

26 LITHGOW STREET, GOULBURN, NSW 2580

TOWN HOUSE DEVELOPMENT
ISSUED FOR APPROVAL
NOVEMBER 2024



nearmap Dated: 03/03/2024
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SCHEDULE OF DRAWINGS		
SHEET NUMBER	SHEET TITLE	REVISION
GENERAL		
C001	COVER SHEET AND SITE LOCALITY	A
C002	SCHEDULE OF DRAWINGS	A
C003	GENERAL NOTES ABBREVIATIONS AND ACRONYMS	A
C010	EXISTING SITE & SURVEY CONTROL PLAN	A
C020	TREE REMOVAL AND DEMOLITION PLAN	A
EROSION AND SEDIMENT CONTROL PLAN		
C030	EROSION AND SEDIMENT CONTROL PLAN	A
C031	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS	A
BULK EARTHWORKS		
C100	CUT AND FILL PLAN	A
C101	SITE REGRADING SECTIONS - SHEET 1 OF 2	A
C102	SITE REGRADING SECTIONS - SHEET 2 OF 2	A
SITE REGRADING		
C110	SITE GRADING PLAN	A
ROAD WORKS		
C200	PLAN OF CIVIL WORKS	A
C210	RETAINING WALL PLAN AND LONGITUDINAL SECTIONS	A
C250	OSD BASIN & DETAILS	A
C350	TURNING PATHS	A
STORMWATER DRAINAGE CATCHMENT		
C520	STORMWATER LONGITUDINAL SECTIONS	A
C550	STORMWATER CATCHMENT LAYOUT PLAN	A
C555	EXTERNAL CATCHMENT PLAN	A
MUSIC CATCHMENT		
C560	MUSIC MODELLING CATCHMENT PLAN	A
SEWER LAYOUT PLAN		
C600	SEWER RETICULATION LAYOUT PLAN	A
C605	SEWER PIPE LONGITUDINAL SECTIONS	A
WATER LAYOUT PLAN		
C650	WATER RETICULATION LAYOUT PLAN	A

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	<div><div></div><div>ORAN PARK OFFICE</div><div><div>SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570 Ph. (02) 4632 6500 contact: 1300 017 736 www.premise.com.au</div></div><div>Premise</div></div>	NORTH		APPROVAL AUTHORITY		SHEET TITLE			
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-		SCALE	N/A	GOULBURN MULWAREE COUNCIL		SCHEDULE OF DRAWINGS			
					DESIGNED TUNG PHAM	TP	07/11/24				CLIENT		GOULBURN PROJECTS		DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A	
					CHECKED MICHA ZESCHKE	MZ	07/11/24				PROJECT		TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580		SURVEY MARK R.L.	
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24				STATUS FOR APPROVAL		ORIGINAL A1		JOB CODE P001907	
					ENGINEERING CERTIFICATION	MZ	07/11/24								SHEET NUMBER C002	
					MICHA ZESCHEKE										REV A	



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THE ASSETS OWNERS LISTED BELOW HAVE BEEN IDENTIFIED NEAR THE WORK SITE:	
• ESSENTIAL ENERGY	13 23 91
• JEMENA GAS	
• PIPELINE EGP(NSW)	1300 880 906
• NBN Co NswAct	1800 687 626
• GOULBURN MULWAREE COUNCIL	02 4823 4500
• SYDNEY WATER	13 20 92

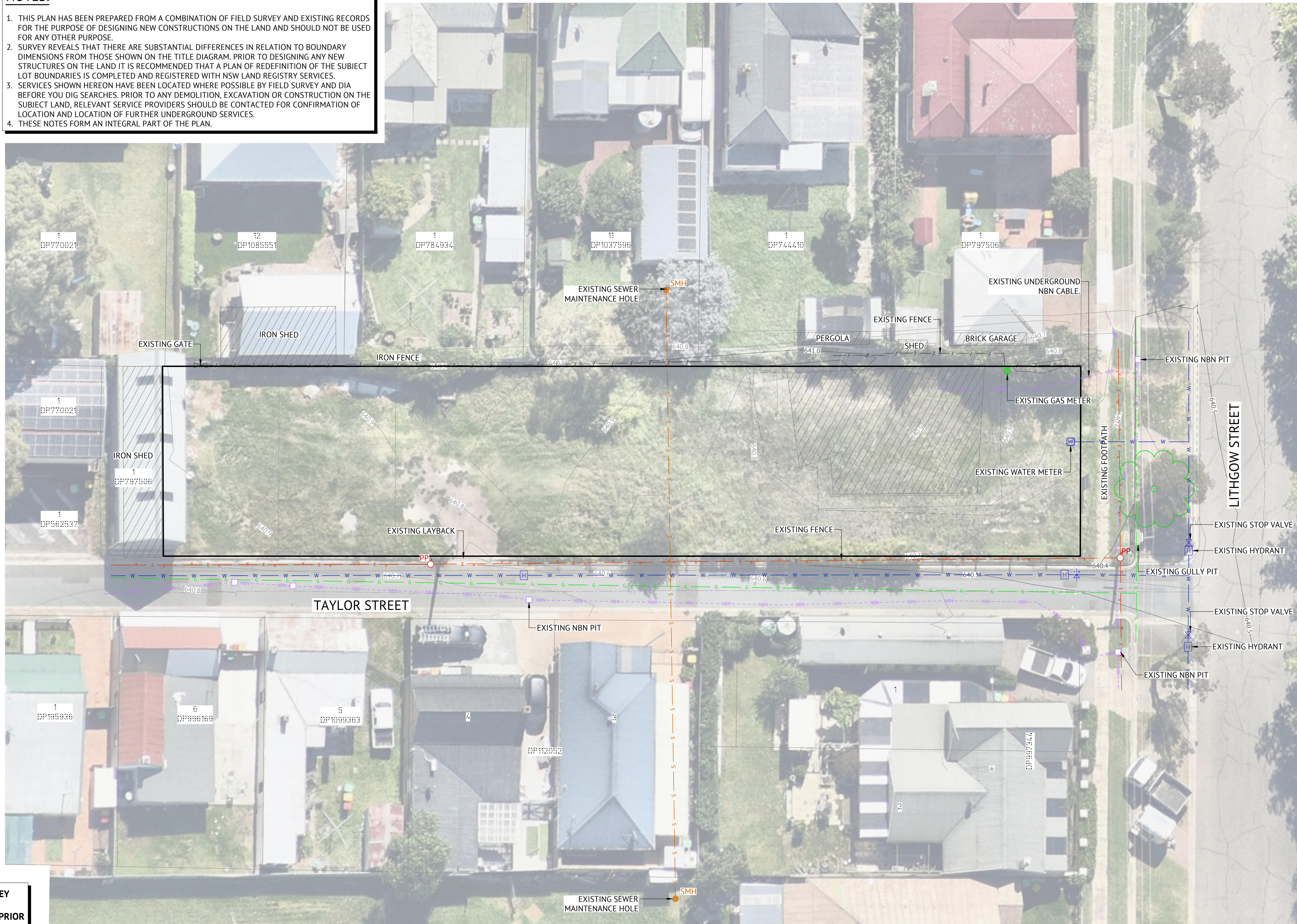
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NOTES:

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LEGEND

- EXISTING CONTOUR MAJOR (0.5m INTERVAL)
- EXISTING CONTOUR MINOR (0.1m INTERVAL)
- EXISTING ELECTRICITY
- EXISTING SEWER
- EXISTING UNDERGROUND NBN CABLE
- EXISTING GAS
- EXISTING WATER
- EXISTING KERB & GUTTER
- EXISTING KERB & GUTTER TO BE REMOVED
- EXISTING ROAD CENTRELINE
- EXISTING FENCE
- EXISTING FENCE TO BE REMOVED
- EXISTING WATER METER
- EXISTING SEWER MAINTENANCE HOLE
- EXISTING GAS METER
- EXISTING HYDRANT
- EXISTING STOP VALVE
- EXISTING NBN PIT
- EXISTING BUILDING
- EXISTING BUILDING FOUNDATIONS TO BE REMOVED
- EXISTING LIGHT POLE
- EXISTING DISH DRAIN
- EXISTING GULLY PIT
- EXISTING TREE

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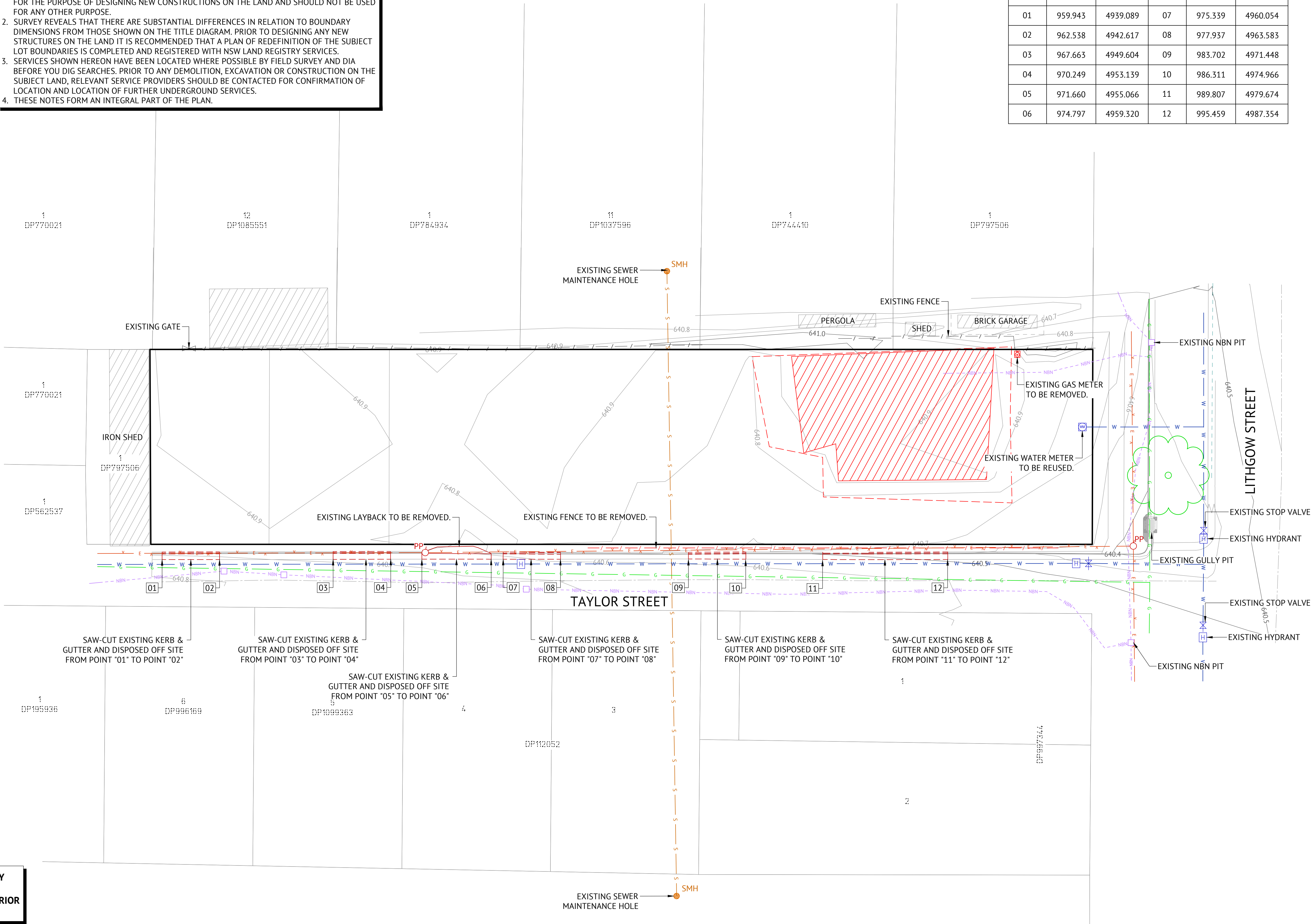
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POINTS	EASTING	NORTHING	POINTS	EASTING	NORTHING
01	959.943	4939.089	07	975.339	4960.054
02	962.538	4942.617	08	977.937	4963.583
03	967.663	4949.604	09	983.702	4971.448
04	970.249	4953.139	10	986.311	4974.966
05	971.660	4955.066	11	989.807	4979.674
06	974.797	4959.320	12	995.459	4987.354



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									DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A
									SURVEY MARK R.L.
									IMAGE SOURCE DATUM
									STATUS FOR APPROVAL ORIGINAL A1
									JOB CODE P001907
									SHEET NUMBER C020
									REV A



LEGEND

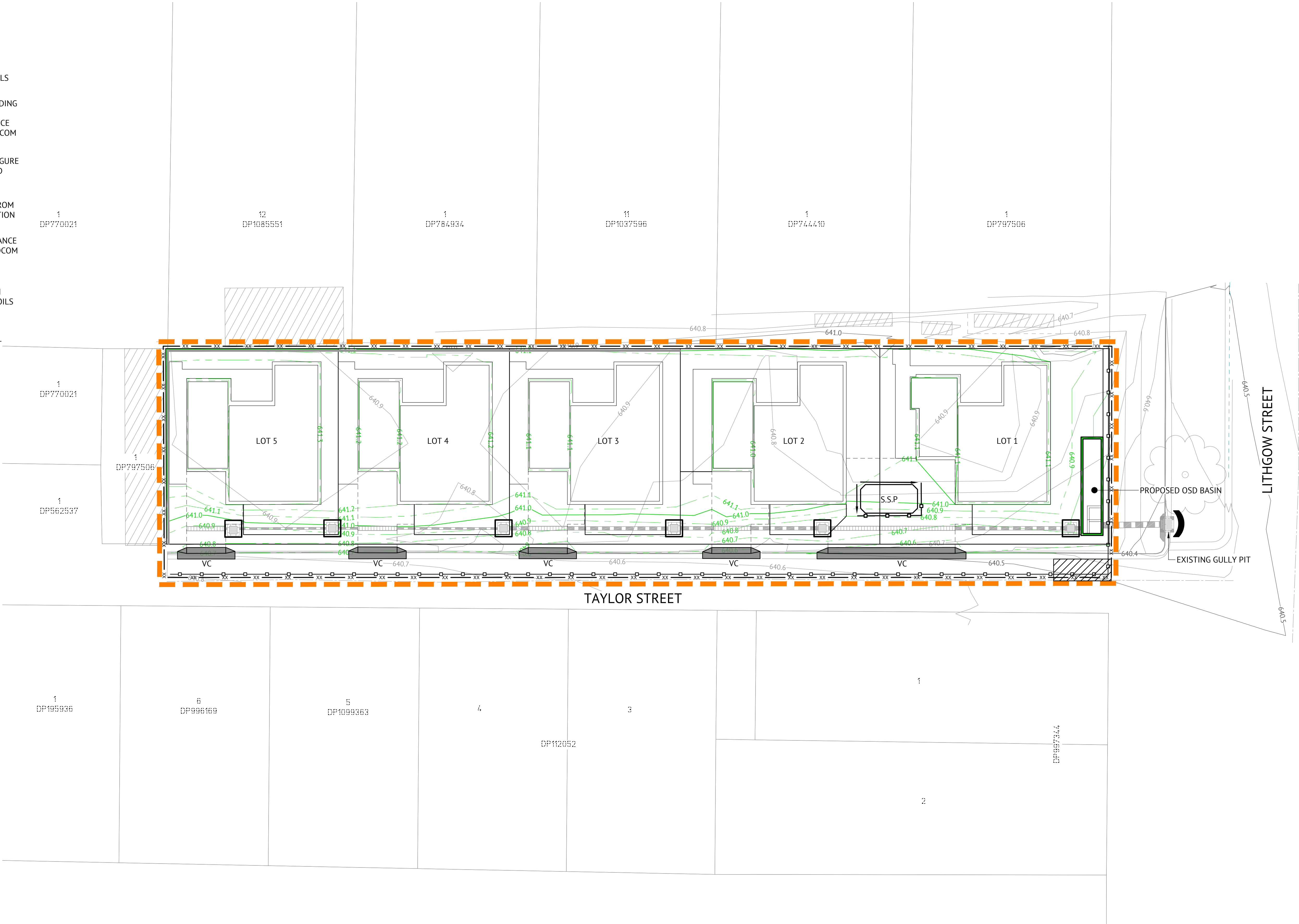
- SEDIMENT FENCE (FIGURE SD 6-8) IN ACCORDANCE WITH THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- SITE FENCE/LIMIT OF CLEARING & GRADING
- STABILISED SITE ACCESS IN ACCORDANCE WITH FIGURE SD 6-14 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- EARTH BANK IN ACCORDANCE WITH FIGURE SD 5-5 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- MESH AND GRAVEL INLET FILTER IN ACCORDANCE WITH FIGURE SD 6-11 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- GEOTEXTILE INLET FILTER IN ACCORDANCE WITH FIGURE SD 6-12 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- LIMIT OF WORKS
- SOIL STOCKPILE IN ACCORDANCE WITH FIGURE SD 4-1 FROM THE LANDCOM SOILS AND CONSTRUCTION MANUAL.
- PROPOSED STORMWATER PIPE
- PROPOSED GRATED SURFACE INLET PIT
- EXISTING GULLY PIT
- DESIGN CONTOUR MAJOR (0.50m INTERVAL)
- DESIGN CONTOUR MINOR (0.10m INTERVAL)
- EXISTING KERB & GUTTER
- EXISTING ROAD CENTRELINE
- EXISTING CONTOUR MAJOR (0.50m INTERVAL)
- EXISTING CONTOUR MINOR (0.10m INTERVAL)
- EXISTING DISH DRAIN
- EXISTING TREE
- EXISTING BUILDING
- GRATED DRAIN S300K
- PROPOSED CONCRETE VEHICULAR LAYBACK CROSSING
- FUTURE DRIVEWAY
- FUTURE DRIVEWAY

NOTE

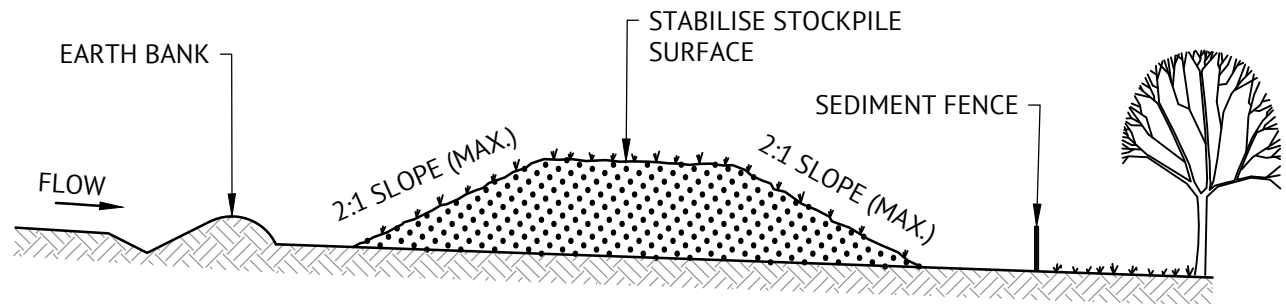
THIS PLAN IS TO BE PRINTED AND READ IN COLOUR.

NOTE

SEE SHEET C0031 FOR EROSION & SEDIMENT CONTROL DETAILS.



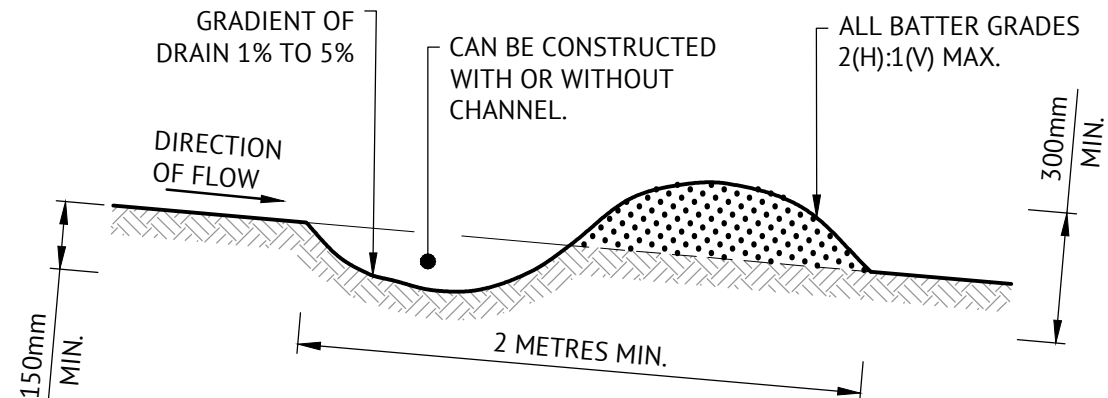
REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	APPROVAL AUTHORITY	SHEET TITLE
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED - DESIGNED TUNG PHAM CHECKED MICHA ZESCHKE PROJECT MANAGER MICHA ZESCHKE ENGINEERING CERTIFICATION MICHA ZESCHKE	- TP MZ MZ MZ	- 07/11/24 07/11/24 07/11/24 07/11/24	GOULBURN MULWAREE COUNCIL GOULBURN PROJECTS TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580	EROSION AND SEDIMENT CONTROL PLAN
									DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A
									JOB CODE P001907
									IMAGE SOURCE R.L.
									SHEET NUMBER C030
									REVISION A
									STATUS FOR APPROVAL
									DATUM ORIGINAL
									REVISION A1



CONSTRUCTION NOTES

1. PLACE STOCKPILES MORE THAN 2m (PREFERABLY 5m) FROM EXISTING VEGETATION, CONCENTRATED WATER FLOW, ROADS AND HAZARD AREAS.
2. CONSTRUCT ON THE CONTOUR AS LOW, FLAT, ELONGATED MOUNDS.
3. WHERE THERE IS SUFFICIENT AREA, TOPSOIL STOCKPILES SHALL BE LESS THAN 2m IN HEIGHT.
4. WHERE THEY ARE TO BE IN PLACE FOR MORE THAN 10 DAYS, STABILISE FOLLOWING THE APPROVED ESCP OR SWMP TO REDUCE THE C-FACTOR TO LESS THAN 0.10.
5. CONSTRUCT EARTH BANKS (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT WATER AROUND STOCKPILES AND SEDIMENT FENCES (STANDARD DRAWING 6-8) 1 TO 2m DOWNSLOPE.

STOCKPILES (SD 4-1)

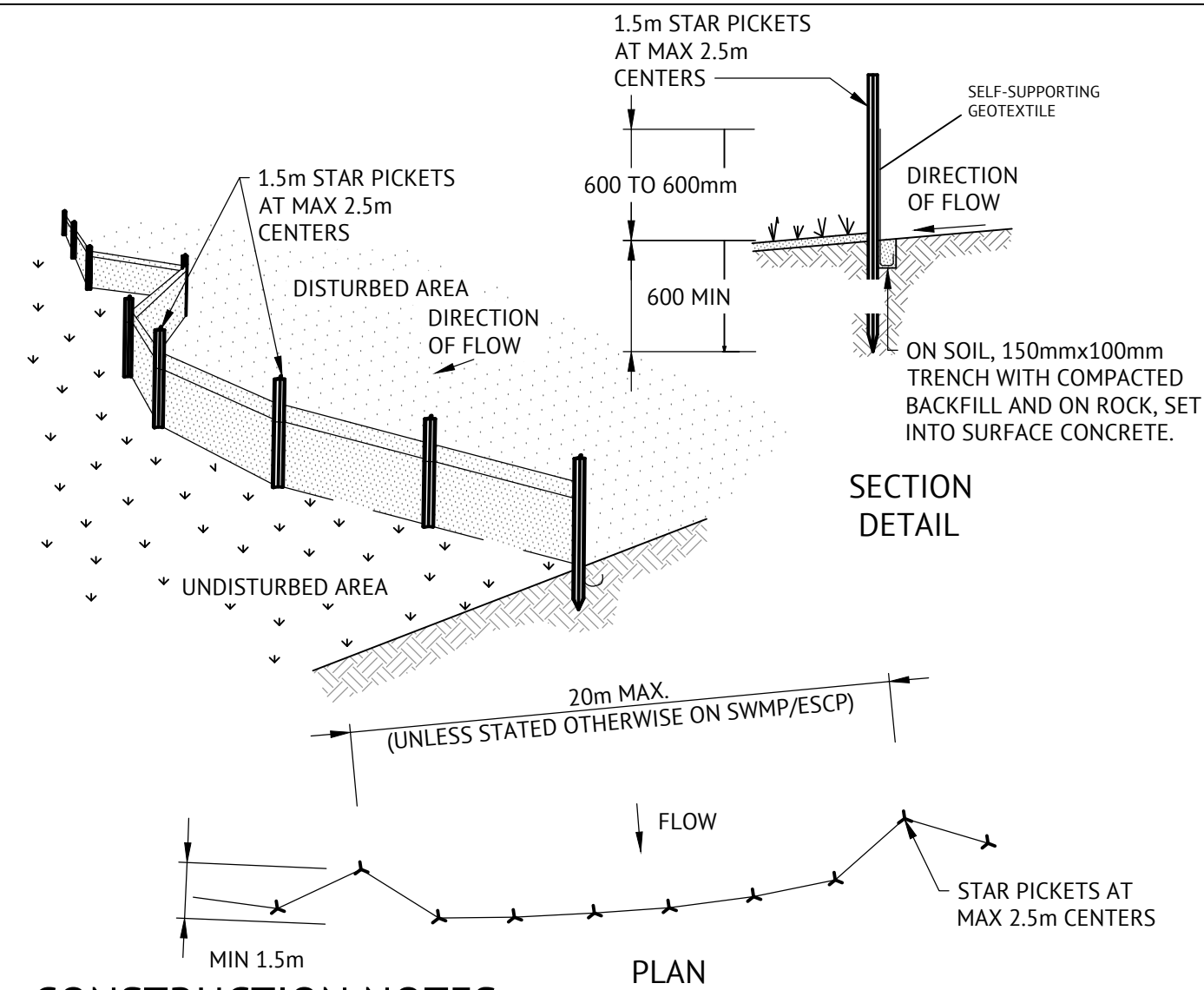


CONSTRUCTION NOTES

1. BUILD WITH GRADIENTS BETWEEN 1 AND 5 PERCENT.
2. AVOID REMOVING TREES AND SHRUBS IF POSSIBLE - WORK AROUND THEM.
3. ENSURE THE STRUCTURES ARE FREE OF PROJECTIONS OR OTHER IRREGULARITIES THAT COULD IMPEDE WATER FLOW.
4. BUILD THE DRAINS WITH CIRCULAR, PARABOLIC OR TRAPEZOIDAL CROSS SECTIONS, NOT V SHAPED.
5. ENSURE THE BANKS ARE PROPERLY COMPACTED TO PREVENT FAILURE.
6. COMPLETE PERMANENT OR TEMPORARY STABILISATION WITHIN 10 DAYS OF CONSTRUCTION.

NOTE: ONLY TO BE USED AS TEMPORARY BANK WHERE MAXIMUM UPSLOPE LENGTH IS 80 METRES.

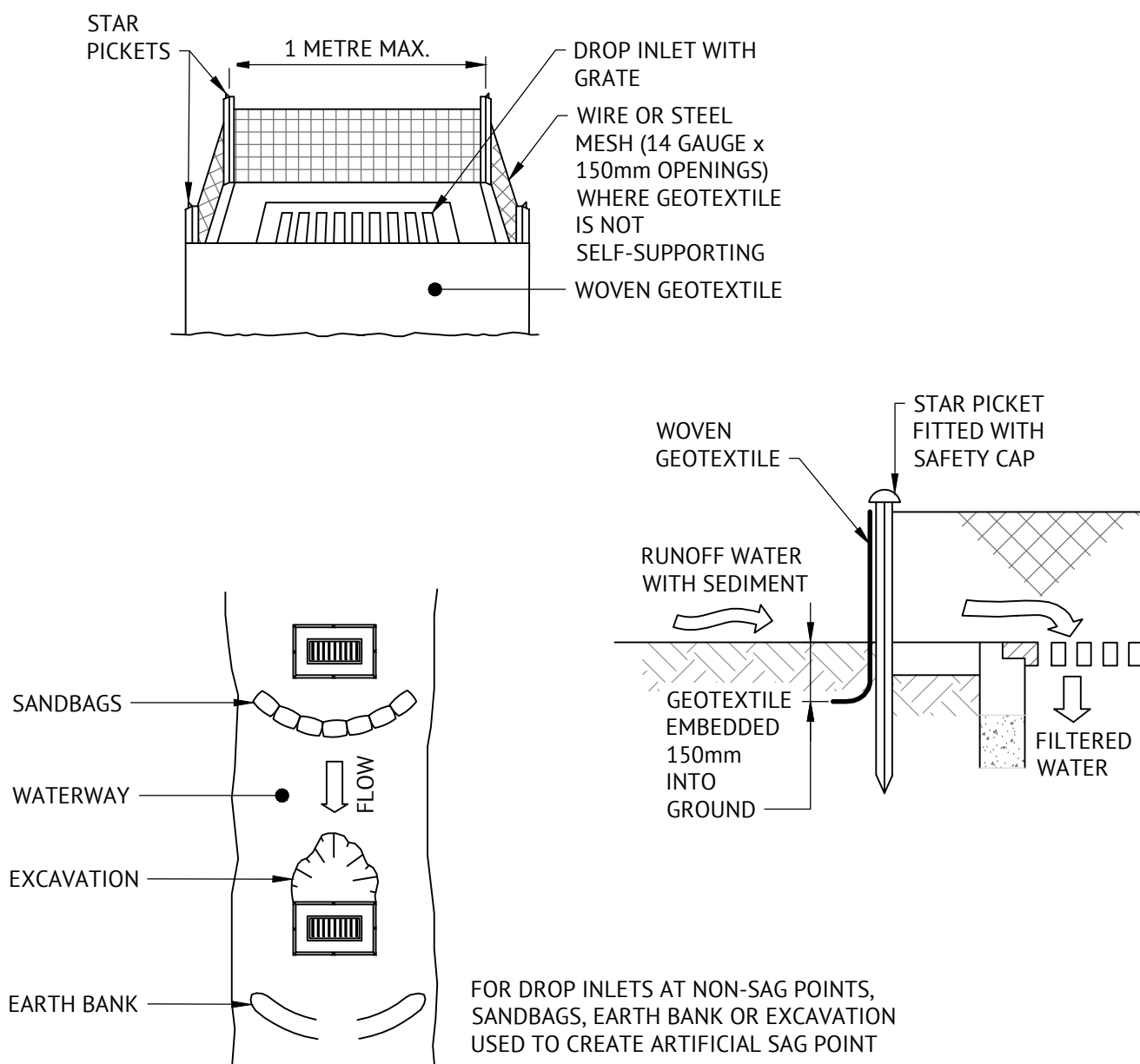
EARTH BANK - LOW FLOW (SD 5-5)



CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCES AS CLOSE AS POSSIBLE TO BEING PARALLEL TO THE CONTOURS OF THE SITE, BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.
2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.
3. DRIVE 1.5 METRE LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.
4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.
5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.
6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

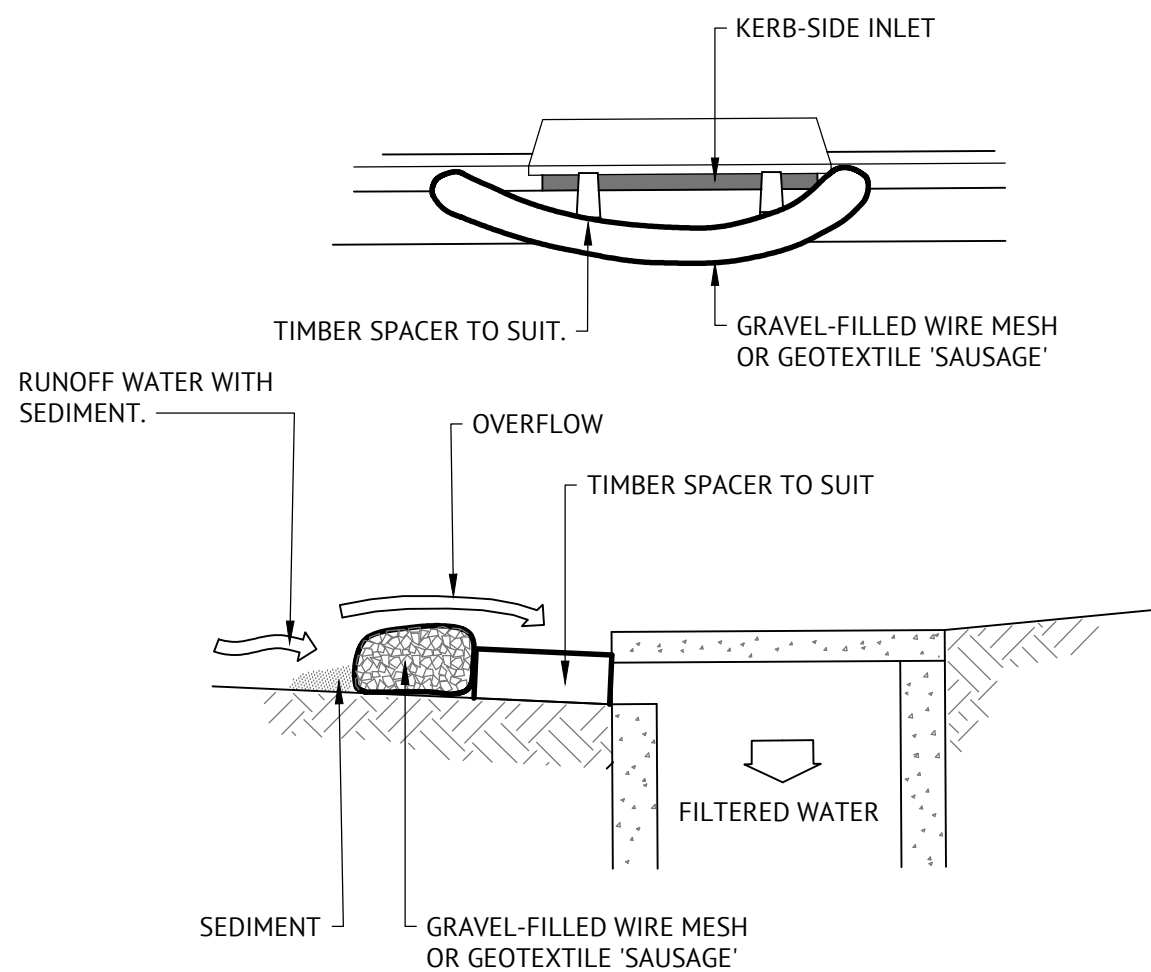
SEDIMENT FENCE (SD 6-8)



CONSTRUCTION NOTES

1. FABRICATE A SEDIMENT BARRIER MADE FROM GEOTEXTILE OR STRAW BALES.
2. FOLLOW STANDARD DRAWING 6-7 AND STANDARD DRAWING 6-8 FOR INSTALLATION PROCEDURES FOR THE STRAW BALES OR GEOTEXTILE. REDUCE THE PICKET SPACING TO 1 METRE CENTRES.
3. IN WATERWAYS, ARTIFICIAL SAG POINTS CAN BE CREATED WITH SANDBAGS OR EARTH BANKS AS SHOWN IN THE DRAWING.
4. DO NOT COVER THE INLET WITH GEOTEXTILE UNLESS THE DESIGN IS ADEQUATE TO ALLOW FOR ALL WATERS TO BYPASS IT.

GEOTEXTILE INLET FILTER (SD 6-12)

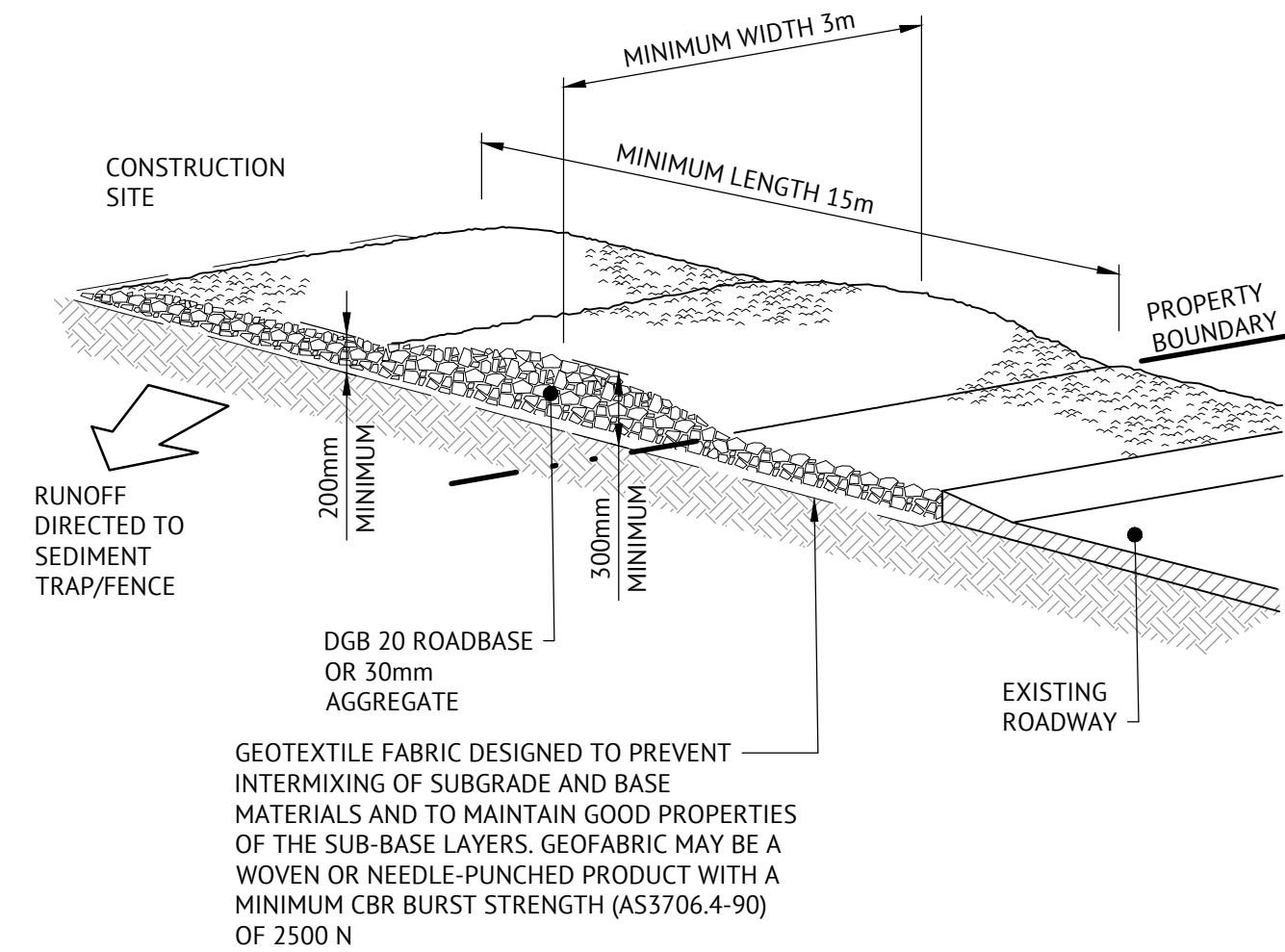


NOTE: THIS PRACTICE ONLY TO BE USED WHERE SPECIFIED IN APPROVED SWMP/ESCP.

CONSTRUCTION NOTES

1. INSTALL FILTERS TO KERB INLETS ONLY AT SAG POINTS.
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH x 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET. MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING THE FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

MESH AND GRAVEL INLET FILTER (SD 6-11)



CONSTRUCTION NOTES

1. STRIP THE TOPSOIL, LEVEL THE SITE AND COMPACT THE SUBGRADE.
2. COVER THE AREA WITH NEEDLE-PUNCHED GEOTEXTILE.
3. CONSTRUCT A 200mm THICK PAD OVER THE GEOTEXTILE USING ROAD BASE OR 30mm AGGREGATE.
4. ENSURE THE STRUCTURE IS AT LEAST 15 METRES LONG OR TO BUILDING ALIGNMENT AND AT LEAST 3 METRES WIDE.
5. WHERE A SEDIMENT FENCE JOINS ONTO THE STABILISED ACCESS, CONSTRUCT A HUMP IN THE STABILISED ACCESS TO DIVERT WATER TO THE SEDIMENT FENCE.

STABILISED SITE ACCESS (SD 6-14)

IMAGE SOURCE: LANDCOM BLUE BOOK

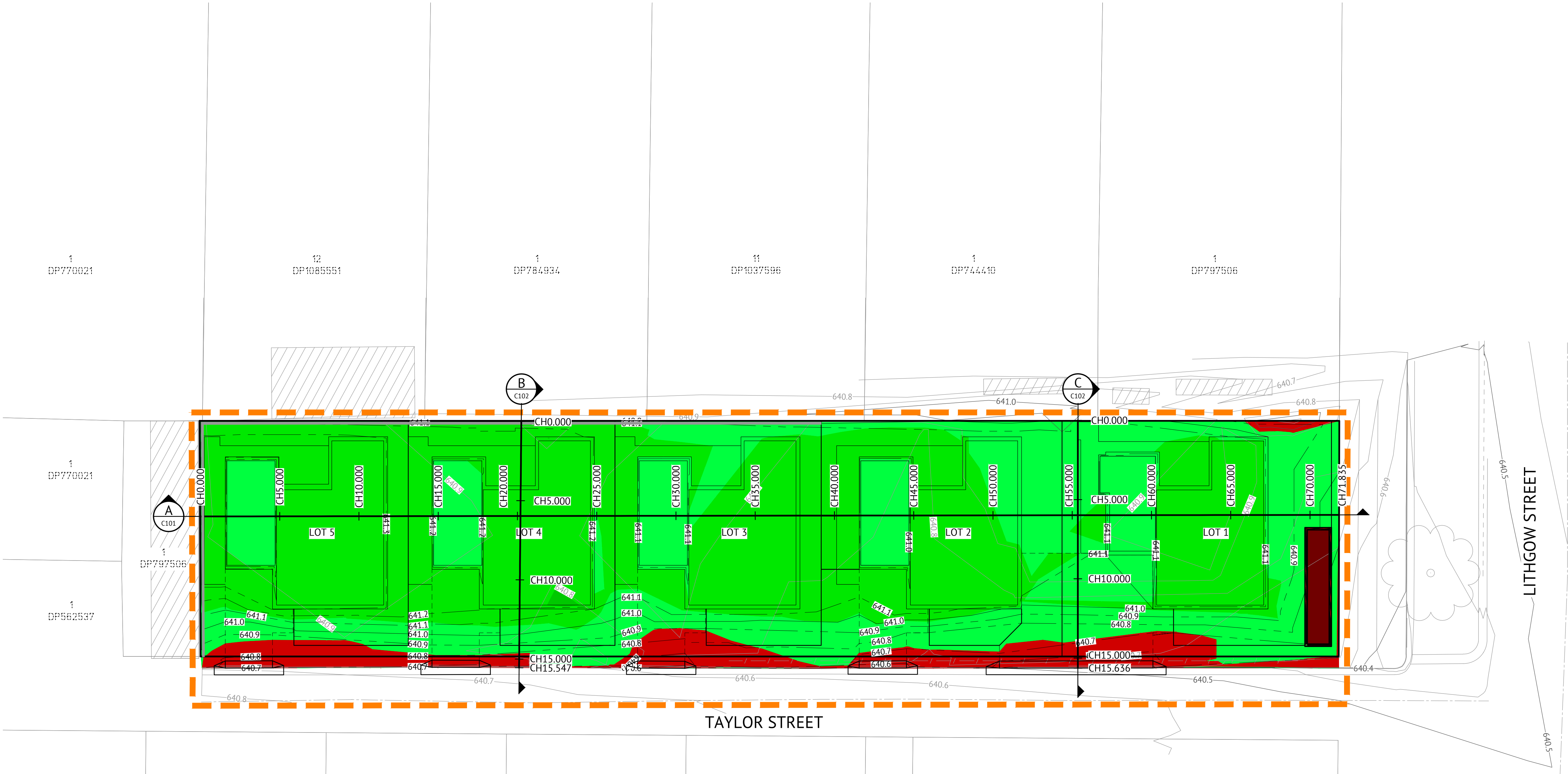
REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	NORTH	APPROVAL AUTHORITY	SHEET TITLE
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED - DESIGNED TUNG PHAM CHECKED MICHA ZESCHKE PROJECT MANAGER MICHA ZESCHKE ENGINEERING CERTIFICATION MICHA ZESCHKE	- TP MZ MZ MZ	- 07/11/24 07/11/24 07/11/24 07/11/24	SCALE N/A ORIGINAL SHEET SIZE A1	GOULBURN MULWAREE COUNCIL GOULBURN PROJECTS TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580	EROSION AND SEDIMENT CONTROL NOTES AND DETAILS DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A SURVEY MARK R.L. IMAGE SOURCE DATUM STATUS FOR APPROVAL ORIGINAL A1
										JOB CODE P001907 SHEET NUMBER C031 REV A



LEGEND

- LIMIT OF WORKS
- 649.5 DESIGN CONTOUR MAJOR (0.50m INTERVAL)
- DESIGN CONTOUR MINOR (0.10m INTERVAL)
- EXISTING KERB LINES
- EXISTING ROAD CENTRELINE
- 649.5 EXISTING CONTOUR MAJOR (0.50m INTERVAL)
- 649.5 EXISTING CONTOUR MINOR (0.10m INTERVAL)
- EXISTING DISH DRAIN
- (Tree Symbol) EXISTING TREE
- PROPOSED BLOCK RETAINING WALL

CUT/FILL		
Colour	Depth Range (m)	
	-2.000	-1.000
	-1.000	-0.500
	-0.500	-0.250
	-0.250	0.000
	0.000	0.250
	0.250	0.500
	0.500	1.000
	1.000	2.000
	2.000	5.000



NOTE:
CUT AND FILL VOLUMES HAVE BEEN CALCULATED
BASED ON NATURAL SURFACE AND FINISHED SURFACE.

EARTHWORKS VOLUMES

ITEM	DESCRIPTION	DEPTH (m)	SURFACE AREA (PLAN m²)	VOLUME (m³)	NOTES
1	CUT - TO FINISHED SURFACE LEVEL	N/A	N/A	-17	NATURE SURFACE "TIN" VS FINISHED SURFACE "TIN"
2	FILL - TO FINISHED SURFACE LEVEL	N/A	N/A	267	
3	BALANCE (FILL OVER CUT)	N/A	N/A	250	

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL

FILE / REFERENCE	INITIALS	DATE
SURVEYED -	-	-
DESIGNED TUNG PHAM	TP	07/11/24
CHECKED MICHA ZESCHKE	MZ	07/11/24
PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24
ENGINEERING CERTIFICATION	MZ	07/11/24
MICHA ZESCHKE		

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SUITE 301, LEVEL 3 ORAN PARK PODIUM
351 ORAN PARK DRIVE
ORAN PARK, NSW 2570
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contact: 1300 017 736 www.premise.com.au

NORTH

SCALE 1:150 (A1)
0 3 6 9m
SCALE 1:300 (A3)
0 3 6 9m
ORIGINAL SHEET SIZE A1








APPROVAL AUTHORITY
GOULBURN MULWAREE COUNCIL

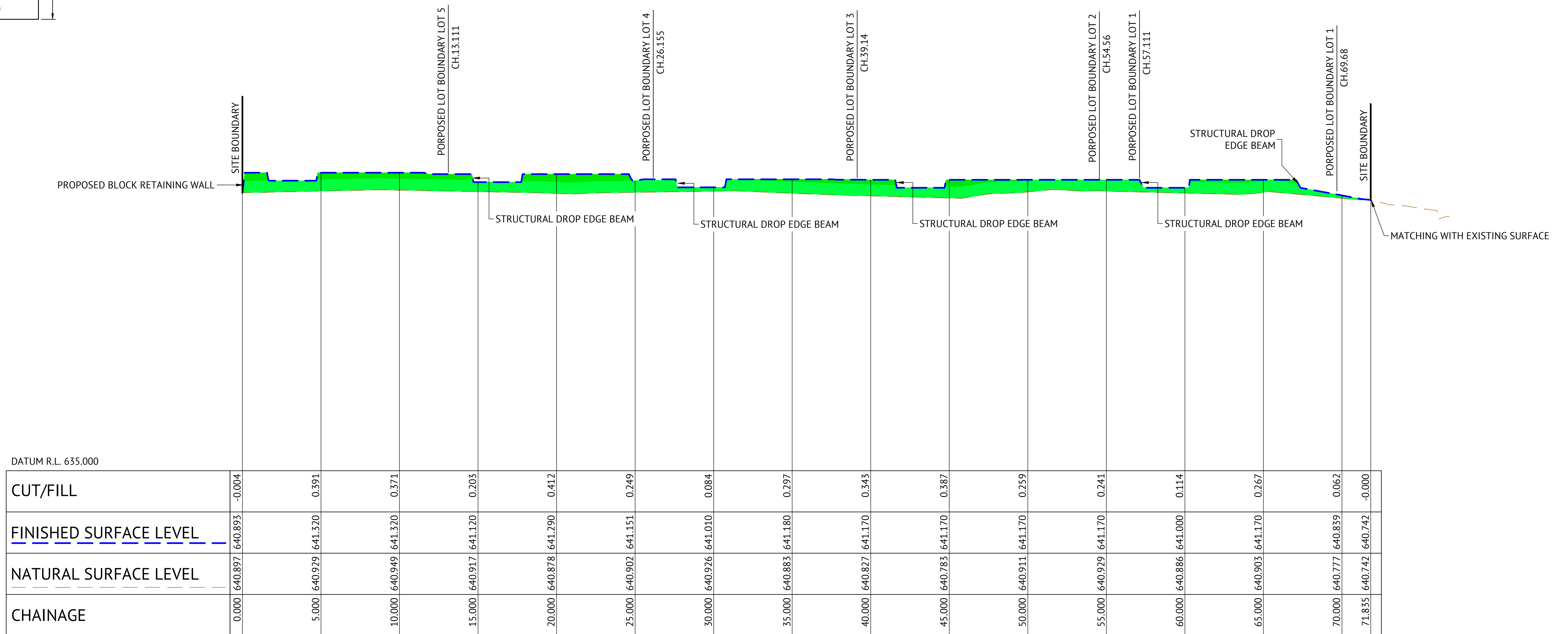
CLIENT
GOULBURN PROJECTS

PROJECT
TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580

SHEET TITLE
CUT AND FILL PLAN

DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A	JOB CODE P001907
SURVEY MARK R.L.	SHEET NUMBER C100
IMAGE SOURCE DATUM	REV A
STATUS FOR APPROVAL	ORIGINAL A1

CUT/FILL		
Colour	Depth Range (m)	
	-2.000	-1.000
	-1.000	-0.500
	-0.500	-0.250
	-0.250	0.000
	0.000	0.250
	0.250	0.500
	0.500	1.000

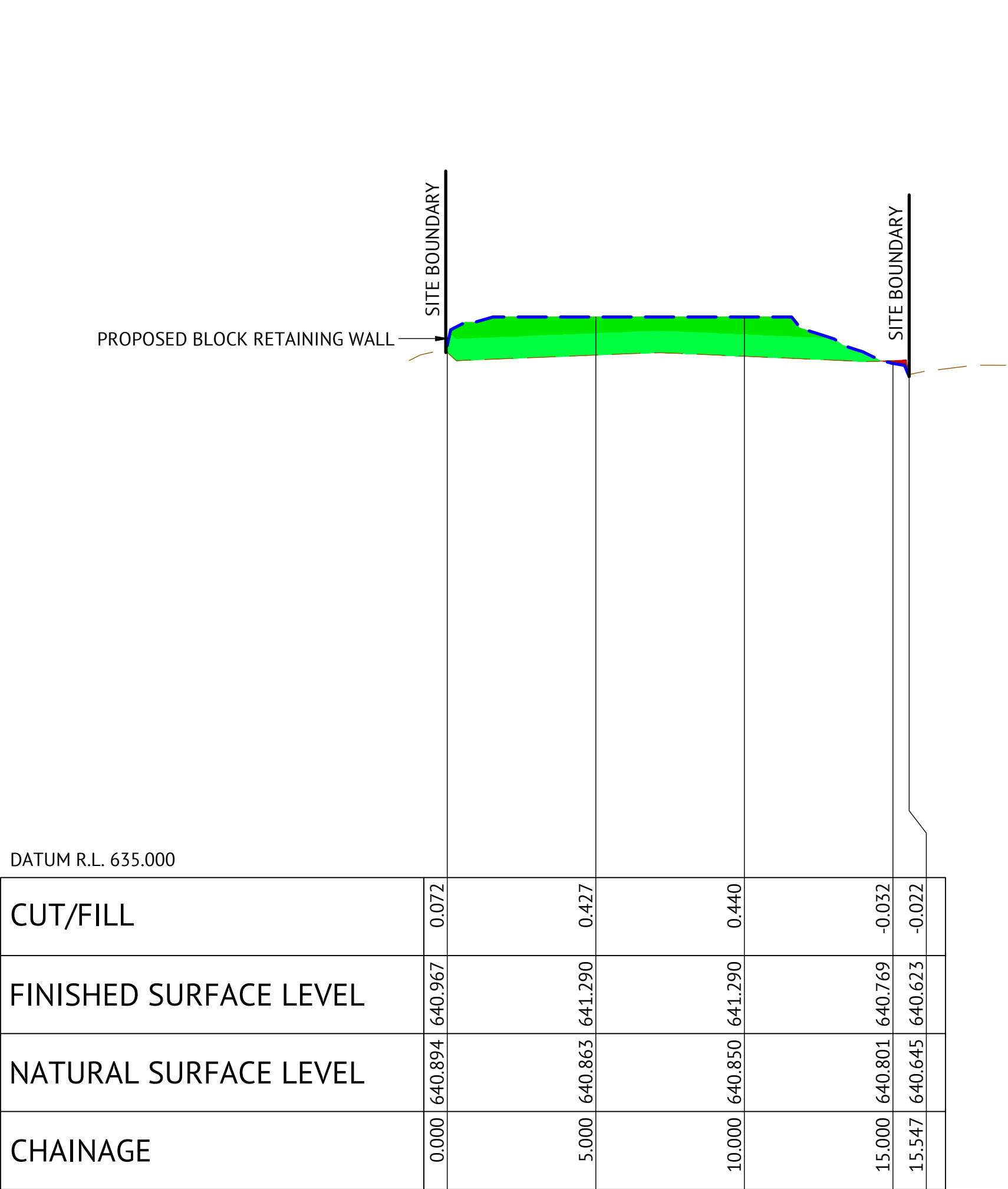


A SITE SECTION
C100 HORIZ. 1:150 - VERT. 1:50

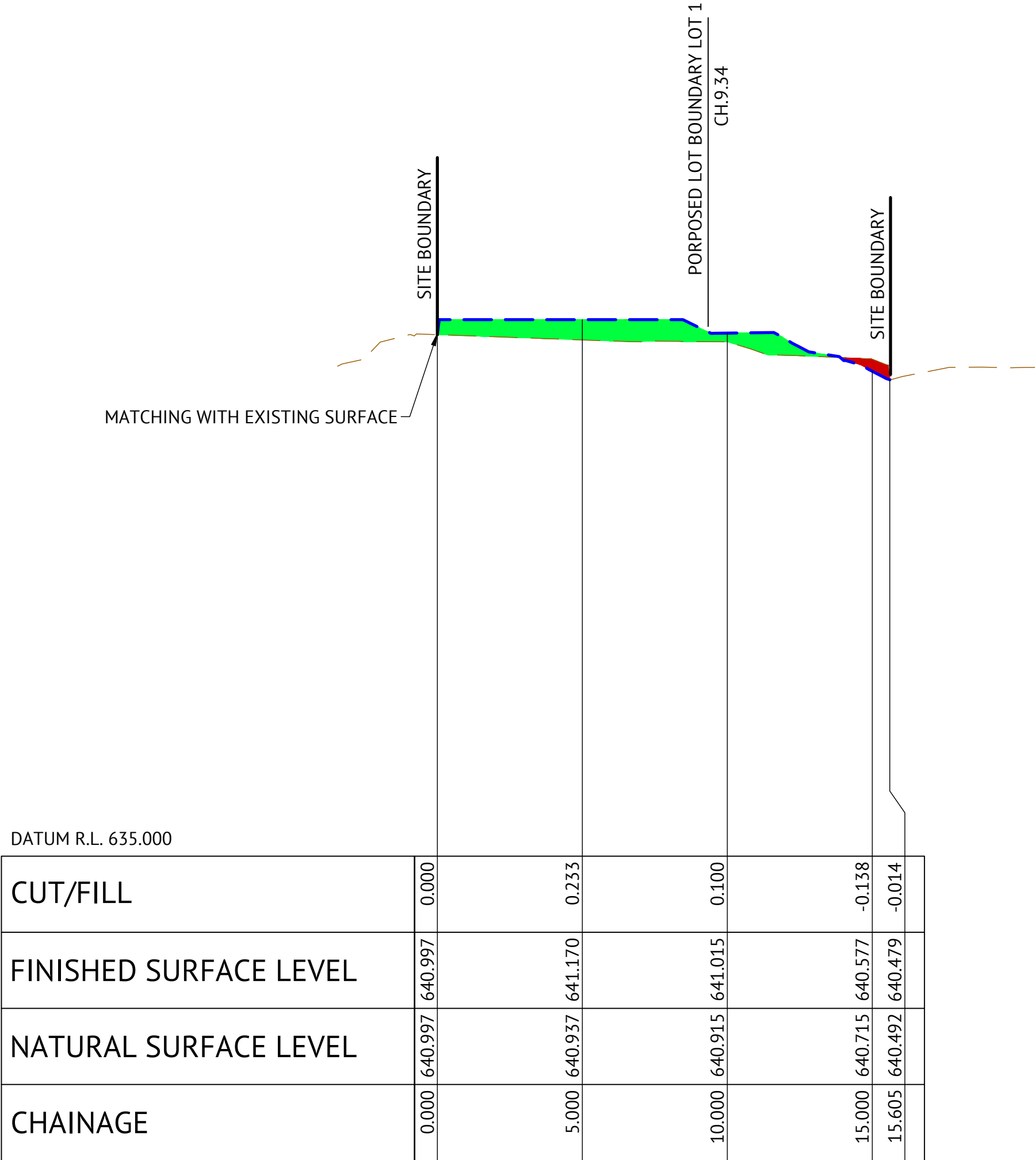
NOTE:
CUT AND FILL VOLUMES HAVE BEEN CALCULATED
BASED ON NATURAL SURFACE AND FINISHED SURFACE.

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	<div><div><div>ORAN PARK OFFICE</div><div>SUITE 301, LEVEL 3 ORAN PARK PODIUM 551 ORAN PARK DRIVE ORAN PARK, NSW 2570 Ph. (02) 4632 6500 contact: 1300 017 736 www.premise.com.au</div></div><div><div>Premise</div><div>ORIGINAL SHEET SIZE A1</div></div></div>	<div><div>NORTH</div><div><div>SCALE</div><div><div>HORIZONTAL 1:150 (A1) 1:300 (A3)</div><div><div>0369m</div><div>0123m</div></div><div><div>VERTICAL 1:50 (A1) 1:100 (A3)</div><div><div>0123m</div><div>0123m</div></div></div><div>ORIGINAL SHEET SIZE A1</div></div></div></div>	<div><div>APPROVAL AUTHORITY</div><div>GOULBURN MULWAREE COUNCIL</div><div>CLIENT</div><div>GOULBURN PROJECTS</div><div>PROJECT</div><div>TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580</div></div>		SHEET TITLE			
SITE REGRADING SECTIONS - SHEET 1 OF 2															
DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A				JOB CODE											
SURVEY MARK				P001907											
IMAGE SOURCE				DATUM											
STATUS FOR APPROVAL				ORIGINAL A1		SHEET NUMBER		REV							
				C101		A									

CUT/FILL		
Colour	Depth Range (m)	
<div></div>	-0.500	-0.250
	-0.250	0.000
<div></div>	0.000	0.250
	0.250	0.500
	0.500	1.000



B SITE SECTION
C100 HORIZ. 1:150 - VERT. 1:50



C SITE SECTION
C100 HORIZ. 1:150 - VERT. 1:50

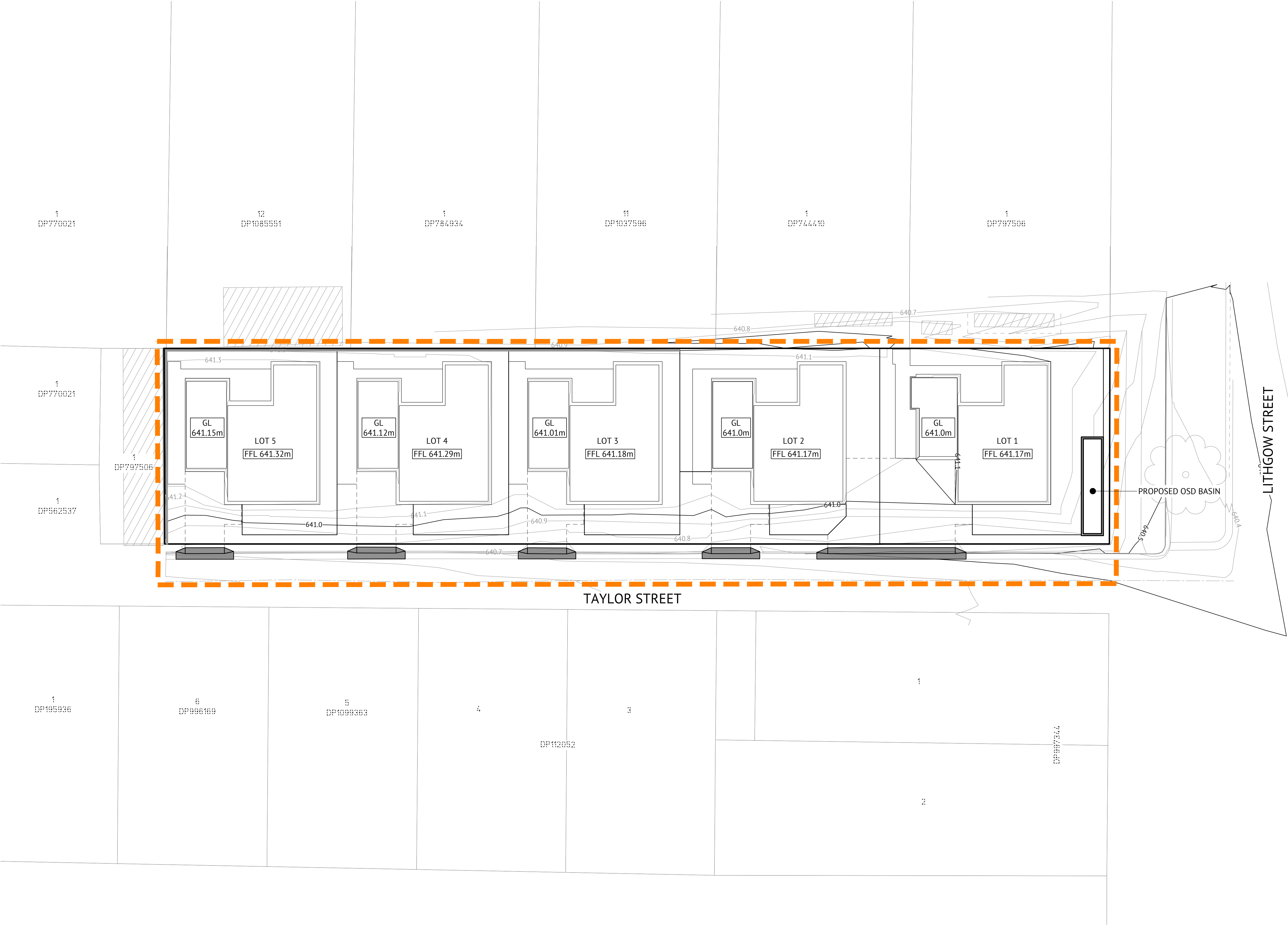
NOTE:
CUT AND FILL VOLUMES HAVE BEEN CALCULATED
BASED ON NATURAL SURFACE AND FINISHED SURFACE.

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	<div><div></div><div>ORAN PARK OFFICE SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570 Ph. (02) 4652 6500 contact: 1300 017 736 www.premise.com.au</div></div> <div><div></div><div>Premise</div></div>	<div><div>NORTH</div><div>SCALE HORIZONTAL 1:150 (A1) 1:300 (A3) VERTICAL 1:50 (A1) 1:100 (A3) ORIGINAL SHEET SIZE A1</div></div>	<div>APPROVAL AUTHORITY GOULBURN MULWAREE COUNCIL CLIENT GOULBURN PROJECTS PROJECT TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580</div>	SHEET TITLE SITE REGRADING SECTIONS - SHEET 2 OF 2			
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED - DESIGNED TUNG PHAM CHECKED MICHA ZESCHKE PROJECT MANAGER MICHA ZESCHKE ENGINEERING CERTIFICATION MICHA ZESCHEKE	- TP MZ MZ MZ	- 07/11/24 07/11/24 07/11/24 07/11/24				DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A		JOB CODE P001907	
											SURVEY MARK R.L.			
											IMAGE SOURCE DATUM		SHEET NUMBER C102	
											STATUS FOR APPROVAL ORIGINAL A1		REV A	



LEGEND

- LIMIT OF WORKS
- 649.5 FINISHED CONTOUR MAJOR (0.50m INTERVAL)
- FINISHED CONTOUR MINOR (0.10m INTERVAL)
- EXISTING KERB & GUTTER
- EXISTING ROAD CENTRELINE
- EXISTING DISH DRAIN
- EXISTING TREE
- EXISTING BUILDING
- PROPOSED CONCRETE VEHICULAR LAYBACK CROSSING
- FUTURE DRIVEWAY
- PROPOSED BLOCK RETAINING WALL

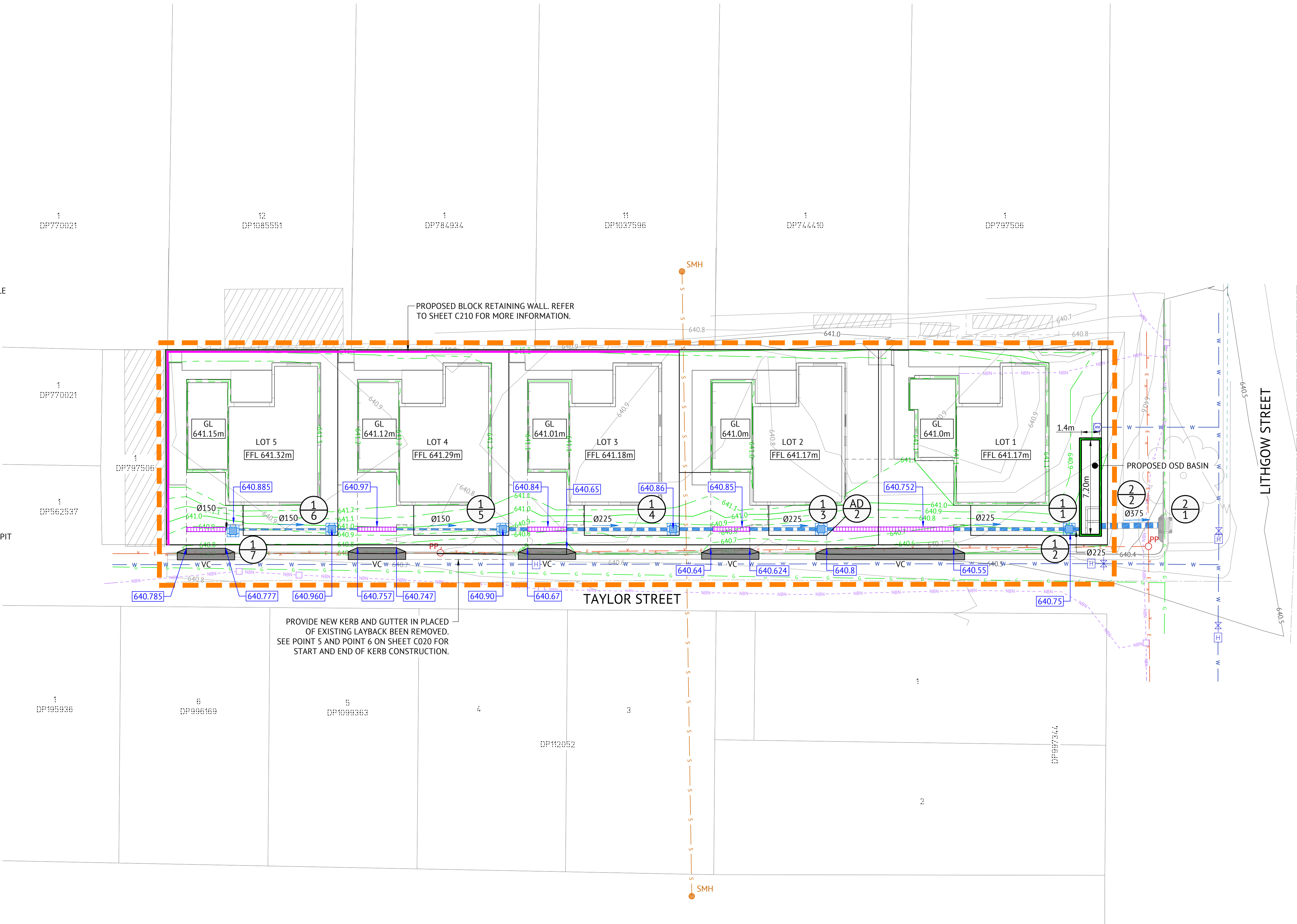


REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	<div><div></div><div>ORAN PARK OFFICE</div><div>SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570 Ph. (02) 4632 6500</div><div>Premise</div><div>contact: 1300 017 736 www.premise.com.au</div></div>										
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-											
					DESIGNED TUNG PHAM	TP	07/11/24											
					CHECKED MICHA ZESCHKE	MZ	07/11/24											
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24											
					ENGINEERING CERTIFICATION	MZ	07/11/24											
					MICHA ZESCHEKE													
NORTH								<div><div></div><div></div></div>	APPROVAL AUTHORITY	GOULBURN MULWAREE COUNCIL			SHEET TITLE			SITE GRADING PLAN		
SCALE								<div><div>SCALE 1:150 (A1)</div><div>0 3 6 9m</div><div>0 3 6 9m</div><div>SCALE 1:300 (A3)</div><div>ORIGINAL SHEET SIZE A1</div></div>	CLIENT	GOULBURN PROJECTS			DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A			JOB CODE		
PROJECT								TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580	SURVEY MARK			R.L.			P001907			
									IMAGE SOURCE			DATUM			SHEET NUMBER			
									STATUS FOR APPROVAL			ORIGINAL A1			C110			
															REV			
															A			



LEGEND

- LIMIT OF WORKS
- 640.0--- EXISTING CONTOUR MAJOR (0.5m INTERVAL)
- 640.1--- EXISTING CONTOUR MINOR (0.1m INTERVAL)
- 649.5--- DESIGN CONTOUR MAJOR (0.50m INTERVAL)
- 649.5--- DESIGN CONTOUR MINOR (0.10m INTERVAL)
- X---X--- EXISTING ELECTRICITY
- S--- EXISTING SEWER
- NBN---NBN--- EXISTING UNDERGROUND NBN CABLE
- G---G--- EXISTING GAS
- EXISTING KERB & GUTTER
- EXISTING ROAD CENTRELINE
- EXISTING FENCE
- W---W--- EXISTING WATER
- SMH EXISTING SEWER MAINTENANCE HOLE
- [H] EXISTING HYDRANT
- [X] EXISTING STOP VALVE
- [] EXISTING NBN PIT
- [PP] EXISTING LIGHT POLE
- [] EXISTING DISH DRAIN
- [] EXISTING BUILDING
- [] EXISTING TREE
- [] PROPOSED STORMWATER PIPE
- [] PROPOSED GRATED SURFACE INLET PIT
- [] EXISTING GULLY PIT
- 1 LINE NUMBER
- 1 PIT NUMBER
- VC PROPOSED CONCRETE VEHICULAR LAYBACK CROSSING
- FUTURE DRIVEWAY
- [] GRATED DRAIN S300K
- [] EXISTING WATER METER
- PROPOSED BLOCK RETAINING WALL



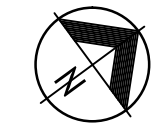
REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL

FILE / REFERENCE	INITIALS	DATE
SURVEYED -	-	-
DESIGNED TUNG PHAM	TP	07/11/24
CHECKED MICHA ZESCHKE	MZ	07/11/24
PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24
ENGINEERING CERTIFICATION	MZ	07/11/24
MICHA ZESCHKE		

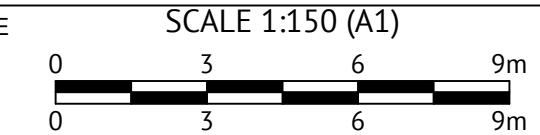


ORAN PARK OFFICE
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NORTH



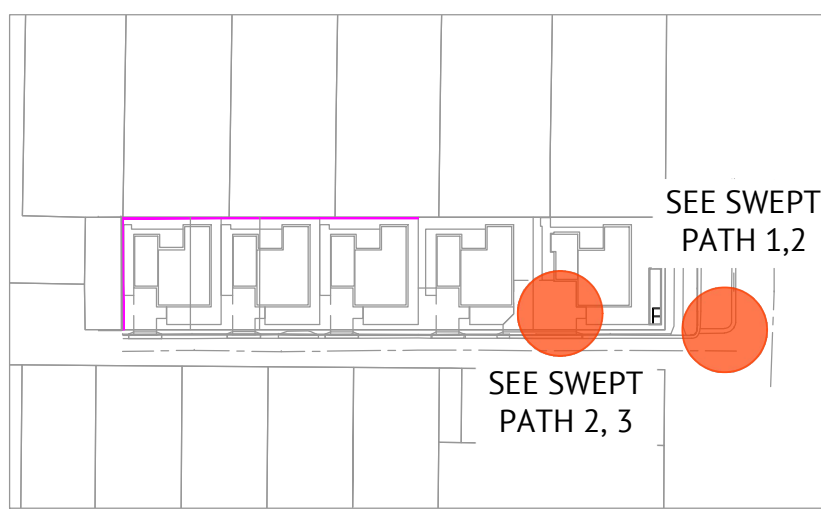
SCALE



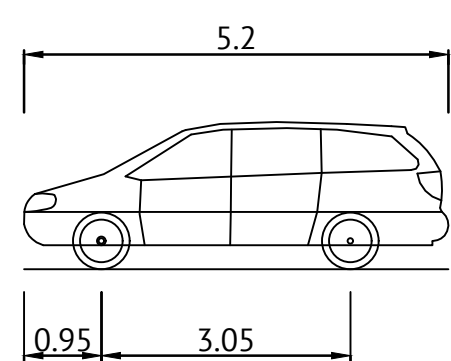
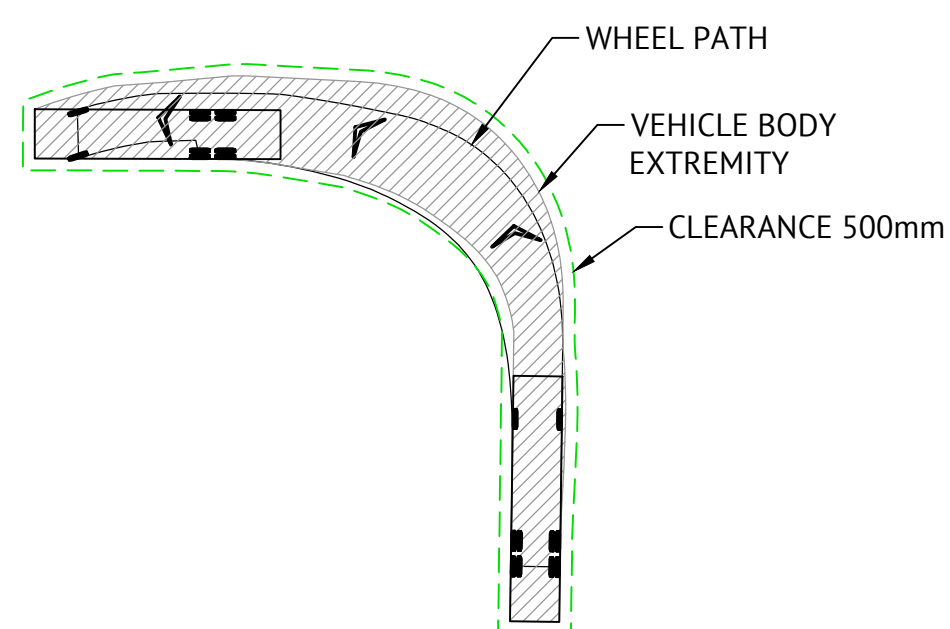
SCALE 1:150 (A1)
SCALE 1:300 (A3)
ORIGINAL SHEET SIZE A1

APPROVAL AUTHORITY	GOULBURN MULWAREE COUNCIL
CLIENT	GOULBURN PROJECTS
PROJECT	TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580

PLAN OF CIVIL WORKS			
DRAWING FILE	P001907_26 LITHGOW STREET, GOULBURN_Rev.A	JOB CODE	P001907
SURVEY MARK	R.L.	SHEET NUMBER	C200
IMAGE SOURCE	DATUM	REV	A
STATUS	FOR APPROVAL	ORIGINAL	A1

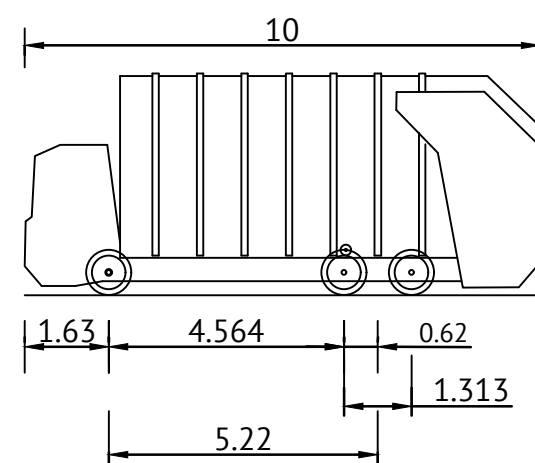


LEGEND



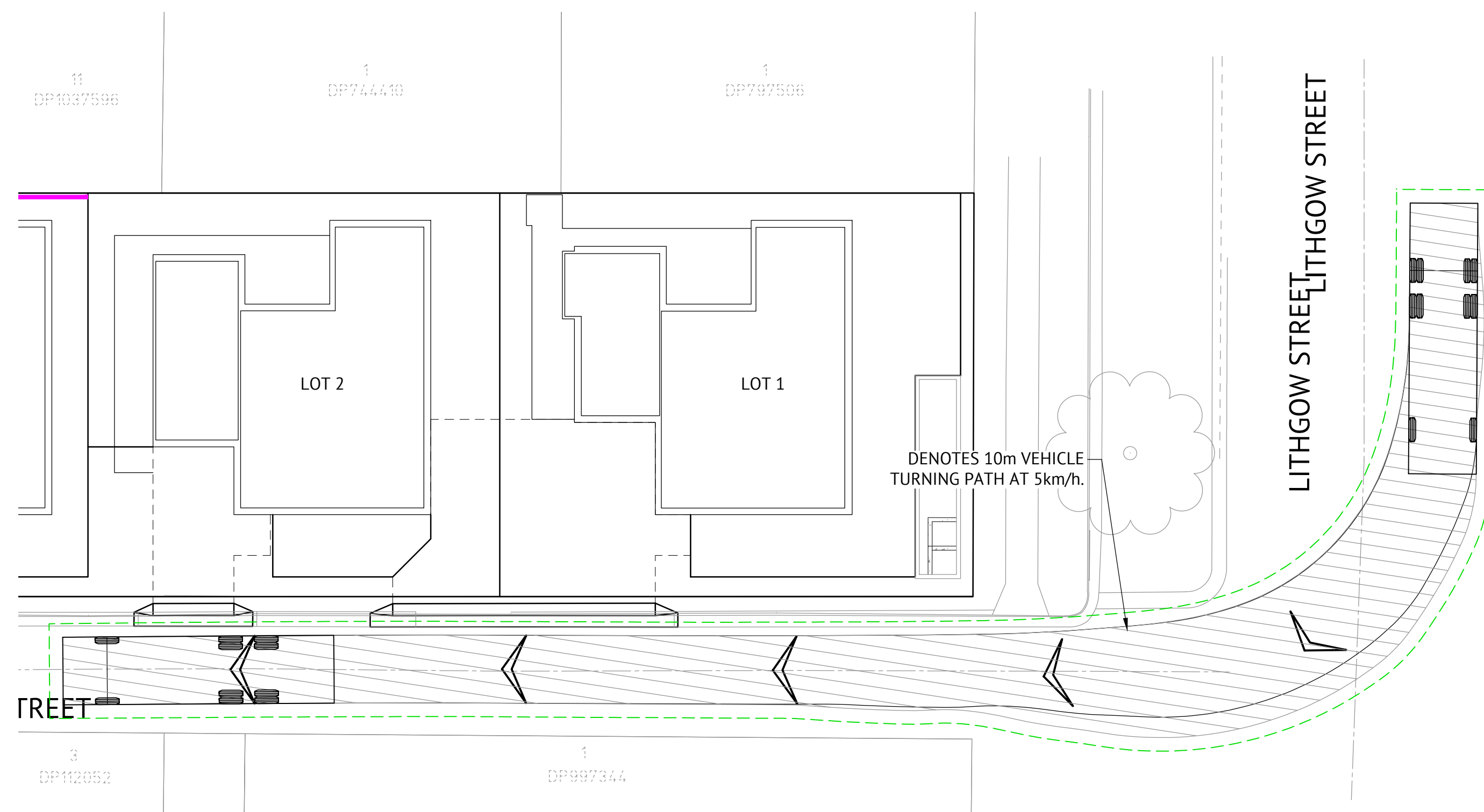
OVERALL LENGTH	5.200m
OVERALL WIDTH	1.940m
OVERALL WIDTH	1.804m
MIN BODY GROUND CLEARANCE	0.295m
TRACK WIDTH	1.840m
LOCK-TO-LOCK TIME	4.00s
KERB TO KERB TURNING RADIUS	6.300m

5.2m PASSENGER VEHICLE
NOT TO SCALE

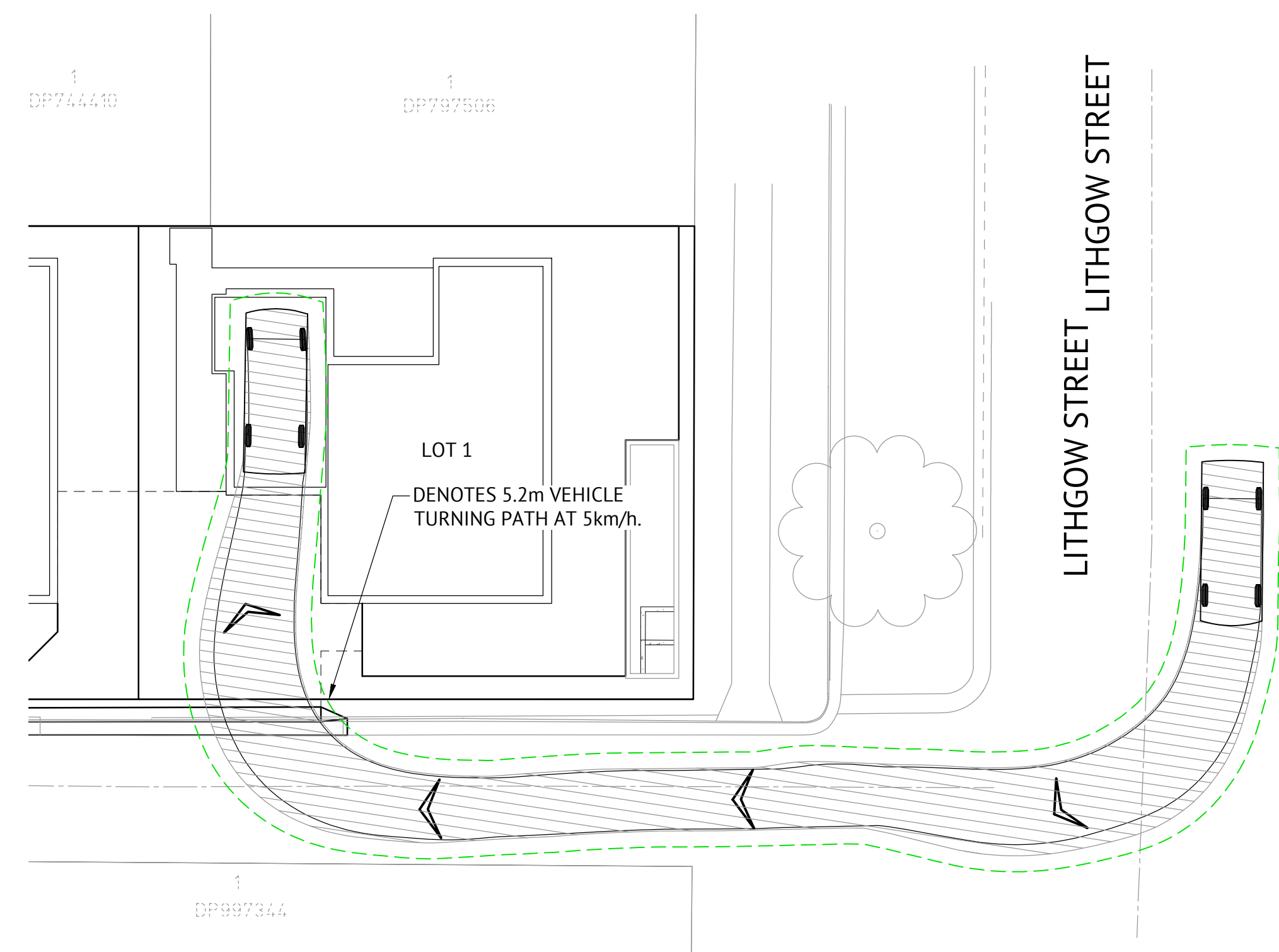


OVERALL LENGTH	10.000m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	4.300m
MIN BODY GROUND CLEARANCE	0.150m
TRACK WIDTH	2.500m
LOCK-TO-LOCK TIME	6.00s
KERB TO KERB TURNING RADIUS	12.500m

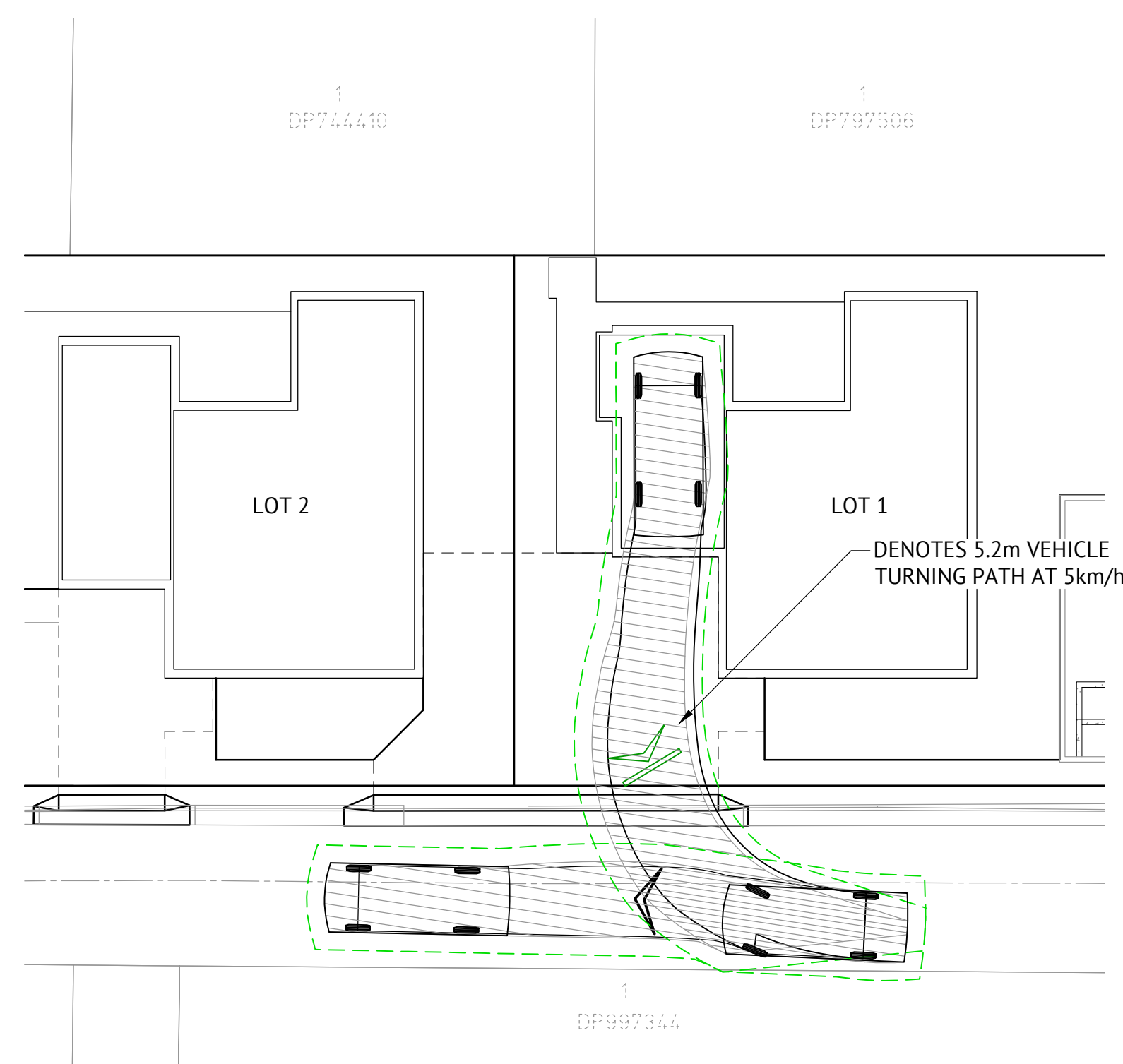
TYPICAL COUNCIL GARBAGE TRUCK (10m)
NOT TO SCALE



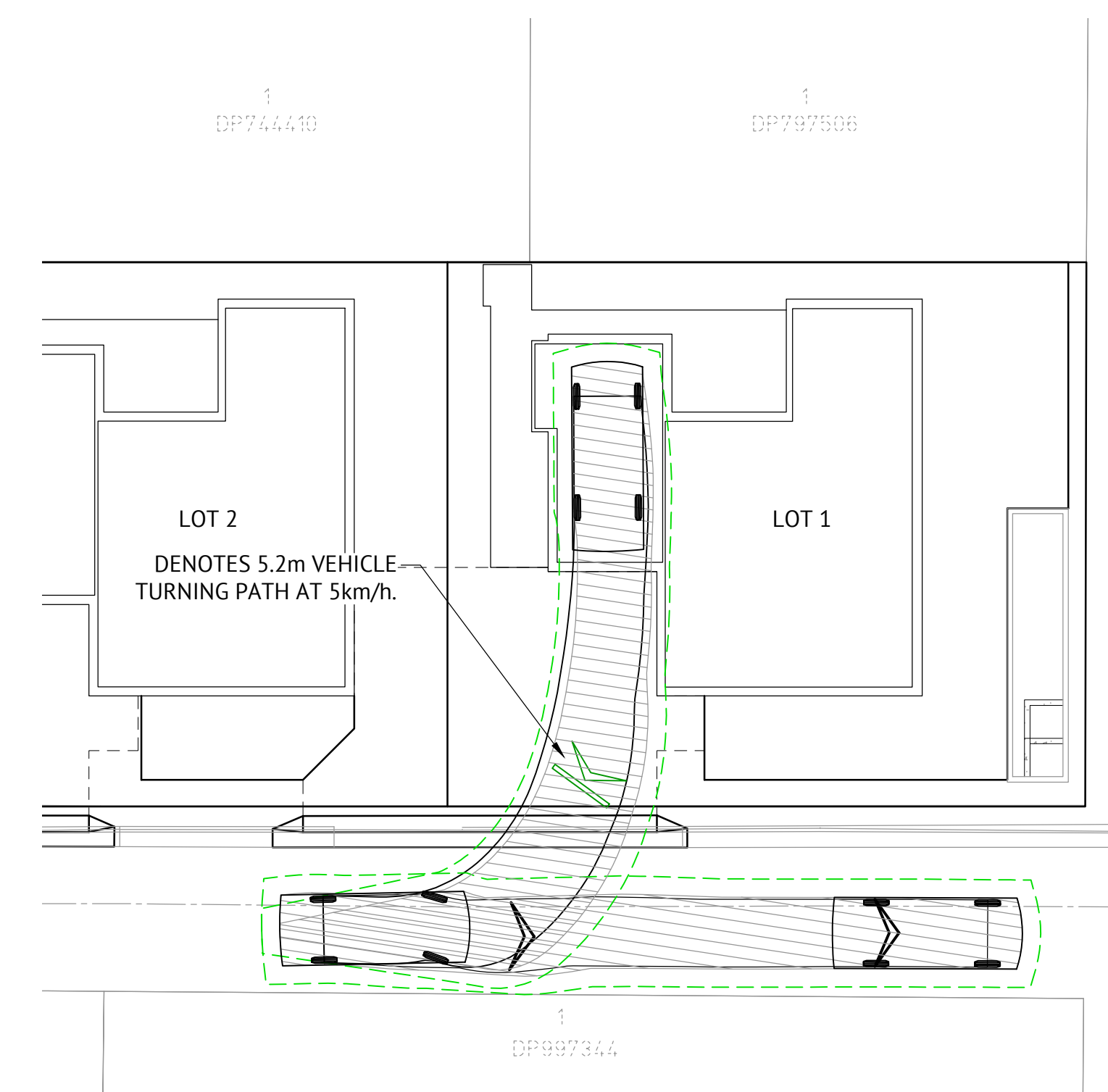
SWEPT PATH 1
SCALE 1:150



SWEPT PATH 2
SCALE 1:150

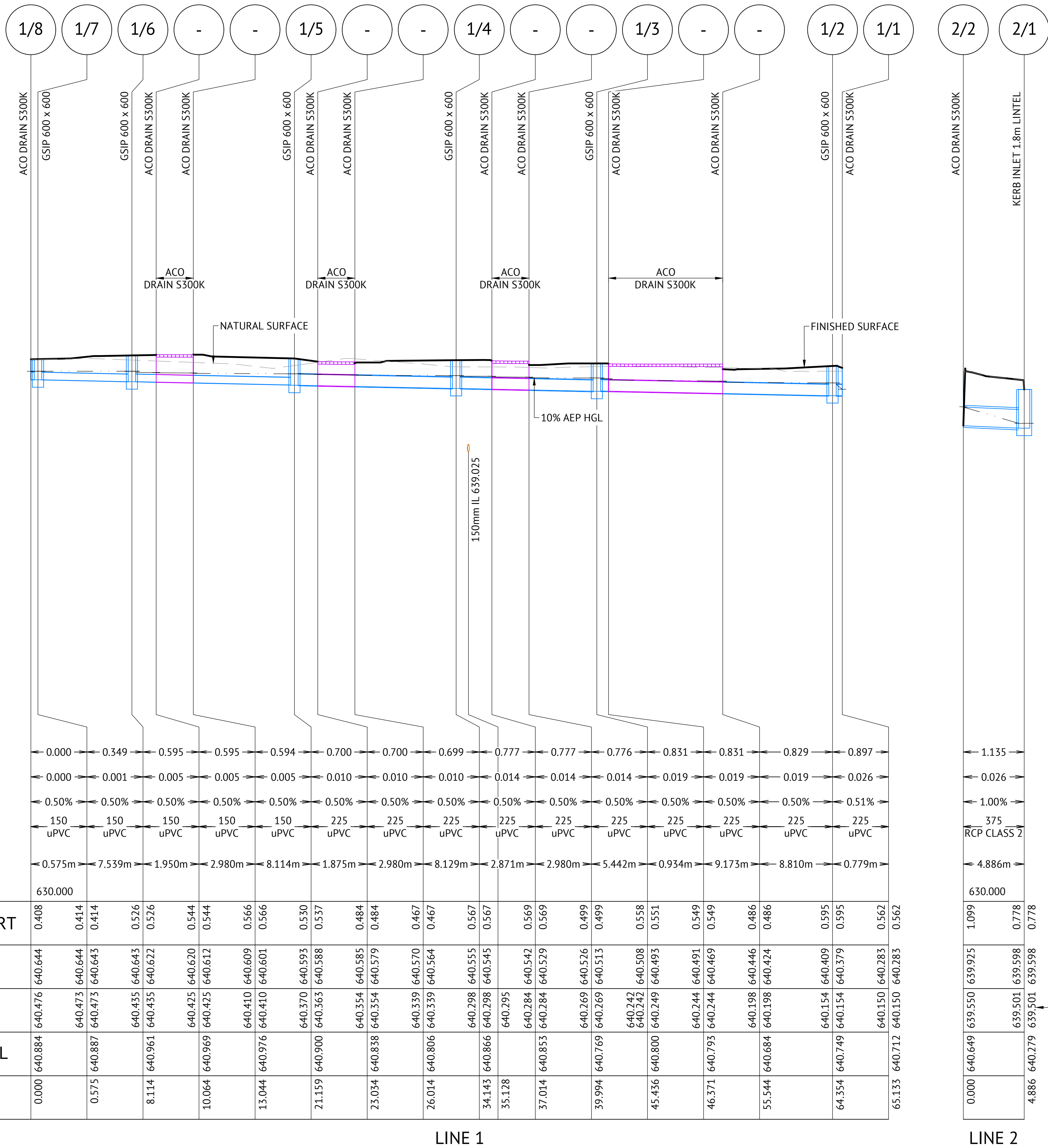


SWEPT PATH 3
SCALE 1:150



SWEPT PATH 4
SCALE 1:150

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	<div><div><div></div><div></div><div></div><div></div></div><div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div></div> <div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div> <div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div> <div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div> 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A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-				GOULBURN MULWAREE COUNCIL	STORMWATER LONGITUDINAL SECTIONS		
					DESIGNED TUNG PHAM	TP	07/11/24				CLIENT	DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A		
					CHECKED MICHA ZESCHKE	MZ	07/11/24				GOULBURN PROJECTS	JOB CODE P001907		
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24					PROJECT	SURVEY MARK R.L.	
					ENGINEERING CERTIFICATION	MZ	07/11/24			TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580	IMAGE SOURCE	DATUM	SHEET NUMBER	REV
					MICHA ZESCHKE						STATUS FOR APPROVAL	ORIGINAL A1	C520	A



-
- The site plan shows a proposed development on Taylor Street, bounded by Lithgow Street to the east. The development consists of five lots, each with a specific area and a fraction of the total area:
- LOT 5: 1/6, 0.0166ha
 - LOT 4: 1/5, 0.0194ha
 - LOT 3: 1/4, 0.0193ha
 - LOT 2: 1/3, 0.0191ha
 - LOT 1: 1/2, 0.0296ha
- A proposed OSD basin is located to the east of LOT 1. The plan also shows a dashed orange line indicating the boundary of the development. The street names TAYLOR STREET and LITHGOW STREET are labeled. The plan includes various annotations such as lot numbers, areas, and street names.

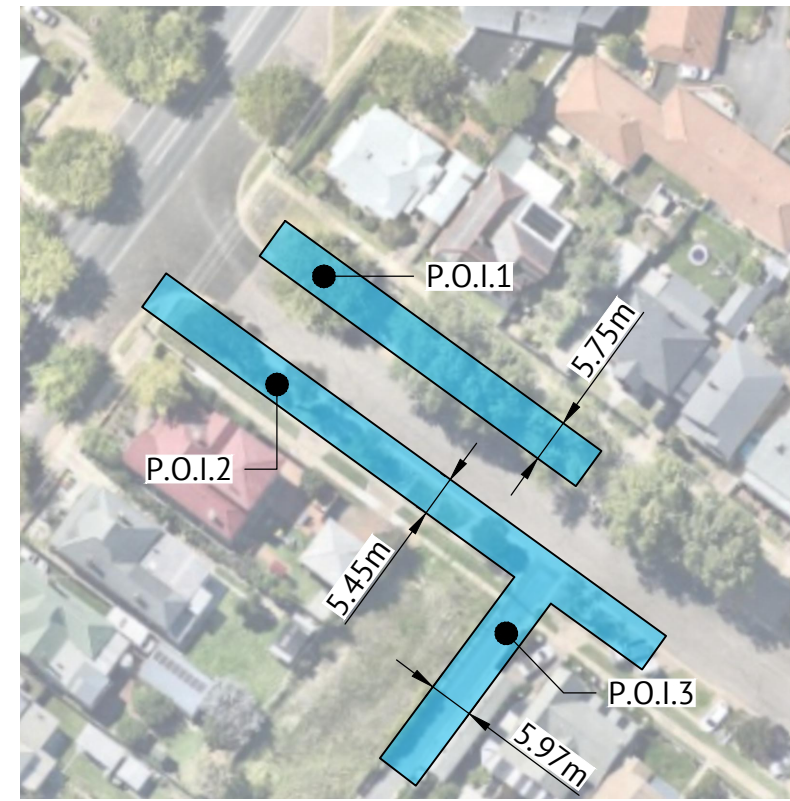
REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT		FILE / REFERENCE		INITIALS	DATE	<div><div></div><div>ORAN PARK OFFICE</div><div>SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570 Ph. (02) 4632 6500</div><div>Premise</div><div>contact: 1300 017 736 www.premise.com.au</div></div>	APPROVAL AUTHORITY		SHEET TITLE				
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL		SURVEYED -		-	-		GOULBURN MULWAREE COUNCIL	STORMWATER CATCHMENT LAYOUT PLAN					
						DESIGNED TUNG PHAM		TP	07/11/24		CLIENT	DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A		JOB CODE			
						CHECKED MICHA ZESCHKE		MZ	07/11/24		GOULBURN PROJECTS	SURVEY MARK		P001907			
						PROJECT MANAGER MICHA ZESCHKE		MZ	07/11/24			PROJECT	IMAGE SOURCE		DATUM	SHEET NUMBER	REV
						ENGINEERING CERTIFICATION		MZ	07/11/24			TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580	STATUS FOR APPROVAL		ORIGINAL A1	C550	A
						MICHA ZESCHKE											

EXTERNAL CATCHMENT

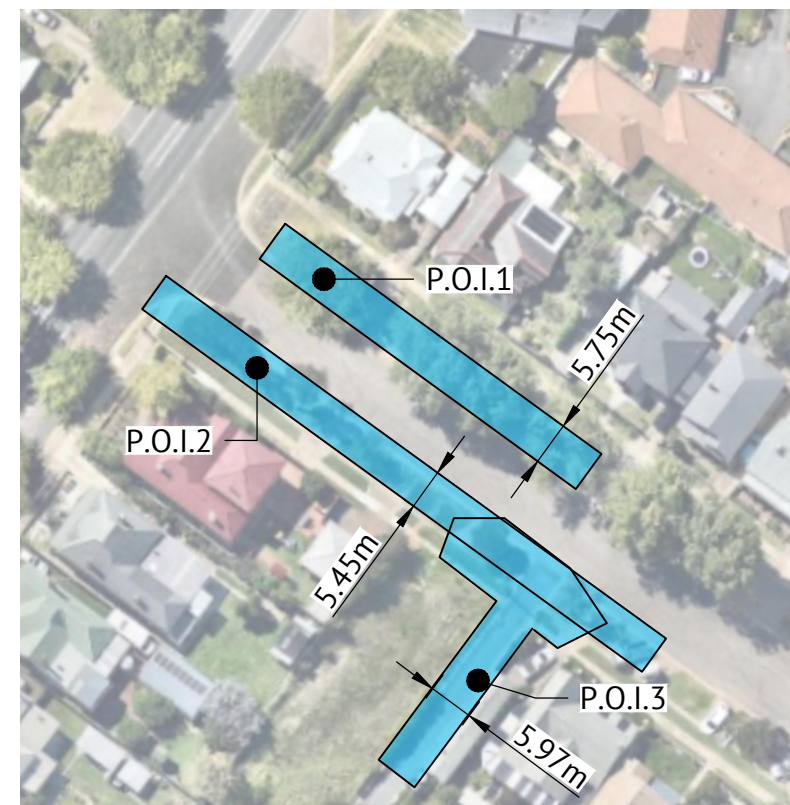
FLOW DIRECTION

650.0 EXISTING CONTOUR MAJOR (0.50m INTERVAL)

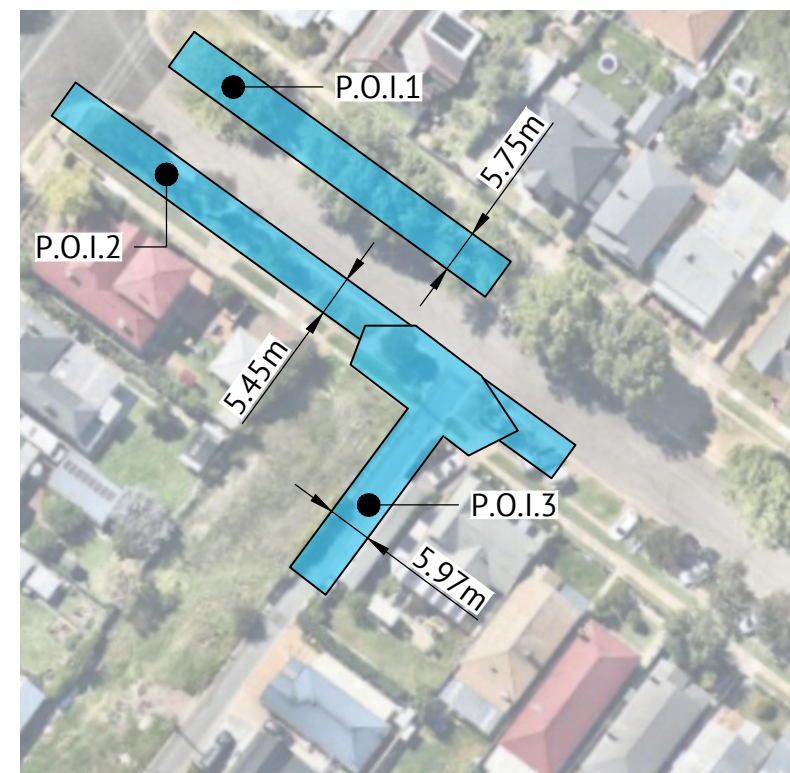
650.0 EXISTING CONTOUR MINOR (0.10m INTERVAL)



INSET A
SCALE 1:1000

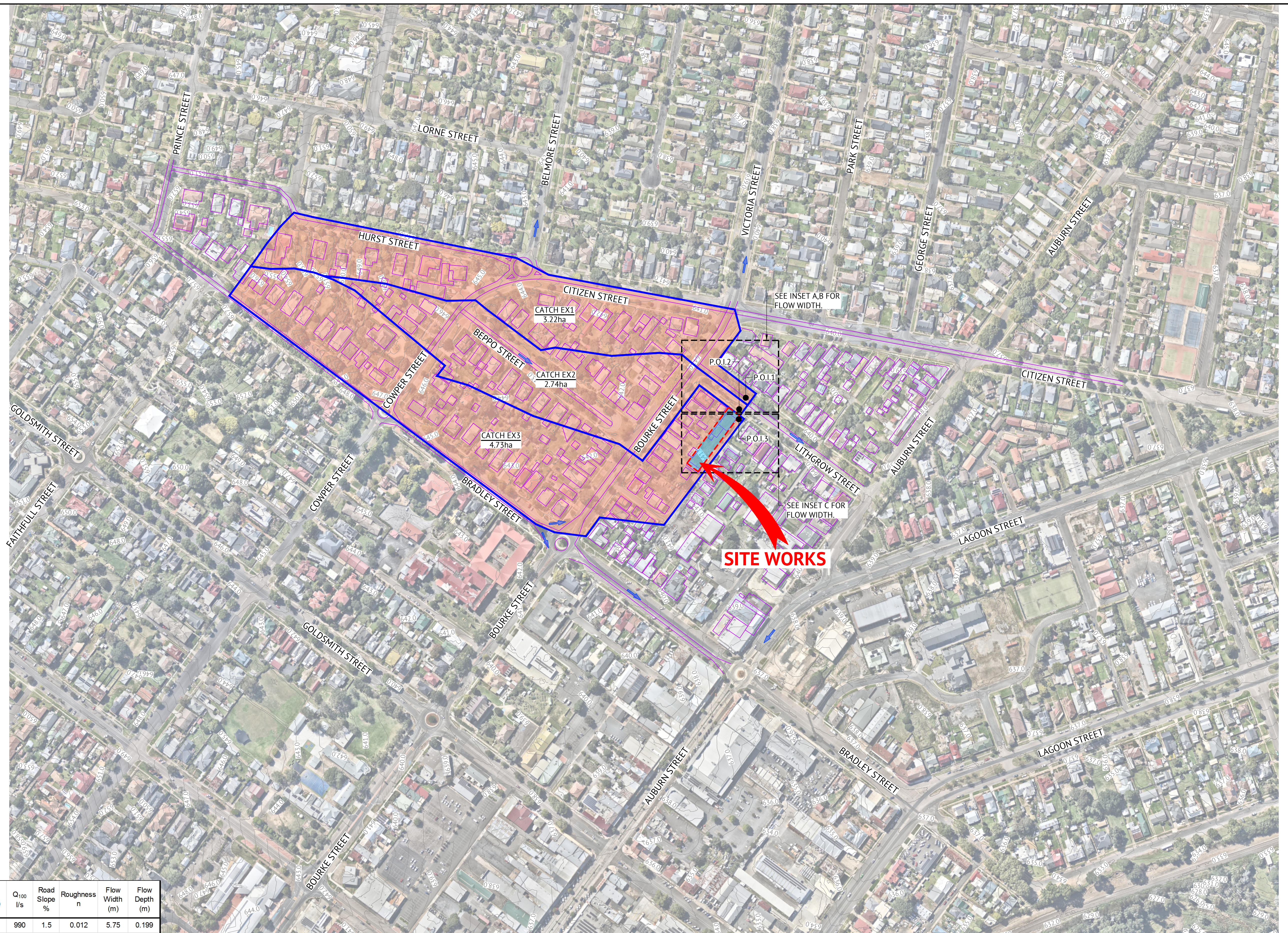


INSET B
SCALE 1:1000



INSET C
SCALE 1:1000

POINT OF INTEREST	Coeff of Runoff C	Reach	Time of Concentration Tc (min)	Intensity I (mm/hr)	Area A (ha)	Q ₁₀₀ l/s	Road Slope %	Roughness n	Flow Width (m)	Flow Depth (m)
POI 1	0.85	640	11.3	130	3.22	990	1.5	0.012	5.75	0.199
POI 2	0.85	590	10.9	133	2.74	861	1.5	0.012	5.45	0.190
POI 3	0.85	720	12.0	126	4.73	1408	2.5	0.012	5.97	0.206



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A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-			GOULBURN MULWAREE COUNCIL		EXTERNAL CATCHMENT PLAN	
					DESIGNED TUNG PHAM	TP	07/11/24			GOULBURN PROJECTS		DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A	JOB CODE
					CHECKED MICHA ZESCHKE	MZ	07/11/24			PROJECT	TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580	SURVEY MARK	P001907
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24					IMAGE SOURCE	DATUM
					ENGINEERING CERTIFICATION	MZ	07/11/24			STATUS FOR APPROVAL	ORIGINAL A1 C555	A	
					MICHA ZESCHKE								



LEGEND

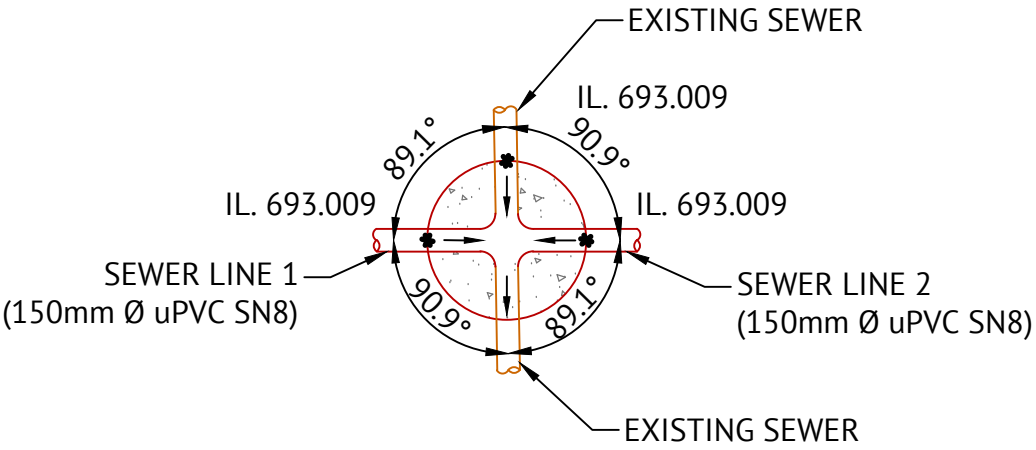
- LIMIT OF WORKS
- FINISHED CONTOUR MAJOR (0.50m INTERVAL)
- FINISHED CONTOUR MINOR (0.10m INTERVAL)
- EXISTING KERB LINES
- EXISTING ROAD CENTERLINE
- EXISTING BUILDING
- EXISTING TREE
- EXISTING DRAINAGE PIT
- PROPOSED CONCRETE VEHICULAR LAYBACK CROSSING
- FUTURE DRIVEWAY
- PROPOSED STORMWATER
- PROPOSED GRATED SURFACE INLET
- GRATED DRAIN S300K
- MUSIC SUBCATCHMENT - ROOF AREA
- MUSIC SUBCATCHMENT - DRIVEWAY AREA
- MUSIC SUBCATCHMENT - COURTYARD AREA
- MUSIC SUBCATCHMENT - AREA OF BASIN
- MUSIC SUBCATCHMENT - BYPASS (EDGE OF GRATE TO BOUNDARY)

MUSIC MODEL CATCHMENT TABLE			
CAT.ID	SUB_CATCH.COLOR	NOTE	CATCH.AREA (ha)
		ROOF AREA	0.0565
		DRIVEWAY AREA	0.0112
		COURTYARD AREA	0.0343
		BYPASS (EDGE OF GRATE TO BOUNDARY)	0.0035
		AREA OF BASIN	0.0012
TOTAL			0.1067

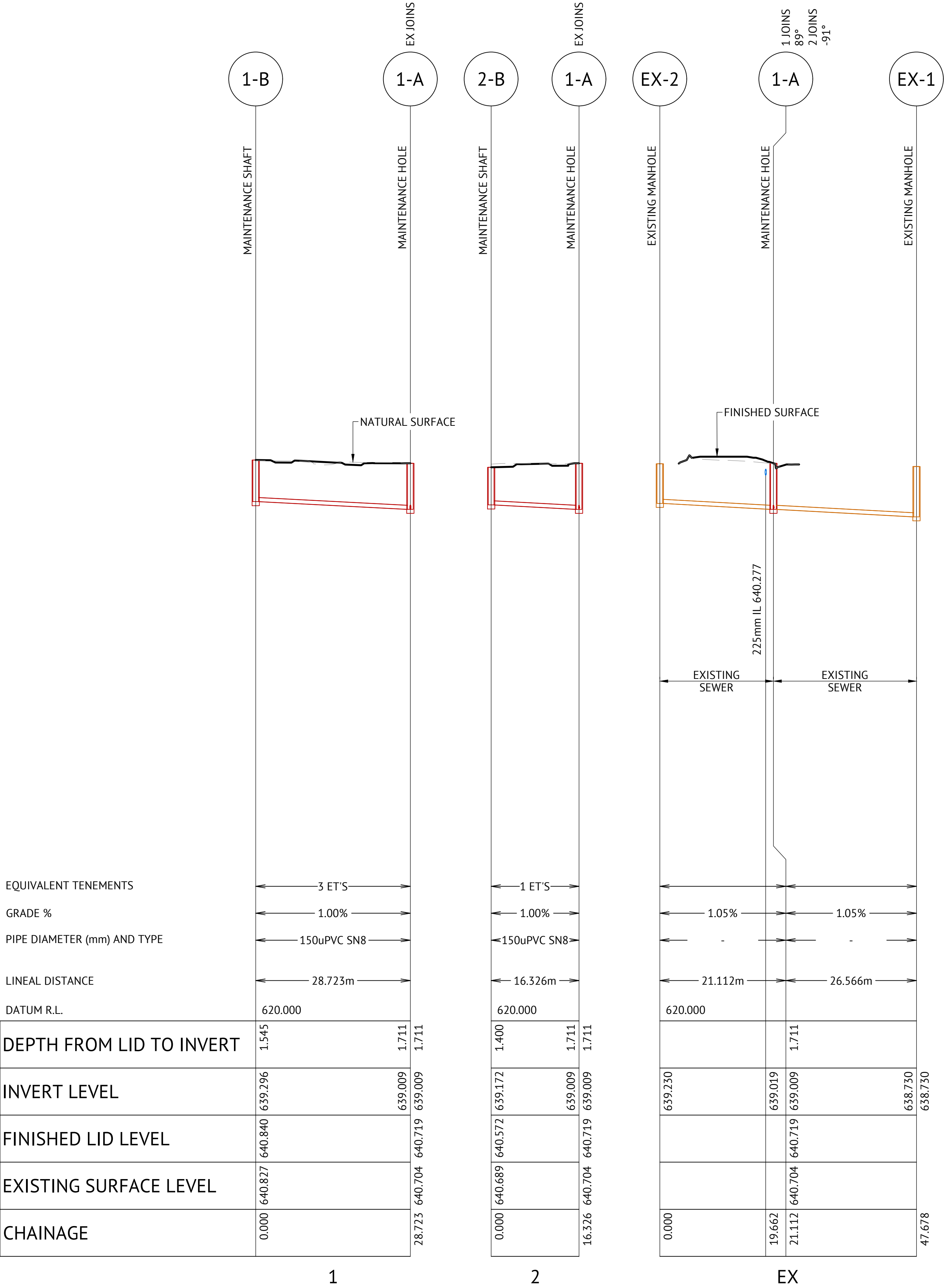


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REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	<div><div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div>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MANHOLE 1-A
NOT TO SCALE



EQUIVALENT TENEMENTS	3 ET'S
GRADE %	1.00%
PIPE DIAMETER (mm) AND TYPE	150uPVC SN8
LINEAL DISTANCE	28.723m
DATUM R.L.	620.000
DEPTH FROM LID TO INVERT	1.545 1.711
INVERT LEVEL	639.296 639.009 639.009 639.009
FINISHED LID LEVEL	640.840 640.719 640.719 640.719
EXISTING SURFACE LEVEL	640.827 640.704 640.704 640.704
CHAINAGE	0.000 28.723 640.704 640.719 640.719 640.719

1

2

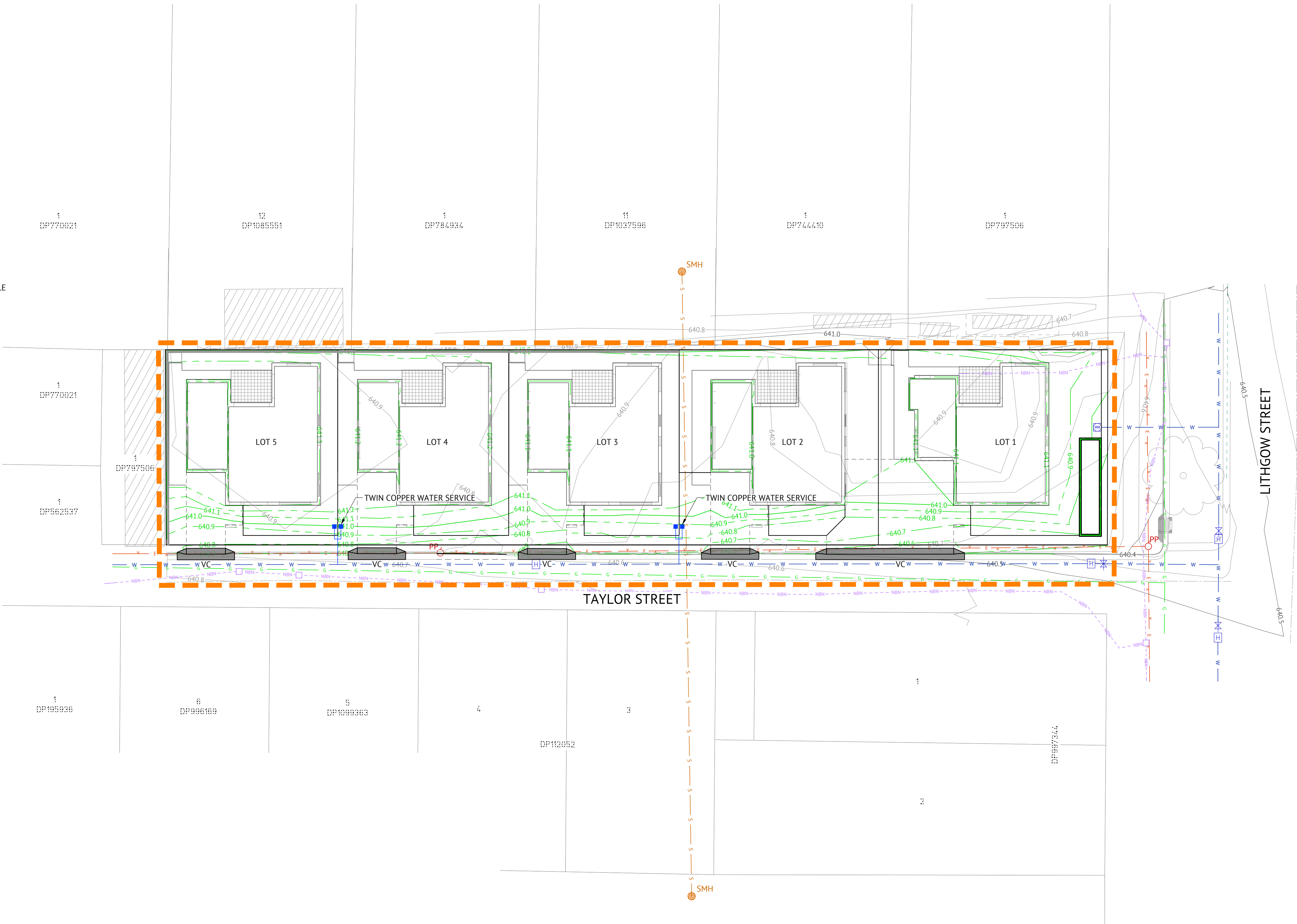
EX

REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT	FILE / REFERENCE	INITIALS	DATE	<div><div></div><div>ORAN PARK OFFICE</div><div>SUITE 301, LEVEL 3 ORAN PARK PODIUM 351 ORAN PARK DRIVE ORAN PARK, NSW 2570 Ph. (02) 4632 6500 contact: 1300 017 736 www.premise.com.au</div><div>Premise</div></div>	NORTH	APPROVAL AUTHORITY	SHEET TITLE			
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL	SURVEYED -	-	-		GOULBURN MULWAREE COUNCIL	GOULBURN PROJECTS	SEWER PIPE LONGITUDINAL SECTIONS			
					DESIGNED TUNG PHAM	TP	07/11/24		CLIENT		DRAWING FILE P001907_26 LITHGOW STREET, GOULBURN_Rev.A		JOB CODE P001907	
					CHECKED MICHA ZESCHKE	MZ	07/11/24		PROJECT	TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580	SURVEY MARK R.L.			
					PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24		IMAGE SOURCE		DATUM		SHEET NUMBER	REV
					ENGINEERING CERTIFICATION	MZ	07/11/24	VERTICAL 1:100 (A1) 1:200 (A3)		STATUS FOR APPROVAL		ORIGINAL A1	C605	A
					MICHA ZESCHKE			ORIGINAL SHEET SIZE A1						



LEGEND

- LIMIT OF WORKS
- 640.0--- EXISTING CONTOUR MAJOR (0.5m INTERVAL)
- 640.1--- EXISTING CONTOUR MINOR (0.1m INTERVAL)
- 649.5--- DESIGN CONTOUR MAJOR (0.50m INTERVAL)
- 649.5--- DESIGN CONTOUR MINOR (0.10m INTERVAL)
- E --- EXISTING ELECTRICITY
- S --- EXISTING SEWER
- NBN --- EXISTING UNDERGROUND NBN CABLE
- G --- EXISTING GAS
- W --- EXISTING WATER
- EXISTING KERB & GUTTER
- EXISTING ROAD CENTRELINE
- EXISTING FENCE
- SMH EXISTING SEWER MAINTENANCE HOLE
- PP EXISTING NBN PIT
- PP EXISTING LIGHT POLE
- EXISTING DISH DRAIN
- EXISTING BUILDING
- EXISTING TREE
- VC PROPOSED CONCRETE VEHICULAR LAYBACK CROSSING
- FUTURE DRIVEWAY
- PROPOSED BLOCK RETAINING WALL




REV.	DATE	DFTD.	APPD.	NOTATION / AMENDMENT
A	07/11/24	BNB	MZ	ISSUED FOR APPROVAL

FILE / REFERENCE	INITIALS	DATE
SURVEYED -	-	-
DESIGNED TUNG PHAM	TP	07/11/24
CHECKED MICHA ZESCHKE	MZ	07/11/24
PROJECT MANAGER MICHA ZESCHKE	MZ	07/11/24
ENGINEERING CERTIFICATION	MZ	07/11/24
MICHA ZESCHKE		



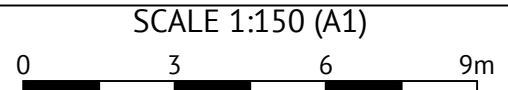
ORAN PARK OFFICE
SUITE 301, LEVEL 3 ORAN PARK PODIUM
351 ORAN PARK DRIVE
ORAN PARK, NSW 2570
Ph. (02) 4632 6500
contact: 1300 017 736 www.premise.com.au

NORTH



SCALE

SCALE 1:150 (A1)



SCALE 1:300 (A3)

ORIGINAL SHEET SIZE A1

APPROVAL AUTHORITY	GOULBURN MULWAREE COUNCIL
CLIENT	GOULBURN PROJECTS
PROJECT	TOWN HOUSE DEVELOPMENT - 26 LITHGOW STREET, GOULBURN, NSW 2580

SHEET TITLE		WATER RETICULATION LAYOUT PLAN	
DRAWING FILE	P001907_26 LITHGOW STREET, GOULBURN_Rev.A	JOB CODE	P001907
SURVEY MARK	RL	SHEET NUMBER	C650
IMAGE SOURCE	DATUM	REV	A
STATUS	FOR APPROVAL	ORIGINAL	A1