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**TOOWOOMBA
REGIONAL COUNCIL**

APPENDIX C – ENGINEERING PLANS

Kehoe Myers Consulting Engineers

OVERALL LEGEND

	MAJOR EXISTING SURFACE CONTOURS (5.0m INTERVALS)
	MINOR EXISTING SURFACE CONTOURS (1.0m INTERVALS)
EXISTING WORKS	
	EXISTING KERB AND CHANNEL
	EXISTING BITUMEN EDGE
	EXISTING CONTROL LINE
	EXISTING ROAD PAVEMENT
	EXISTING SEWER MAIN AND MANHOLE
	EXISTING SEWER RISING MAIN AND MANHOLE
	EXISTING WATER MAIN
	EXISTING OVERHEAD ELECTRICAL LINES AND POWER POLES
	EXISTING TELECOMMUNICATION LINES
	EXISTING GAS MAIN
	EXISTING FLOODING ZONE AND CHANNEL
PROPOSED WORKS	
	PROPOSED SEWER MAIN AND MANHOLE
	PROPOSED STORM WATER DRAINAGE AND PIT
	PROPOSED OPEN DRAIN AND DIRECTION
	PROPOSED WATER SERVICE
	PROPOSED EASEMENT
FUTURE WORKS	
	FUTURE TRUNK SEWER LGIP ID GS64

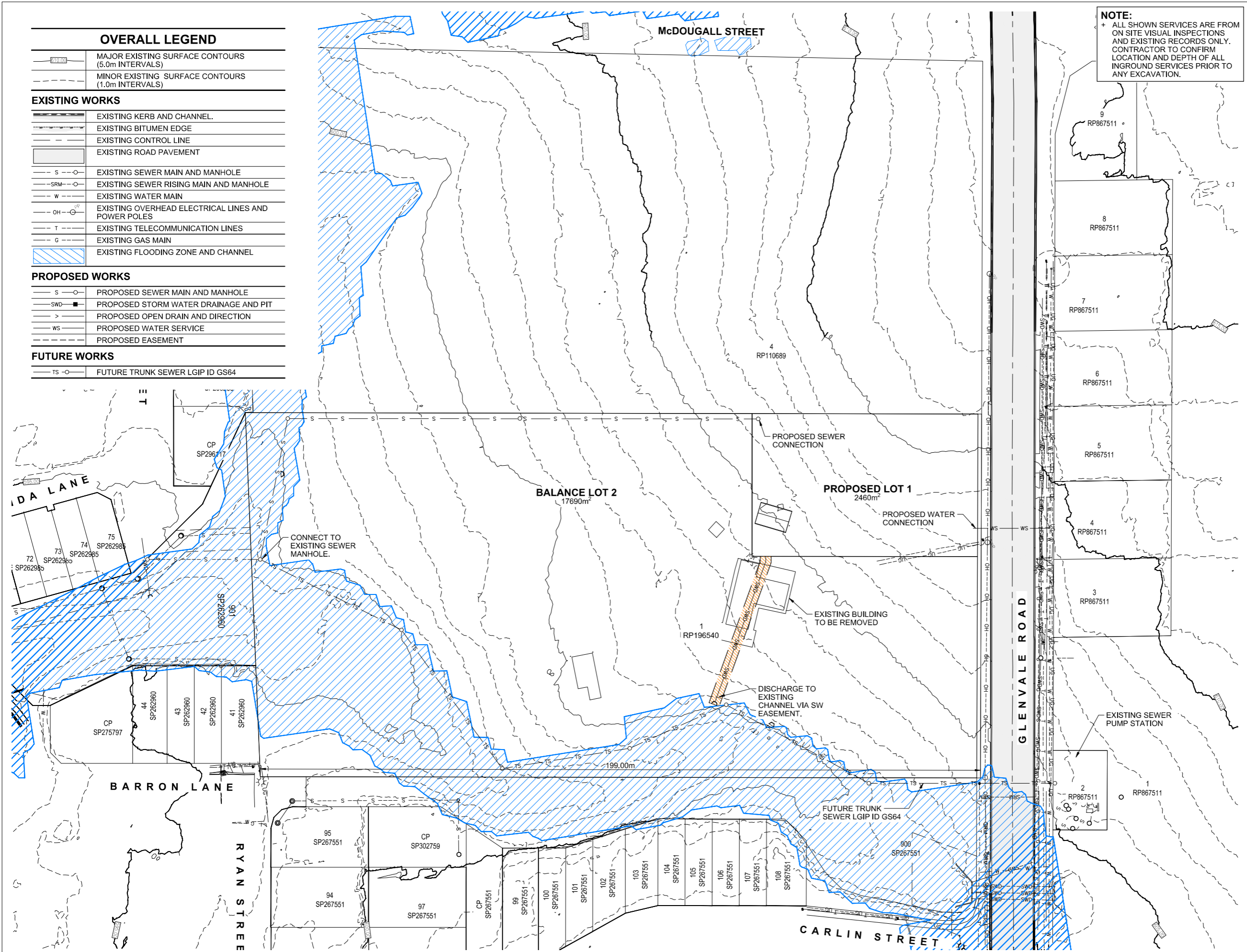
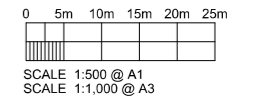
NOTE:
 + ALL SHOWN SERVICES ARE FROM ON SITE VISUAL INSPECTIONS AND EXISTING RECORDS ONLY. CONTRACTOR TO CONFIRM LOCATION AND DEPTH OF ALL INGROUND SERVICES PRIOR TO ANY EXCAVATION.

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DATUM
 PSM 112927
 MGA2020 Zone 56
 MINSTAFF SURVEY
 M4134 3000 001-A (02.02.22)

DRAWING ISSUE

ISSUE	DATE	DETAILS	INITIAL
P1	17.01.23	FOR INFORMATION	NJK
P2	01.04.26	FOR INFORMATION	NJK



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CLIENT
 DAVID YU

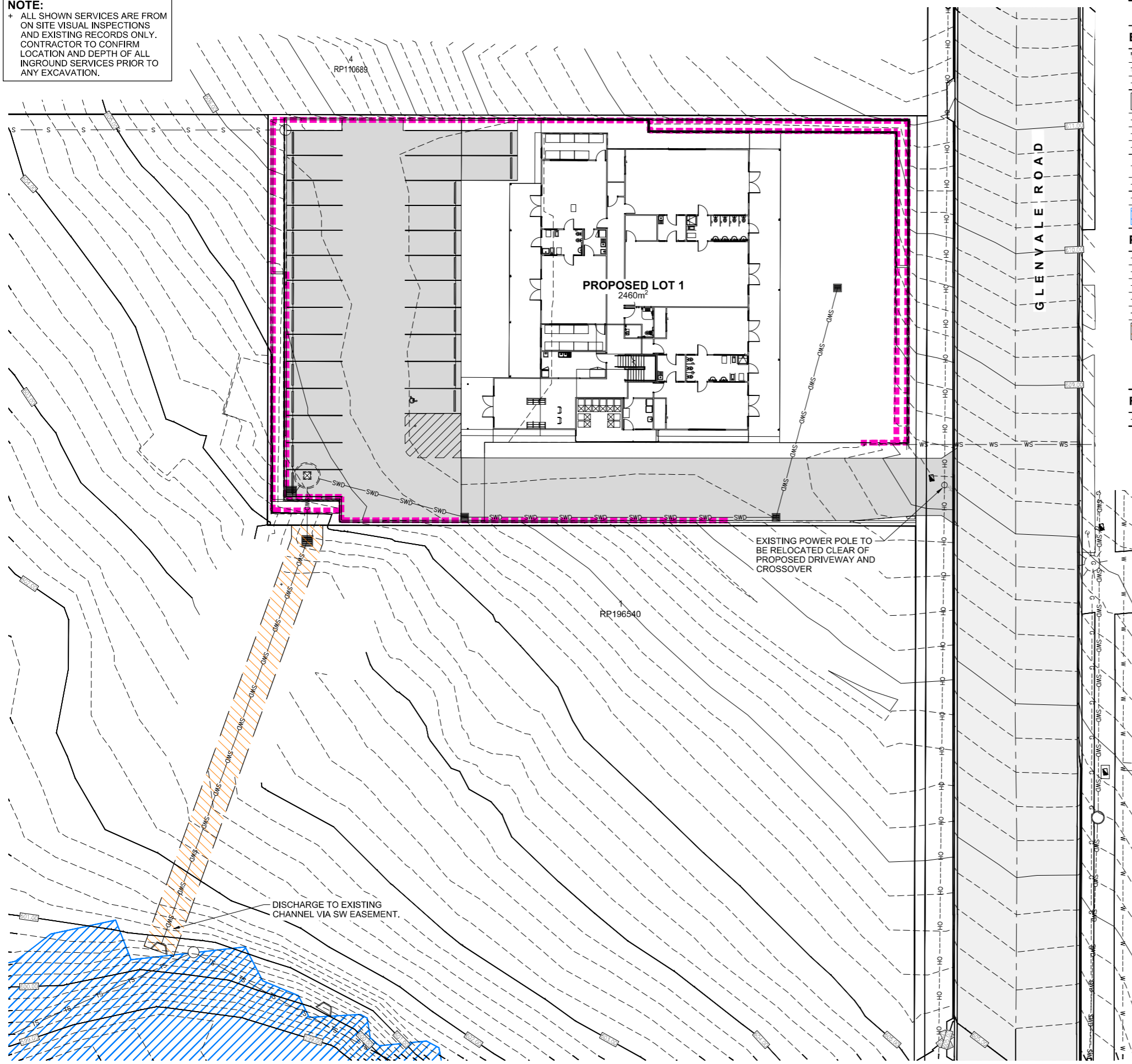
PROJECT
 172 GLENVALE ROAD CHILDCARE CENTRE

DRAWING TITLE
 OVERALL ALLOTMENT LAYOUT

DESIGN	NJK/AL	ORIGINAL SIZE	A1
DRAWN	MGM/DM	PROJECT NUMBER	C2122293
CHECKED		DRAWING NUMBER	DA01
APPROVED	RPEQ # 25399	ISSUE	P2
DATE	01.04.26		

OVERALL ALLOTMENT LAYOUT
 SCALE:- 1:500 @ A1, 1:1000 @ A3

NOTE:
 + ALL SHOWN SERVICES ARE FROM ON SITE VISUAL INSPECTIONS AND EXISTING RECORDS ONLY. CONTRACTOR TO CONFIRM LOCATION AND DEPTH OF ALL INGROUND SERVICES PRIOR TO ANY EXCAVATION.



OVERALL LEGEND

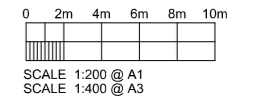
EXISTING WORKS	
	EXISTING KERB AND CHANNEL.
	EXISTING BITUMEN EDGE
	EXISTING CONTROL LINE
	EXISTING ROAD PAVEMENT
	EXISTING SEWER MAIN AND MANHOLE
	EXISTING SEWER RISING MAIN AND MANHOLE
	EXISTING WATER MAIN
	EXISTING OVERHEAD ELECTRICAL LINES AND POWER POLES
	EXISTING TELECOMMUNICATION LINES
	EXISTING GAS MAIN
	EXISTING FLOODING ZONE AND CHANNEL
PROPOSED WORKS	
	PROPOSED SEWER MAIN AND MANHOLE
	PROPOSED STORM WATER DRAINAGE AND PIT
	PROPOSED OPEN DRAIN AND DIRECTION
	PROPOSED WATER SERVICE
	PROPOSED EASEMENT
	DENOTES EXTENT OF PROPOSED EASEMENT AREA
	MAJOR DESIGN SURFACE CONTOURS (1.0m INTERVALS)
	MINOR DESIGN SURFACE CONTOURS (0.2m INTERVALS)
FUTURE WORKS	
	FUTURE TRUNK SEWER LGIP ID GS64

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DATUM
 PSM 112927
 MGA2020 Zone 56
 MINSTAFF SURVEY
 M4134 3000 001-A (02.02.22)

DRAWING ISSUE

ISSUE	DATE	DETAILS	INITIAL
P1	17.01.23	FOR INFORMATION	NJK
P2	01.04.26	FOR INFORMATION	NJK
P3	01.04.26	FOR INFORMATION	NJK



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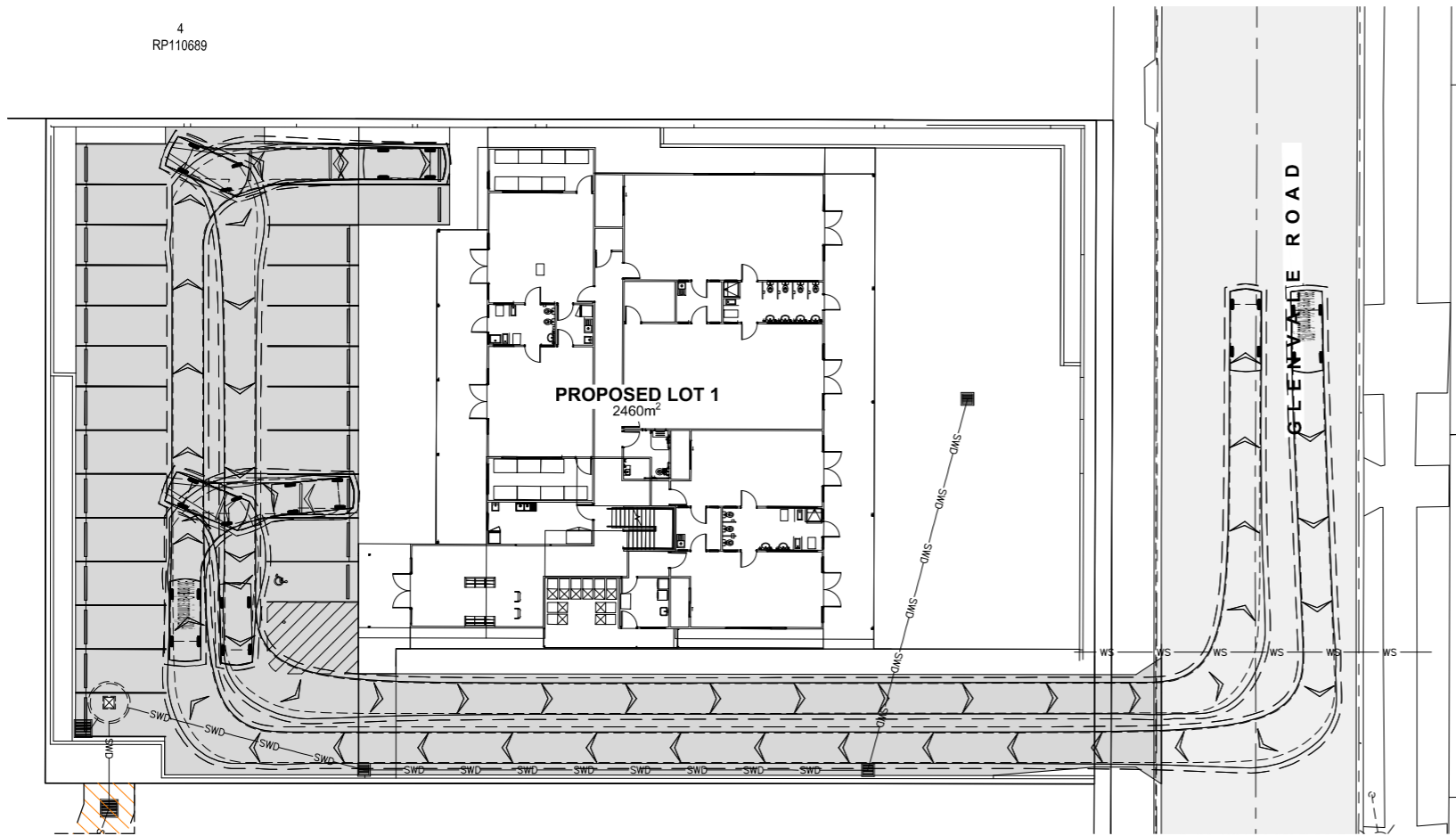
CLIENT
DAVID YU

PROJECT
172 GLENVALE ROAD CHILDCARE CENTRE

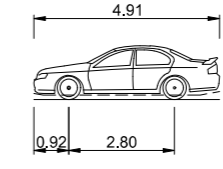
DRAWING TITLE
SITE LAYOUT

DESIGN	NJK/AL	ORIGINAL SIZE	A1
DRAWN	MGM	PROJECT NUMBER	C2122293
CHECKED			
APPROVED	RPEQ # 25399	DRAWING NUMBER	DA02
DATE	01.04.26	ISSUE	P3

SITE LAYOUT
 SCALE:- 1:200 @ A1, 1:400 @ A3



NOTE:
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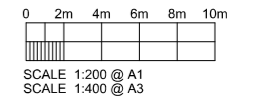
AUTODESK VEHICLE TRACKING 2024
DATA SOURCE - STANDARDS AUSTRALIA
AS/NZS 2890.1:2004

- B85 Vehicle (Realistic min radius) (2004)
- Overall Length 4.910m
- Overall Width 1.870m
- Overall Body Height 1.421m
- Min Body Ground Clearance 0.120m
- Track Width 1.770m
- Lock-to-lock time 4.00s
- Curb to Curb Turning Radius 5.750m

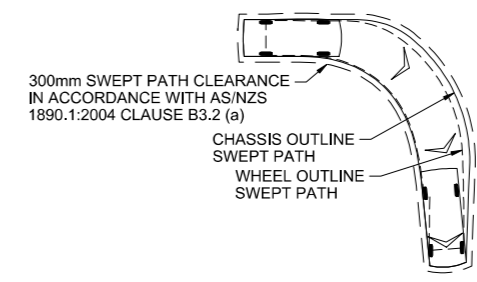
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DATUM
PSM 112927
MGA2020 Zone 56
MINSTAFF SURVEY
M4134 3000 001-A (02.02.22)

DRAWING ISSUE			
ISSUE	DATE	DETAILS	INITIAL
P1	20.01.23	FOR INFORMATION	NJK
P2	01.04.26	FOR INFORMATION	NJK

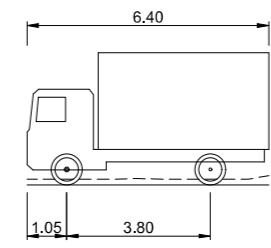


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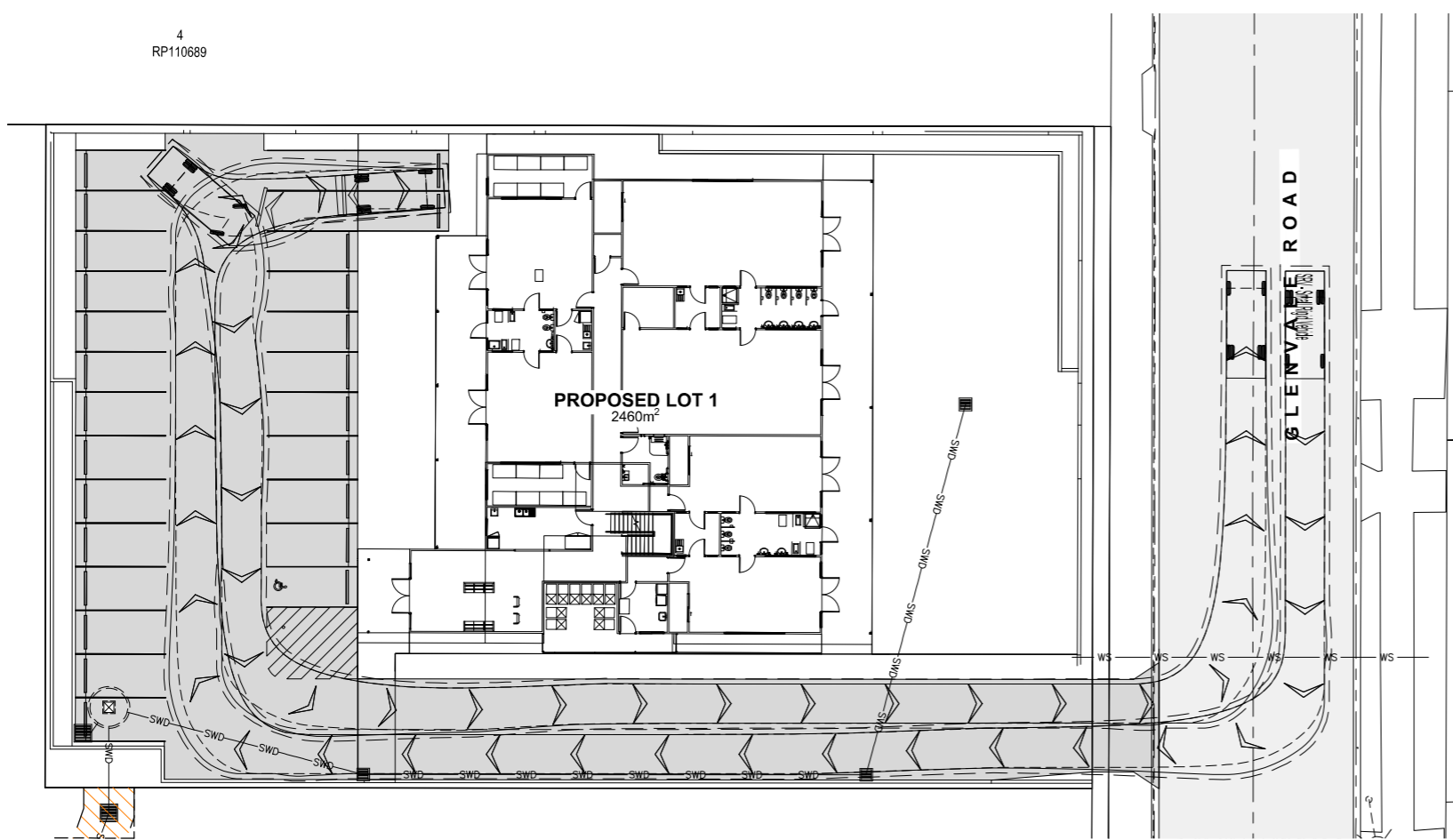
300mm SWEPT PATH CLEARANCE
IN ACCORDANCE WITH AS/NZS
1890.1:2004 CLAUSE B3.2 (a)

VEHICLE MANOEUVRING DETAILS
N.T.S.



AUTODESK VEHICLE TRACKING 2021
DATA SOURCE - STANDARDS AUSTRALIA
AS/NZS 2890.2:2002

- SRV - Small Rigid Vehicle
- Overall Length 6.400m
- Overall Width 2.330m
- Overall Body Height 3.500m
- Min Body Ground Clearance 0.150m
- Track Width 2.330m
- Lock-to-lock time 4.00s
- Curb to Curb Turning Radius 7.100m



VEHICLE MANOEUVRING LAYOUT - B85 VEHICLE
SCALE:- 1:200 @ A1, 1:400 @ A3

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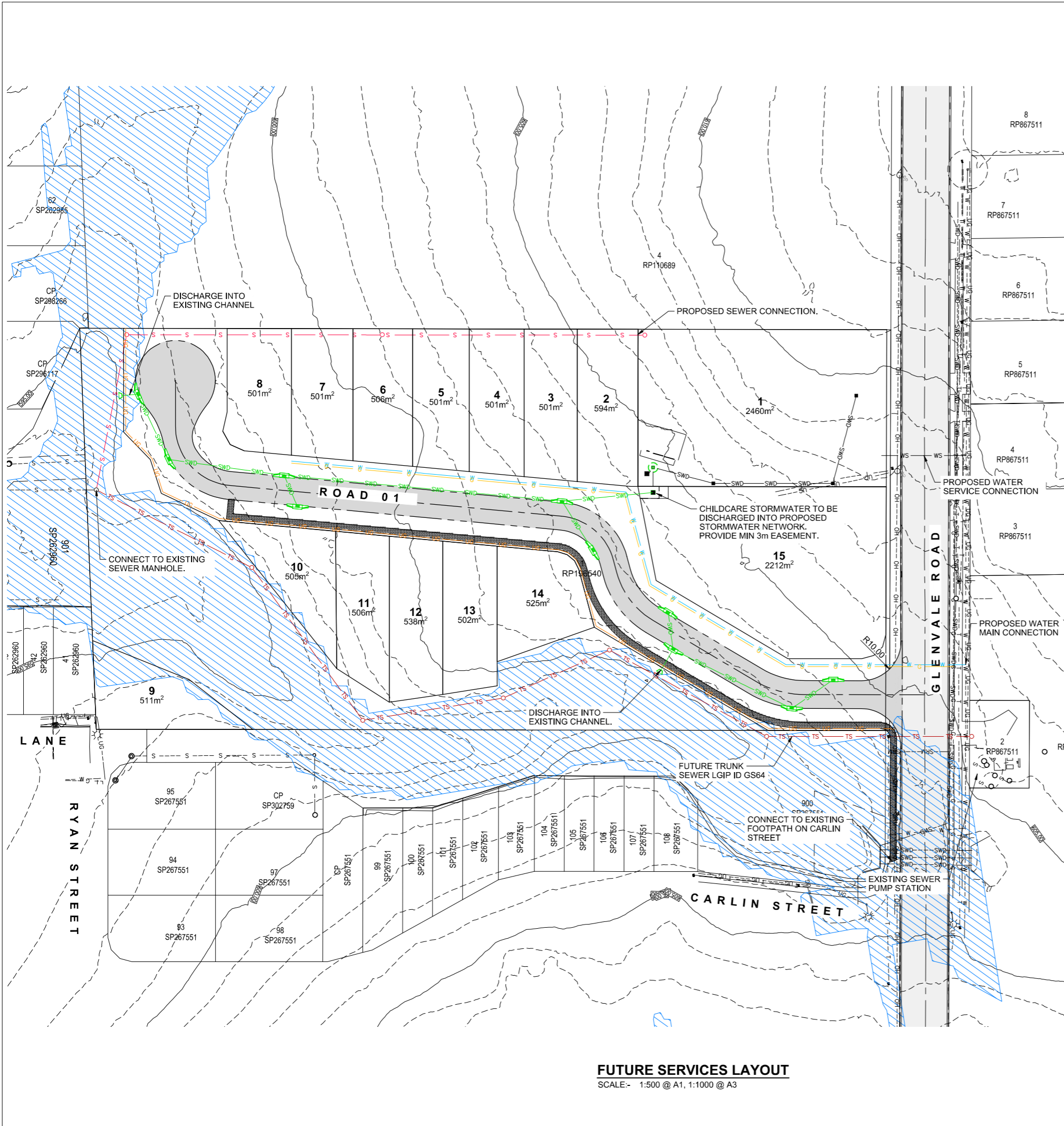
CIVIL | STRUCTURAL | HYDRAULIC

CLIENT
DAVID YU

PROJECT
172 GLENVALE ROAD CHILDCARE CENTRE

DRAWING TITLE
VEHICLE MANOEUVRING LAYOUT - B85 VEHICLE

DESIGN	NJK/AL	ORIGINAL SIZE	A1
DRAWN	MGD/M	PROJECT NUMBER	C2122293
CHECKED	GRP		
APPROVED	RPEQ # 25399	DRAWING NUMBER	DA04
DATE	01.04.26	ISSUE	P2



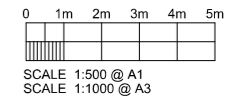
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DATUM
 PSM 112927
 MGA2020 Zone 56
 MINSTAFF SURVEY
 M4134 3000 001-A (02.02.22)

DRAWING ISSUE

ISSUE	DATE	DETAILS	INITIAL
P1	01.11.24	FOR APPROVAL	NJK
P2	01.04.26	FOR INFORMATION	NJK



OVERALL LEGEND

PROPOSED WORKS	
	PROPOSED KERB INVERT
	PROPOSED CONTROL LINE
	PROPOSED ROAD PAVEMENT
	PROPOSED SEWER MAIN AND MANHOLE
	PROPOSED STORM WATER DRAINAGE, GULLY, PIT AND HEADWALL
	PROPOSED WATER MAIN
	PROPOSED GAS MAIN
	PROPOSED UNDERGROUND ELECTRICAL CONDUITS
	1.5m WIDE CONCRETE FOOTPATH.
EXISTING WORKS	
	MAJOR EXISTING SURFACE CONTOURS (5.0m INTERVALS)
	MINOR EXISTING SURFACE CONTOURS (1.0m INTERVALS)
	EXISTING KERB AND CHANNEL.
	EXISTING CONTROL LINE
	EXISTING ROAD PAVEMENT
	EXISTING SEWER MAIN AND MANHOLE
	EXISTING SEWER RISING MAIN AND MANHOLE
	EXISTING WATER MAIN
	EXISTING OVERHEAD ELECTRICAL LINES AND POWER POLES
	EXISTING TELECOMMUNICATION LINES
	EXISTING GAS MAIN
	EXISTING UNDERGROUND ELECTRICAL CONDUITS
	EXISTING FLOODING ZONE AND CHANNEL
FUTURE WORKS	
	FUTURE TRUNK SEWER LGIP ID GS64

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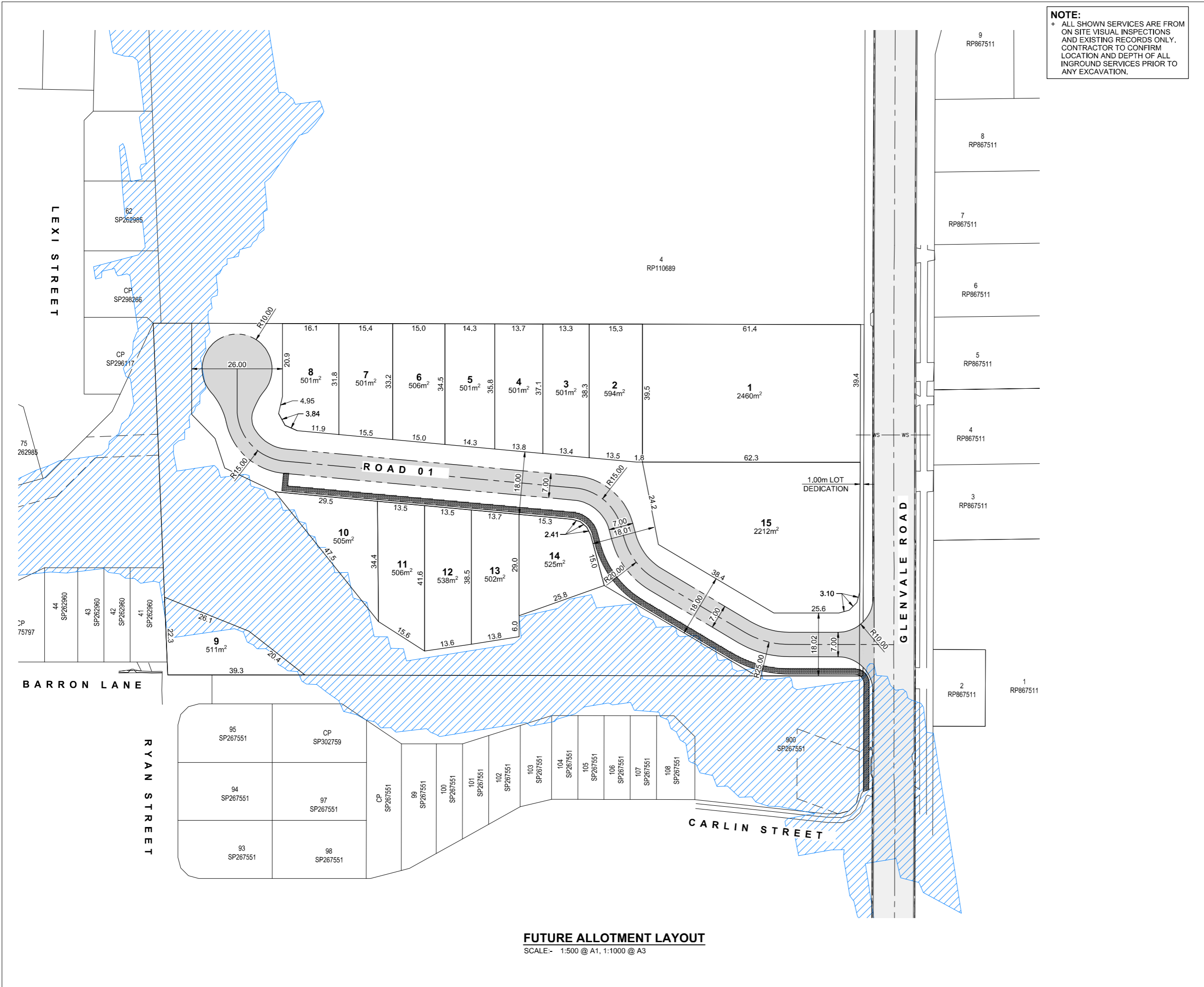
CLIENT
 DAVID YU

PROJECT
 172 GLENVALE ROAD CHILDCARE CENTRE

DRAWING TITLE
 FUTURE SERVICES LAYOUT

DESIGN	NJK/AL	ORIGINAL SIZE	A1
DRAWN	MGM/DM	PROJECT NUMBER	C2122293
CHECKED	GRP		
APPROVED	RPEQ # 25399	DRAWING NUMBER	DA05
DATE	01.04.26	ISSUE	P2

FUTURE SERVICES LAYOUT
 SCALE:- 1:500 @ A1, 1:1000 @ A3

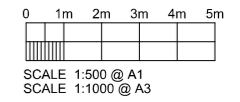


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ISSUE	DATE	DETAILS	INITIAL
P1	01.11.24	FOR APPROVAL	NJK
P2	01.04.26	FOR INFORMATION	NJK



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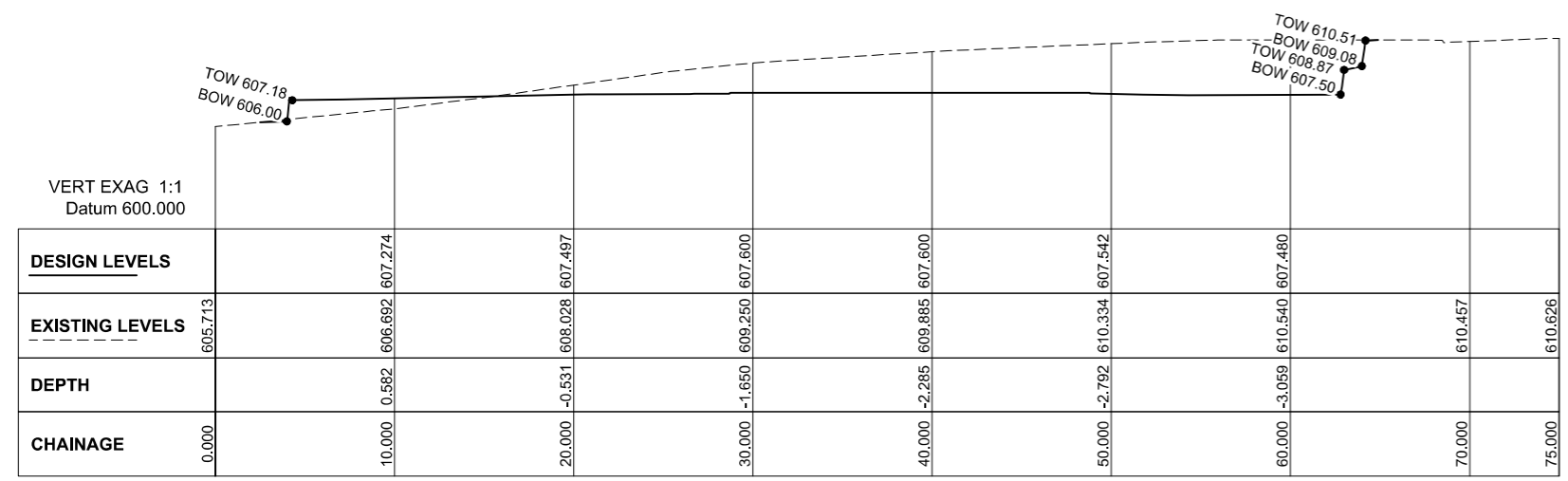
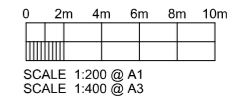
DRAWING TITLE
 FUTURE ALLOTMENT LAYOUT

DESIGN	NJK/AL	ORIGINAL SIZE	A1
DRAWN	MGD/M	PROJECT NUMBER	C2122293
CHECKED	GRP		
APPROVED	RPEQ # 25399	DRAWING NUMBER	DA06
DATE	01.04.26	ISSUE	P2

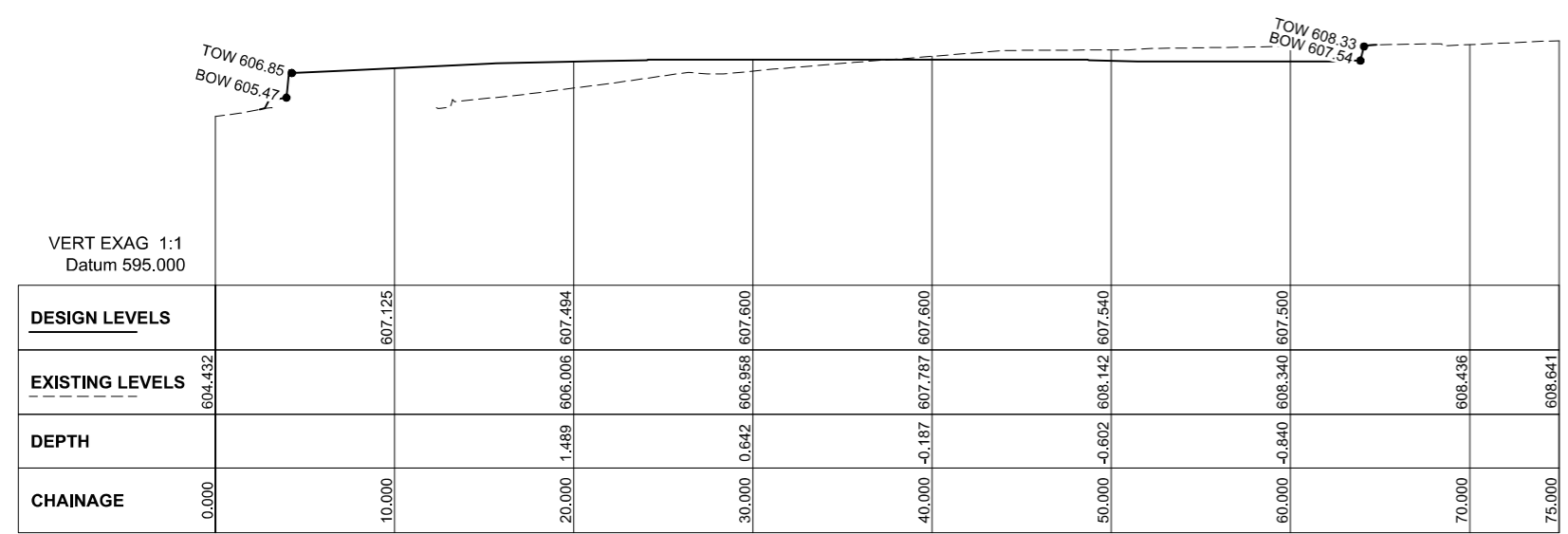
FUTURE ALLOTMENT LAYOUT
 SCALE:- 1:500 @ A1, 1:1000 @ A3

DATUM
PSM 112927
 MGA2020 Zone 56
 MINSTAFF SURVEY
 M4134 3000 001-A (02.02.22)

DRAWING ISSUE			
ISSUE	DATE	DETAILS	INITIAL
P1	01.04.26	FOR INFORMATION	NJK



SECTION 1
 SCALE:- 1:200 @ A1
 1:400 @ A3 **DA03**



SECTION 2
 SCALE:- 1:200 @ A1
 1:400 @ A3 **DA03**

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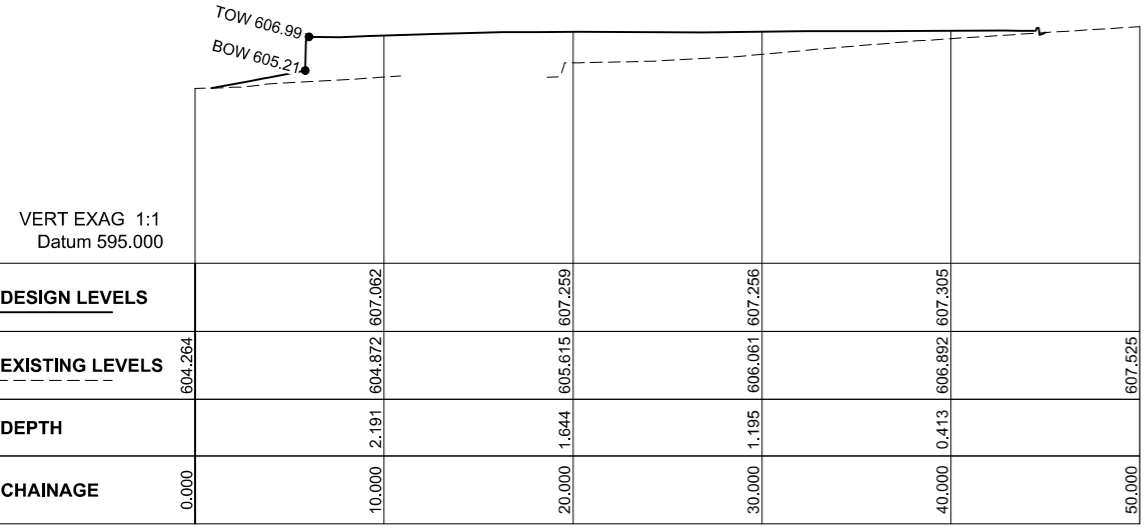
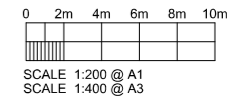
PROJECT
172 GLENVALE ROAD CHILDCARE CENTRE

DRAWING TITLE
EARTHWORKS SECTIONS - SHEET 1

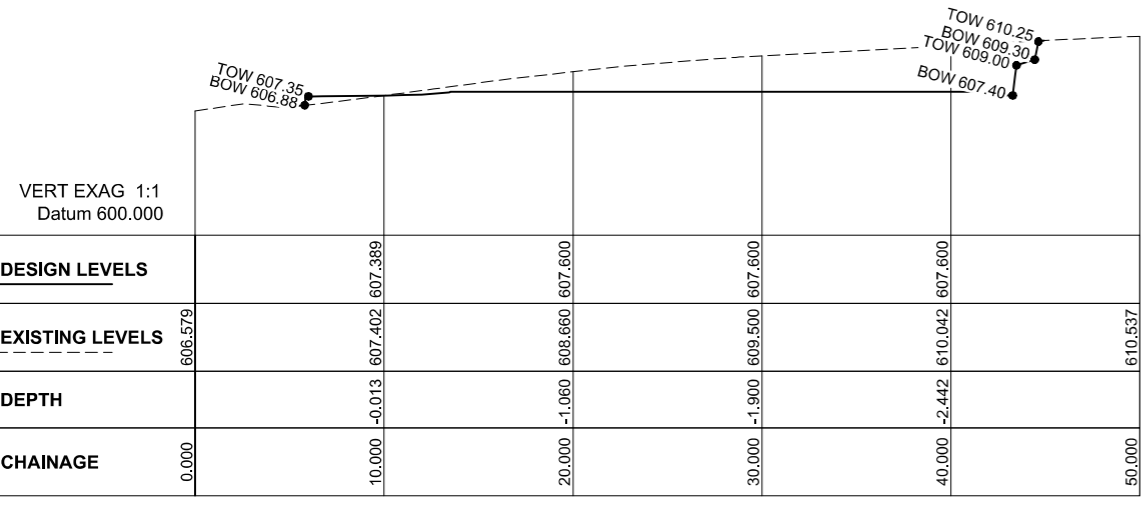
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DRAWN	MGD/M	PROJECT NUMBER	C2122293
CHECKED	GRP		
APPROVED	RPEQ # 25399	DRAWING NUMBER	DA08
DATE	01.04.26	ISSUE	P1

DATUM
 PSM 112927
 MGA2020 Zone 56
 MINSTAFF SURVEY
 M4134 3000 001-A (02.02.22)

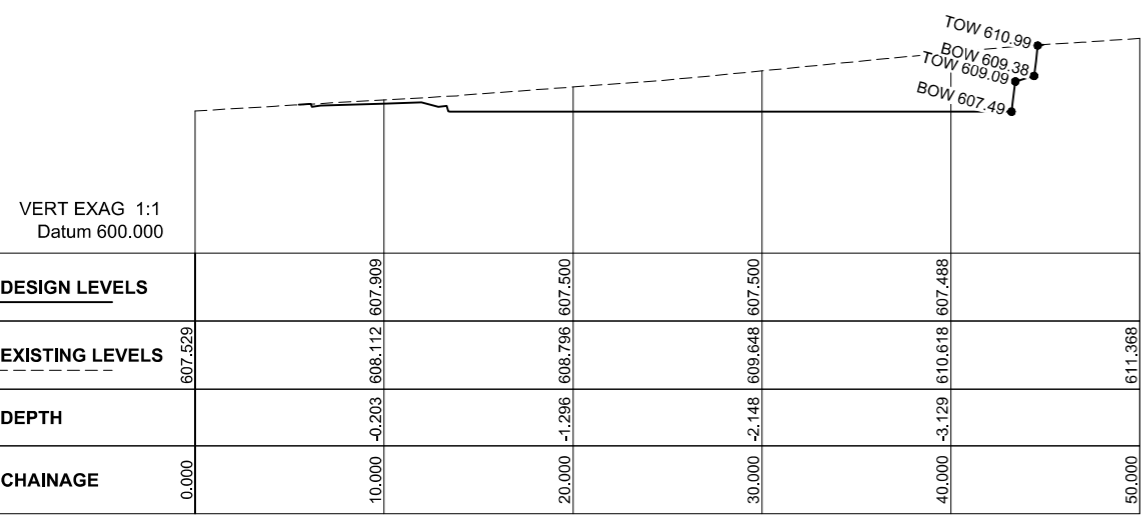
DRAWING ISSUE			
ISSUE	DATE	DETAILS	INITIAL
P1	01.04.26	FOR INFORMATION	NJK



SECTION 3
 SCALE:- 1:200 @ A1
 1:400 @ A3



SECTION 4
 SCALE:- 1:200 @ A1
 1:400 @ A3



SECTION 5
 SCALE:- 1:200 @ A1
 1:400 @ A3

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DRAWING TITLE
 EARTHWORKS SECTIONS - SHEET 2

DESIGN	NJK/AL	ORIGINAL SIZE	A1
DRAWN	MGM	PROJECT NUMBER	C2122293
CHECKED	GRP	DRAWING NUMBER	DA09
APPROVED	RPEQ # 25399	ISSUE	P1
DATE	01.04.26		