.84% & 0.66% 1%	
DATUM R.L	55.0								
DEPTH TO INVERT	2.91 2.94		2.81 2.75 | 2.8 2.87		2.62 2.59 | 2.64 2.67		2.52 2.5 | 2.55 2.61 2.64		2.61 2.59 | 2.64 2.62
5 YR HGL LEVEL	77.55		77.06 | 77.04		76.42 | 76.41		76.02 | 75.85		75.66 | 75.61
INVERT LEVEL	76.83 76.85		76.37 76.37 | 76.32 76.31		75.65 75.62 | 75.57 75.59		75.26 75.24 | 75.19 75.17 75.14		75.03 75.02 | 74.97 75.02
SURFACE LEVEL	79.74 79.79 LIP		79.12 79.18 LIP		78.21 78.26 LIP		77.74 77.78 LIP		77.61 77.64 LIP
ROAD CHAINAGE	997.21		966.31		920.16		886.03		873.84
PIPE CHAINAGE	0	30.13 30.9	30.9	46.58 46.15	77.05	34.25 33.87	110.92	16.64 16.55	127.47

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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For: mirvac

By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
DRAINAGE LONGITUDINAL SECTIONS
SHEET 01

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	510	B

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

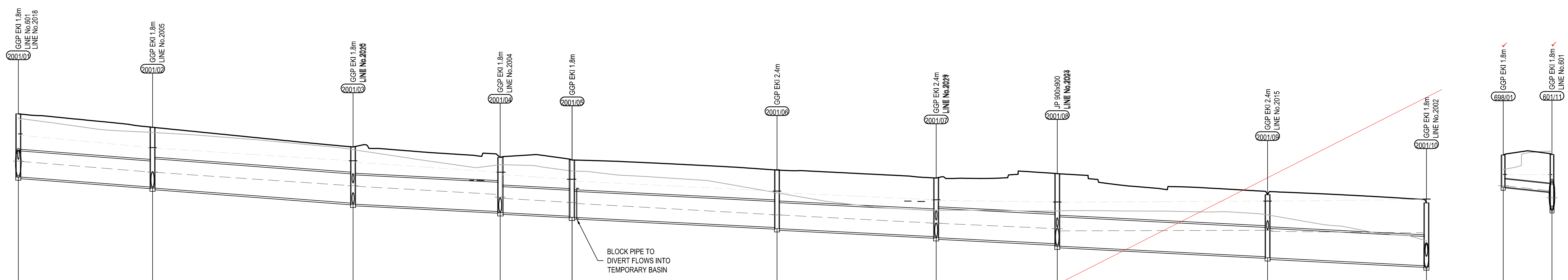
DA/2023/215/1 SWC.16.2023.215.1

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:

STORMWATER LONGITUDINAL SECTIONS REFLECT ULTIMATE PIT AND PIPE NETWORK. HYDROLOGY DOCUMENTED IS BASED ON ULTIMATE STORM EVENT = 5 YEAR ARI

LEGEND	
EXISTING SURFACE	
DESIGN SURFACE	
INTERIM SURFACE	
5yr HGL	
100yr HGL	
DESIGN PIPE AND PIT	
DESIGN TEMPORARY PIPE AND PIT	
EXISTING PIPE AND PIT	
FUTURE PIPE AND PIT	



LINE 2001

	2001/01	2001/02	2001/03	2001/04	2001/05	2001/06	2001/07	2001/08	2001/09	2001/10
E	288886.705	288859.916	288819.899	288790.337	288784.403	288740.73	288705.845	288679.368	288633.403	288600.736
N	6234611.148	6234595.752	6234572.753	6234556.228	6234540.775	6234522.937	6234511.75	6234503.013	6234487.825	6234471.387
DEPTH TO INVERT	2.91	2.75 / 2.8	2.59 / 2.64	2.5 / 2.55	2.59 / 2.64	2.67 / 2.72	2.7 / 2.75	3.23 / 3.35	2.86 / 2.91	2.9 2.96 / 1.9
5 YR HGL LEVEL	77.55	77.06 / 77.05	76.43 / 76.41	76.02 / 75.85	75.66 / 75.62	75.09 / 75.08	74.7	74.45 / 74.35	74.37 / 74.33	74.25
INVERT LEVEL	76.83	76.37 / 76.32	75.62 / 75.57	75.24 / 75.19	75.02 / 74.97	74.5 / 74.45	74.08 / 74.03	73.75 / 73.64	73.16 / 73.11	72.74 72.68 / 73.74
SURFACE LEVEL	79.74	79.12	78.21	77.74	77.61	77.17	76.78	76.99	76.02	75.64
ROAD CHAINAGE	997.21	966.31	920.16	886.03	873.84	827.29	790.78	762.9	714	676.56
PIPE CHAINAGE	0	30.9	77.05	110.92	127.47	174.65	211.28	239.16	287.57	324.14

DATUM R.L 57.0

Pipe	PIPE MAX. VELOCITY (m/s)	DISCHARGE (cu.m/s)	PIPE SIZE (mm) & CLASS	DESIGN GRADE	Length
2001/01 – 2001/02	4.6	3.12	1200RRJ2	1.5%	30.9
2001/02 – 2001/03	4.34	3.58	1350RRJ2	1.5%	46.15
2001/03 – 2001/04	4.12	3.69	1350RRJ2	1%	33.87
2001/04 – 2001/05	3.25	4.13	(2x)1200RRJ2	1%	16.55
2001/05 – 2001/06	3.43	4.15	(2x)1200RRJ2	1%	47.18
2001/06 – 2001/07	3.6	4.18	(2x)1200RRJ2	1%	36.63
2001/07 – 2001/08	3.52	4.74	(2x)1350RRJ2	1%	27.88
2001/08 – 2001/09	2.66	5.32	(2x)1350RRJ2	1%	48.41
2001/09 – 2001/10	1.89	5.36	(2x)1350RRJ2	1%	36.57

LINE 698

	698/01	601/11
E	289022.7	289017.54
N	6234673.726	6234683.692
DEPTH TO INVERT	1.48 1.57	1.72 1.73 / 2.54 2.57
5 YR HGL LEVEL	80.42	80.19 / 79.87
INVERT LEVEL	80.36 80.32	80.19 80.14 / 79.32 79.34
SURFACE LEVEL	81.85 81.89 LIP	81.87 81.91 LIP
ROAD CHAINAGE	1147	1146.27
PIPE CHAINAGE	0	11.22

DATUM R.L 61.0

Pipe	PIPE MAX. VELOCITY (m/s)	DISCHARGE (cu.m/s)	PIPE SIZE (mm) & CLASS	DESIGN GRADE	Length
698/01 – 601/11	1.22	0.01	375RRJ2	1.16% 2%	11.19 11.22

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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SCALE 1:500 (A1) SCALE 1:1000 (A3)
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (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 CERTIFICATION ISO 9001 ISO 45001 ISO 14001
JAS-ANZ WWW.JAS-ANZ.ORG/REGISTER

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
DRAINAGE LONGITUDINAL SECTIONS
SHEET 02

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	511	G

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

02/07/2024

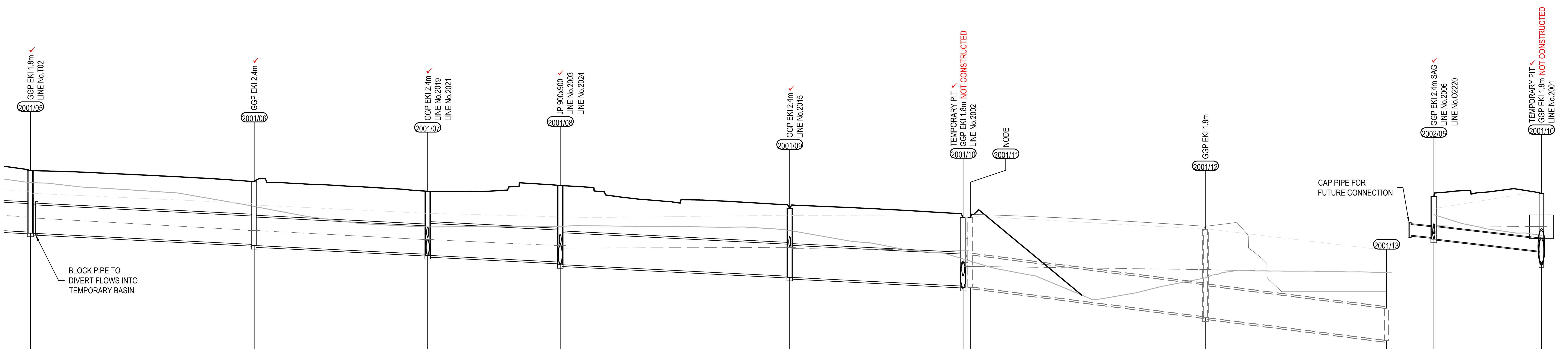
SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:
STORMWATER LONGITUDINAL SECTIONS REFLECT ULTIMATE PIT AND PIPE NETWORK. HYDROLOGY DOCUMENTED IS BASED ON ULTIMATE STORM EVENT = 5 YEAR ARI

LEGEND
- EXISTING SURFACE
- DESIGN SURFACE
- INTERIM SURFACE
- 5yr HGL
- 100yr HGL
- DESIGN PIPE AND PIT
- DESIGN TEMPORARY PIPE AND PIT
- EXISTING PIPE AND PIT
- FUTURE PIPE AND PIT



LINE 2001

DATUM R.L 55.0

Pit	Coordinates	Depth to Invert	5 YR HGL Level	Invert Level	Surface Level	Road Chainage	Pipe Chainage
2001/05	E: 288784.403 N: 6234540.775	2.61 / 2.59 | 2.64 / 2.62	75.66 | 75.61	75.03 / 75.02 | 74.97 / 75.02	77.61 / 77.64 LIP	873.84	127.47
2001/06	E: 288740.73 N: 6234522.937	2.61 / 2.63 / 2.67 | 2.72 / 2.71 / 2.74	75.09 | 75.08	74.56 / 74.54 / 74.5 | 74.45 / 74.46 / 74.43	77.17 / 77.17 LIP	827.29	174.65
2001/07	E: 288706.358 N: 6234510.339	2.68 / 2.70 / 2.66 | 2.71 / 2.77 / 2.75	74.7	74.09 / 74.07 / 74.08 | 74.03 / 74.00 / 74.02	76.74 / 76.77 LIP	790.84	211.26
2001/08	E: 288679.368 N: 6234503.013	3.24 / 3.22 / 3.23 | 3.35 / 3.33	74.45 | 74.34	73.75 / 73.77 / 73.75 | 73.64 / 73.66	76.99 / 76.99	762.9	239.22
2001/09	E: 288633.403 N: 6234487.825	2.90 / 2.86 | 2.91 / 2.96 / 2.99	74.37 | 74.32	73.16 / 73.16 | 73.11 / 73.10 / 73.07	76.02 / 76.06 LIP	714	287.63
2001/10	E: 288600.736 N: 6234471.387	2.9 / 2.96 | 1.9	74.25	72.72 / 72.74 / 72.68 | 73.74	75.64	676.56	324.2
2001/11	E: 288599.433 N: 6234470.598	1.89 | 2.94	73.74 | 73.57	73.74 | 72.69	75.63	675	325.73
2001/12	E: 288559.934 N: 6234440.638	3.67 | 3.72	73.43 | 73.42	71.45 | 71.4	75.12	624.2	375.3
2001/13	E: 288563.218 N: 6234402.574	1.35 | 1.35	73.32	70.45 | 70.45	71.8		413.51

Pipe	Pipe Max. Velocity (m/s)	Discharge (cu.m/s)	Pipe Size (mm) & Class	Design Grade	Pipe Length
2001/05 – 2001/06	3.42	4.13	✓ (2x)1200RRJ2	0.98% & 1.02% / 1%	47.10 / 47.18
2001/06 – 2001/07	3.59	4.16	✓ (2x)1200RRJ2	1.01% & 0.98% / 1%	36.60 / 36.61
2001/07 – 2001/08	3.51	4.72	✓ (2x)1350RRJ2	0.90% / 1%	27.70 / 27.97
2001/08 – 2001/09	2.66	5.29	✓ (2x)1350RRJ2	1.03% / 1%	48.55 / 48.41
2001/09 – 2001/10	1.88	5.33	✓ (2x)1350RRJ2	1.04% & 0.95% / 1%	36.71 / 36.57
2001/10 – 2001/11	2.44	3.11	5000x1000WEIR	-0.01%	1.52
2001/11 – 2001/12	1.42	3.24	(2x)1350RRJ2	2.5%	49.58
2001/12 – 2001/13	1.13	3.24	(2x)1350RRJ2	2.49%	38.21

LINE 2002

DATUM R.L 54.0

Pit	Coordinates	Depth to Invert	5 YR HGL Level	Invert Level	Surface Level	Road Chainage	Pipe Chainage
2002/05	E: 288595.167 N: 6234493.379	1.80 | 1.8 / 1.85	74.28	73.78 | 73.72 / 73.73	75.52 / 75.58 LIP	920.25	0
2001/10	E: 288600.736 N: 6234471.387	1.80 / 2.43 / 2.96 | 1.9 / 1.85	74.25	73.31 / 73.21 / 72.68 | 73.74 / 73.73	75.64	676.56	22.69

Pipe	Pipe Max. Velocity (m/s)	Discharge (cu.m/s)	Pipe Size (mm) & Class	Design Grade	Pipe Length
2002/05 – 2001/10	1.73	0.23	✓ 525RRJ2	1.85% / 2.25%	22.75 / 22.69

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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0 1 2 3 4 5 6 7 8 9 10 SCALE 1:100 (A1) SCALE 1:200 (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

Project: 589, 591 & 593 COBBITTY ROAD, COBBITTY (TRANCHE 4, STAGE 3a.) ROAD & DRAINAGE DESIGN

Title: DRAINAGE LONGITUDINAL SECTIONS SHEET 02

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	511	B

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

02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

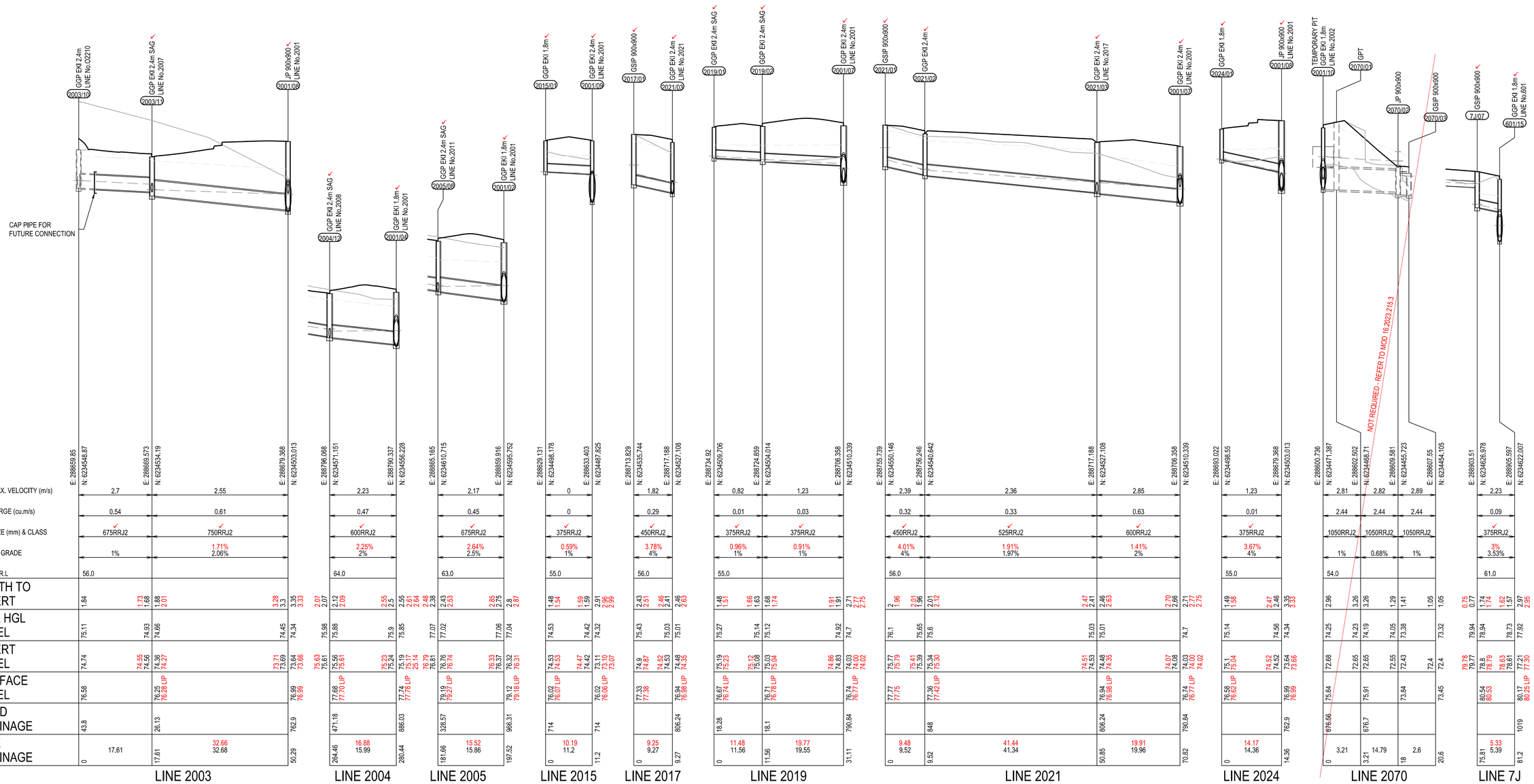
REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:

STORMWATER LONGITUDINAL SECTIONS REFLECT ULTIMATE PIT AND PIPE NETWORK. HYDROLOGY DOCUMENTED IS BASED ON ULTIMATE STORM EVENT = 5 YEAR ARI

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- INTERIM SURFACE
- 5yr HGL
- 100yr HGL
- DESIGN PIPE AND PIT
- DESIGN TEMPORARY PIPE AND PIT
- EXISTING PIPE AND PIT
- FUTURE PIPE AND PIT



ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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SCALE 1:500 (A1) SCALE 1:1000 (A3)
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
DRAINAGE LONGITUDINAL SECTIONS
SHEET 03

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	512	B

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:

STORMWATER LONGITUDINAL SECTIONS REFLECT ULTIMATE PIT AND PIPE NETWORK. HYDROLOGY DOCUMENTED IS BASED ON ULTIMATE STORM EVENT = 5 YEAR ARI

LEGEND

EXISTING SURFACE	
DESIGN SURFACE	
INTERIM SURFACE	
5yr HGL	
100yr HGL	
DESIGN PIPE AND PIT	
DESIGN TEMPORARY PIPE AND PIT	
EXISTING PIPE AND PIT	
FUTURE PIPE AND PIT	

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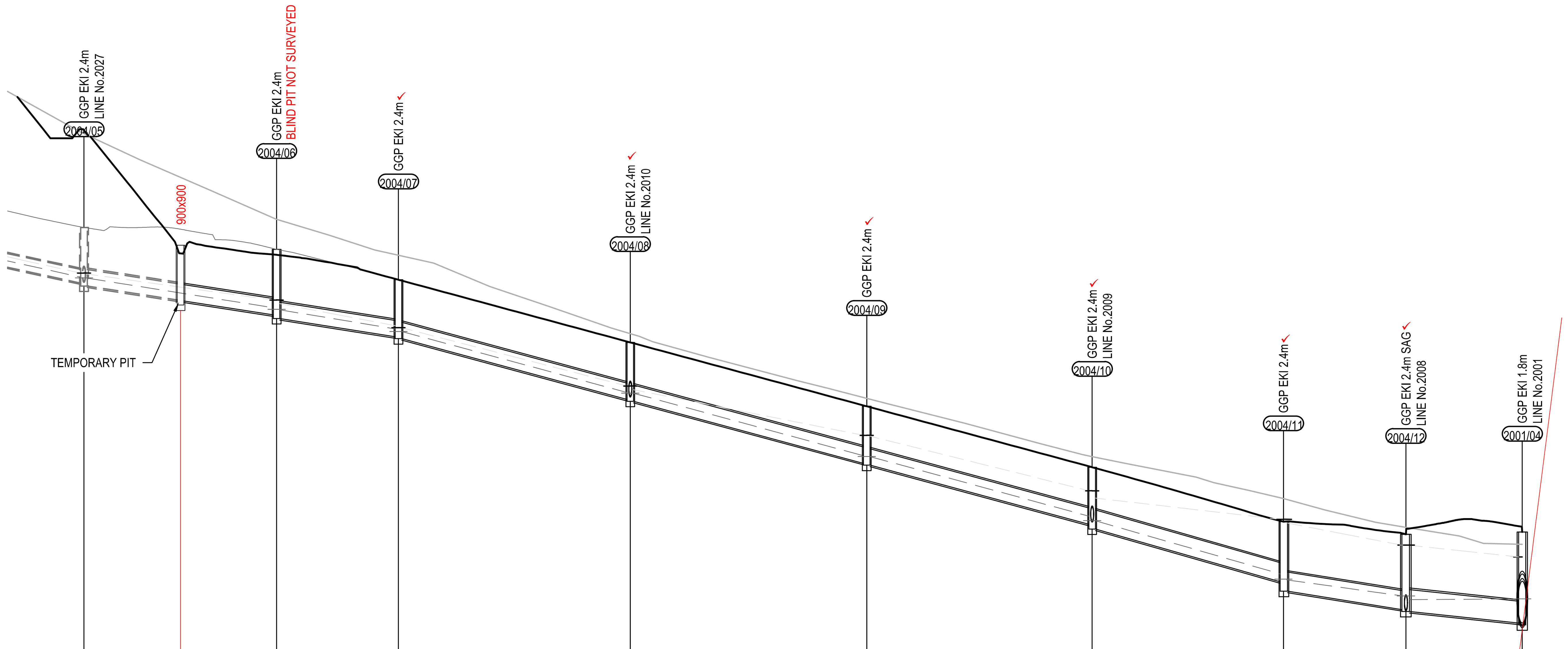

Pit	Coordinates	DEPTH TO INVERT	5 YR HGL LEVEL	INVERT LEVEL	SURFACE LEVEL	ROAD CHAINAGE	PIPE CHAINAGE
2004/05	E: 288738.235 N: 6234740.061	1.53 / 1.61	84.74 / 84.71	84.58 / 84.5	86.1	321.33	82.75
Temporary pit (900x900)		1.62		84.10	85.72		
2004/06	E: 288750.749 N: 6234716.727	1.8 / 1.9	83.9 / 83.84	83.7 / 83.6	85.5	319.6	109.22
2004/07	E: 288756.734 N: 6234701.086	1.58 1.57 / 1.62 1.70	83.32 / 83.25	83.12 83.1 / 83.05 83.00	84.67 84.70 LIP	335.76	125.97
2004/08	E: 288768.124 N: 6234671.321	1.58 1.57 / 1.62 1.72	81.57 / 81.55	81.42 81.38 / 81.33 81.28	82.95 83.00 LIP	367.63	157.84
2004/09	E: 288779.739 N: 6234640.967	1.62 1.57 / 1.62 1.75	79.83 / 79.81	79.66 79.62 / 79.57 79.53	81.19 81.28 LIP	400.13	190.34
2004/10	E: 288790.812 N: 6234612.027	1.57 1.57 / 1.7 1.77	78.17 / 78.05	77.99 77.95 / 77.82 77.79	79.52 79.56 LIP	431.12	221.33
2004/11	E: 288800.208 N: 6234587.473	1.65 1.65 / 1.91 2.04	76.59 / 76.42	76.41 76.37 / 76.11 76.02	78.02 78.06 LIP	457.41	247.62
2004/12	E: 288796.068 N: 6234571.151	2.07 2.07 / 2.12 2.09	75.98 / 75.88	75.63 75.61 / 75.56 75.61	77.68 77.70 LIP	471.18	264.46
2001/04	E: 288790.337 N: 6234556.228	2.5 / 2.55	75.9 / 75.85	75.24 / 75.19	77.74	886.03	280.44

Pipe	PIPE MAX. VELOCITY (m/s)	DISCHARGE (cu.m/s)	PIPE SIZE (mm) & CLASS	DESIGN GRADE	PIPE LENGTH
2004/05 – 2004/06	3.13	0.23	450RRJ2 450	3%	26.48
2004/06 – 2004/07	3.15	0.27	450RRJ2	3%	16.75
2004/07 – 2004/08	4.25	0.28	✓ 450RRJ2	4.97% 5.24%	31.80 31.87
2004/08 – 2004/09	4.35	0.33	✓ 450RRJ2	4.99% 5.25%	32.45 32.5
2004/09 – 2004/10	4.44	0.36	✓ 450RRJ2	4.96% 5.24%	31.07 30.99
2004/10 – 2004/11	4.67	0.41	✓ 525RRJ2	5.25% 5.51%	26.27 26.29
2004/11 – 2004/12	3.29	0.43	✓ 525RRJ2	2.45% 3%	15.90 16.84
2004/12 – 2001/04	2.24	0.47	600RRJ2	2%	15.99

DATUM R.L 64.0

LINE 2004

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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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 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (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 CERTIFICATION ISO 9001 ISO 45001 ISO 14001 JAS-ANZ WWW.JAS-ANZ.ORG/REGISTER

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
DRAINAGE LONGITUDINAL SECTIONS
SHEET 04

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	513	G

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:

STORMWATER LONGITUDINAL SECTIONS REFLECT ULTIMATE PIT AND PIPE NETWORK. HYDROLOGY DOCUMENTED IS BASED ON ULTIMATE STORM EVENT = 5 YEAR ARI

LEGEND

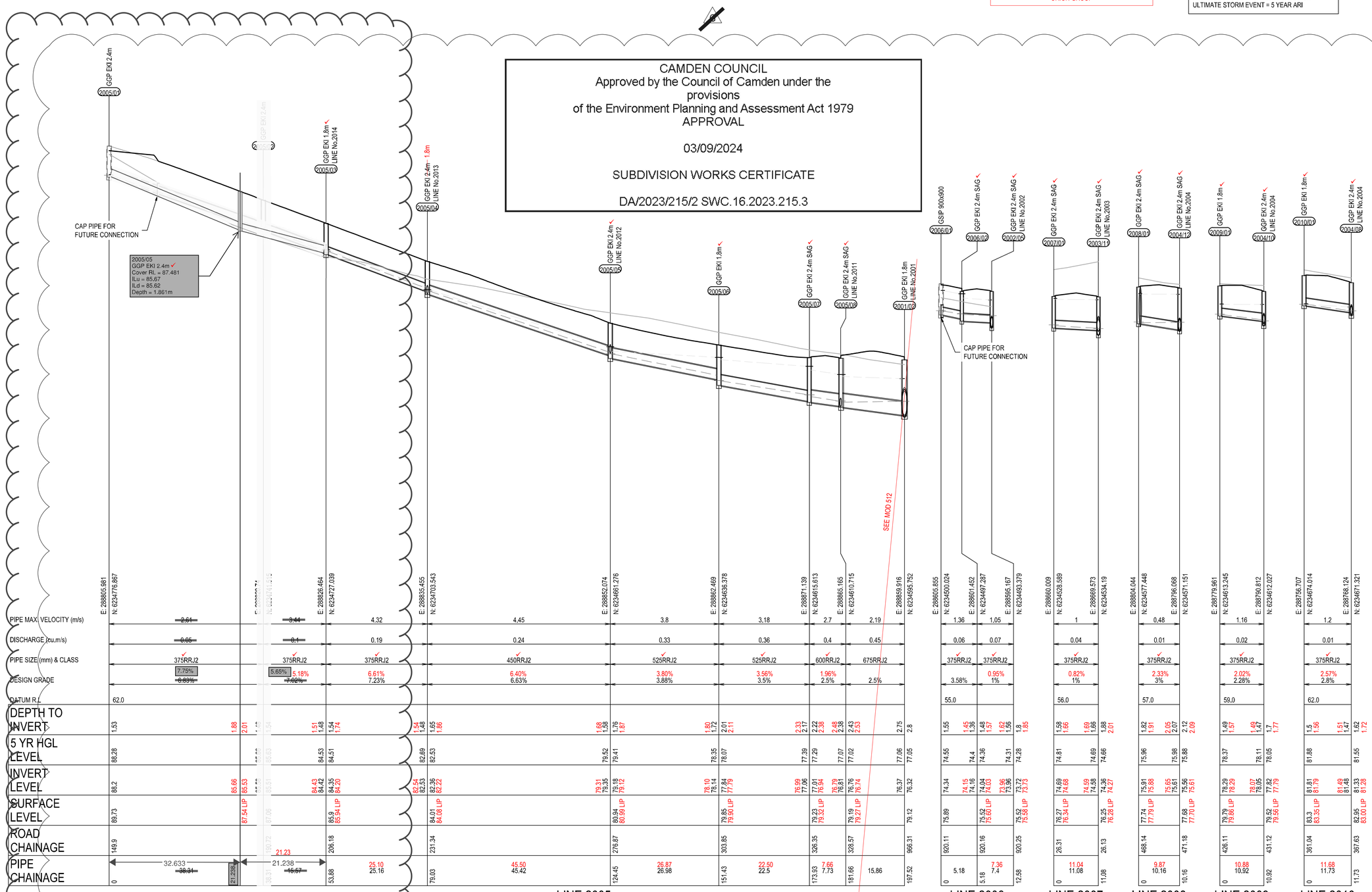
- EXISTING SURFACE
- DESIGN SURFACE
- INTERIM SURFACE
- 5yr HGL
- 100yr HGL
- DESIGN PIPE AND PIT
- DESIGN TEMPORARY PIPE AND PIT
- EXISTING PIPE AND PIT
- FUTURE PIPE AND PIT

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

03/09/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/2 SWC.16.2023.215.3



ISSUED FOR SUBDIVISION WORKS CERTIFICATE

H	AP	AP	WA	WA	16/07/2024	SWC MOD FOR ROAD 24 DRAINAGE NETWORK ADJUSTMENTS
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
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B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
Rev	Drawn	Design	Check	Appd.	Date	Revision Description

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Scale:
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SCALE 1:100 (A1) SCALE 1:200 (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

Project: 589, 591 & 593 COBBITTY ROAD, COBBITTY (TRANCHE 4, STAGE 3a.) ROAD & DRAINAGE DESIGN

Title: DRAINAGE LONGITUDINAL SECTIONS SHEET 05

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	514	H

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

CAMDEN COUNCIL
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APPROVAL

03/09/2024

SUBDIVISION WORKS CERTIFICATE

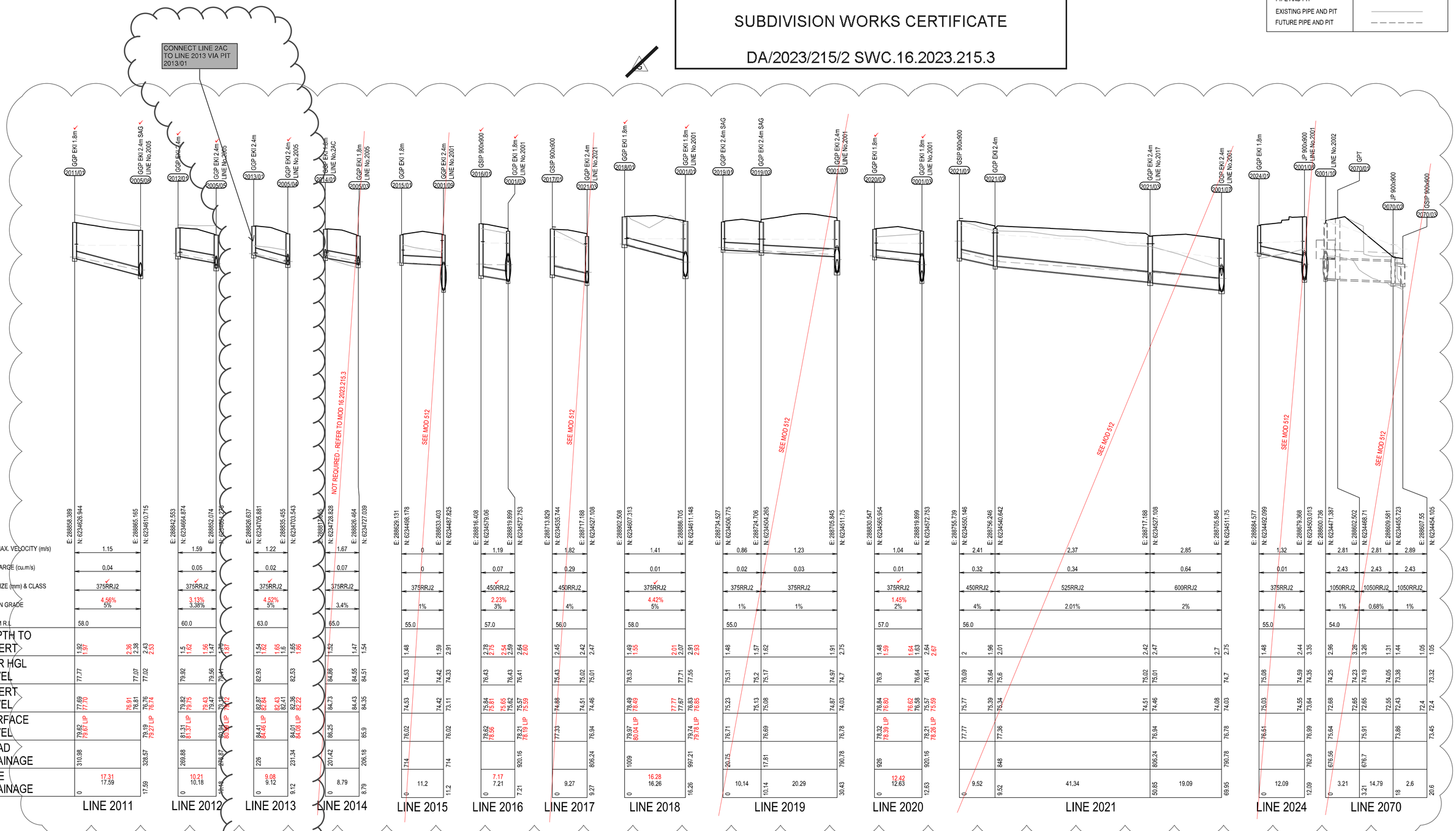
DA/2023/215/2 SWC.16.2023.215.3

NOTE:

STORMWATER LONGITUDINAL SECTIONS REFLECT ULTIMATE PIT AND PIPE NETWORK. HYDROLOGY DOCUMENTED IS BASED ON ULTIMATE STORM EVENT = 5 YEAR ARI

LEGEND

- EXISTING SURFACE
- DESIGN SURFACE
- INTERIM SURFACE
- 5yr HGL
- 100yr HGL
- DESIGN PIPE AND PIT
- DESIGN TEMPORARY PIPE AND PIT
- EXISTING PIPE AND PIT
- FUTURE PIPE AND PIT



ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
H	AP	AP	WA	WA	16/07/2024	SWC MOD FOR ROAD 24 DRAINAGE NETWORK ADJUSTMENTS
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
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B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
DRAINAGE LONGITUDINAL SECTIONS
SHEET 06

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	515	H

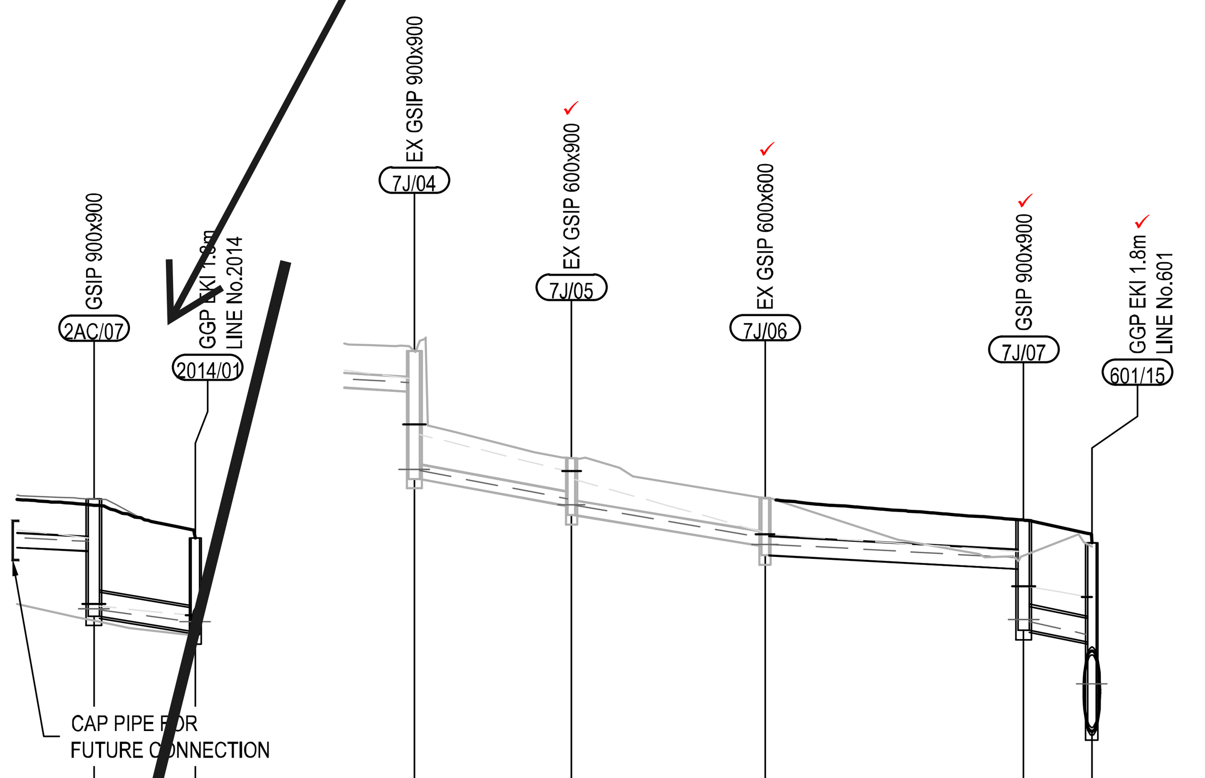
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:
STORMWATER LONGITUDINAL SECTIONS REFLECT ULTIMATE PIT AND PIPE NETWORK. HYDROLOGY DOCUMENTED IS BASED ON ULTIMATE STORM EVENT = 5 YEAR ARI

LEGEND

EXISTING SURFACE	
DESIGN SURFACE	
INTERIM SURFACE	
5yr HGL	
100yr HGL	
DESIGN PIPE AND PIT	
DESIGN TEMPORARY PIPE AND PIT	
EXISTING PIPE AND PIT	
FUTURE PIPE AND PIT	

Refer to new long section for updated Line 2AC

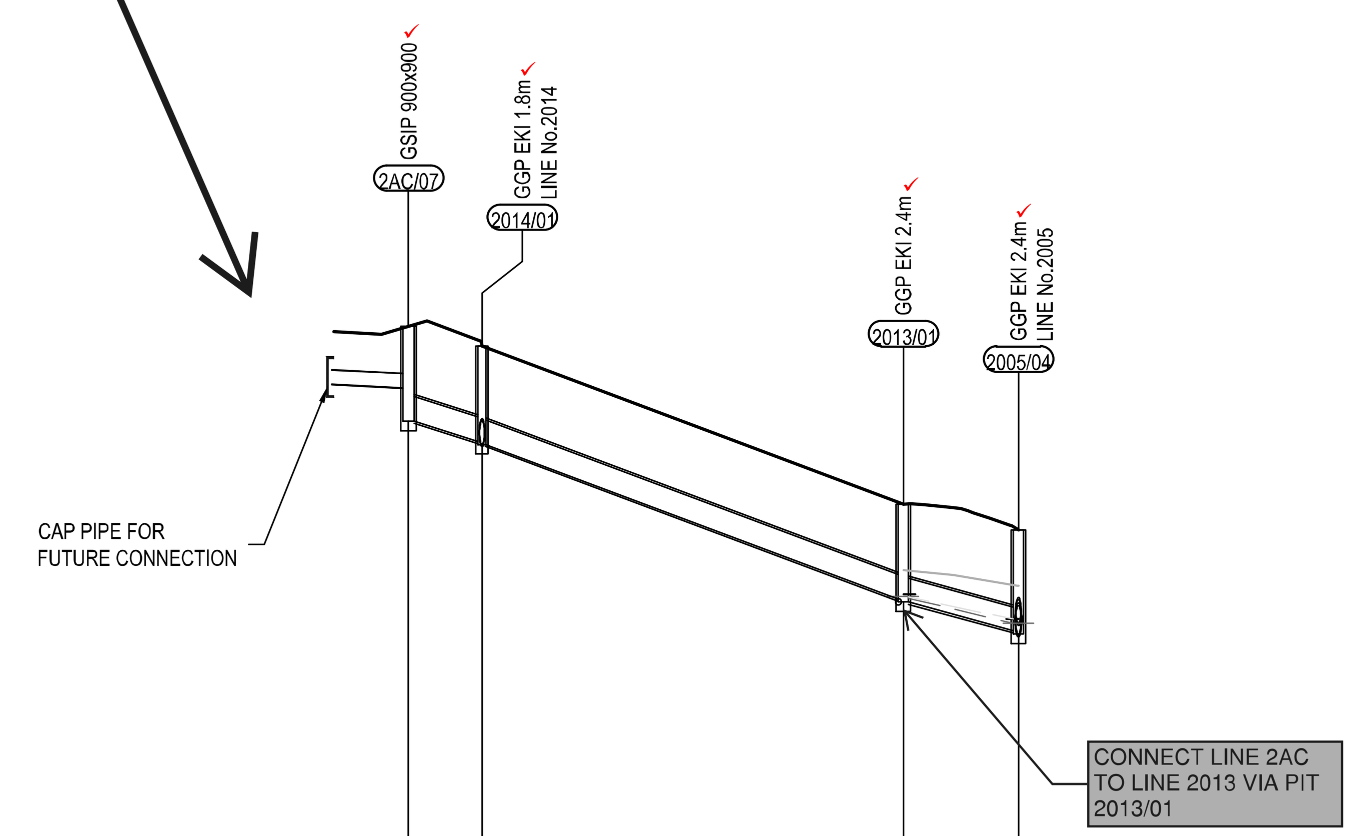


	2AC/07		2014/01
Coordinates	E: 288810.367 N: 6234725.914		E: 288817.855 N: 6234728.828
PIPE MAX. VELOCITY (m/s)		1.72	
DISCHARGE (cu.m/s)		0.05	
PIPE SIZE (mm) & CLASS		375RRJ2	
DESIGN GRADE		3%	
DATUM R.L	61.0		
DEPTH TO INVERT	0.82 / 1.85		1.47 / 1.52
5 YR HGL LEVEL	86.2 / 85.12		84.94 / 84.86
INVERT LEVEL	86.05 / 85.02		84.78 / 84.73
SURFACE LEVEL	86.87		86.25
ROAD CHAINAGE			[illegible]
PIPE CHAINAGE	74.79	8.03	82.83

LINE 2AC

	7J/04		7J/05		7J/06		7J/07		601/15
Coordinates	E: 288885.162 N: 6234671.572		E: 288889.955 N: 6234660.091		E: 288895.655 N: 6234645.87		E: 288903.51 N: 6234626.978		E: 288905.597 N: 6234622.007
PIPE MAX. VELOCITY (m/s)		2.09		2.29		1.71		2.23	
DISCHARGE (cu.m/s)		0.05		0.06		0.07		0.09	
PIPE SIZE (mm) & CLASS		225EX UPVC		✓ 225EX UPVC		✓ 300UPVC		✓ 375RRJ2	
DESIGN GRADE		3.46%		3.44% / 3.2%		1.26% / 1.04%		3% / 3.53%	
DATUM R.L	61.0								
DEPTH TO INVERT	0.64 / 2.02		0.76 / 0.9 / 0.88		0.78 / 0.75 / 0.9 / 0.88		0.75 / 0.77 / 1.74 / 1.74		1.62 / 1.57 / 2.97 / 2.95
5 YR HGL LEVEL	82.71 / 81.32		80.87 / 80.77		80.26 / 80.16		79.94 / 78.94		78.73 / 77.93
INVERT LEVEL	82.57 / 81.19		80.76 / 80.62 / 80.66		80.14 / 80.13 / 79.98 / 80.04		79.78 / 79.77 / 78.8 / 78.79		78.63 / 78.61 / 77.21 / 77.30
SURFACE LEVEL	83.21		81.52 / 81.54		80.88 / 80.92		80.54 / 80.53		80.17 / 80.25 LIP
ROAD CHAINAGE									1019
PIPE CHAINAGE	27.58	12.44	40.02	15.12 / 15.32	55.34	20.62 / 20.46	75.81	5.33 / 5.39	81.2

LINE 7J



	2AC/07		2014/01		2013/01		2005/04
Coordinates					E: 288826.637 N: 6234705.881		E: 288835.455 N: 6234703.543
PIPE SIZE (mm) & CLASS		✓ 375RRJ2		✓ 375RRJ2		✓ 375RRJ2	
DESIGN GRADE		3.93% / 5.51%		7.00% / 7.32%		4.52% / 5%	
DATUM R.L	67.0						
PIPE CHAINAGE	0	6.05 / 5.81	5.813	33.13 / 33.33	39.143 / 0	9.08 / 9.12	9.12

LINE 2AC LINE 2013

	2AC/07		2014/01		2013/01		2005/04
DEPTH TO INVERT	1.83		1.57 / 1.72		1.54 / 1.62		1.65 / 1.86
INVERT LEVEL	85.63		85.39 / 85.24		82.92 / 82.84		82.43 / 82.22
SURFACE LEVEL	87.46		86.96 LIP		84.46 LIP		84.08 LIP

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

03/09/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/2 SWC.16.2023.215.3

	NEW PIT 01 600x600		NEW PIT 02 900x900		NEW PIT 03 900x900		2005/05
PIPE SIZE		150		150		375	
GRADE		0.48%		1.27%		1.36%	
DEPTH TO INVERT	0.72		0.79 / 0.81		2.10 / 2.10		1.85 / 2.01
INVERT LEVEL	86.15		86.11 / 86.09		85.77 / 85.77		85.69 / 85.53
SURFACE LEVEL	86.87		86.90		87.87		87.54 LIP
CHAINAGE		8.36		25.21		5.89	

LINE NEW

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
H	AP	AP	WA	WA	16/07/2024	SWC MOD FOR ROAD 24 DRAINAGE NETWORK ADJUSTMENTS
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
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B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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SCALE 1:500 (A1) SCALE 1:1000 (A3)
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
DRAINAGE LONGITUDINAL SECTIONS
SHEET 07

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	516	H

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

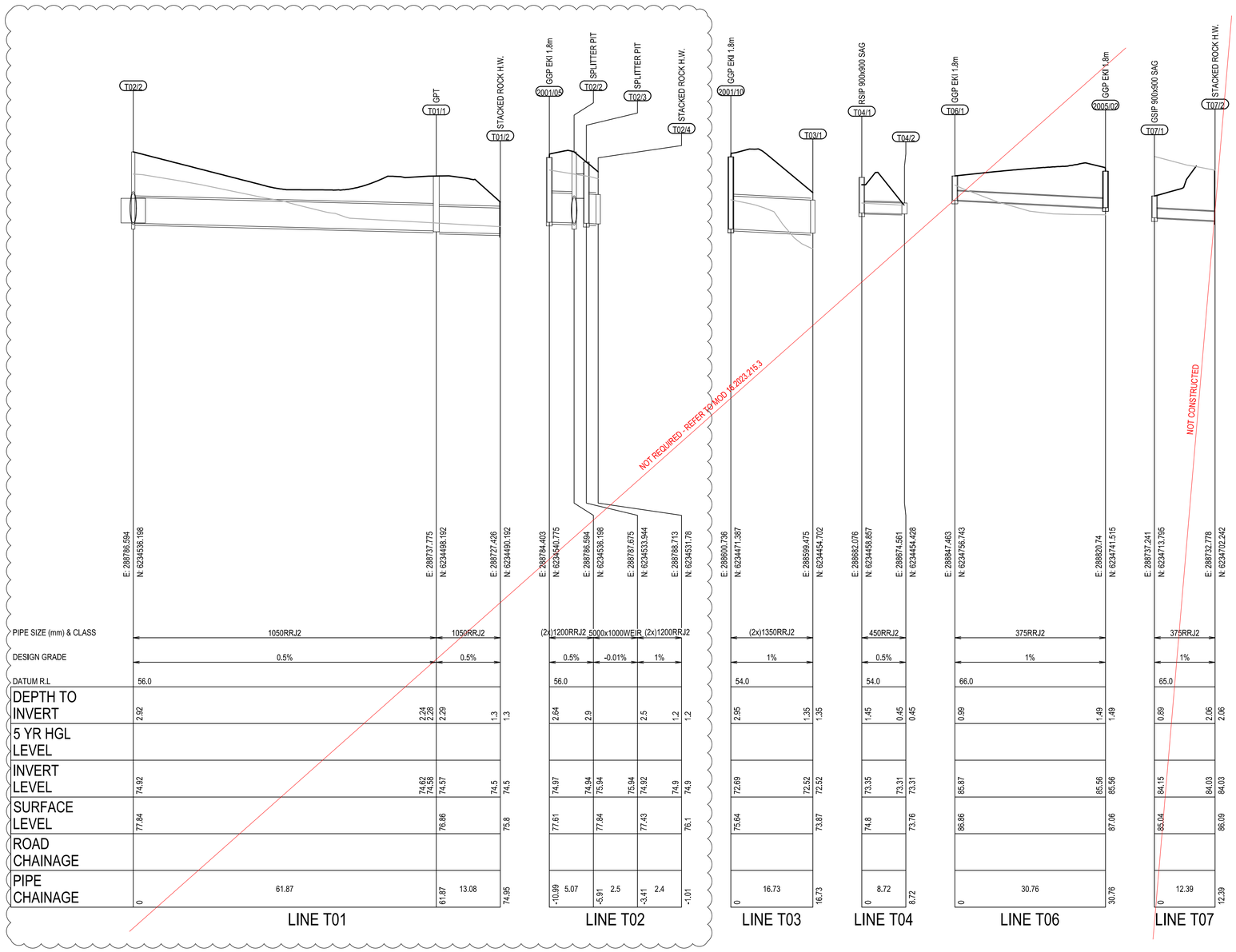
NOTE:

STORMWATER LONGITUDINAL SECTIONS REFLECT INTERIM PIT AND PIPE NETWORK.

LEGEND

EXISTING SURFACE	
DESIGN SURFACE	
INTERIM SURFACE	
5yr HGL	
100yr HGL	
DESIGN PIPE AND PIT	
DESIGN TEMPORARY PIPE AND PIT	
EXISTING PIPE AND PIT	
FUTURE PIPE AND PIT	

F



	LINE T01					LINE T02						LINE T03		LINE T04		LINE T06		LINE T07	
E:	288786.594		288737.775		288727.426	288784.403		288786.594	288787.675		288788.713	288600.736	288599.475	288682.076	288674.561	288847.463	288820.74	288737.241	288732.778
N:	6234536.198		6234498.192		6234490.192	6234540.775		6234536.198	6234533.944		6234531.78	6234471.387	6234454.702	6234458.857	6234454.428	6234756.743	6234741.515	6234713.795	6234702.242
PIPE SIZE (mm) & CLASS	1050RRJ2		1050RRJ2			(2x)1200RRJ2	5000x1000WEIR	(2x)1200RRJ2				(2x)1350RRJ2		450RRJ2		375RRJ2		375RRJ2	
DESIGN GRADE	0.5%		0.5%			0.5%	-0.01%	1%				1%		0.5%		1%		1%	
DATUM R.L	56.0					56.0						54.0		54.0		66.0		65.0	
DEPTH TO INVERT	2.92		2.24	2.28	2.29	2.64	2.9		2.5	1.2	1.2	2.95	1.35	1.45	0.45	0.99	1.49	0.89	2.06
5 YR HGL LEVEL																			
INVERT LEVEL	74.92		74.68	74.58	74.57	74.97	74.94	75.94	75.94	74.9	74.9	72.69	72.52	73.35	73.31	85.87	85.56	84.15	84.03
SURFACE LEVEL	77.84				76.86	77.61		77.84	77.43		76.1	75.64	73.87	74.8	73.76	86.86	87.06	85.04	86.09
ROAD CHAINAGE																			
PIPE CHAINAGE	0	61.87	61.87	13.08	74.95	-10.39	5.07	-5.91	2.5	-3.41	2.4	-1.01	16.73	0	8.72	0	30.76	0	12.39

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
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For: mirvac

By: ORION
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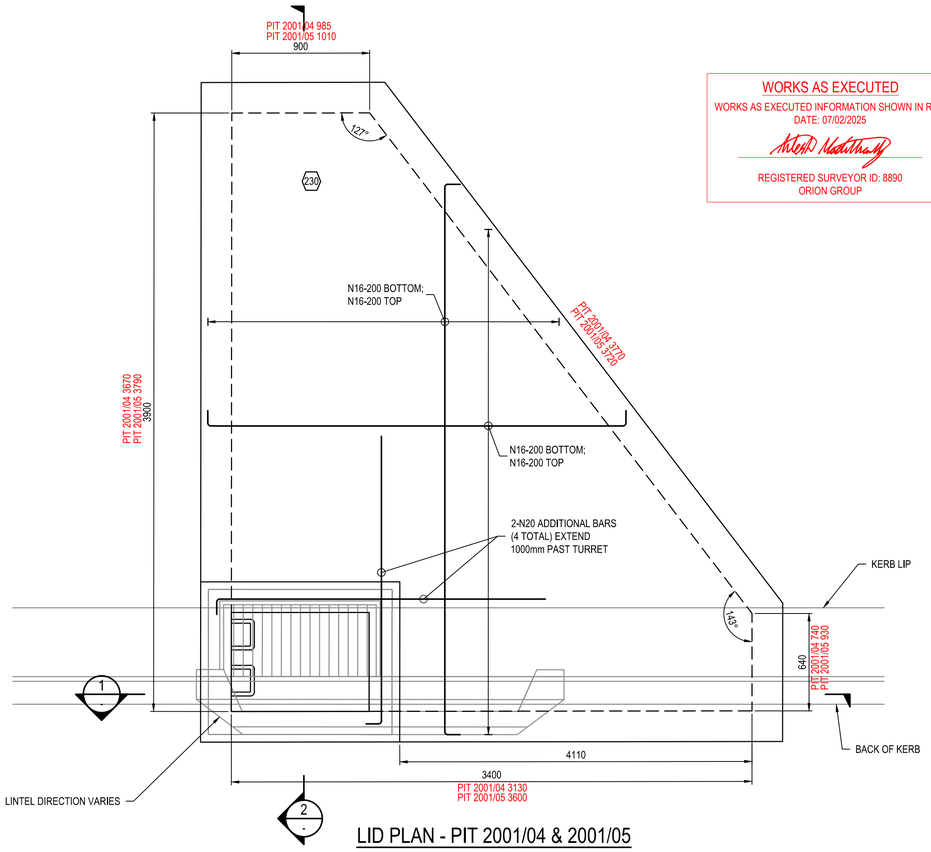
Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
DRAINAGE LONGITUDINAL SECTIONS
SHEET 08

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	517	F



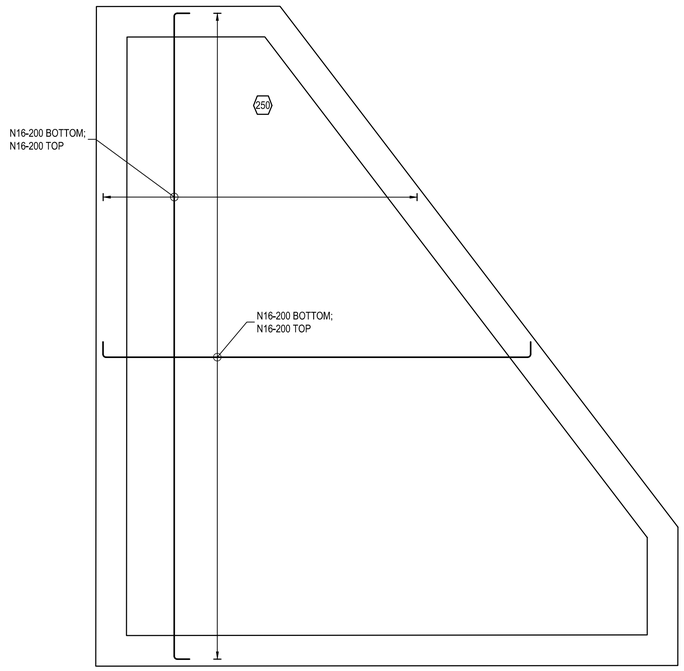
LID PLAN - PIT 2001/04 & 2001/05

SCALE 1:20

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

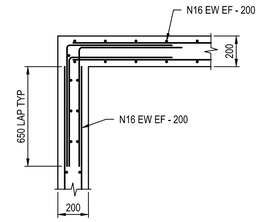


BASE PLAN - PIT 2001/04 & 2001/05

SCALE 1:20

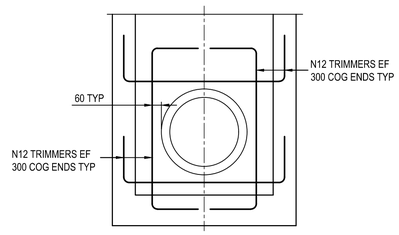
NOTE:

1. FOUNDATION MIN. BEARING CAPACITY 150 kPa - TO BE CONFIRMED BY GEOTECHNICAL CONSULTANT.
2. READ THIS DRAWING IN CONJUNCTION WITH CONSTRUCTION NOTES ON DRG SWC-002.
3. CONFIRM DIMENSIONS OF ALL PRECAST ITEMS PRIOR TO FABRICATING REINFORCEMENT AND SETTING OUT FORM WORK.
4. READ THIS DRG IN CONJUNCTION WITH DRAINAGE PIT SCHEDULE AND DRAINAGE PIT SECTIONS.



TYPICAL CORNER DETAIL

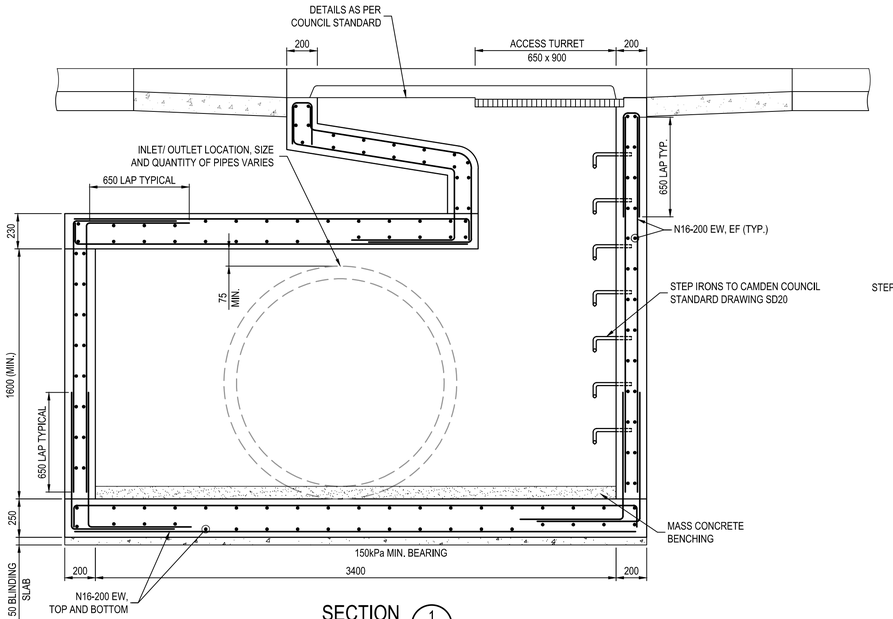
SCALE 1:20



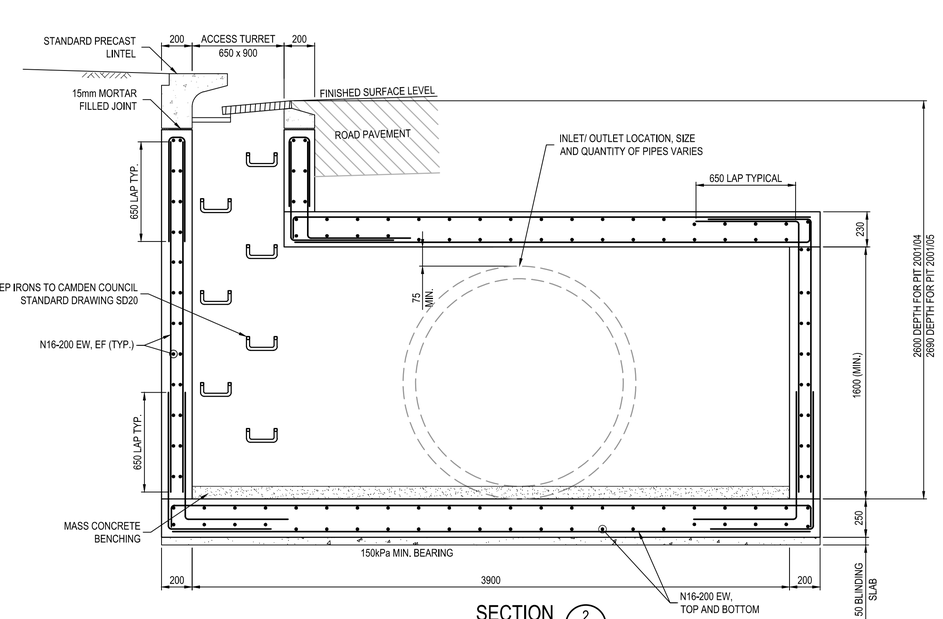
TYPICAL PIPE ENTRY/EXIT FROM PIT

SCALE 1:20

E



SECTION 1 - SCALE 1:20



SECTION 2 - SCALE 1:20

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
E	WP	MS	NW	NW	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	MS	NW	NW	23/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
-	-	-	-	-	-	-
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
-	-	-	-	-	-	-

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Scale:
0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0
SCALE 1:20 (A1) SCALE 1:40 (A3)

For: mirvac

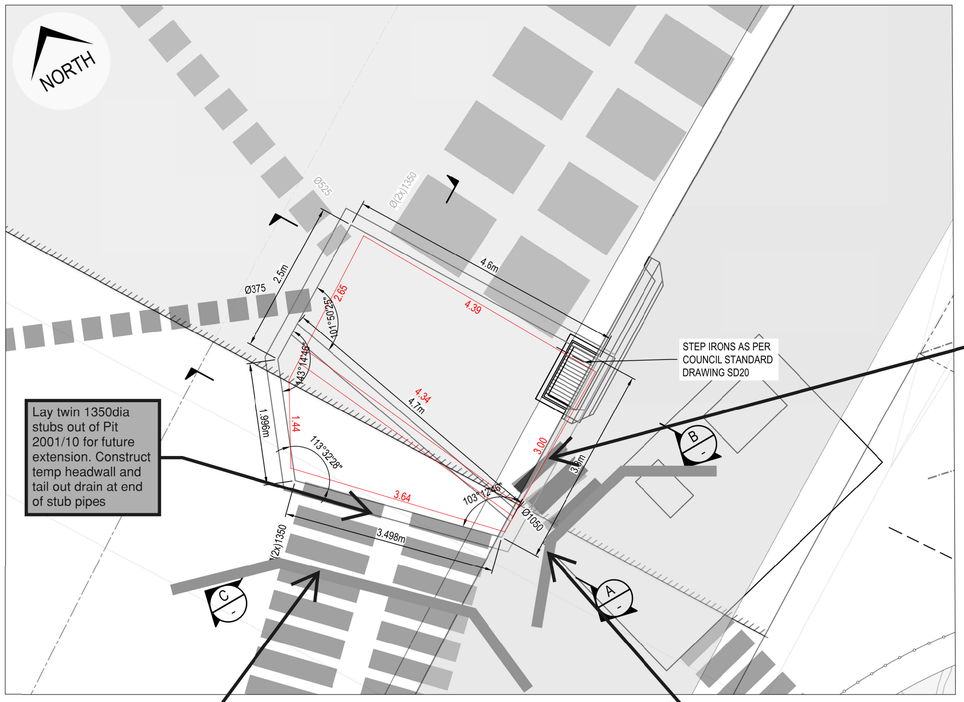
By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
SPECIAL PIT DETAILS
PIT 2001/04 & 2001/05

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	545	E



SPLITTER PIT 2001/10 - PLAN VIEW

SCALE 1:50

Lay twin 1350dia stubs out of Pit 2001/10 for future extension. Construct temp headwall and tail out drain at end of stub pipes

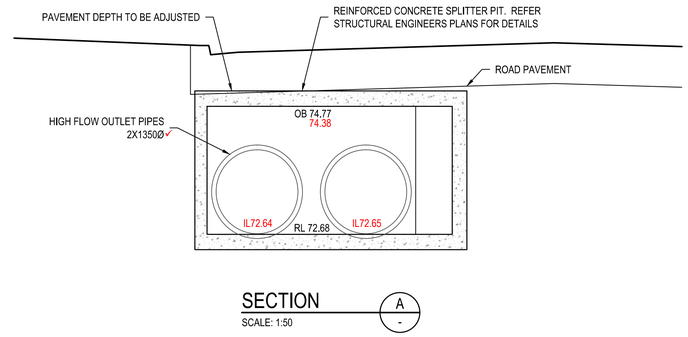
Lay 1050dia stub out of Temporary Pit 2001/10 for future connection. Construct temp headwall and tail out drain at end of stub pipe

For Structural Details refer to Structural Drawings - plans 652456-S17 and 652456-S18

Provide temporary stacked rock headwall to twin 1350dia stubs out of Pit 2001/10. Construct tail out drain at end of stub pipes

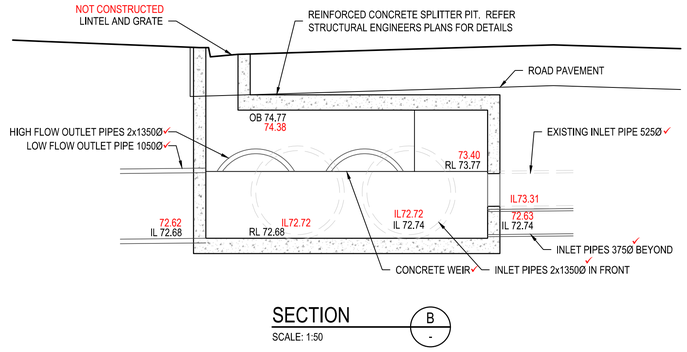
Provide temporary stacked rock headwall to 1050dia stub out of Pit 2001/10. Construct tail out drain at end of stub pipes

Note: Pit 2001/10 to be constructed in accordance with approval under DA 2023/461/1



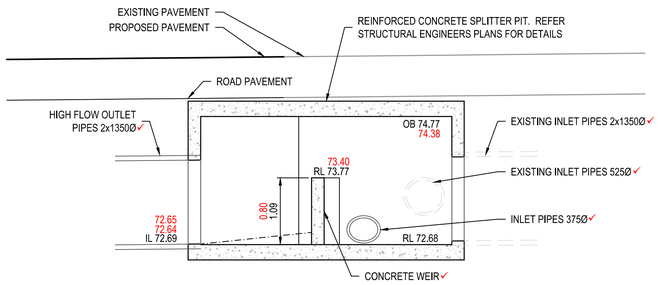
SECTION A

SCALE: 1:50



SECTION B

SCALE: 1:50



SECTION C

SCALE: 1:50

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
A	RL	LMc	MP	MP	25/07/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0 4.5 5.0
SCALE 1:50 (A1) SCALE 1:100 (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

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

Title: SPLITTER PIT O2001/10 PLAN & DETAILS

Project No.	Set No.	Milestone	Plan	Revision
23-0579	01	SWC	554	A

SWALE 1 - PLAN VIEW

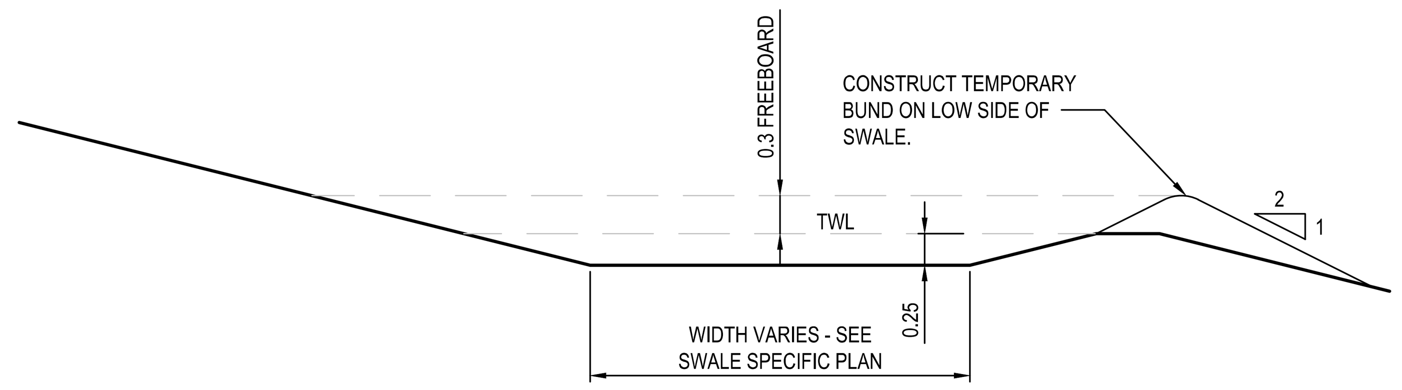
SCALE 1:500

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

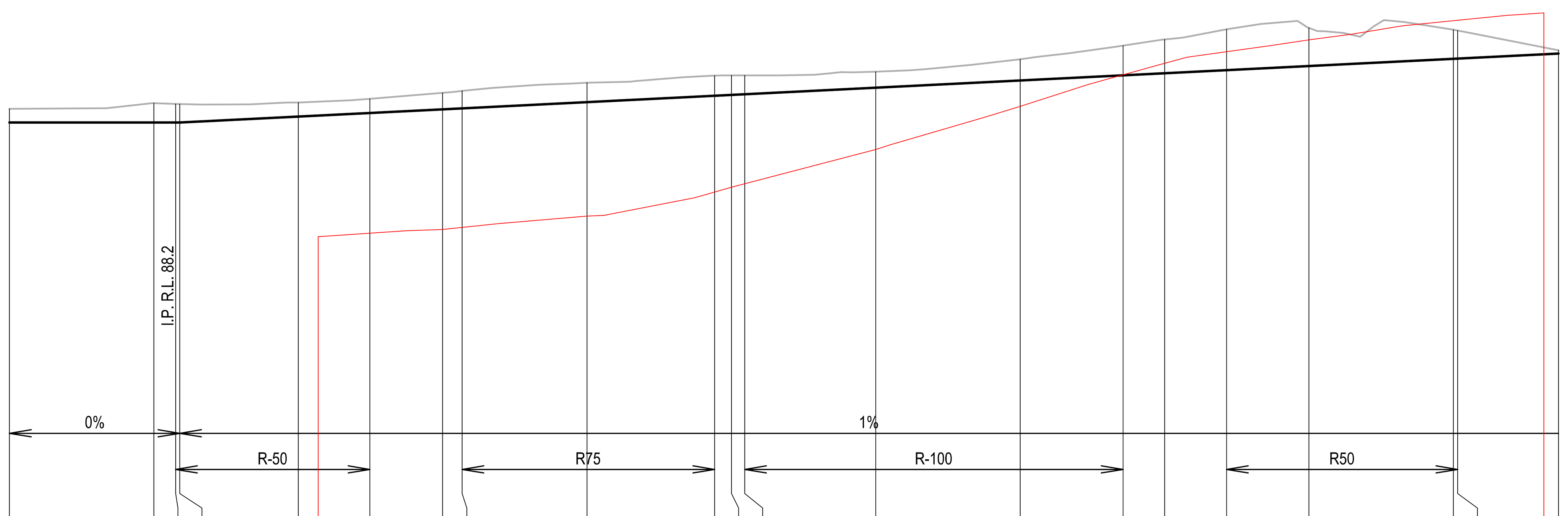
SETOUT TABLE SWALE 1					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	288690.19	6234718.12	73°35'25.38"		
17.26	288706.75	6234723	73°35'25.38"		
27.35	288716.55	6234725.89		-50	20.169
37.43	288724.44	6234732.39	50°28'42.37"		
47.02	288731.83	6234738.49	50°28'42.37"		
60.13	288742.05	6234746.92		75	26.228
73.25	288754.55	6234751.34	70°30'54.14"		
76.38	288757.5	6234752.39	70°30'54.14"		
96.03	288776.27	6234759.03		-100	39.293
115.68	288791.06	6234772.35	48°00'06.18"		
126.44	288799.06	6234779.55	48°00'06.18"		
138.44	288808.15	6234787.73		50	23.998
150.44	288820	6234790.8	75°30'07.05"		
160.92	288830.14	6234793.42	75°30'07.05"		



TYPICAL SWALE SECTION

NTS

LEGEND	
DESIGN SURFACE	solid line
EXISTING SURFACE	grey line
FUTURE SURFACE	dashed line



CHAINAGE	W.A.E.	DESIGN LEVEL	EXISTING LEVEL
0		88.2	88.484
15		88.2	88.603
17.263		88.2	88.585
17.687		88.2	88.582
30		88.323	88.613
32.07	85.83		
37.432		88.397	88.691
45	85.98	88.473	88.816
47.018		88.493	88.854
60	86.25	88.623	89.027
73.245		88.756	89.172
75	86.85	88.773	89.178
76.385		88.787	89.176
90	87.64	88.923	89.253
105	88.53	89.073	89.511
115.678		89.18	89.794
120	89.42	89.223	89.923
126.443		89.288	90.133
135	89.91	89.373	90.165
150	90.31	89.523	90.126
150.442		89.528	90.109
159.40	90.47		
160.917		89.632	89.697

LONGITUDINAL SECTION - SWALE 1

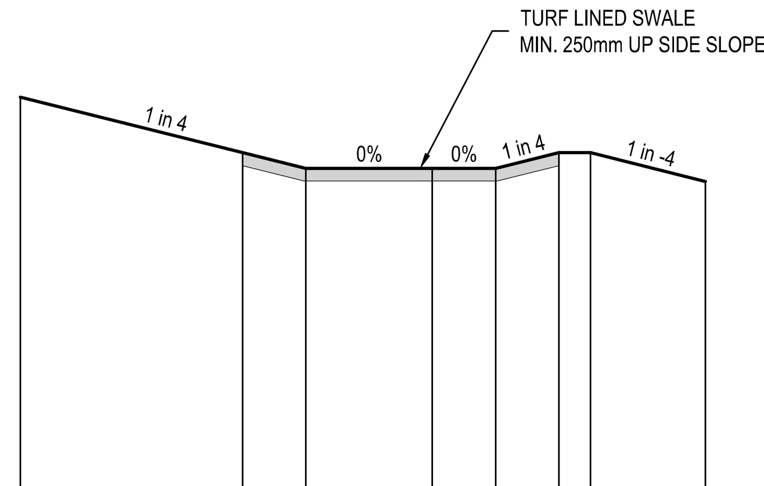
SCALE 1:500 (H)

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1



DATUM R.L. 83.0

DESIGN LEVEL	89.328	88.45	88.2	88.2	88.2	88.45	88.45	87.996
OFFSET	-6.512	-3	-2	0	1	2	2.5	4.318

SWALE 1 TYPICAL SECTION

SCALE 1:100 NATURAL

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (A3)

For: mirvac

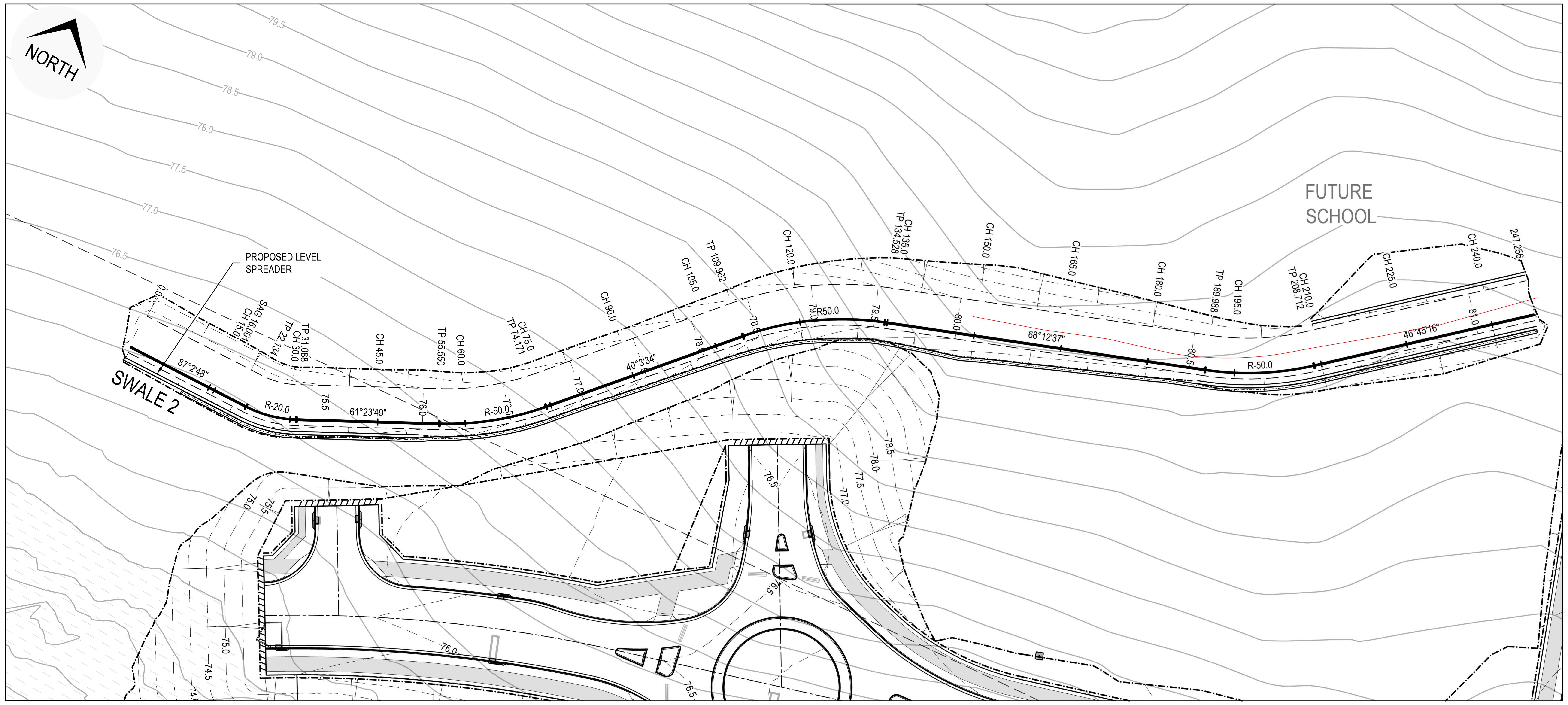
By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
SWALE 1
PLAN & DETAILS

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	630	F



SWALE 2 - PLAN VIEW
SCALE 1:500

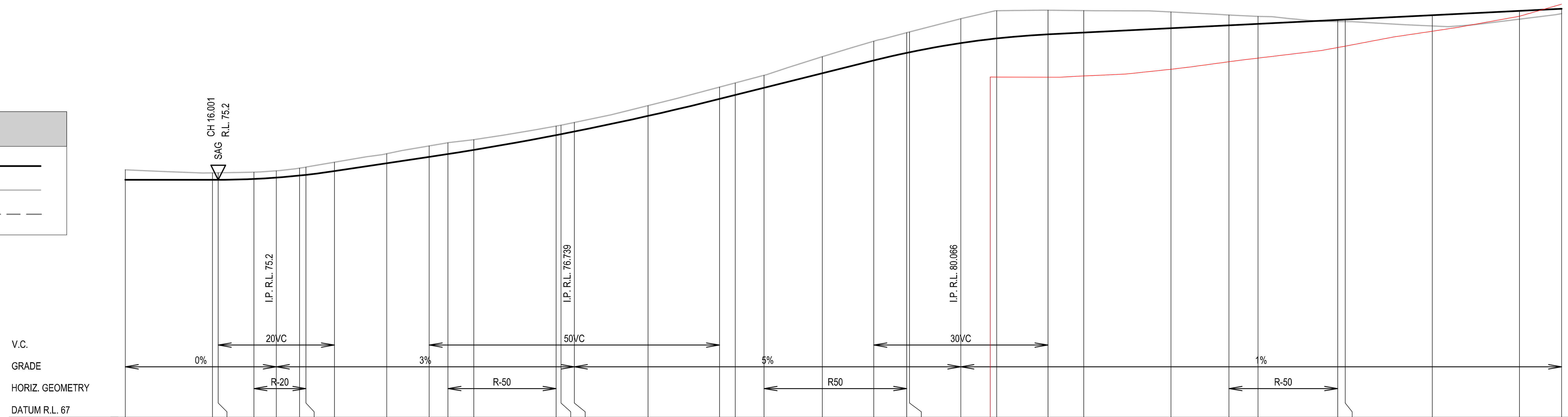
SETOUT TABLE SWALE 2					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	288553.05	6234503.08	87°02'47.61"		
22.13	288575.15	6234504.22	87°02'47.61"		
26.61	288579.7	6234504.46		-20	8.953
31.09	288583.69	6234506.64	61°23'48.94"		
55.55	288605.17	6234518.35	61°23'48.94"		
64.86	288613.44	6234522.86		-50	18.621
74.17	288619.5	6234530.07	40°03'33.74"		
109.96	288642.54	6234557.46	40°03'33.74"		
122.24	288650.61	6234567.05		50	24.566
134.53	288662.25	6234571.71	68°12'36.94"		
189.99	288713.74	6234592.29	68°12'36.94"		
199.35	288722.54	6234595.81		-50	18.724
208.71	288729.44	6234602.3	46°45'15.56"		
247.26	288757.52	6234628.71	46°45'15.56"		

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
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
22/03/2024
SUBDIVISION WORKS CERTIFICATE
DA/2023/215/1 SWC.16.2023.215.1

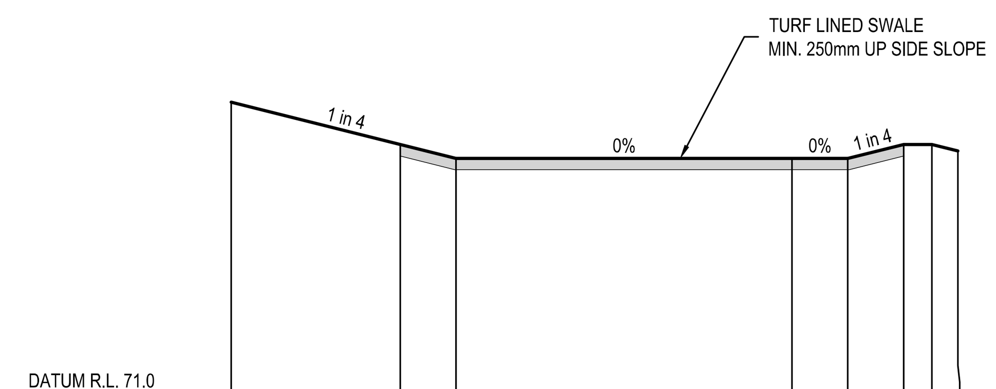
LEGEND

DESIGN SURFACE	(solid line)
EXISTING SURFACE	(light line)
FUTURE SURFACE	(dashed line)



CHAINAGE	W.A.E.	DESIGN LEVEL	EXISTING LEVEL
0		75.2	75.544
15		75.2	75.439
16.001		75.2	75.442
22.134		75.228	75.465
26.001		75.275	75.507
30		75.347	75.6
31.088		75.371	75.636
36.001		75.5	75.805
45		75.77	76.1
52.307		75.989	76.368
55.55		76.089	76.478
60		76.232	76.585
74.171		76.741	77.053
75		76.773	77.083
77.307		76.864	77.177
90		77.404	77.757
102.307		77.989	78.396
105		78.124	78.539
109.962		78.372	78.803
120		78.874	79.445
128.84		79.316	79.98
134.528		79.579	80.275
135		79.599	80.3
143.84		79.916	80.758
148.90	78.74		
150		80.075	81.034
158.84		80.216	81.051
165	78.78	80.277	81.036
180	79.01	80.427	80.988
189.988		80.527	80.882
195	79.14	80.577	80.836
208.712		80.715	80.656
210	79.80	80.727	80.654
225	80.32	80.877	80.505
240	80.84	81.027	80.739
247.256	81.25	81.1	80.929

LONGITUDINAL SECTION - SWALE 2
SCALE 1:500 (H)
SCALE 1:100 (V)



OFFSET	DESIGN LEVEL
-10.02	76.205
-7	75.45
-6	75.2
0	75.2
1	75.2
2	75.45
2.5	75.45
2.964	75.334

SWALE 2 TYPICAL SECTION
SCALE 1:100 NATURAL

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (A3)

For: mirvac

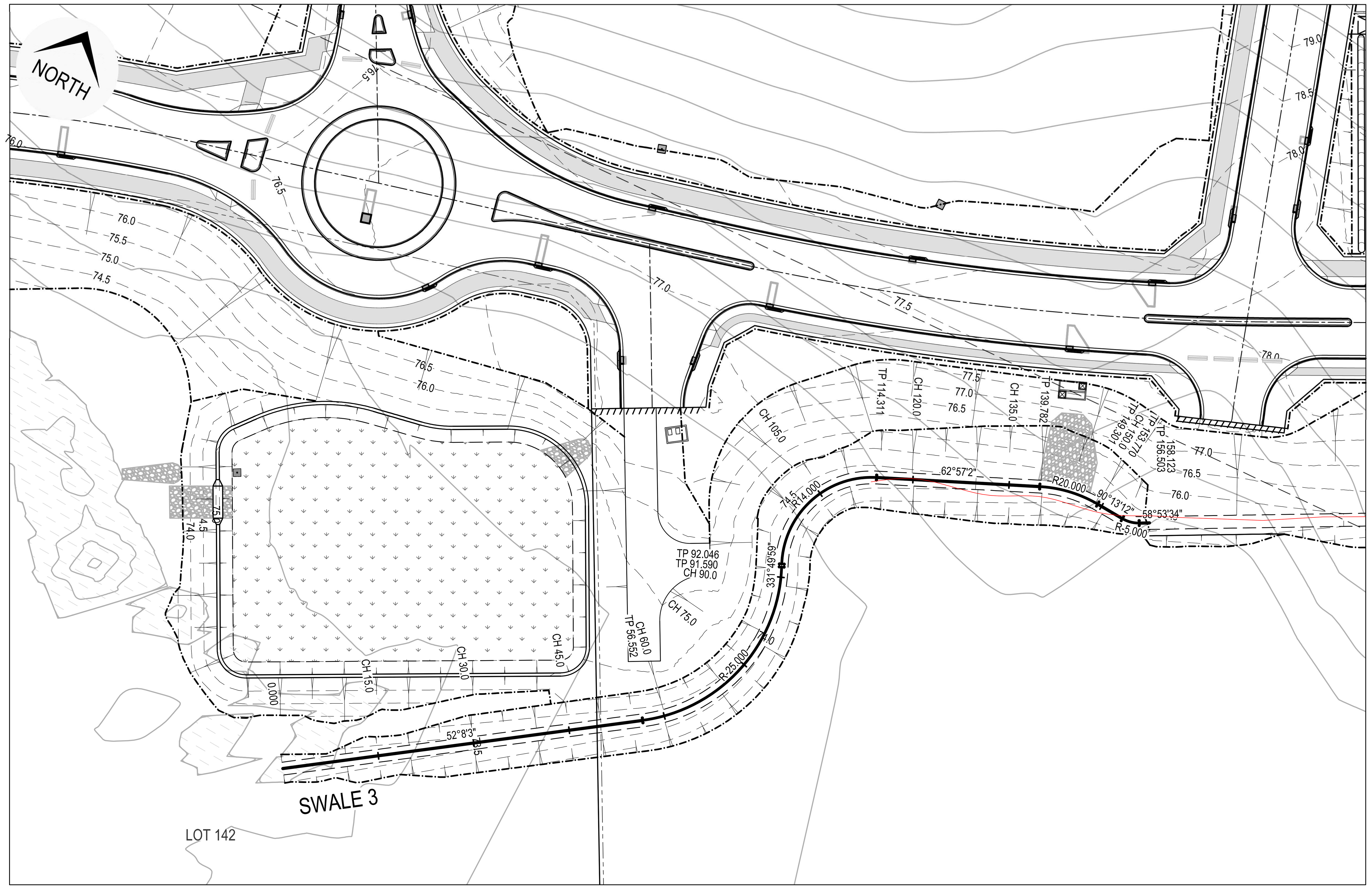
By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
SWALE 2
PLAN & DETAILS

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	631	F



SWALE 3 - PLAN VIEW

SCALE 1:500

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

SETOUT TABLE SWALE 3					
CHAINAGE	EASTING	NORTHING	BEARING	RAD/SPIRAL	A.LENGTH
0	288711.44	6234422.64	52°08'03.04"		
56.55	288756.08	6234457.35	52°08'03.04"		
74.07	288772.73	6234470.29		-25	35.038
91.59	288762.78	6234488.89	331°49'59.24"		
92.05	288762.56	6234489.29	331°49'59.24"		
103.18	288755.82	6234501.87		14	22.264
114.31	288768.54	6234508.36	62°57'01.88"		
139.78	288791.22	6234519.95	62°57'01.88"		
144.54	288795.54	6234522.15		20	9.519
149.3	288800.39	6234522.14	90°13'12.21"		
153.77	288804.86	6234522.12	90°13'12.21"		
155.14	288806.27	6234522.11		-5	2.734
156.5	288807.47	6234522.84	58°53'34.48"		
158.12	288808.85	6234523.67	58°53'34.48"		

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

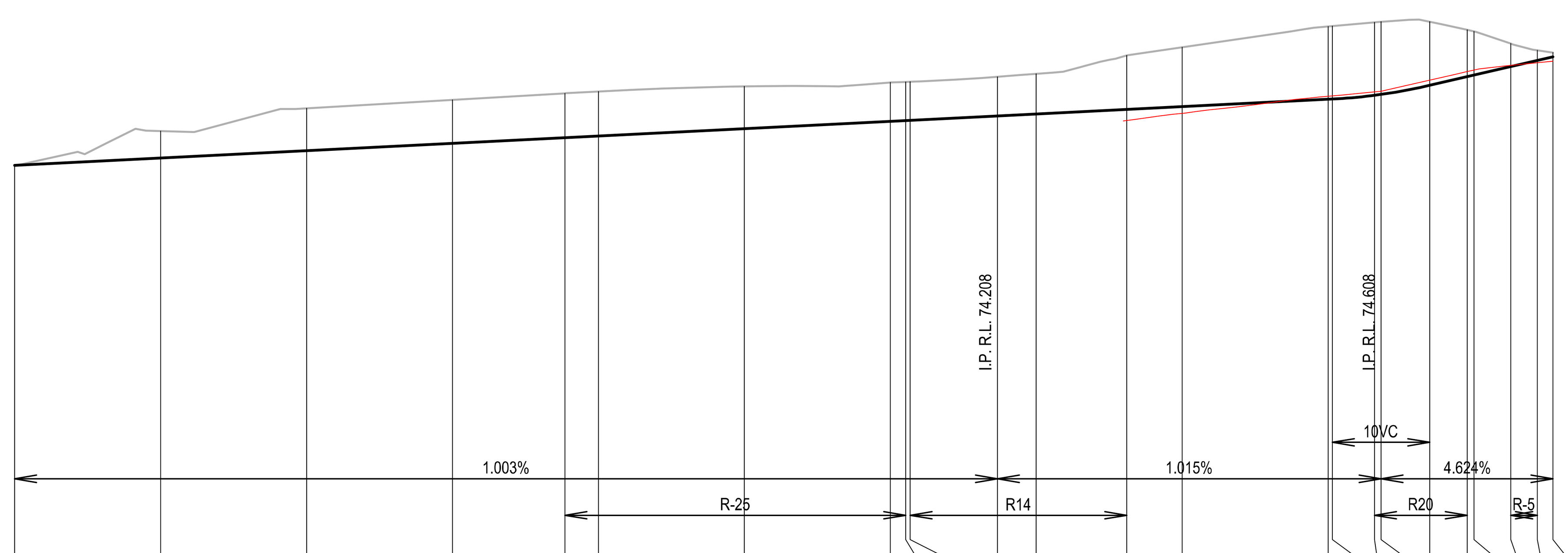
02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

LEGEND

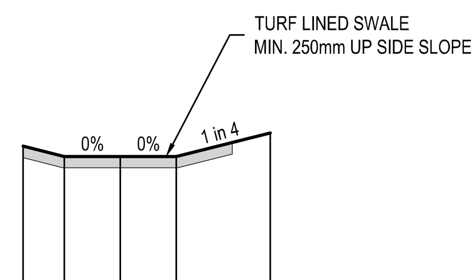
DESIGN SURFACE	solid line
EXISTING SURFACE	thin line
FUTURE SURFACE	dashed line



CHAINAGE	W.A.E.	DESIGN LEVEL	EXISTING LEVEL
0		73.195	73.185
15		73.345	73.897
30		73.495	74.368
45		73.646	74.542
56.552		73.762	74.675
60		73.796	74.713
75		73.947	74.817
90		74.097	74.897
91.59		74.113	74.909
92.046		74.118	74.913
101.025		74.208	75.014
105		74.248	75.076
113.96 / 114.311	74.10	74.343	75.455
120	74.26	74.4	75.623
135	74.61	74.553	76.049
135.452		74.557	76.057
139.782		74.635	76.136
140.452		74.653	76.148
145.452		74.839	76.148
149.301		75.017	75.98
150	75.15	75.05	75.948
153.77		75.224	75.696
156.503		75.35	75.559
158.123	75.33	75.425	75.511

LONGITUDINAL SECTION - SWALE 3

SCALE 1:500 (H)
SCALE 1:100 (V)



DESIGN LEVEL	OFFSET
73.419	-1.739
73.235	-1
73.235	0
73.235	1
73.654	2.677

SWALE 3 TYPICAL SECTION

SCALE 1:100 NATURAL

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (A3)

For: mirvac

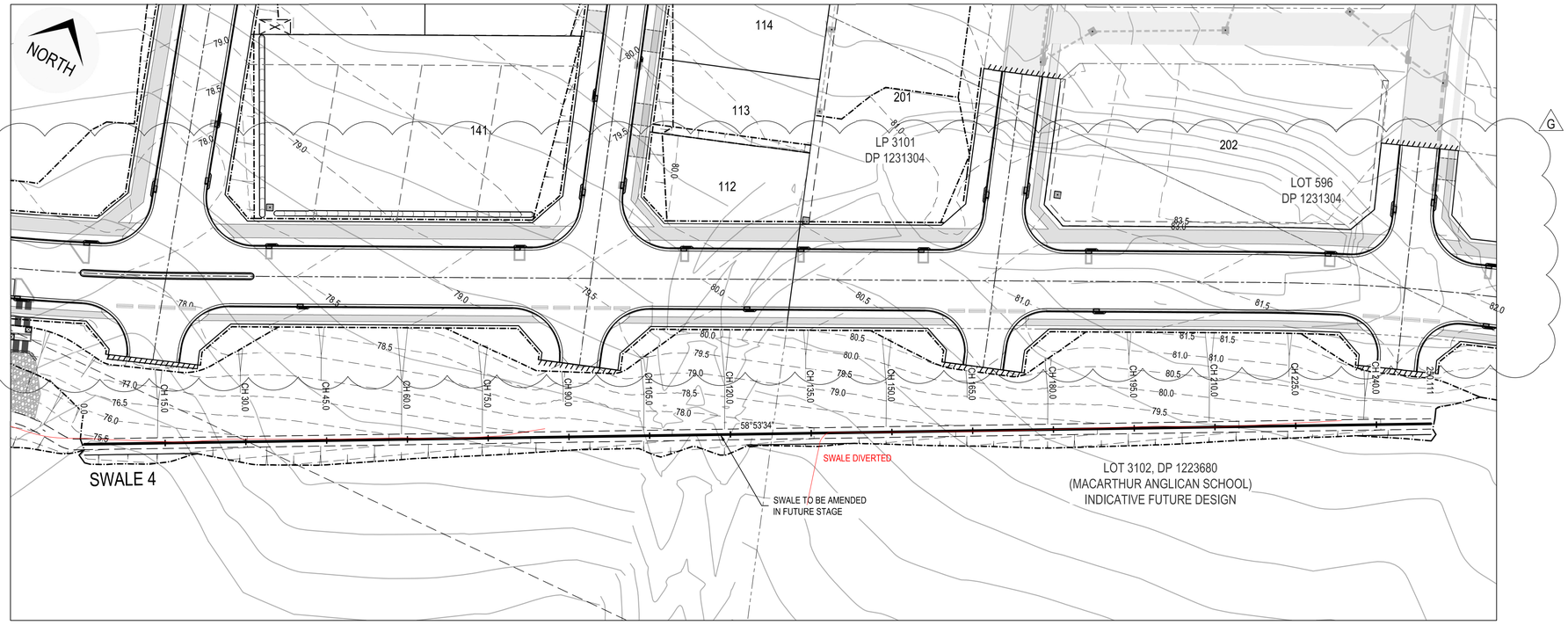
By: ORION

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
SWALE 3
PLAN & DETAILS

Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	632	B



SWALE 4 - PLAN VIEW

SCALE 1:500

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

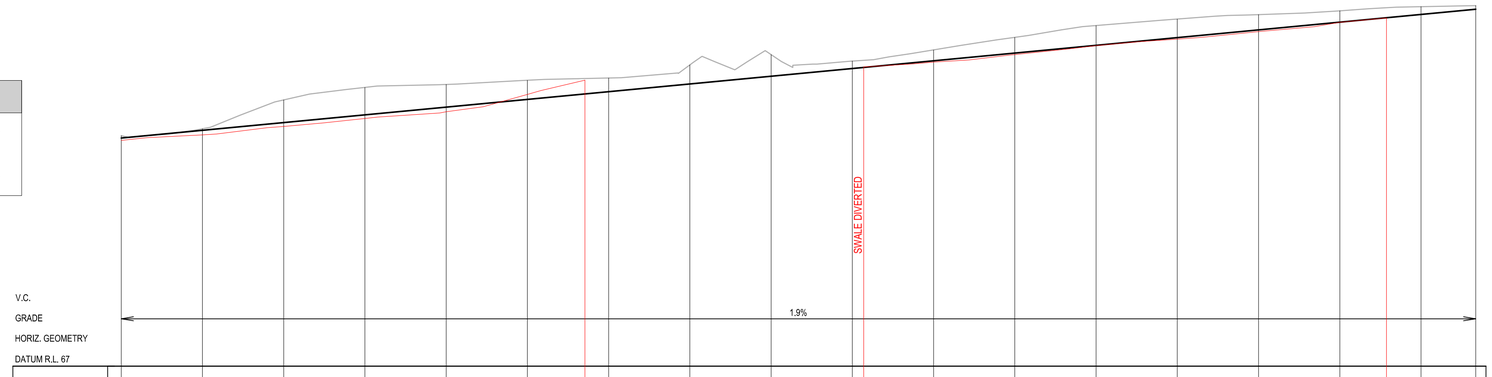
WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

LEGEND

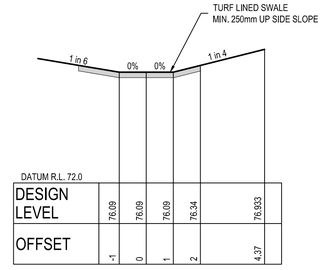
- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE SURFACE



W.A.E.	75.33	75.54	75.85	76.14	76.39	77.03	77.56					78.04	78.22	78.50	78.83	79.07	79.35	79.69	79.85						
DESIGN LEVEL	75.425	75.71	75.995	76.28	76.565	76.85		77.135	77.42	77.705	77.99	78.275	78.56	78.845	79.13	79.415	79.7			79.985	80.177				
EXISTING LEVEL	75.511	75.765	75.829	77.293	77.4	77.556		77.64	78.126	78.502	78.266	78.877	79.14	79.577	79.816	79.981	80.12			80.273	80.313				
CHAINAGE	0	15	30	45	60	75	85.63	90	105	120	135	137.10	150	165	180	195	210	225	233.62	240	250.111				

LONGITUDINAL SECTION - SWALE 4

SCALE 1:500 (H)
SCALE 1:100 (V)



DESIGN LEVEL	76.09	76.09	76.09	76.34	76.933
OFFSET	-1	0	1	2	4.37

SWALE 4 TYPICAL SECTION

SCALE 1:100 NATURAL

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
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SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
SWALE 4
PLAN & DETAILS

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	633	G

NORTH

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
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

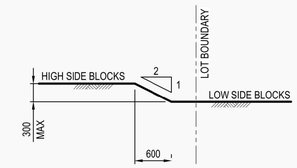
02/07/2024

SUBDIVISION WORKS CERTIFICATE

DA/DA/2023/215/2 SWC.16.2023.215.2

LEGEND

SINGLE TIER CONCRETE I-BEAM RETAINING WALL (REFER DRG SWC 701 FOR DETAIL)	
MASONRY BLOCK RETAINING WALL (REFER DRG SWC 701 FOR DETAIL)	
BATTER VARIES MAX 1V:10H BATTER (4.5m WIDE)	
STANDARD LOT BENCHING BATTER MAX HEIGHT 0.3m AT 1V:2H (TYP.) (REFER TO TYPICAL DETAIL)	
RETAINING WALL EASEMENT FOR SUPPORT, ACCESS AND MAINTENANCE (0.9m WIDE)	(E)
RETAINING WALL EASEMENT FOR SUPPORT OVER RETAINING WALL (0.9m WIDE)	(E1)
RESTRICTION ON THE USE OF LAND - RETAINING WALLS	*



TYPICAL SIDE BOUNDARY 1V:2H BATTER
NOT TO SCALE

MASONRY WALL WITHIN 8m OF ROAD RESERVE (TYP)

FUTURE SCHOOL

ROAD 22
ROAD 40A
ROAD 24
ROAD 27
ROAD 29
ROAD 28
HOOK STREET
WISTERIA RISE
CHARLES MCINTOSH PARKWAY

ARCADIAN HILLS
EXISTING DEVELOPMENT

LP 3101
DP 1231304

LOT 596
DP 1231304

STAIRS TO BE INSTALLED FOR PEDESTRIAN ACCESS TO CHARLES MCINTOSH PARKWAY FOR EACH FUTURE TERRACE LOT. LOCATION AND TYPE BY OTHERS

PT146

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
B	WP	LMc	AP	AP	19/06/2024	RE-ISSUED FOR SWC MOD APPROVAL
A	RL	LMc	AP	AP	24/05/2024	ISSUED FOR SWC MOD APPROVAL

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Scale:
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SCALE 1:500 (A1) SCALE 1:1000 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
LOT BENCHING & RETAINING WALL PLAN

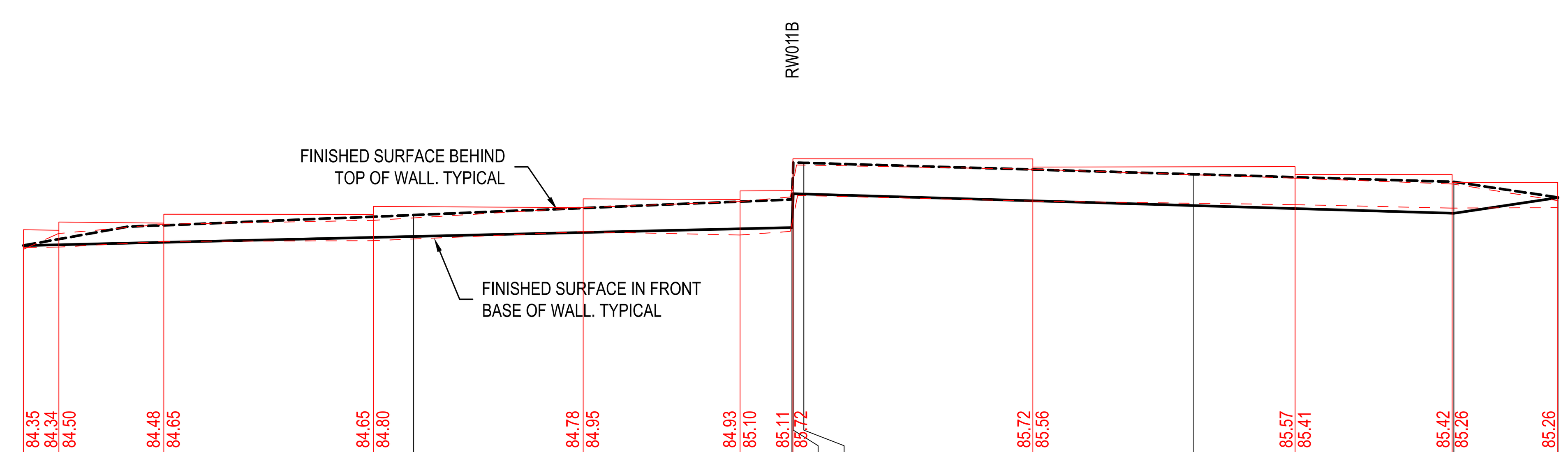
Project No.	Set No.	Milestone	Plan	Revision
23-0563	02	MOD	700	B

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

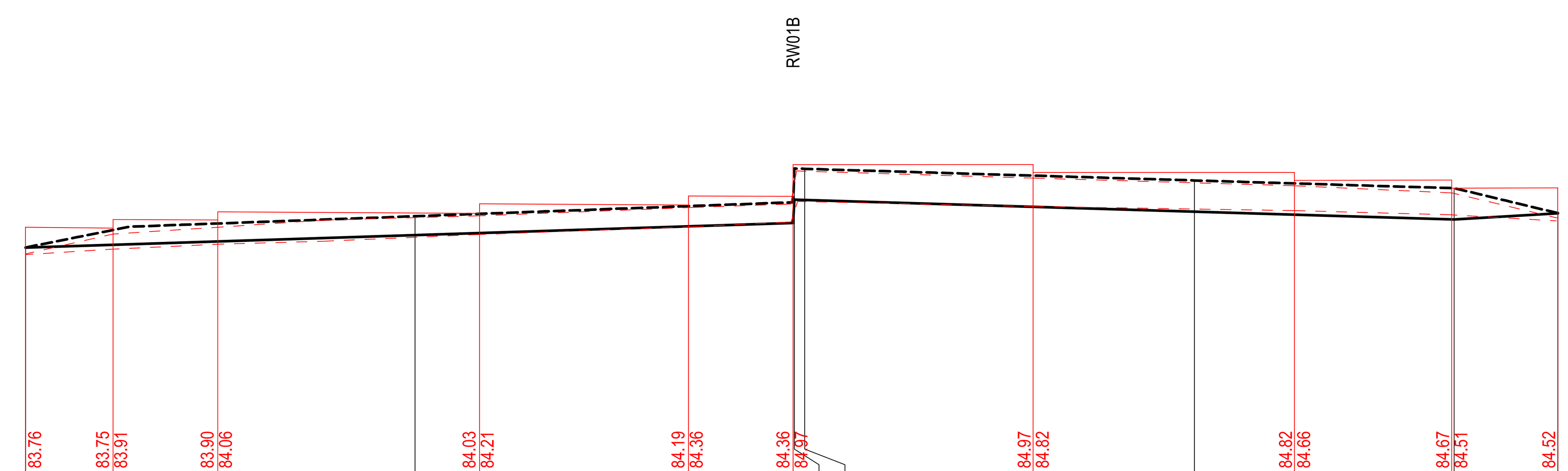
NOTE:
- **ALL** RETAINING WALLS TO BE DESIGNED AND CERTIFIED BY A SUITABLY QUALIFIED STRUCTURAL ENGINEER. REFER TO STRUCTURAL PLANS FOR DETAILS.
- WALL DESIGN TO ENSURE NO PIERS ARE POSITIONED OVER PROPOSED STORMWATER PIPES AT CROSSINGS.
- WALLS HAVE BEEN MODELLED TO SUIT BENCH LOCATIONS, WALL STEPS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



DATUM R.L. 80

TOP OF WALL LEVEL	SURFACE LEVEL AT BASE	SURFACE LEVEL AT TOP	WALL HEIGHT	CHAINAGE
	84.05	84.05	0.003	0
84.35 84.34	84.01 84.02	83.97 84.28	0.04 0.26	
84.50				1.36
84.48 84.65	84.13	84.46	0.33	5.40
84.65 84.80	84.14	84.53	0.39	13.45
	84.23	84.64	0.412	15
84.78 84.95	84.31	84.78	0.47	21.52
84.93 85.10	84.25	84.89	0.64	27.56
85.11	84.4 / 84.32	84.94 / 84.98	0.54 / 0.66	29.55
85.72	85.05 / 85.01	85.65 / 85.60	0.6 / 0.59	29.6 / 29.59
	85.04	85.64	0.6	30
85.72 85.56	84.90	85.52	0.62	38.81
	84.82	85.42	0.602	45
85.57 85.41	84.83	85.34	0.51	48.89
85.42 85.26	84.67 / 84.77	85.28 / 85.23	0.604 / 0.46	55 / 54.93
85.26	84.97 / 84.78	84.98 / 84.91	0.004 / 0.13	59 / 58.99

RETAINING WALL PROFILE - RW03
SCALE 1:200 (H)
SCALE 1:100 (V)



DATUM R.L. 79

TOP OF WALL LEVEL	SURFACE LEVEL AT BASE	SURFACE LEVEL AT TOP	WALL HEIGHT	CHAINAGE
	83.38	83.38	0.003	0
83.76	83.23	83.25	0.02	
83.75 83.91	83.34	83.63	0.29	3.37
83.90 84.06	83.43	83.76	0.33	7.40
	83.62	83.98	0.365	15
84.03 84.21	83.62	83.98	0.36	17.49
84.19 84.36	83.77	84.14	0.37	25.53
84.36	83.85 / 83.86	84.25 / 84.21	0.4 / 0.35	29.55
84.97	84.3 / 84.26	84.9 / 84.84	0.6 / 0.58	29.6 / 29.55
	84.29	84.89	0.6	30
84.97 84.82	84.16	84.71	0.55	38.80
	84.07	84.67	0.602	45
84.82 84.66	84.08	84.56	0.48	48.86
84.67 84.51	83.92 / 84.00	84.52 / 84.42	0.604 / 0.42	55 / 54.91
84.52	84.04 / 83.88	84.04 / 83.94	0.004 / 0.06	59 / 59.00

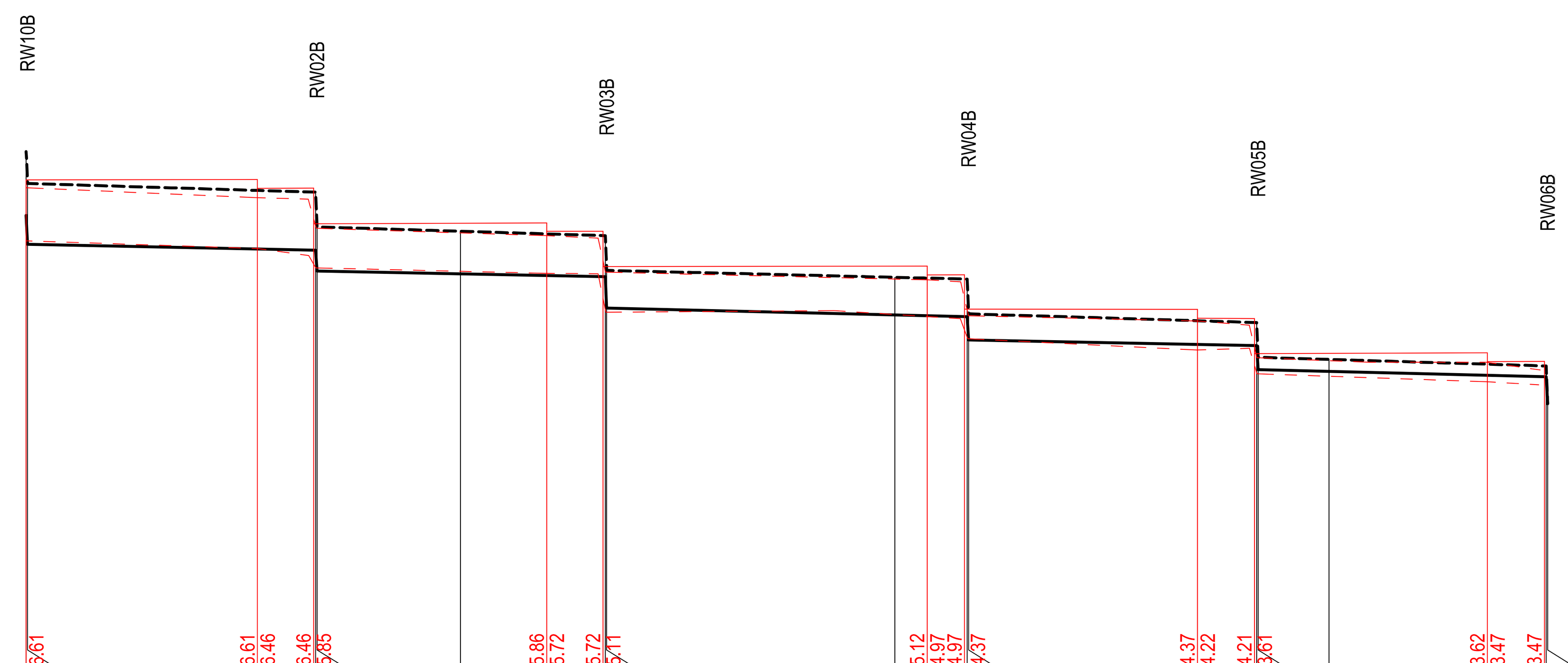
RETAINING WALL PROFILE - RW04
SCALE 1:200 (H)
SCALE 1:100 (V)

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

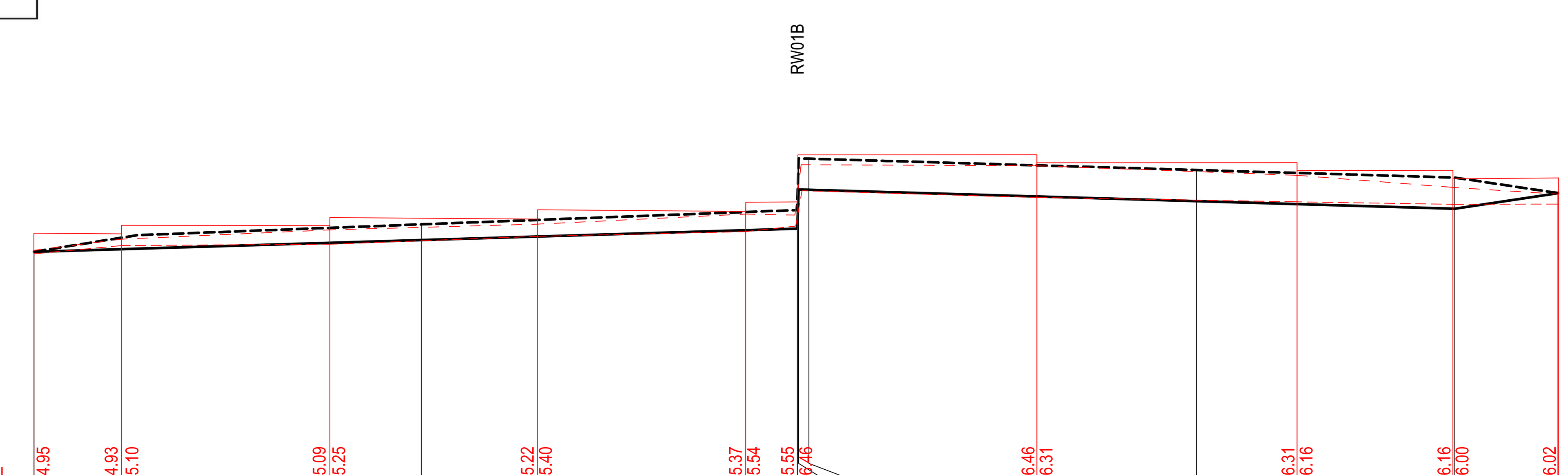
DA/2023/215/1 SWC.16.2023.215.1



DATUM R.L. 78

TOP OF WALL LEVEL	SURFACE LEVEL AT BASE	SURFACE LEVEL AT TOP	WALL HEIGHT	CHAINAGE
	86	87.1	1.1	0
86.61	85.5 / 85.55	86.55 / 86.47	1.05 / 0.92	0.05
86.61 86.46	85.42	86.30	0.88	7.99
86.46	85.4 / 85.30	86.4 / 86.27	1 / 0.97	10 / 9.93
85.85	85.04 / 85.09	85.8 / 85.77	0.76 / 0.68	10.05
	84.99	85.73	0.735	15
85.86 85.72	84.99	85.65	0.66	17.98
85.72	84.94 / 84.99	85.65 / 85.60	0.71 / 0.61	20 / 19.93
85.11	84.4 / 84.32	85.05 / 85.01	0.65 / 0.69	20.05
	84.28	84.93	0.65	30
85.12 84.97 84.97	84.21	84.88	0.67	31.12
	84.25 / 84.21	84.9 / 84.85	0.65 / 0.64	32.5 / 32.41
84.37	83.85 / 83.87	84.3 / 84.26	0.45 / 0.39	32.55
84.37 84.22	83.67	84.17	0.50	40.46
84.21	83.75 / 83.70	84.15 / 84.10	0.4 / 0.40	42.5 / 42.43
83.61	83.34 / 83.26	83.55 / 83.54	0.212 / 0.28	42.55
	83.31	83.51	0.206	45
83.62 83.47	83.12	83.46	0.34	50.47
83.47	83.21 / 83.07	83.4 / 83.33	0.187 / 0.26	52.5 / 52.44
	82.75	82.75	0	52.55

RETAINING WALL PROFILE - RW01
SCALE 1:200 (H)
SCALE 1:100 (V)



DATUM R.L. 80

TOP OF WALL LEVEL	SURFACE LEVEL AT BASE	SURFACE LEVEL AT TOP	WALL HEIGHT	CHAINAGE
	84.59	84.59	0.003	0
84.95	84.55	84.61	0.06	
84.93 85.10	84.71	84.83	0.12	3.39
85.09 85.25	84.73	85.01	0.28	11.45
	84.82	85.12	0.304	15
85.22 85.40	84.89	85.12	0.23	19.50
85.37 85.54	84.98	85.32	0.34	27.56
85.55	85.04 / 85.08	85.4 / 85.30	0.36 / 0.22	29.55
86.46	85.8 / 85.77	86.4 / 86.27	0.6 / 0.50	29.6 / 29.58
	85.79	86.39	0.6	30
86.46 86.31	85.64	86.25	0.61	38.83
	85.57	86.17	0.602	45
86.31 86.16	85.55	86.07	0.52	48.90
86.16 86.00	85.42 / 85.51	86.03 / 85.83	0.604 / 0.32	55 / 54.93
86.02	85.72 / 85.51	85.73 / 85.70	0.004 / 0.19	59 / 59.02

RETAINING WALL PROFILE - RW02
SCALE 1:200 (H)
SCALE 1:100 (V)

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
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SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
RETAINING WALL PROFILES SHEET 01

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	702	F

NOTE:
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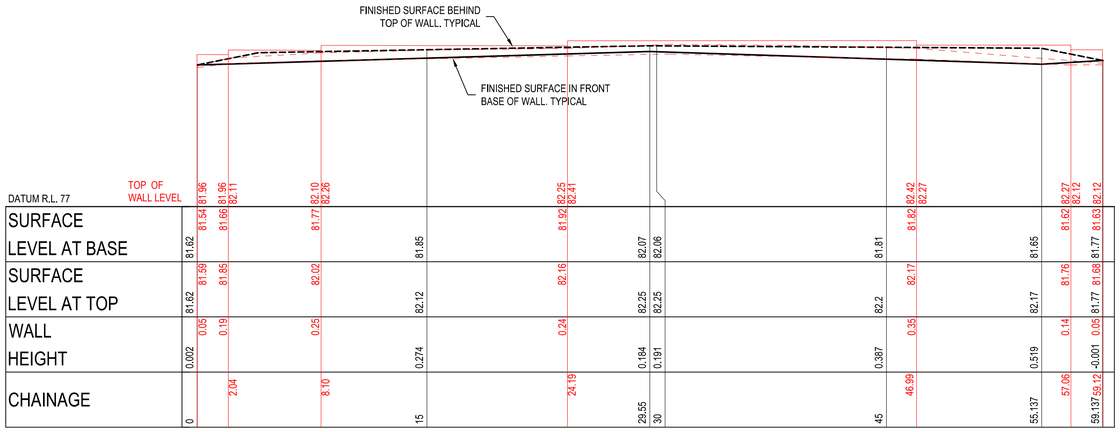
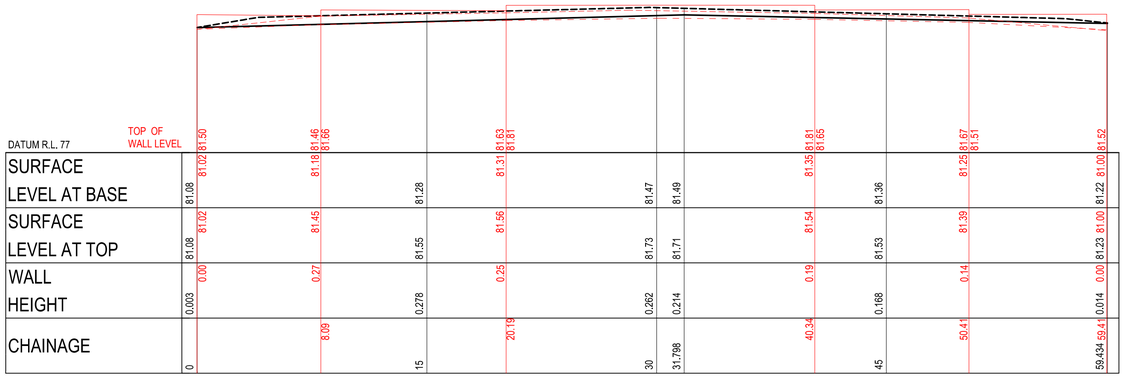
WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

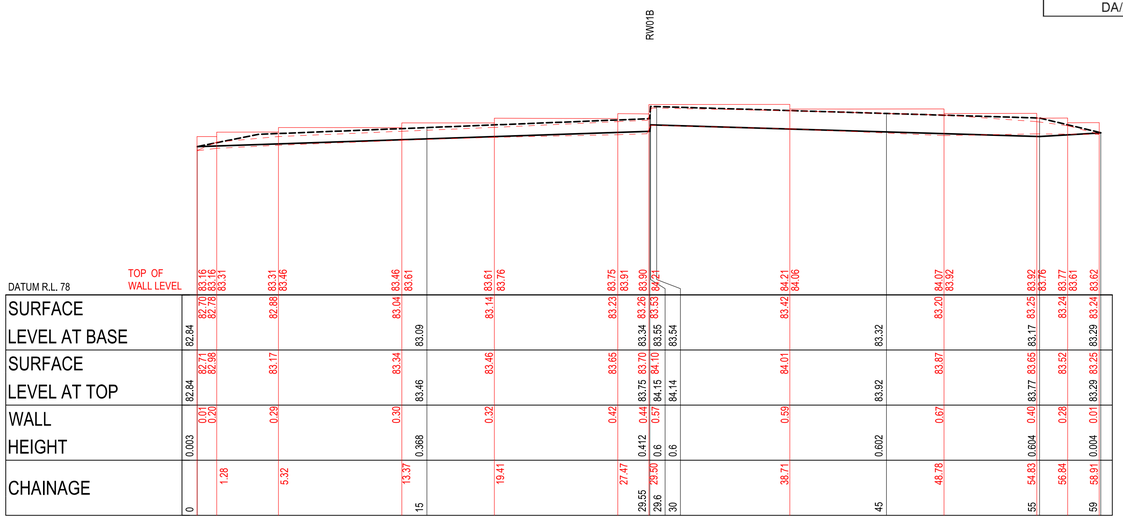


RETAINING WALL PROFILE - RW07
SCALE 1:200 (H)
SCALE 1:100 (V)

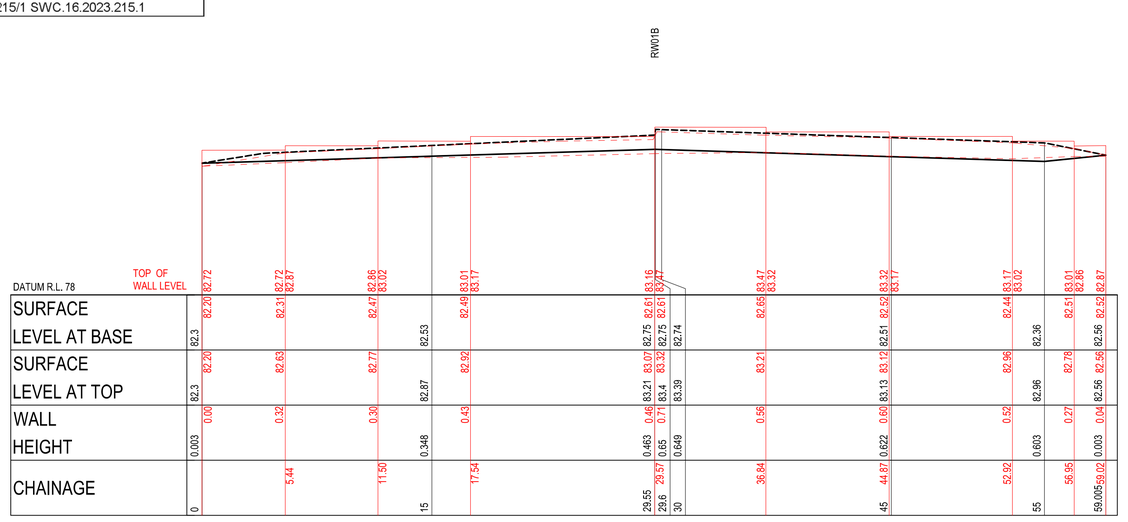


RETAINING WALL PROFILE - RW08
SCALE 1:200 (H)
SCALE 1:100 (V)

CAMDEN COUNCIL
Approved by the Council of Camden under the provisions of the Environment Planning and Assessment Act 1979
APPROVAL
22/03/2024
SUBDIVISION WORKS CERTIFICATE
DA/2023/215/1 SWC.16.2023.215.1



RETAINING WALL PROFILE - RW05
SCALE 1:200 (H)
SCALE 1:100 (V)



RETAINING WALL PROFILE - RW06
SCALE 1:200 (H)
SCALE 1:100 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
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SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
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For: mirvac

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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
RETAINING WALL PROFILES SHEET 02

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	703	F

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:
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- WALL DESIGN TO ENSURE NO PIERS ARE POSITIONED OVER PROPOSED STORMWATER PIPES AT CROSSINGS.
- WALLS HAVE BEEN MODELLED TO SUIT BENCH LOCATIONS, WALL STEPS TO STRUCTURAL DESIGN.
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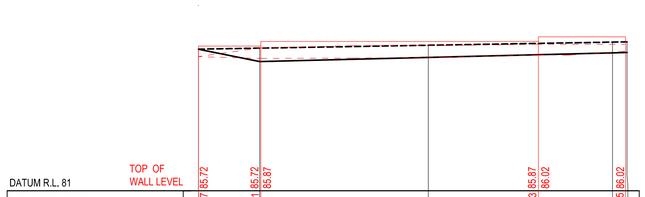
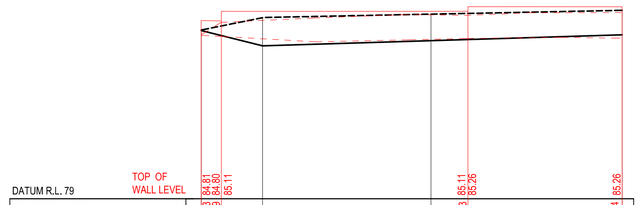
RW40B

RETAINING WALL PROFILE - RW30
SCALE 1:200 (H)
SCALE 1:100 (V)

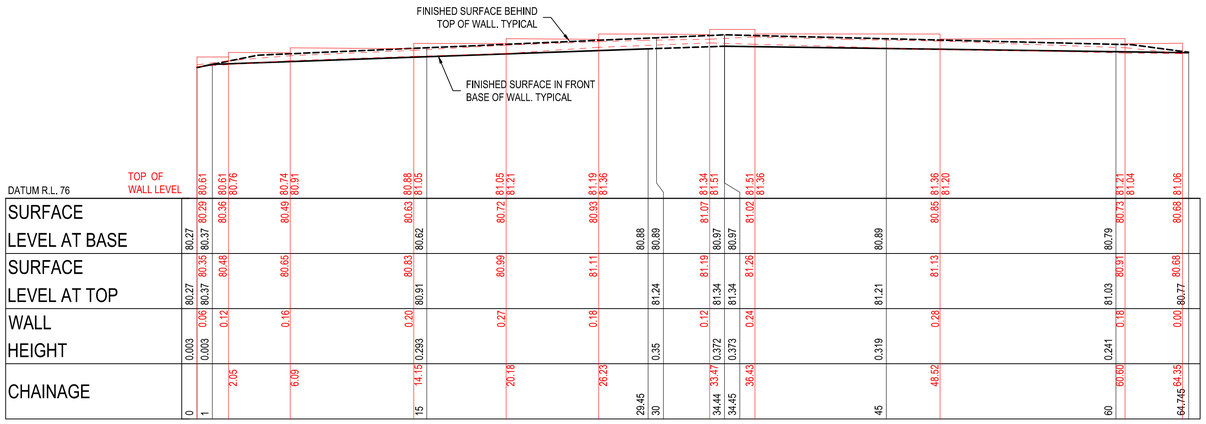


RETAINING WALL PROFILE - RW31
SCALE 1:200 (H)
SCALE 1:100 (V)

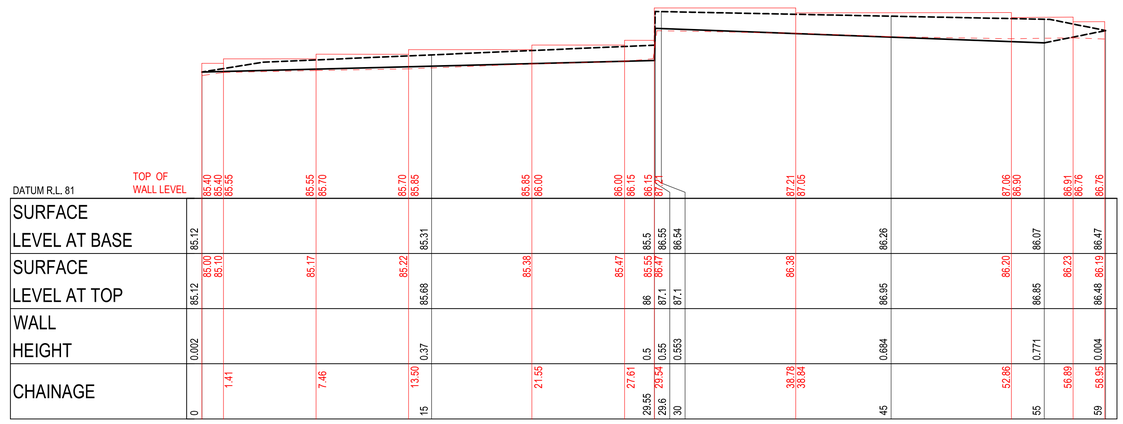


RETAINING WALL PROFILE - RW32
SCALE 1:200 (H)
SCALE 1:100 (V)

RW01B



RETAINING WALL PROFILE - RW09
SCALE 1:200 (H)
SCALE 1:100 (V)



RETAINING WALL PROFILE - RW10
SCALE 1:200 (H)
SCALE 1:100 (V)

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
RETAINING WALL PROFILES SHEET 03

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	704	F

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:
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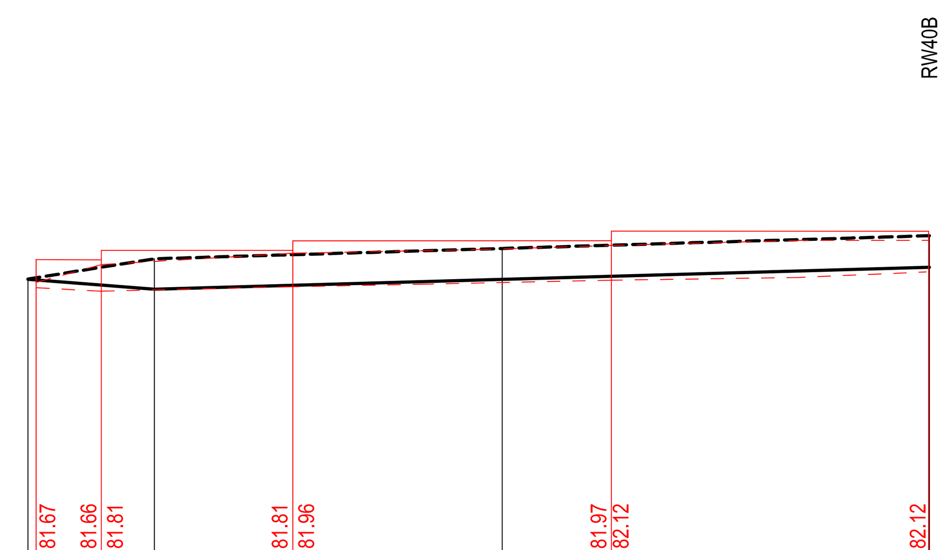
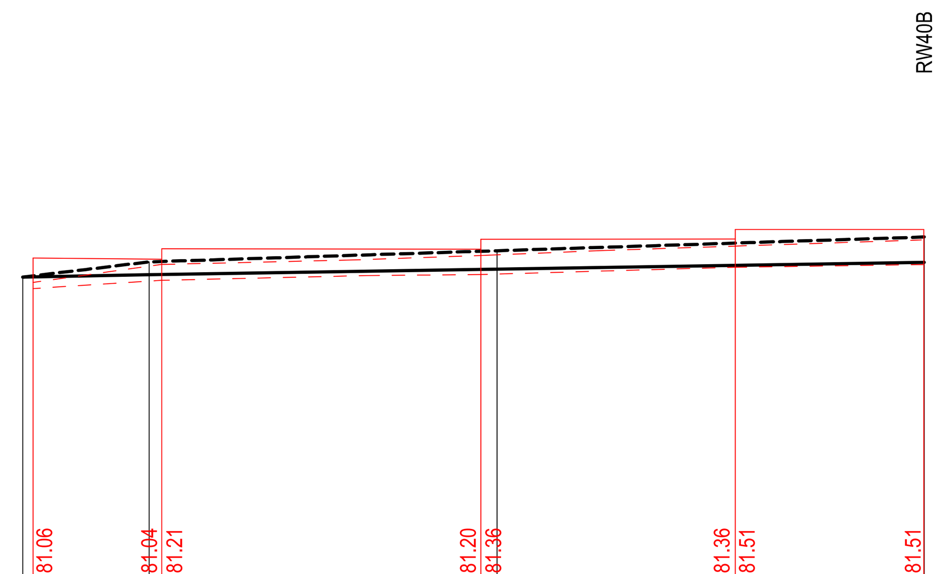


DATUM R.L. 77

(top labels)		81.67	81.66 81.81		81.81 81.96		81.97 82.12	82.12	
SURFACE LEVEL AT BASE	81.36	81.22	81.17	81.2	81.24	81.36	81.34	81.47	81.55
SURFACE LEVEL AT TOP	81.36	81.31	81.59	81.68	81.77	81.85	81.89	81.97	82.05
WALL HEIGHT	0.003	0.09	0.42	0.483	0.53	0.49	0.55	0.50	0.5
CHAINAGE	0	0.24	2.30	4	8.36	15	18.43	28.46	28.5

RETAINING WALL PROFILE - RW36
SCALE 1:200 (H)
SCALE 1:100 (V)



DATUM R.L. 76

(top labels)		81.06		81.04 81.21	81.20 81.36		81.36 81.51	81.51	
SURFACE LEVEL AT BASE	80.76	80.58	80.8	80.71	80.80	80.89	80.92	80.96	81
SURFACE LEVEL AT TOP	80.77	80.68	81.01	80.96	81.10	81.18	81.25	81.35	81.4
WALL HEIGHT	0.002	0.10	0.202	0.25	0.30	0.291	0.33	0.39	0.4
CHAINAGE	0	0.31	4	4.38	14.46	15	22.51	28.47	28.5

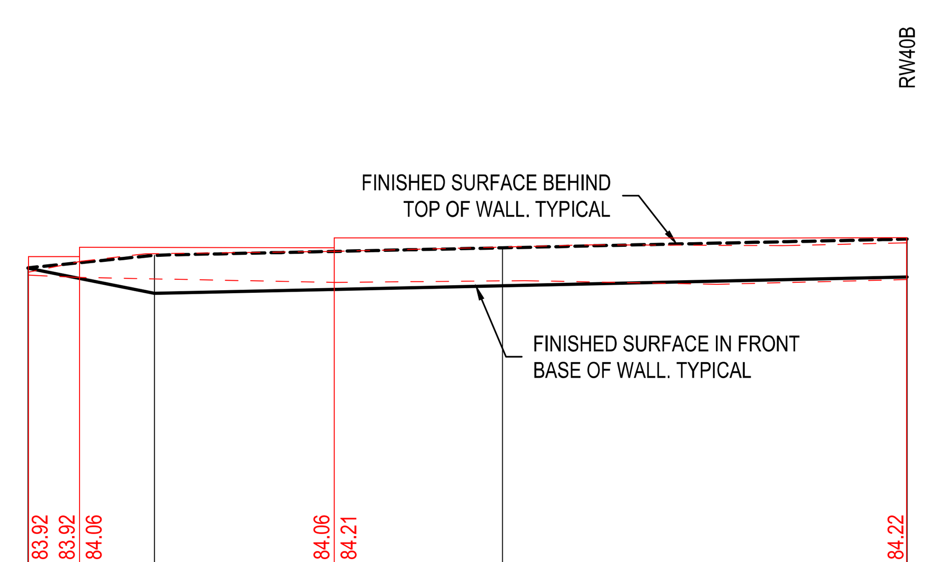
RETAINING WALL PROFILE - RW37
SCALE 1:200 (H)
SCALE 1:100 (V)

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

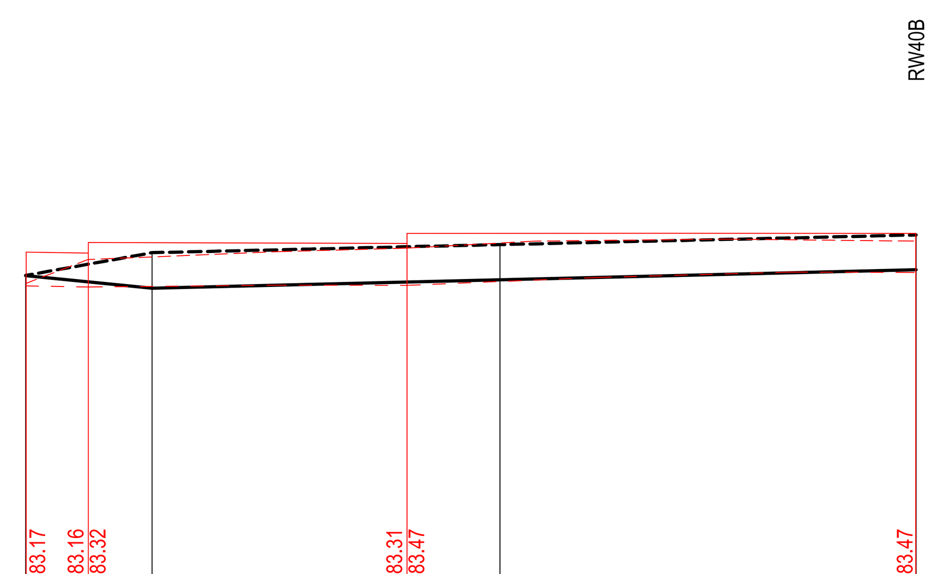
DA/2023/215/1 SWC.16.2023.215.1



DATUM R.L. 79

(top labels)		83.92	83.92 84.06		84.06 84.21		84.22	
SURFACE LEVEL AT BASE	83.74	83.62	83.59	83.34	83.51	83.46	83.55	83.6
SURFACE LEVEL AT TOP	83.74	83.67	83.84	83.94	84.00	84.06	84.13	84.2
WALL HEIGHT	0.004	0.05	0.25	0.604	0.49	0.602	0.58	0.6
CHAINAGE	0	1.55	1.61	4	9.60 9.66	15	27.74	27.782

RETAINING WALL PROFILE - RW33
SCALE 1:200 (H)
SCALE 1:100 (V)



DATUM R.L. 78

(top labels)		83.17	83.16 83.32		83.31 83.47		83.47	
SURFACE LEVEL AT BASE	82.81	82.64	82.62	82.61	82.65	82.74	82.85	82.9
SURFACE LEVEL AT TOP	82.81	82.68	83.06	83.17	83.24	83.3	83.35	83.45
WALL HEIGHT	0.003	0.04	0.44	0.563	0.59	0.557	0.50	0.55
CHAINAGE	0		1.97	4	12.04	15	28.12	28.158

RETAINING WALL PROFILE - RW34
SCALE 1:200 (H)
SCALE 1:100 (V)

DATUM R.L. 77

(top labels)		82.41	82.39 82.56		82.54 82.71		82.69 82.86	82.86	
SURFACE LEVEL AT BASE	82.1	81.92	81.98	81.9	81.96	82.03	82.09	82.27	82.2
SURFACE LEVEL AT TOP	82.1	81.92	82.27	82.42	82.47	82.57	82.66	82.70	82.75
WALL HEIGHT	0.003	0.00	0.29	0.523	0.51	0.535	0.57	0.43	0.55
CHAINAGE	0	0.20	2.27	4	10.33	15	22.39	28.40	28.438

RETAINING WALL PROFILE - RW35
SCALE 1:200 (H)
SCALE 1:100 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
RETAINING WALL PROFILES SHEET 04

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	705	F

WORKS AS EXECUTED

WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025

REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:

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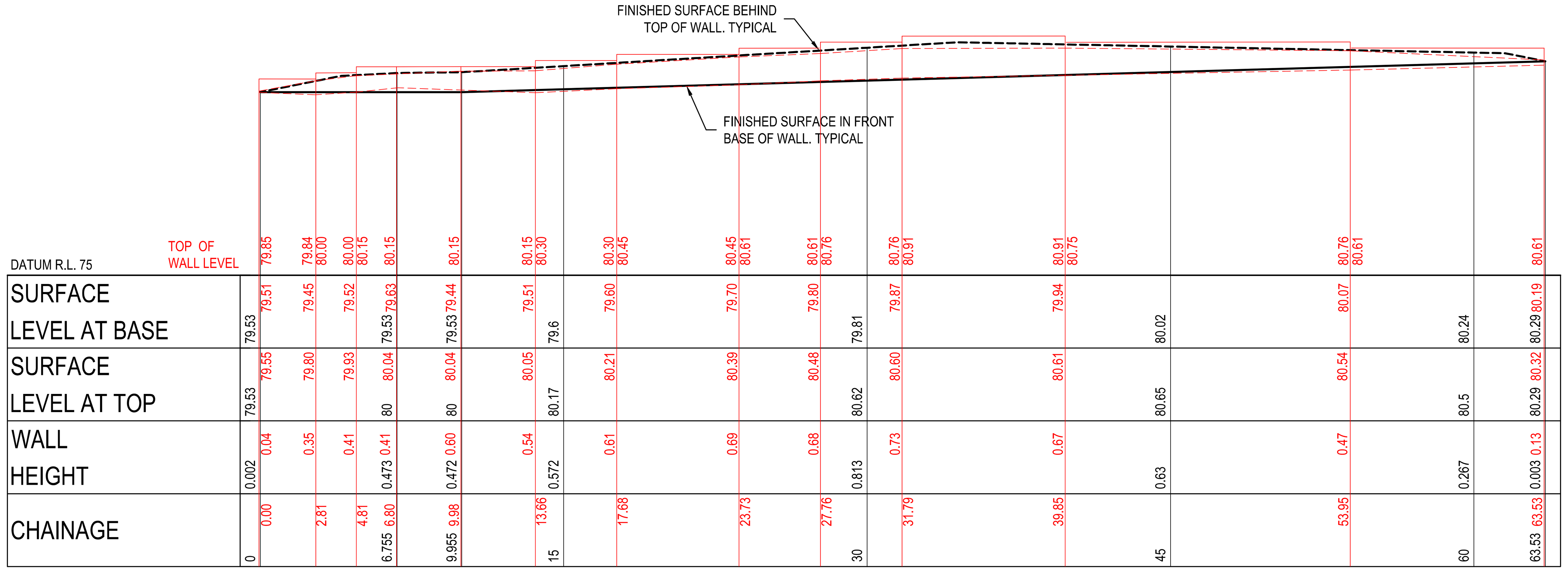


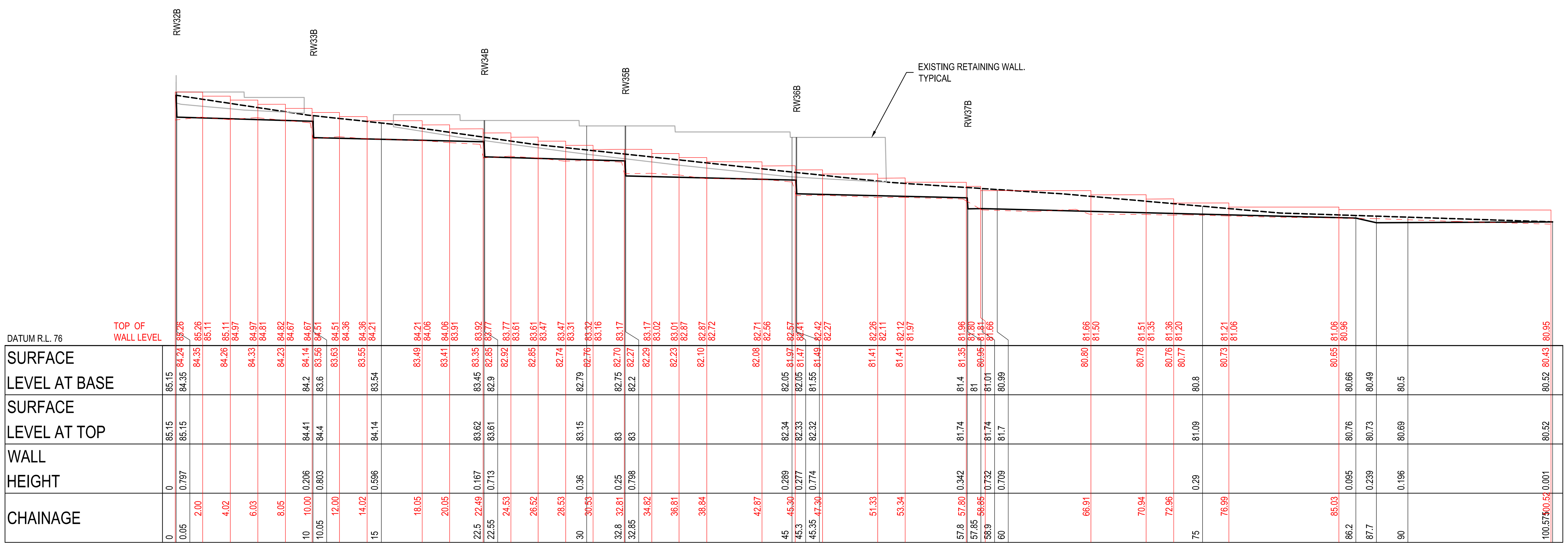
RETAINING WALL PROFILE - RW25
SCALE 1:200 (H)
SCALE 1:100 (V)

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

22/03/2024

SUBDIVISION WORKS CERTIFICATE

DA/2023/215/1 SWC.16.2023.215.1



RETAINING WALL PROFILE - RW40
SCALE 1:200 (H)
SCALE 1:100 (V)

ISSUED FOR SUBDIVISION WORKS CERTIFICATE

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
RETAINING WALL PROFILES SHEET 05

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	706	F

WORKS AS EXECUTED
WORKS AS EXECUTED INFORMATION SHOWN IN RED.
DATE: 07/02/2025
REGISTERED SURVEYOR ID: 8890
ORION GROUP

NOTE:
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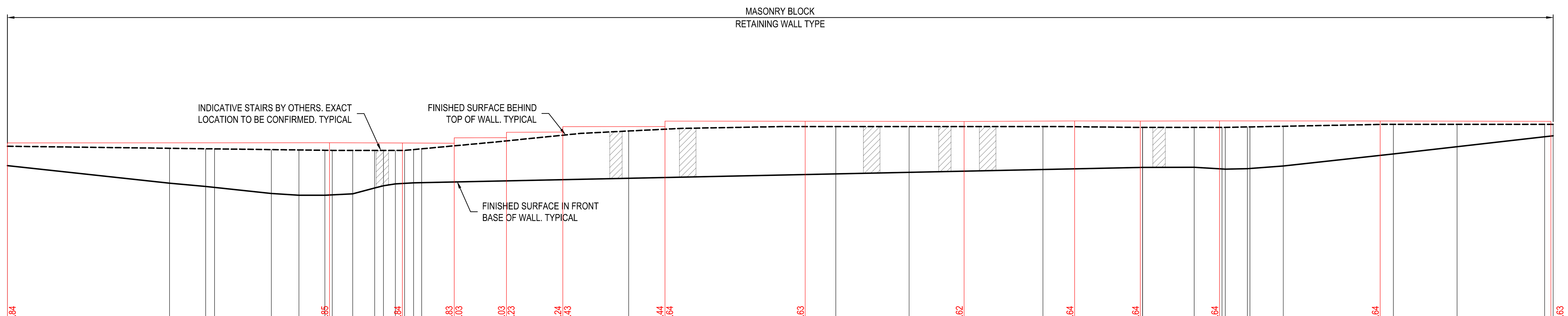
CAMDEN COUNCIL
Approved by the Council of Camden under the provisions of the Environment Planning and Assessment Act 1979
APPROVAL
22/03/2024
SUBDIVISION WORKS CERTIFICATE
DA/2023/215/1 SWC.16.2023.215.1

G



DATUM R.L. 76

CHAINAGE	SURFACE LEVEL AT BASE	SURFACE LEVEL AT TOP	WALL HEIGHT
-0	82.03	82.73	0.701
11.741	81.39	82.66	1.262
14.355	81.27	82.64	1.364
15	81.24	82.63	1.394
19.114	81.02	82.61	1.589
21.114	80.96	82.6	1.637
22.99	80.95	82.58	1.628
23.523	80.97	82.58	1.611
25.004	81.01	82.58	1.573
26.598	81.22	82.58	1.362
27.23	81.3	82.58	1.279
28.1	81.37	82.58	1.213
28.766	81.39	82.58	1.193
29.421	81.41	82.61	1.203
30	81.41	82.64	1.223
45	81.57	83.28	1.71
60	81.73	83.44	1.71
65.307	81.79	83.44	1.654
75	81.89	83.44	1.552
82.215	81.96	83.41	1.446
82.225	81.96	83.41	1.446
85.958	81.97	83.41	1.443
87.971	81.91	83.41	1.504
88.206	81.9	83.41	1.513
89.809	81.92	83.43	1.51
90	81.92	83.43	1.505
92.411	82.01	83.45	1.438
100.384	82.45	83.52	1.07
105	82.71	83.52	0.807
111.337	83.07	83.52	0.445
111.959	83.11	83.52	0.415

CHAINAGE (WAE)	TOP OF WALL LEVEL (WAE)
0.00	82.84
23.33	82.85
28.61	82.84
32.36	82.83 / 83.03
36.15	83.03 / 83.23
40.23	83.24 / 83.43
47.63	83.44 / 83.64
57.79	83.63
69.29	83.62
77.30	83.64
82.06	83.64
87.80	83.64
99.43	83.64
111.80	83.63

RETAINING WALL PROFILE - RW41
SCALE 1:200 (H)
SCALE 1:100 (V)

ISSUED FOR **SUBDIVISION WORKS CERTIFICATE**

Rev	Drawn	Design	Check	Appd.	Date	Revision Description
G	RL/WP	LMc	AP	AP	20/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
F	WP	LMc	AP	AP	07/03/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
E	WP	LMc	AP	AP	27/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
D	RL	LMc	AP	AP	07/02/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
C	RL	LMc	AP	AP	23/01/2024	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
B	RL	LMc	MP	AP	01/12/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE
A	RL	LM/YK	MP	AP	27/11/2023	ISSUED FOR SUBDIVISION WORKS CERTIFICATE

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Scale:
0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 (A1) SCALE 1:200 (A3)
0 5 10 15 20 25 30 35 40 45 50
SCALE 1:500 (A1) SCALE 1:1000 (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

Project:
589, 591 & 593 COBBITTY ROAD, COBBITTY
(TRANCHE 4, STAGE 3a.)
ROAD & DRAINAGE DESIGN

Title:
RETAINING WALL PROFILES SHEET 06

Project No.	Set No.	Milestone	Plan	Revision
23-0563	01	SWC	707	G