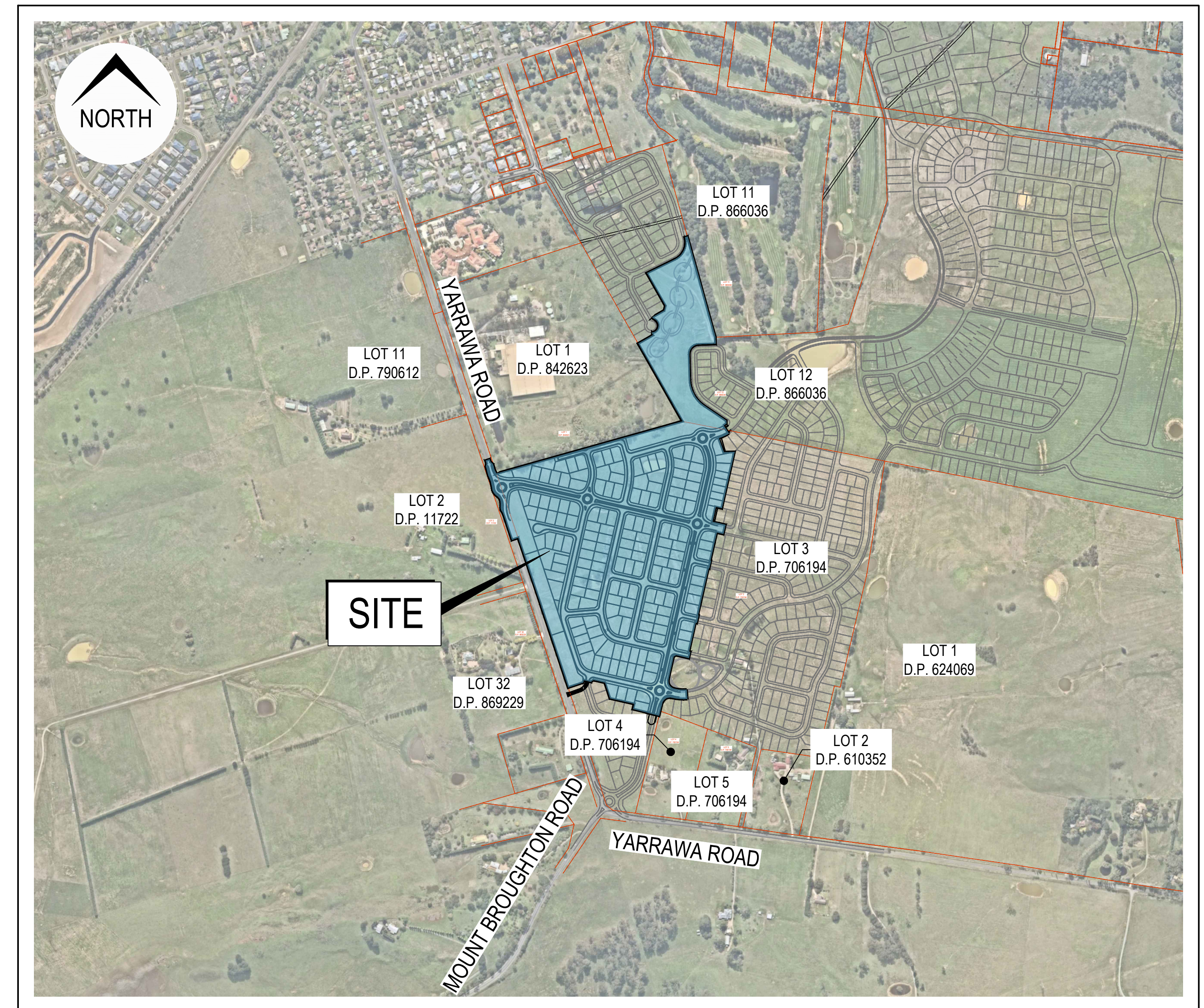


Prepared by:



Prepared for:

LGA:



SITE / LOCATION (Image courtesy of Nearmap 08.04.2019)

LOT 3 D.P. 706194
 LOT 12 D.P. 866036

STAGE 1

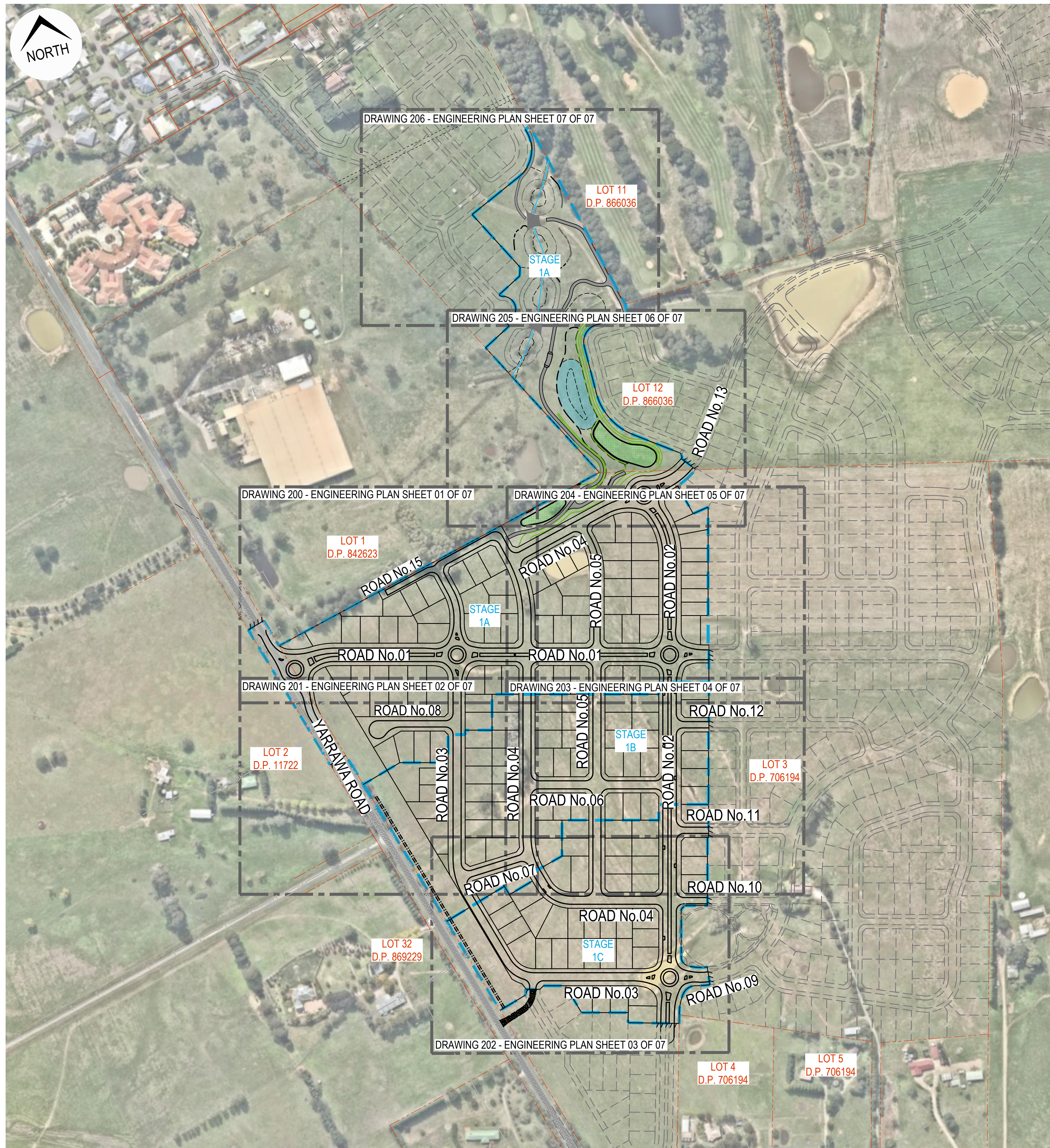
**32 LOVELLE STREET &
 141 YARRAWA ROAD, MOSS VALE,**

ROAD AND DRAINAGE DESIGN

ISSUED FOR **DEVELOPMENT APPLICATION**
 NOT FOR CONSTRUCTION

PLAN INDEX		
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DA 002	DEMOLITION & TREE REMOVAL PLAN	D
DA 003	SITE REGRADING PLAN	D
DA 004	SITE SECTIONS SHEET 01 OF 05	D
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DA 307	ROAD LONG SECTIONS SHEET 06 OF 08	D
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DA 501	12.5m VEHICLE TURNPATH PLAN SHEET 02 OF 15	D
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DA 507	19m VEHICLE TURNPATH PLAN SHEET 08 OF 15	D
DA 508	19m VEHICLE TURNPATH PLAN SHEET 09 OF 15	D
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COMBINED SERVICES		
DA 600	COMBINED SERVICES LAYOUT PLAN SHEET 01 OF 07	D
DA 601	COMBINED SERVICES LAYOUT PLAN SHEET 02 OF 07	D
DA 602	COMBINED SERVICES LAYOUT PLAN SHEET 03 OF 07	D
DA 603	COMBINED SERVICES LAYOUT PLAN SHEET 04 OF 07	D
DA 604	COMBINED SERVICES LAYOUT PLAN SHEET 05 OF 07	D
DA 605	COMBINED SERVICES LAYOUT PLAN SHEET 06 OF 07	D
DA 606	COMBINED SERVICES LAYOUT PLAN SHEET 07 OF 07	D



LEGEND			
	EXISTING	PROPOSED	FUTURE
UTILITY - ELECTRICITY	E	E	E
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
TELECOMS	T	T	T
NBN	NBN	NBN	NBN
OPTIC FIBRE	OF	OF	OF
CONTOUR LINE & LABEL	20.0	20.0	20.0
LOT NUMBER & BOUNDARY	LOT #	LOT #	LOT #
APPROXIMATE LIMIT OF WORKS OR STAGE			
BUILDING / ENVELOPE			
ROAD, NUMBER, CONTROL LINE, CHAINAGE & CHAINAGE MARK	ROAD #HO	ROAD #HO	ROAD #HO
COUNCIL STANDARD KERB & GUTTER OR ROLL KERB		K&G RK	
COUNCIL STANDARD KERB ONLY & SLOTTED KERB & GUTTER		KO KT SKG	
COUNCIL STANDARD DISH CROSSING		DC	
INDICATIVE DRIVEWAY LOCATION (REFER TO LANDSCAPE ARCHITECT PLAN)			
COUNCIL STANDARD CONCRETE FOOTPATH & KERB RAMP			
STORMWATER DRAINAGE PIPE AND STRUCTURE			
STORMWATER DRAINAGE PIPE AND STUB			
EASEMENT (REFER LEGEND)	(A) (B) (C)	(A) (B) (C)	
SUBSOIL DRAIN			
DIVERSION SWALE			
RETAINING WALL			
BATTER			
TREE - TO BE RETAINED			
TREE - TO BE REMOVED			

UTILITIES SHOWN ARE DIAGRAMMATIC ONLY AND MAY NOT INCLUDE ALL SERVICES WITHIN THE LIMIT OF WORKS.

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES/STANDARDS.

GENERAL NOTES

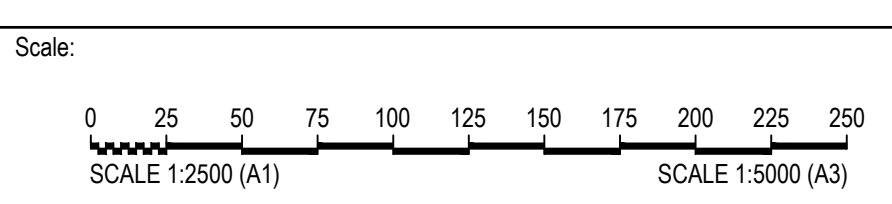
- ALL WORK TO BE CARRIED OUT IN ACCORDANCE WITH WINGECARRIBEE COUNCIL'S WORKS SPECIFICATION CIVIL (CURRENT EDITION) AND/OR AS DIRECTED BY THEIR REPRESENTATIVE.
- THE CONTRACTOR IS TO IDENTIFY, LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS AND WHERE NECESSARY MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST WHERE NECESSARY.
- COUNCIL'S TREE PRESERVATION ORDER MUST BE OBSERVED AND NO TREE SHALL BE FELLED, LOPPED OR REMOVED WITHOUT THE PRIOR APPROVAL OF COUNCIL.
- DIMENSIONS SHALL NOT BE SCALED FROM THE PLANS. CLARIFICATION OF DIMENSIONS SHALL BE SOUGHT FROM THE SUPERINTENDENT OR REFERRED TO THE DESIGNER.
- ALL NEW WORK IS TO MAKE A SMOOTH JUNCTION WITH THE EXISTING CONDITIONS.



ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM		30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM		09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM		06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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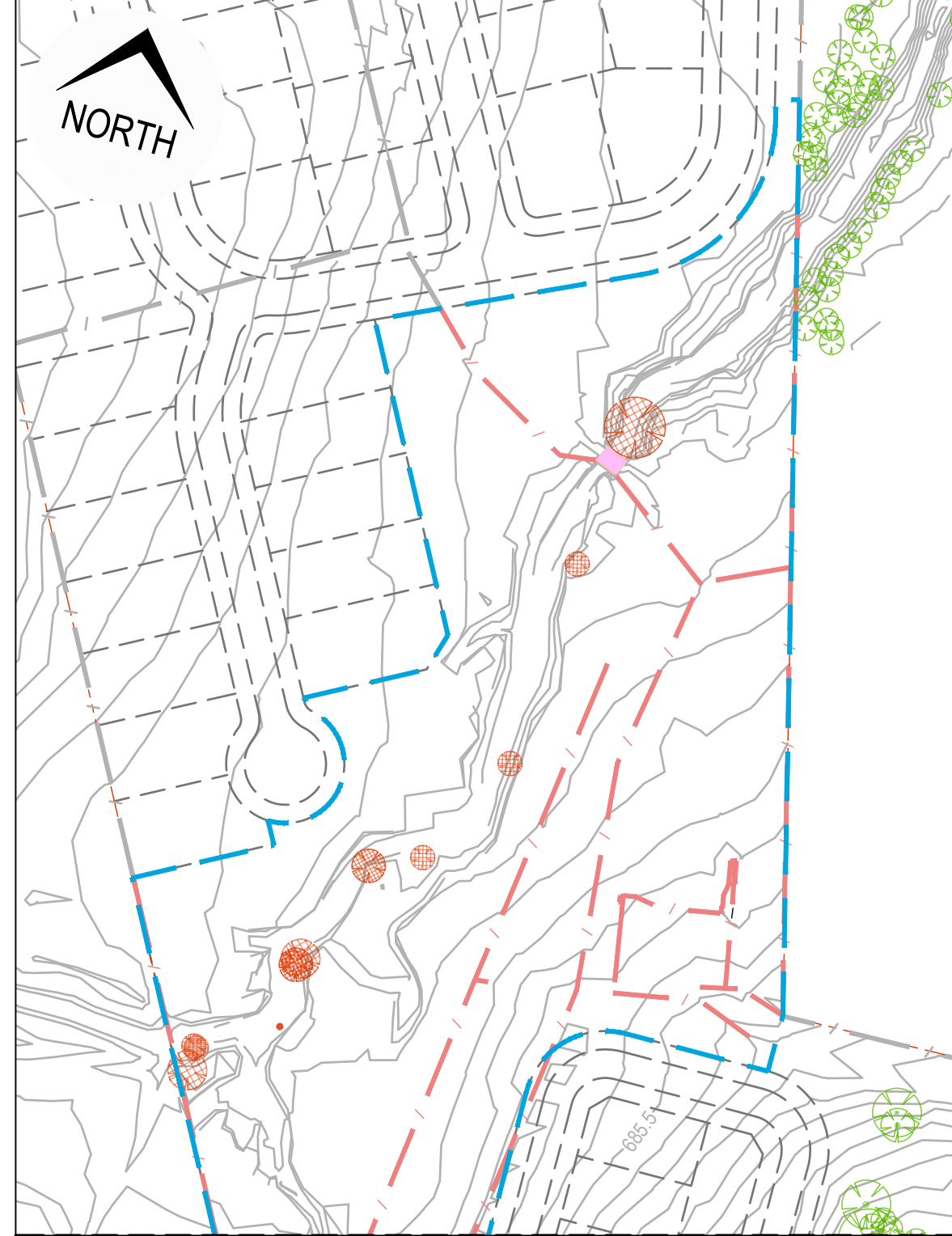
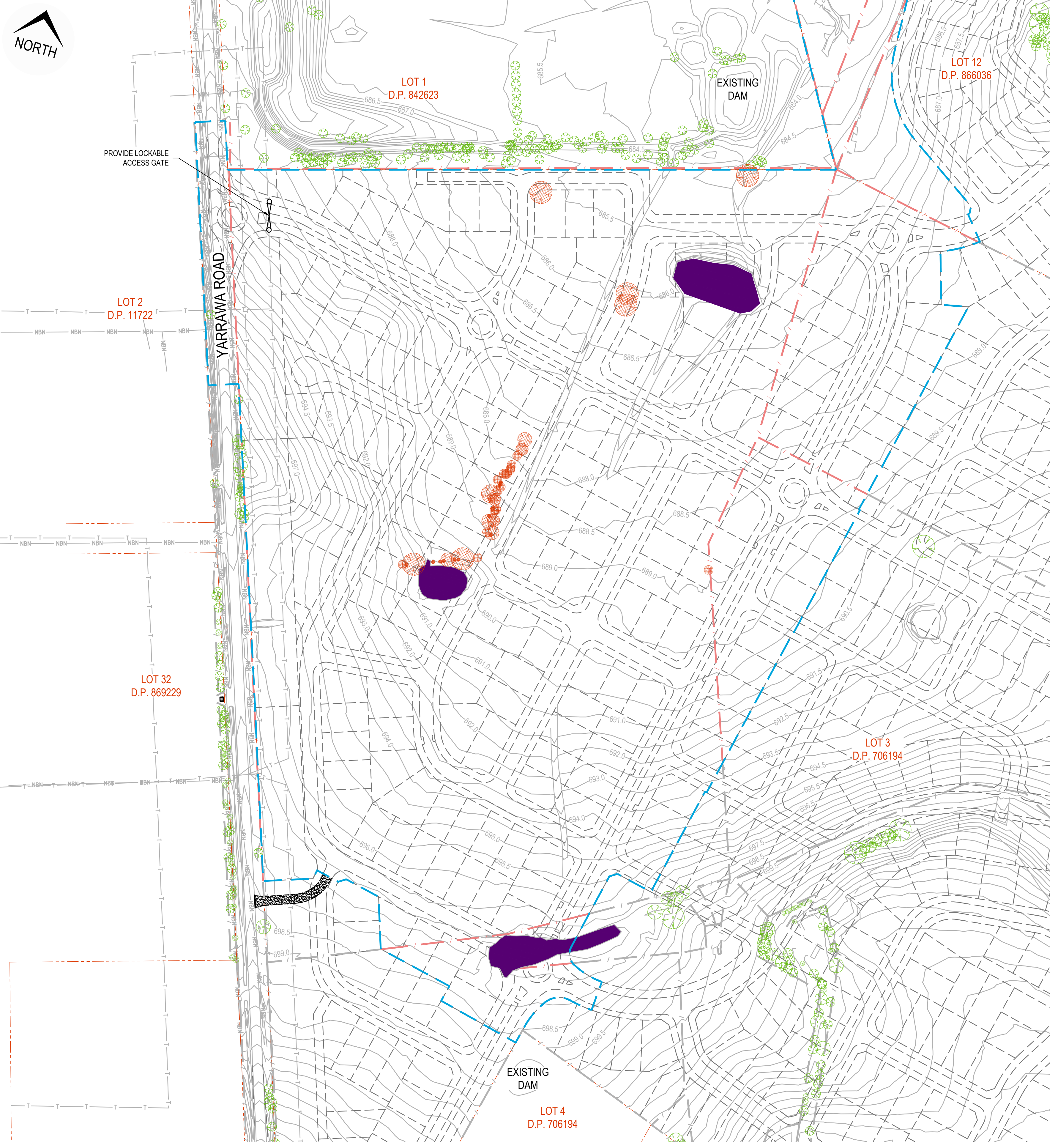
For: **Aoyuan** building a healthy lifestyle

By: **Orion Consulting**
Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: GENERAL LAYOUT PLAN, NOTES & LEGEND				
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	001	D

REFER TO INSET 'A' FOR CONTINUATION



INSET 'A'
SCALE 1:1500

LEGEND	
EXISTING CONCRETE TO BE DEMOLISHED AND REMOVED OFFSITE TO APPROVED WASTE FACILITY	
EXISTING DAM TO BE DEWATERED AND FILLED & COMPACTED TO COUNCIL'S SPECIFICATIONS	
EXISTING FENCE TO BE REMOVED	
EXISTING TREES TO BE REMOVED	
EXISTING TREES TO REMAIN	
EXISTING CONTOURS	
APPROXIMATE LIMIT OF WORKS	

- CONTRACTOR TO ESTABLISH EXTENT OF ALL EXISTING SERVICES WITHIN THE EXTENT OF WORKS.
- CONTRACTOR TO GAIN ALL NECESSARY APPROVALS & PERMITS TO DEMOLISH, CAP OR REMOVE EXISTING SERVICES AS REQUIRED.
- CONTRACTOR TO ALLOW FOR THE DEMOLITION OF ALL EXISTING STRUCTURES & FEATURES (ABOVE & BELOW GROUND) ON THE SITE REQUIRED, INCLUDING BUILDINGS, FENCES, EXISTING PAVEMENT, DRAINAGE, SIGNS ETC.
- ALL DEMOLITION WORKS SHALL COMPLY WITH THE PROVISIONS OF AS2601:2001 THE DEMOLITION OF STRUCTURES.
- REMOVAL OF EXISTING ELECTRICAL INFRASTRUCTURE TO BE COMPLETED IN ACCORDANCE ELECTRICAL CONSULTANTS SPECIFICATIONS & DRAWINGS.
- EXISTING SERVICES TO BE LOCATED FROM DBYD PLANS AND ONSITE SERVICES LOCATION.
- TREE REMOVAL SHALL BE IN ACCORDANCE WITH WINGECARRIBEE SHIRE COUNCIL'S REQUIREMENTS AND SPECIFICATIONS.



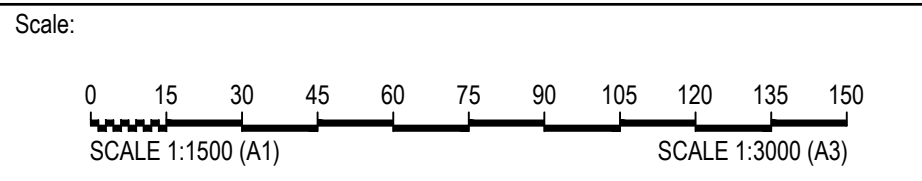
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IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES/STANDARDS.

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan**
building a healthy lifestyle

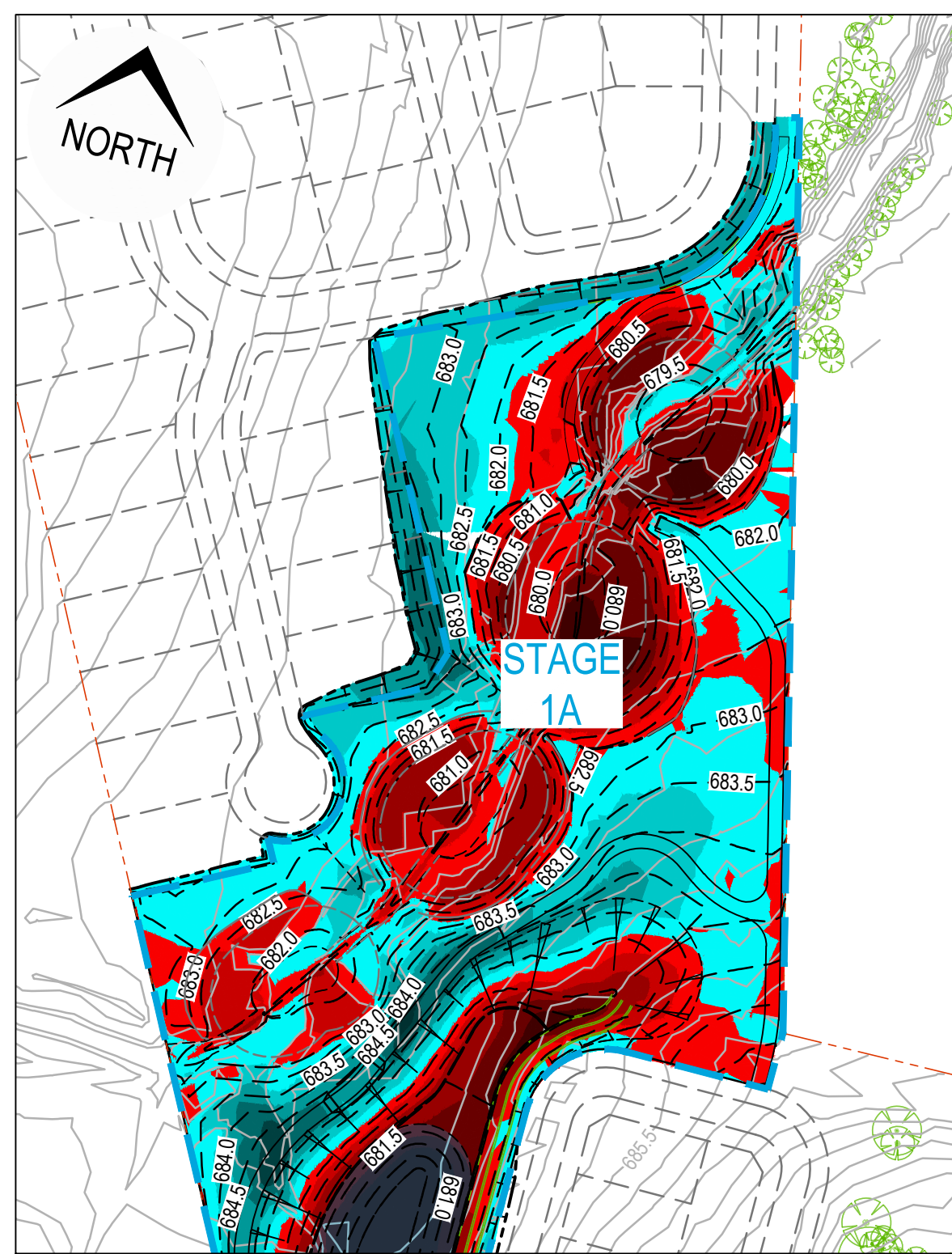
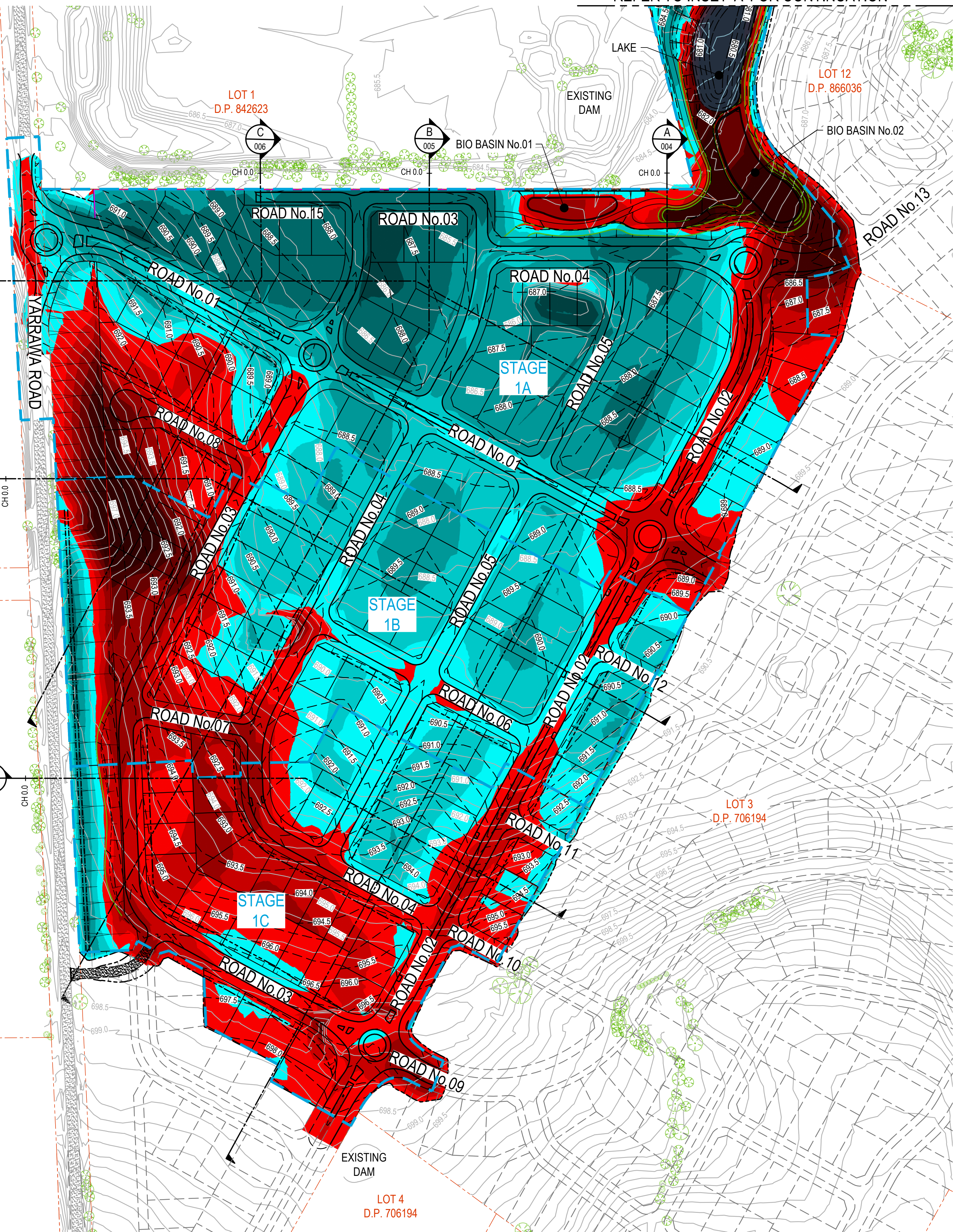
By: **Orion Consulting**
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: DEMOLITION & TREE REMOVAL PLAN	
Project No. 19-34	Set No. 01
Milestone DA	Plan 002
Revision D	

Project: 1 October 2020 12:20:37 PM File Name: C:\Projects\20191034 Moss Vale Stage 1 DA & BE Masterplan Design\Residential Subdivision\DA1934\DA02.dwg

REFER TO INSET 'A' FOR CONTINUATION



INSET 'A'
SCALE 1:1500

LEGEND

APPROXIMATE EXTENT OF FILL	0.0 - 0.5m	
	0.5 - 1.0m	
	1.0 - 1.5m	
	1.5 - 2.0m	
	2.0 - 2.5m	
	> 2.5m	
APPROXIMATE EXTENT OF CUT	0.0 - 0.5m	
	0.5 - 1.0m	
	1.0 - 1.5m	
	1.5 - 2.0m	
	2.0 - 2.5m	
	> 2.5m	

VOLUMES

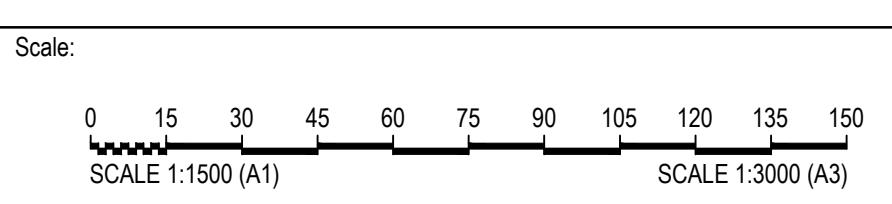
CUT -	87,600m ³
FILL -	115,400m ³
IMPORT -	27,800m ³

- NOTES:
- THESE VOLUMES ARE RAW ONLY (EXISTING SURFACE TO FINISHED DESIGN SURFACE).
 - NO BULKING FACTOR HAS BEEN APPLIED.
 - NO ALLOWANCE HAS BEEN MADE FOR TOPSOIL STRIPPING OR RESPREAD.
 - NO ALLOWANCE HAS BEEN MADE FOR UNSUITABLE MATERIAL ASSOCIATED WITH EXISTING DAMS SUCH AS WATER, MUD, SLUDGE ETC.
 - NO ALLOWANCE HAS BEEN MADE FOR BOXING OR SERVICE SPOIL.

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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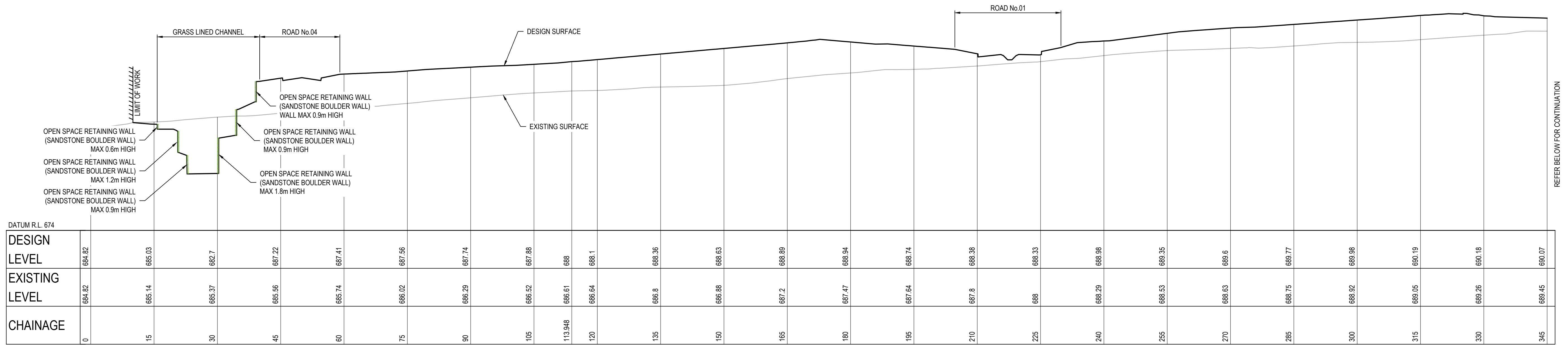
For: **Aoyuan**
building a healthy lifestyle

By: **Orion Consulting**
Member Firm
CONSULT AUSTRALIA
ABN:25 604 069 981 PO Box:7336, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

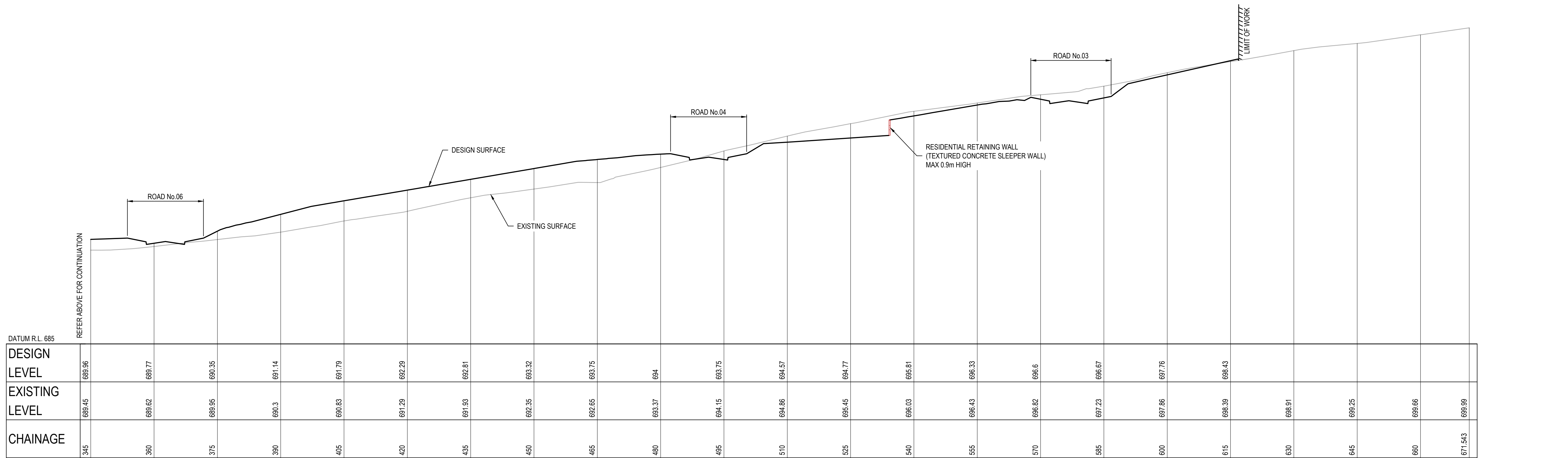
Project: **STAGE 1**
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: SITE REGRADING PLAN				
Project No. 19-34	Set No. 01	Milestone DA	Plan 003	Revision D

LEGEND	
PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)	
PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)	
PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)	



SITE SECTION A
SCALE: 1:500 (H)
SCALE: 1:100 (V)



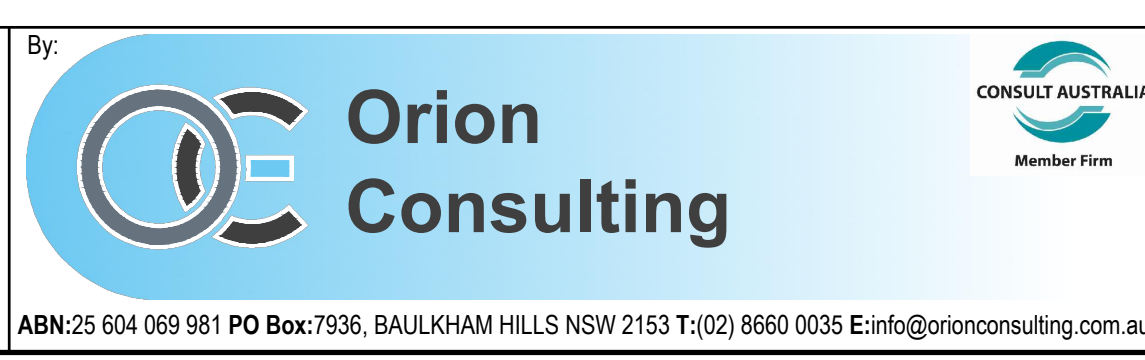
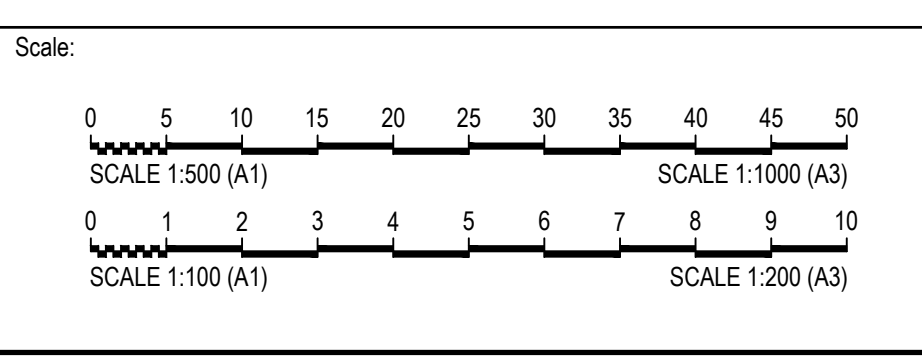
SITE SECTION A
SCALE: 1:500 (H)
SCALE: 1:100 (V)

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Project: 1 October 2020 12:30:47 PM File Name: O:\Projects\2019\10-34 Moss Vale Stage 1 DA & BE Masterplan\Design\Residential Subdivision\DA\13\DA\003.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM		30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM		09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM		06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

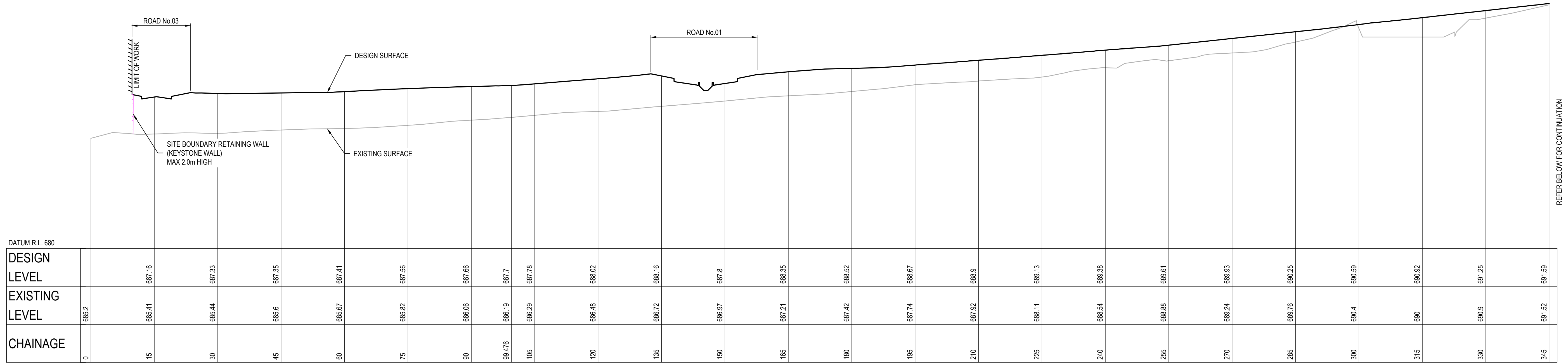
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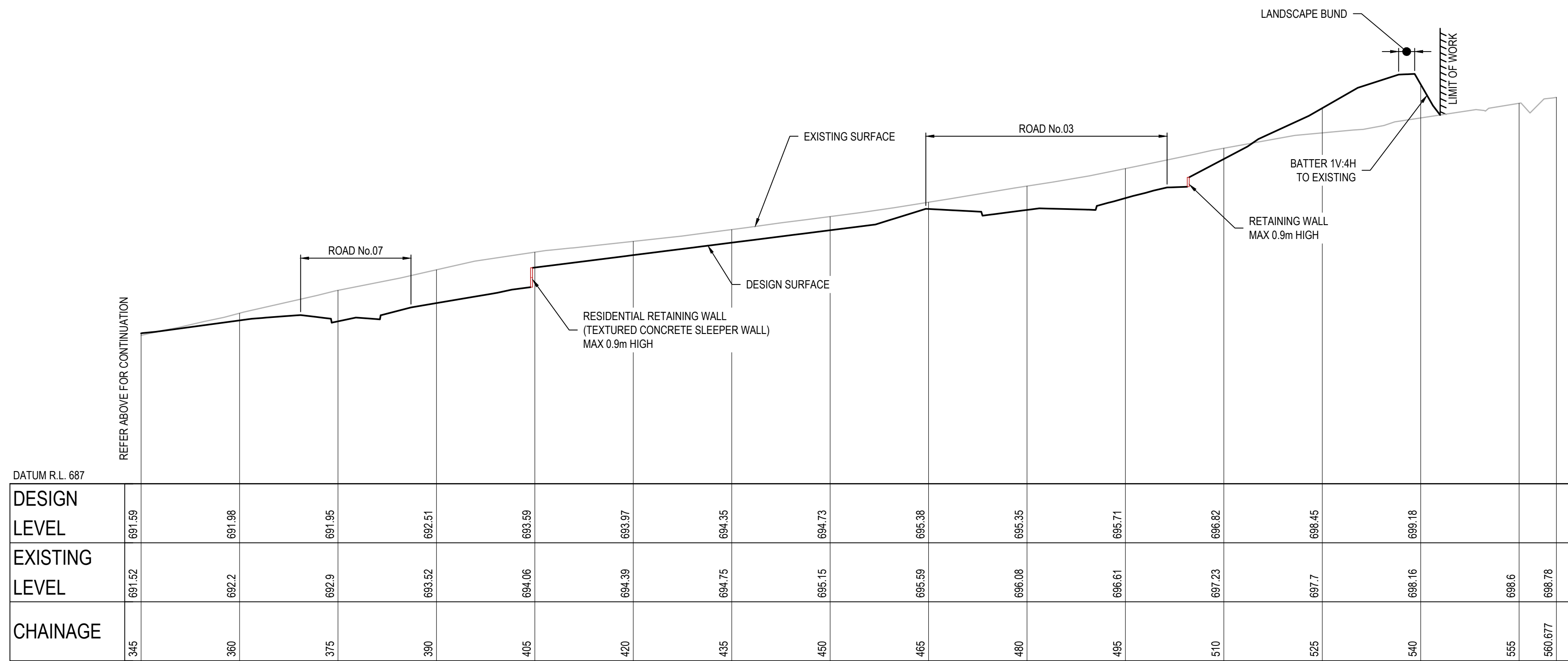
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: SITE SECTIONS SHEET 01 OF 05				
Project No. 19-34	Set No. 01	Milestone DA	Plan 004	Revision D

LEGEND	
PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)	
PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)	
PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)	



SITE SECTION B
 SCALE: 1:500 (H)
 SCALE: 1:100 (V)



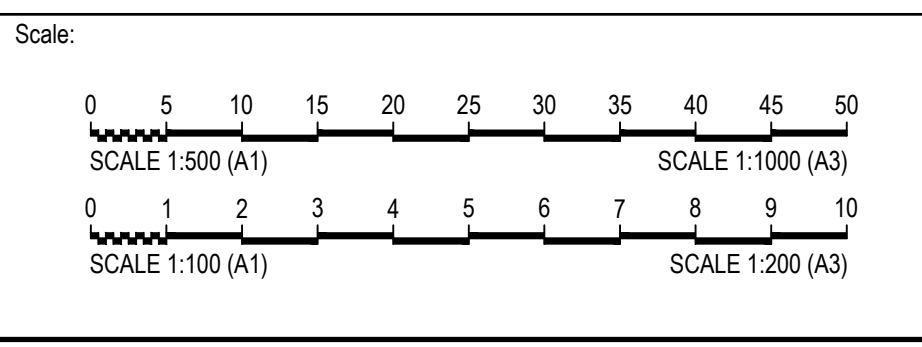
SITE SECTION B
 SCALE: 1:500 (H)
 SCALE: 1:100 (V)

ISSUED FOR **DEVELOPMENT APPLICATION**
 NOT FOR CONSTRUCTION

Project: 1 October 2020 12:20:59 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan Design\Residential Subdivision\DA\19-34 DA-005.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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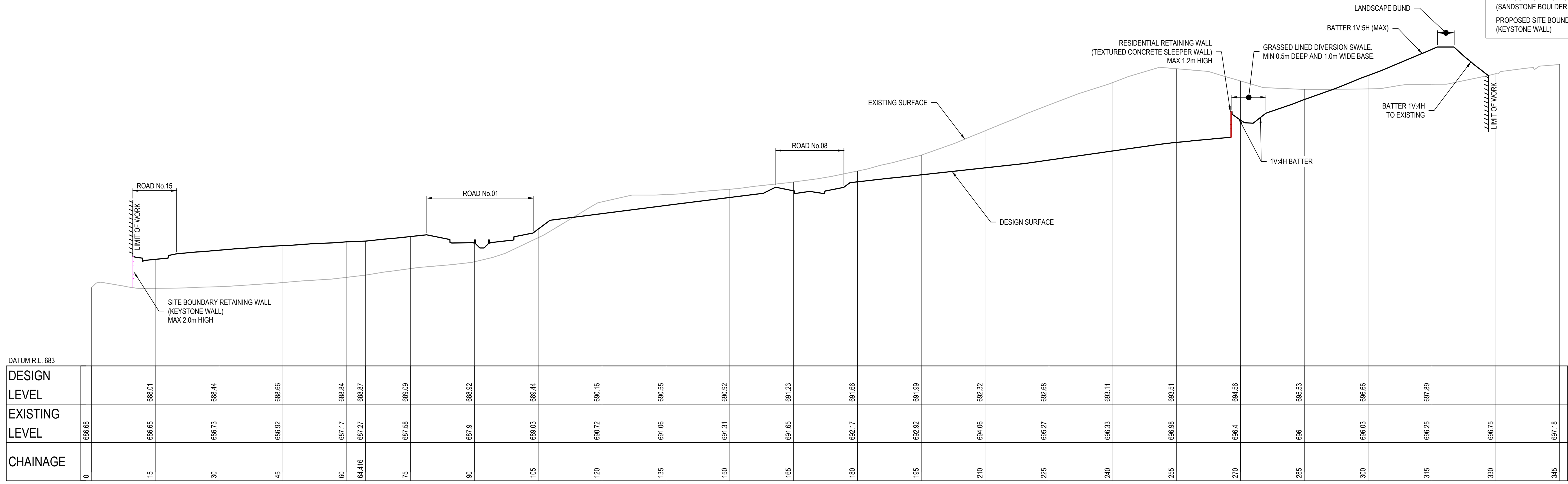
For: **Aoyuan** building a healthy lifestyle

By: **Orion Consulting** **CONSULT AUSTRALIA** Member Firm
 ABN:25 604 069 981 PO Box:7336, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

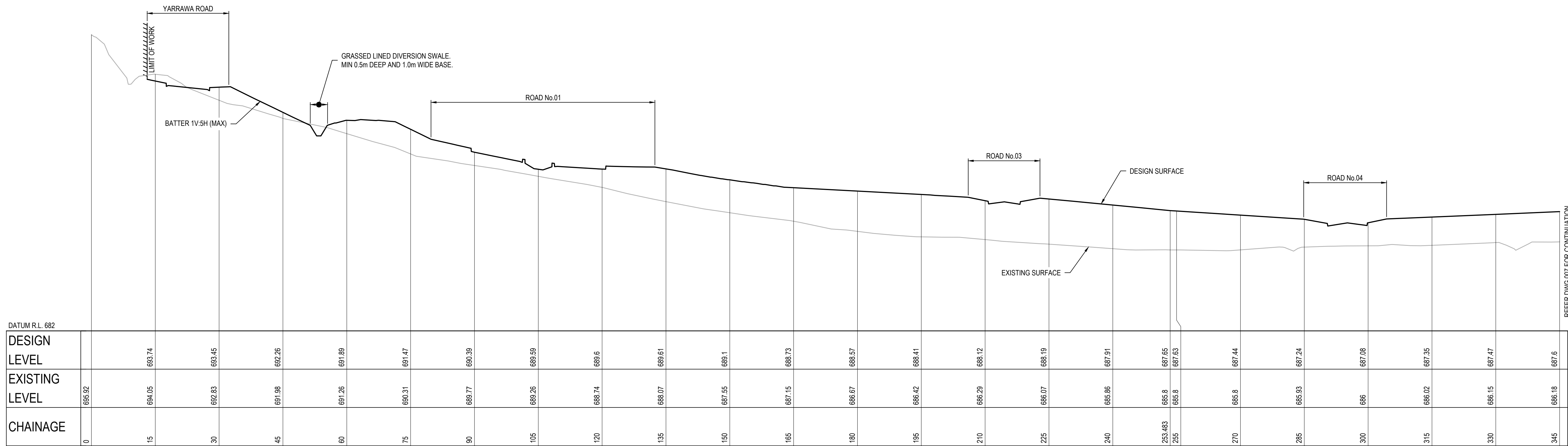
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: SITE SECTIONS SHEET 02 OF 05				
Project No. 19-34	Set No. 01	Milestone DA	Plan 005	Revision D

LEGEND	
PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)	
PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)	
PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)	



SITE SECTION C
 SCALE: 1:500 (H)
 SCALE: 1:100 (V)



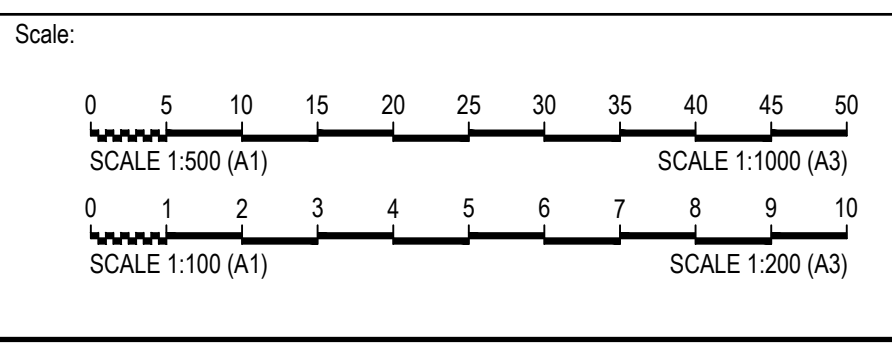
SITE SECTION D
 SCALE: 1:500 (H)
 SCALE: 1:100 (V)

ISSUED FOR DEVELOPMENT APPLICATION
 NOT FOR CONSTRUCTION

Project: 1 October 2020 12:02:03 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan\Design\Residential\Subdivision\DA\19-34 DA-006.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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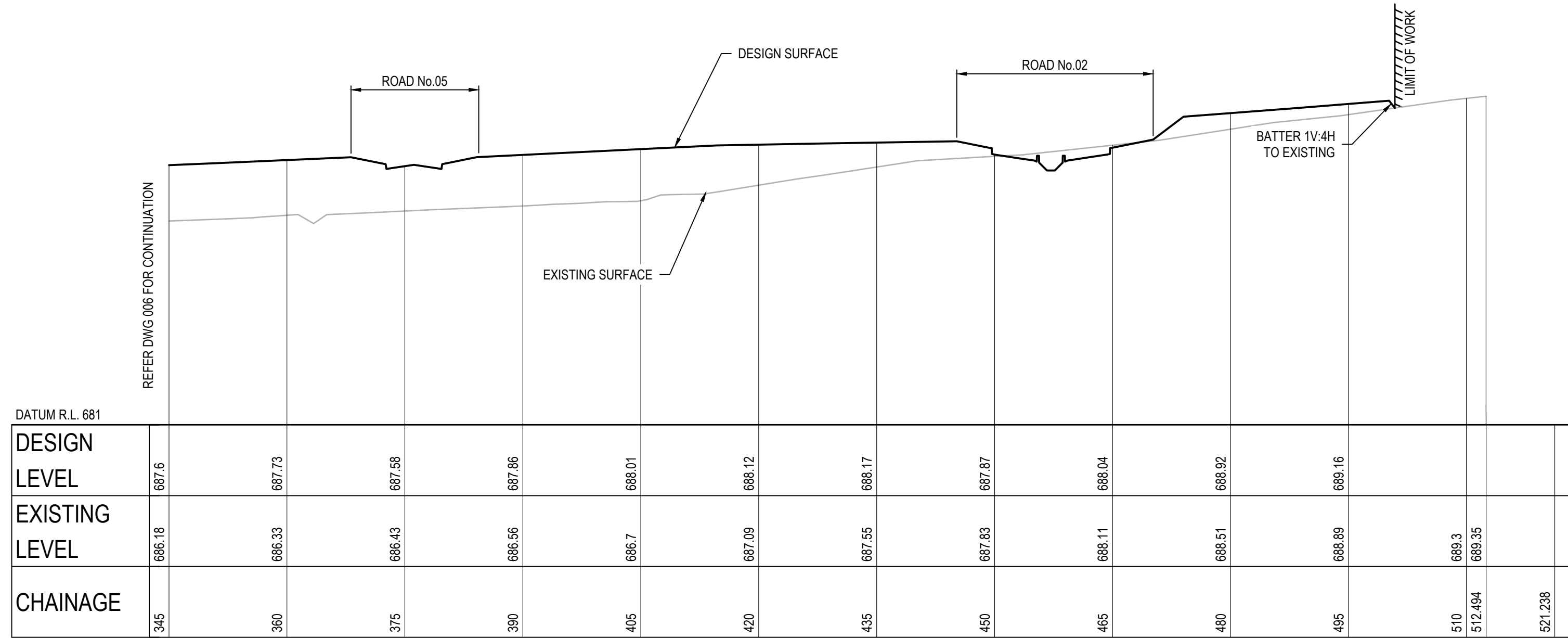
For: **Aoyuan** building a healthy lifestyle

By: **Orion Consulting**
 CONSULT AUSTRALIA Member Firm
 ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

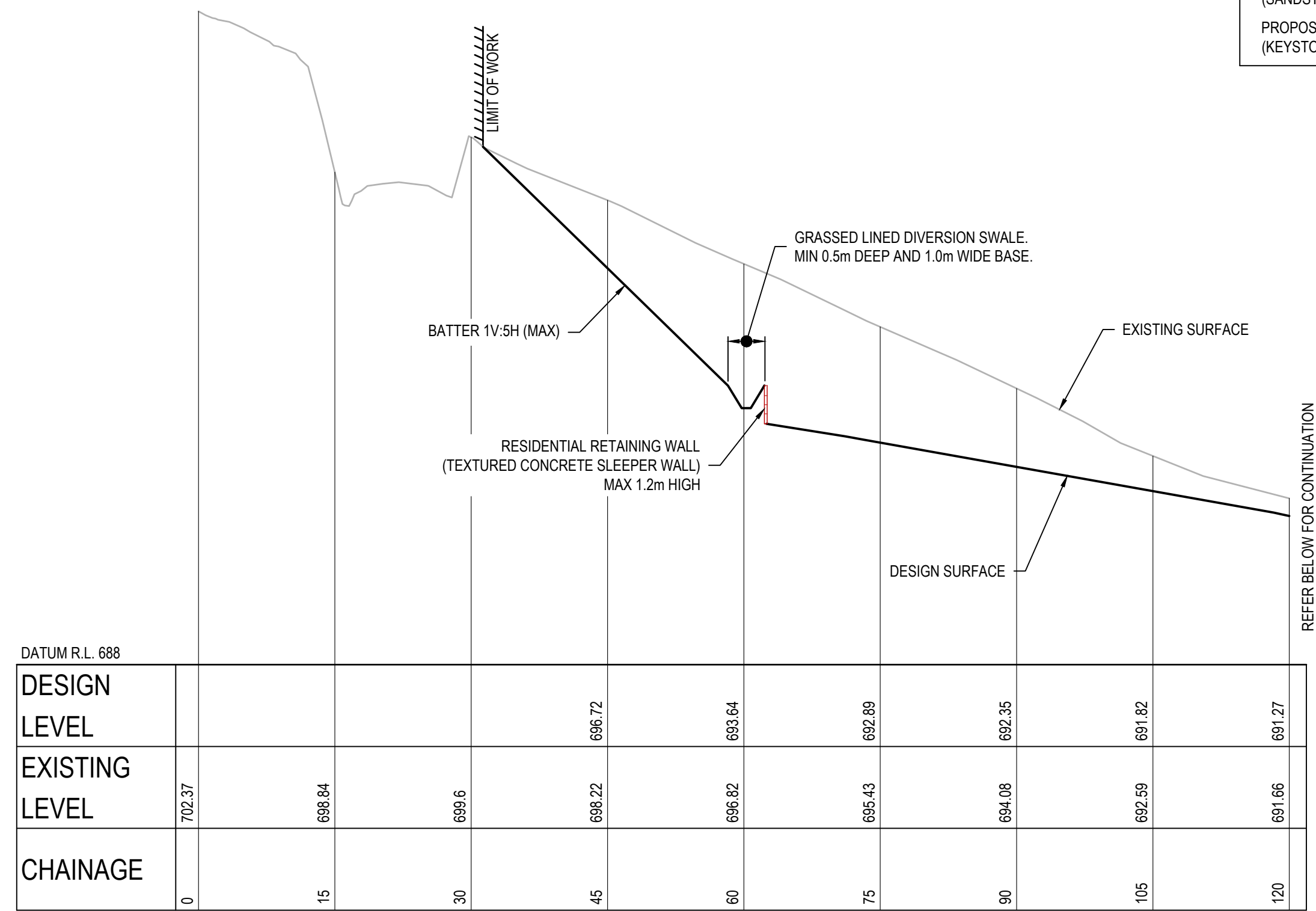
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	006	D

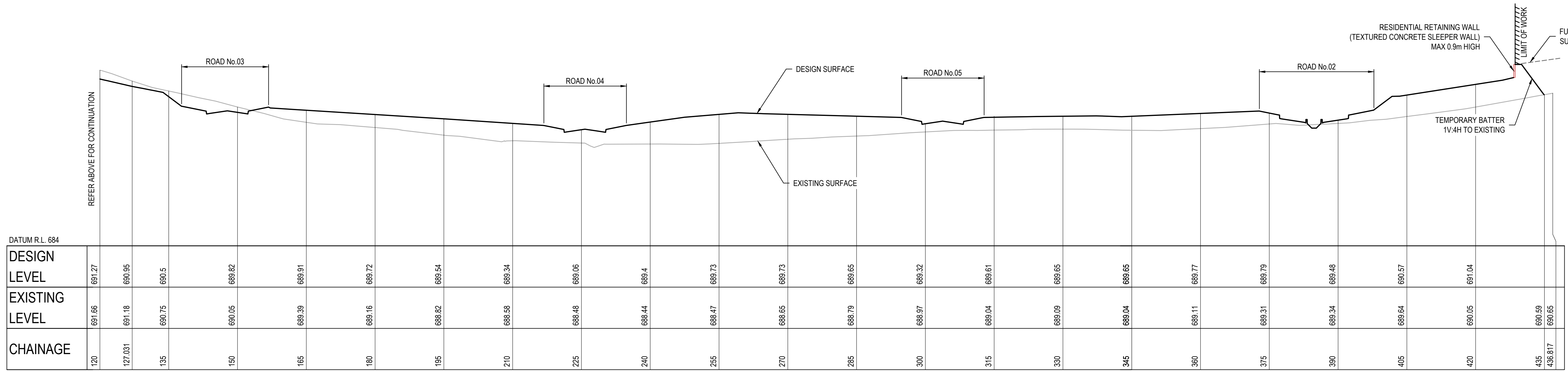
LEGEND	
PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)	
PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)	
PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)	



SITE SECTION D
SCALE: 1:500 (H)
SCALE: 1:100 (V)



SITE SECTION E
SCALE: 1:500 (H)
SCALE: 1:100 (V)



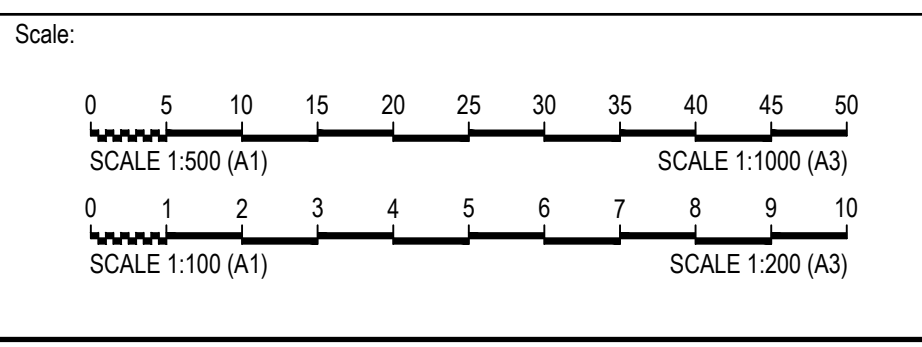
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Project: 1 October 2020 12:02:12 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan\Design\Residential Subdivision\DA\19-34 DA-07.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

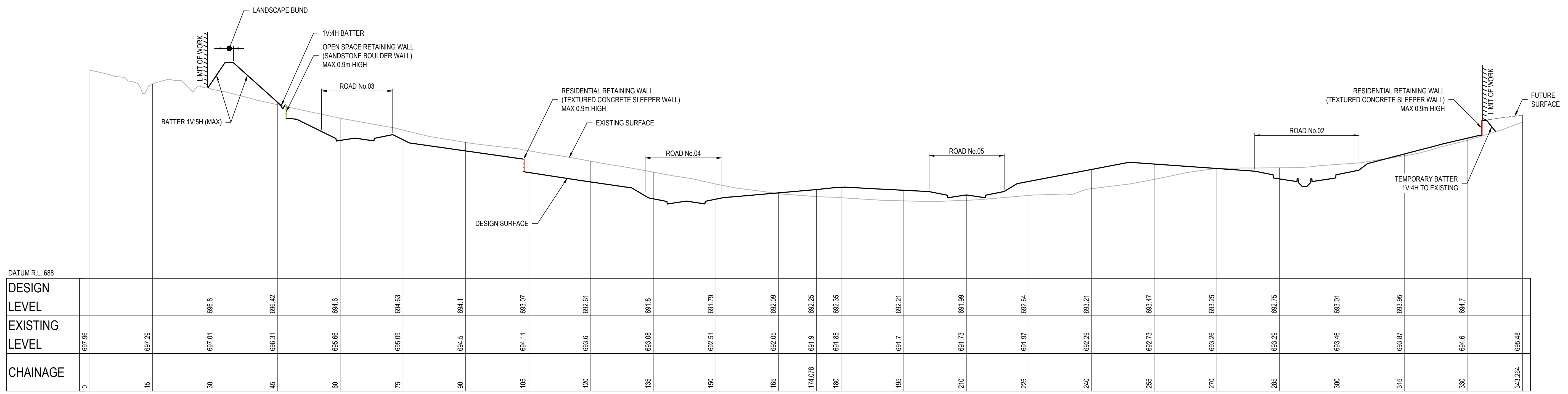
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Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: SITE SECTIONS SHEET 04 OF 05				
Project No. 19-34	Set No. 01	Milestone DA	Plan 007	Revision D

LEGEND	
PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)	
PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)	
PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)	

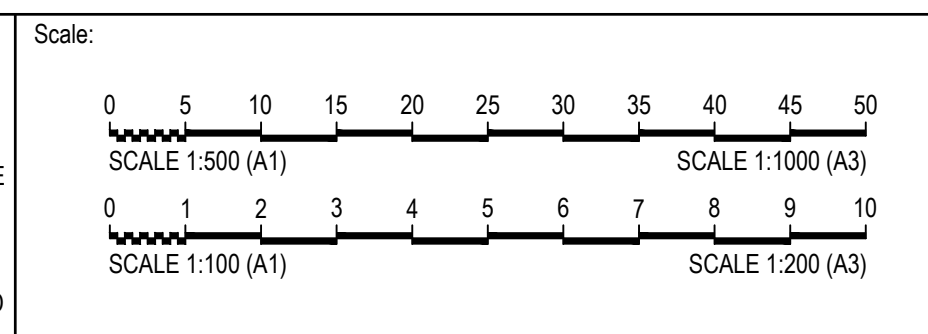


SITE SECTION F
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 SCALE: 1:100 (V)

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Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
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Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: SITE SECTIONS SHEET 05 OF 05				
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	008	D

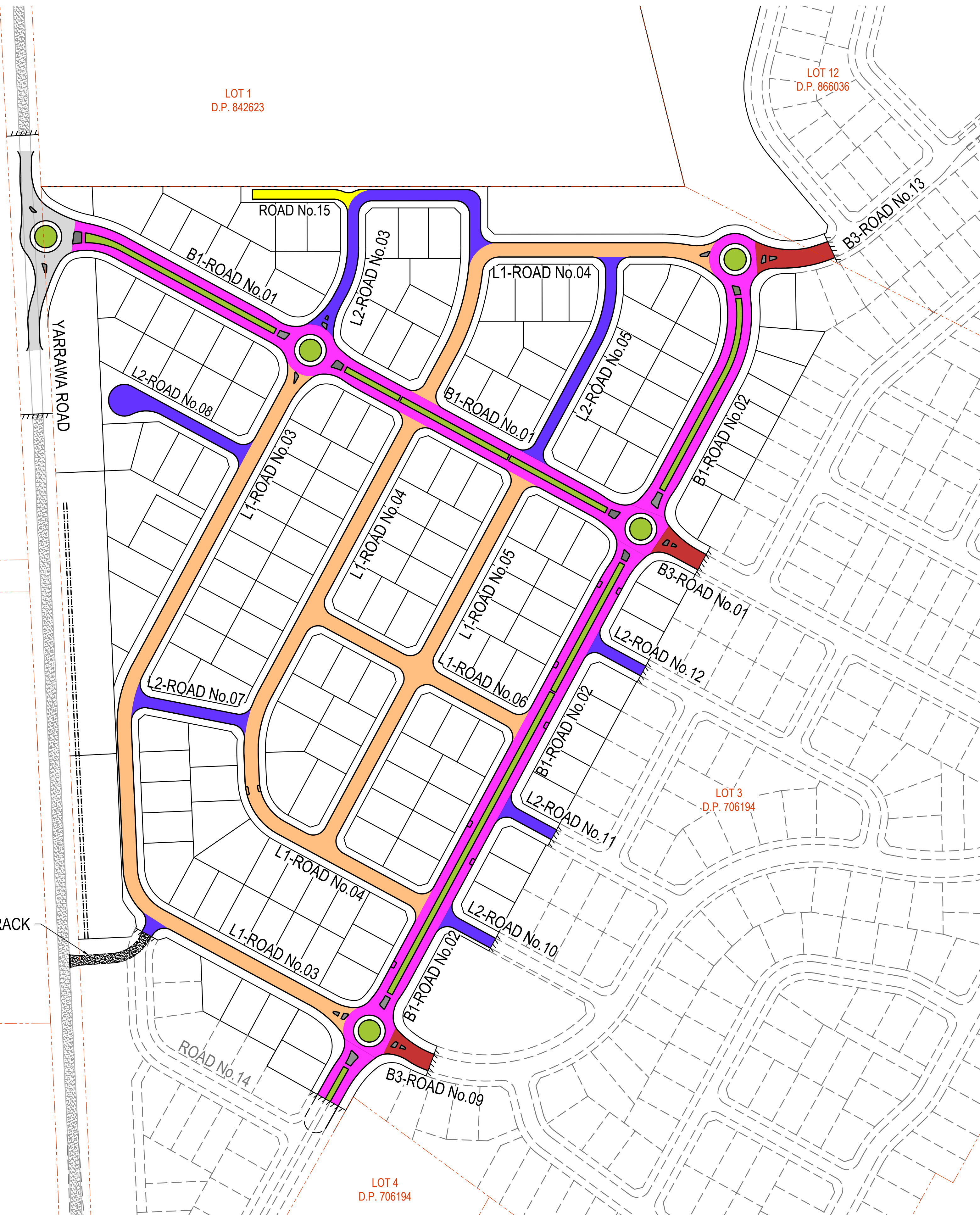


LEGEND	
ROAD CLASSIFICATION	
BOULEVARD 1	
BOULEVARD 3	
LOCAL 1	
LOCAL 2	
RIGHT OF WAY	
CONCRETE MEDIAN	
GRASSED MEDIAN	

ROAD HIERARCHY TABLE

ABBREVIATION	ROAD CLASSIFICATION	DETAIL TYPOLOGY	ROAD RESERVE	CARRIAGEWAY WIDTH	MEDIAN	STREET VERGE	VARIATION
B1	BOULEVARD 1	CENTRAL MEDIAN / VEGETATED DRAINAGE	24m - 25m	11m	3m	4.5m & 5.5m	4m MEDIAN WIDTH FOR DRAINAGE SWALE
B2	BOULEVARD 2	RIDGE ROAD	22m	11m	N/A	4.5m & 6.5m	
B3	BOULEVARD 3	TYPICAL / VILLAGE CENTRE	20m	11m	N/A	4.5m BOTH SIDES	3.5m & 5.5m
L1	LOCAL 1	PRIMARY ACCESS	18m	9m	N/A	4.5m BOTH SIDES	+1m TO ACCOMMODATE 2.5m SHARED PATH
L2	LOCAL 2	MINOR ACCESS AND CUL-DE-SACS	16m	7m	N/A	4.5m BOTH SIDES	+1m TO ACCOMMODATE 2.5m SHARED PATH
L3	LOCAL 3	SPECIAL ACCESS / STEEP	15m	7m	N/A	4.0m BOTH SIDES	

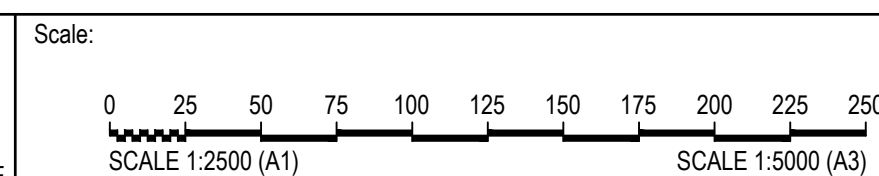
NOTE: VERGE MAY VARY IN OPEN SPACE SIDE WHEN SUITABLE



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Rev	Drawn	Design	Appd.	Date	Revision Description
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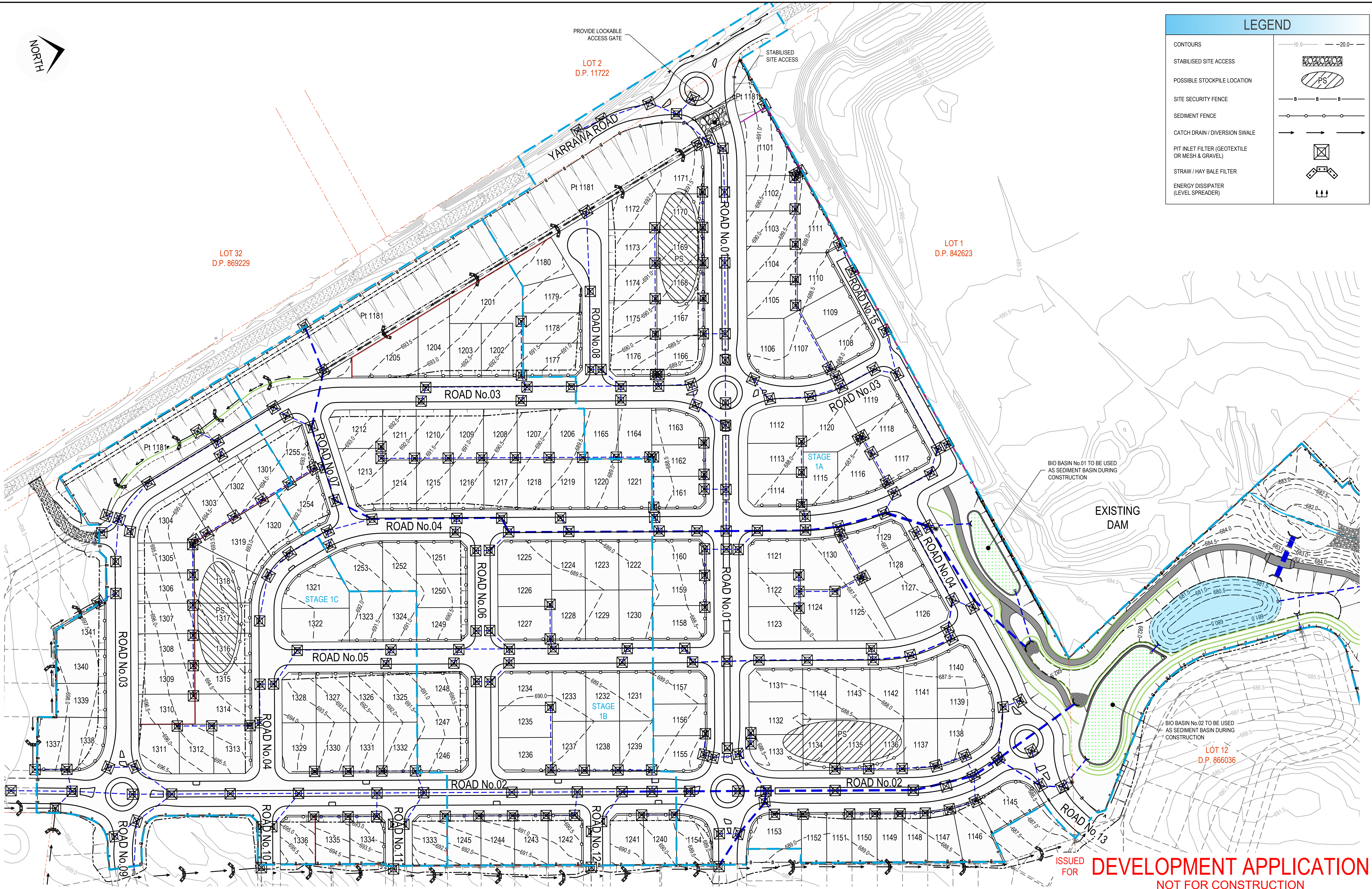
Project: **STAGE 1**
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: ROAD HIERARCHY PLAN				
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	009	D



LEGEND

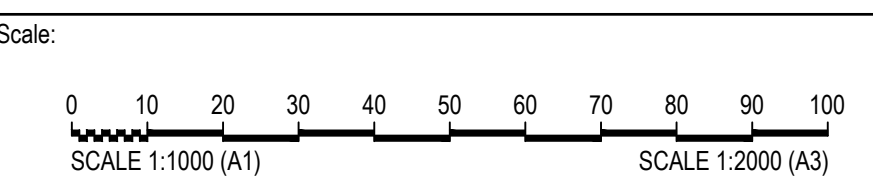
CONTOURS	
STABILISED SITE ACCESS	
POSSIBLE STOCKPILE LOCATION	
SITE SECURITY FENCE	
SEDIMENT FENCE	
CATCH DRAIN / DIVERSION SWALE	
PIT INLET FILTER (GEOTEXTILE OR MESH & GRAVEL)	
STRAW / HAY BALE FILTER	
ENERGY DISSIPATER (LEVEL SPREADER)	



ISSUED FOR DEVELOPMENT APPLICATION
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Rev	Drawn	Design	Appd.	Date	Revision Description
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For:

Aoyuan
building a healthy lifestyle

By:

Orion Consulting
 CONSULT AUSTRALIA Member Firm
 ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: **SOIL & WATER MANAGEMENT PLAN**

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	100	D

GENERAL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES, INCLUDING REVEGETATION AND STORAGE OF SOIL AND TOPSOIL, SHALL BE IMPLEMENTED TO THE REQUIREMENTS OF THE 'ENVIRONMENT PROTECTION AUTHORITY' AND 'DEPT OF LAND AND WATER CONSERVATION'. MEASURES OUTLINED IN THE SEDIMENT & EROSION CONTROL PLAN MUST BE IMPLEMENTED PRIOR TO AND MAINTAINED DURING AND AFTER THE CONSTRUCTION WORKS.
- TOPSOIL FROM ALL AREAS TO BE DISTURBED SHALL BE STOCKPILED AND LATER RESPREAD TO AID REVEGETATION IN THOSE AREAS.
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED AND STABILISED AS EARLY AS POSSIBLE DURING DEVELOPMENT.
- ALL TAIL-OUT DRAINS SHALL BE GRASSED AND TRAPEZOIDAL IN SECTION. STRAW BALES SHALL BE PLACED AS A SEDIMENT CONTROL DEVICE WHERE REQUIRED.
- VEHICULAR TRAFFIC SHALL BE CONTROLLED DURING DEVELOPMENT CONFINING ACCESS WHERE POSSIBLE TO PROPOSED OR EXISTING ROAD ALIGNMENTS. AREAS TO BE LEFT UNDISTURBED SHALL BE MARKED OFF.
- DISTURBANCE OF VEGETATION SHALL BE LIMITED TO FILL AREAS, ROADWAYS AND DRAINAGE LINES. NO LOT GRADING SHALL BE CARRIED OUT IN UNDISTURBED AREAS WITHOUT CONSULTATION WITH COUNCIL'S ENGINEER.
- ALL DISTURBED AREAS SHALL BE REVEGETATED WITHIN 14 WORKING DAYS FROM THE CONCLUSION OF LAND SHAPING.
- MINIMISE DUST BY WATERING WHEN REQUIRED.

STOCKPILE NOTES:

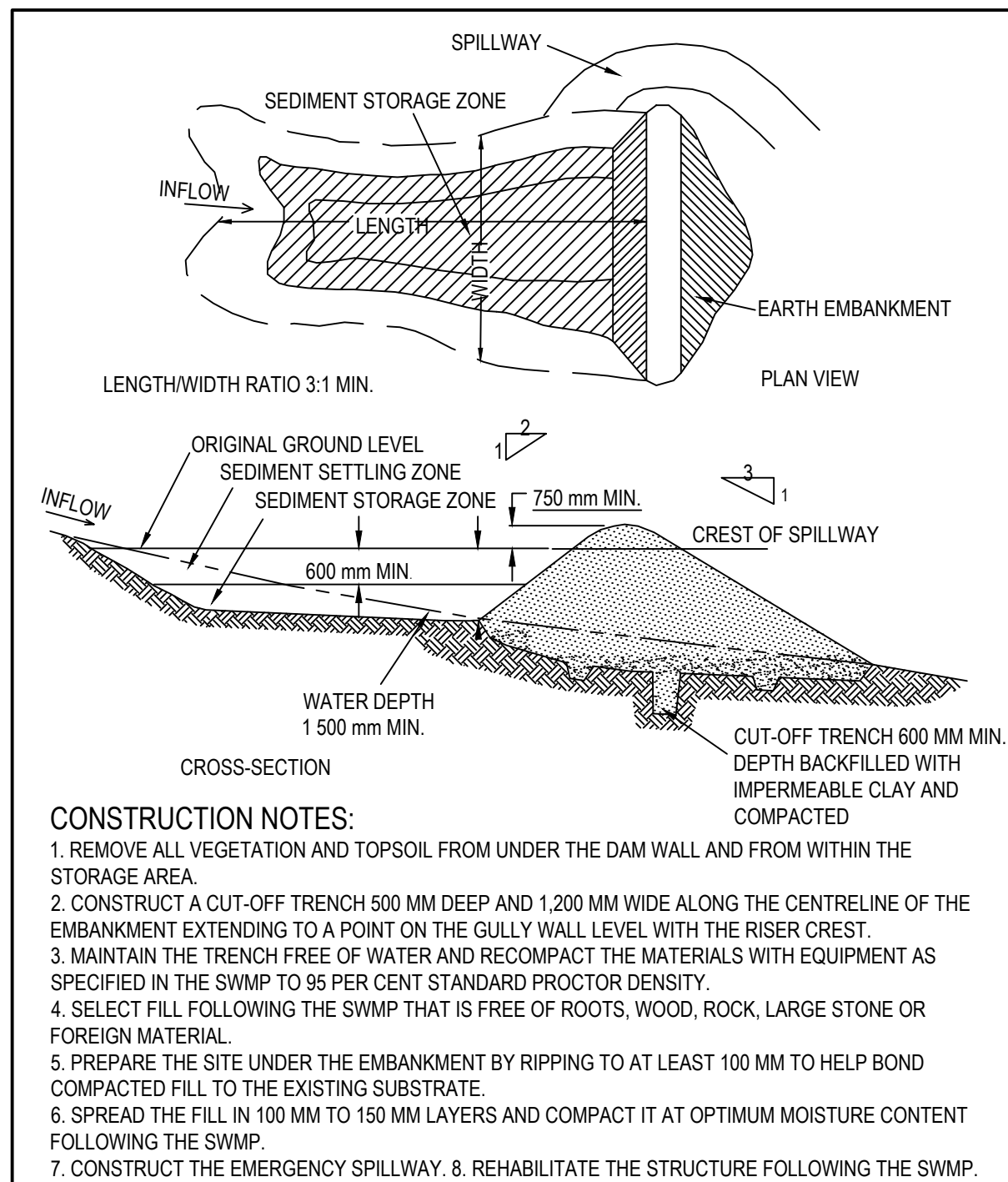
- SPOIL AND TOPSOIL STOCKPILES SHALL BE LOCATED AWAY FROM DRAINAGE LINES AND AREAS WHERE WATER MAY CONCENTRATE.
- IF STOCKPILES ARE TO BE IN PLACE FOR LONGER THAN 14 DAYS THEN THEY SHALL BE STABILISED BY COVERING WITH A MULCH OR WITH TEMPORARY VEGETATION.
- FOLLOWING CONSTRUCTION, TOPSOIL SHALL BE RESPREAD TO A MINIMUM DEPTH OF 100mm ON THE BARE SOIL SURFACES AND REVEGETATE.
- ALL STOCKPILES TO BE (MAX) 2m HIGH AND PROTECTED WITH SILT FENCE.

SPECIAL NOTES:

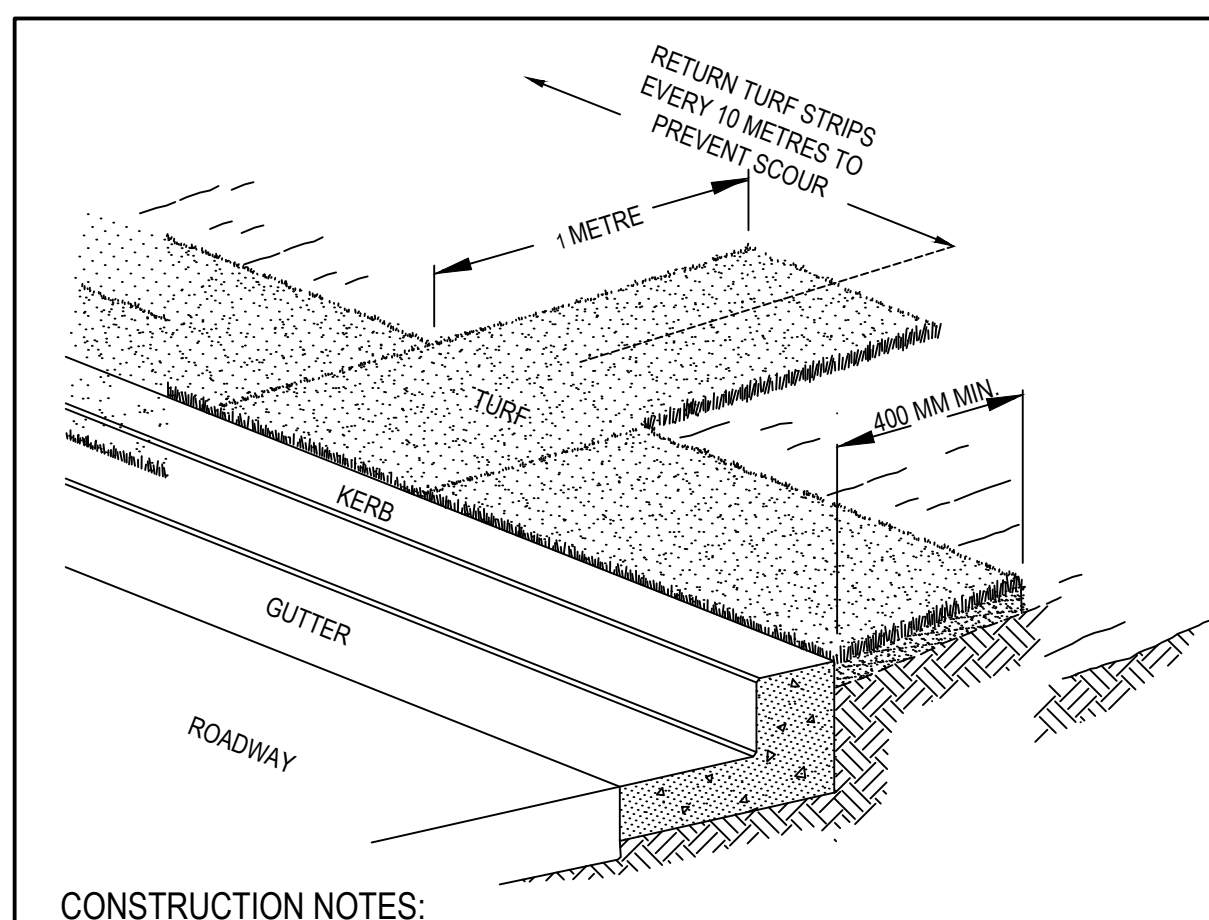
- LOCATION AND EXTENT OF SOIL AND WATER MANAGEMENT DEVICES IS DIAGRAMMATIC ONLY AND THE ACTUAL REQUIREMENTS SHALL BE CONFIRMED ON SITE.
- THIS PLAN IS TO BE READ IN CONJUNCTION WITH THE GUIDELINES SET OUT IN 'MANAGING URBAN STORMWATER SOILS AND CONSTRUCTION' 4TH EDITION AND THE ACCOMPANYING ROAD AND DRAINAGE PLANS.
- CONFORMITY WITH THIS PLAN SHALL IN NO WAY REDUCE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AGAINST WATER DAMAGE DURING THE COURSE OF THE CONTRACT.
- MANAGEMENT DEVICES SHALL BE MAINTAINED ON A REGULAR BASIS. WHERE CLEANING IS REQUIRED, THE SEDIMENT SHALL BE REMOVED TO A POINT NOMINATED BY THE ENGINEER.
- PRIOR TO THE COMMENCEMENT OF ANY EARTHWORKS, AND AFTER THE ROAD CENTRELINES HAVE BEEN PEGGED AND/OR PERMANENTLY MARKED, THE SITE MUST BE INSPECTED BY COUNCIL'S REPRESENTATIVE AND THE APPLICANT'S REPRESENTATIVE TO IDENTIFY AND APPROPRIATELY MARK:
 - THE TREES TO BE RETAINED.
 - ALL TREES TO BE LEFT UNDISTURBED AND TO BE CORDONED OFF.
- NO TREES SHALL BE REMOVED WITHOUT COUNCIL'S CLEARANCE.
- MANAGEMENT DEVICES TO REMAIN UNTIL THE END OF THE MAINTENANCE PERIOD.

SEDIMENTATION CONTROL DEVICES:

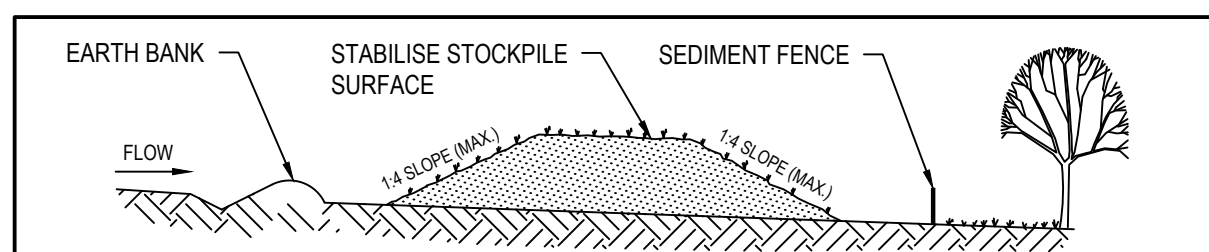
- ALL STRAW BALES SHALL BE BOUND WITH WIRE. STRAW BALES SHALL BE PLACED END TO END IN A SINGLE ROW AND EMBEDDED INTO THE SOIL TO A DEPTH OF 100mm. EACH BALE SHALL BE SECURELY ANCHORED WITH TWO STEEL STAKES DRIVEN 450mm INTO THE GROUND AND LOCATED ON THE BALE CENTRE LINE.
- SILT FENCES SHALL BE CONSTRUCTED BY STRETCHING A FILTER FABRIC (PROPEX OR SIMILAR) BETWEEN POSTS AT 2m (3m MAX) CENTRES. FABRIC SHALL BE BURIED 150mm ALONG ITS LOWER EDGE.



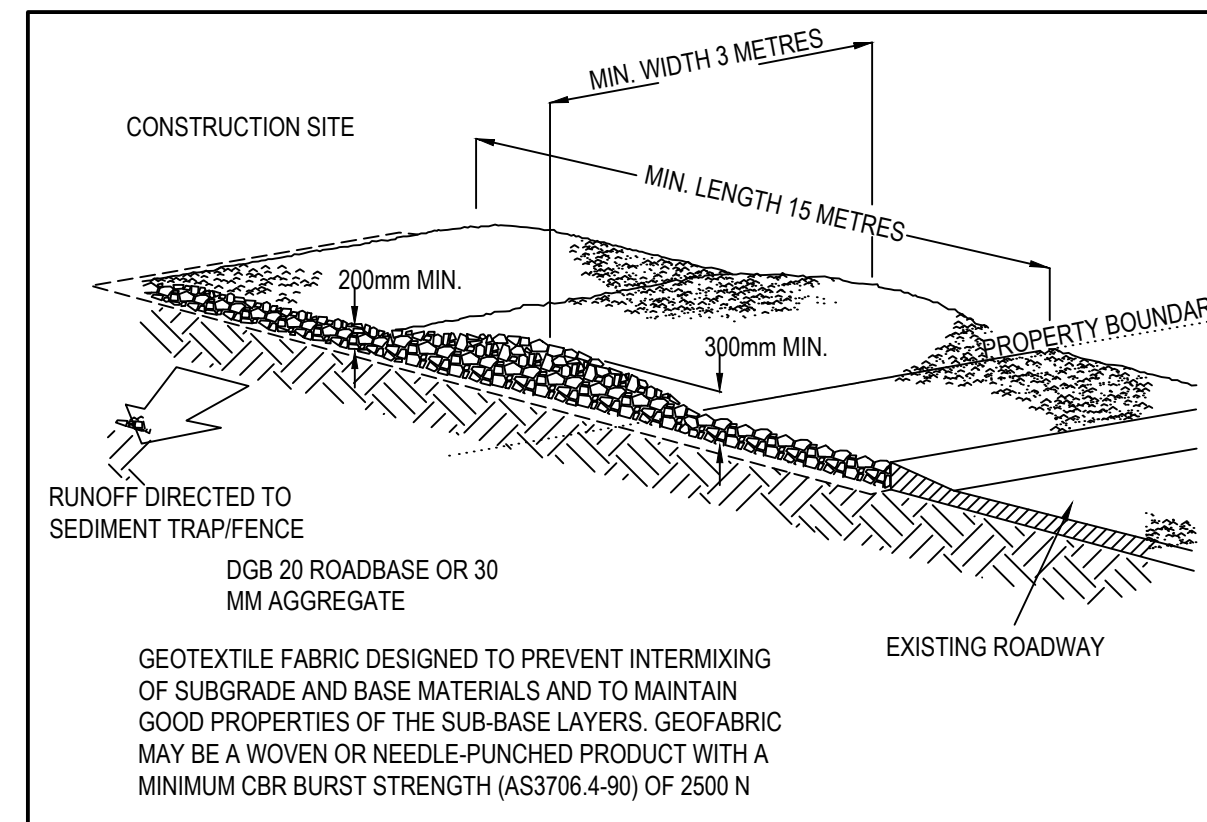
EARTH BASIN - WET
(APPLIES TO 'TYPE D' AND 'TYPE F' SOILS ONLY) SD 6-4



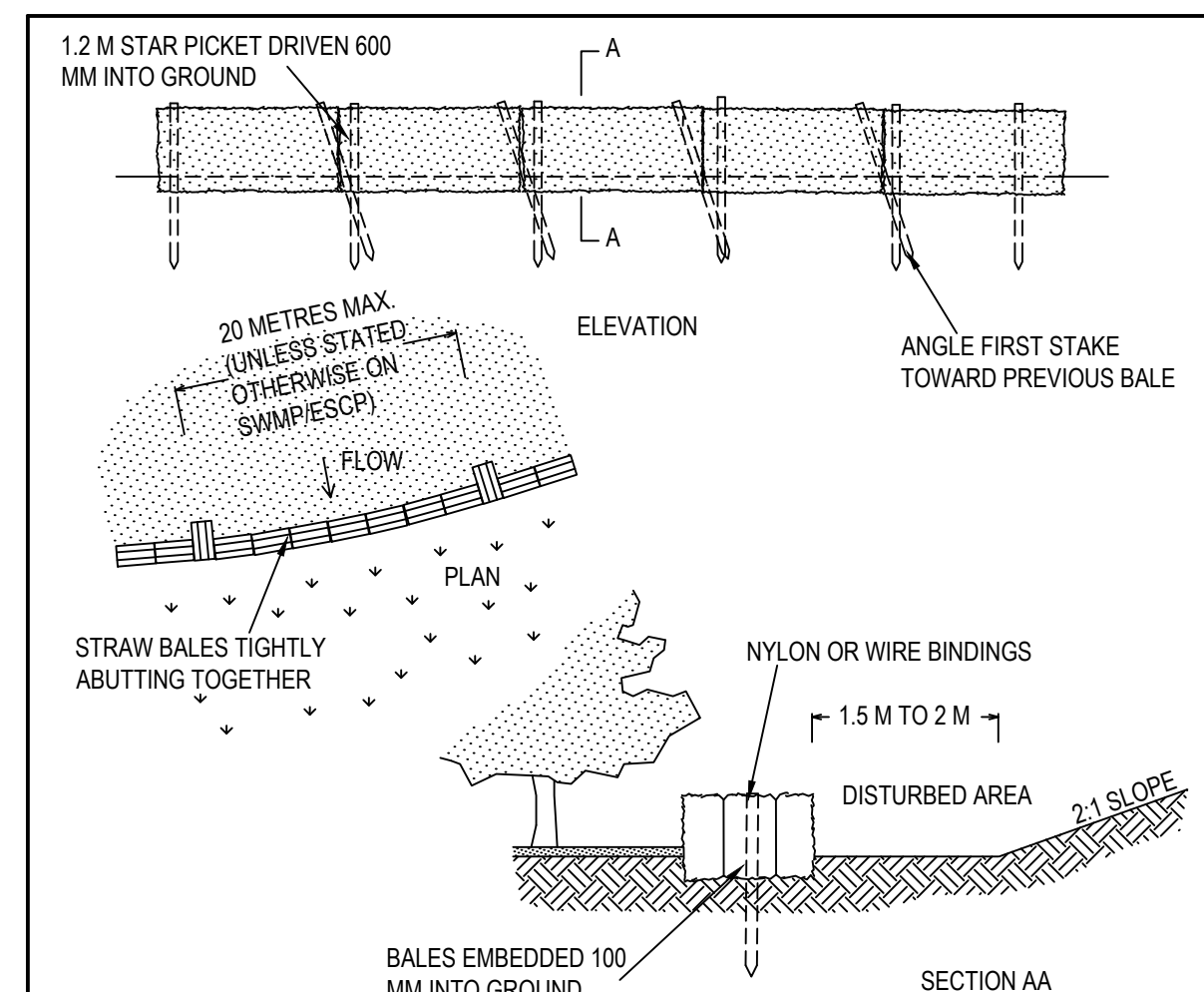
KERBSIDE TURF STRIP SD 6-13



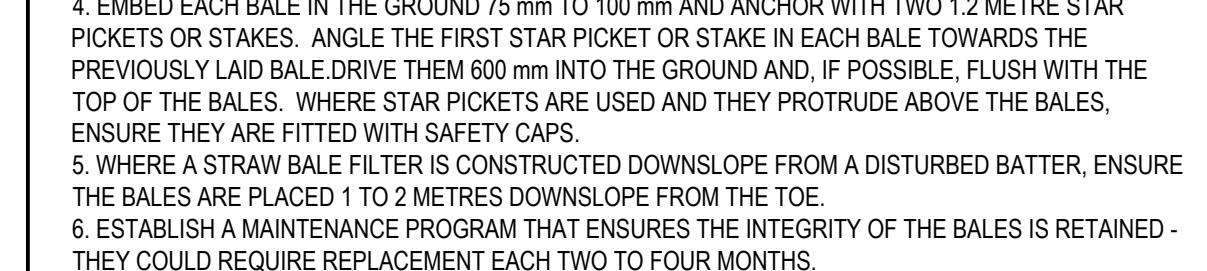
STOCKPILES SD 4-1



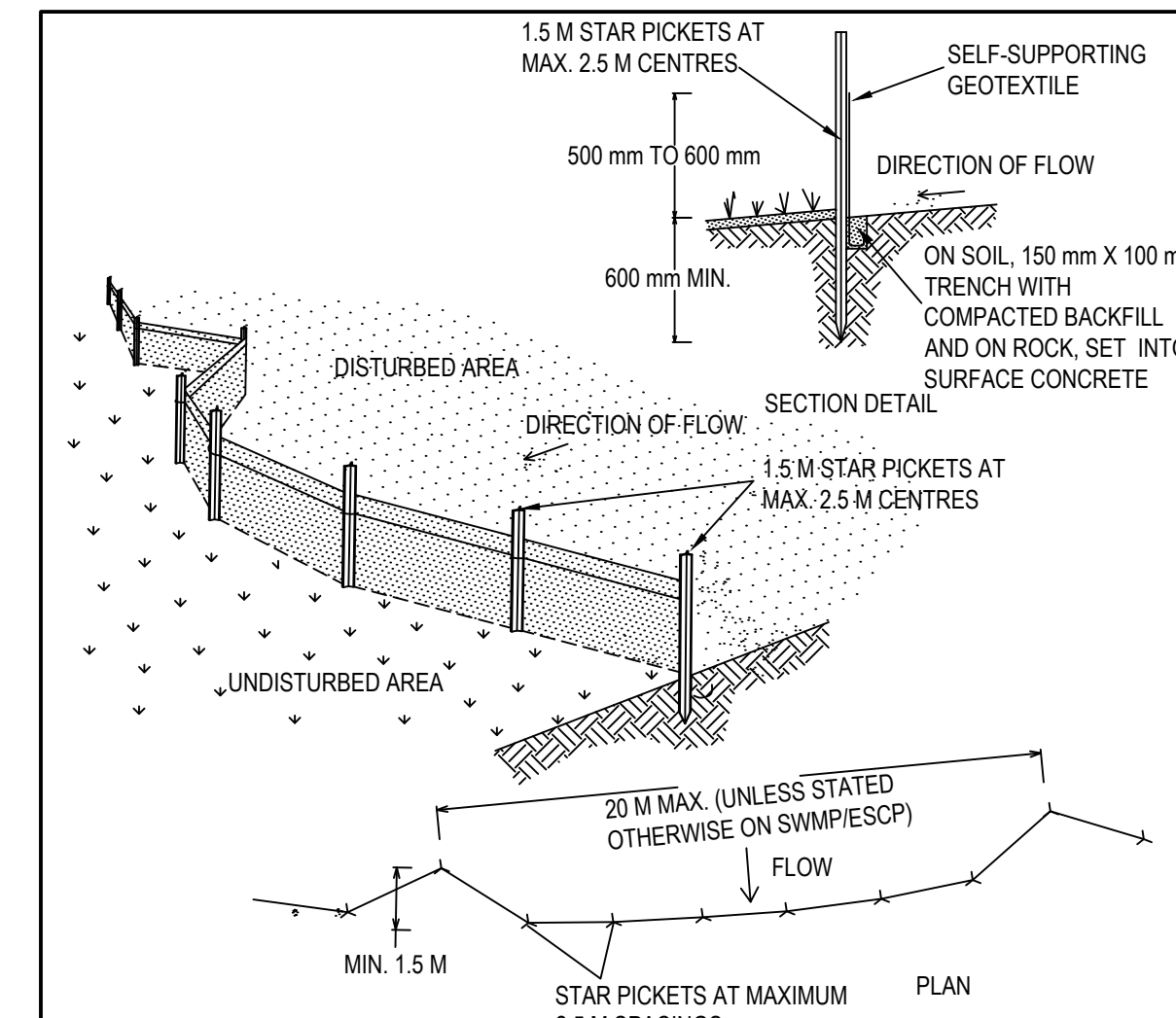
STABILISED SITE ACCESS SD 6-14



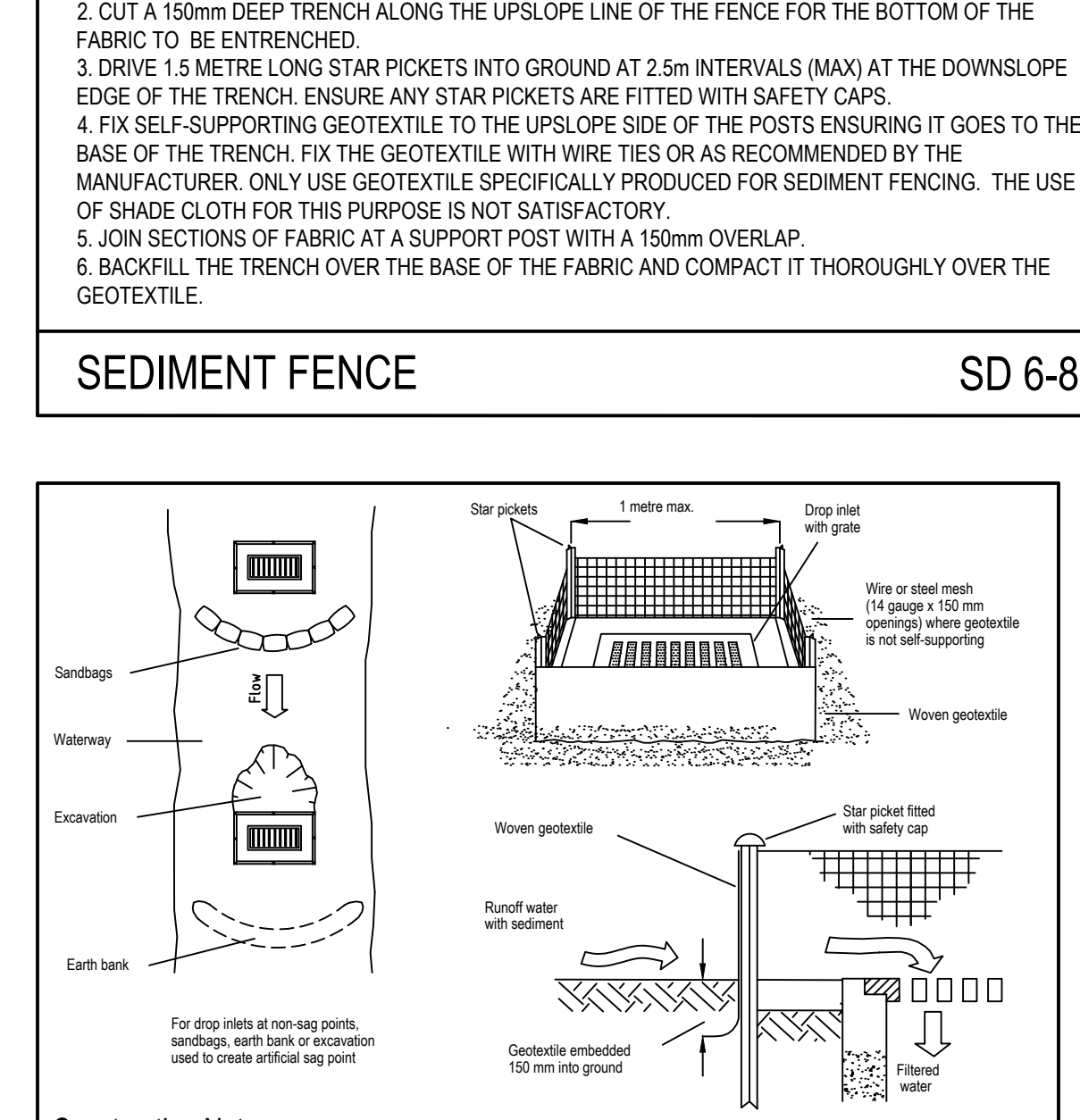
STRAW BALE FILTER SD 6-7



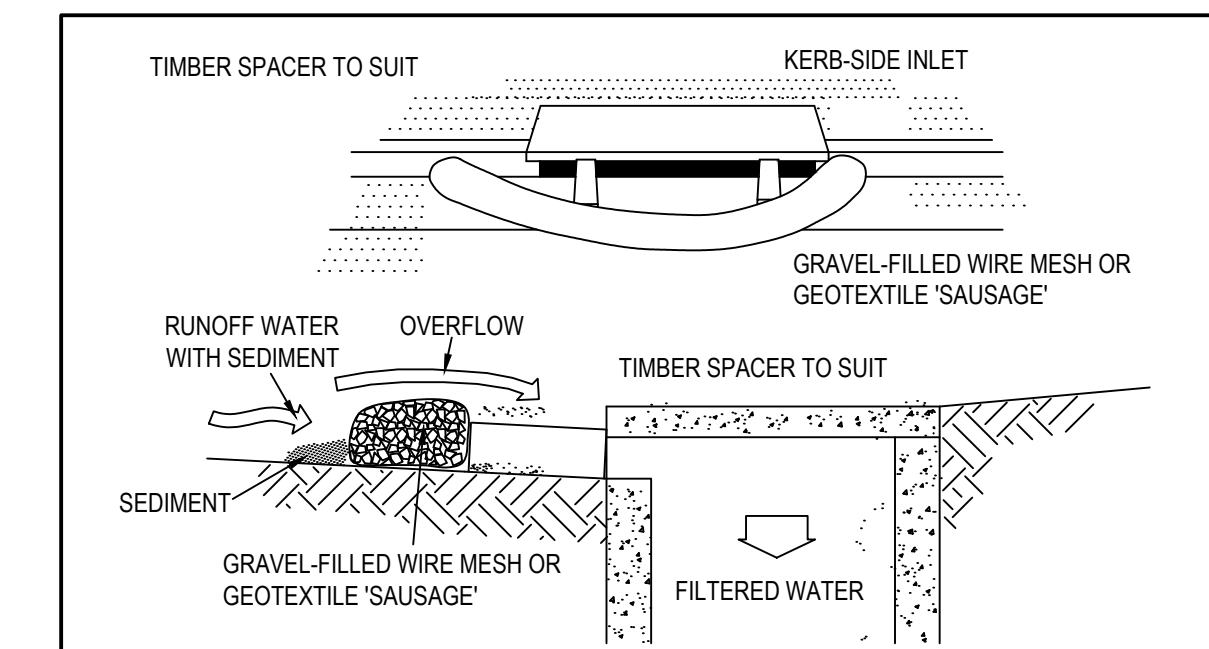
EARTH BANK (LOW FLOW) SD 5-5



SEDIMENT FENCE SD 6-8



GEOTEXTILE INLET FILTER SD 6-12



MESH AND GRAVEL INLET FILTER SD 6-11

1. Erosion Hazard and Sediment Basins

Site Name: 141 Yarrowa Road, Moss Vale		
Site Location:		
Precinct/Stage: Wingecarribee		
Other Details:		

Site area	Sub-catchment or Name of Structure		Notes
CAT 1	CAT 2		
Total catchment area (ha)	26.52	33.92	
Disturbed catchment area (ha)	14.29	5.29	

Soil analysis (enter sediment type if known, or laboratory particle size data)	Soil Type (C, F or D) if known		From Appendix C (if known)
	D	D	
% sand (fraction 0.02 to 2.00 mm)			Enter the percentage of each soil fraction. E.g. enter 10 for 10%
% silt (fraction 0.002 to 0.02 mm)			
% clay (fraction finer than 0.002 mm)			E.g. enter 10 for dispersion of 10%
Dispersion percentage			See Section 6.3.3(e). Auto-calculated
% of whole soil dispersible			Automatic calculation from above

Rainfall data				
Design rainfall depth (no of days)	5	5		See Section 6.3.4 and, particularly, Table 6.3 on pages 6-24 and 6-25.
Design rainfall depth (percentile)	75	75		
x-day, y-percentile rainfall event (mm)	16.5	16.5		
Rainfall R-factor (if known)				Only need to enter one or the other here
IFD: 2-year, 6-hour storm (if known)	11.3	11.3		

RUSLE Factors				
Rainfall erosivity (R-factor)	2760	2760		Auto-filled from above
Soil erodibility (K-factor)	0.041	0.041		
Slope length (m)	100	100		
Slope gradient (%)	5	5		RUSLE LS factor calculated for a high till/interrill ratio.
Length/gradient (LS-factor)	1.35	1.35		
Erosion control practice (P-factor)	1.3	1.3	1.3	1.3
Ground cover (C-factor)	1	1	1	1

Sediment Basin Design Criteria (for Type D/F basins only. Leave blank for Type C basins)				
Storage (soil) zone design (no of months)	2	2	2	2
Cv (Volumetric runoff coefficient)	0.5	0.5		See Table F2, page F-4 in Appendix F

Calculations and Type D/F Sediment Basin Volumes				
Soil loss (t/ha/yr)	198	198		
Soil Loss Class	2	2		See Table 4.2, page 4-13
Soil loss (m ³ /ha/yr)	153	153		Conversion to cubic metres
Sediment basin storage (soil) volume (m ³)	364	135		See Sections 6.3.4(i) for calculations
Sediment basin setting (water) volume (m ³)	2168	2799		See Sections 6.3.4(j) for calculations
Sediment basin total volume (m ³)	2532	2934		

NB for sizing of Type C (coarse) sediment basins, see Worksheet 3 (if required).

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For: **Aoyuan**
building a healthy lifestyle

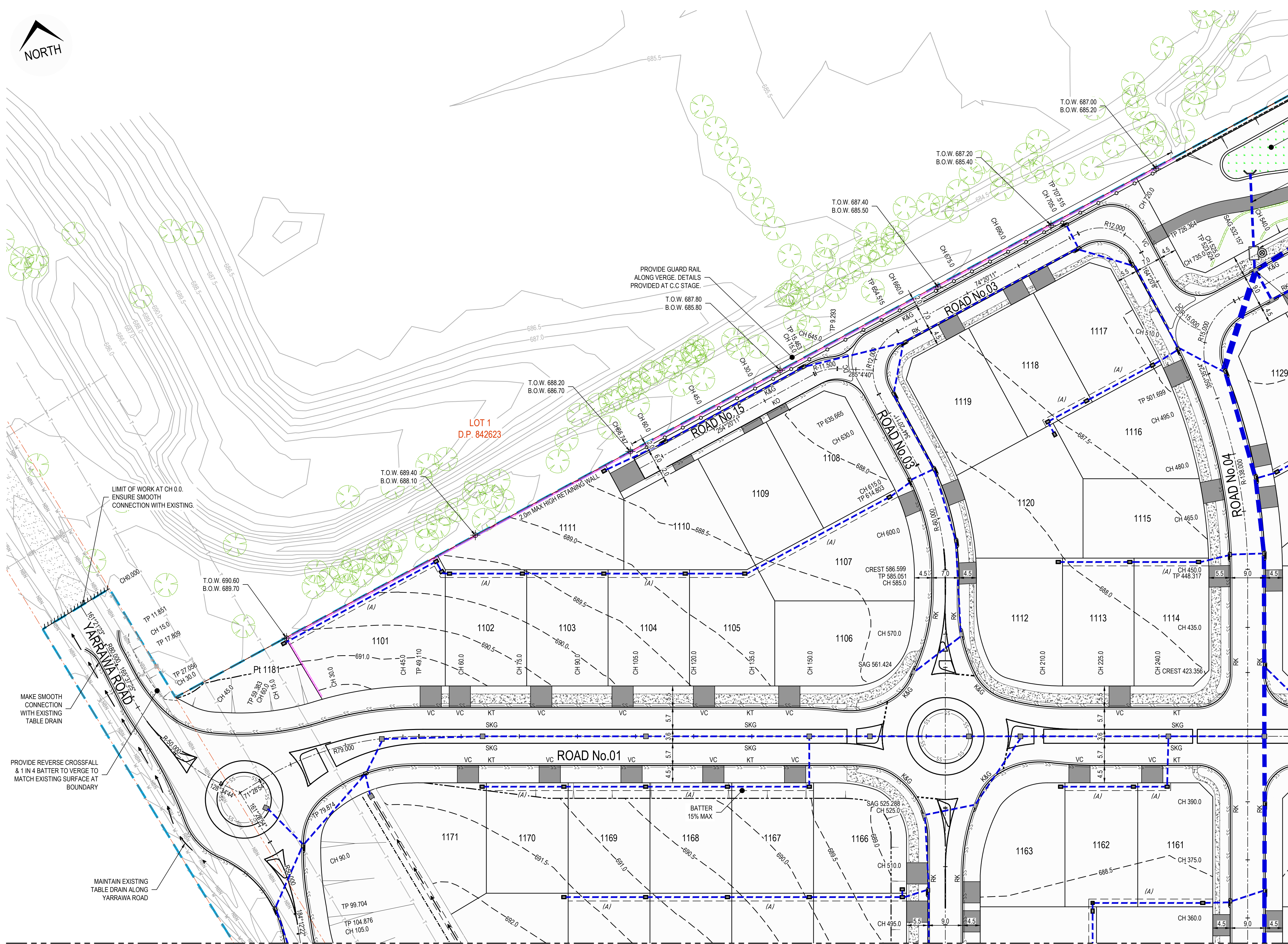
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Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: SOIL & WATER MANAGEMENT PLAN NOTES & DETAILS				
Project No:	Set No:	Milestone:	Plan:	Revision:
19-34	01	DA	101	D



LEGEND	
<p>DENOTES DRAINAGE EASEMENT TO COUNCIL'S MINIMUM WIDTH (2.0m) SUBJECT TO DETAILED DESIGN</p> <p>DENOTES DRIVEWAY (PART OF THIS APPLICATION)</p> <p>DENOTES DRIVEWAY WITH VEHICULAR CROSSING (PART OF THIS APPLICATION)</p> <p>DENOTES INDICATIVE FUTURE DRIVEWAY LOCATION (NOT PART OF THIS APPLICATION)</p>	<p>(A)</p> <p></p> <p></p> <p></p> <p></p>
<p>PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)</p> <p>PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)</p> <p>PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)</p> <p>TEMPORARY ROAD BARRIER TO BE REMOVED AT FUTURE STAGE</p>	<p></p> <p></p> <p></p> <p></p>
<p>BIO BASIN No.01</p> <p>LOW FLOW PIPE</p> <p>GPT</p> <p>SPLITTER PIT</p>	<p></p> <p></p> <p></p> <p></p>



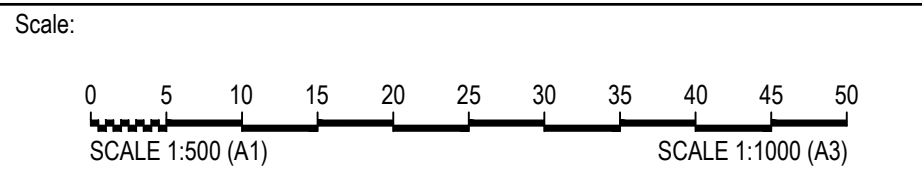
REFER TO DRAWING 204 FOR CONTINUATION

REFER TO DRAWING 201 FOR CONTINUATION

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Rev	Drawn	Design	Appd.	Date	Revision Description
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For: **Aoyuan** *building a healthy lifestyle*

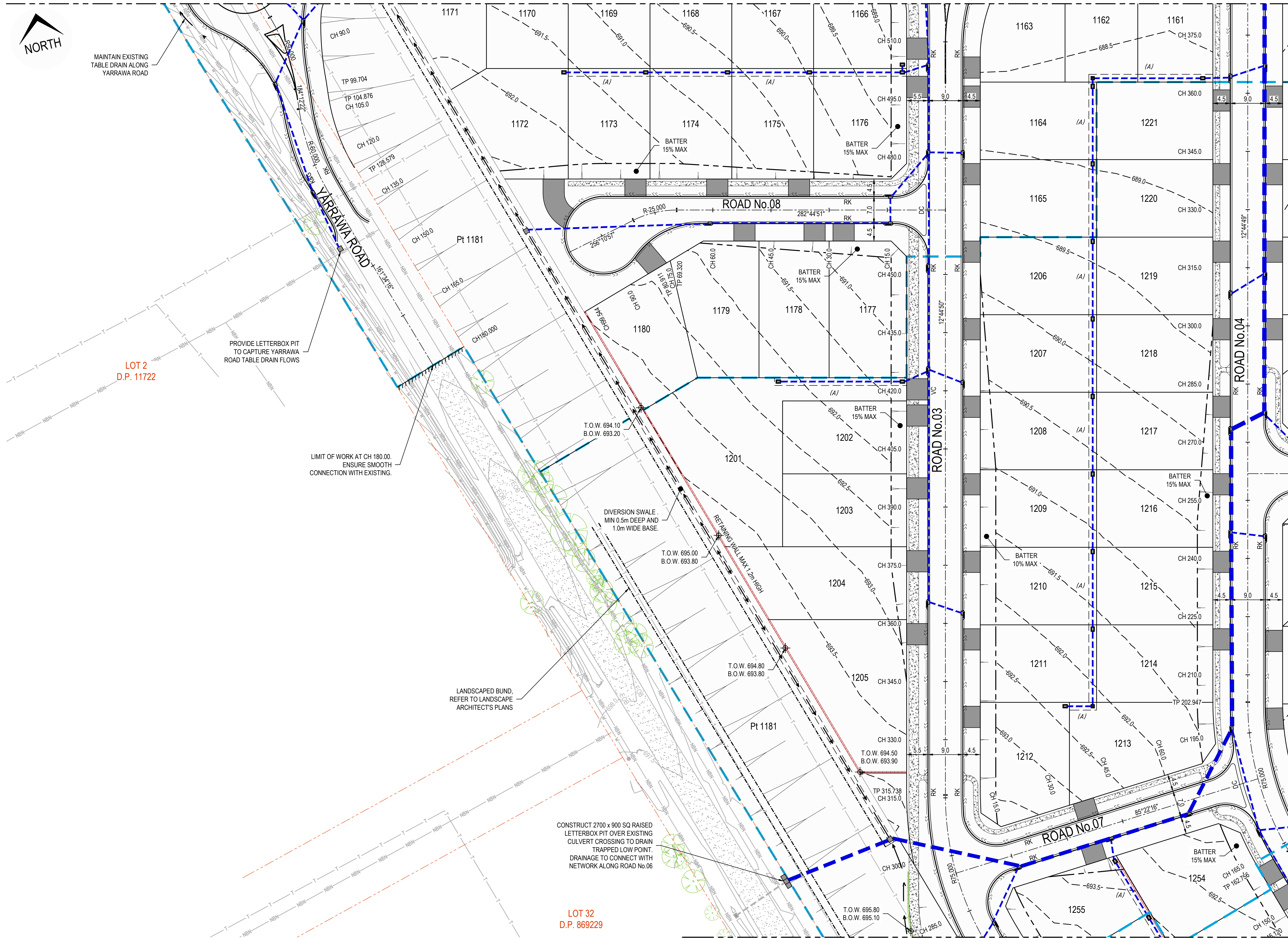
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Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: ENGINEERING PLAN SHEET 01 OF 07				
Project No. 19-34	Set No. 01	Milestone DA	Plan 200	Revision D

REFER TO DRAWING 200 FOR CONTINUATION



LEGEND	
DENOTES DRAINAGE EASEMENT TO COUNCIL'S MINIMUM WIDTH (2.0m) SUBJECT TO DETAILED DESIGN	(A)
PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)	
PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)	
PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)	
TEMPORARY ROAD BARRIER TO BE REMOVED AT FUTURE STAGE	
DENOTES DRIVEWAY (PART OF THIS APPLICATION)	
DENOTES DRIVEWAY WITH VEHICULAR CROSSING (PART OF THIS APPLICATION)	
DENOTES INDICATIVE FUTURE DRIVEWAY LOCATION (NOT PART OF THIS APPLICATION)	

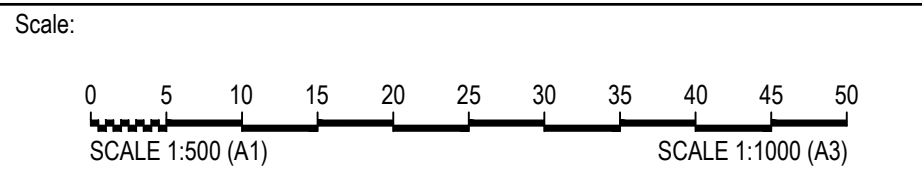
REFER TO DRAWING 203 FOR CONTINUATION

REFER TO DRAWING 202 FOR CONTINUATION

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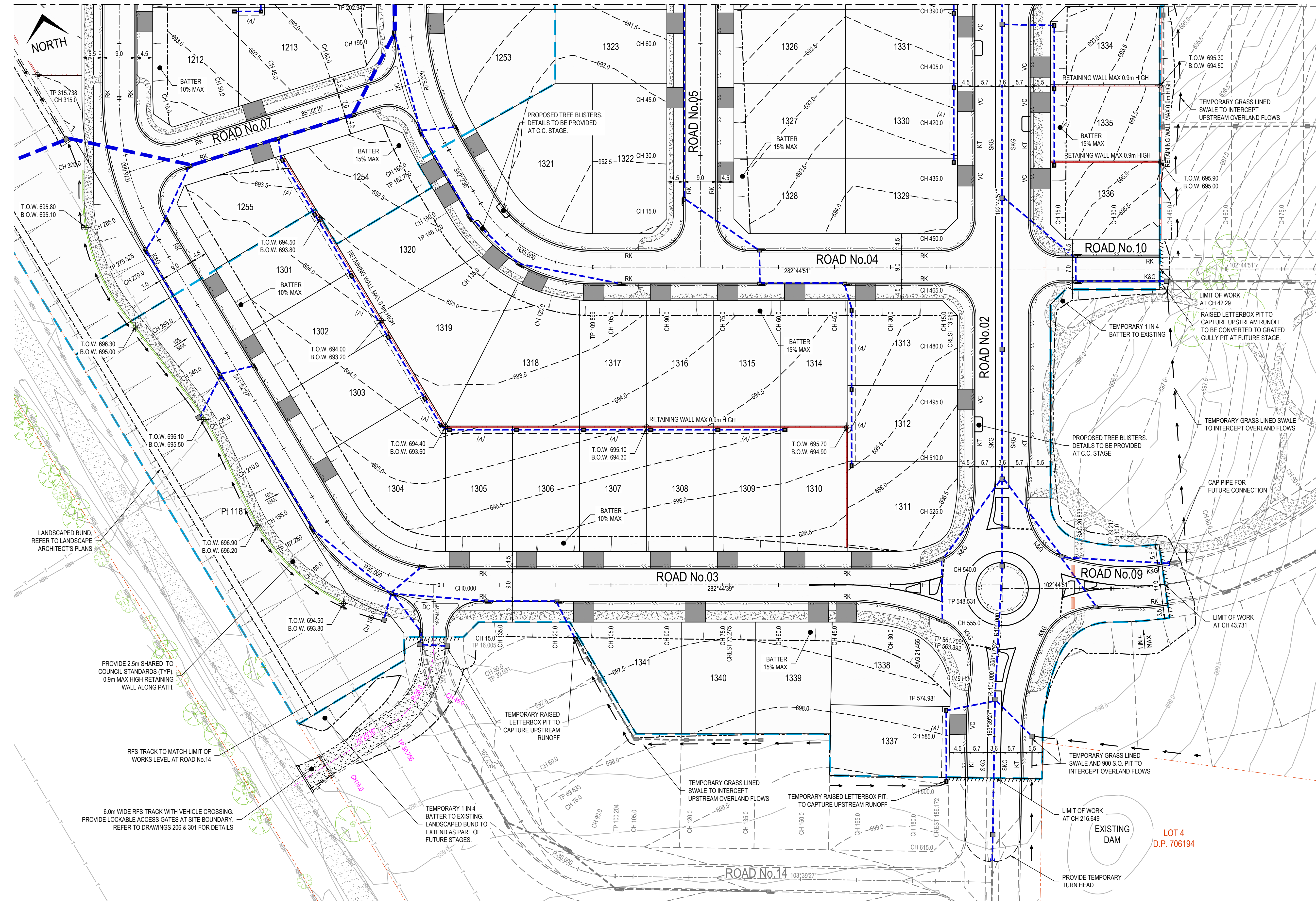
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Project: **STAGE 1**
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: ENGINEERING PLAN SHEET 02 OF 07				
Project No. 19-34	Set No. 01	Milestone DA	Plan 201	Revision D

Project: 1 October 2020 12:33:23 PM File Name: C:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan\Design\19-34 DA-201.dwg

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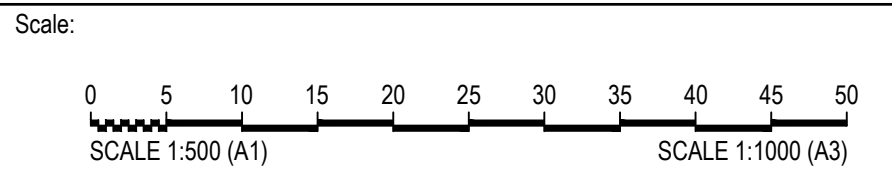


LEGEND

- DENOTES DRAINAGE EASEMENT TO COUNCIL'S MINIMUM WIDTH (2.0m) SUBJECT TO DETAILED DESIGN (A)
- PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)
- PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)
- PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)
- TEMPORARY ROAD BARRIER TO BE REMOVED AT FUTURE STAGE
- DENOTES DRIVEWAY (PART OF THIS APPLICATION)
- DENOTES DRIVEWAY WITH VEHICULAR CROSSING (PART OF THIS APPLICATION)
- DENOTES INDICATIVE FUTURE DRIVEWAY LOCATION (NOT PART OF THIS APPLICATION)

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM		30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM		09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM		06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan**

building a healthy lifestyle

By: **Orion Consulting**

Member Firm

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

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	202	D

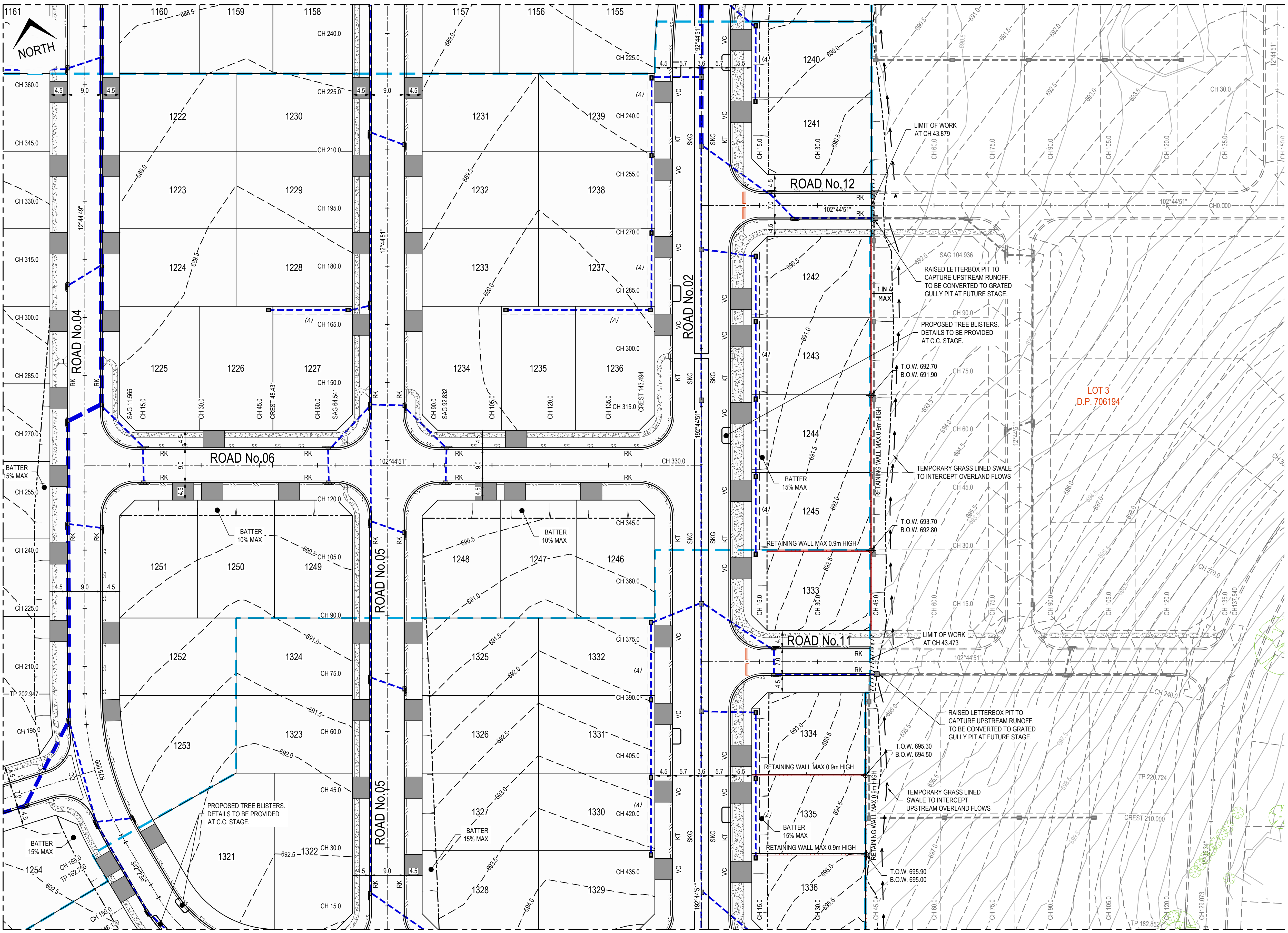
ISSUED FOR DEVELOPMENT APPLICATION
 NOT FOR CONSTRUCTION

Project: 1 October 2020 12:33:39 PM File Name: C:\Projects\20191031_Moss Vale Stage 1 DA & BE Masterplan Design\Residential Subdivision\DA19-34-DA-202.dwg

REFER TO DRAWING 204 FOR CONTINUATION

LEGEND	
DENOTES DRAINAGE EASEMENT TO COUNCIL'S MINIMUM WIDTH (2.0m) SUBJECT TO DETAILED DESIGN	(A)
PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)	
PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)	
PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)	
TEMPORARY ROAD BARRIER TO BE REMOVED AT FUTURE STAGE	
DENOTES DRIVEWAY (PART OF THIS APPLICATION)	
DENOTES DRIVEWAY WITH VEHICULAR CROSSING (PART OF THIS APPLICATION)	
DENOTES INDICATIVE FUTURE DRIVEWAY LOCATION (NOT PART OF THIS APPLICATION)	

REFER TO DRAWING 201 FOR CONTINUATION



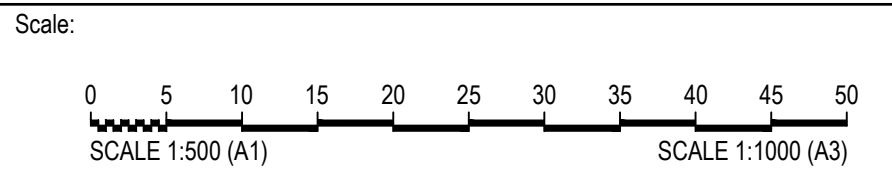
LOT 3
D.P. 706194

REFER TO DRAWING 202 FOR CONTINUATION

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM		30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM		09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM		06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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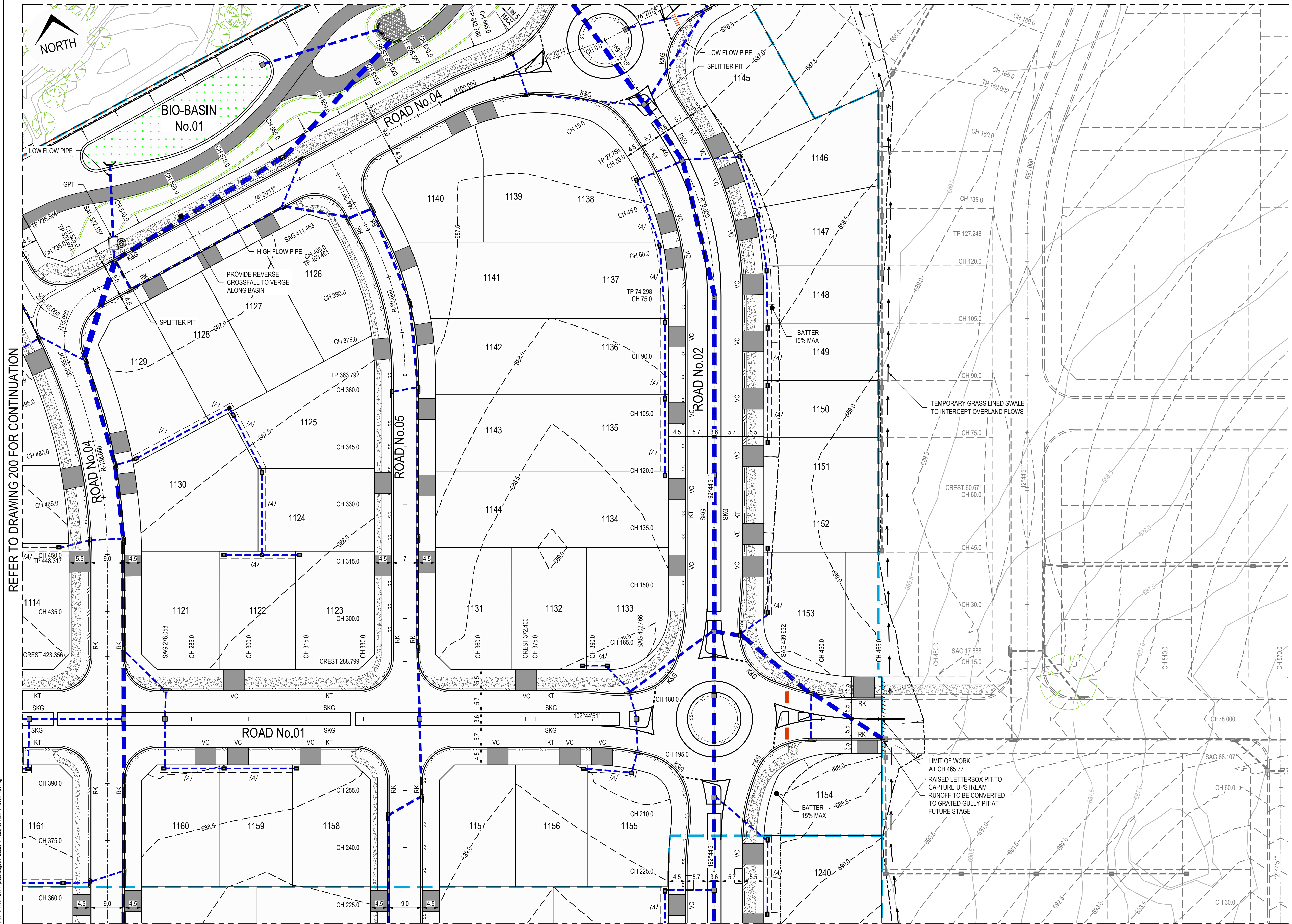


By: **Orion Consulting**
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Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: ENGINEERING PLAN SHEET 04 OF 07				
Project No. 19-34	Set No. 01	Milestone DA	Plan 203	Revision D

REFER TO DRAWING 205 FOR CONTINUATION



LEGEND	
DENOTES DRAINAGE EASEMENT TO COUNCIL'S MINIMUM WIDTH (2.0m) SUBJECT TO DETAILED DESIGN	(A)
PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)	
PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)	
PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)	
TEMPORARY ROAD BARRIER TO BE REMOVED AT FUTURE STAGE	
DENOTES DRIVEWAY (PART OF THIS APPLICATION)	
DENOTES DRIVEWAY WITH VEHICULAR CROSSING (PART OF THIS APPLICATION)	
DENOTES INDICATIVE FUTURE DRIVEWAY LOCATION (NOT PART OF THIS APPLICATION)	

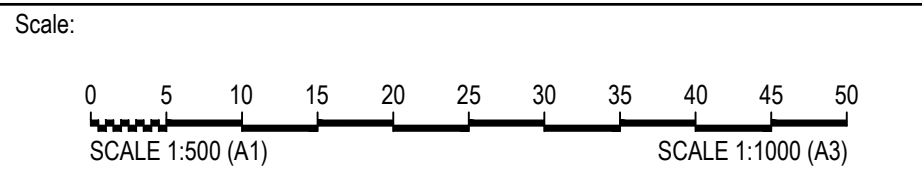
REFER TO DRAWING 200 FOR CONTINUATION

REFER TO DRAWING 203 FOR CONTINUATION

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM		30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM		09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM		06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan**
building a healthy lifestyle

By: **Orion Consulting**
Member Firm
ABN:25 604 069 981 PO Box:7336, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

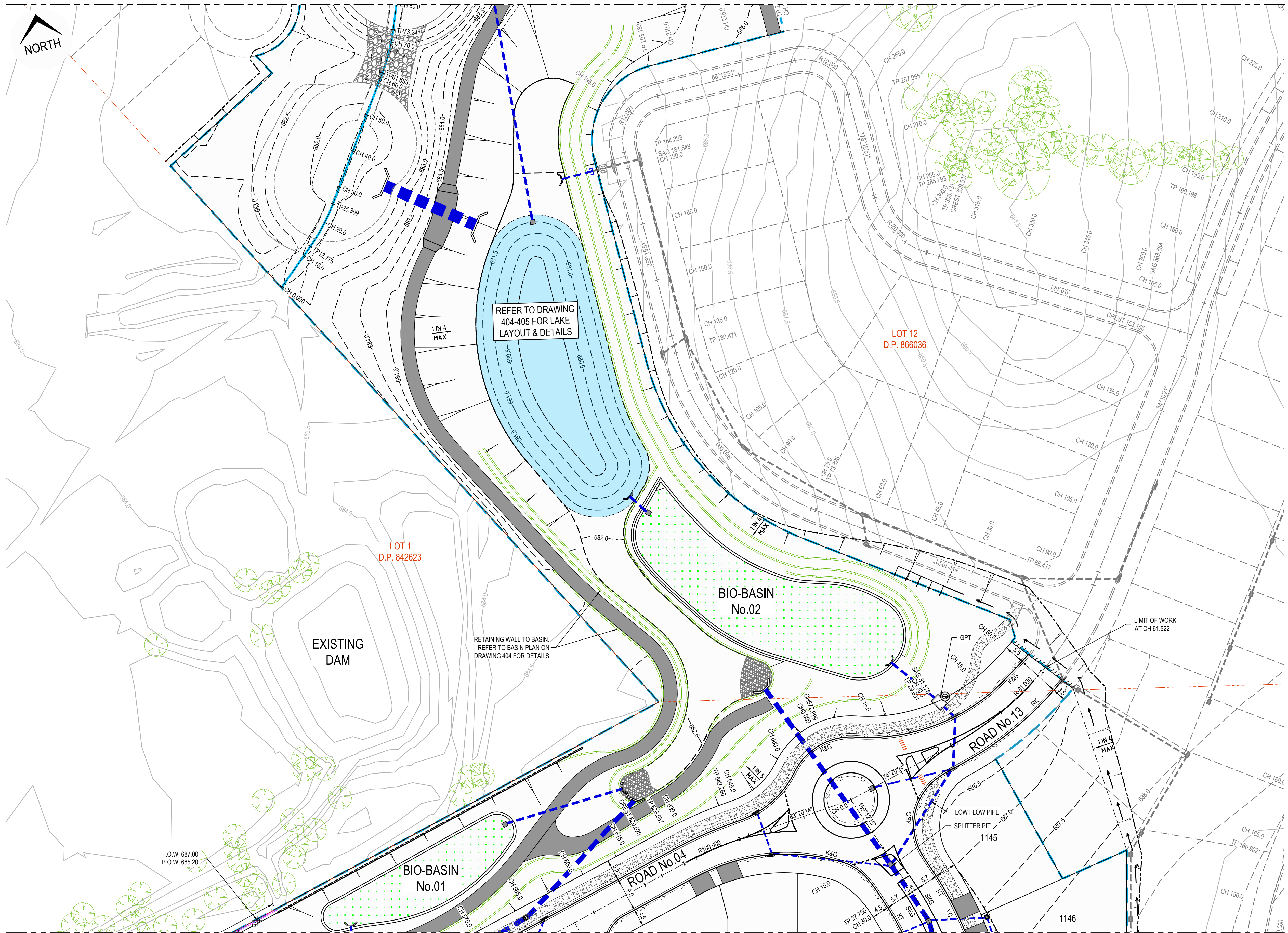
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: ENGINEERING PLAN SHEET 05 OF 07				
Project No. 19-34	Set No. 01	Milestone DA	Plan 204	Revision D

REFER TO DRAWING 206 FOR CONTINUATION

LEGEND

- DENOTES DRAINAGE EASEMENT TO COUNCIL'S MINIMUM WIDTH (2.0m) SUBJECT TO DETAILED DESIGN (A)
- PROPOSED RESIDENTIAL RETAINING WALL (TEXTURED CONCRETE SLEEPER WALL)
- PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)
- PROPOSED SITE BOUNDARY RETAINING WALL (KEYSTONE WALL)
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- DENOTES DRIVEWAY (PART OF THIS APPLICATION)
- DENOTES DRIVEWAY WITH VEHICULAR CROSSING (PART OF THIS APPLICATION)
- DENOTES INDICATIVE FUTURE DRIVEWAY LOCATION (NOT PART OF THIS APPLICATION)

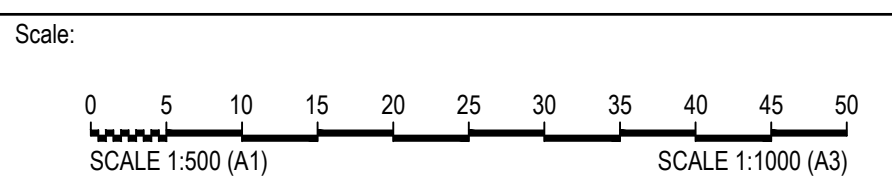


REFER TO DRAWING 204 FOR CONTINUATION

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan** 
building a healthy lifestyle

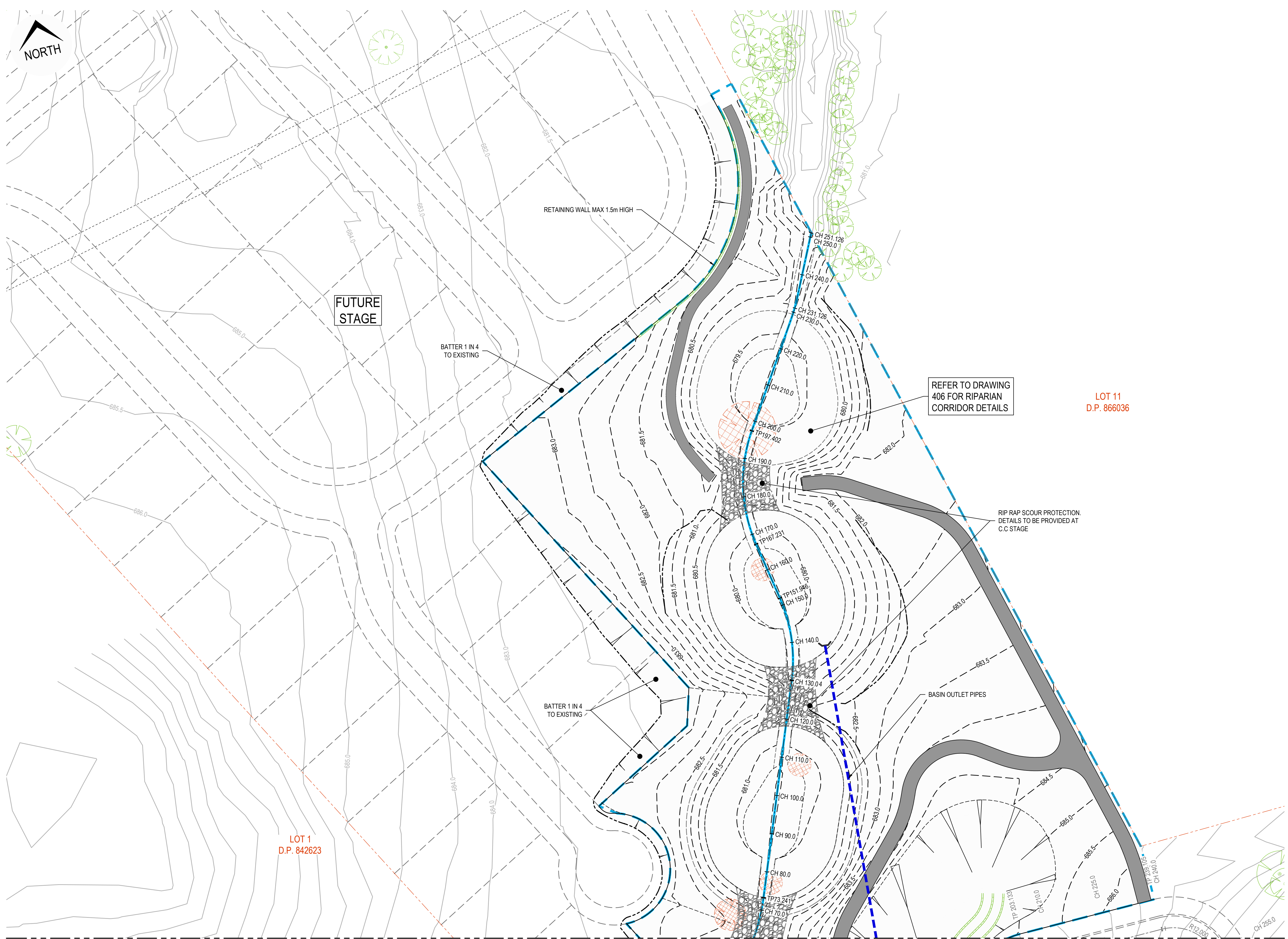
By: **Orion Consulting** 
Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	205	D

Title: **ENGINEERING PLAN**
SHEET 06 OF 07

LEGEND	
PROPOSED OPEN SPACE RETAINING WALL (SANDSTONE BOULDER WALL)	

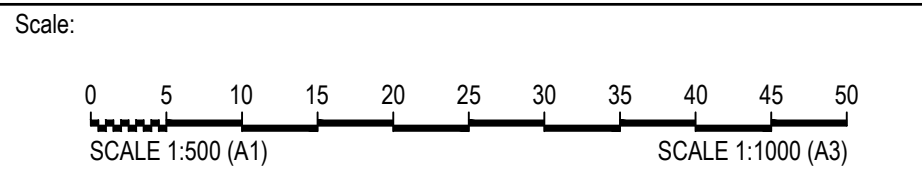


REFER TO DRAWING 205 FOR CONTINUATION

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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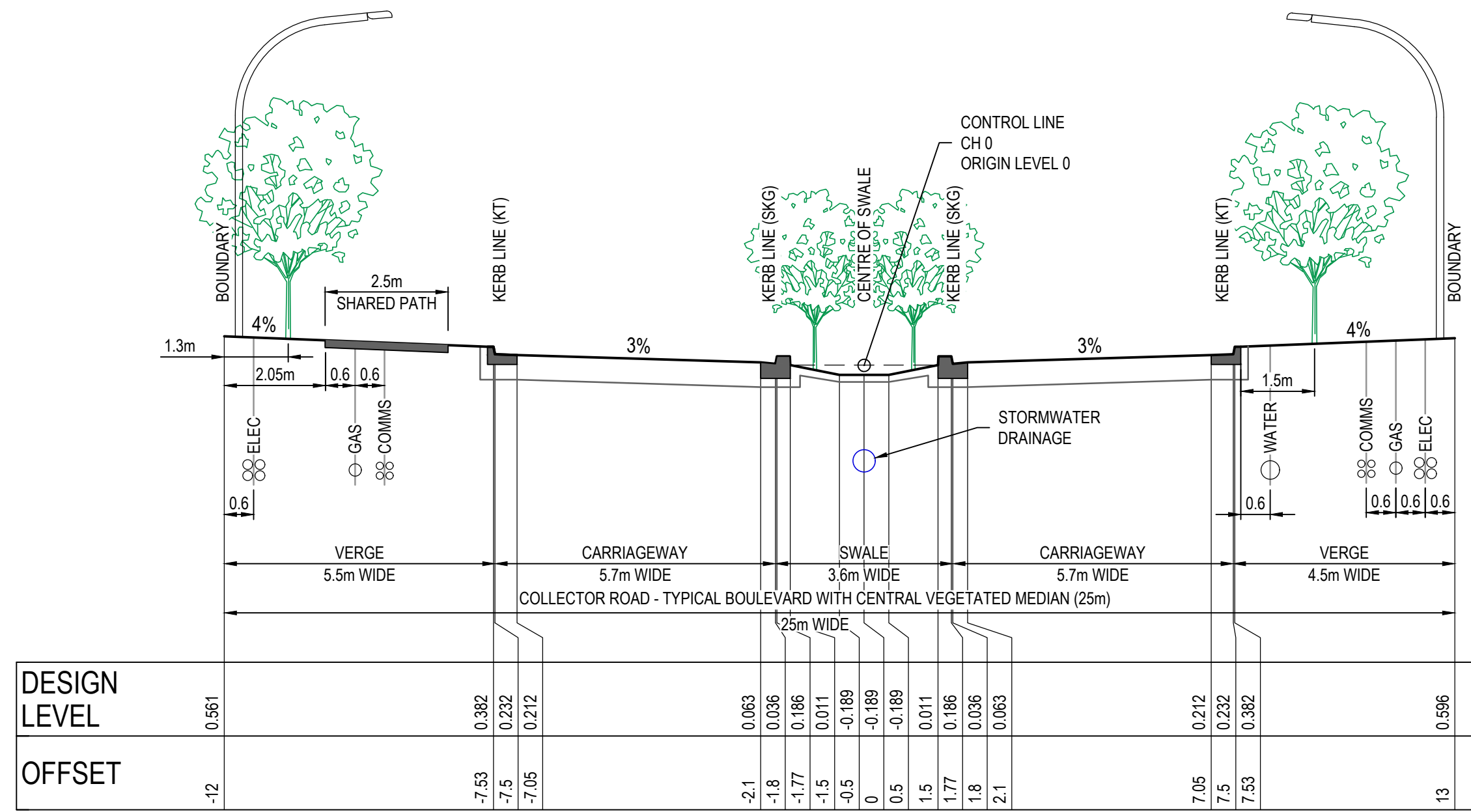
For: **Aoyuan** *building a healthy lifestyle*

By: **Orion Consulting** CONSULT AUSTRALIA Member Firm
ABN:25 604 069 981 PO Box:7336, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

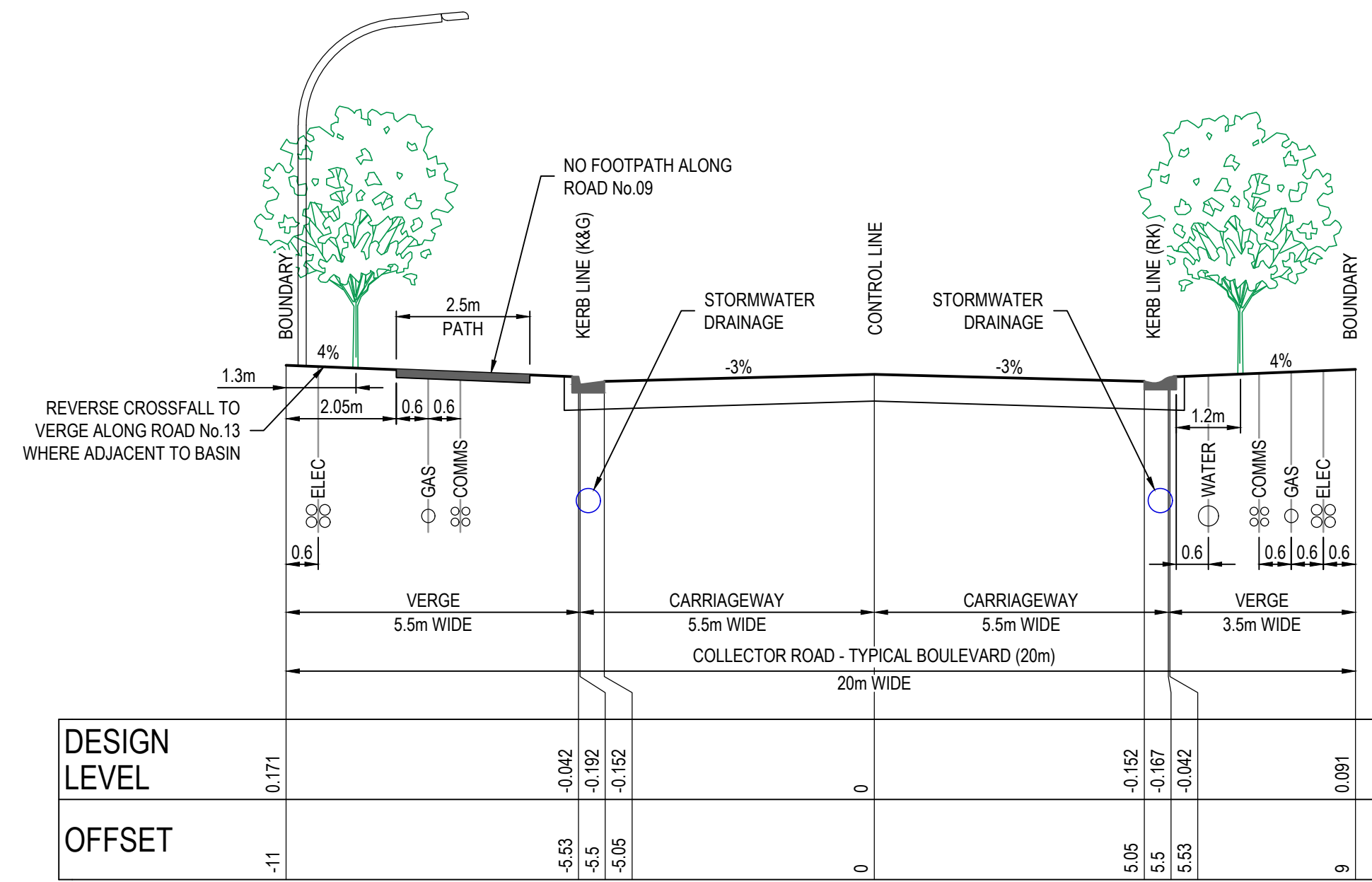
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: ENGINEERING PLAN SHEET 07 OF 07				
Project No. 19-34	Set No. 01	Milestone DA	Plan 206	Revision D

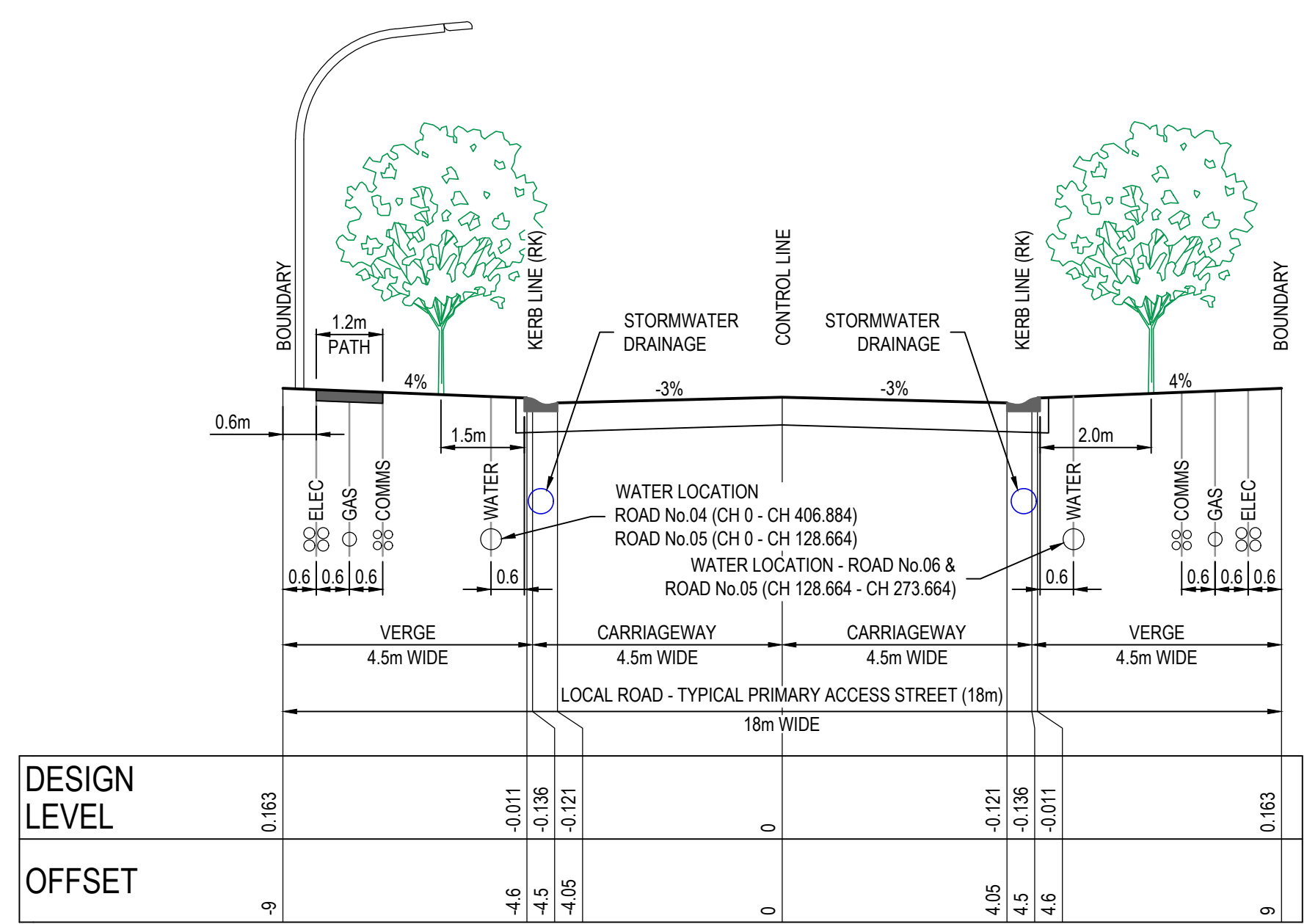
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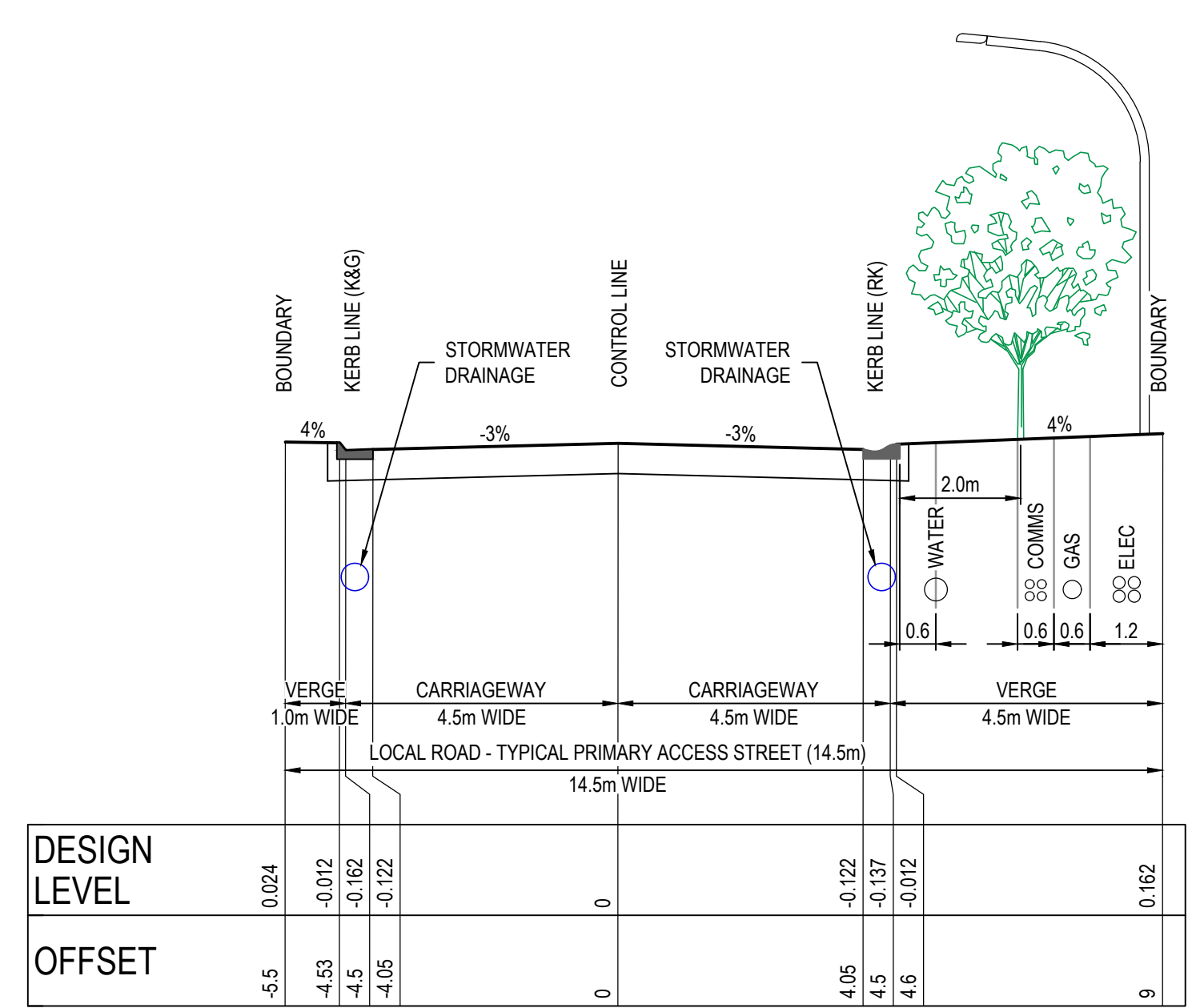
TYPICAL CROSS SECTION - BOULEVARD B1
ROAD No.01 (CH 0 - CH 421.91) & ROAD No.02
SCALE 1:100



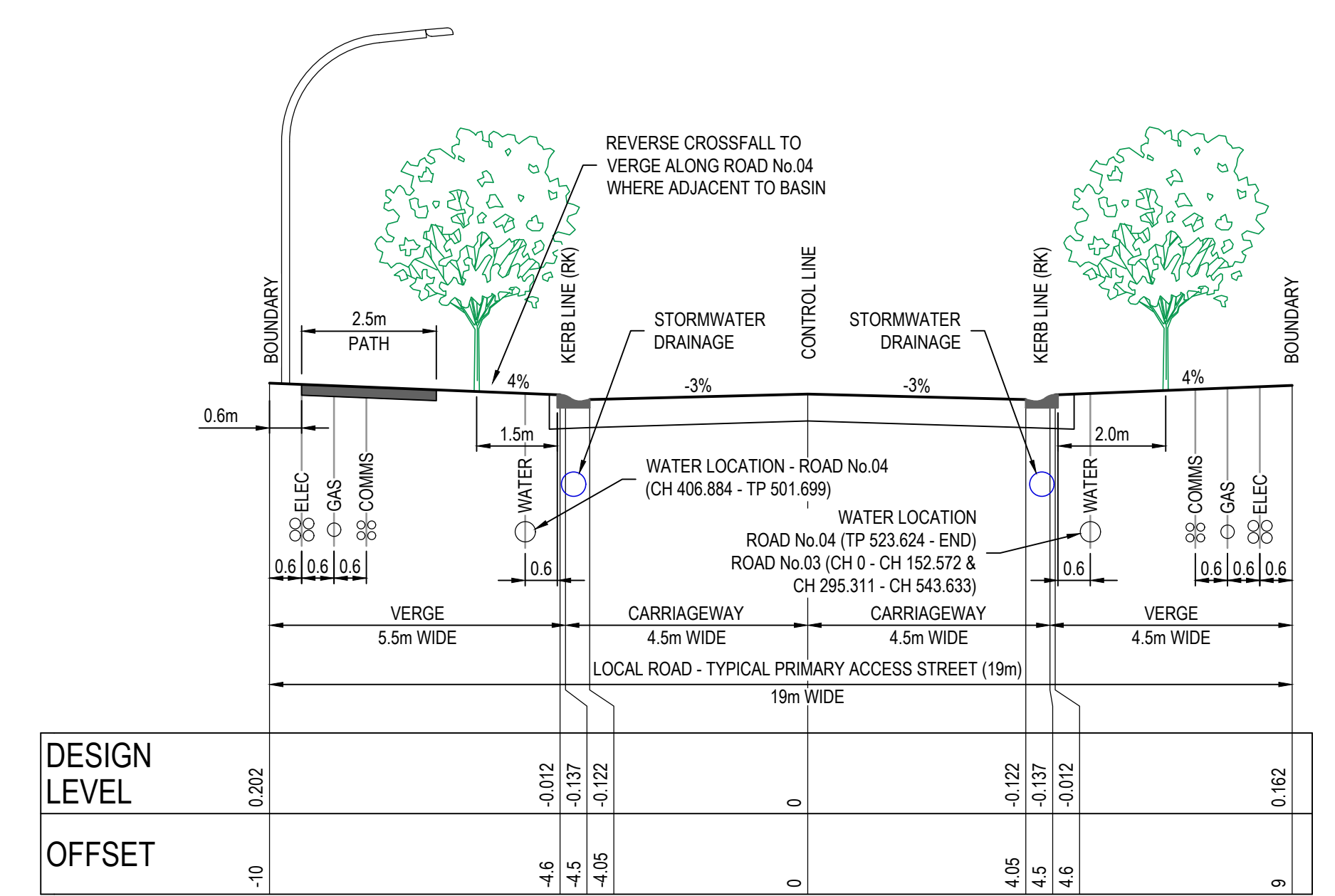
TYPICAL CROSS SECTION - BOULEVARD B3a (VARIANT)
ROAD No.01 (CH 421.91- CH 465.77), ROAD No.09 & No.13
SCALE 1:100



TYPICAL CROSS SECTION - LOCAL L1
ROAD No.06, ROAD No.04 (CH 0 - CH 406.884)
& ROAD No.05 (CH 0 - CH 273.664)
SCALE 1:100



TYPICAL CROSS SECTION - LOCAL L1a (VARIANT)
ROAD No.03 (CH 157.572 - CH 295.311)
SCALE 1:100



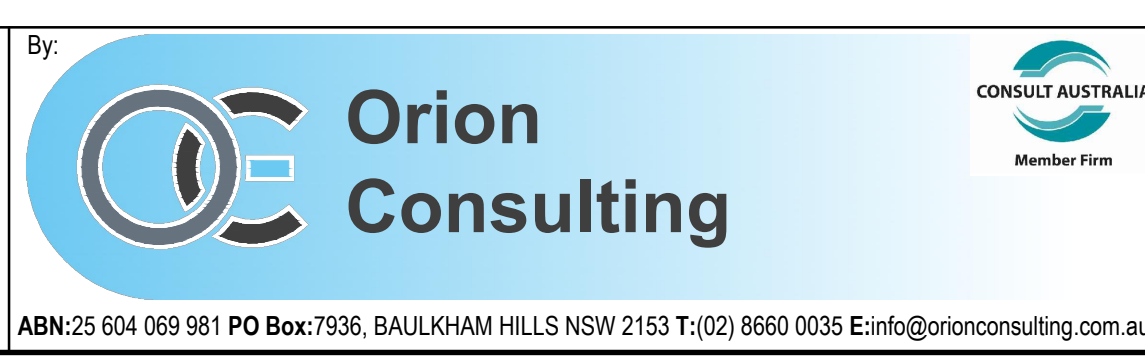
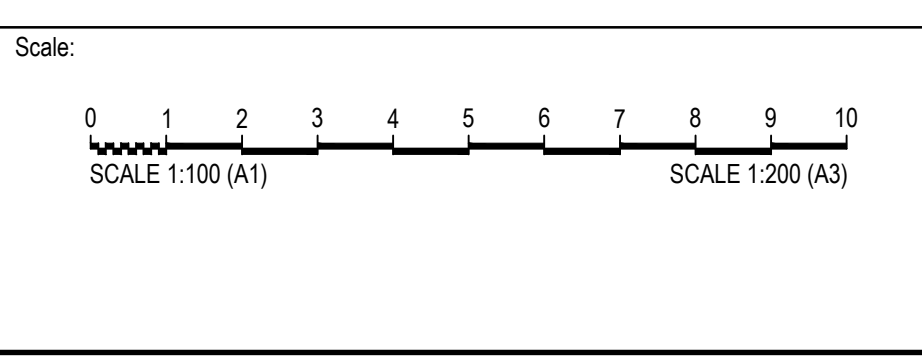
TYPICAL CROSS SECTION - LOCAL L1b (VARIANT)
ROAD No.03 (CH 0 - CH 152.572 & CH 295.311 - CH 543.633)
& ROAD No.04 (CH 406.884 - END)
SCALE 1:100

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: 1 October 2020 2:02:23 PM File Name: D:\Project\20191031\1031\1031_Vale Stage 1 DA & BE Main\Stage1\Design\07 Residential Subdivision\DA19_34_DA_300.dwg

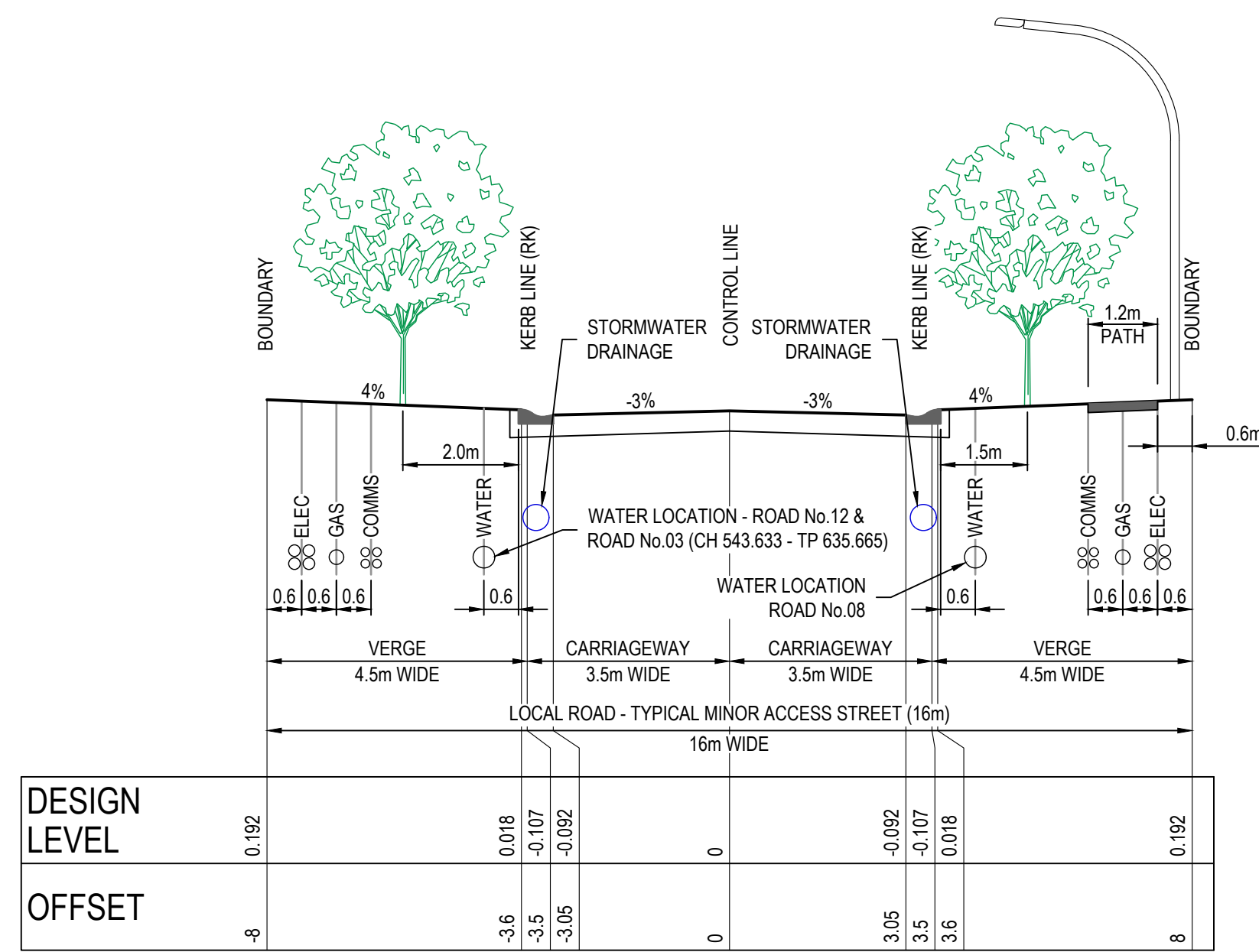
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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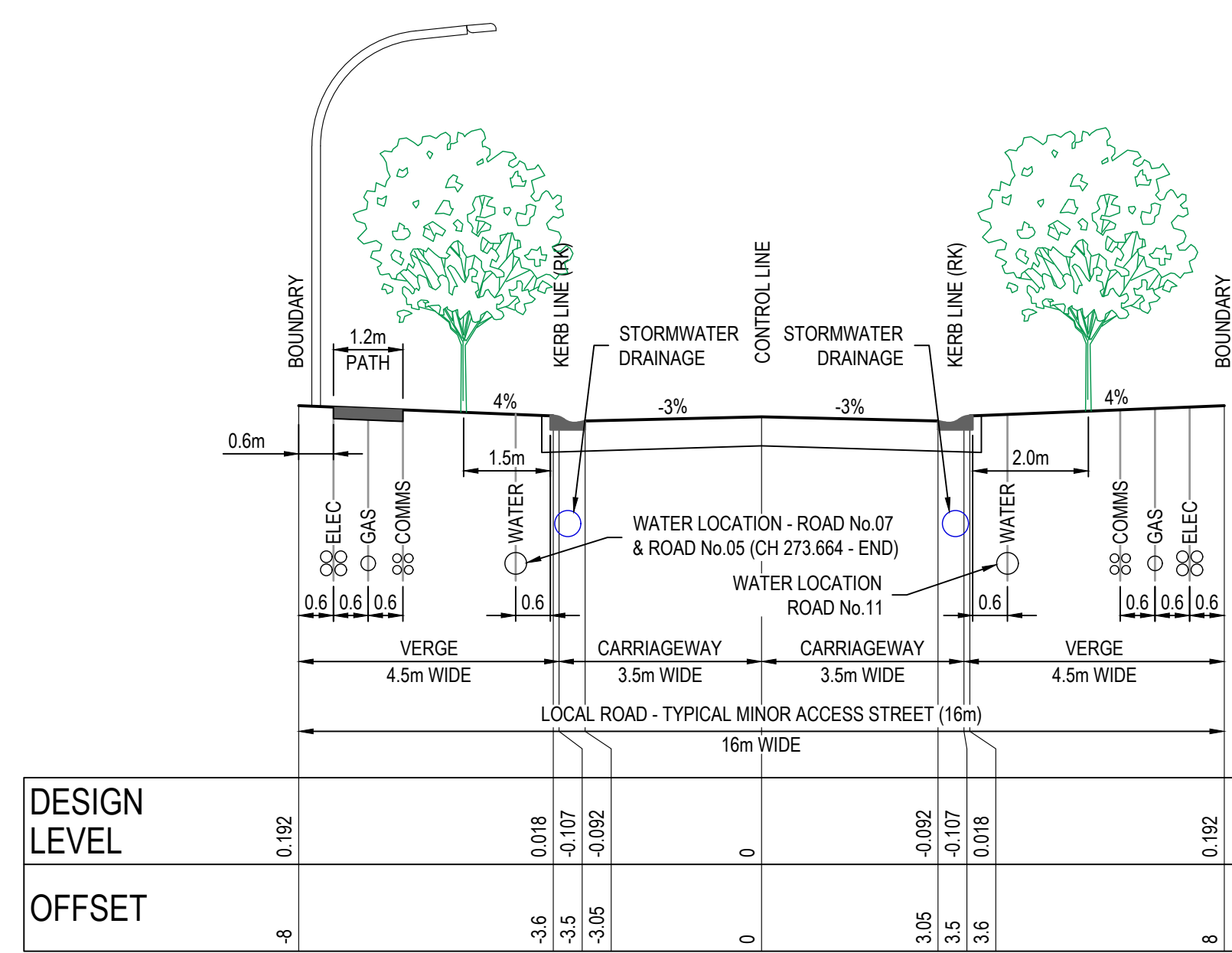


Project: STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

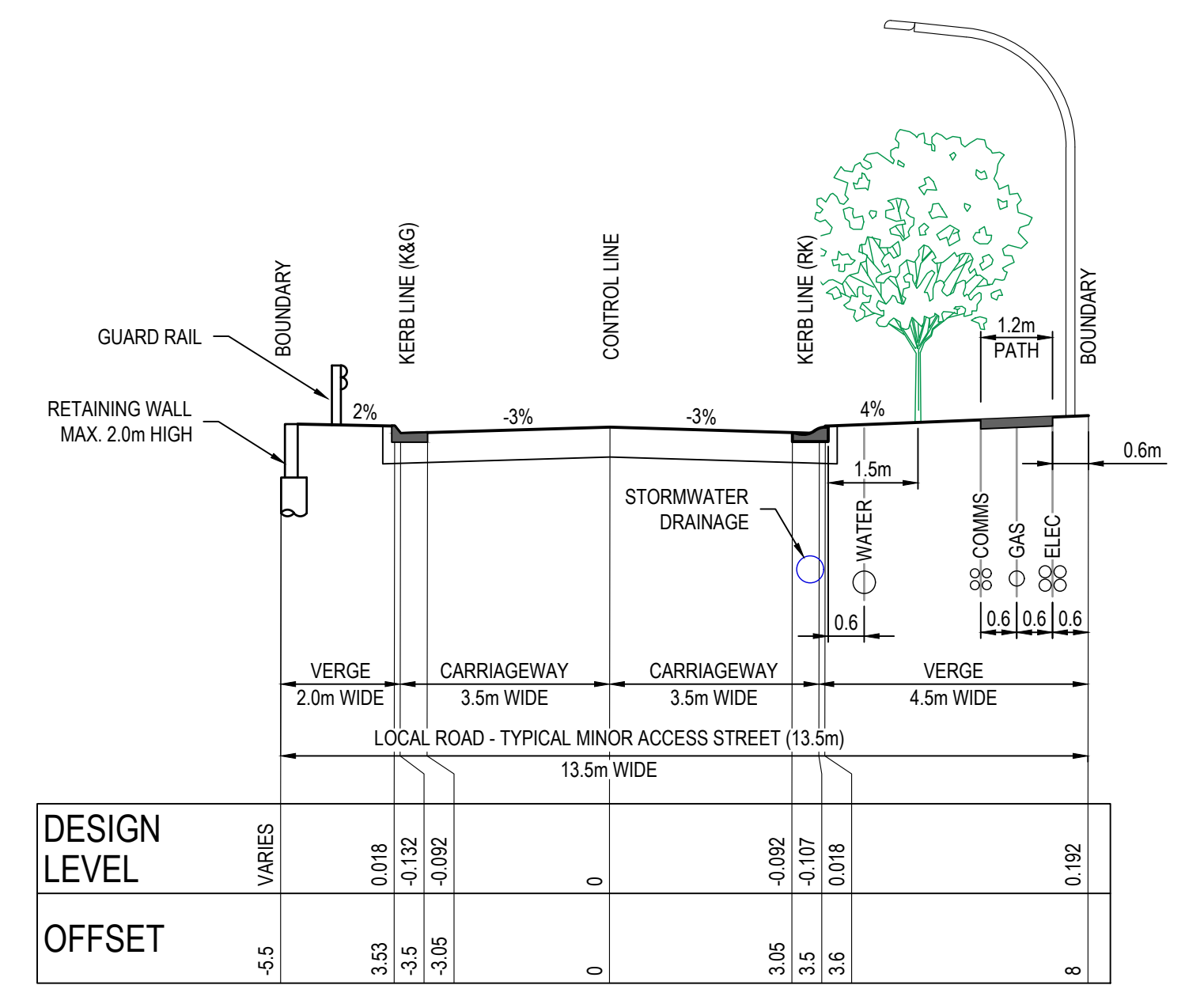
Title: TYPICAL ROAD CROSS SECTIONS SHEET 01 OF 02				
Project No. 19-34	Set No. 01	Milestone DA	Plan 300	Revision D



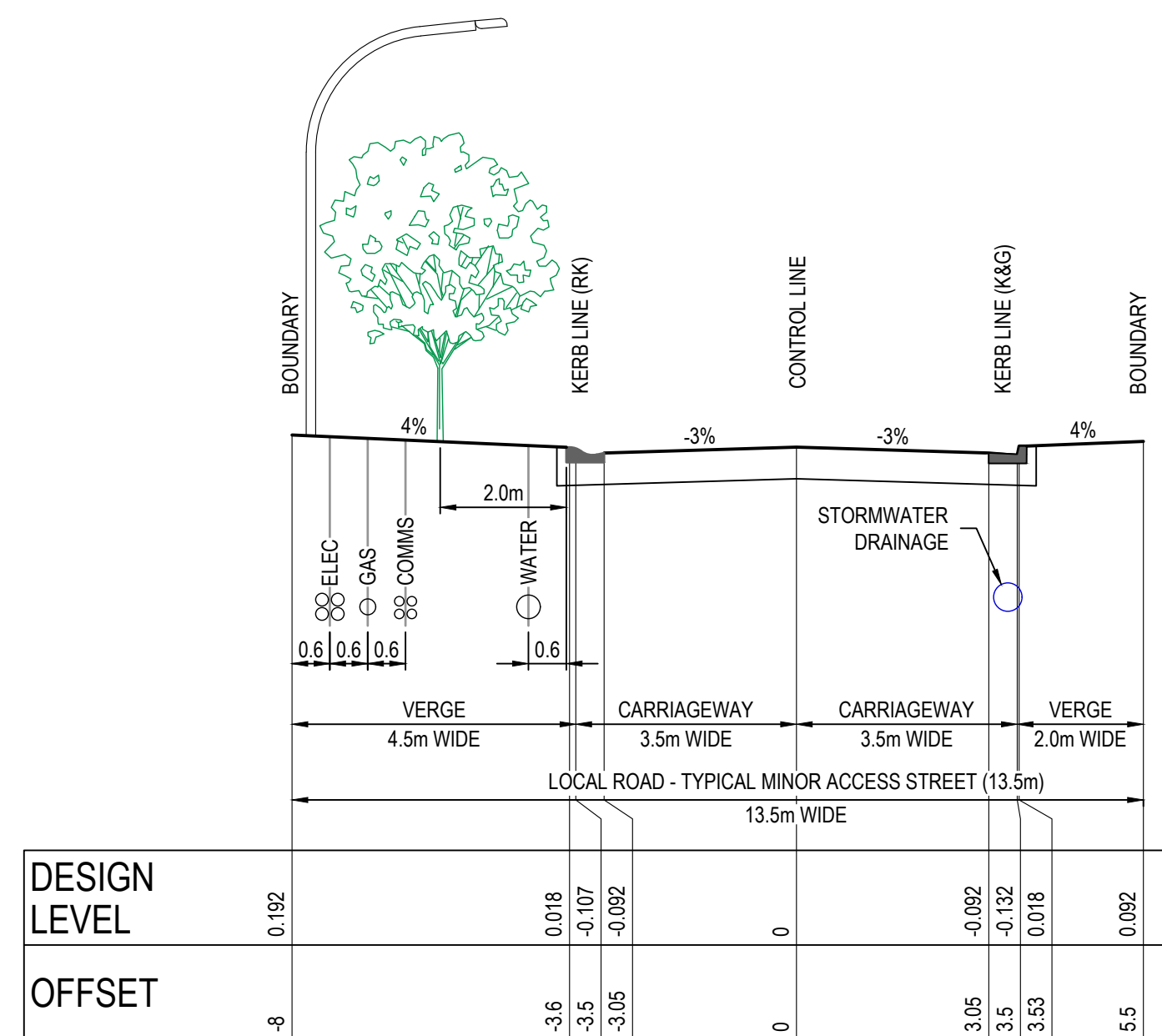
TYPICAL CROSS SECTION - LOCAL L2
ROAD No.08, ROAD No.12 &
ROAD No.03 (CH 543.633 - TP 635.665)
SCALE 1:100



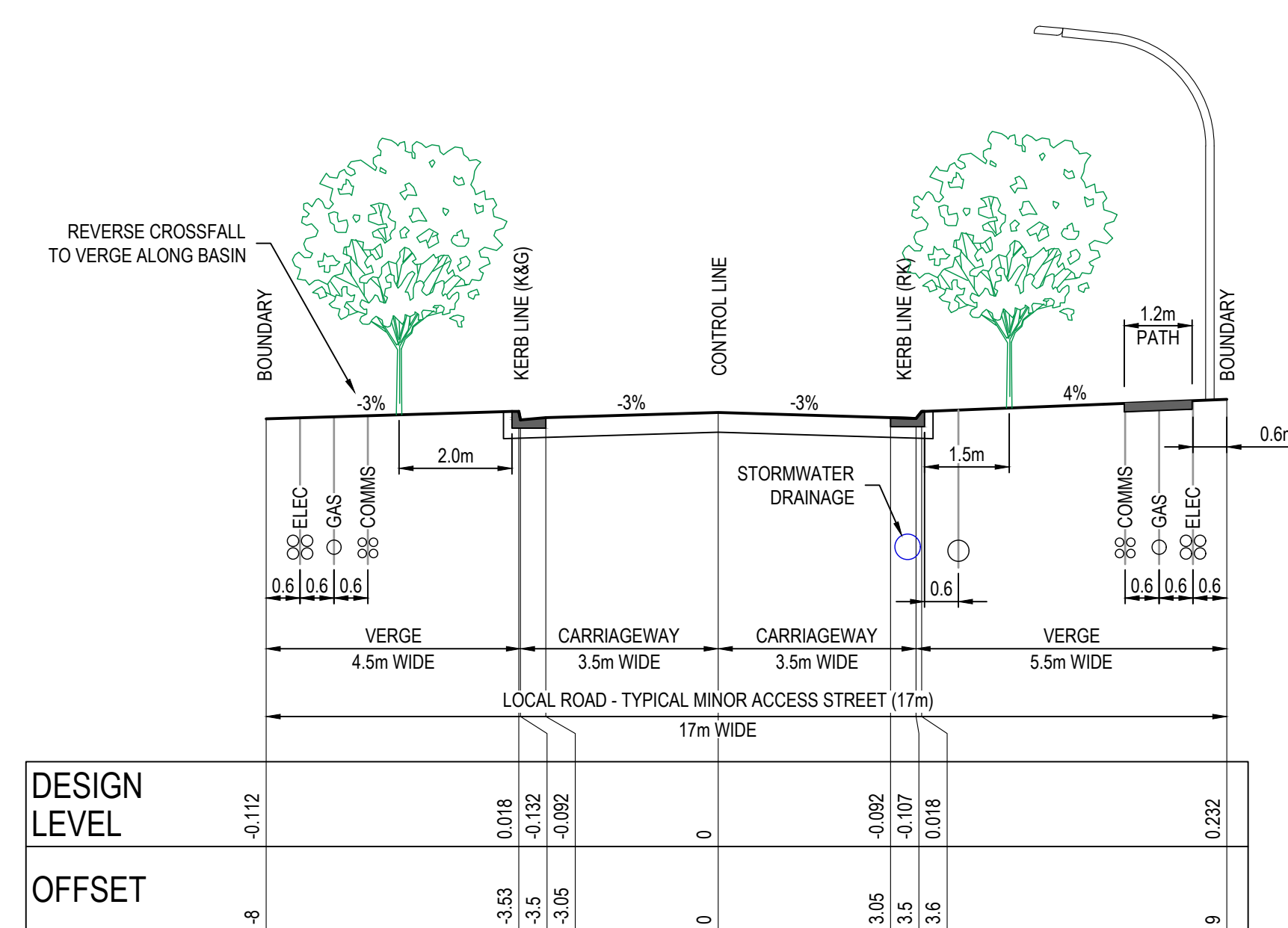
TYPICAL CROSS SECTION - LOCAL L2
ROAD No.07, ROAD No.11 &
ROAD No.05 (CH 273.664 - END)
SCALE 1:100



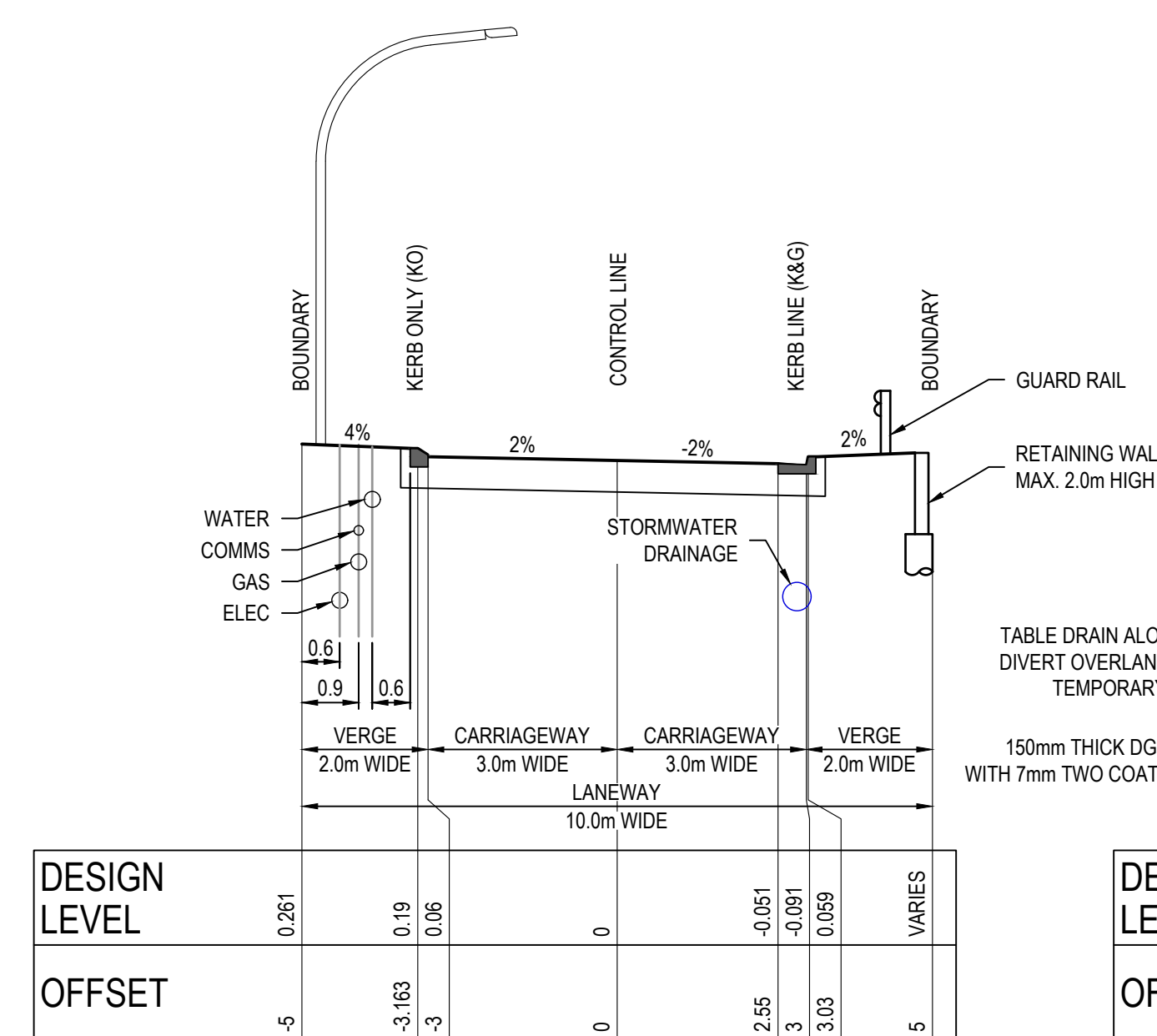
TYPICAL CROSS SECTION - LOCAL L2b (VARIANT)
ROAD No.03 (TP 654.515 - TP 707.515)
SCALE 1:100



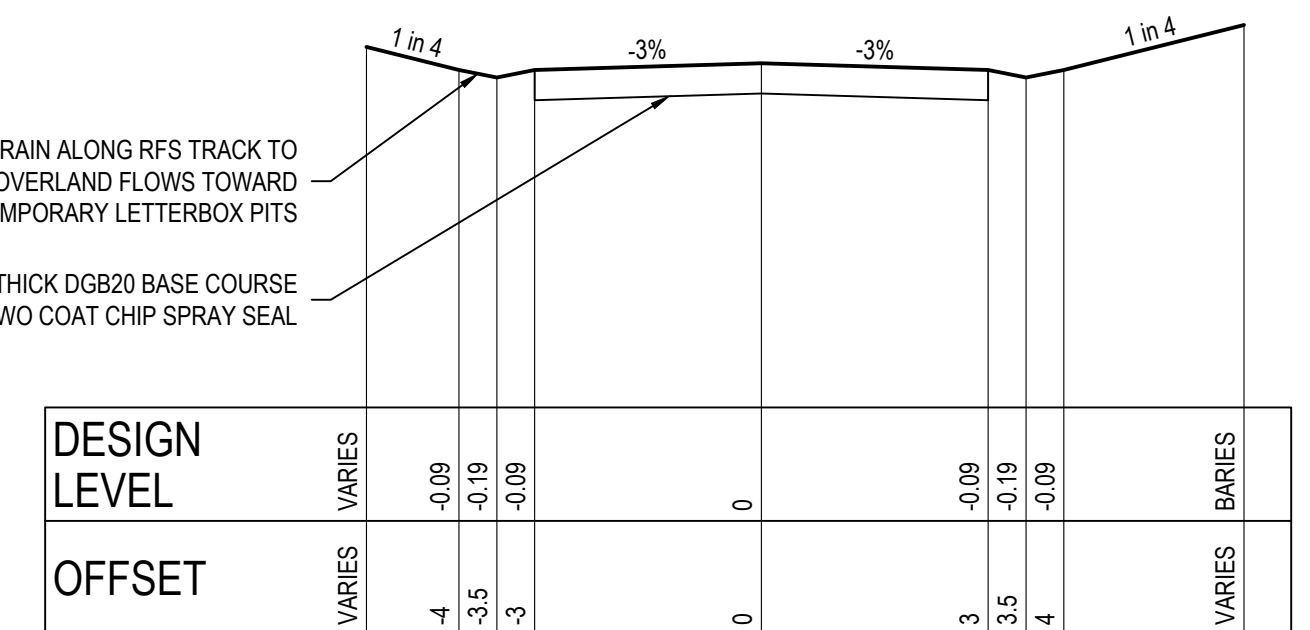
TYPICAL CROSS SECTION - LOCAL L2b (VARIANT)
ROAD No.10
SCALE 1:100



TYPICAL CROSS SECTION - LOCAL L2c (VARIANT)
ROAD No.03 (TP 707.515 - END)
SCALE 1:100



TYPICAL CROSS SECTION - ROAD No.15
SCALE 1:100



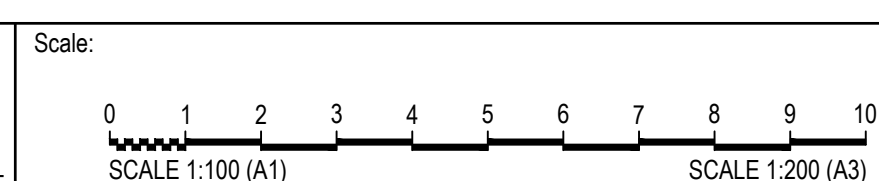
TYPICAL CROSS SECTION - RFS TRACK
SCALE 1:100

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: 1 October 2020 12:24:58 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan Design\Residential Subdivision\DA\19-34 DA-301.dwg

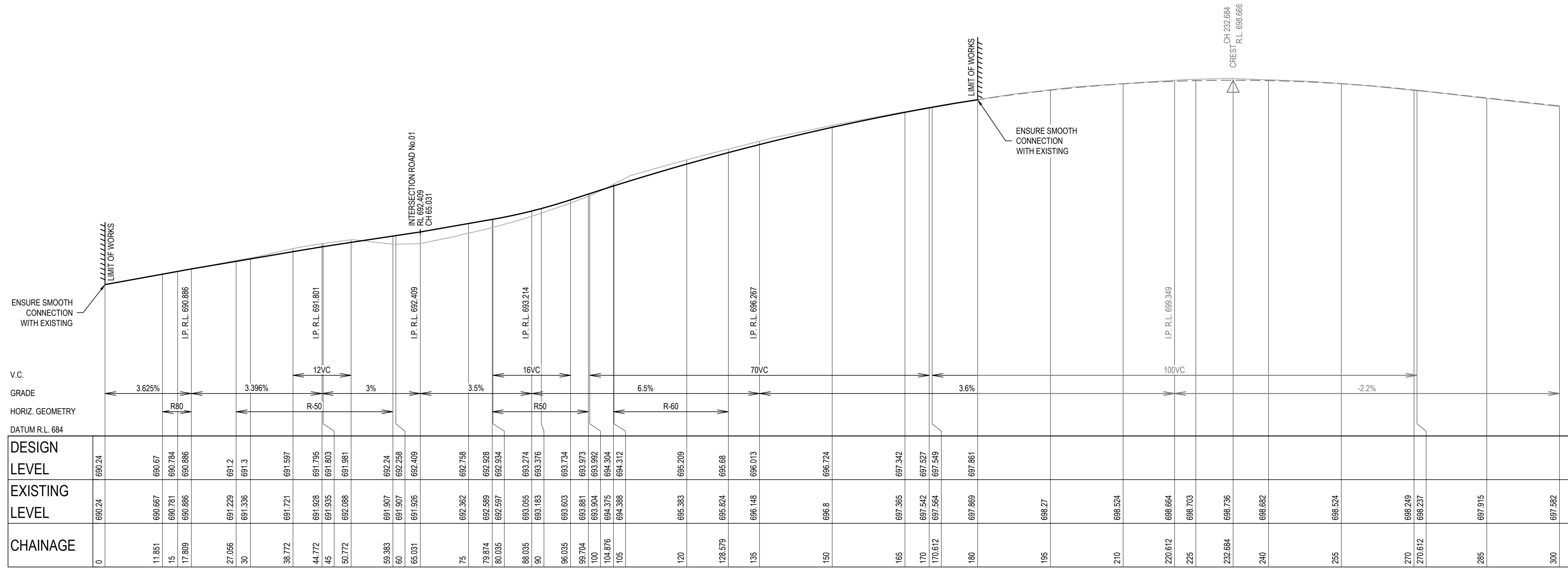
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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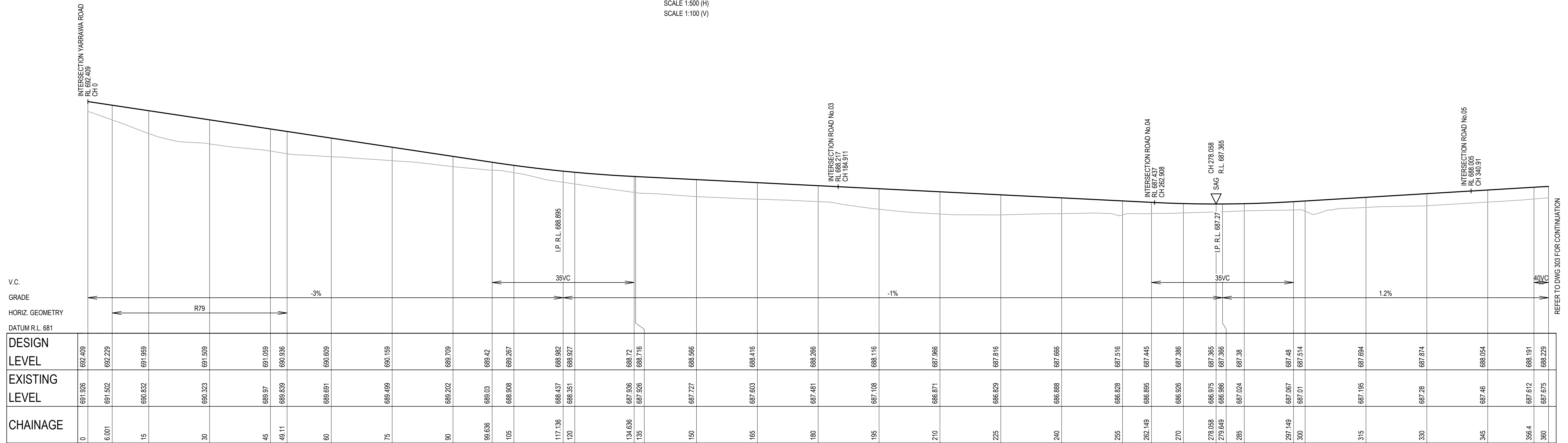


Project: STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: TYPICAL ROAD CROSS SECTIONS SHEET 02 OF 02				
Project No. 19-34	Set No. 01	Milestone DA	Plan 301	Revision D



LONG SECTION - YARRAWA ROAD
SCALE 1:500 (H)
SCALE 1:100 (V)



LONG SECTION - ROAD No.01
SCALE 1:500 (H)
SCALE 1:100 (V)

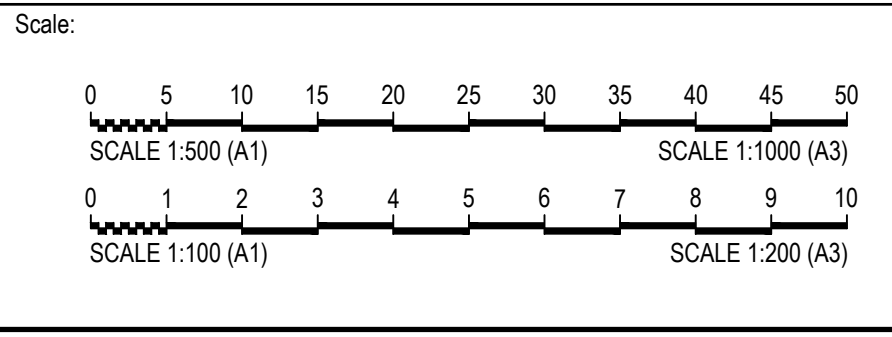
ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

REFER TO DWG 303 FOR CONTINUATION

Project: 1 October 2020 12:28:03 PM File Name: O:\Projects\2019\13\34 Moss Vale Stage 1 DA & BE Masterplan Design\13 Resubmittal Submissions\DA\13 DA 302.dwg

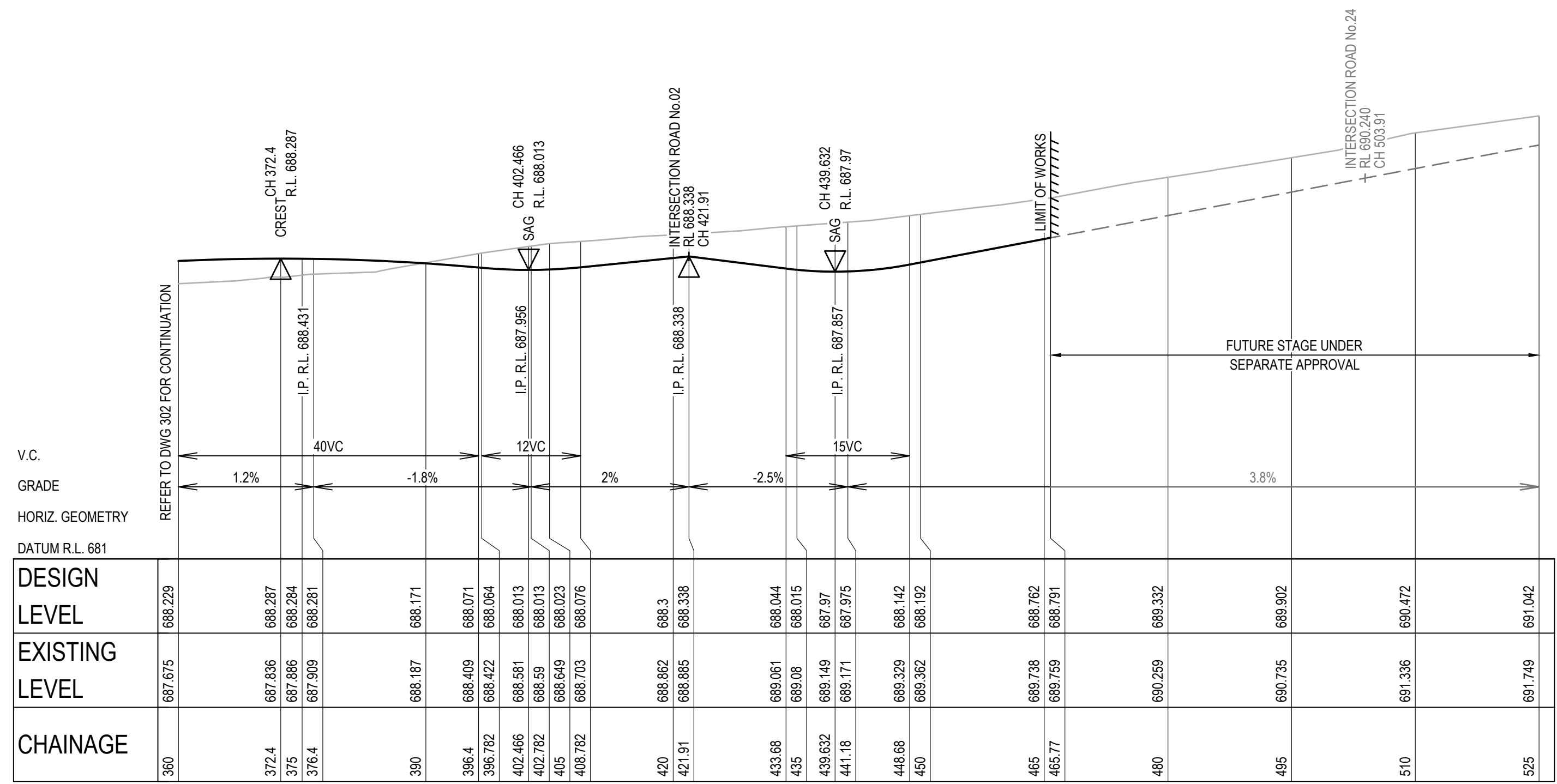
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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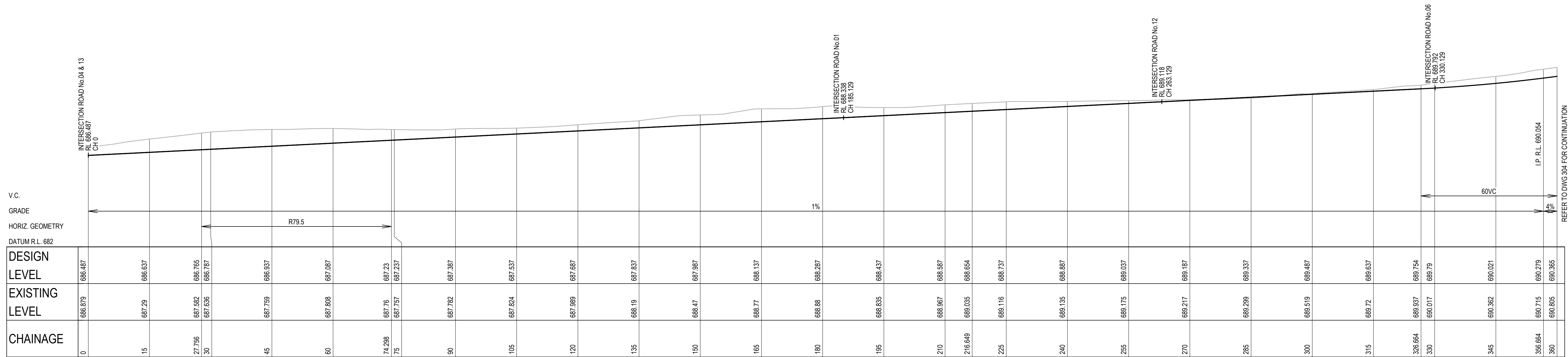
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: ROAD LONG SECTIONS SHEET 01 OF 08	
Project No. 19-34	Set No. 01
Milestone DA	Plan 302
Revision D	



LONG SECTION - ROAD No.01

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



LONG SECTION - ROAD No.02

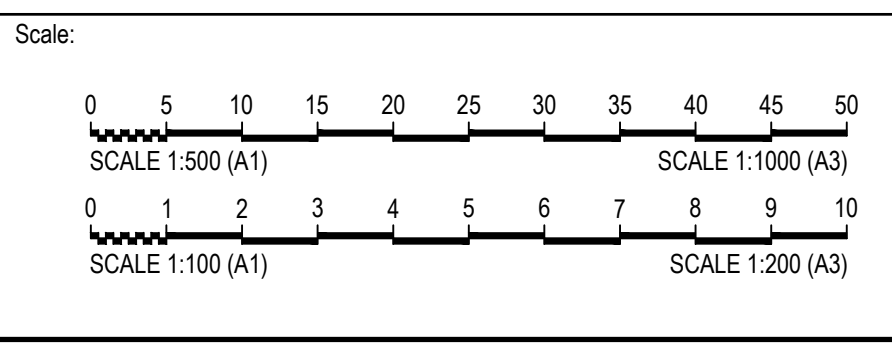
SCALE 1:500 (H)
SCALE 1:100 (V)

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: 1 October 2020 12:03:11 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage DA & BE Masterplan\Design\Residential\Subdivision\DA\19-34 DA-303.dwg

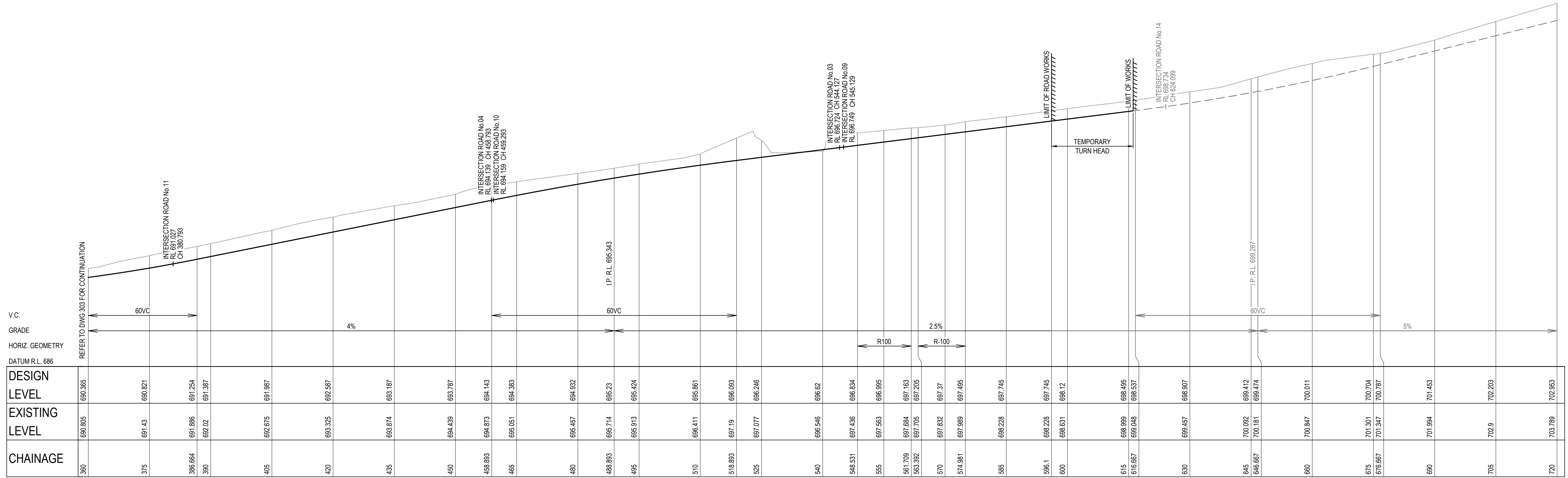
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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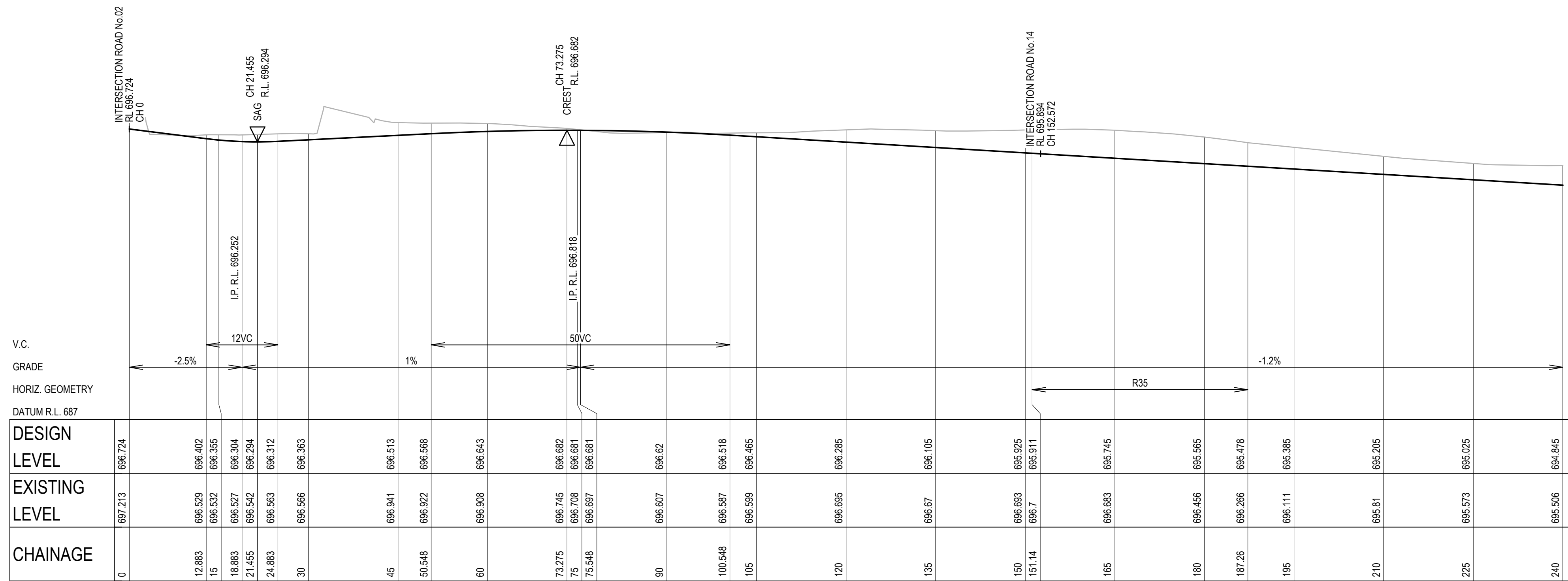
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	303	D



LONG SECTION - ROAD No.02

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



LONG SECTION - ROAD No.03

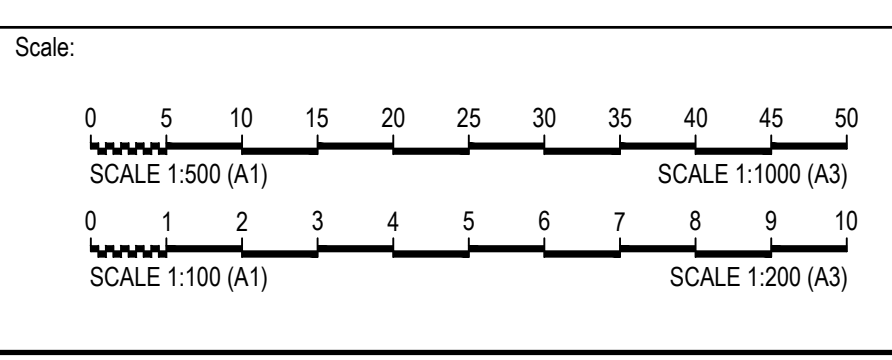
SCALE 1:500 (H)
SCALE 1:100 (V)

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: 1 October 2020 12:28:19 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan\Design\Residential Subdivision\DA\19-34 DA-304.dwg

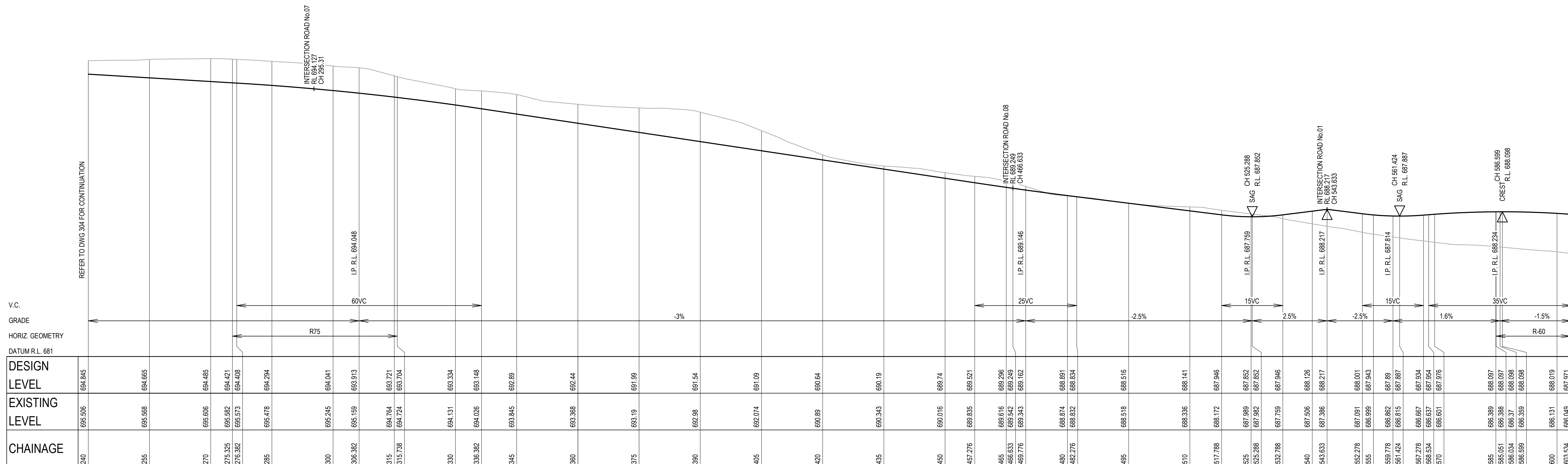
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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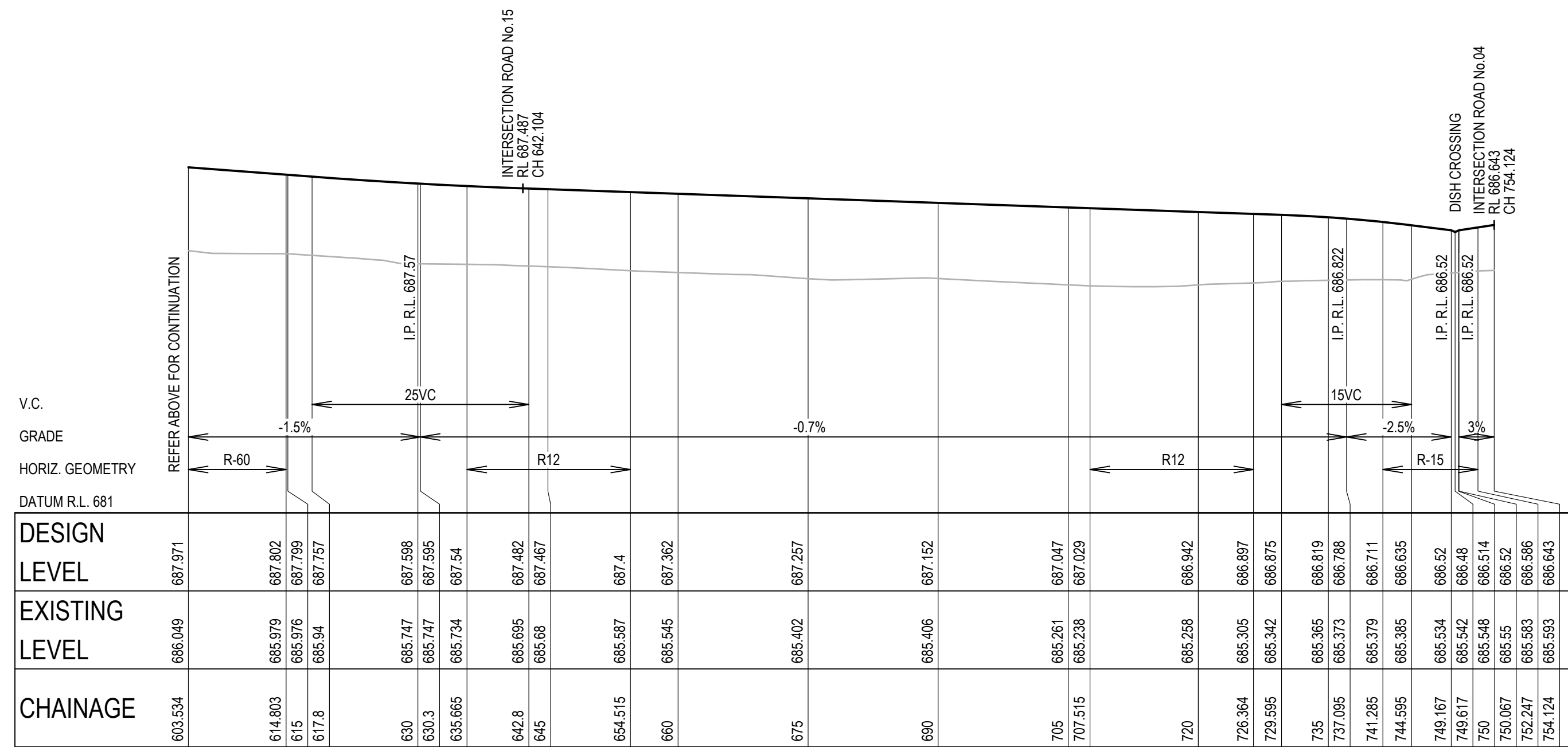


Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

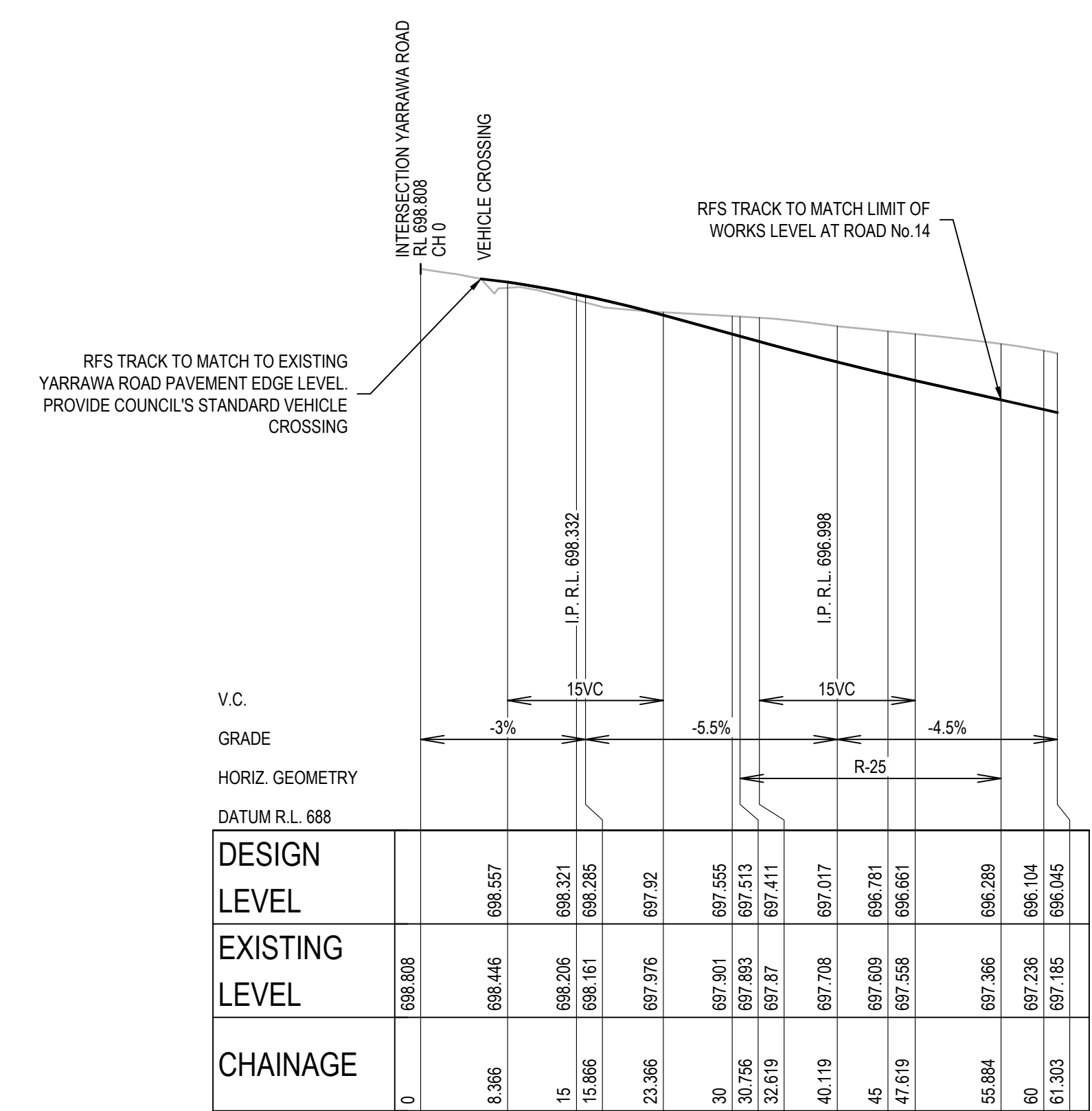
Title: ROAD LONG SECTIONS SHEET 03 OF 08	
Project No. 19-34	Set No. 01
Milestone DA	Plan 304
Revision D	



LONG SECTION - ROAD No.03
SCALE 1:500 (H)
SCALE 1:100 (V)



LONG SECTION - ROAD No.03
SCALE 1:500 (H)
SCALE 1:100 (V)



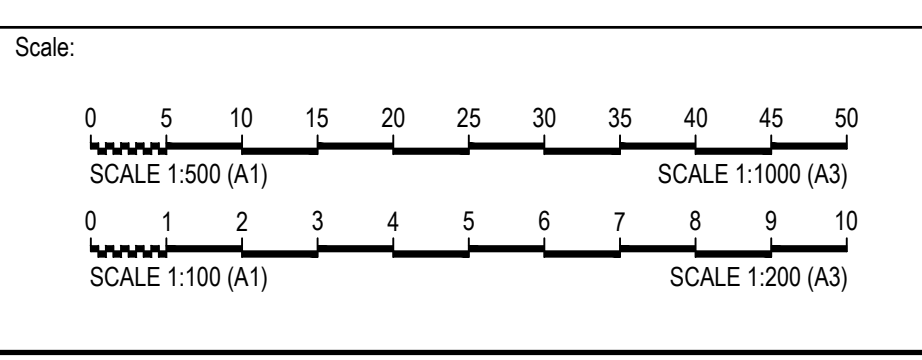
LONG SECTION - RFS TRACK
SCALE 1:500 (H)
SCALE 1:100 (V)

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: 1 October 2020 12:28:26 PM File Name: O:\Projects\2019\10-31 Moss Vale Stage 1 DA & BE Mainframe\Design\Residential\Submissions\DA\10-31 DA-305.dwg

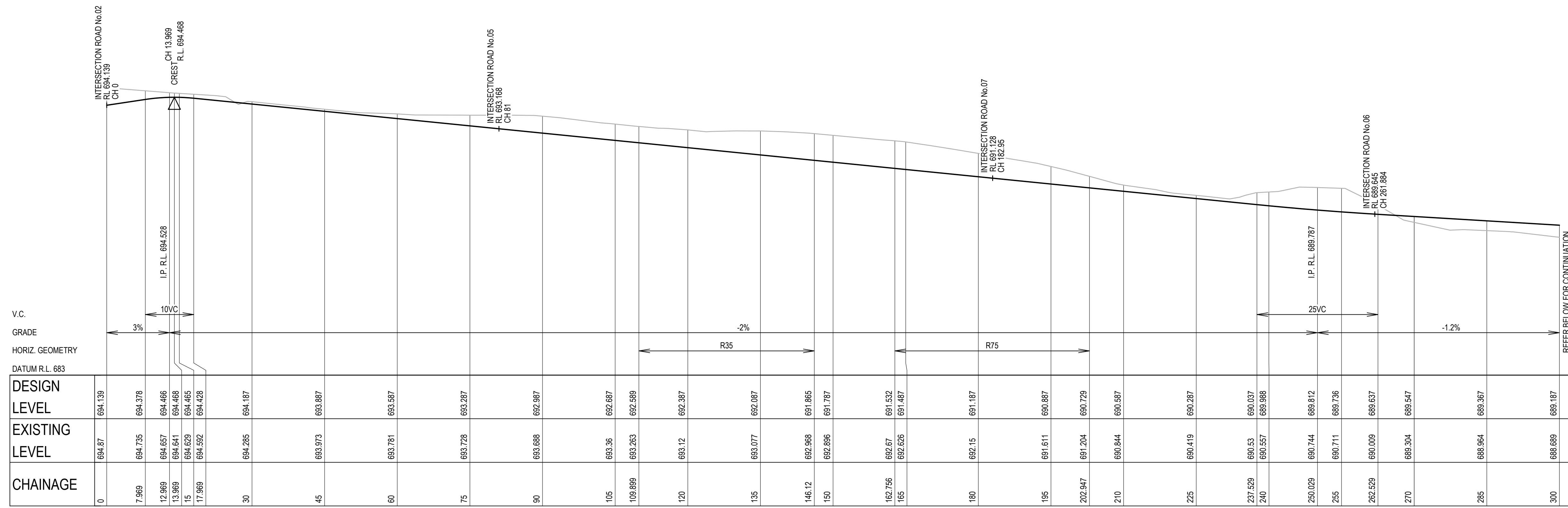
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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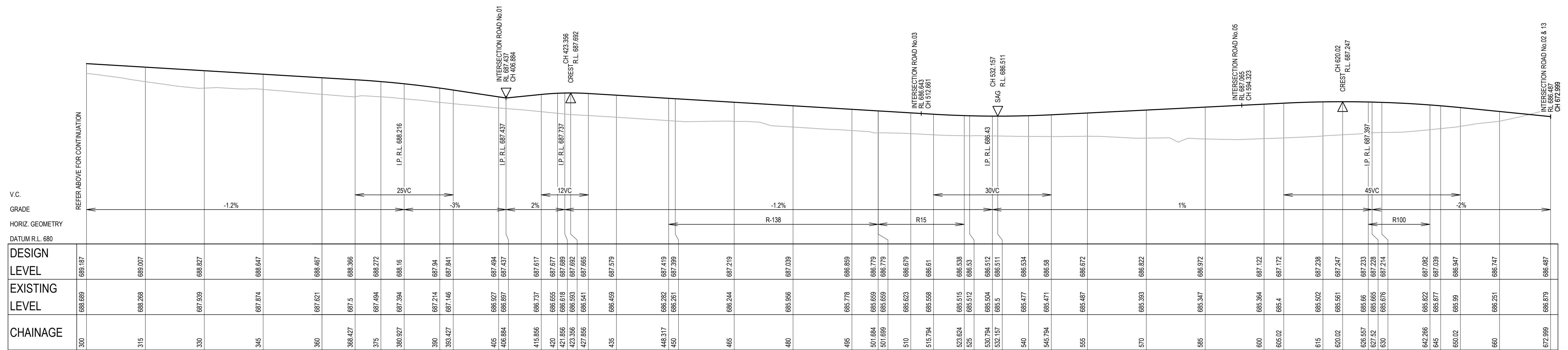


Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	305	D



LONG SECTION - ROAD No.04
 SCALE 1:500 (H)
 SCALE 1:100 (V)



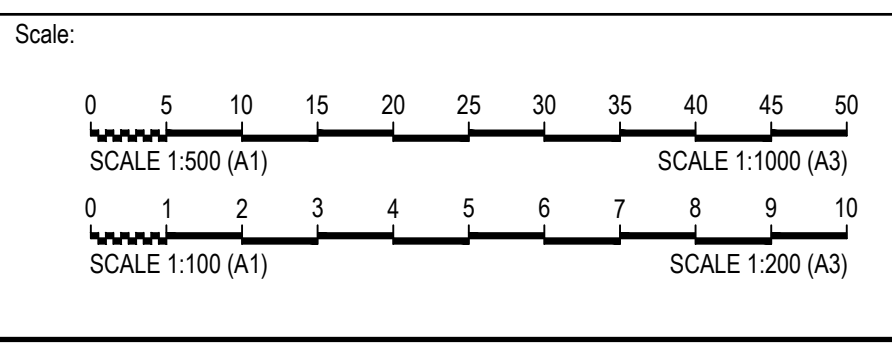
LONG SECTION - ROAD No.04
 SCALE 1:500 (H)
 SCALE 1:100 (V)

ISSUED FOR **DEVELOPMENT APPLICATION**
 NOT FOR CONSTRUCTION

Project: 1 October 2020 12:28:34 PM File Name: O:\Projects\2019\10-31 Moss Vale Stage 1 DA & BE Masterplan Design\01 Residential Subdivision\DA\10-31 DA-306.dwg

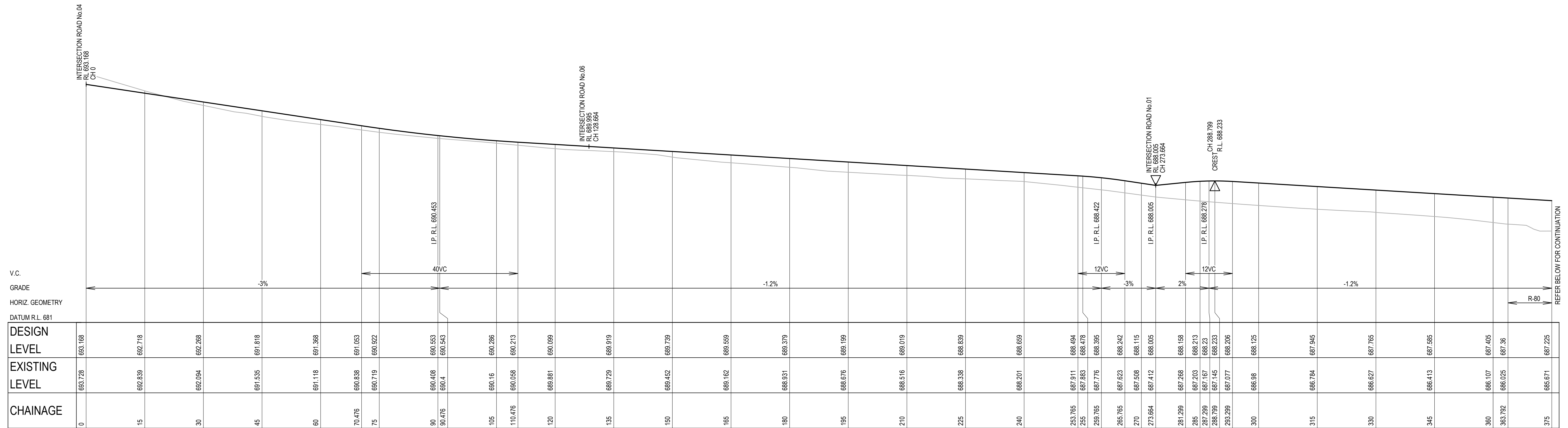
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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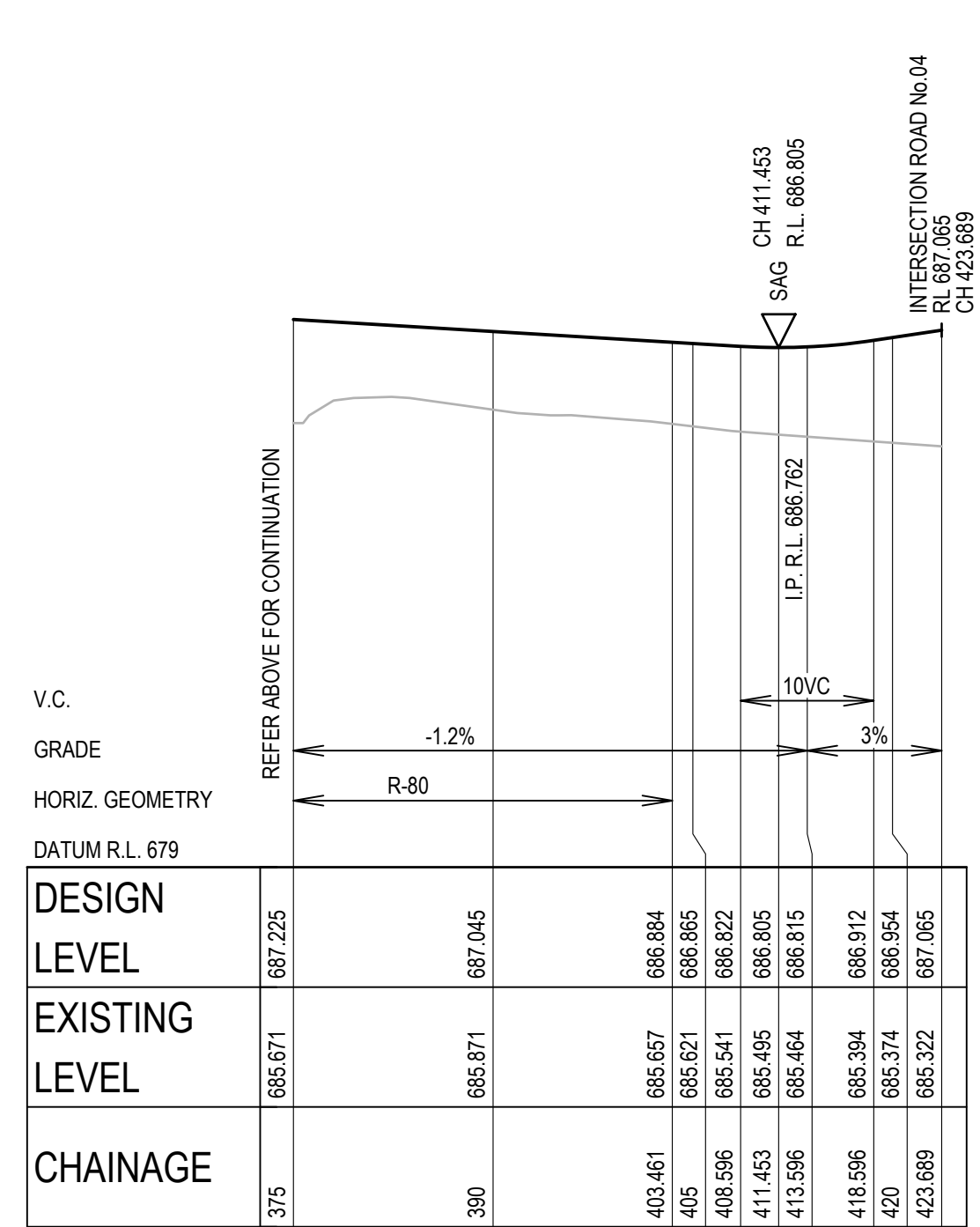


Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

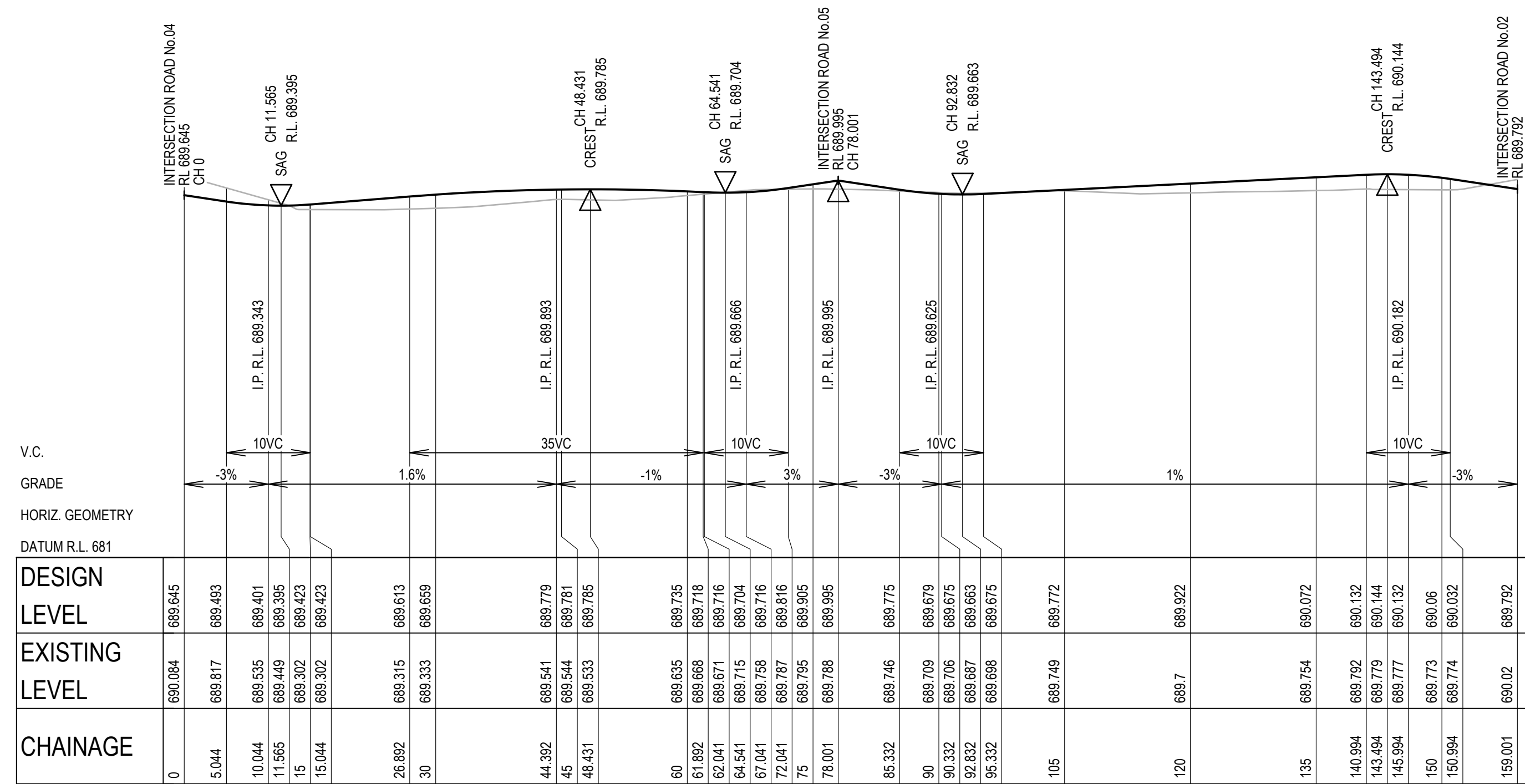
Title: ROAD LONG SECTIONS SHEET 05 OF 08	
Project No: 19-34	Set No: 01
Milestone: DA	Plan: 306
Revision: D	



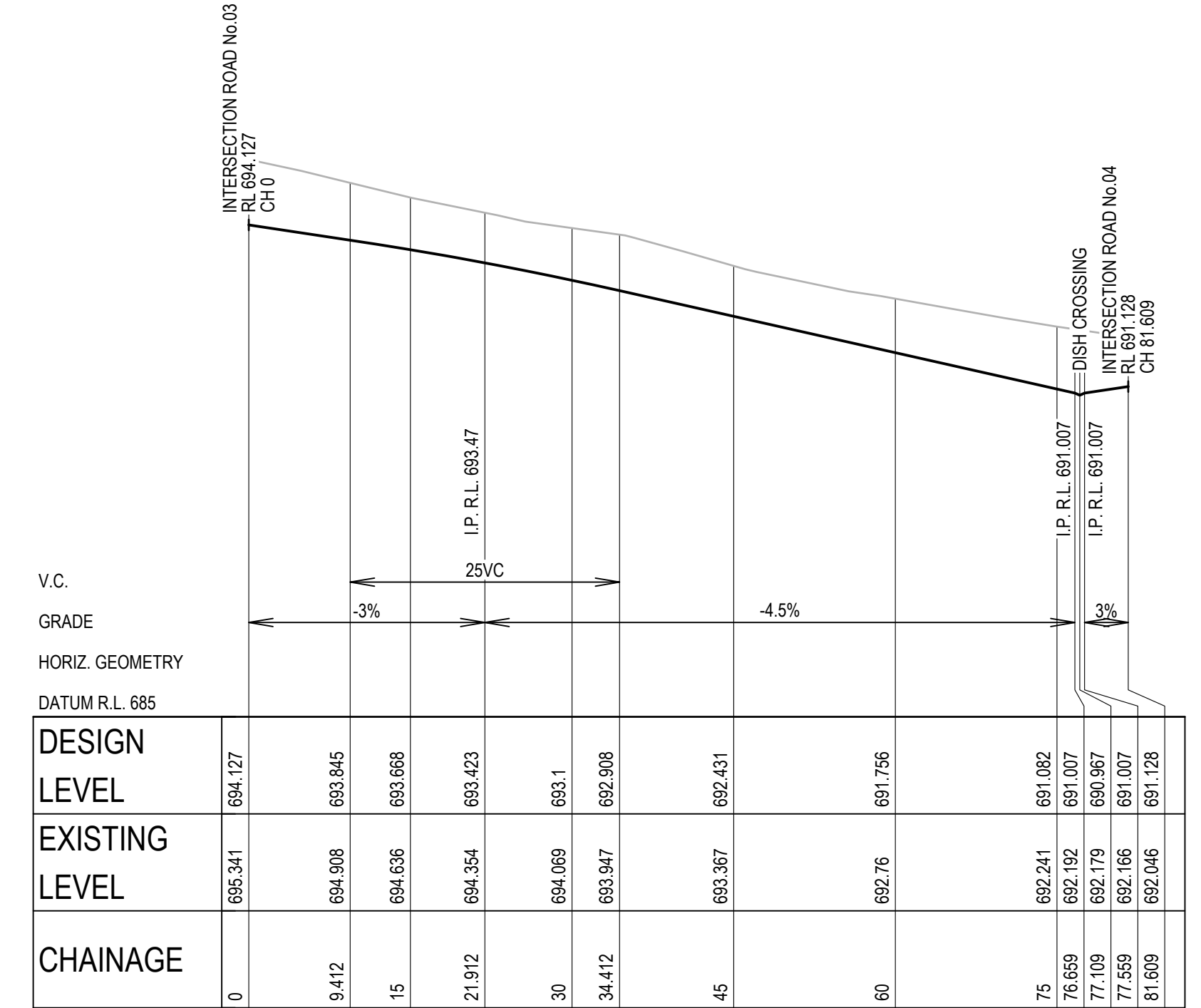
LONG SECTION - ROAD No.05
SCALE 1:500 (H)
SCALE 1:100 (V)



LONG SECTION - ROAD No.05
SCALE 1:500 (H)
SCALE 1:100 (V)



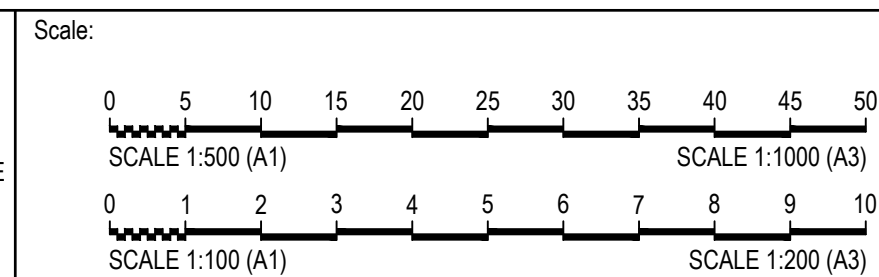
LONG SECTION - ROAD No.06
SCALE 1:500 (H)
SCALE 1:100 (V)



LONG SECTION - ROAD No.07
SCALE 1:500 (H)
SCALE 1:100 (V)

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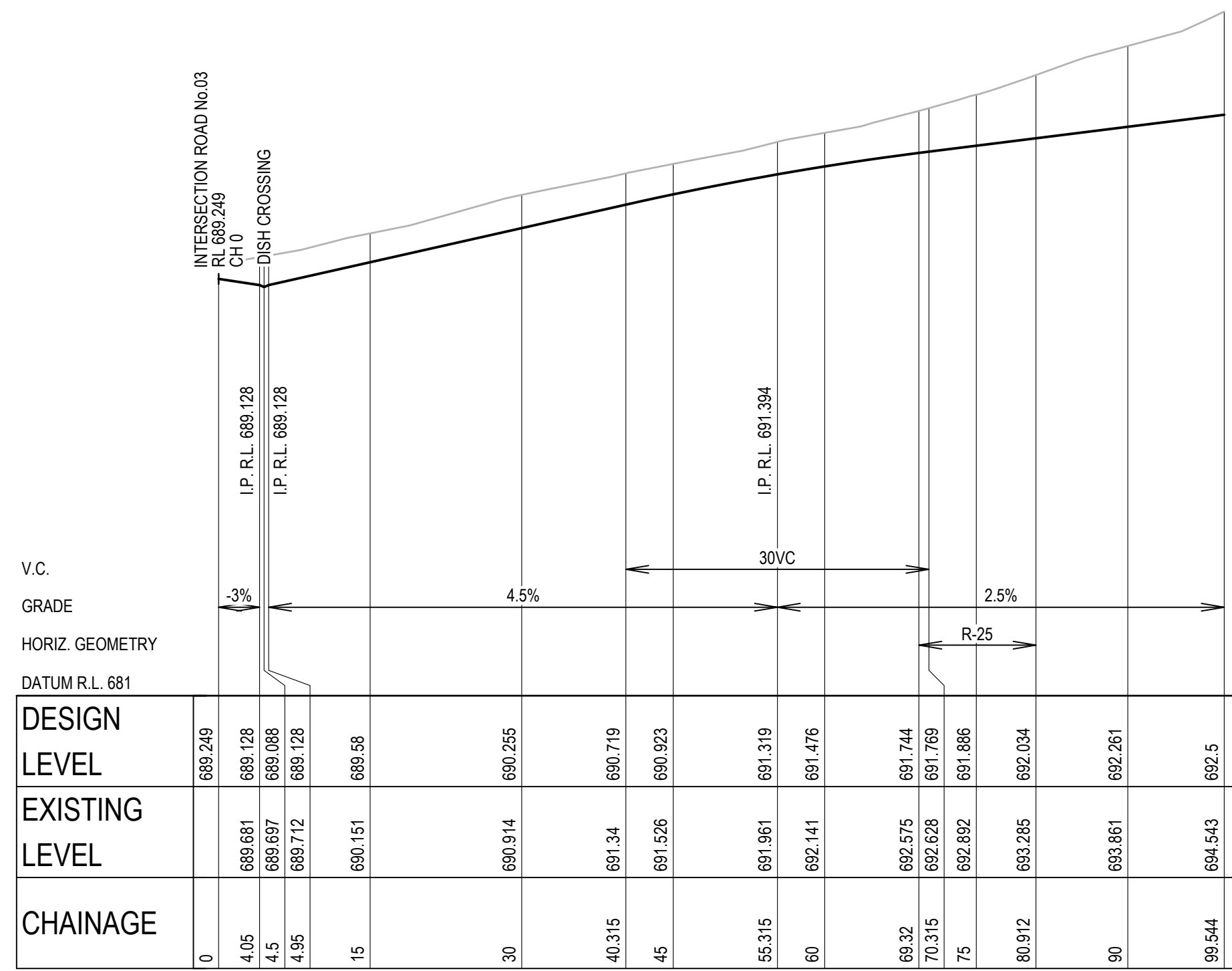
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: **ROAD LONG SECTIONS SHEET 06 OF 08**

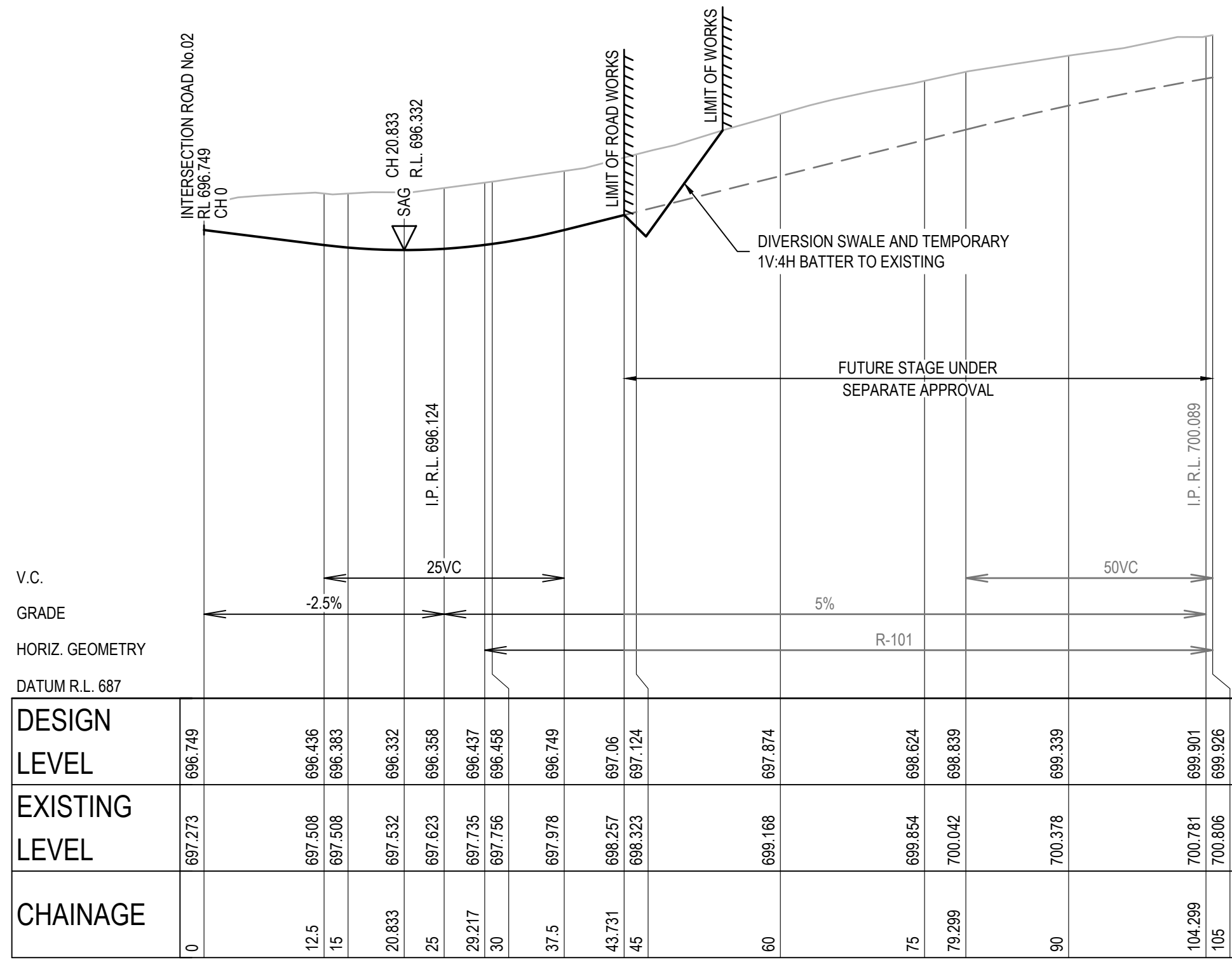
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	307	D

Project: 1 October 2020 12:26:41 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan Design\Residential Subdivision\DA\19-34 DA-307.dwg

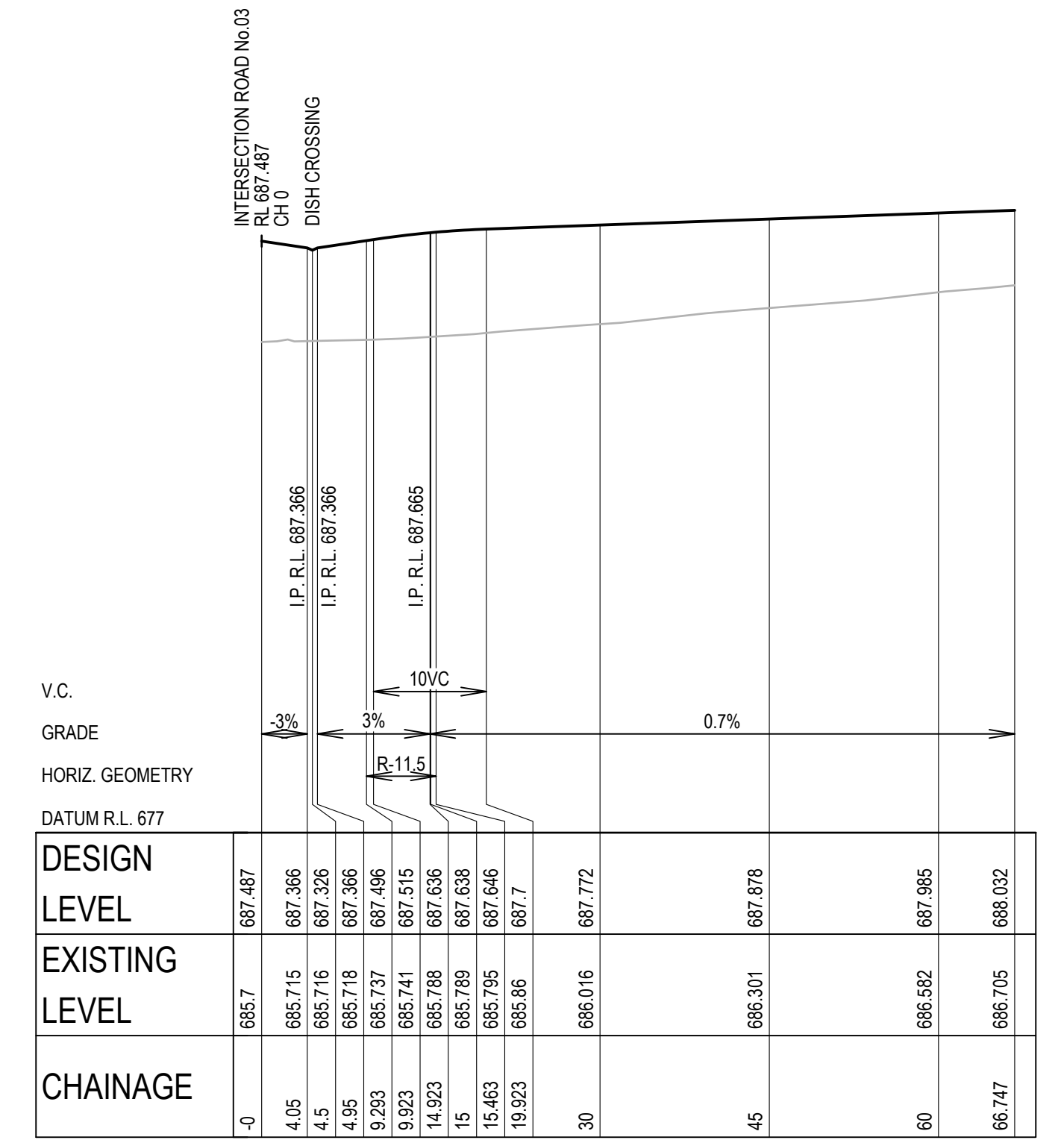
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION



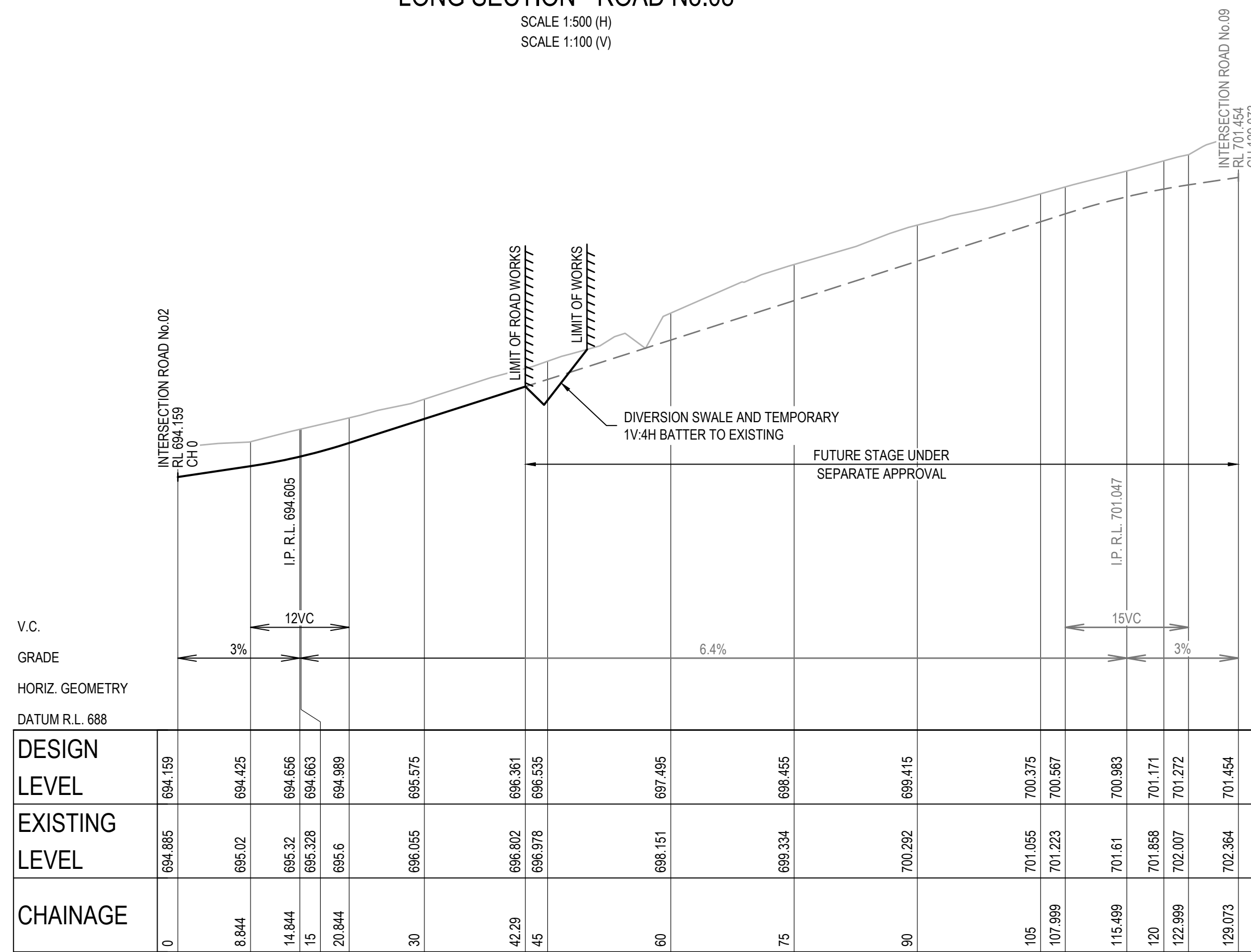
LONG SECTION - ROAD No.08
SCALE 1:500 (H)
SCALE 1:100 (V)



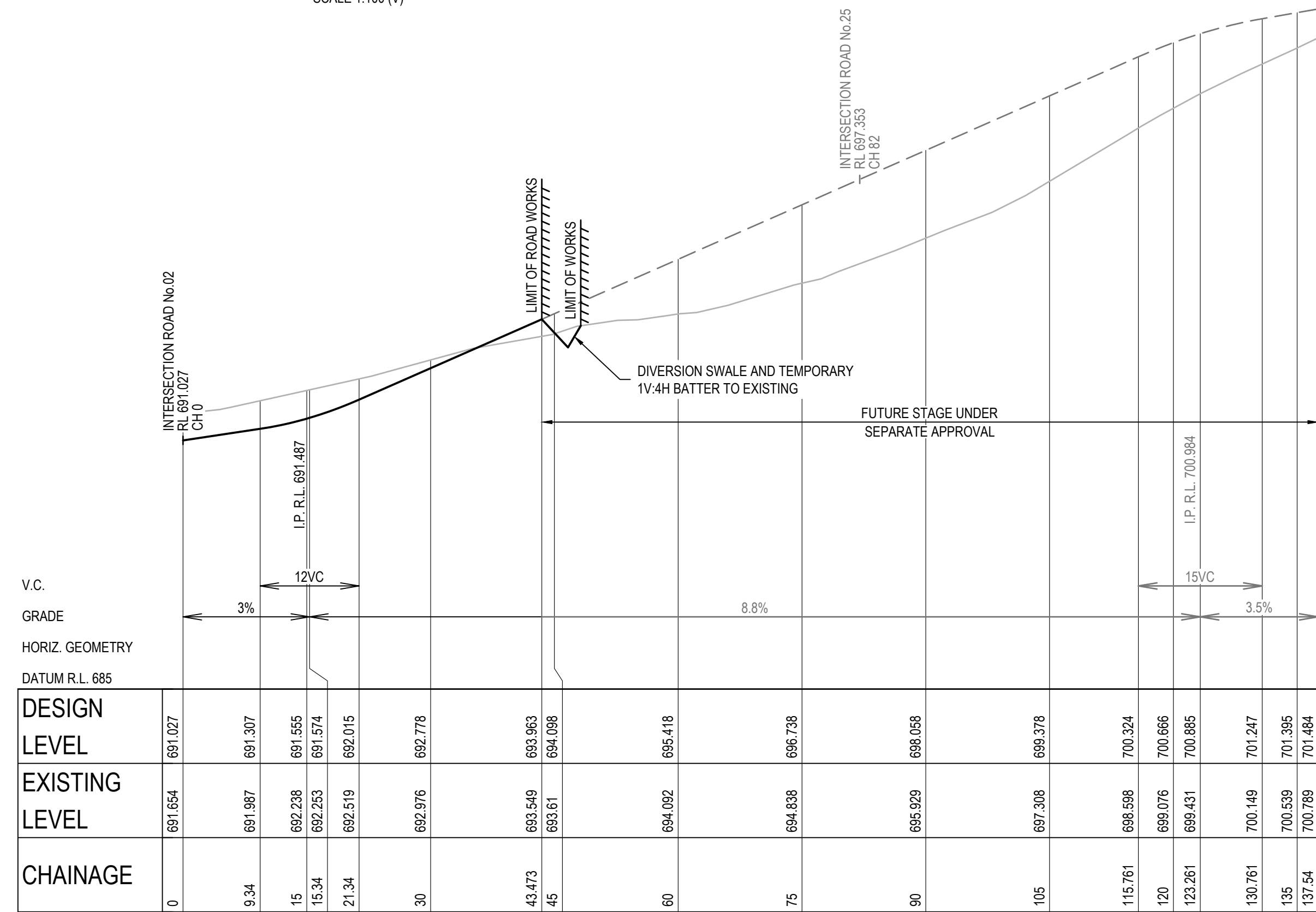
LONG SECTION - ROAD No.09
SCALE 1:500 (H)
SCALE 1:100 (V)



LONG SECTION - ROAD No.15
SCALE 1:500 (H)
SCALE 1:100 (V)



LONG SECTION - ROAD No.10
SCALE 1:500 (H)
SCALE 1:100 (V)



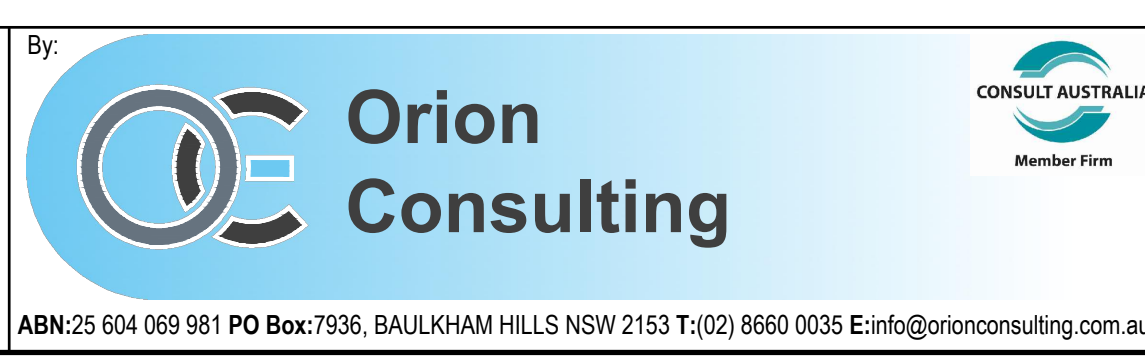
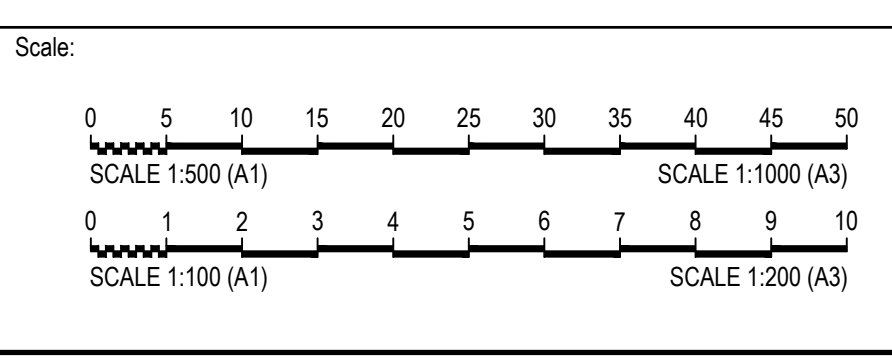
LONG SECTION - ROAD No.11
SCALE 1:500 (H)
SCALE 1:100 (V)

ISSUED FOR DEVELOPMENT APPLICATION
NOT FOR CONSTRUCTION

Project: 1 October 2020 12:26:50 PM File Name: O:\Projects\20191030 Moss Vale Stage 1 DA & BE Masterplan Design\Residential Subdivision\DA\34\DA_308.dwg

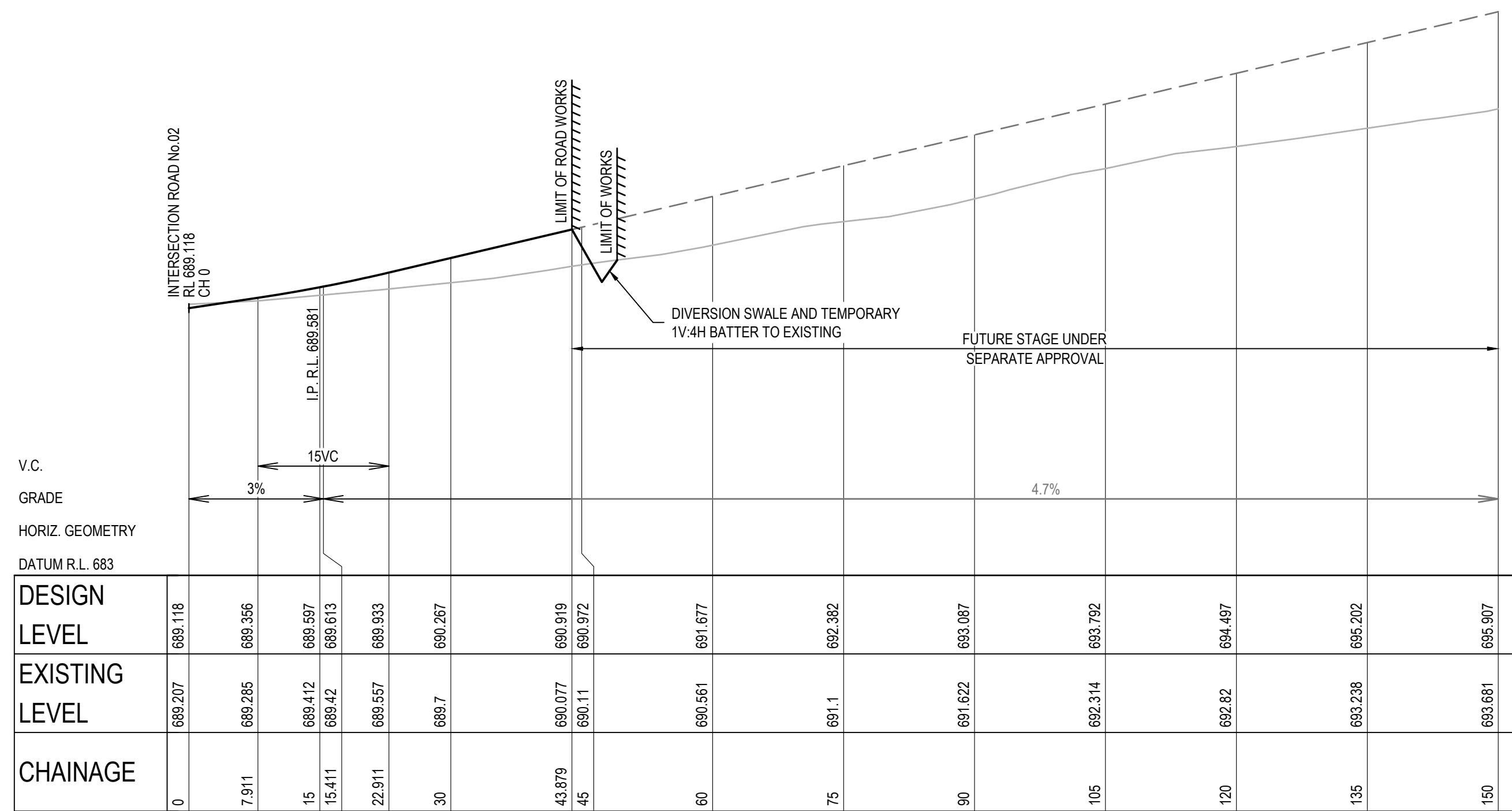
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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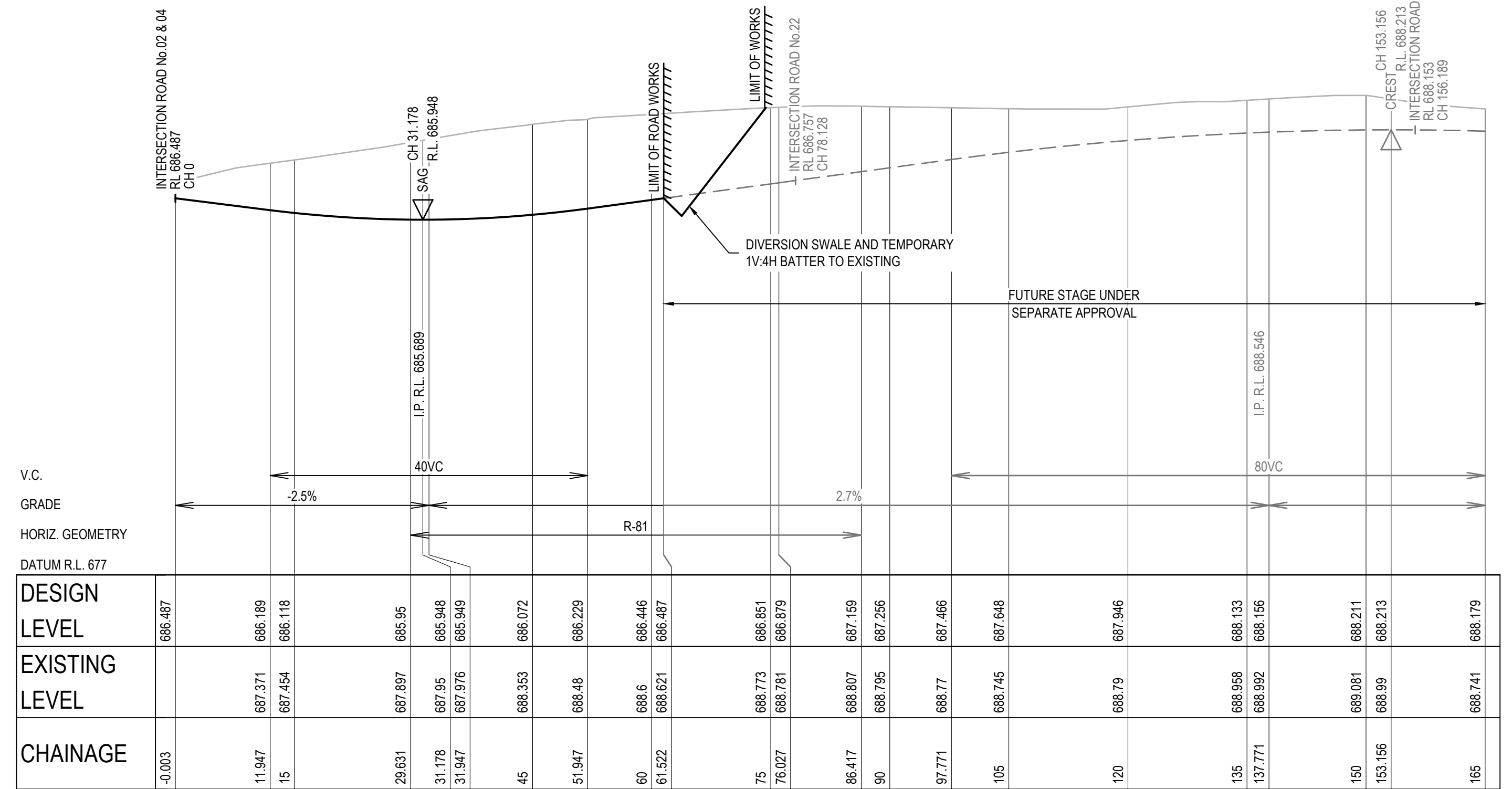


Project: STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

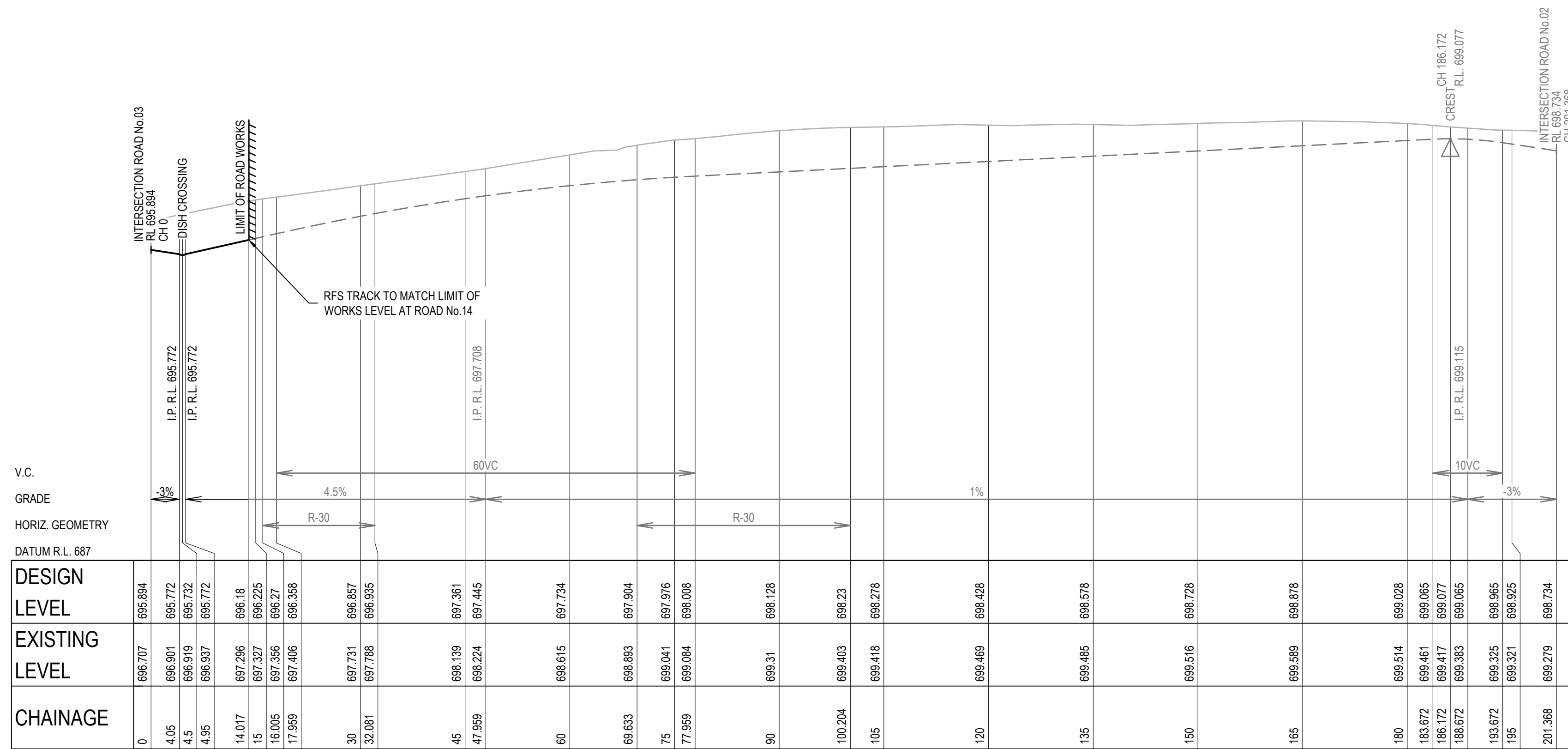
Title: ROAD LONG SECTIONS SHEET 07 OF 08	
Project No. 19-34	Set No. 01
Milestone DA	Plan 308
Revision D	



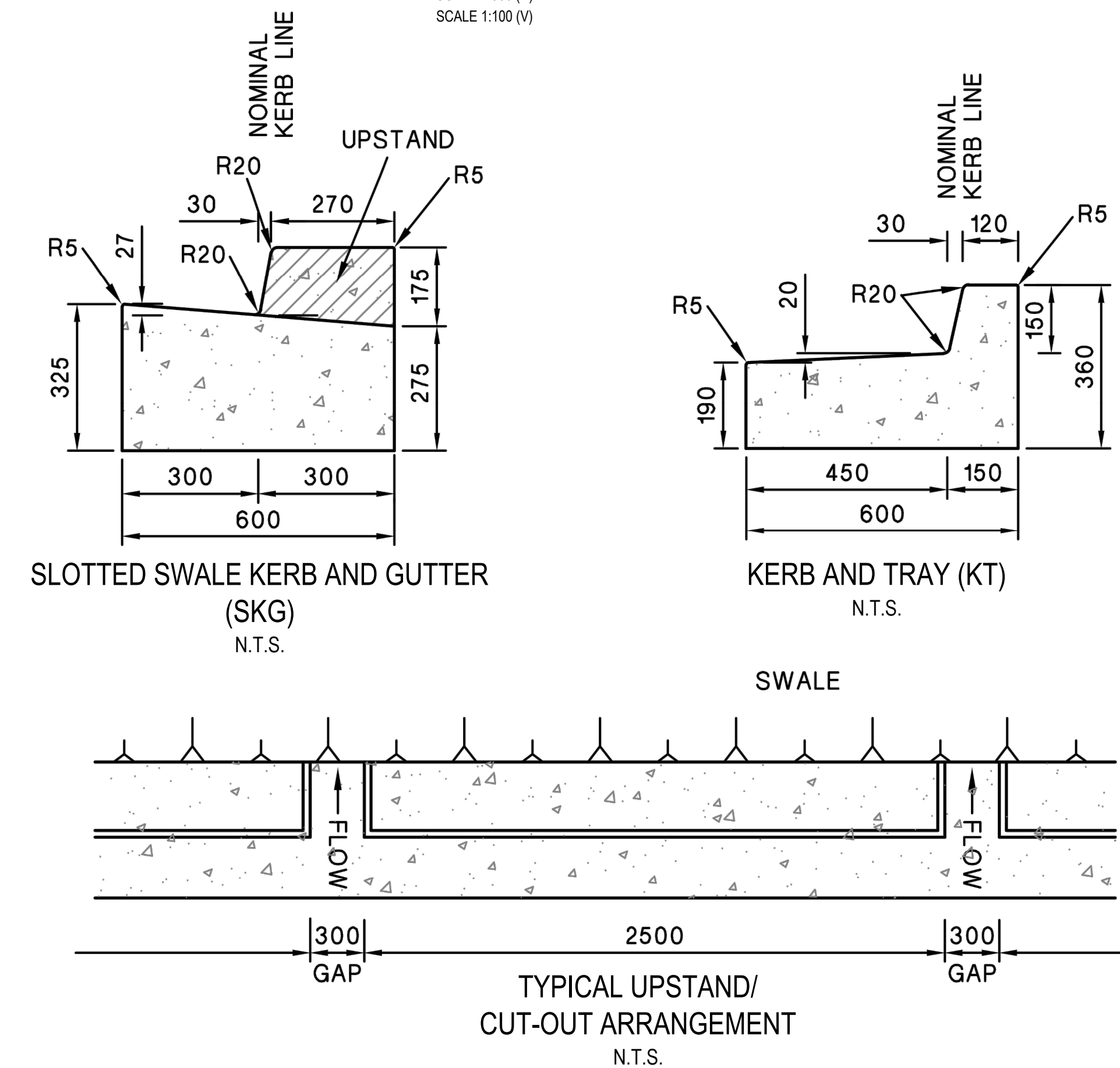
LONG SECTION - ROAD No.12
SCALE 1:500 (H)
SCALE 1:100 (V)



LONG SECTION - ROAD No.13
SCALE 1:500 (H)
SCALE 1:100 (V)



LONG SECTION - ROAD No.14
SCALE 1:500 (H)
SCALE 1:100 (V)

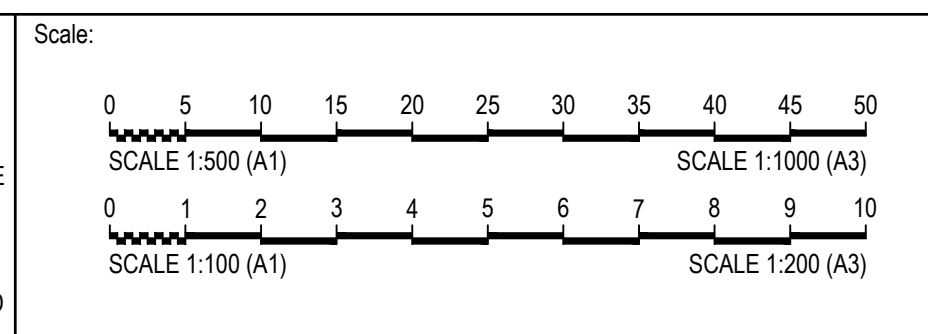


ISSUED FOR **DEVELOPMENT APPLICATION**
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Project: 1 October 2020 12:28:59 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan\Design\Residential\Submissions\DA\19-34 DA-309.dwg

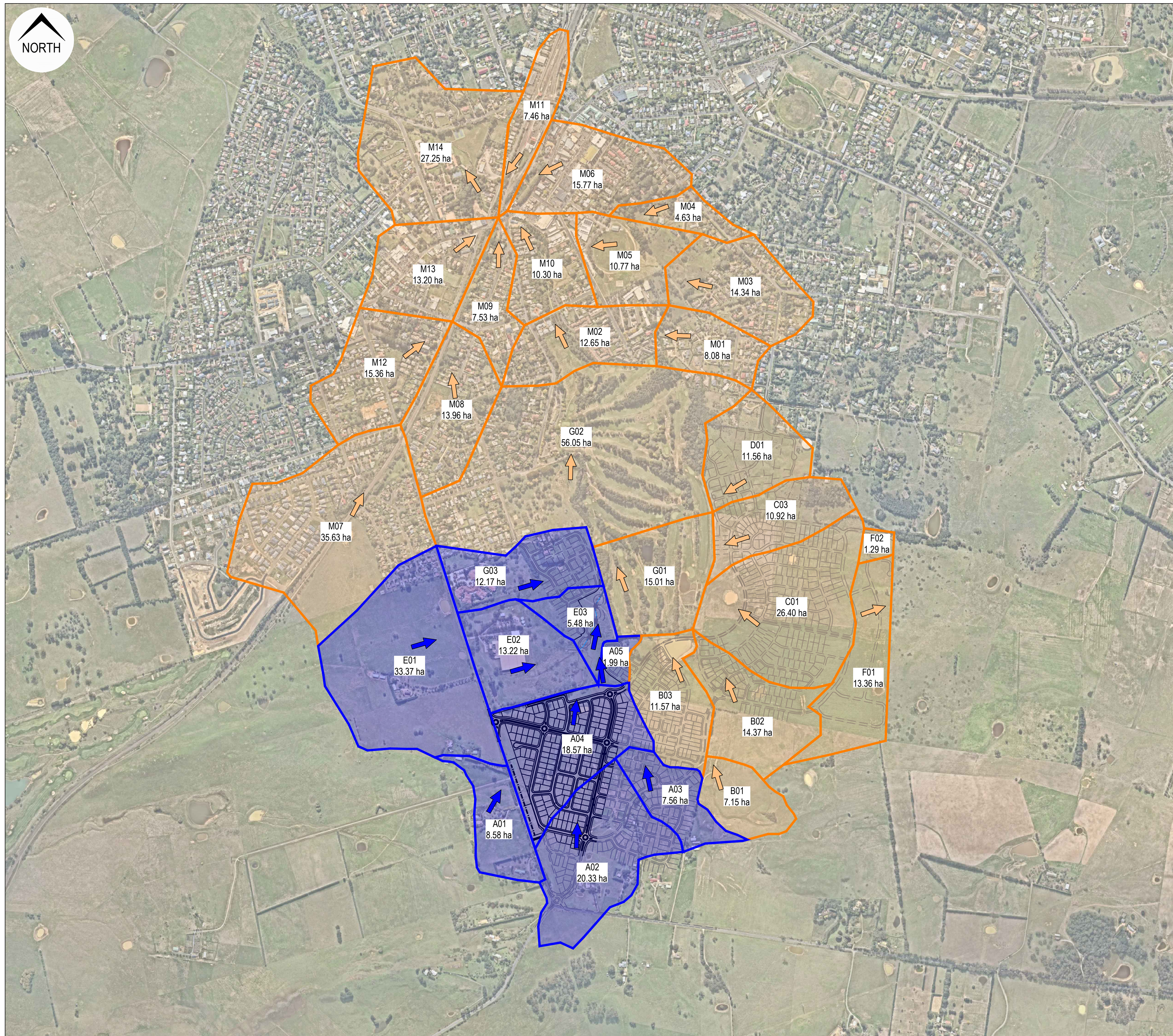
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM		30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM		09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM		06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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Project: STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	309	D

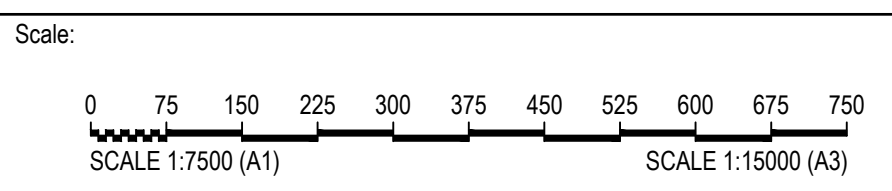


LEGEND	
EXISTING CATCHMENTS CONSIDERED IN DESIGN	
EXISTING CATCHMENTS BYPASSING RIFFLE POOL INTO CREEK	

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For:

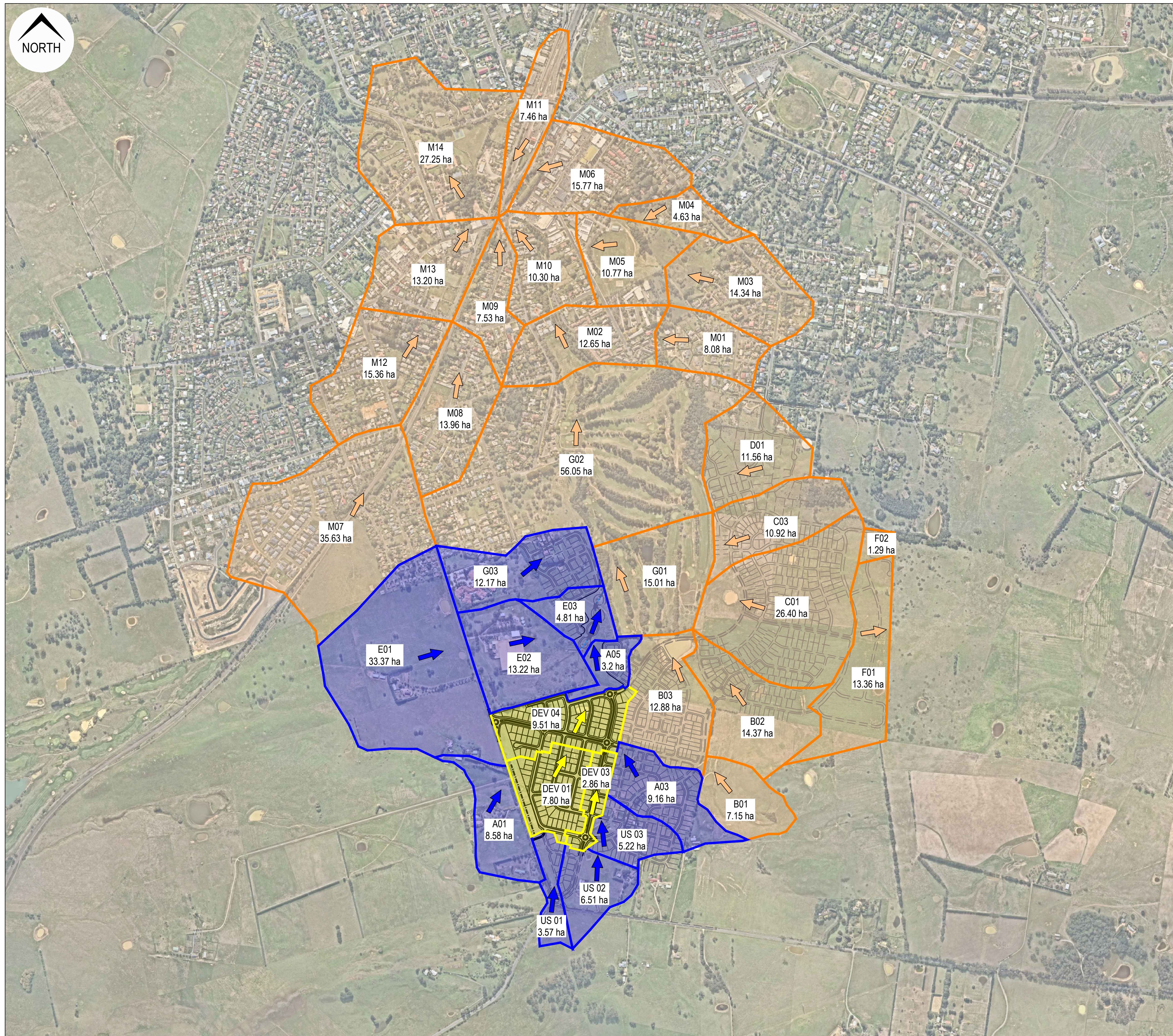
By:

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

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: PRE DEVELOPED CATCHMENT PLAN				
Project No. 19-34	Set No. 01	Milestone DA	Plan 400	Revision D

Project: October, 2020 12:26:11 PM File Name: C:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE\Masterplan\Design\Residential\Subdivision\DA\19-34 DA_400.dwg

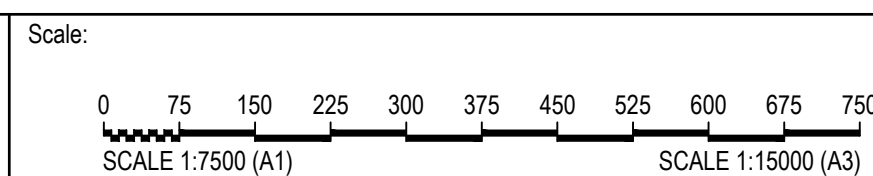


LEGEND	
EXISTING CATCHMENTS CONSIDERED IN RIFFLE POOL DESIGN	
POST DEVELOPED DESIGN CATCHMENTS	
EXISTING CATCHMENTS BYPASSING RIFFLE POOL INTO CREEK	

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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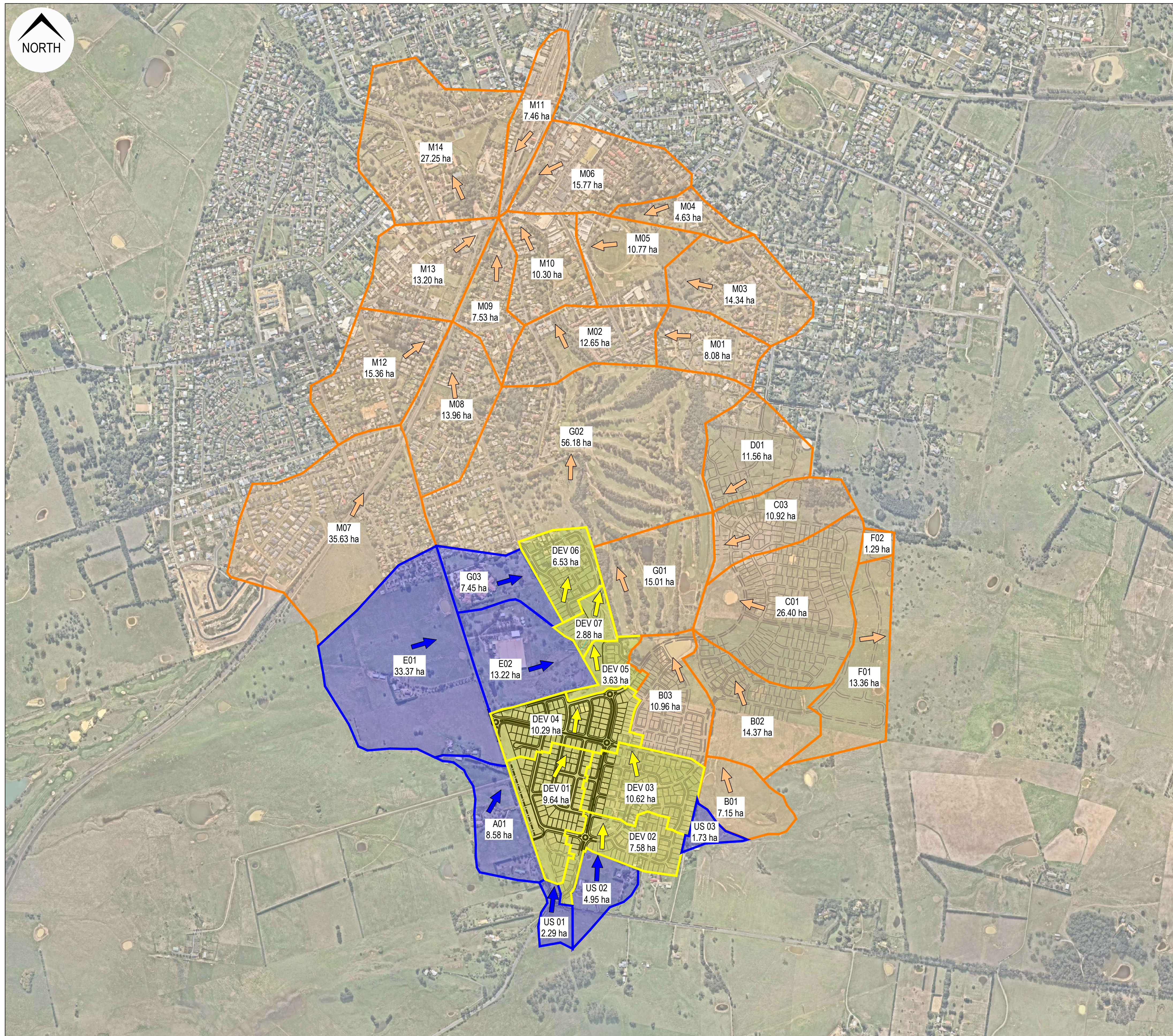
For:

By:

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

Project: STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: INTERIM POST DEVELOPED CATCHMENT PLAN				
Project No. 19-34	Set No. 01	Milestone DA	Plan 401	Revision D

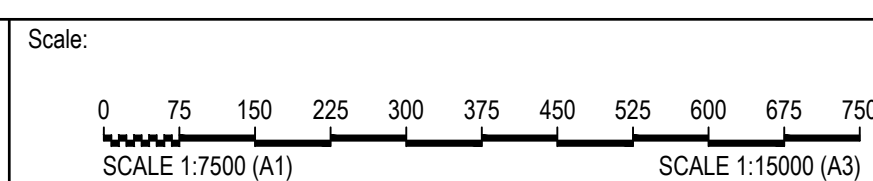


LEGEND	
EXISTING CATCHMENTS CONSIDERED IN RIFFLE POOL DESIGN	
POST DEVELOPED DESIGN CATCHMENTS	
EXISTING CATCHMENTS BYPASSING RIFFLE POOL INTO CREEK	

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For:

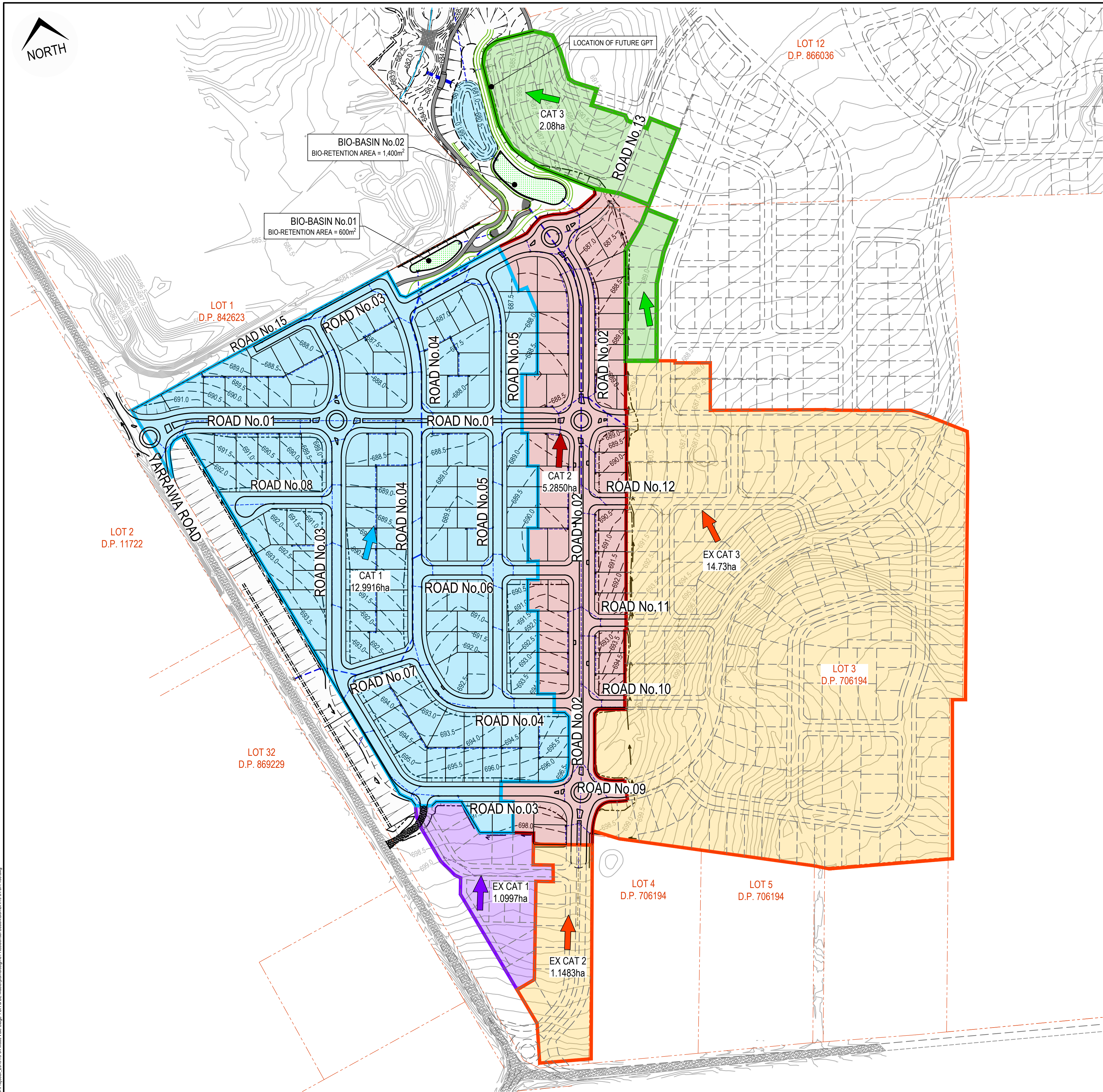
By:

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

Project:

STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: ULTIMATE POST DEVELOPED CATCHMENT PLAN				
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	402	D



LEGEND

CATCHMENT NAME & AREA	1/1 0.1760ha
CONTOURS (EXISTING & DESIGN)	-10.0 - -20.0 -
DRAINAGE (EXISTING, FUTURE & DESIGN)	---
DENOTES CATCHMENT AREA DRAINING TO BIO-BASIN No.01	
DENOTES CATCHMENT AREA DRAINING TO BIO-BASIN No.02	
DENOTES FUTURE STAGES DRAINING TO BIO-BASIN No.02	
DENOTES FUTURE STAGES DRAINING TO BIO-BASIN No.02	
APPROXIMATE EXTENT OF CATCHMENT DRAINING TO FUTURE GPT. (NOT ABLE TO DRAIN TO BIO FACILITY)	
CATCH DRAIN / DIVERSION SWALE	

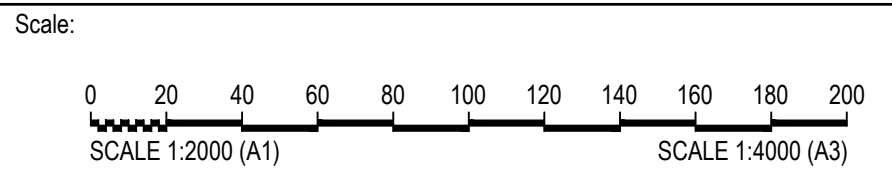
MUSIC MODELLING RESULTS

SW POLLUTANTS	TARGET (%)	RESULTS (%)
GROSS POLLUTANTS	90.0	100
TOTAL NITROGEN	45.0	58.0
TOTAL PHOSPHORUS	65.0	68.2
TOTAL SUSPENDED SOLIDS	85.0	85.0

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C1	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
B	CS	JM	MP	10/10/2019	RE-ISSUED FOR DEVELOPMENT APPLICATION
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan** building a healthy lifestyle

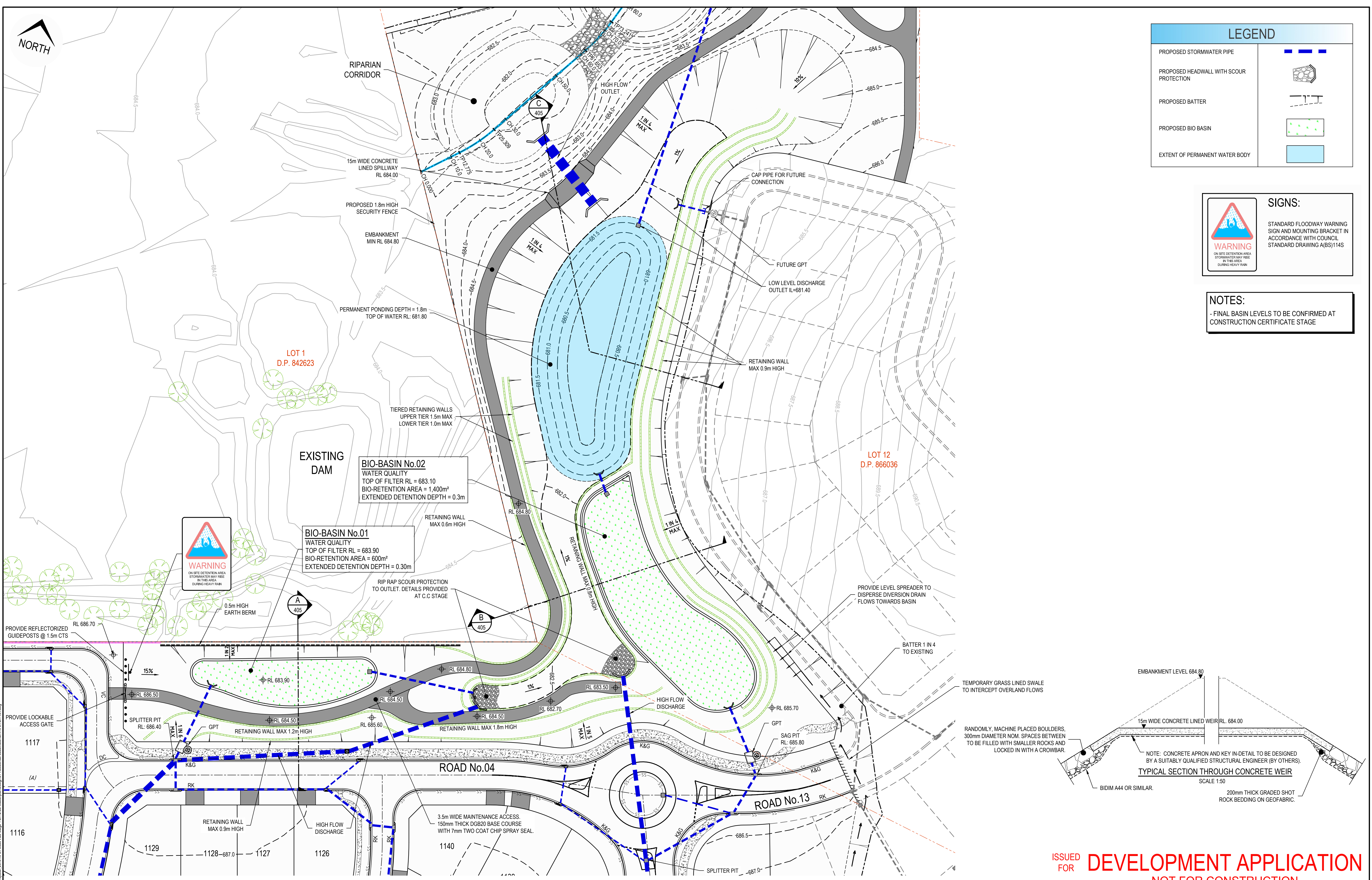
By: **Orion Consulting**
Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: **MUSIC CATCHMENT PLAN (WATER QUALITY)**

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	403	D

Project: 1 October 2020 12:28:47 PM File Name: C:\Projects\20191031_Moss Vale Stage 1\DA & BE Masterplan\Design\Residential\Subdivision\DA1934\DA_403.dwg

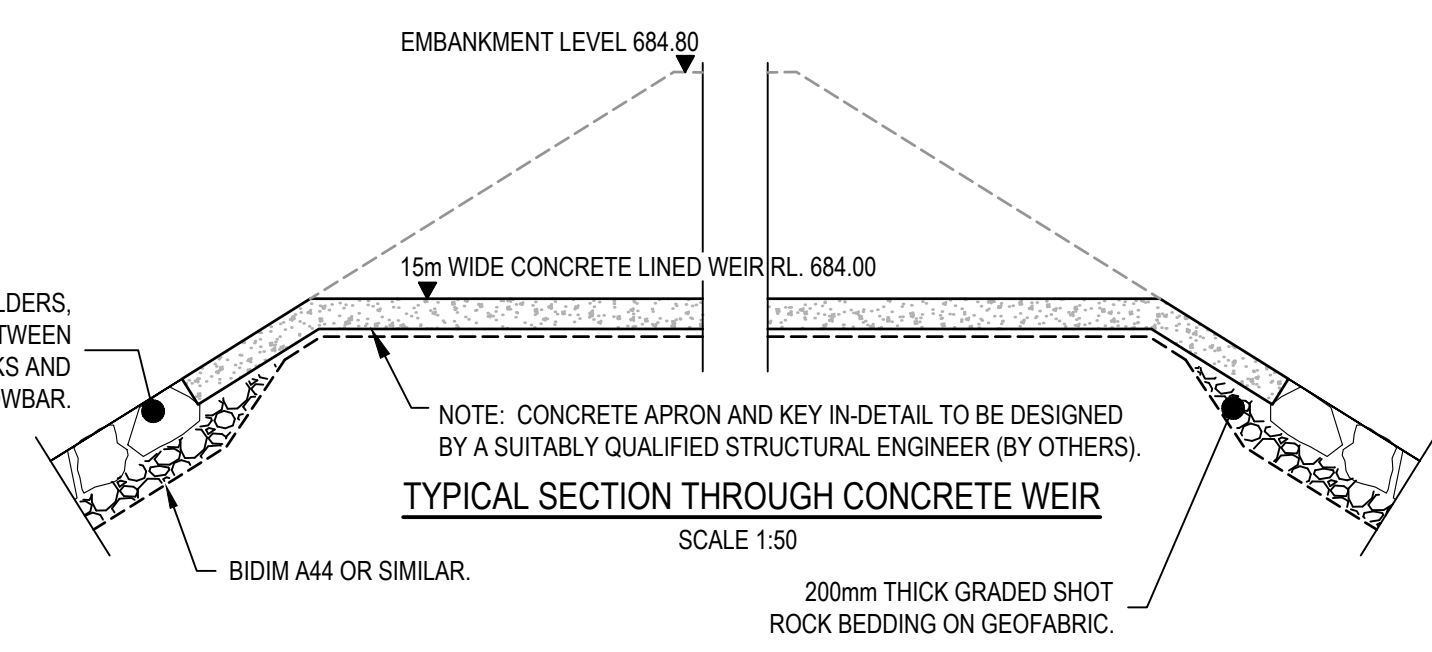


LEGEND	
PROPOSED STORMWATER PIPE	
PROPOSED HEADWALL WITH SCOUR PROTECTION	
PROPOSED BATTER	
PROPOSED BIO BASIN	
EXTENT OF PERMANENT WATER BODY	

NOTES:
- FINAL BASIN LEVELS TO BE CONFIRMED AT CONSTRUCTION CERTIFICATE STAGE

WARNINGS:
ON SITE DETENTION AREA. STORMWATER MAY RISE IN THIS AREA DURING HEAVY RAIN.

SIGNS:
STANDARD FLOODWAY WARNING SIGN AND MOUNTING BRACKET IN ACCORDANCE WITH COUNCIL STANDARD DRAWING A(BS)1145



ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM		30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM		09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM		06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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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 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)

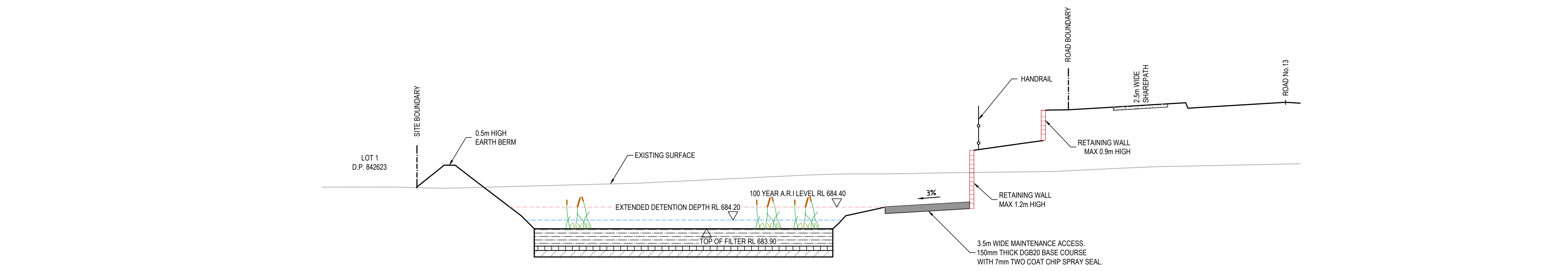
For: **Aoyuan** **Orion Consulting**

Member Firm: **CONSULT AUSTRALIA**

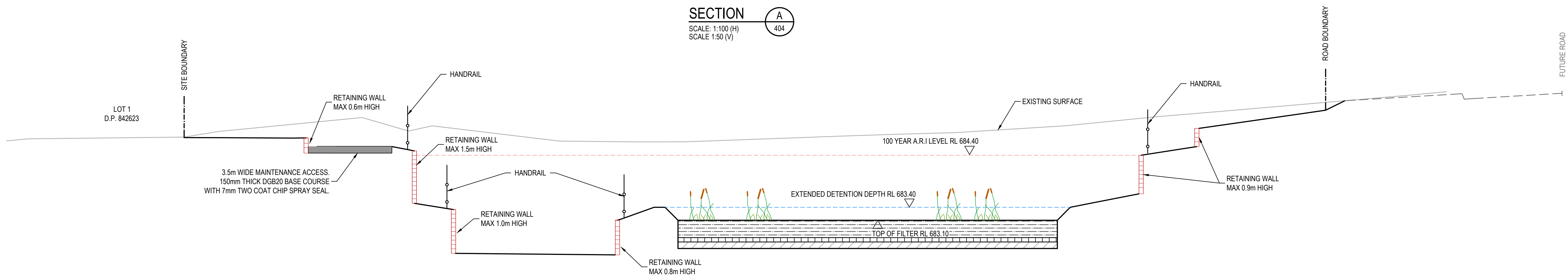
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

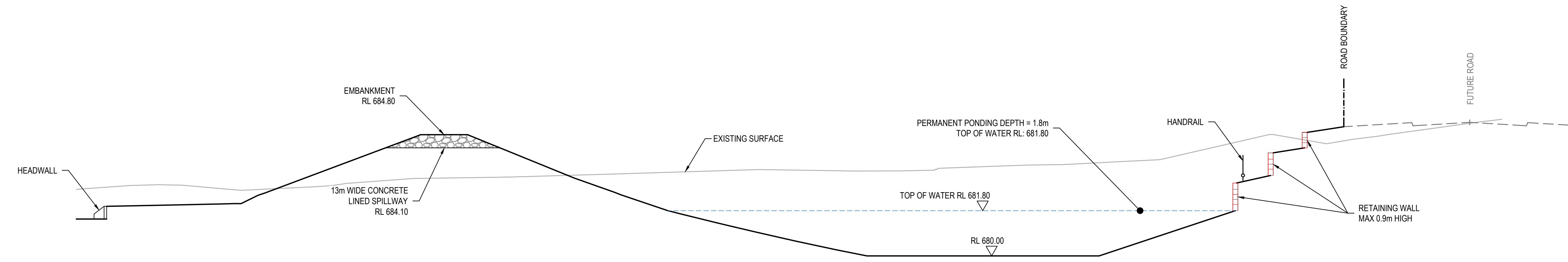
Title: BASIN LAYOUT PLAN				
Project No. 19-34	Set No. 01	Milestone DA	Plan 404	Revision D



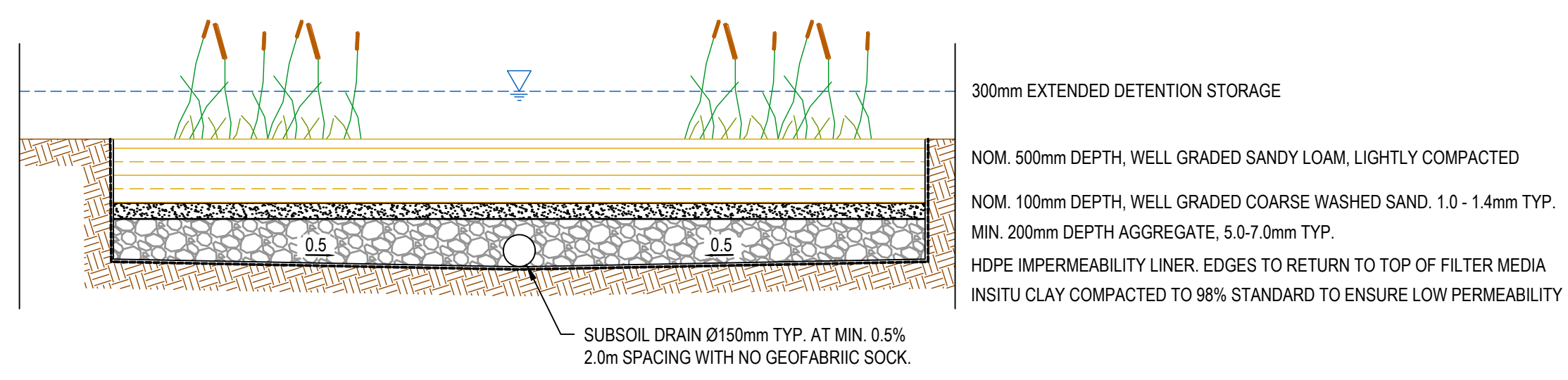
SECTION A
SCALE: 1:100 (H)
SCALE: 1:50 (V)



SECTION B
SCALE: 1:100 (H)
SCALE: 1:50 (V)



SECTION C
SCALE: 1:200 (V)
SCALE: 1:100 (H)



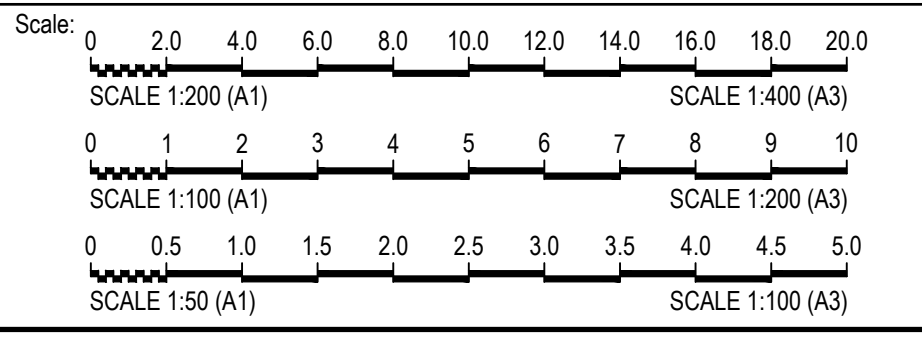
BIOFILTER MEDIA BED TYPICAL DETAIL
NOT TO SCALE

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: October 2020 12:07:08 PM File Name: C:\Projects\20191031_Moss Vale Stage 1\DA & BE_Maintenance\Design\Residential Subdivision\DA\19-34-DA-405.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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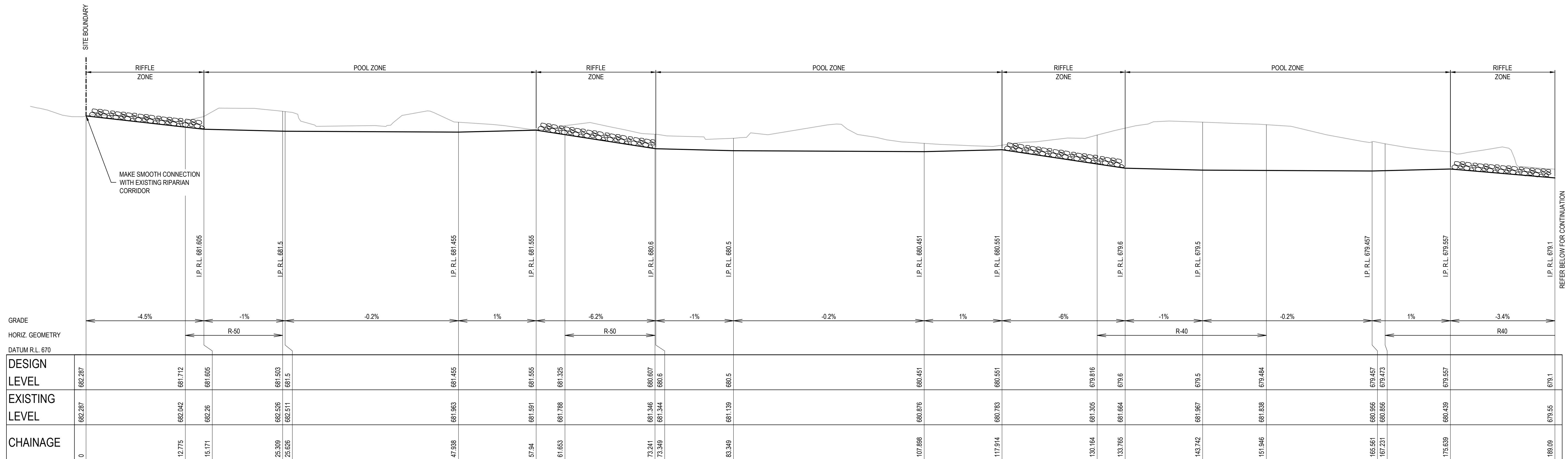


For: **Aoyuan** *building a healthy lifestyle*

By: **Orion Consulting** **CONSULT AUSTRALIA** Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

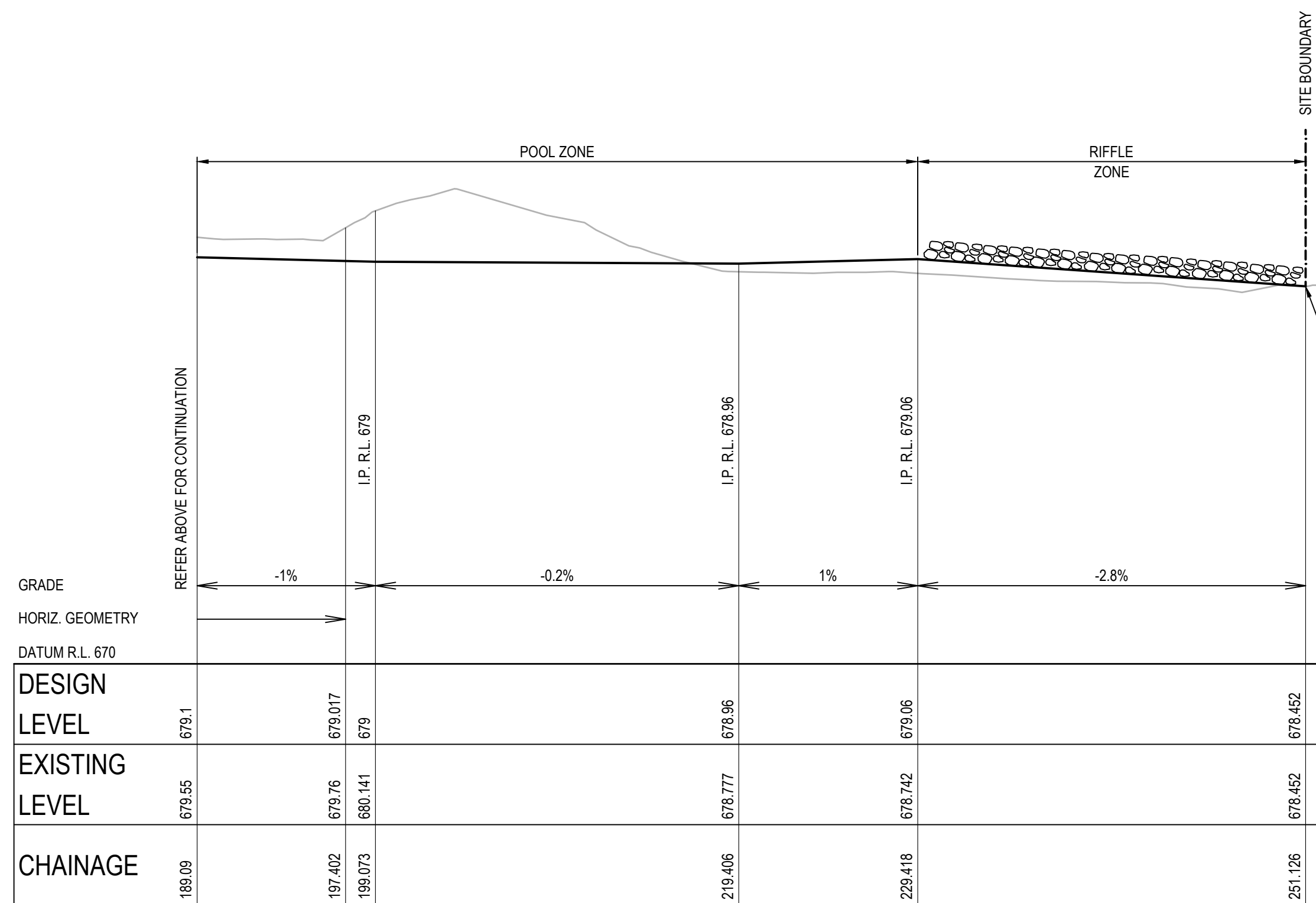
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: BASIN SECTIONS & DETAILS	
Project No. 19-34	Set No. 01
Milestone DA	Plan 405
Revision D	



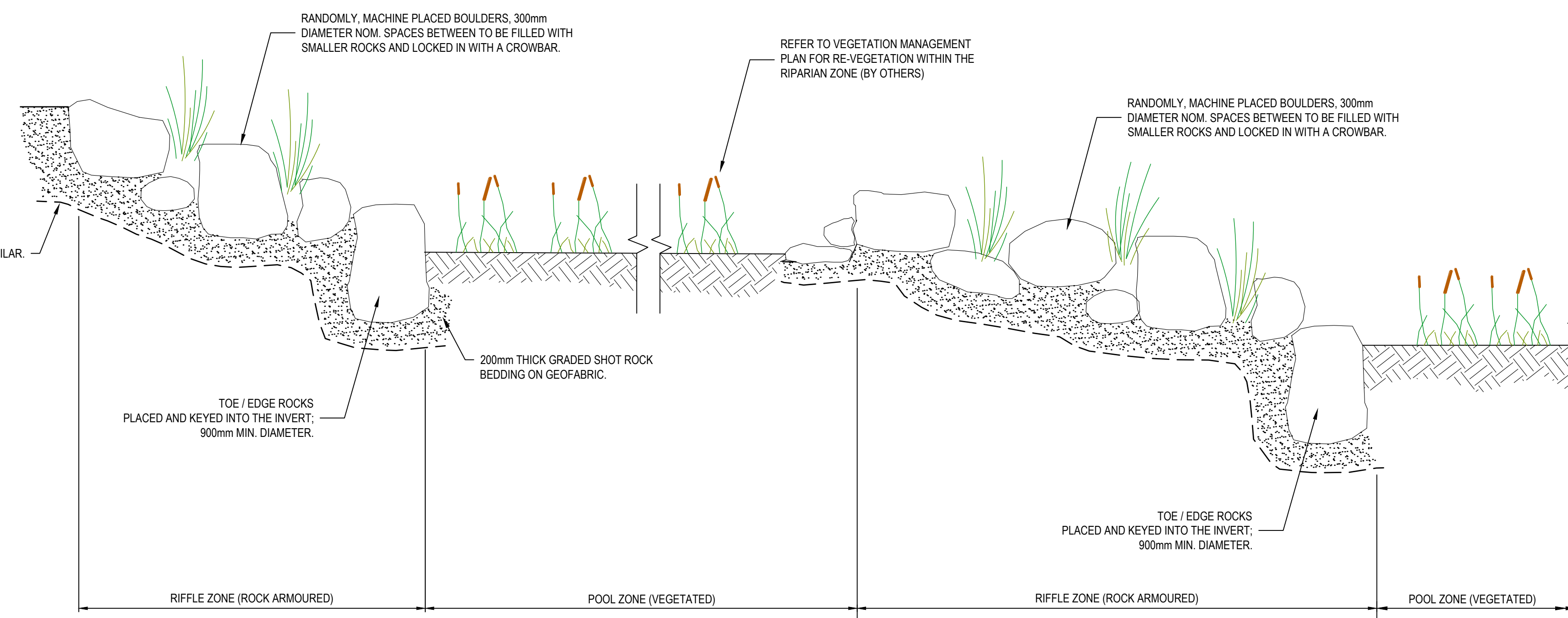
LONG SECTION - RIPARIAN CORRIDOR

SCALE 1:250 (H)
SCALE 1:100 (V)



LONG SECTION - RIPARIAN CORRIDOR

SCALE 1:250 (H)
SCALE 1:100 (V)



TYPICAL RIFFLE & POOL ZONE ARRANGEMENT

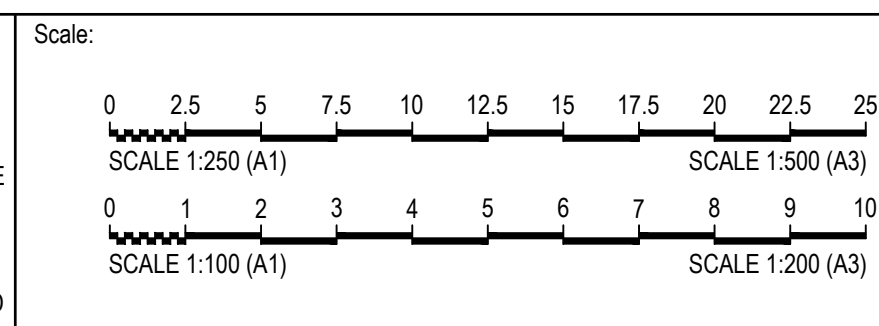
NOT TO SCALE

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: 1 October 2020 12:07:44 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan Design\Residential\Subdivision\DA\19-34 DA-406.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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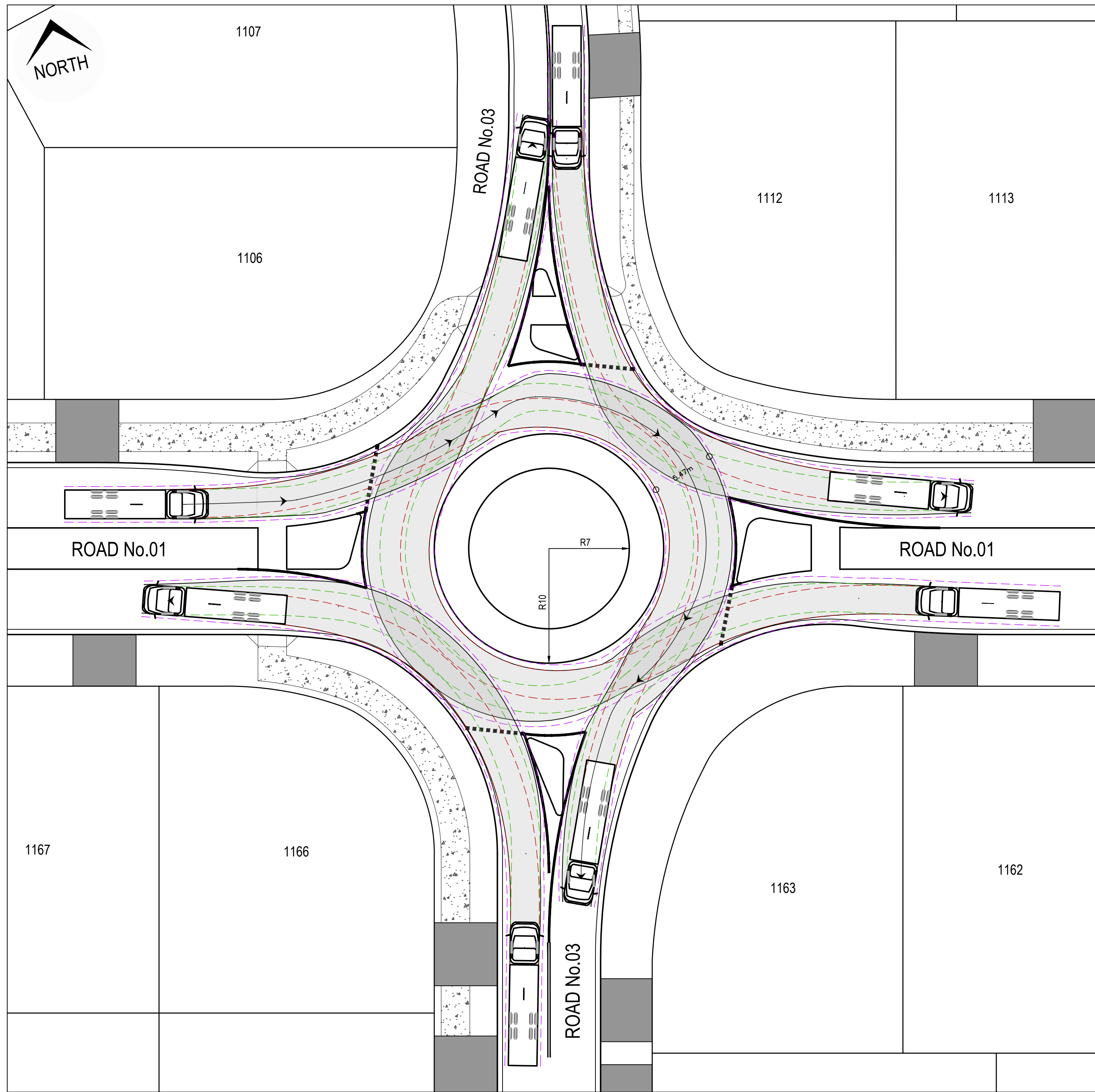
For: **Aoyuan** building a healthy lifestyle

By: **Orion Consulting**
Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

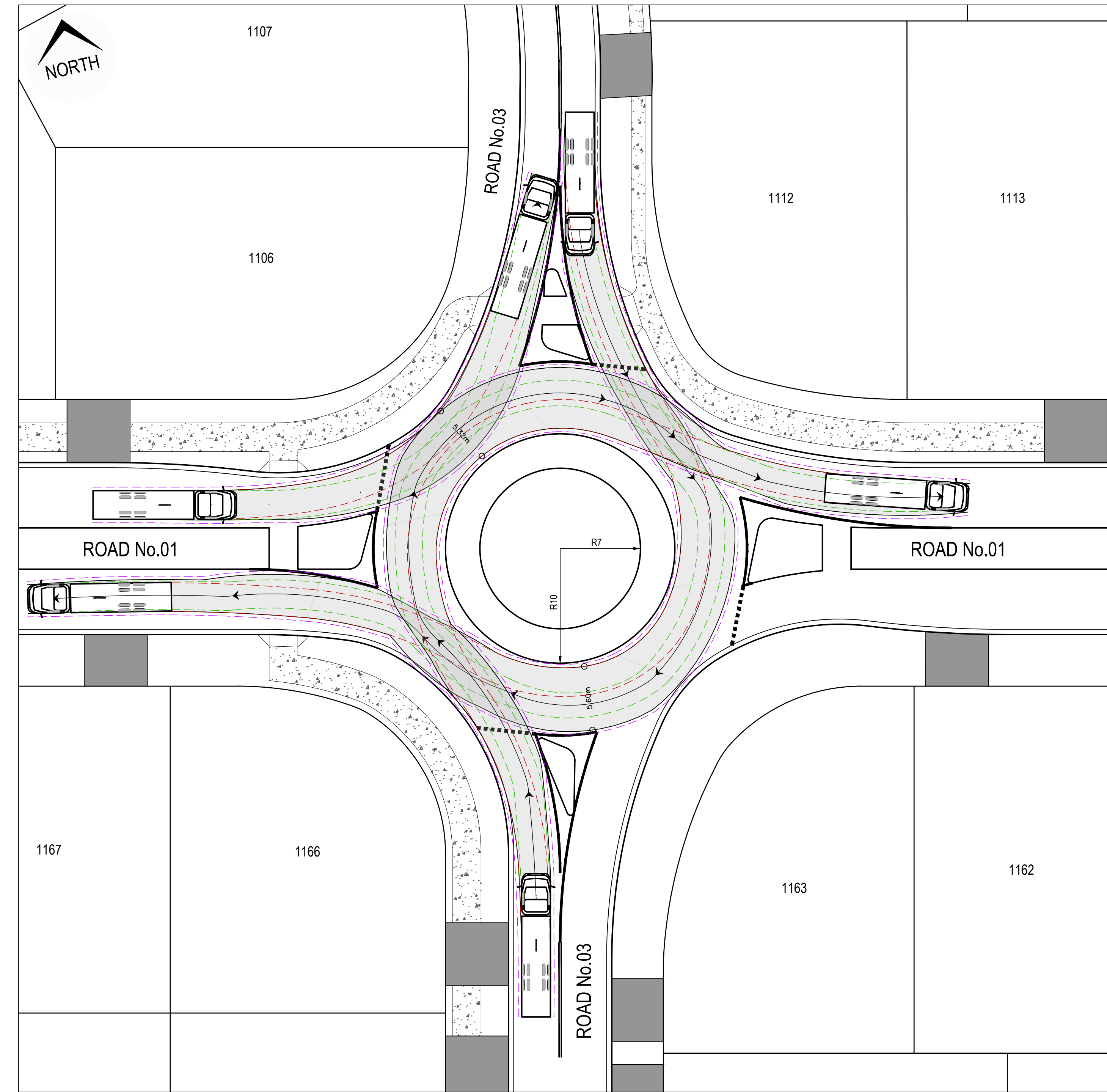
Title: **RIPARIAN CORRIDOR LONG SECTION & DETAILS**

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	406	D



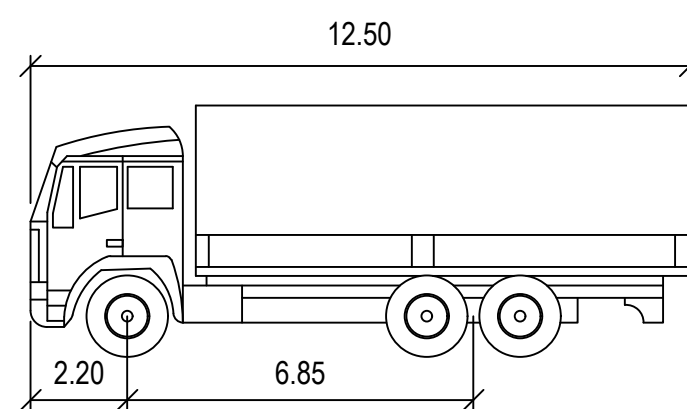
TURNPATH PLAN - 12.5m DESIGN VEHICLE

SCALE 1:250



TURNPATH PLAN - 12.5m DESIGN VEHICLE

SCALE 1:250



12.5m SU TRUCK - DESIGN VEHICLE

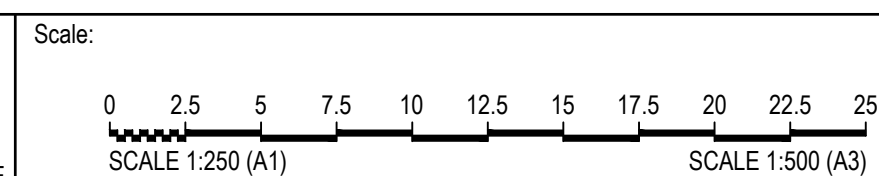
meters	
Width	: 2.50
Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 36.6

LEGEND	
DENOTES FRONT WHEEL TRACK	
DENOTES REAR WHEEL TRACK	
DENOTES 0.5m VEHICLE BODY CLEARANCE	
DENOTES VEHICLE BODY	

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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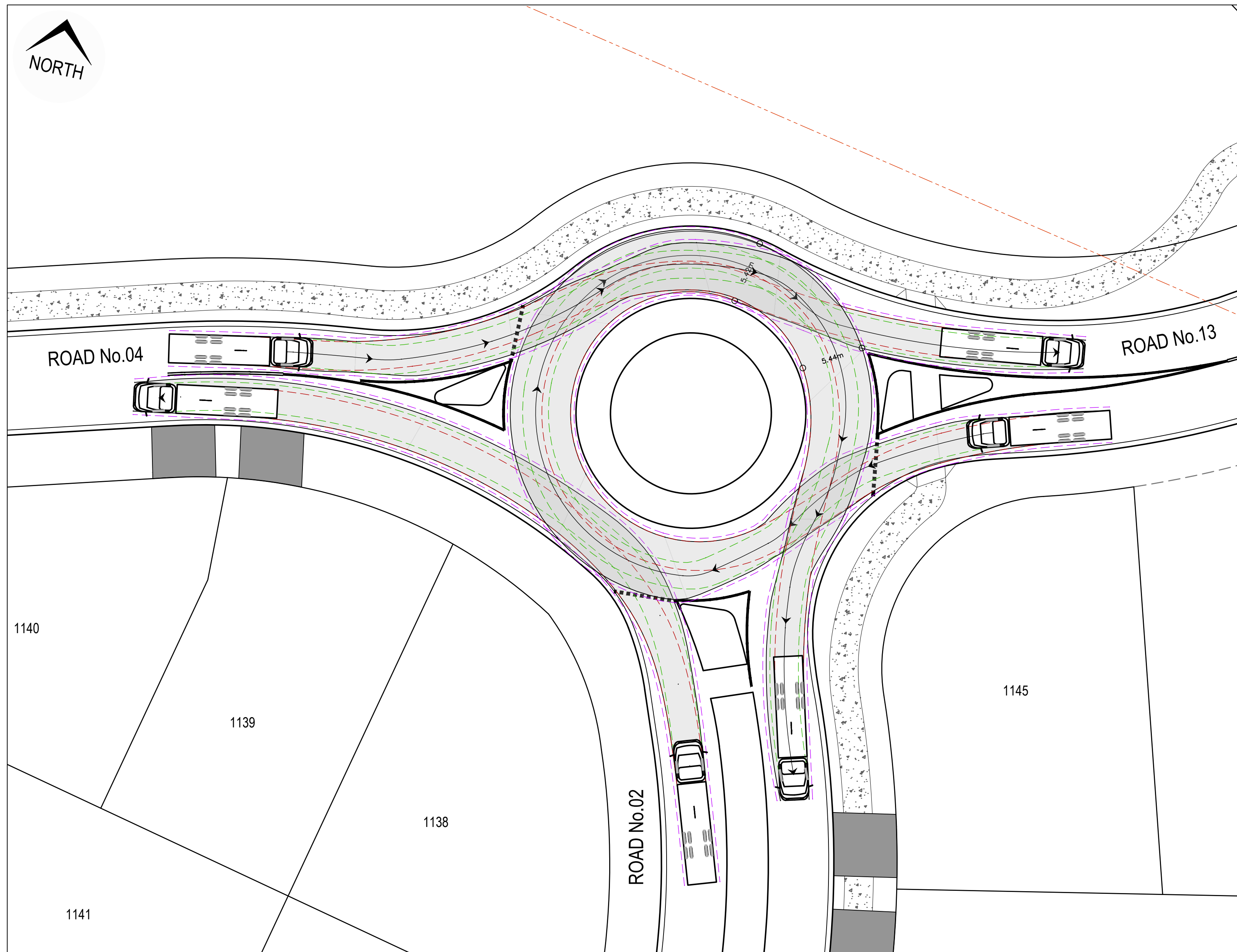


For: **Aoyuan** *building a healthy lifestyle*

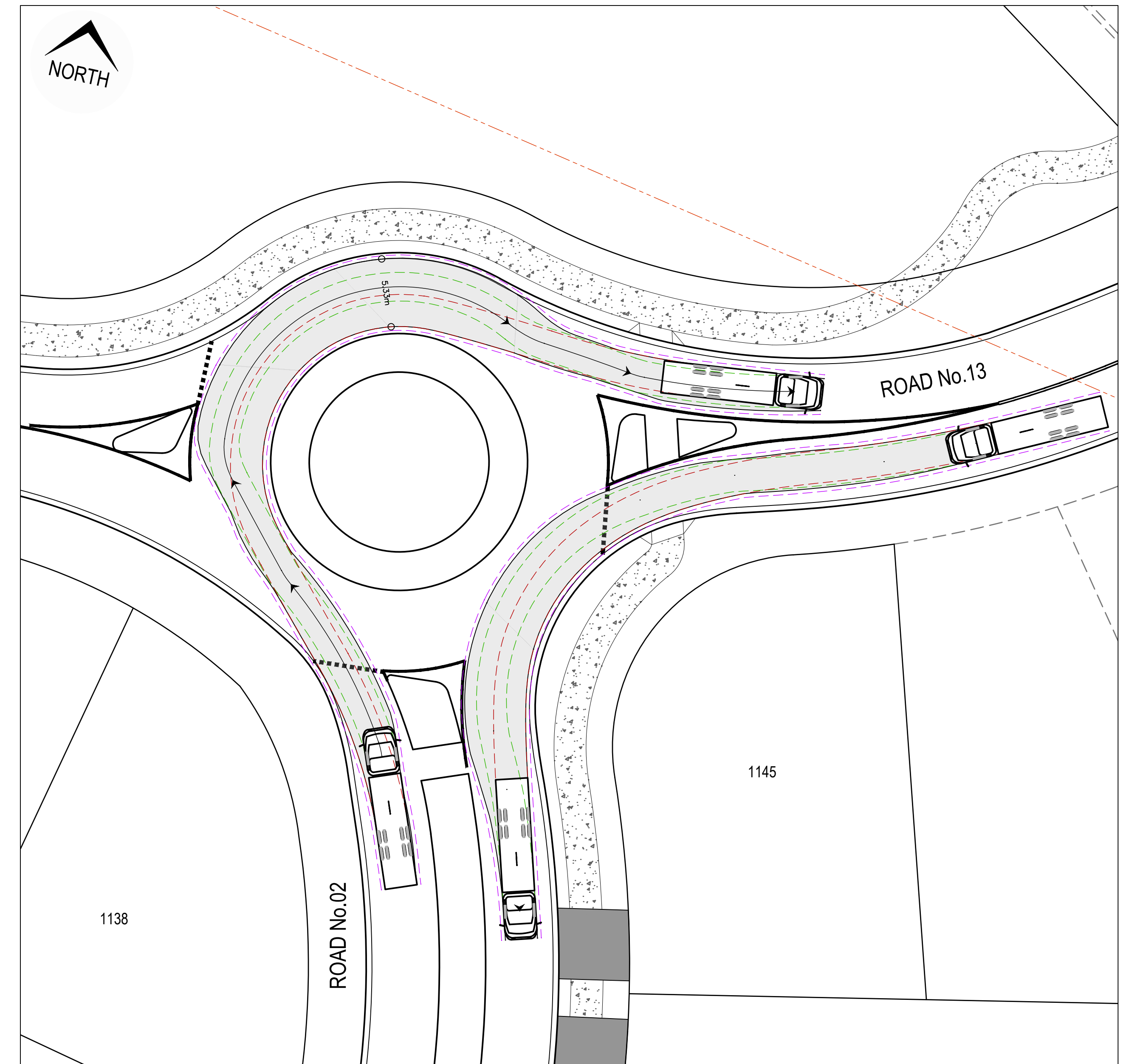
By: **Orion Consulting** CONSULT AUSTRALIA Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

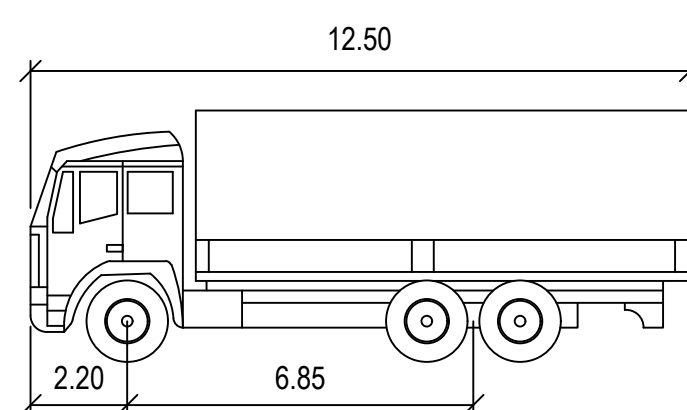
Title:		12.5M VEHICLE TURNPATH PLAN SHEET 01 OF 15			
Project No.	Set No.	Milestone	Plan	Revision	
19-34	01	DA	500	D	



TURNPATH PLAN - 12.5m DESIGN VEHICLE
SCALE 1:250



TURNPATH PLAN - 12.5m DESIGN VEHICLE
SCALE 1:250



12.5m SU TRUCK - DESIGN VEHICLE

meters

Width : 2.50

Track : 2.50

Lock to Lock Time : 6.0

Steering Angle : 36.6

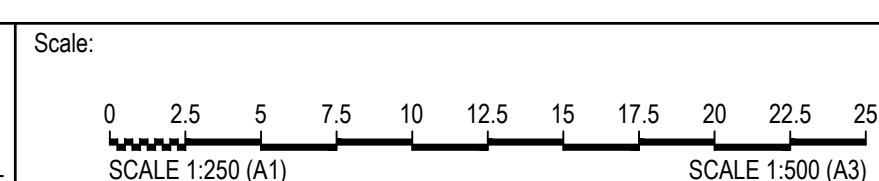
LEGEND	
DENOTES FRONT WHEEL TRACK	--- (green dashed line)
DENOTES REAR WHEEL TRACK	--- (red dashed line)
DENOTES 0.5m VEHICLE BODY CLEARANCE	--- (purple dashed line)
DENOTES VEHICLE BODY	█ (grey solid block)

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: 1 October 2020 12:20:40 PM File Name: C:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan Design\19-34 DA-501.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

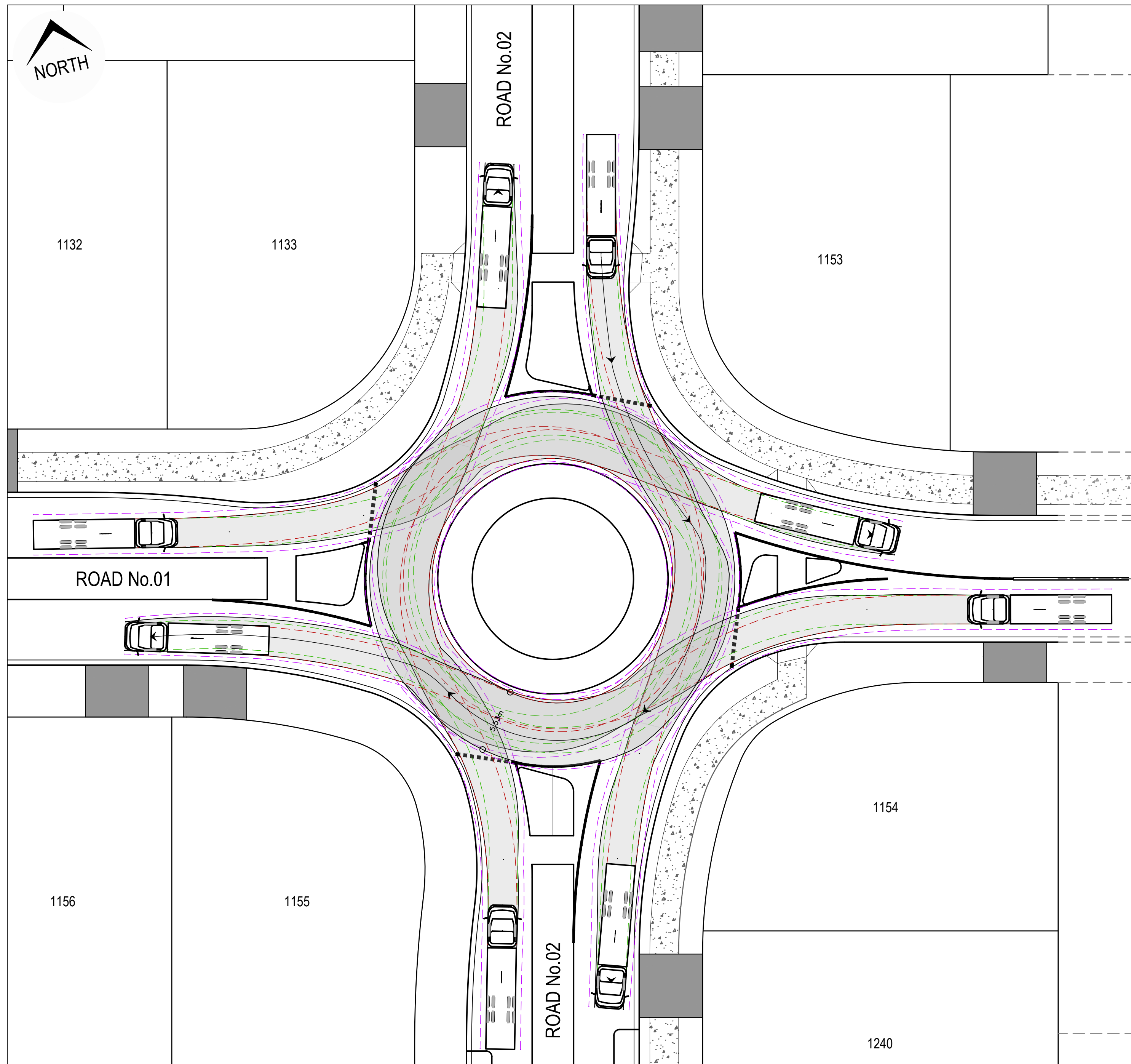
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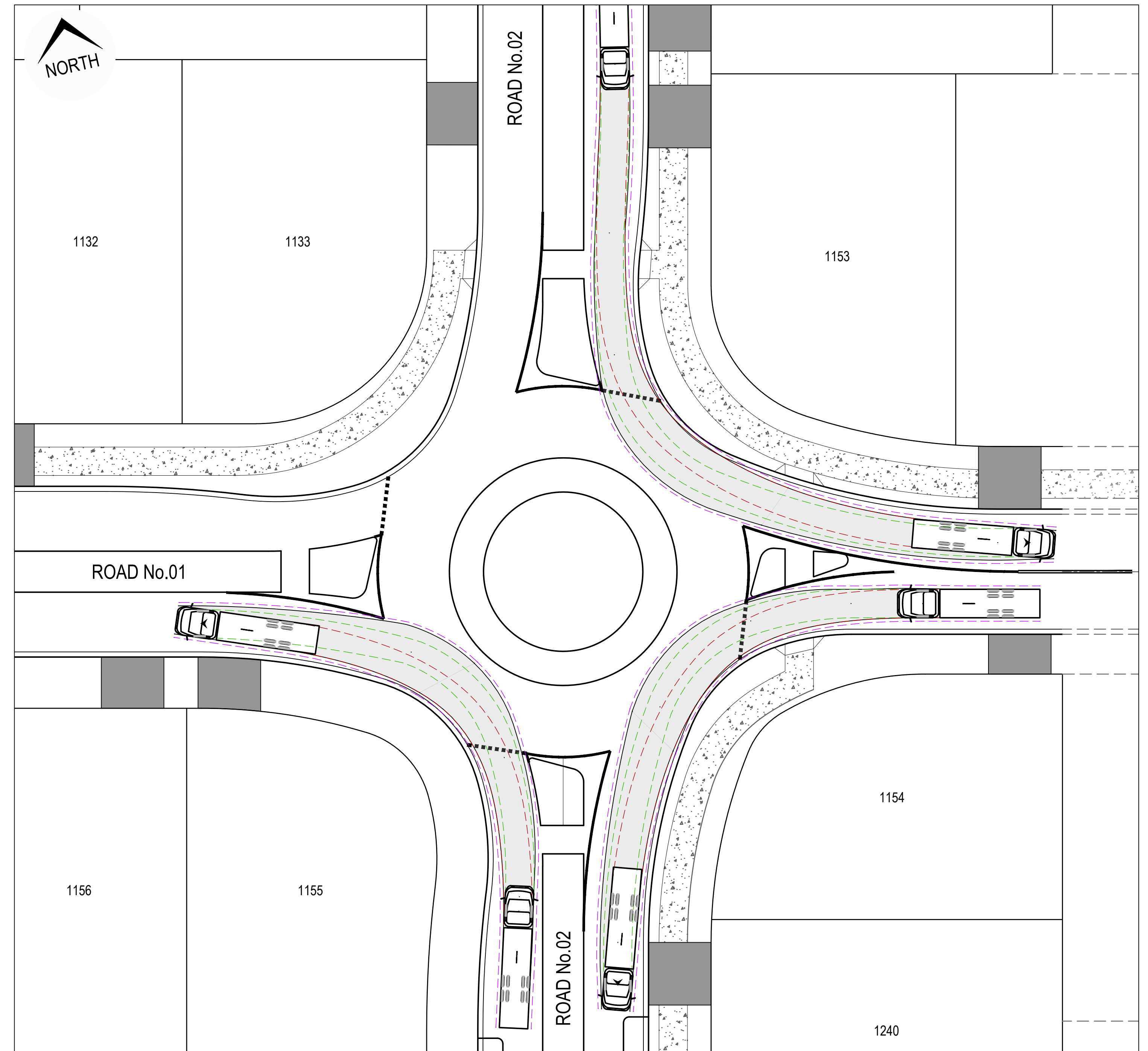
By: Orion Consulting
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

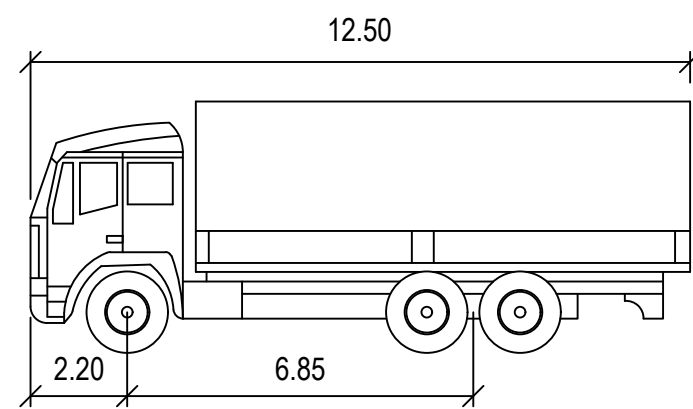
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	501	D



TURNPATH PLAN - 12.5m DESIGN VEHICLE
SCALE 1:250



TURNPATH PLAN - 12.5m DESIGN VEHICLE
SCALE 1:250



12.5m SU TRUCK - DESIGN VEHICLE

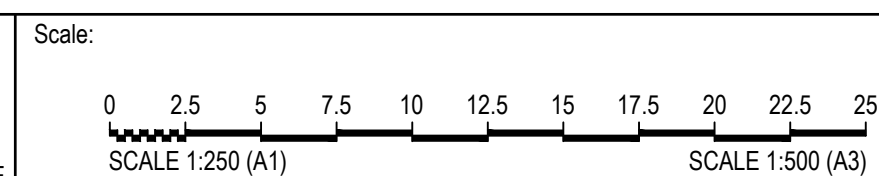
	metres
Width	: 2.20
Track	: 6.85
Lock to Lock Time	: 6.0
Steering Angle	: 36.6

LEGEND	
DENOTES FRONT WHEEL TRACK	
DENOTES REAR WHEEL TRACK	
DENOTES 0.5m VEHICLE BODY CLEARANCE	
DENOTES VEHICLE BODY	

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

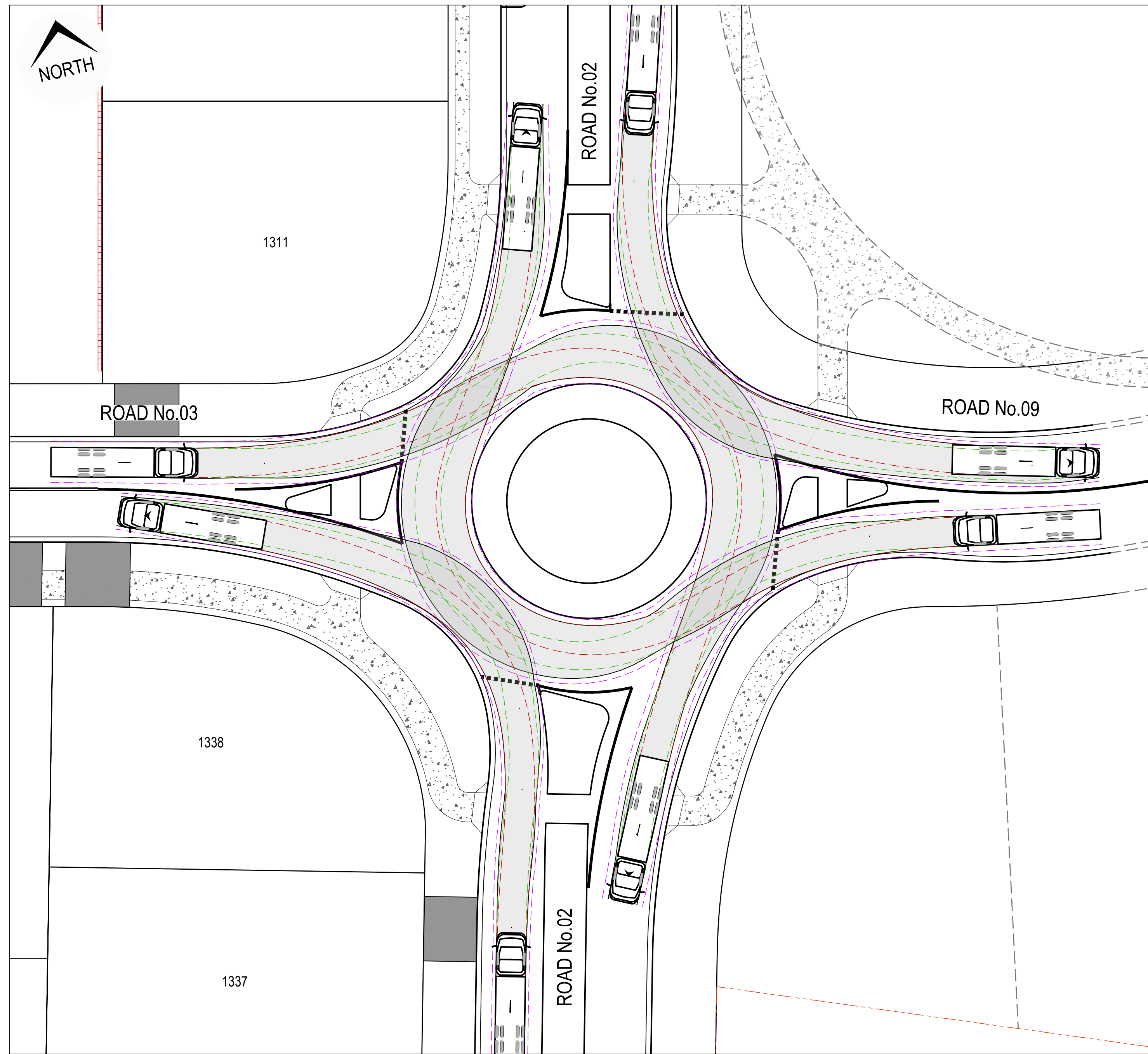
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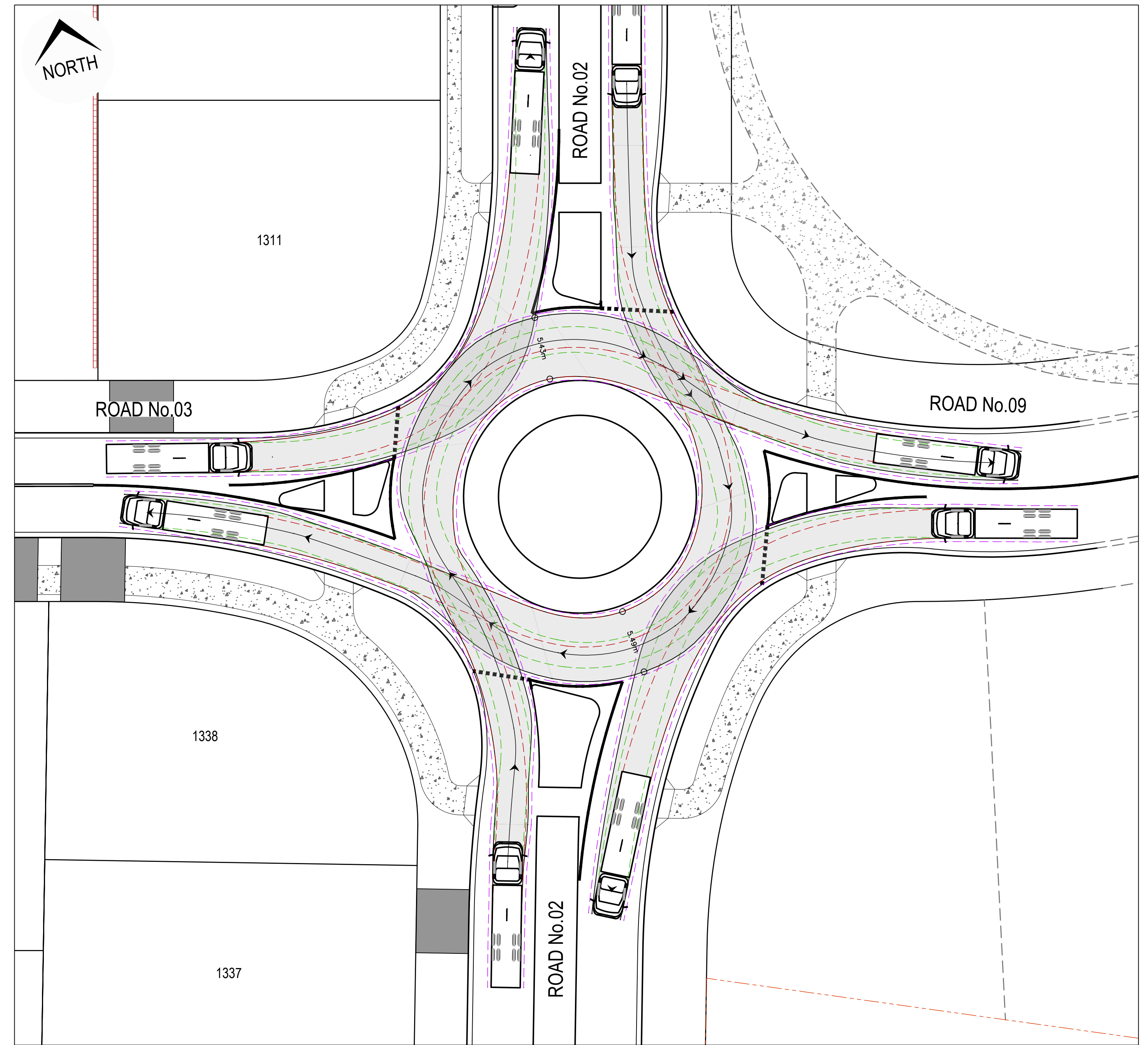
By: Orion Consulting
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Project: STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

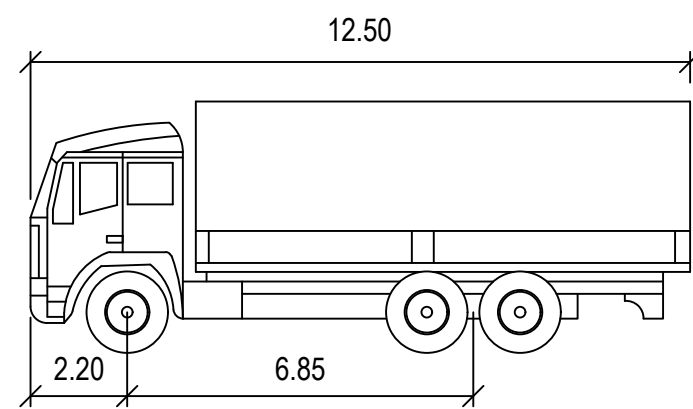
Title: 12.5M VEHICLE TURNPATH PLAN SHEET 03 OF 15	
Project No. 19-34	Set No. 01
Milestone DA	Plan 502
Revision D	



TURNPATH PLAN - 12.5m DESIGN VEHICLE
SCALE 1:250



TURNPATH PLAN - 12.5m DESIGN VEHICLE
SCALE 1:250



12.5m SU TRUCK - DESIGN VEHICLE

meters

Width : 2.20

Track : 6.85

Lock to Lock Time : 6.0

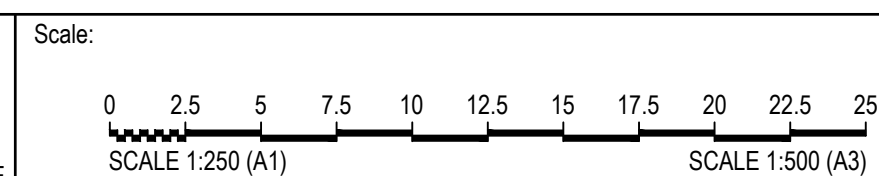
Steering Angle : 36.6

LEGEND	
DENOTES FRONT WHEEL TRACK	
DENOTES REAR WHEEL TRACK	
DENOTES 0.5m VEHICLE BODY CLEARANCE	
DENOTES VEHICLE BODY	

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

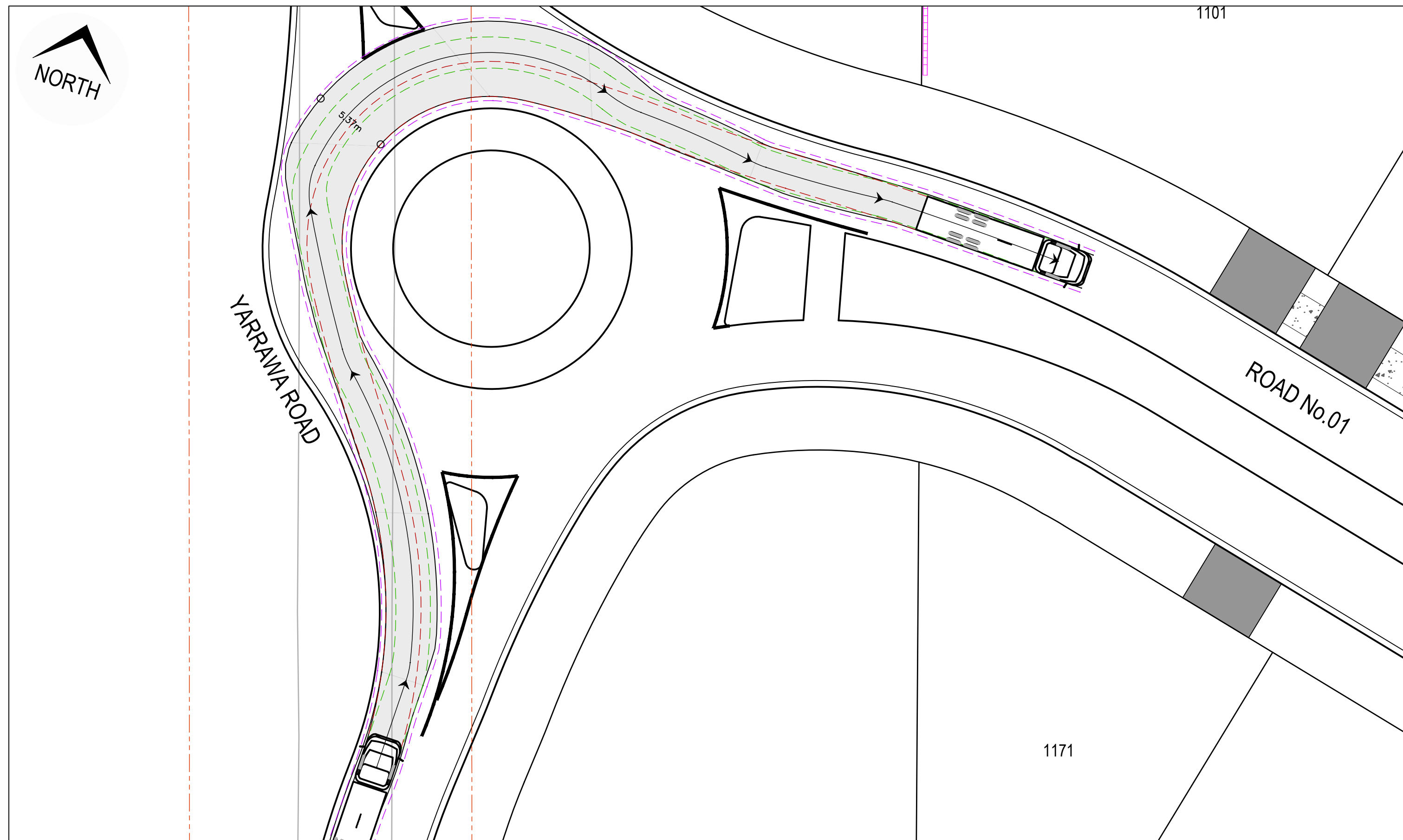
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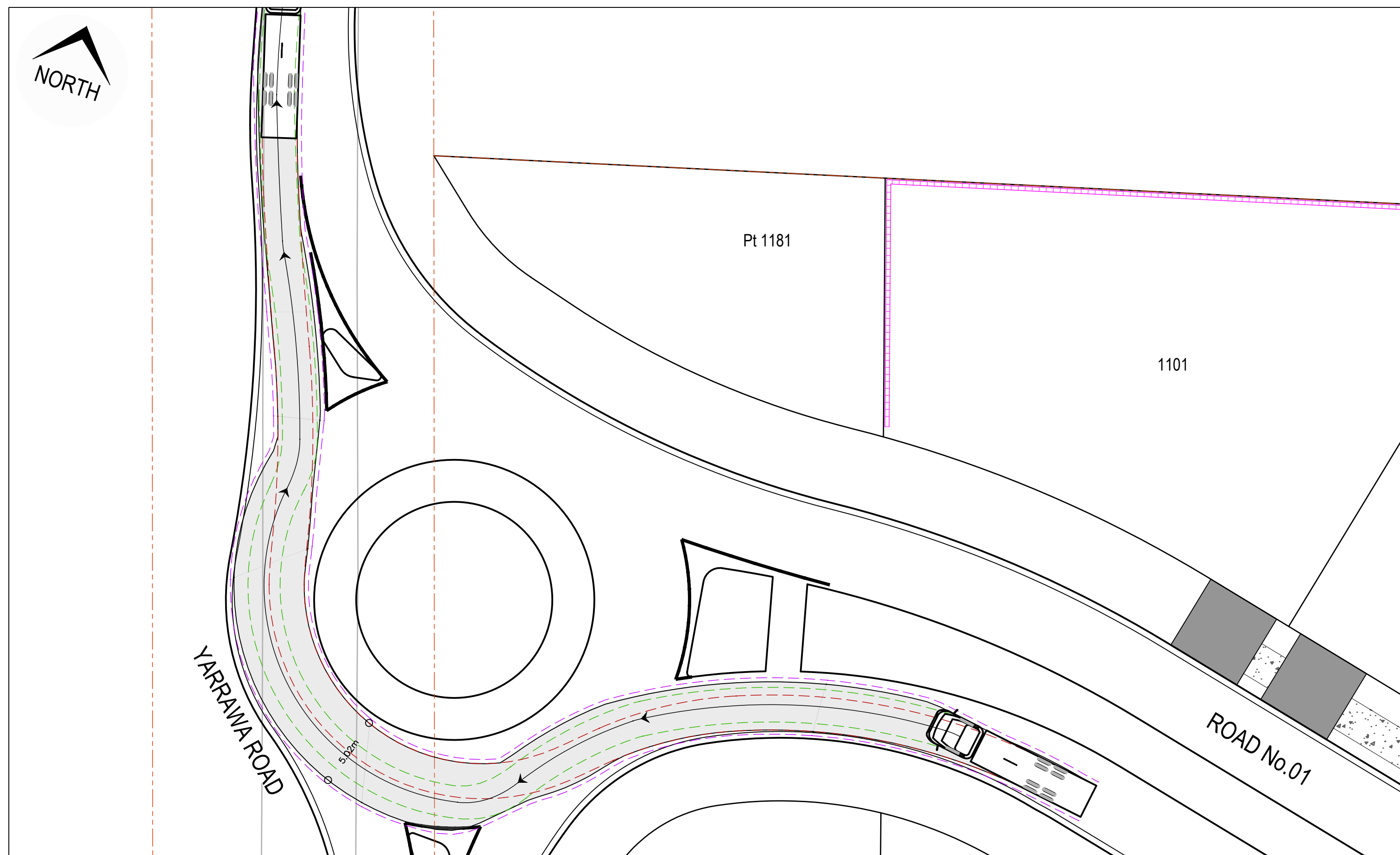
Project: **STAGE 1**
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	503	D

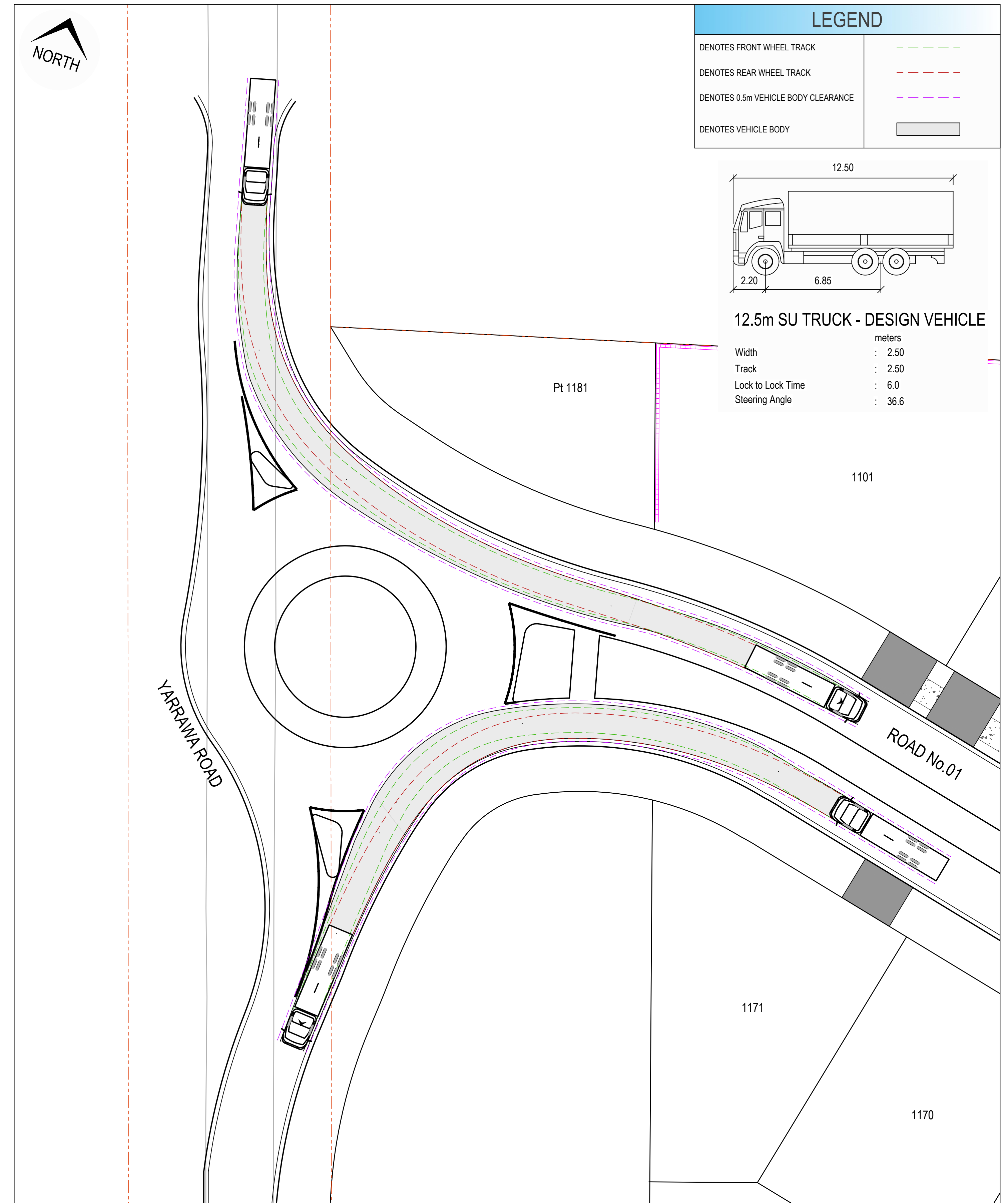
Project: 1 October 2020 12:08:11 PM File Name: O:\Projects\2019\19-34 Moss Vale Stage 1\DA & BE\Masterplan\Design\Residential\Subdivision\DA\19-34-DA-503.dwg



ROUNDABOUT TURNPATH PLAN - 12.5m DESIGN VEHICLE
SCALE 1:250



ROUNDABOUT TURNPATH PLAN - 12.5m DESIGN VEHICLE
SCALE 1:250

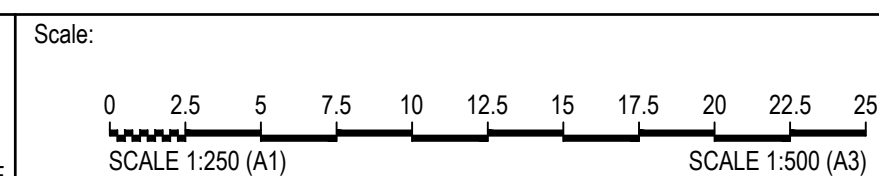


ROUNDABOUT TURNPATH PLAN - 12.5m DESIGN VEHICLE
SCALE 1:250

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

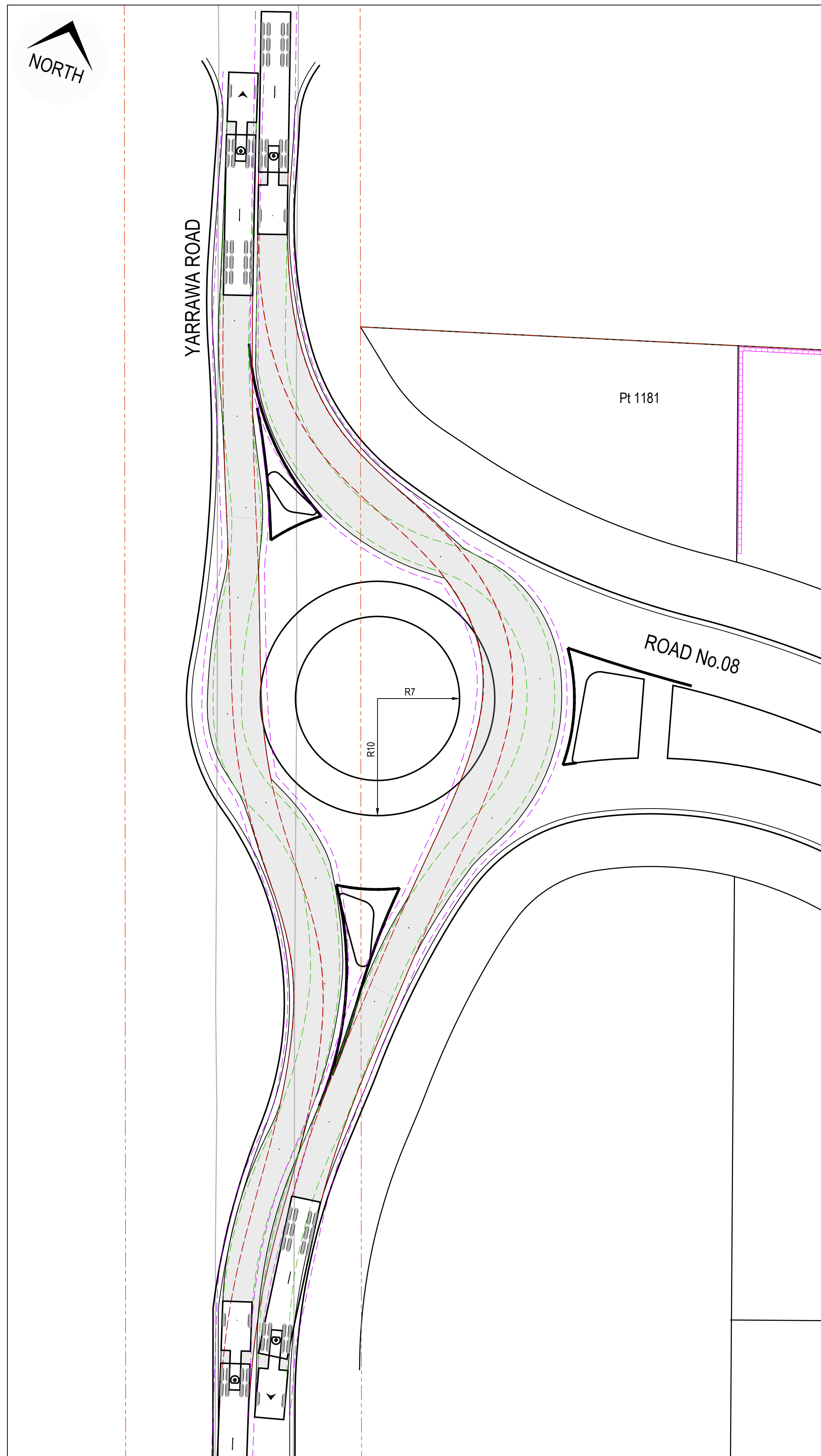
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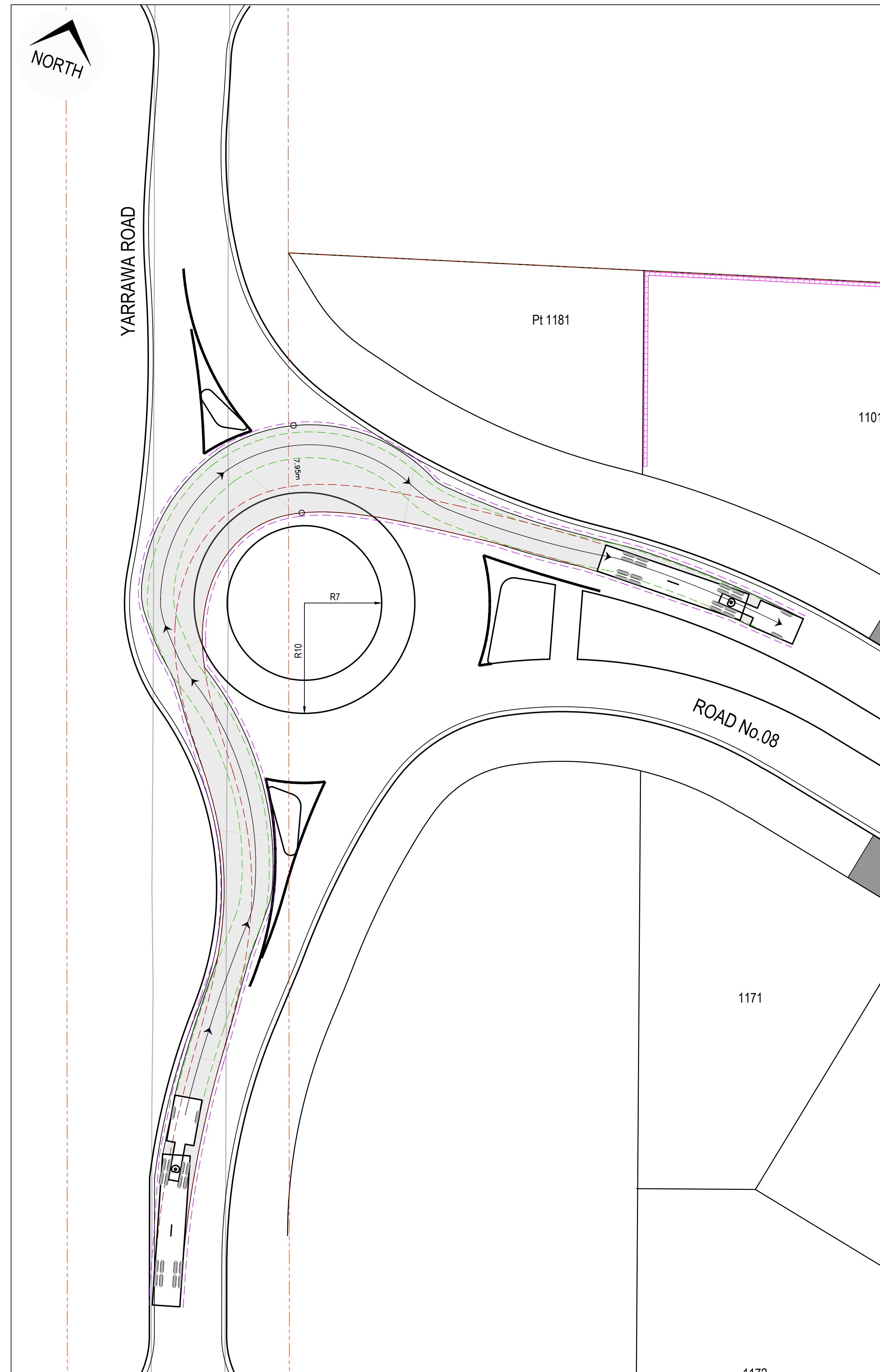
Project: STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	504	D

Project: October, 2020 12:28:27 PM File Name: C:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE\Masterplan\Design\1 Residential\Subdivision\DA\19-34 DA-504.dwg

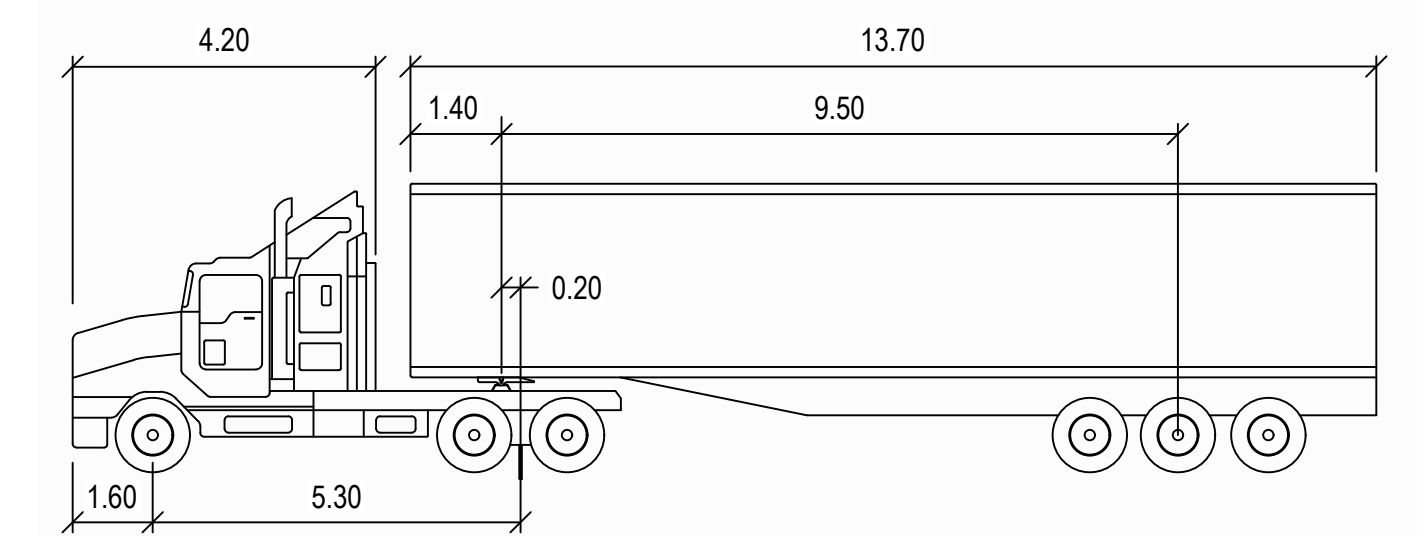


ROUNDOABOUT TURNPATH PLAN - 19.0m SEMI CHECK VEHICLE
SCALE 1:250



ROUNDOABOUT TURNPATH PLAN - 19.0m SEMI CHECK VEHICLE
SCALE 1:250

LEGEND	
DENOTES FRONT WHEEL TRACK	
DENOTES REAR WHEEL TRACK	
DENOTES 0.5m VEHICLE BODY CLEARANCE	
DENOTES VEHICLE BODY	



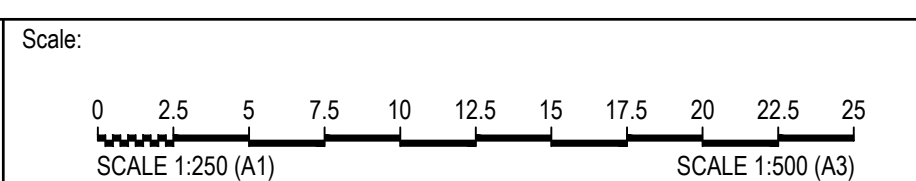
19.0m SEMI - CHECK VEHICLE

Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 27.8
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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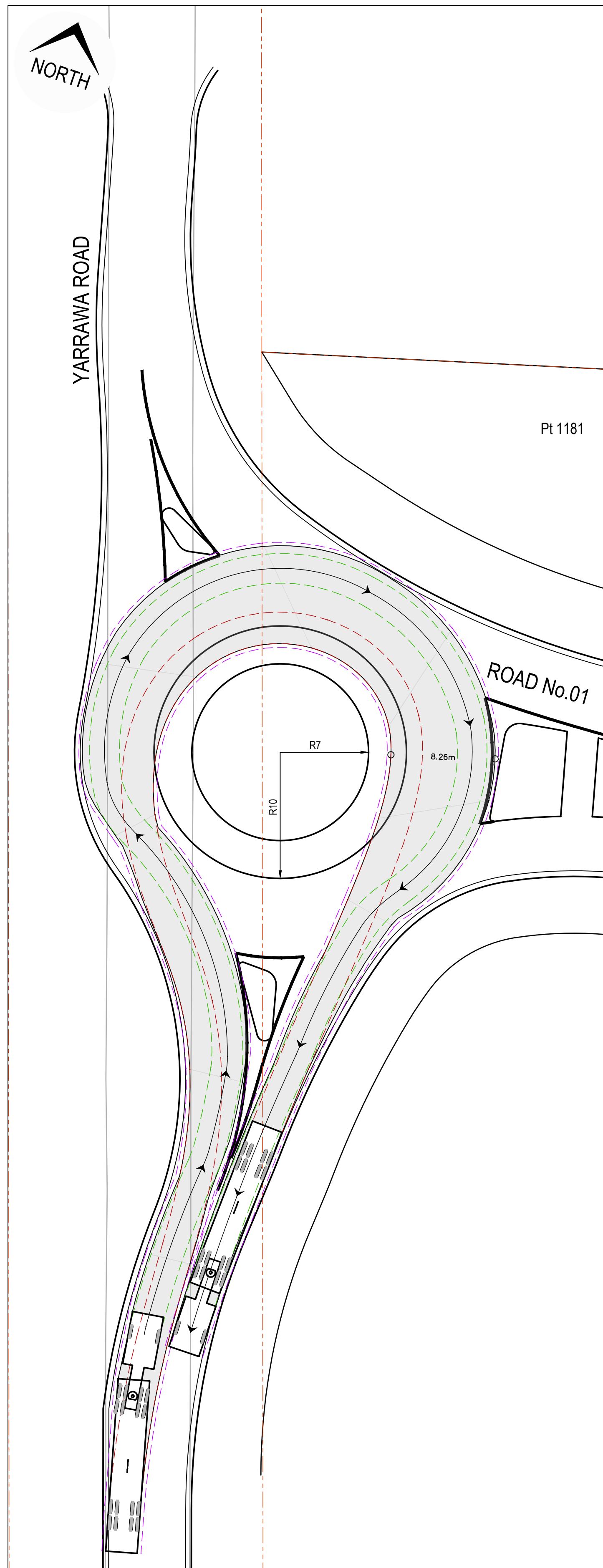


For: **Aoyuan** *building a healthy lifestyle*

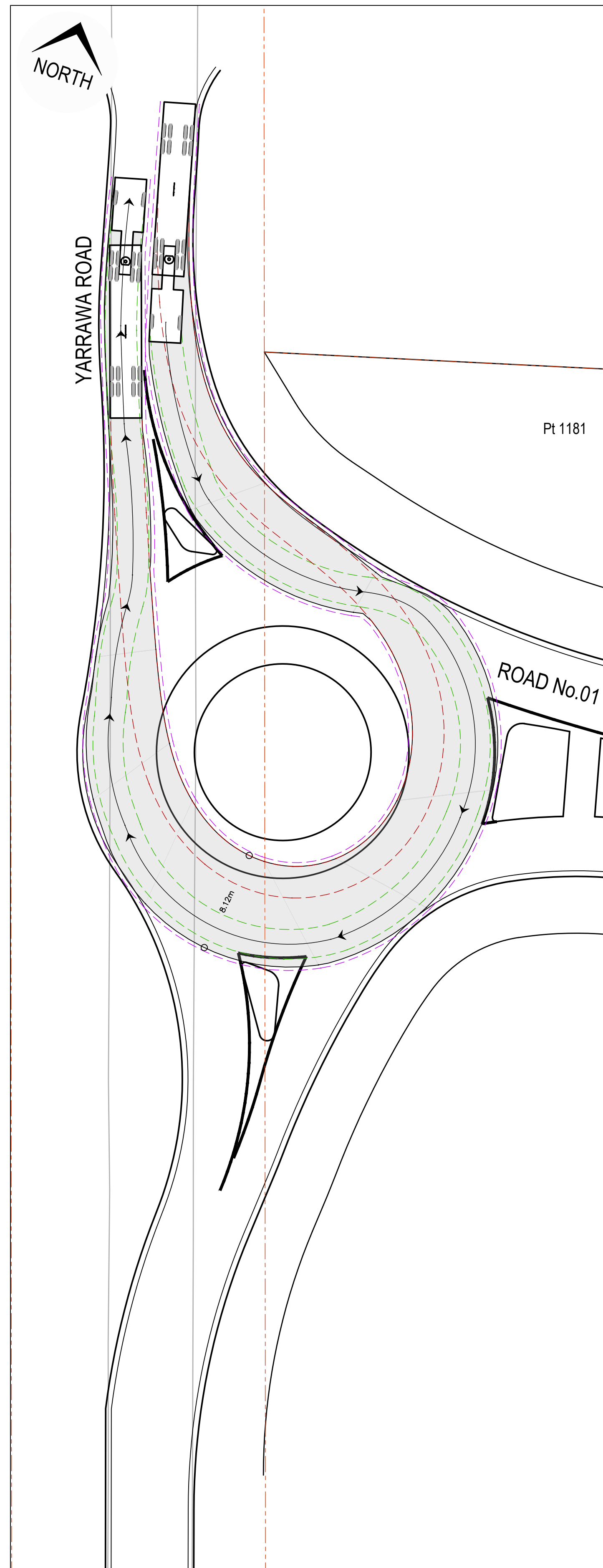
By: **Orion Consulting** *CONSULT AUSTRALIA Member Firm*
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

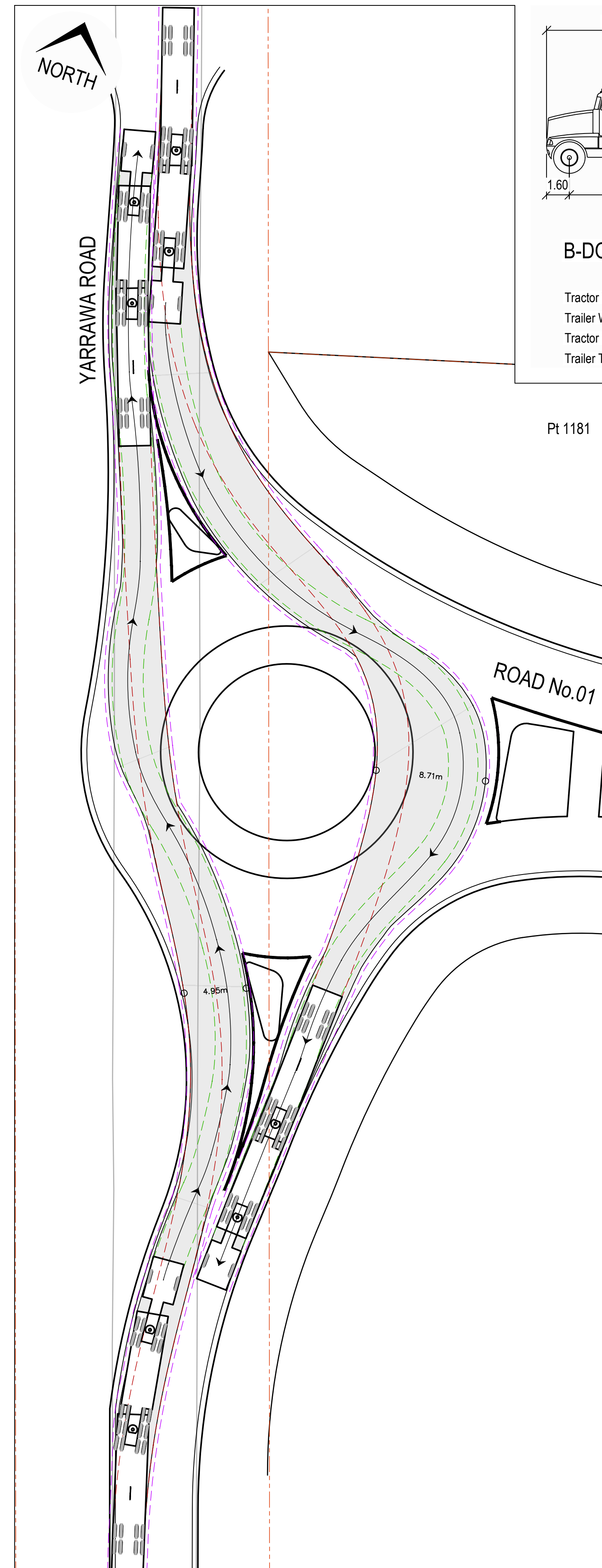
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	505	D



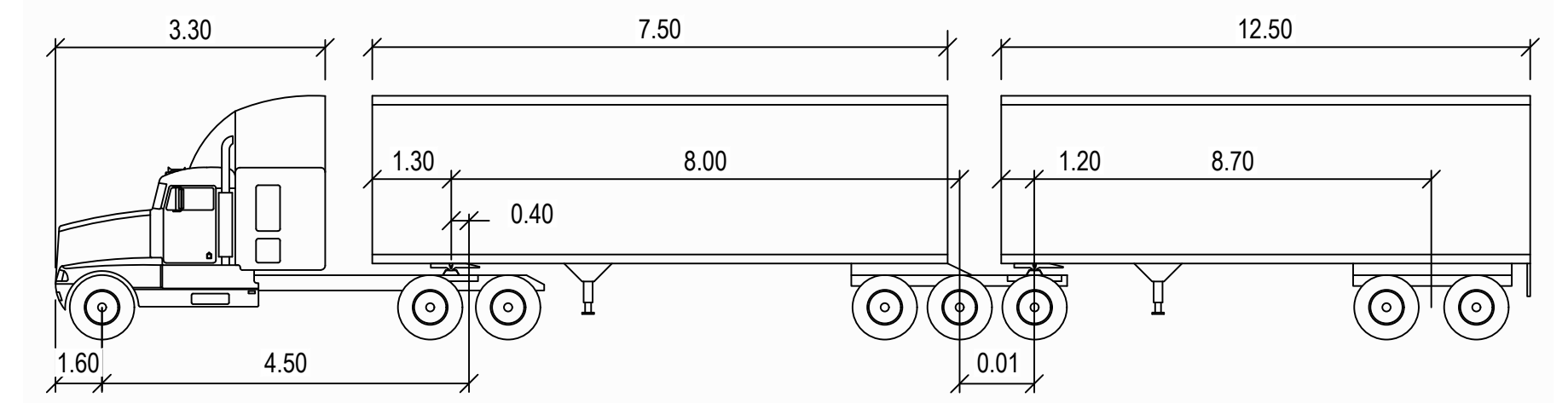
ROUNDOABOUT TURNPATH PLAN - 19.0m SEMI CHECK VEHICLE
SCALE 1:250



ROUNDOABOUT TURNPATH PLAN - 19.0m SEMI CHECK VEHICLE
SCALE 1:250

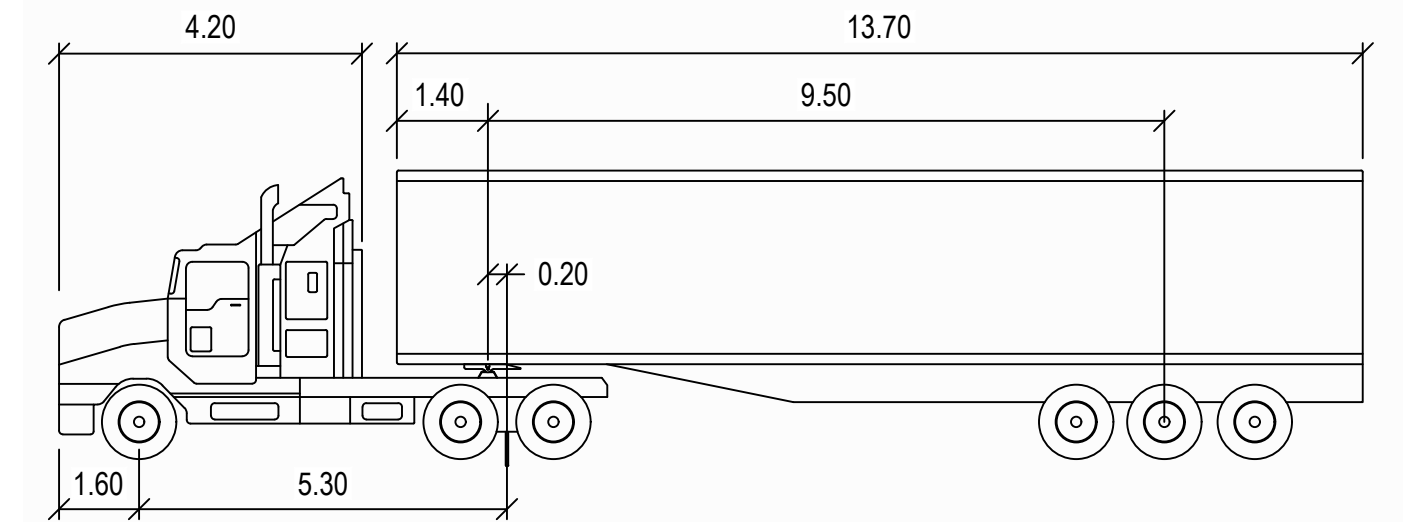


ROUNDOABOUT TURNPATH PLAN - B-DOUBLE CHECK VEHICLE
SCALE 1:250



B-DOUBLE - CHECK VEHICLE

meters	
Tractor Width	: 2.50
Trailer Width	: 2.50
Tractor Track	: 2.50
Trailer Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 23.5
Articulating Angle	: 70.0



19.0m SEMI - CHECK VEHICLE

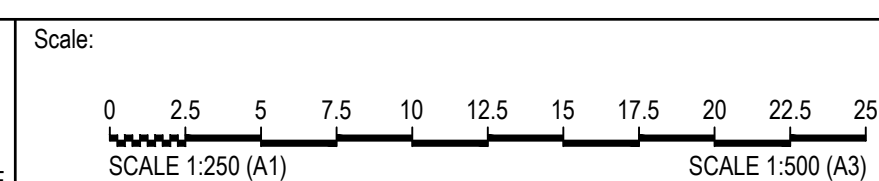
meters	
Tractor Width	: 2.50
Trailer Width	: 2.50
Tractor Track	: 2.50
Trailer Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 27.8
Articulating Angle	: 70.0

LEGEND	
DENOTES FRONT WHEEL TRACK	--- --
DENOTES REAR WHEEL TRACK	--- --
DENOTES 0.5m VEHICLE BODY CLEARANCE	--- --
DENOTES VEHICLE BODY	▭

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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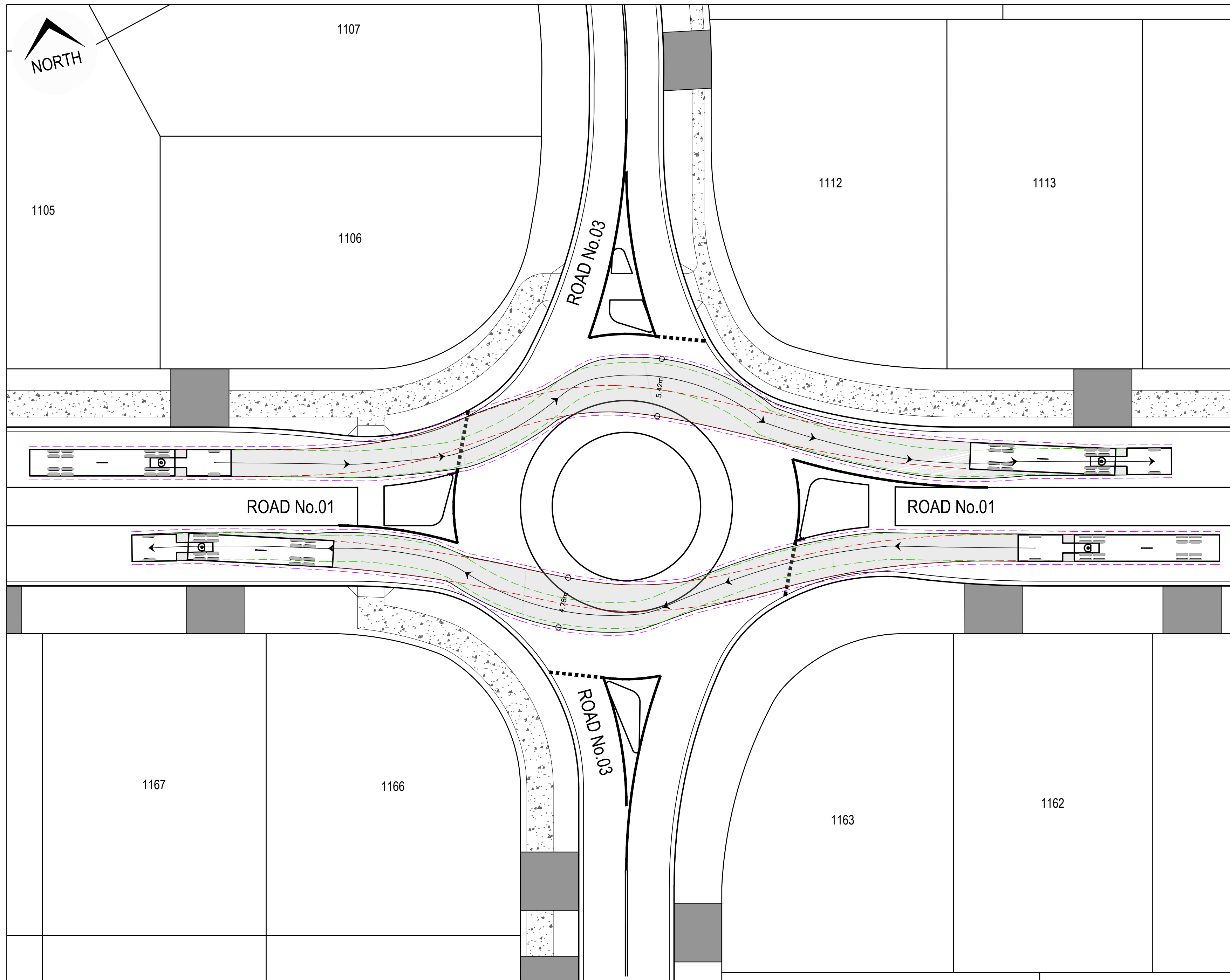


For: **Aoyuan** building a healthy lifestyle

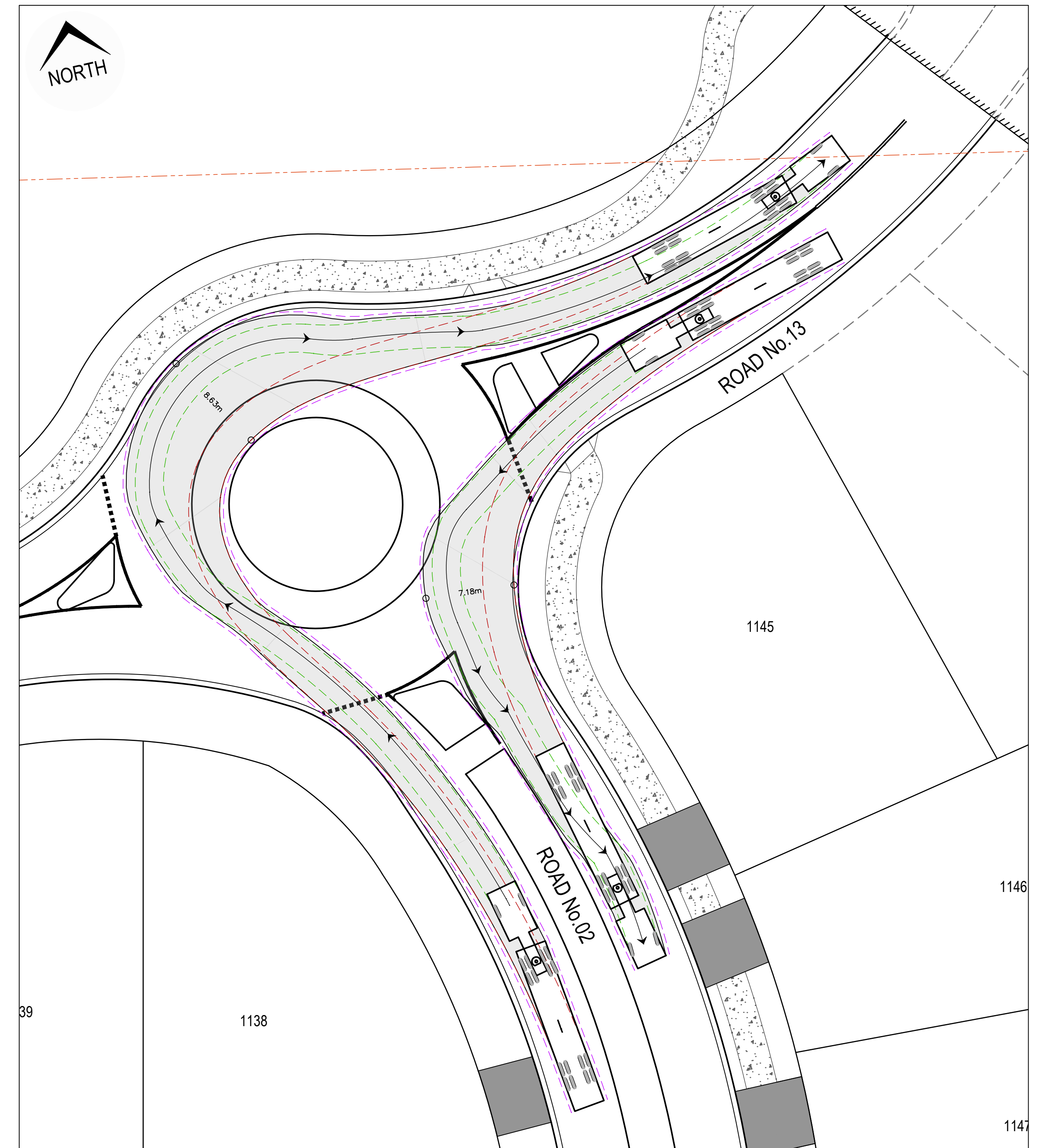
By: **Orion Consulting**
Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

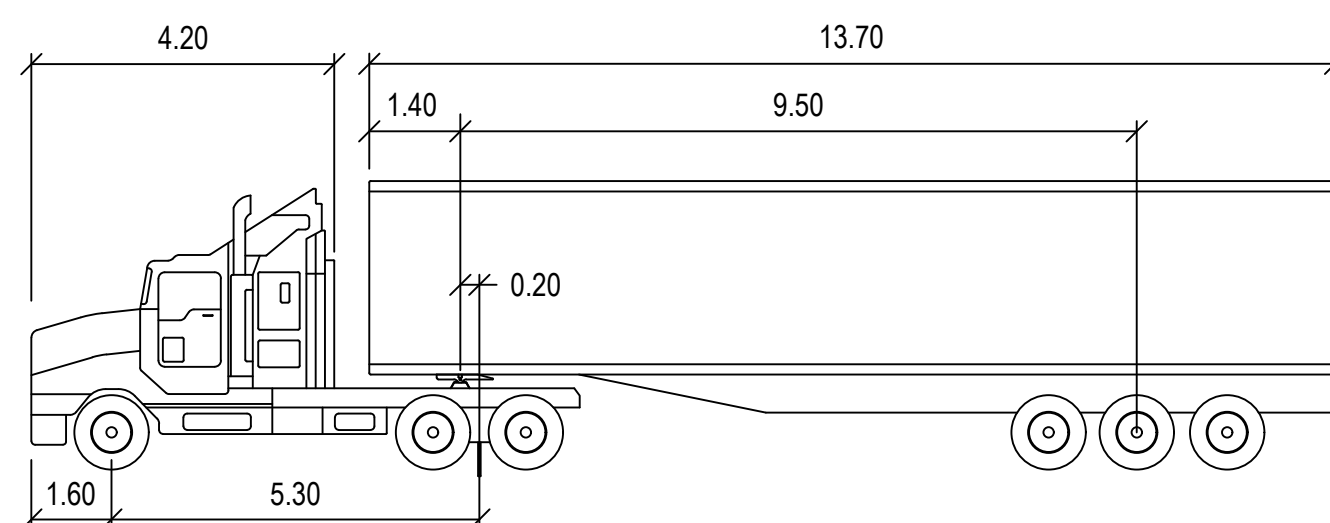
Title: 19.0M & 25.0M VEHICLE TURNPATH PLAN SHEET 07 OF 15	
Project No: 19-34	Set No: 01
Milestone: DA	Plan: 506
Revision: D	



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



19.0m SEMI - CHECK VEHICLE

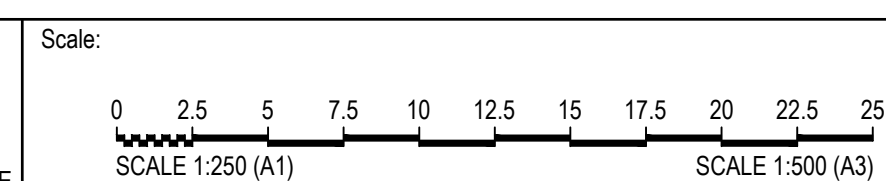
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 27.8
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

LEGEND	
DENOTES FRONT WHEEL TRACK	
DENOTES REAR WHEEL TRACK	
DENOTES 0.5m VEHICLE BODY CLEARANCE	
DENOTES VEHICLE BODY	

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

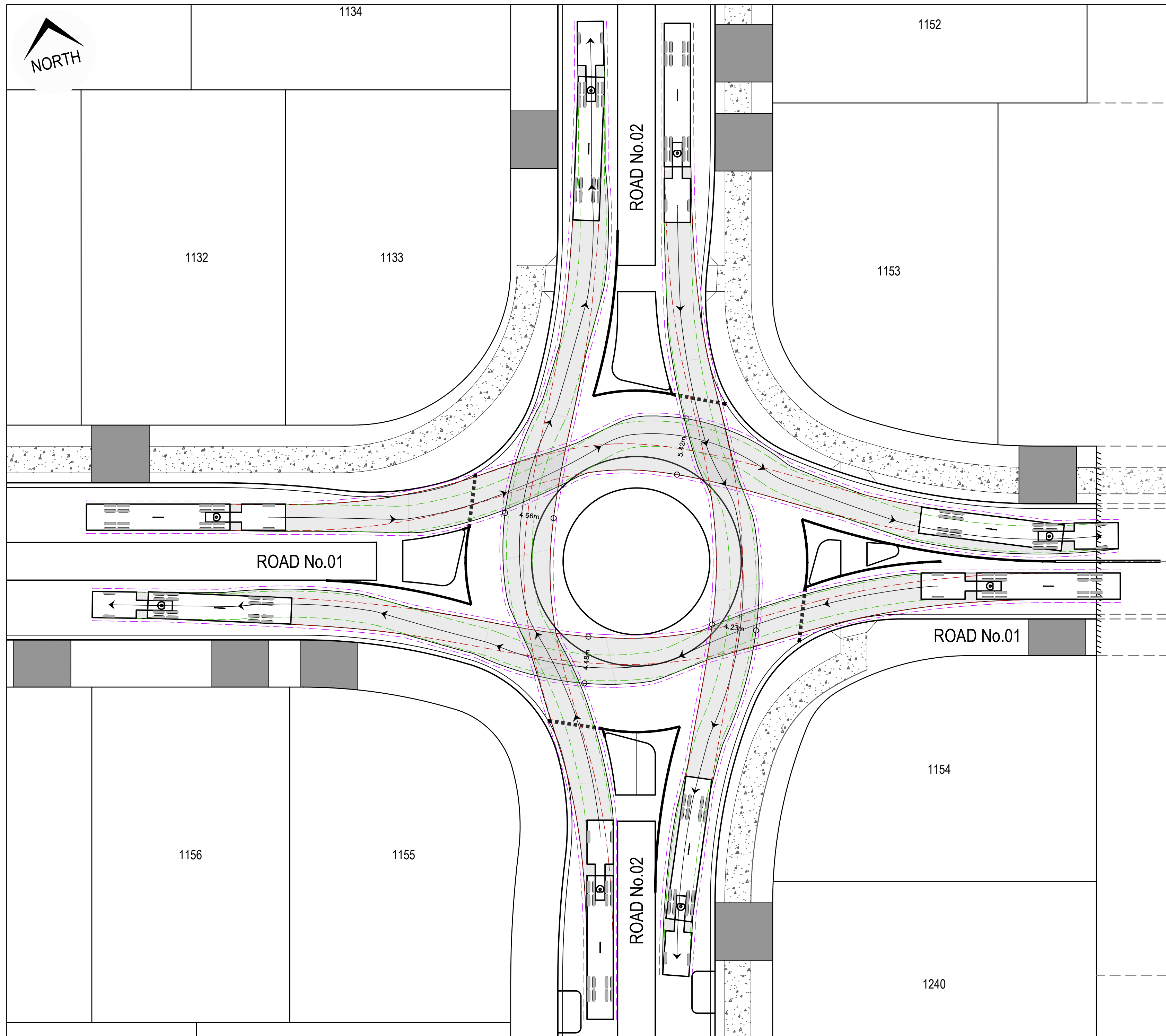
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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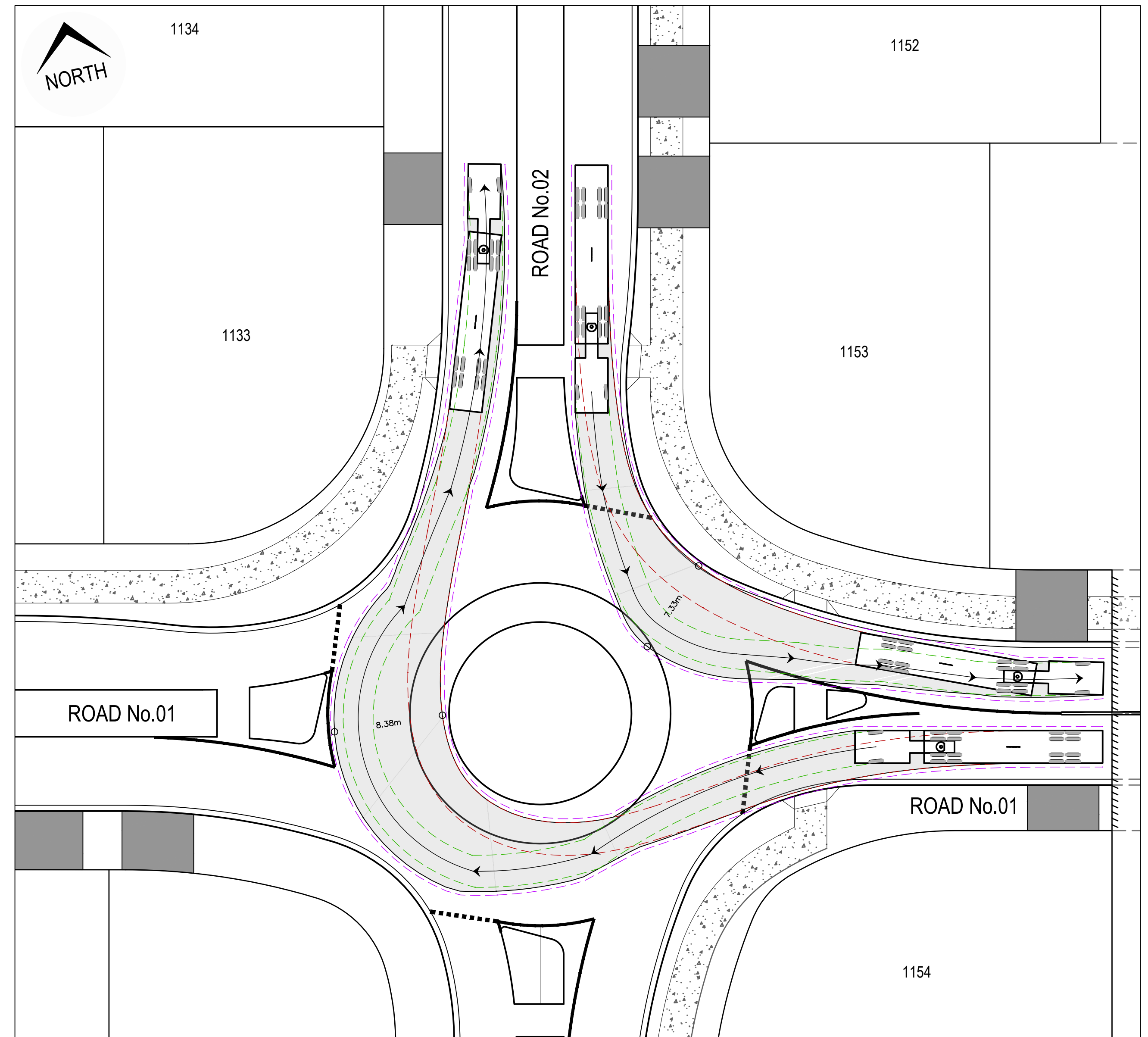


Project: STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: 19.0M VEHICLE TURNPATH PLAN SHEET 08 OF 15				
Project No. 19-34	Set No. 01	Milestone DA	Plan 507	Revision D

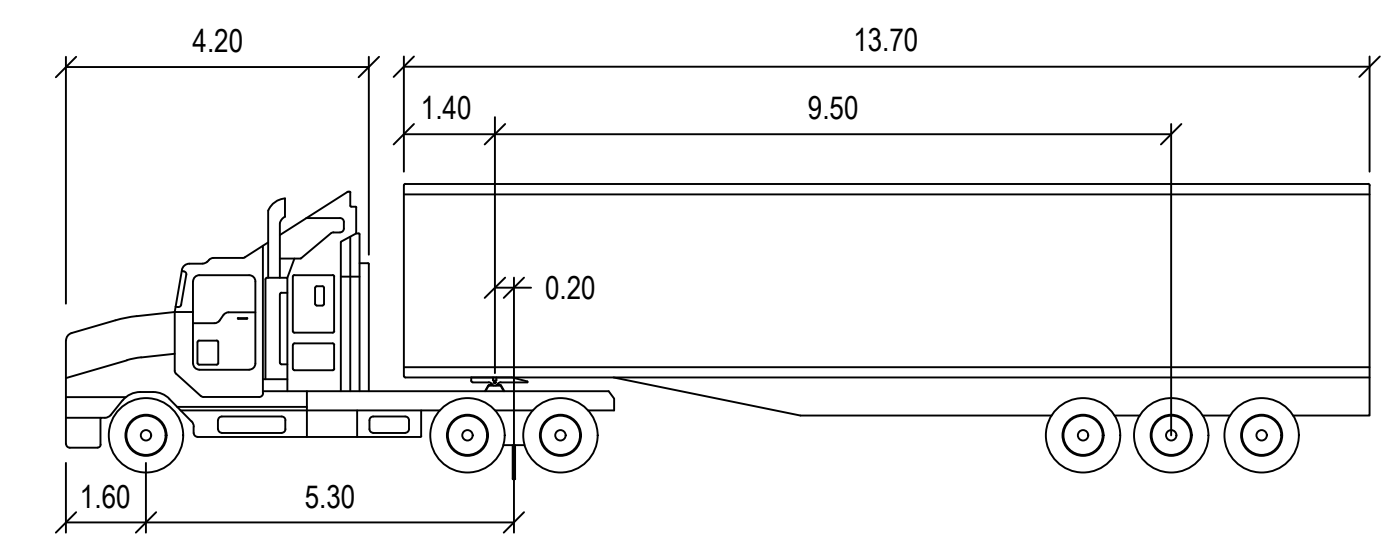


TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250

LEGEND	
DENOTES FRONT WHEEL TRACK	
DENOTES REAR WHEEL TRACK	
DENOTES 0.5m VEHICLE BODY CLEARANCE	
DENOTES VEHICLE BODY	



19.0m SEMI - CHECK VEHICLE

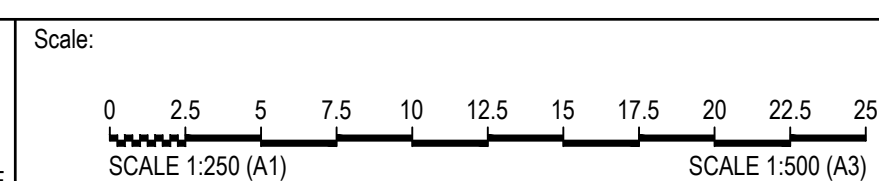
Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 27.8
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: 1 October 2020 12:02:20 PM File Name: C:\Projects\2019\10-31 Moss Vale Stage 1 DA & BE Masterplan Design\19-34 DA-508.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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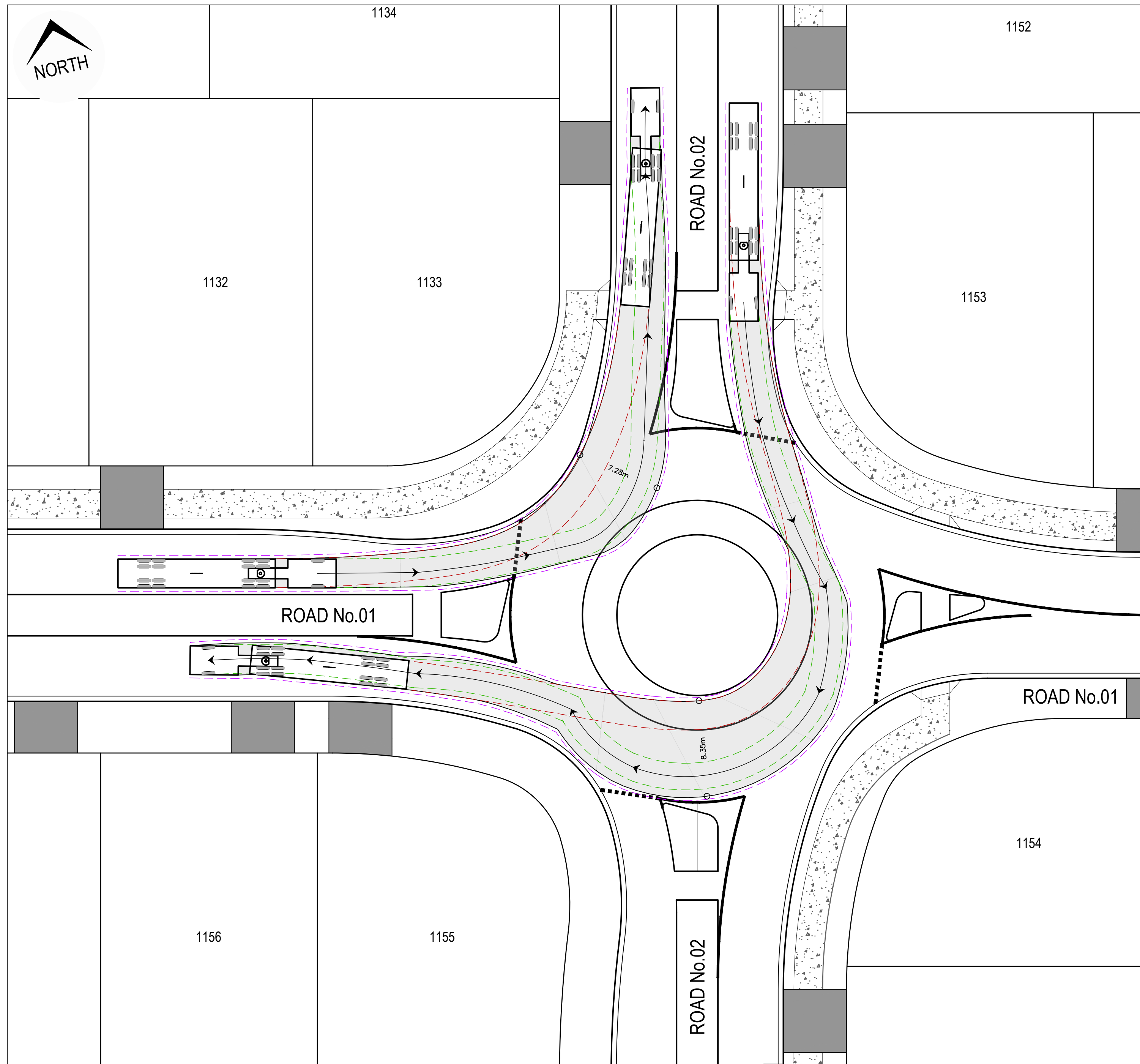


For: **Aoyuan**
building a healthy lifestyle

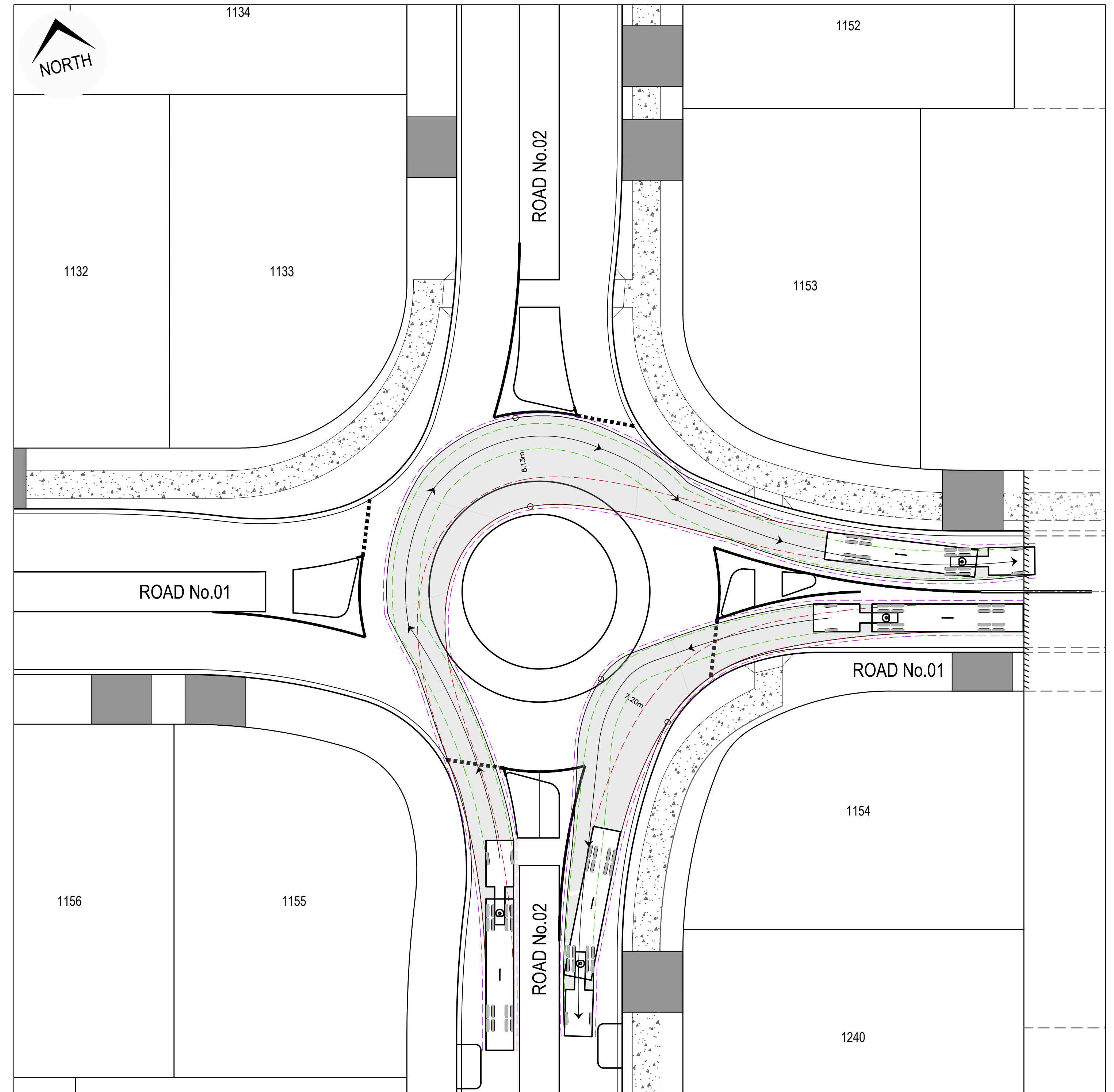
By: **Orion Consulting**
CONSULT AUSTRALIA Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

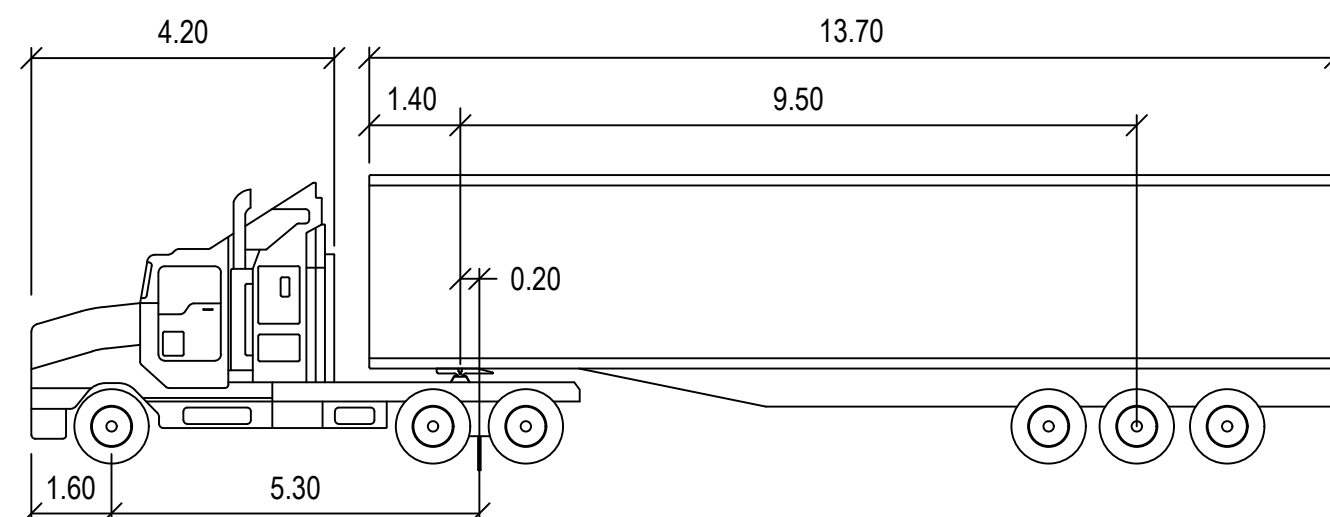
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	508	D



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



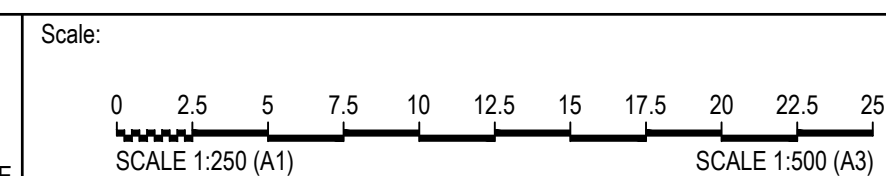
19.0m SEMI - CHECK VEHICLE

Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 27.8
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

LEGEND	
DENOTES FRONT WHEEL TRACK	
DENOTES REAR WHEEL TRACK	
DENOTES 0.5m VEHICLE BODY CLEARANCE	
DENOTES VEHICLE BODY	

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION



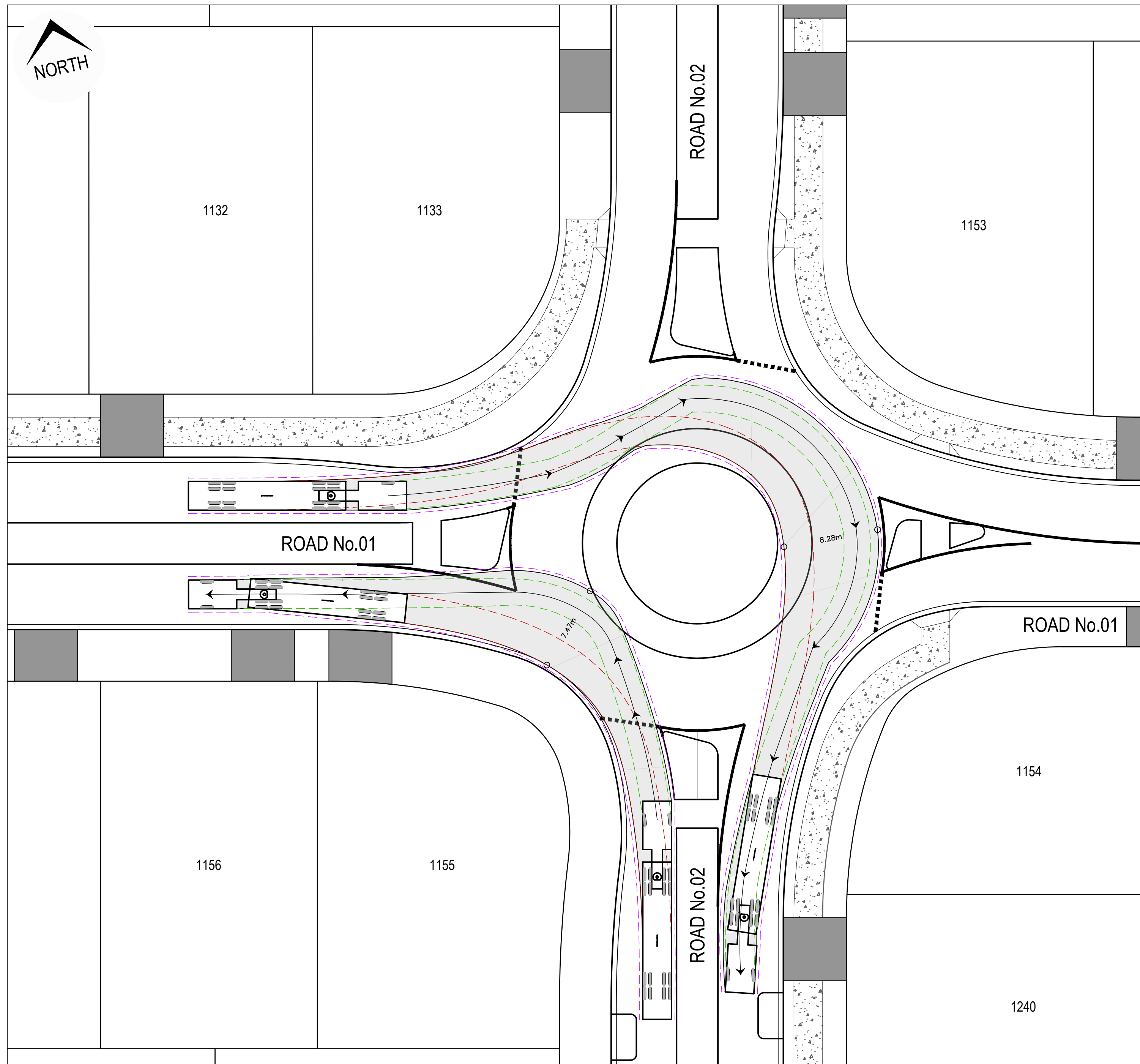
For: **Aoyuan** *building a healthy lifestyle*

By: **Orion Consulting** CONSULT AUSTRALIA Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

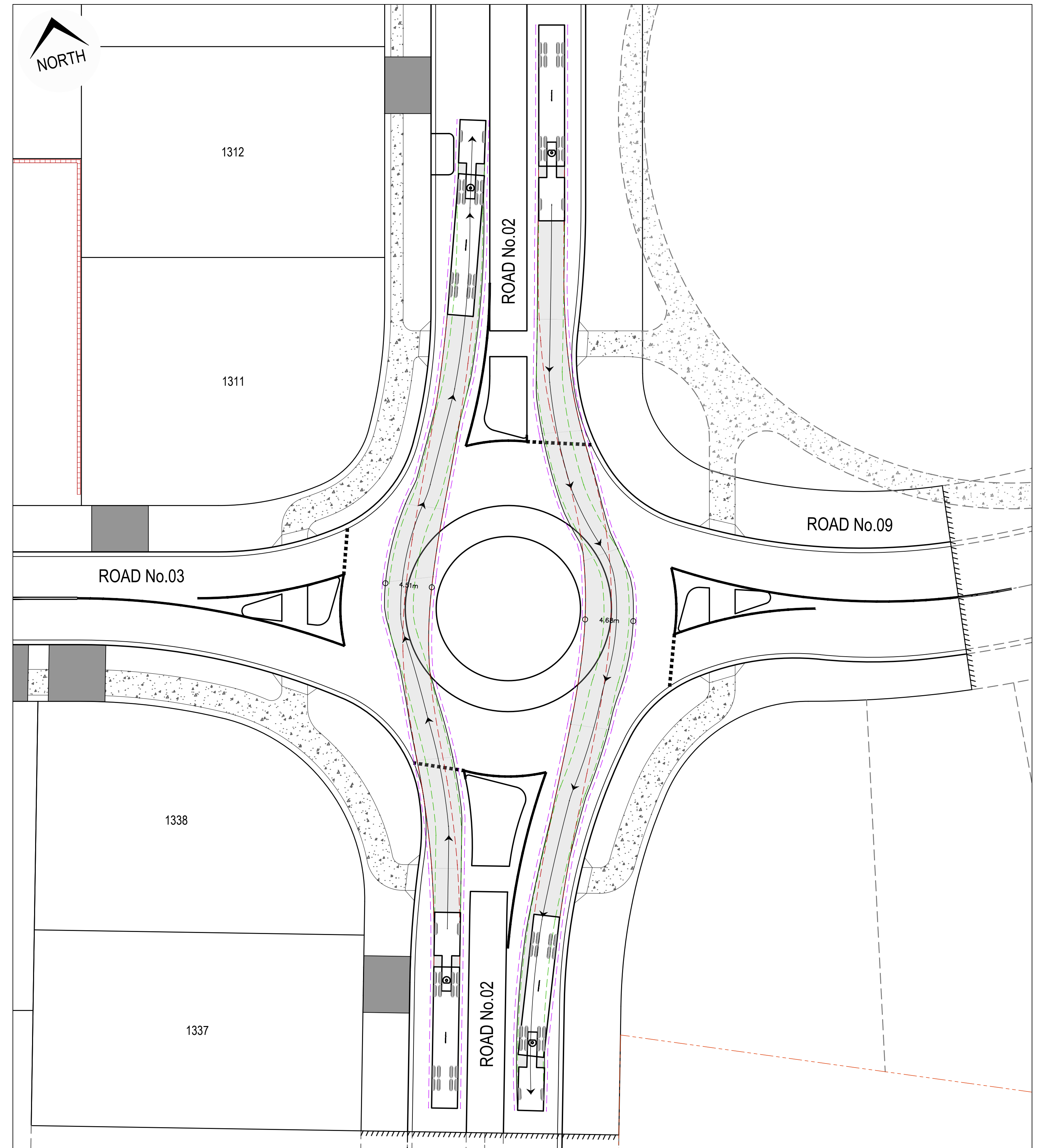
Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	509	D

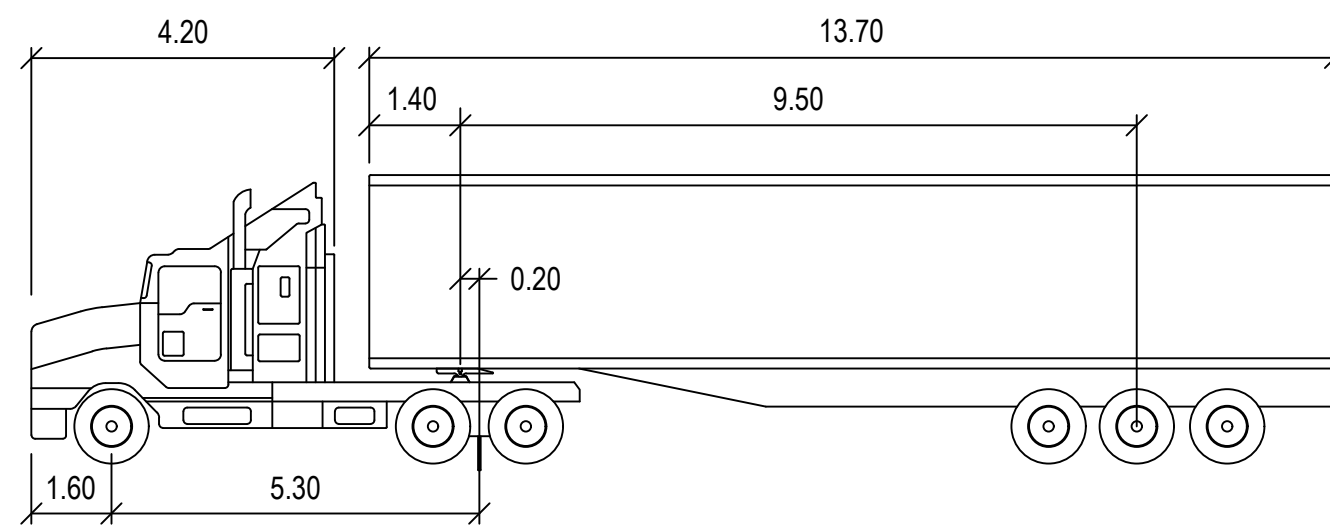
Project: October 2020 12:28:42 PM File Name: C:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan Design\Residential Subdivision\DA\19-34 DA-509.dwg



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



19.0m SEMI - CHECK VEHICLE

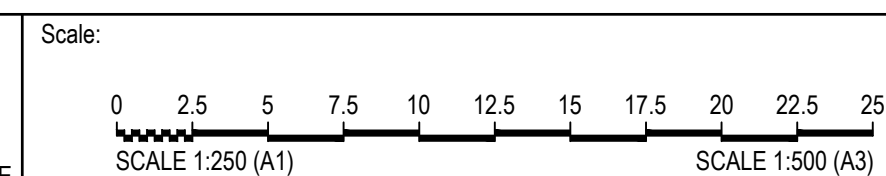
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Trailer Width	: 2.50	Steering Angle	: 27.8
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

LEGEND	
DENOTES FRONT WHEEL TRACK	
DENOTES REAR WHEEL TRACK	
DENOTES 0.5m VEHICLE BODY CLEARANCE	
DENOTES VEHICLE BODY	

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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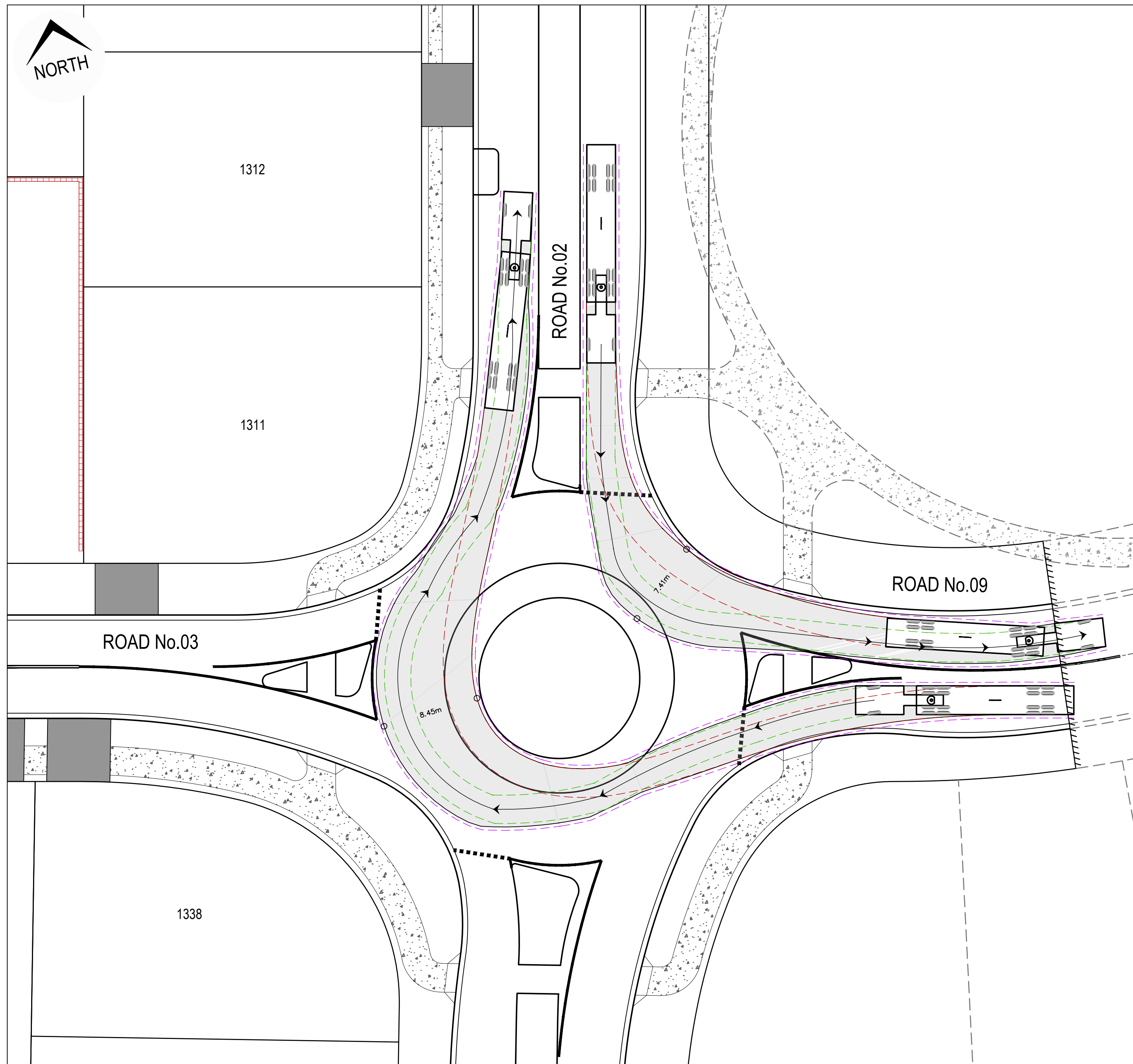


For: **Aoyuan** building a healthy lifestyle

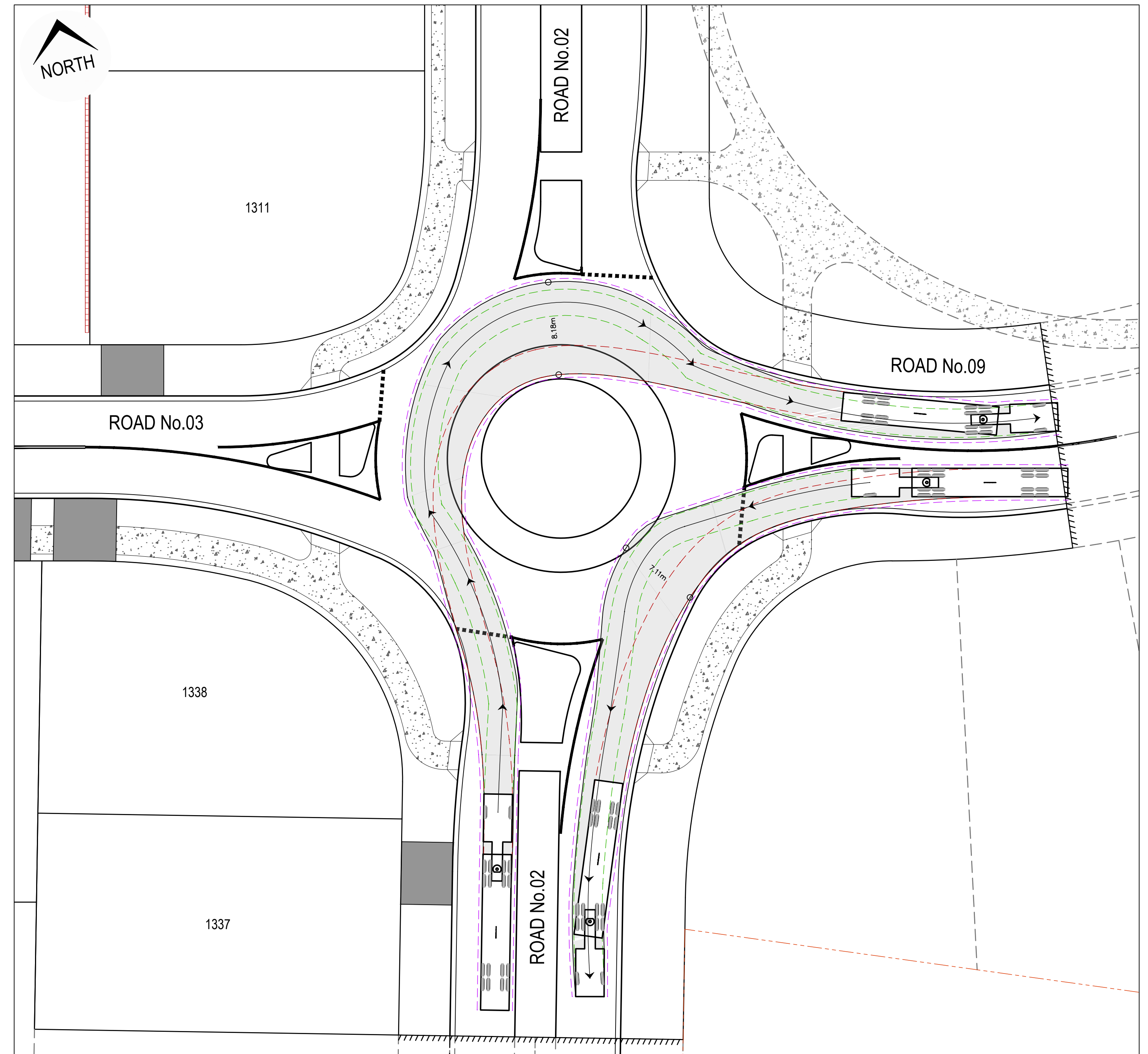
By: **Orion Consulting**
Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

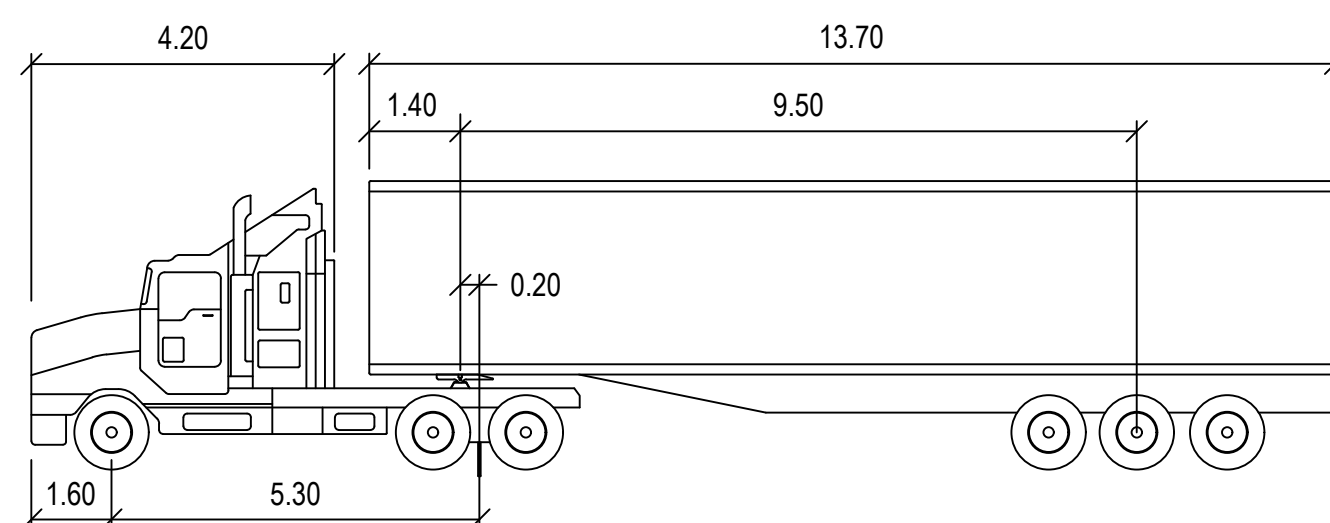
Title:	19.0M VEHICLE TURNPATH PLAN SHEET 11 OF 15			
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	510	D



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



19.0m SEMI - CHECK VEHICLE

meters	
Tractor Width	: 2.50
Trailer Width	: 2.50
Tractor Track	: 2.50
Trailer Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 27.8
Articulating Angle	: 70.0

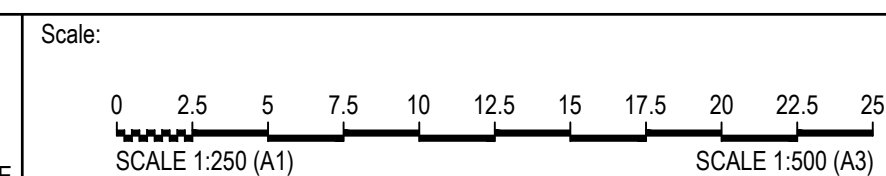
LEGEND	
DENOTES FRONT WHEEL TRACK	--- (dashed green)
DENOTES REAR WHEEL TRACK	--- (dashed red)
DENOTES 0.5m VEHICLE BODY CLEARANCE	--- (dashed purple)
DENOTES VEHICLE BODY	█ (grey)

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: October 2020 12:10:10 PM File Name: C:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan Design\Residential Subdivision\DA\19-34 DA-511.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

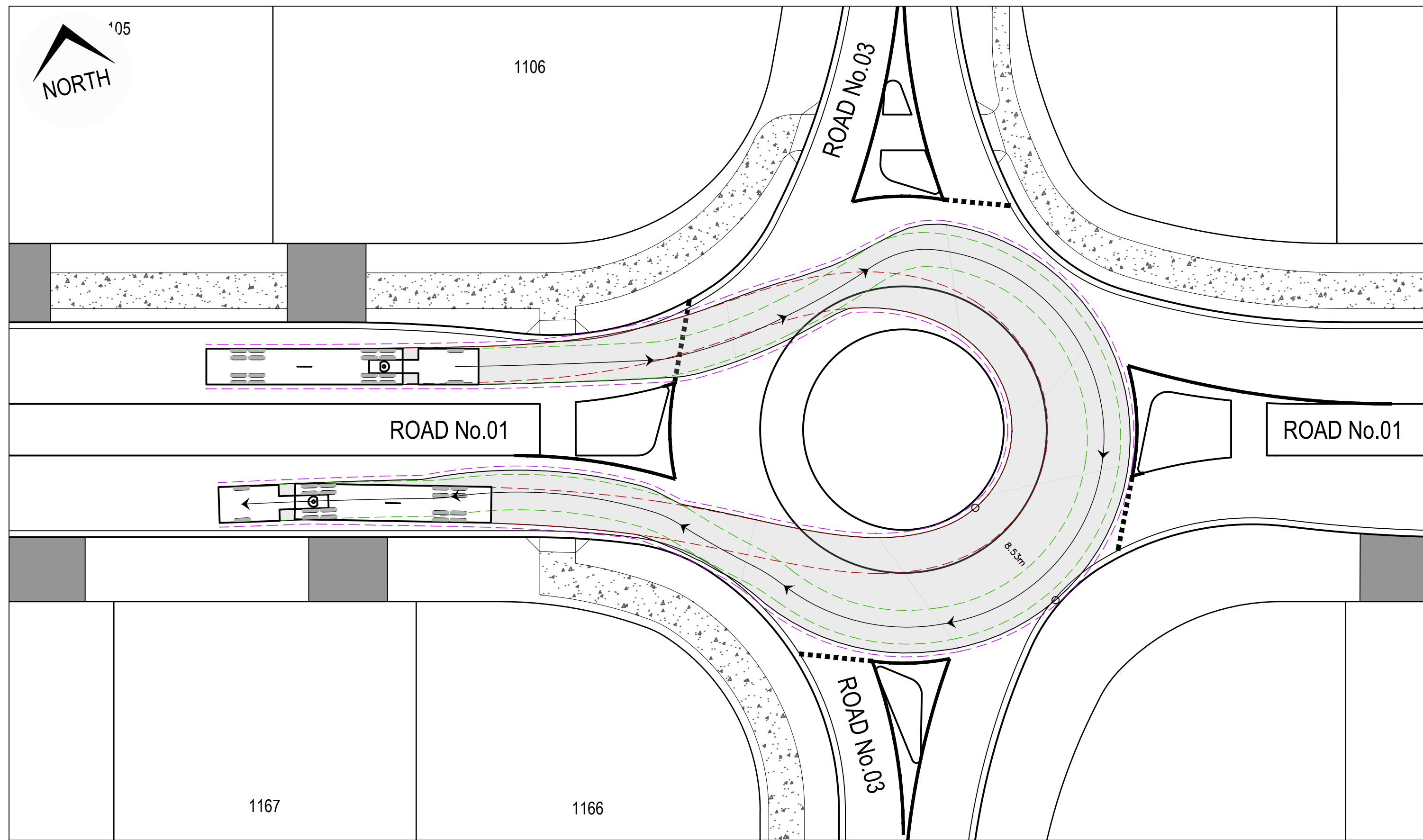
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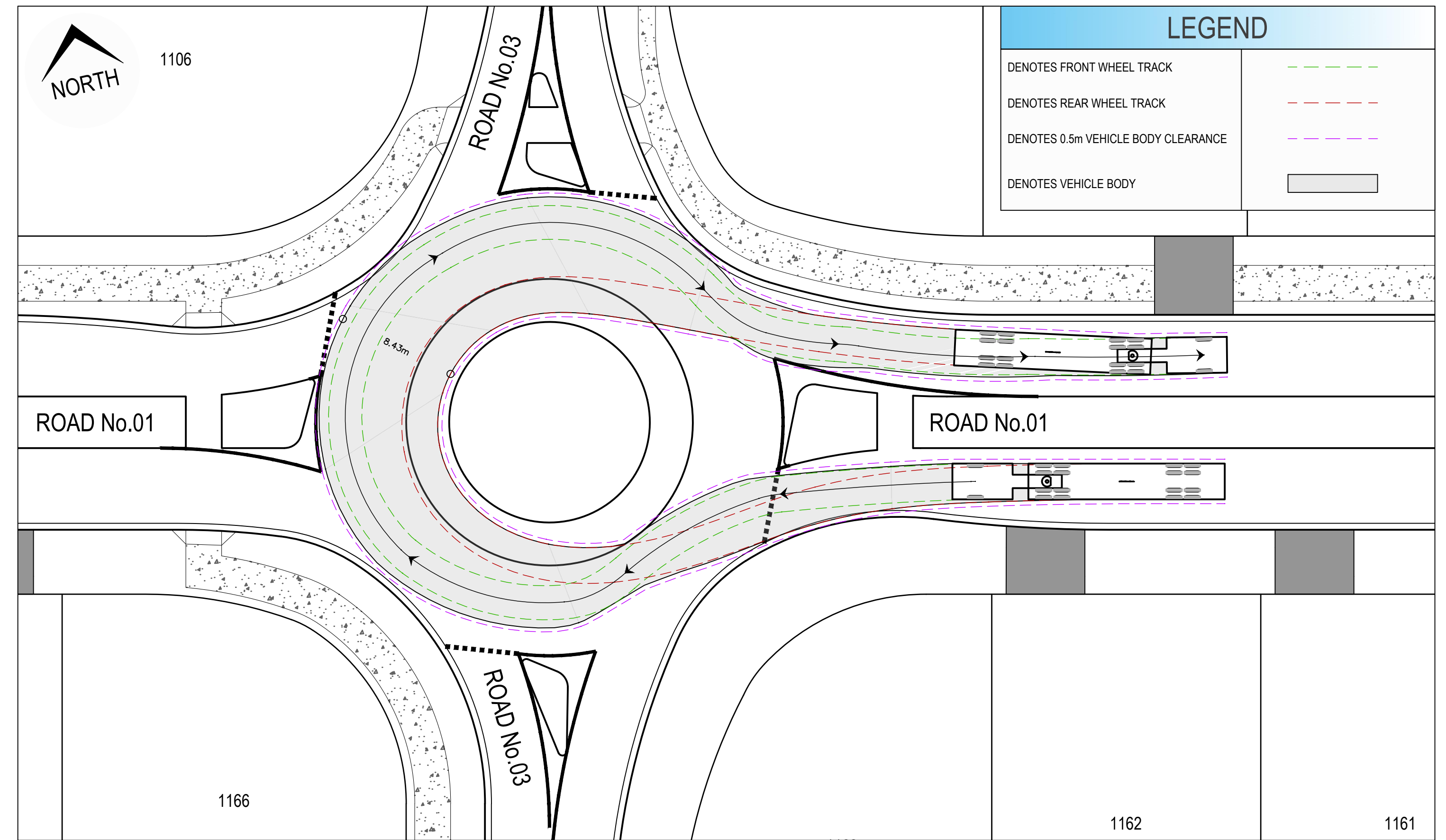
For: **Orion Consulting**
Member Firm
CONSULT AUSTRALIA
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

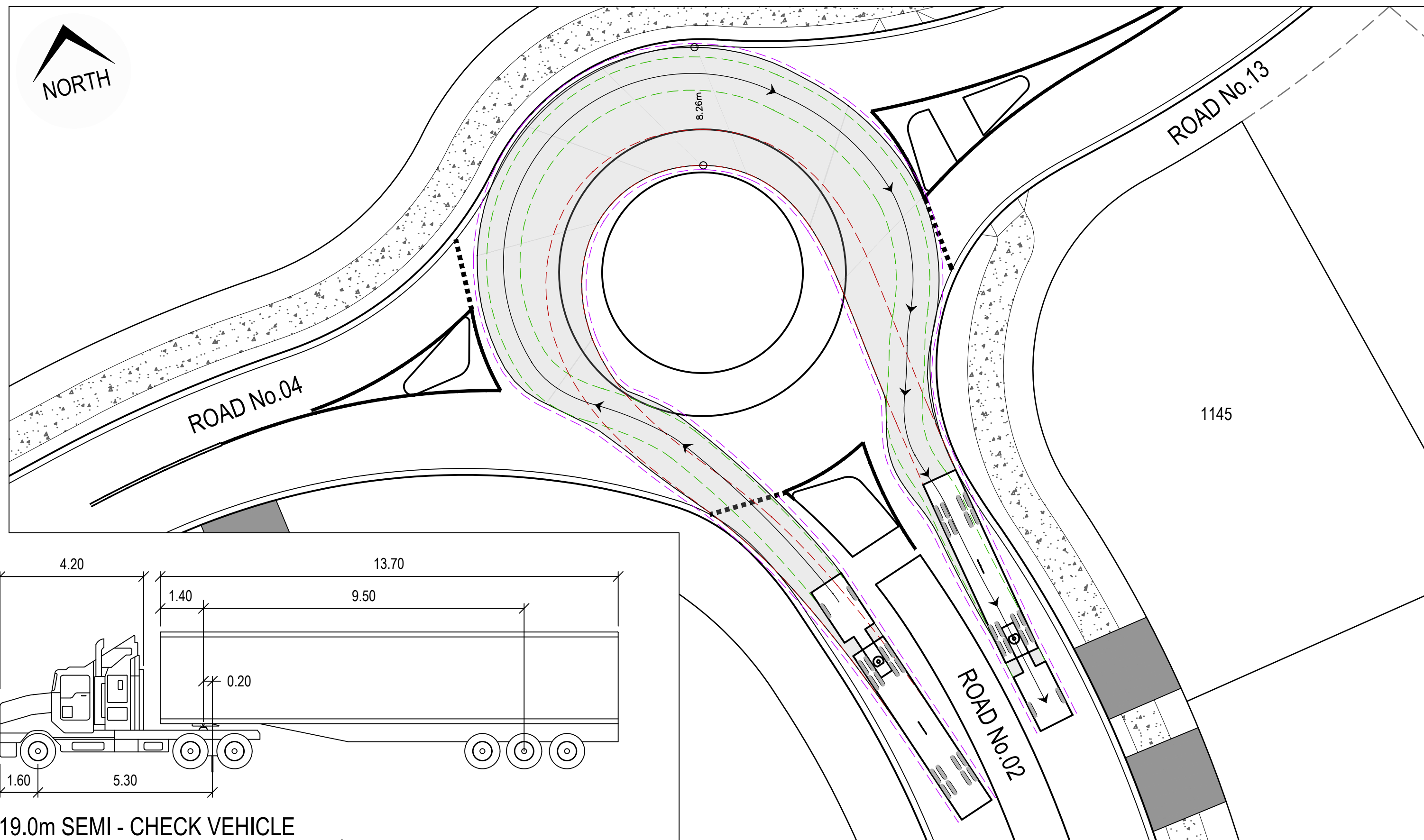
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	511	D



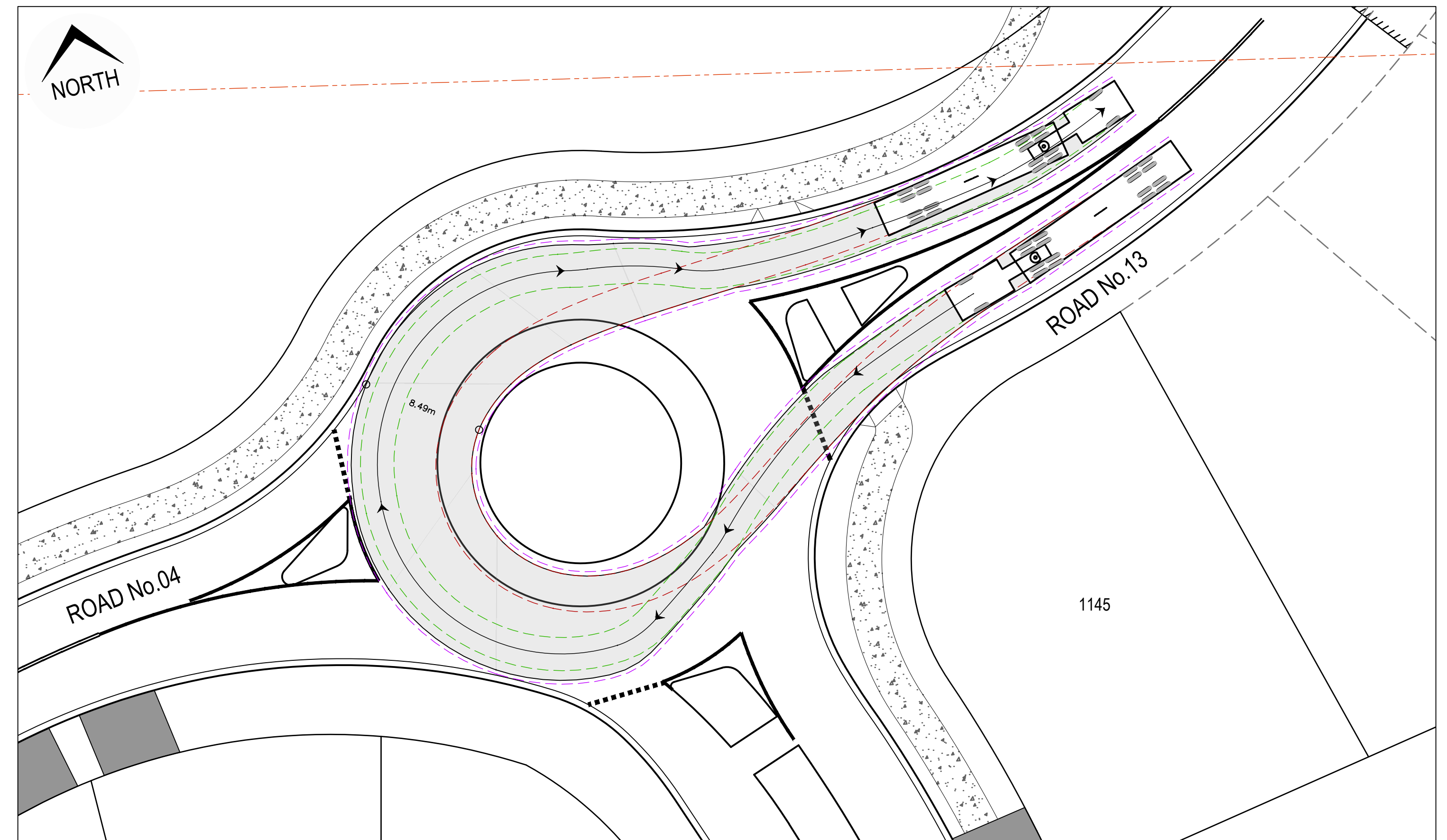
TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250

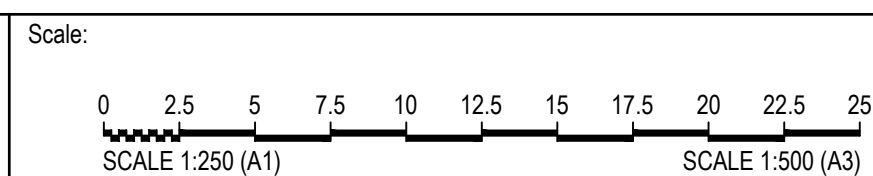
ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

19.0m SEMI - CHECK VEHICLE

Tractor Width	: 2.50	Lock to Lock Time	: 6.0
Trailer Width	: 2.50	Steering Angle	: 27.8
Tractor Track	: 2.50	Articulating Angle	: 70.0
Trailer Track	: 2.50		

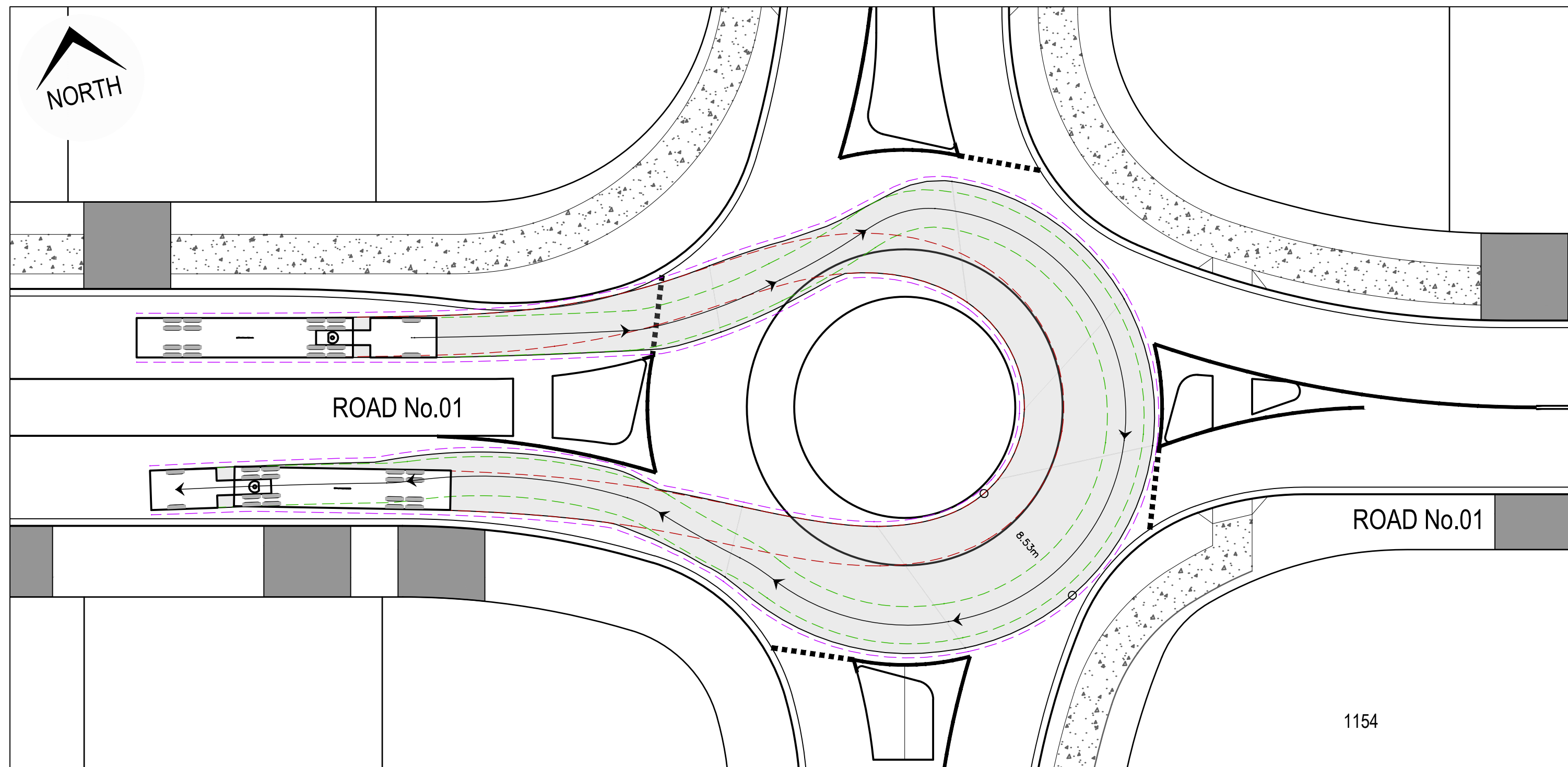
Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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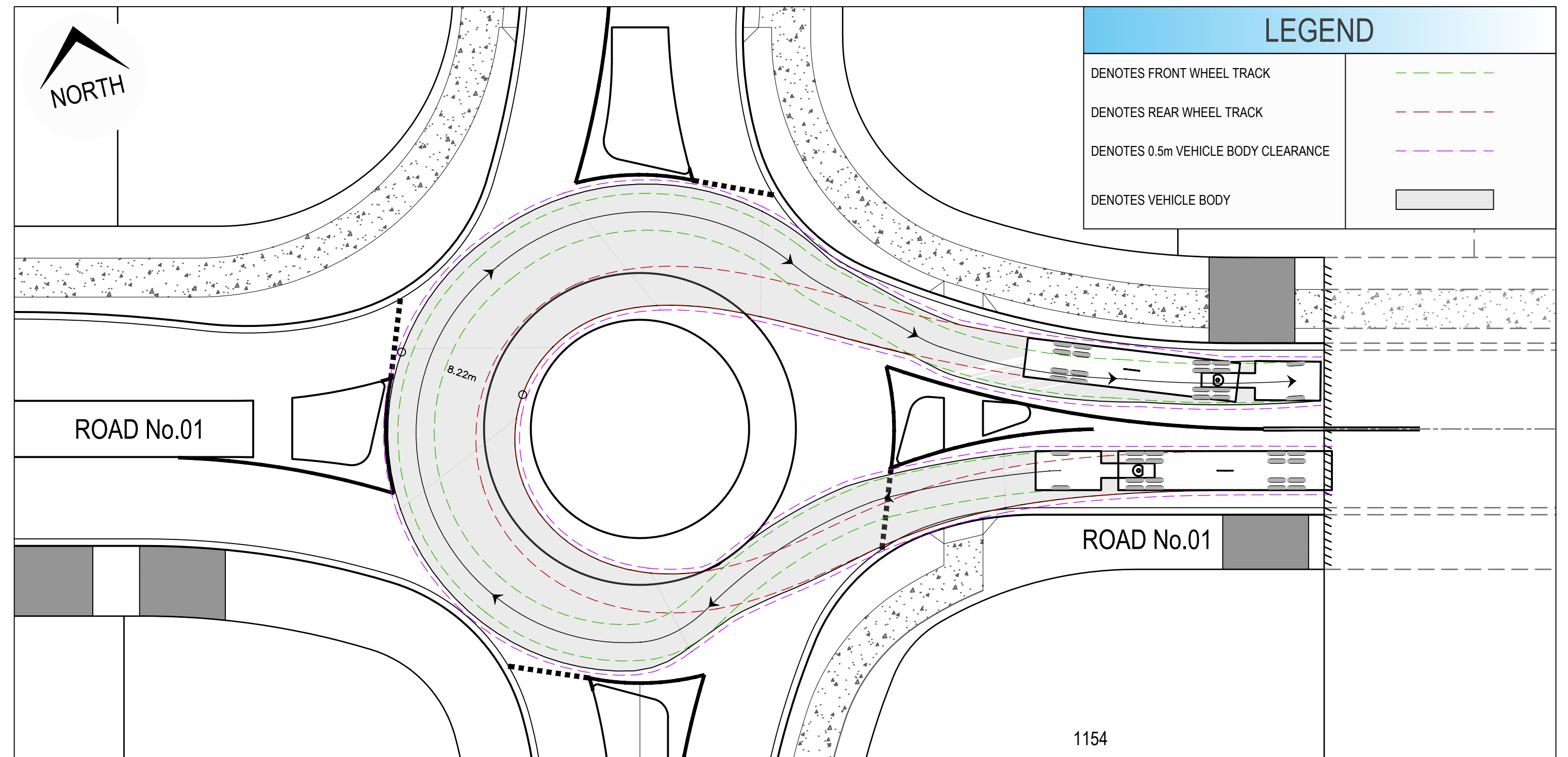


Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

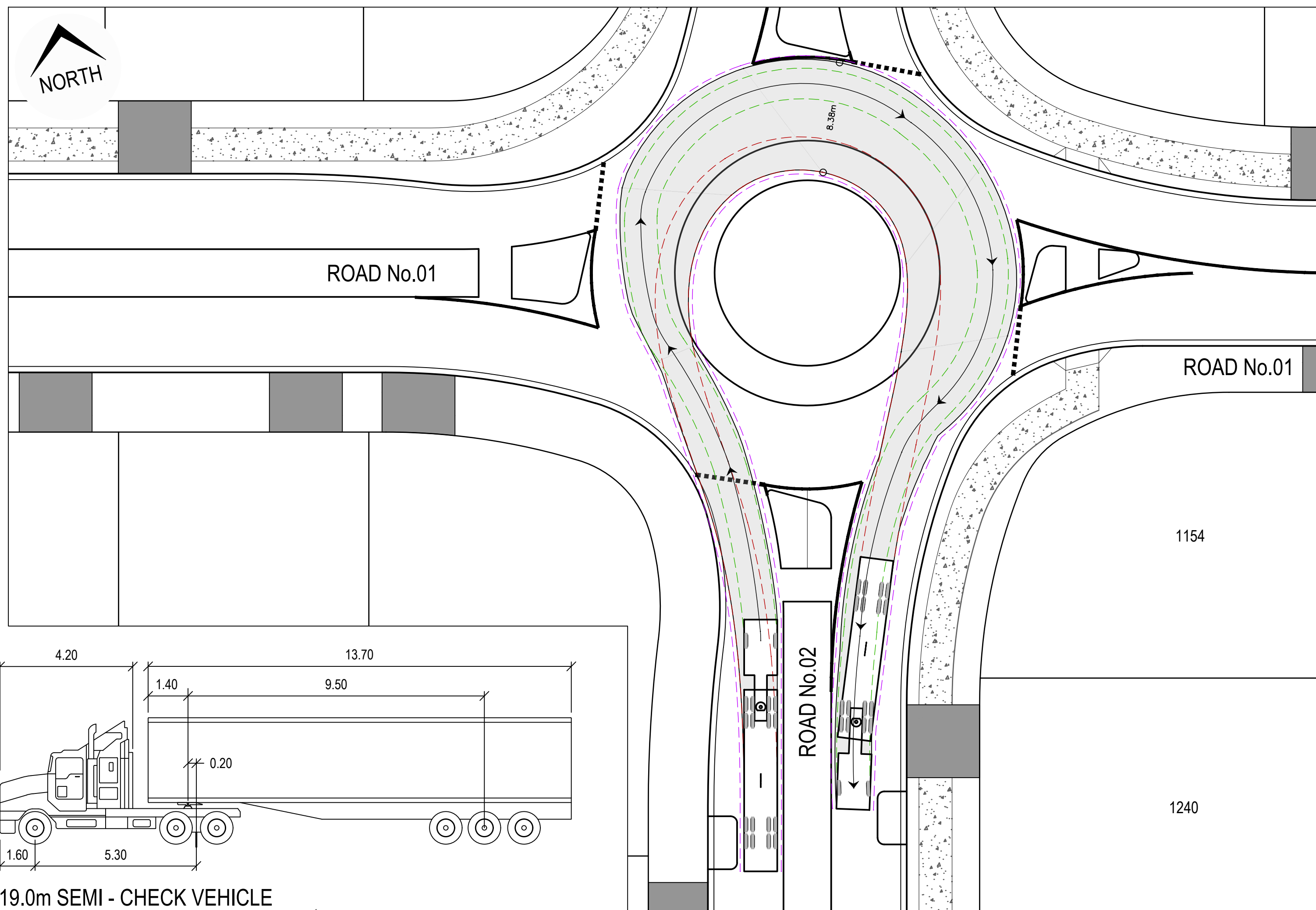
Title: 19.0M VEHICLE TURNPATH PLAN SHEET 13 OF 15	
Project No: 19-34	Set No: 01
Milestone: DA	Plan: 512
Revision: D	



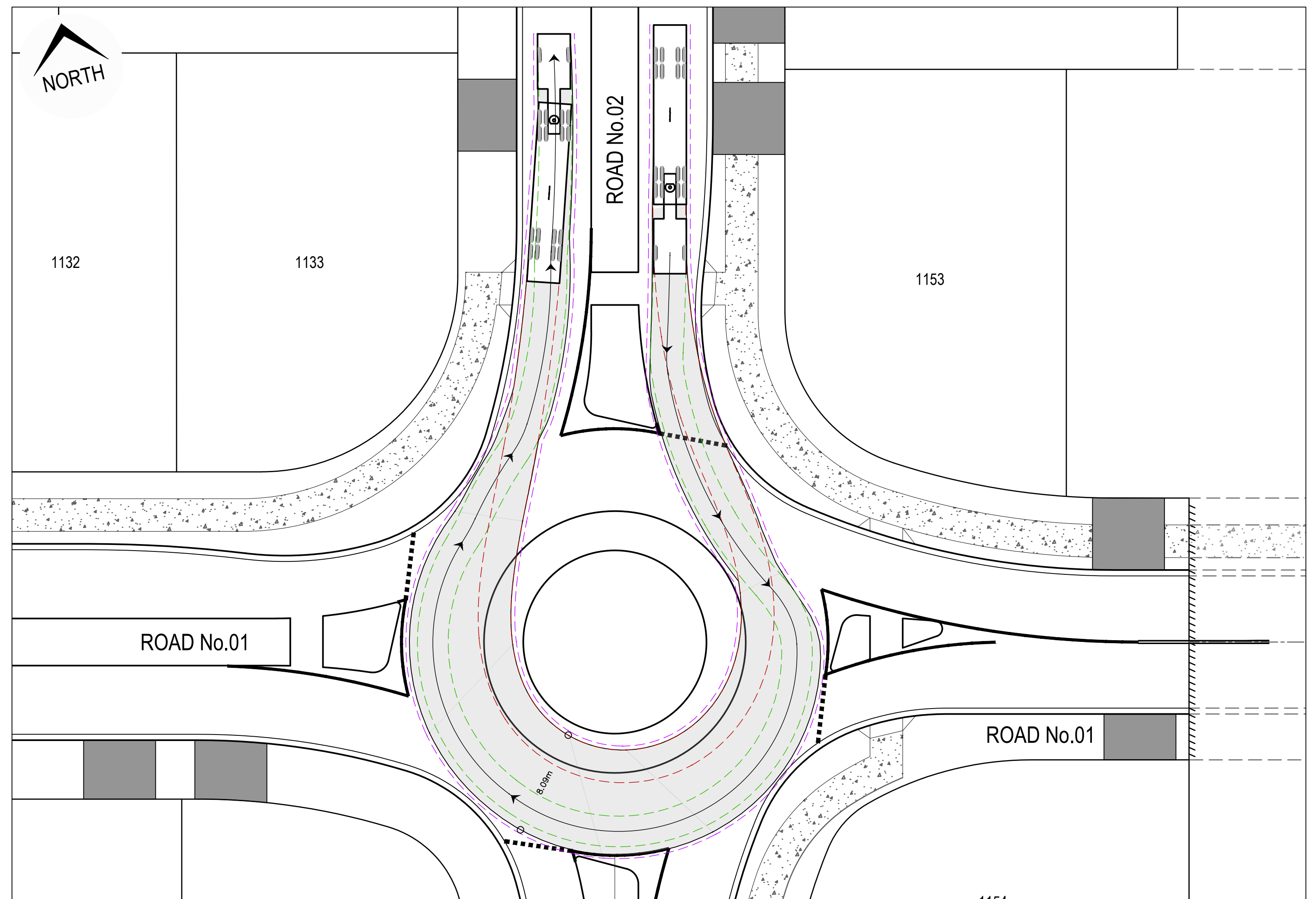
TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250

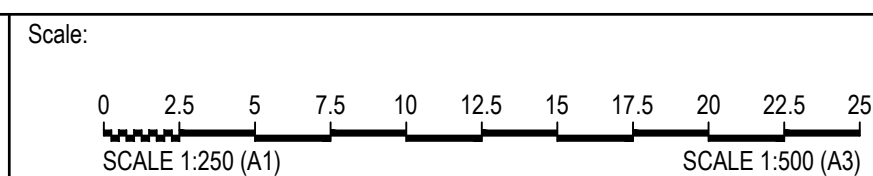
19.0m SEMI - CHECK VEHICLE

meters	
Tractor Width	: 2.50
Trailer Width	: 2.50
Tractor Track	: 2.50
Trailer Track	: 2.50
Lock to Lock Time	: 6.0
Steering Angle	: 27.8
Articulating Angle	: 70.0

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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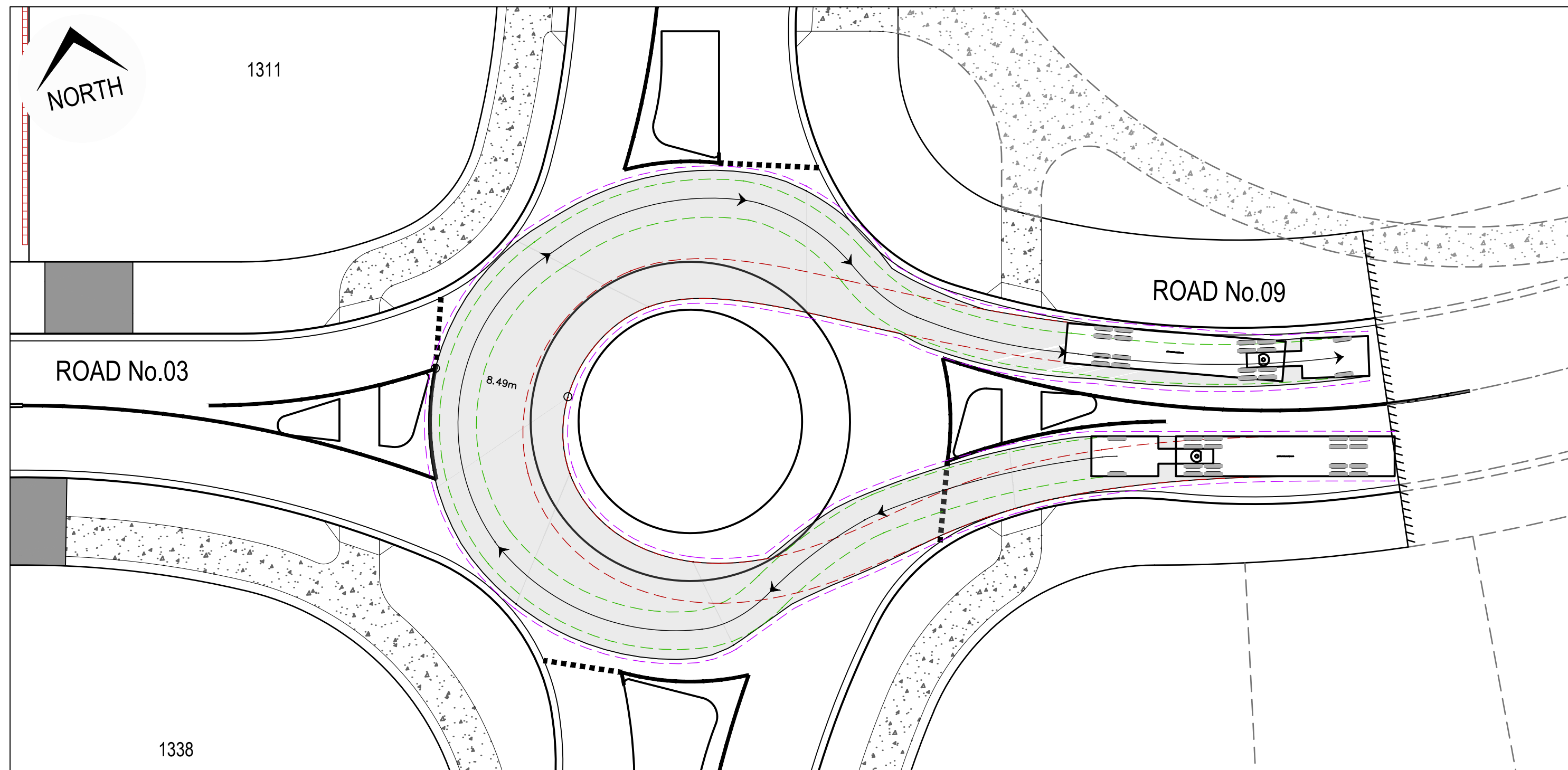


For: **Aoyuan** *building a healthy lifestyle*

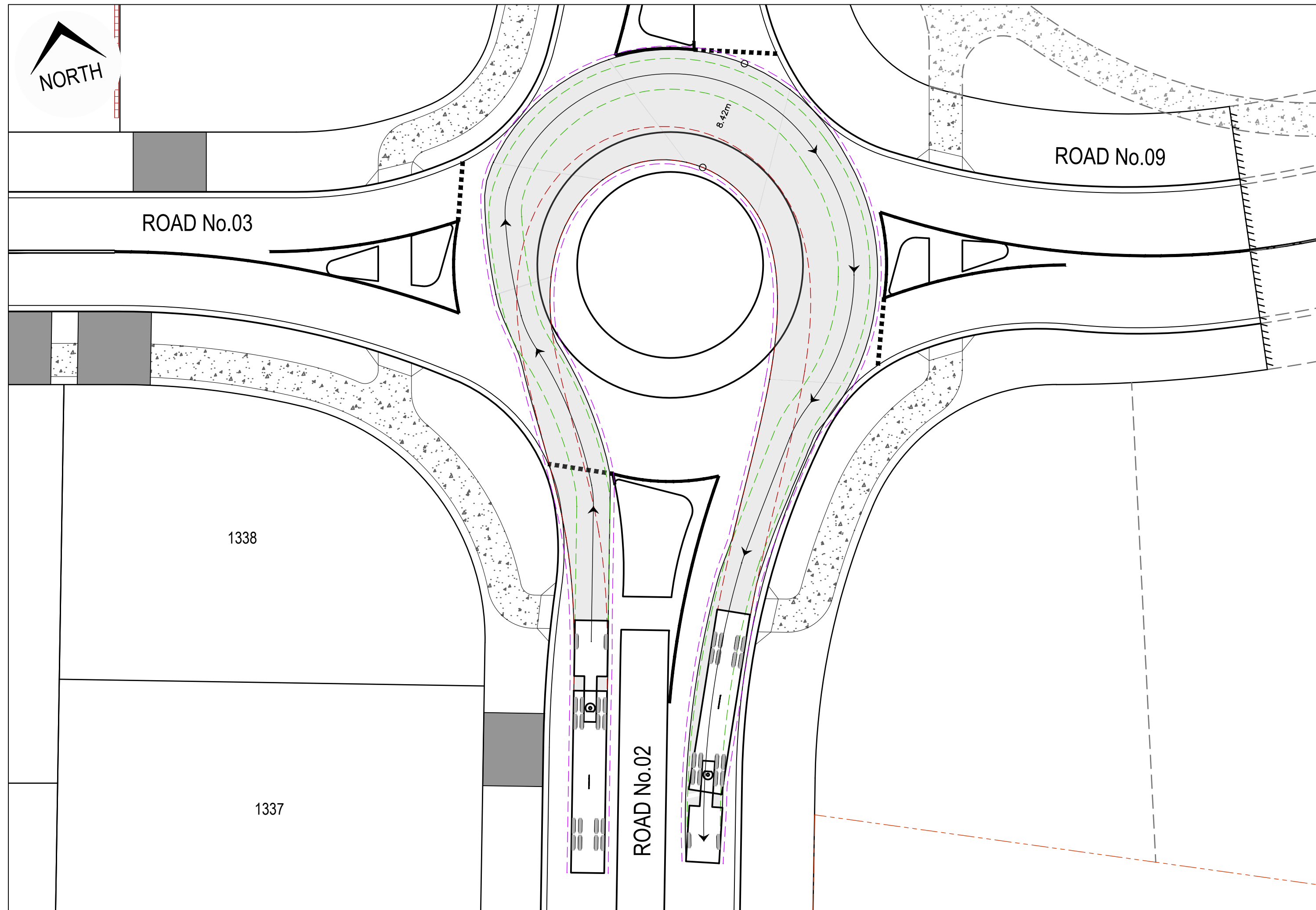
By: **Orion Consulting** CONSULT AUSTRALIA Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

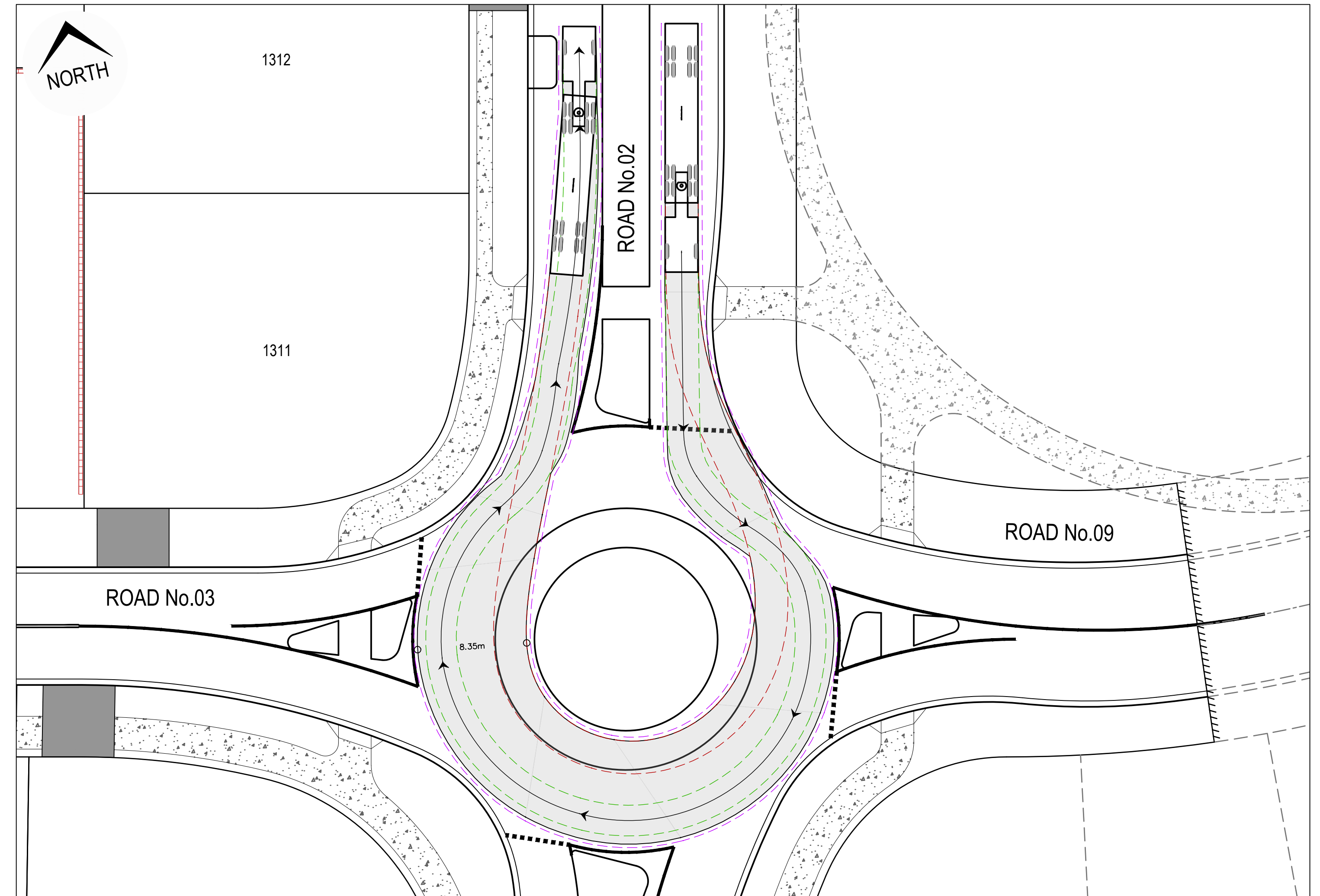
Title:		19.0M VEHICLE TURNPATH PLAN SHEET 14 OF 15			
Project No.	Set No.	Milestone	Plan	Revision	
19-34	01	DA	513	D	



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250

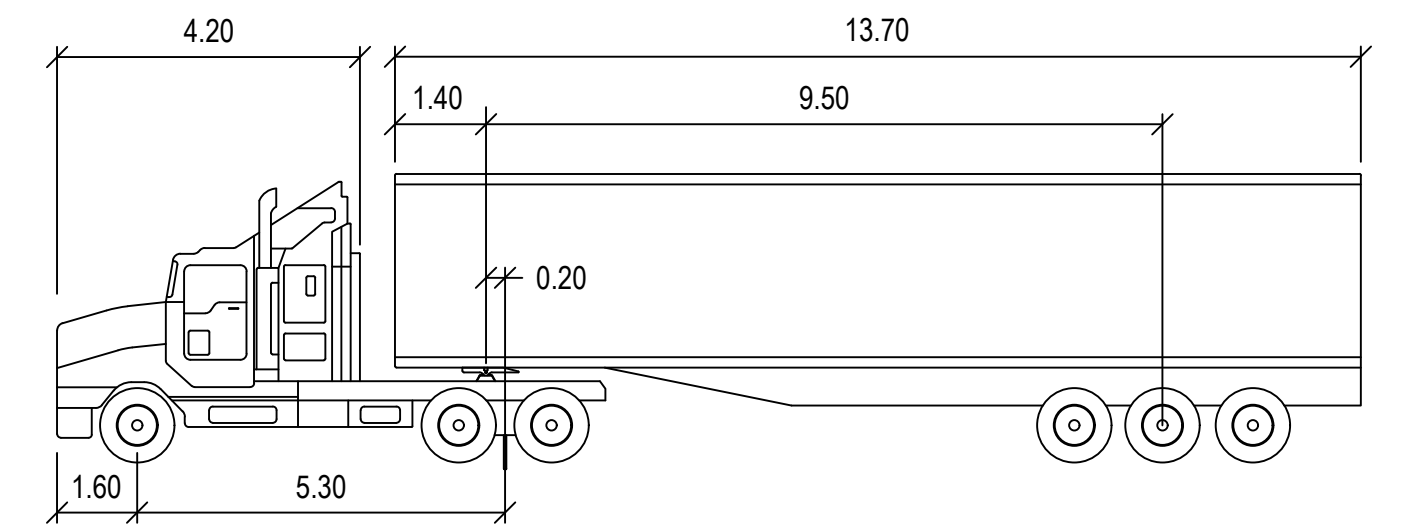


TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250



TURNPATH PLAN - 19.0m CHECK VEHICLE
SCALE 1:250

LEGEND	
DENOTES FRONT WHEEL TRACK	---
DENOTES REAR WHEEL TRACK	---
DENOTES 0.5m VEHICLE BODY CLEARANCE	---
DENOTES VEHICLE BODY	▭



19.0m SEMI - CHECK VEHICLE

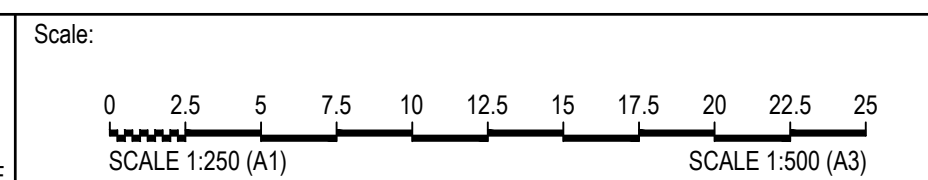
	Tractor	Trailer	Tractor	Trailer
Width	2.50	2.50	2.50	2.50
Track	2.50	2.50	2.50	2.50
Lock to Lock Time	6.0			
Steering Angle	27.8			
Articulating Angle	70.0			

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: October 2020 12:11:01 PM File Name: O:\Projects\2019\10-31 Moss Vale Stage 1 DA & BE Masterplan Design\1 Residential Subdivision\DA\15\DA-514.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM		30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM		09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM		06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan** building a healthy lifestyle

By: **Orion Consulting** **CONSULT AUSTRALIA** Member Firm
ABN:25 604 069 981 PO Box:7936, BAULKHAM HILLS NSW 2153 T:(02) 8660 0035 E:info@orionconsulting.com.au

Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	514	D

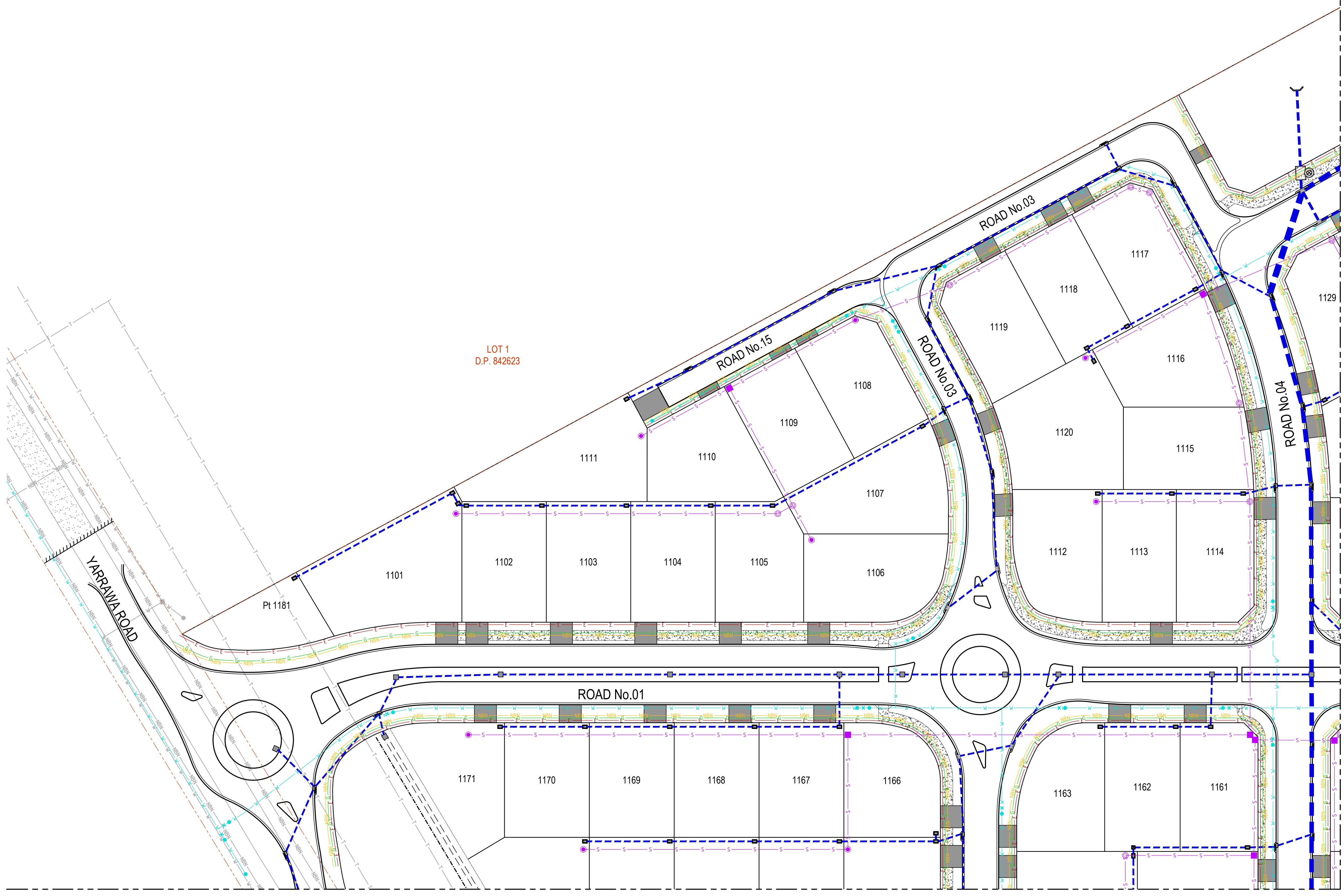


LEGEND

	EXISTING	PROPOSED	FUTURE
UTILITY - ELECTRICITY	E	E	E
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
COMMUNICATIONS	NBN	NBN	NBN

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IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY, LOCATE AND AVOID DAMAGE TO THEM AS SPECIFIED BY EACH UTILITIES EXCAVATION GUIDE LINES/STANDARDS.



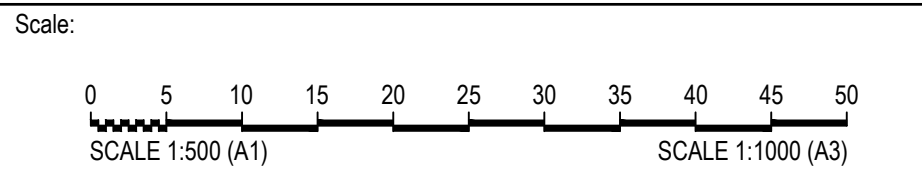
REFER TO DRAWING 604 FOR CONTINUATION

REFER TO DRAWING 601 FOR CONTINUATION

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For:

By:

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

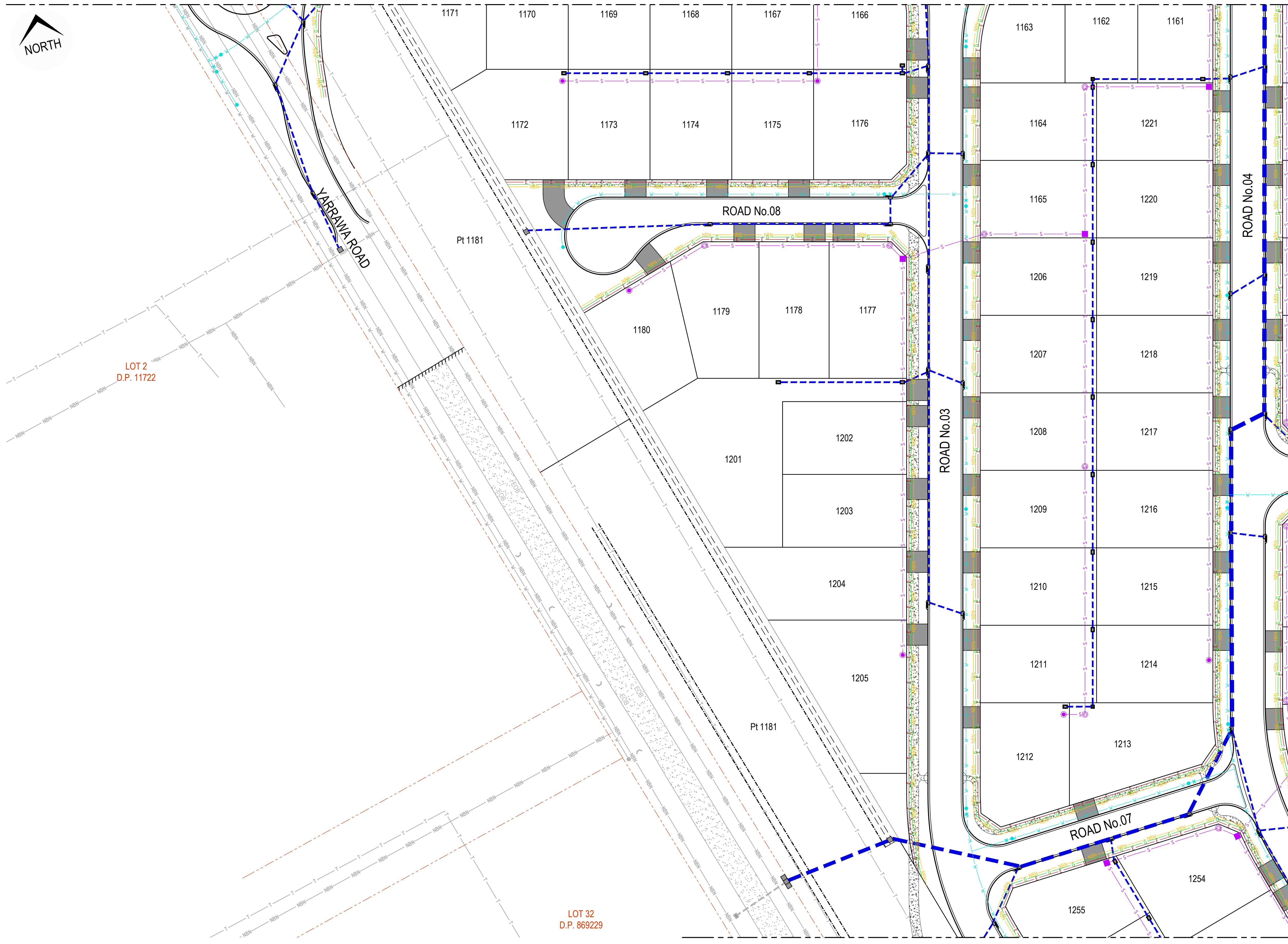
Project:

STAGE 1
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	600	D

Project: October 2020 12:11:11 PM File Name: C:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan\Design\Residential\Subdivision\DA\19-34 DA 600.dwg

REFER TO DRAWING 600 FOR CONTINUATION



LEGEND			
UTILITY -	EXISTING	PROPOSED	FUTURE
ELECTRICITY	E	E	E
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
COMMUNICATIONS	NBN	NBN	NBN

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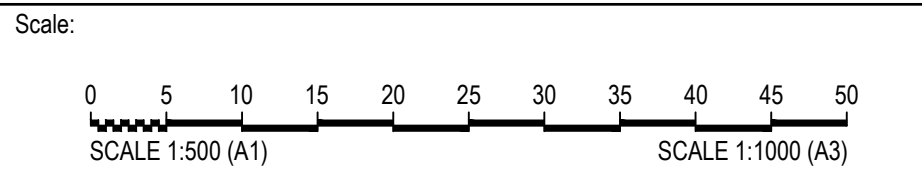
REFER TO DRAWING 603 FOR CONTINUATION

REFER TO DRAWING 602 FOR CONTINUATION

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan** *building a healthy lifestyle*

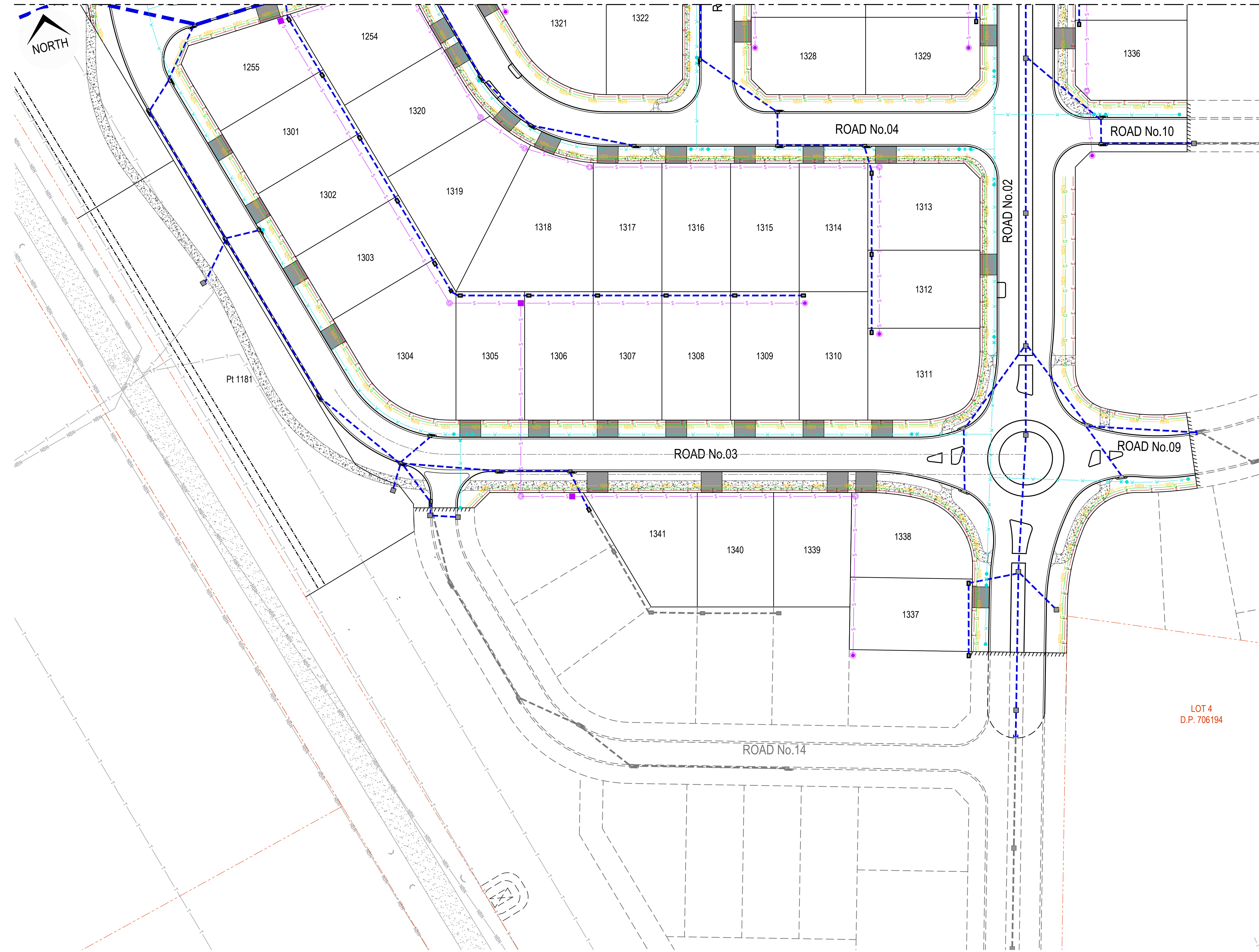
By: **Orion Consulting**
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Project: **STAGE 1**
32 LOVELLE STREET &
141 YARRAWA ROAD, MOSS VALE,
ROAD & DRAINAGE DESIGN

Title: CONCEPT COMBINED SERVICES LAYOUT PLAN SHEET 02 OF 07				
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	601	D

Project: October, 2020 12:11:22 PM File Name: C:\Projects\2019\19-34 Moss Vale Stage 1 DA & BE Masterplan\Design\Residential\Subdivision\DA\19-34 DA-601.dwg

REFER TO DRAWING 603 FOR CONTINUATION



UTILITY -	LEGEND		
	EXISTING	PROPOSED	FUTURE
ELECTRICITY	E	E	E
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
COMMUNICATIONS	NBN	NBN	NBN

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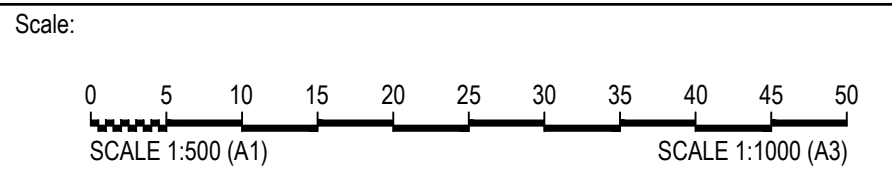
LOT 4
D.P. 706194

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: October 2020 12:11:32 PM File Name: C:\Projects\20191031_Moss Vale Stage 1 DA & BE Masterplan\Design\Residential\Subdivision\DA1934\DA_602.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan** *building a healthy lifestyle*

By: **Orion Consulting**
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Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: CONCEPT COMBINED SERVICES LAYOUT PLAN SHEET 03 OF 07				
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	602	D

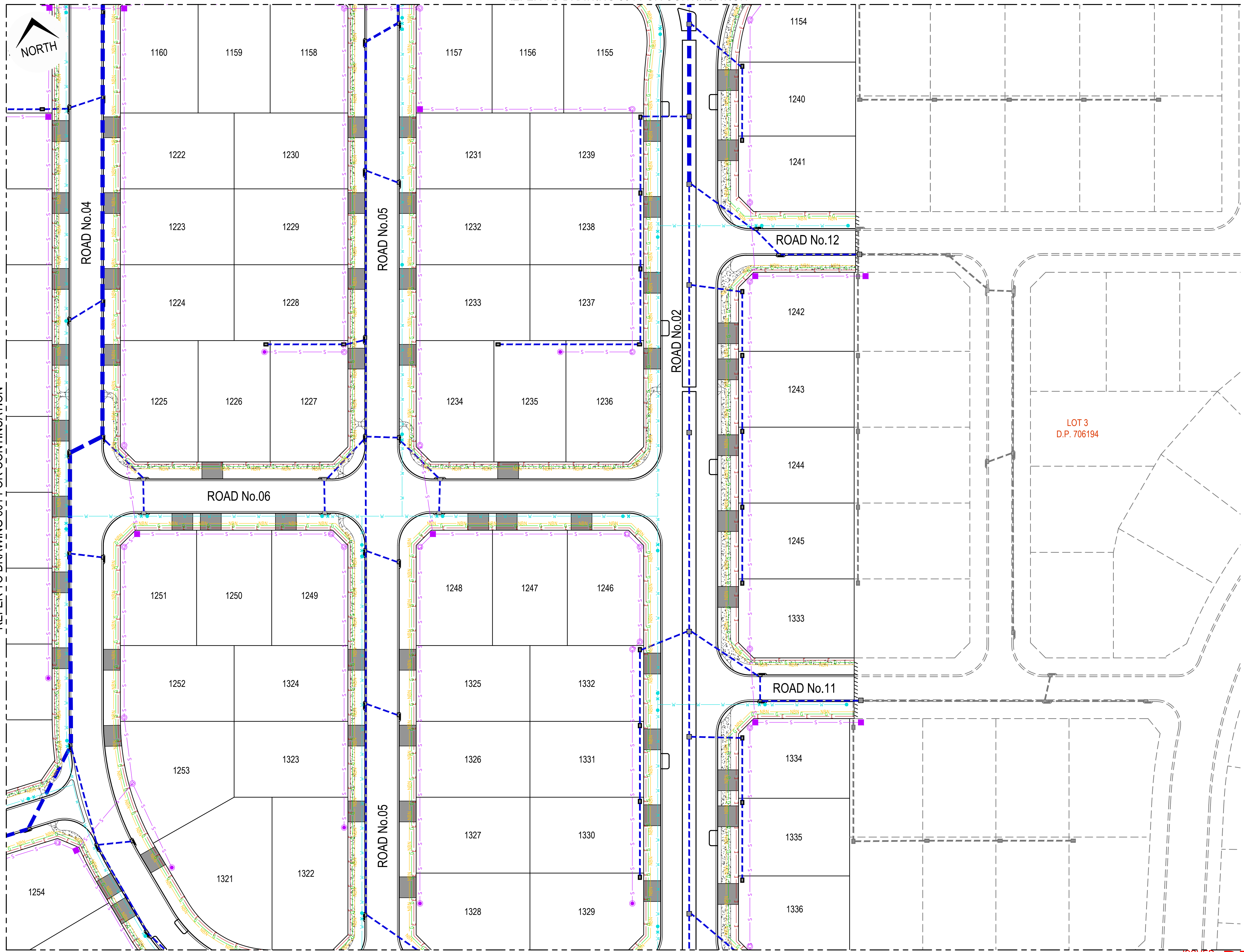
REFER TO DRAWING 604 FOR CONTINUATION

LEGEND			
UTILITY -	EXISTING	PROPOSED	FUTURE
ELECTRICITY	E	E	E
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
COMMUNICATIONS	NBN	NBN	NBN

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REFER TO DRAWING 601 FOR CONTINUATION



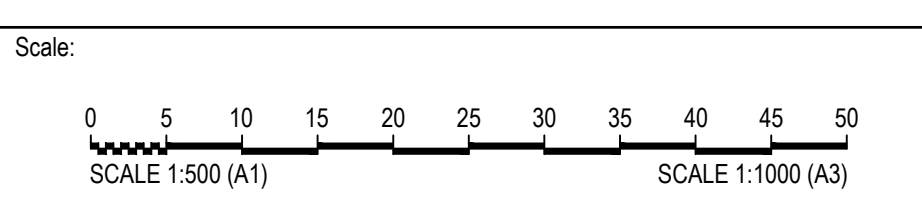
LOT 3
D.P. 706194

REFER TO DRAWING 602 FOR CONTINUATION

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NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan** building a healthy lifestyle

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Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: CONCEPT COMBINED SERVICES LAYOUT PLAN SHEET 04 OF 07				
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	603	D

REFER TO DRAWING 605 FOR CONTINUATION



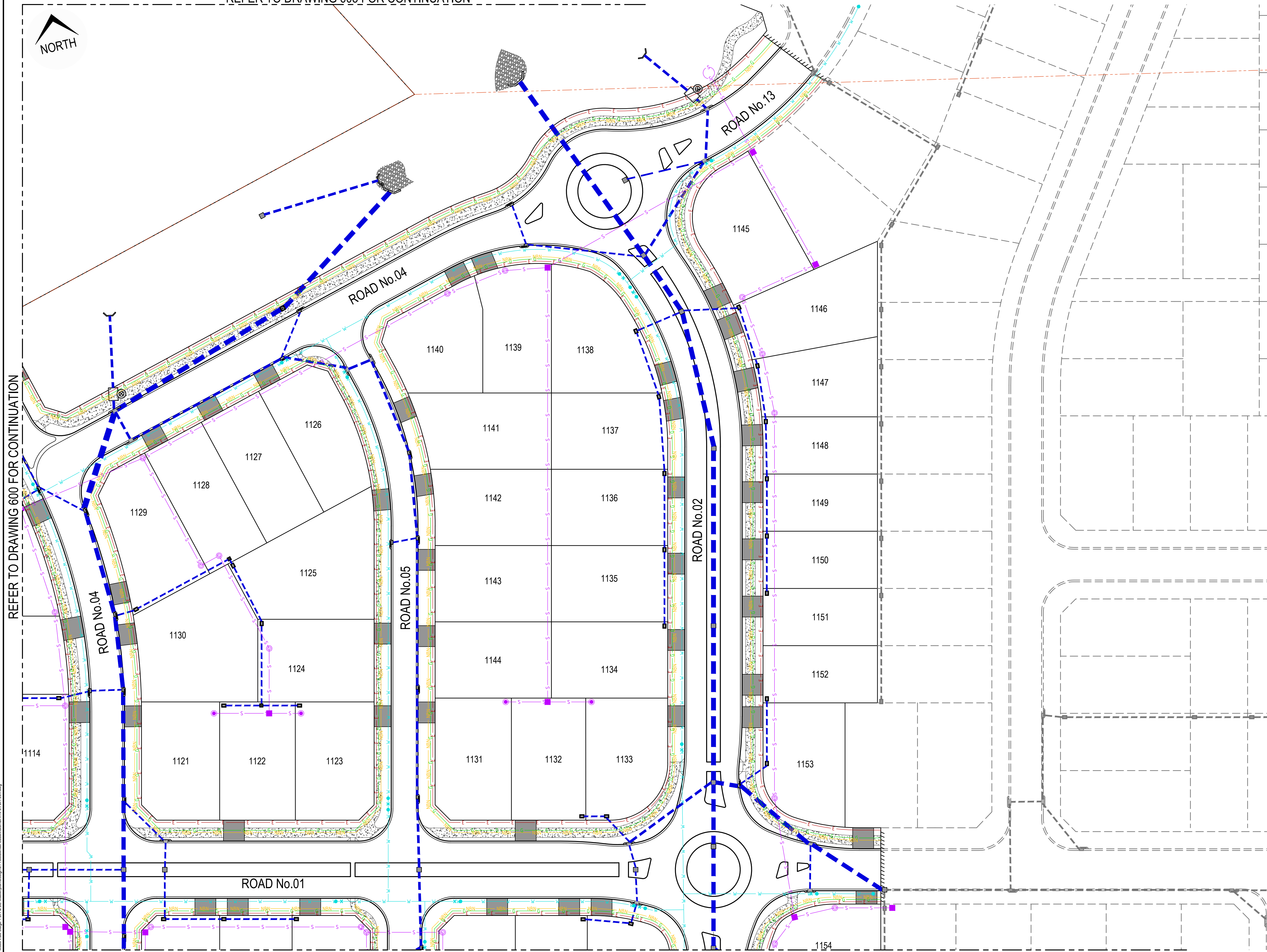
UTILITY -	LEGEND		
	EXISTING	PROPOSED	FUTURE
ELECTRICITY	E	E	E
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
COMMUNICATIONS	NBN	NBN	NBN

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REFER TO DRAWING 600 FOR CONTINUATION

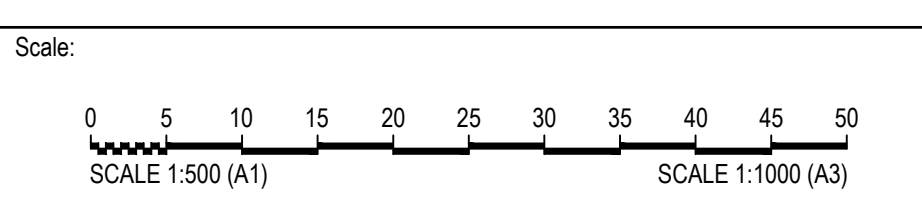


REFER TO DRAWING 603 FOR CONTINUATION

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM		30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM		09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM		06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan** *building a healthy lifestyle*

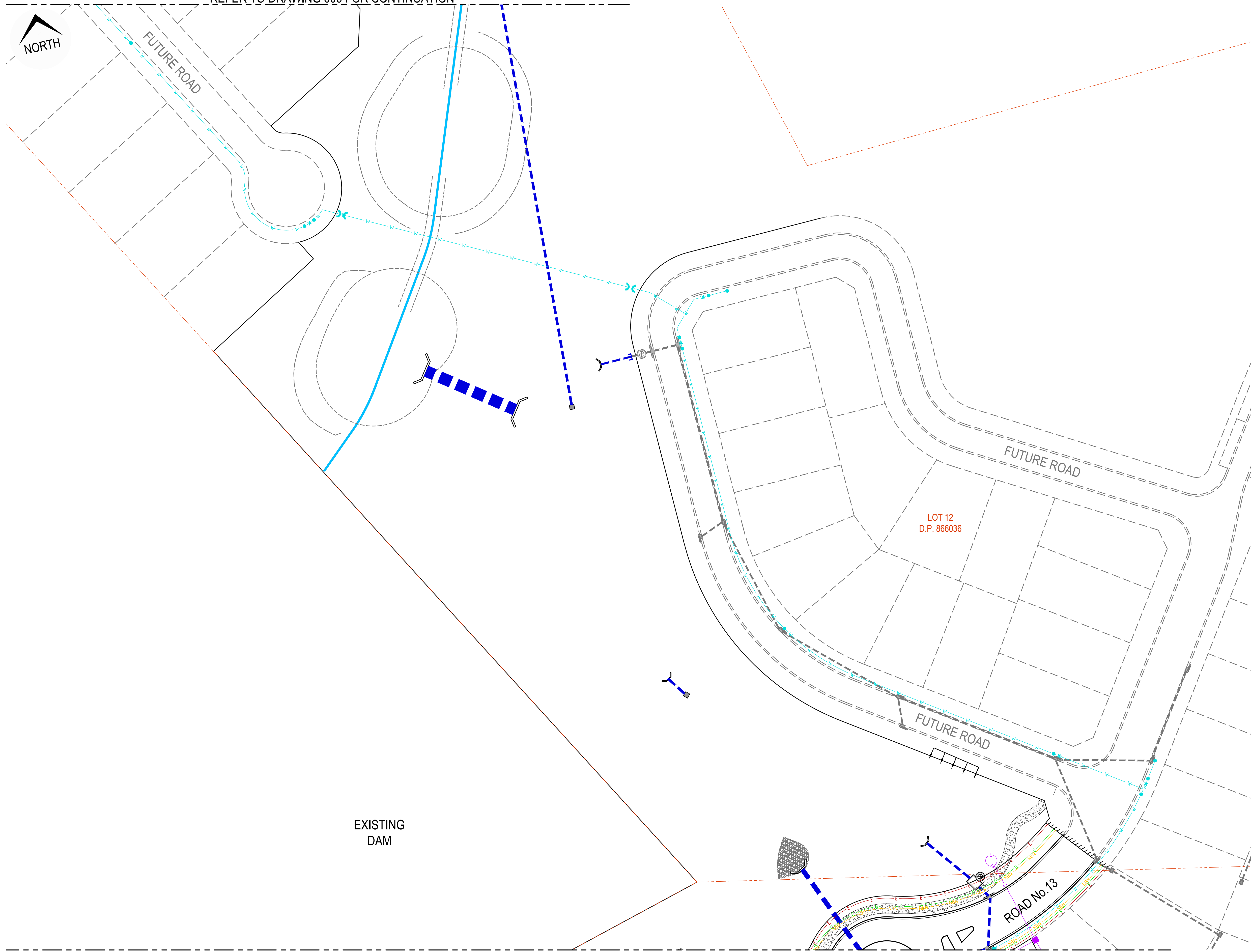
By: **Orion Consulting** *Member Firm*

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Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: CONCEPT COMBINED SERVICES LAYOUT PLAN SHEET 05 OF 07				
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	604	D

REFER TO DRAWING 606 FOR CONTINUATION



NORTH

LEGEND

	EXISTING	PROPOSED	FUTURE
UTILITY - ELECTRICITY	E	E	E
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
COMMUNICATIONS	NBN	NBN	NBN

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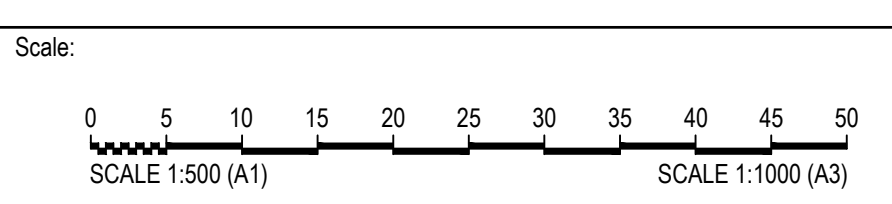
REFER TO DRAWING 604 FOR CONTINUATION

ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: October 2020 12:03 PM File Name: O:\Projects\2019\10_30_Moss Vale Stage 1 DA & BE Masterplan\Design\Residential\Subdivision\DA\19_34_DA_605.dwg

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For: **Aoyuan** *building a healthy lifestyle*

By: **Orion Consulting**
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Project: **STAGE 1**
32 LOVELLE STREET & 141 YARRAWA ROAD, MOSS VALE, ROAD & DRAINAGE DESIGN

Title: CONCEPT COMBINED SERVICES LAYOUT PLAN SHEET 06 OF 07				
Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	605	D

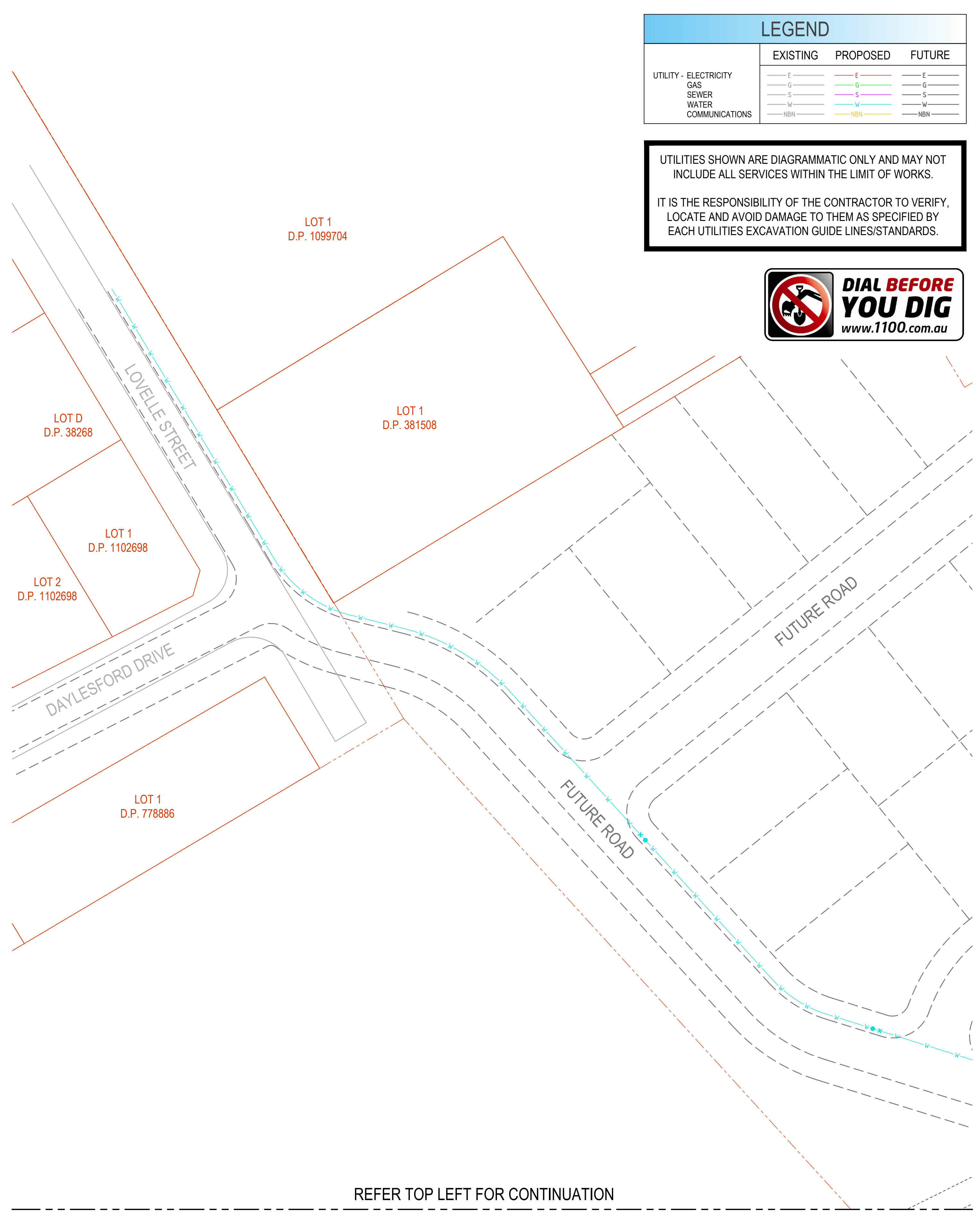
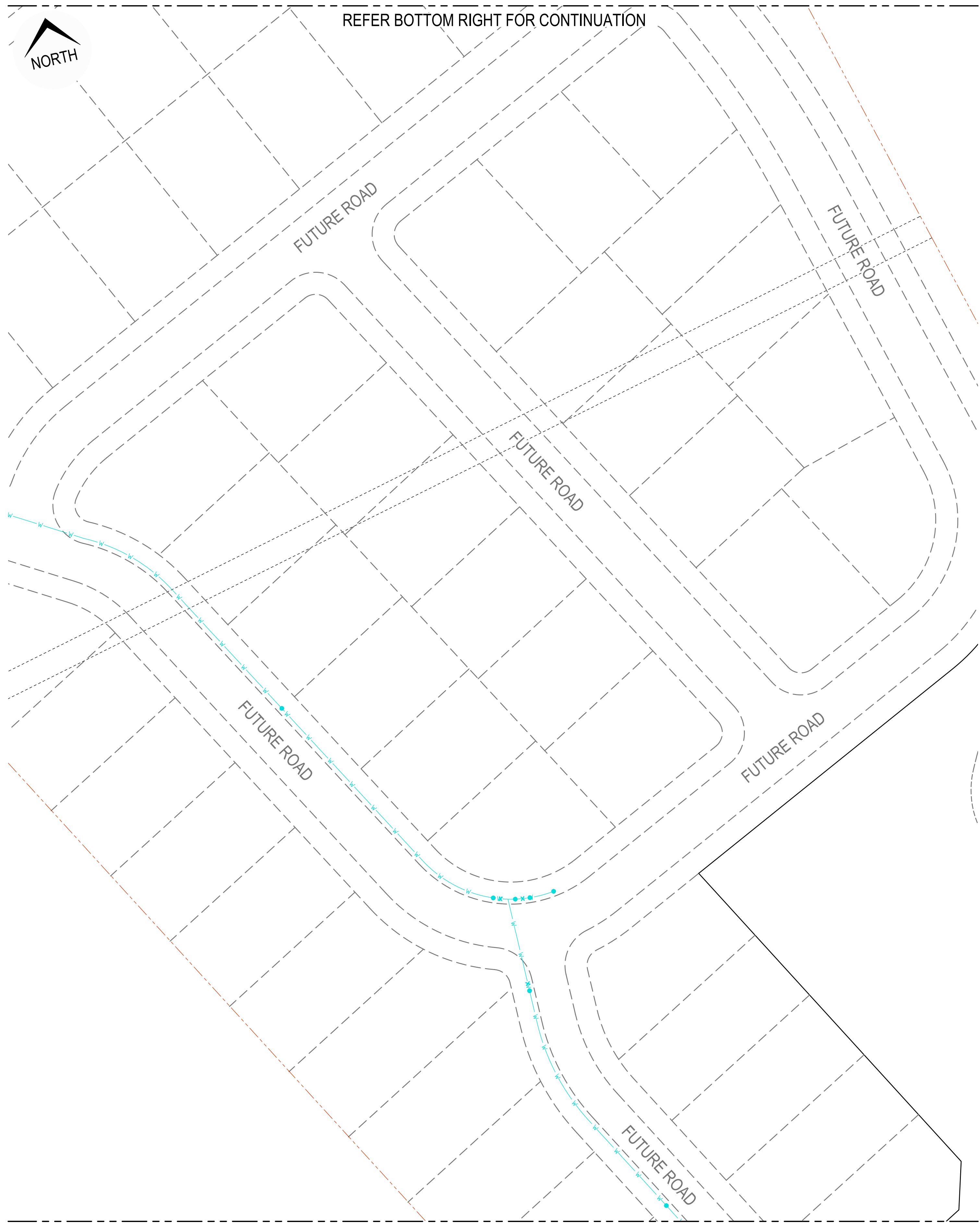


REFER BOTTOM RIGHT FOR CONTINUATION

LEGEND			
	EXISTING	PROPOSED	FUTURE
UTILITY - ELECTRICITY	E	E	E
GAS	G	G	G
SEWER	S	S	S
WATER	W	W	W
COMMUNICATIONS	NBN	NBN	NBN

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REFER TO DRAWING 605 FOR CONTINUATION

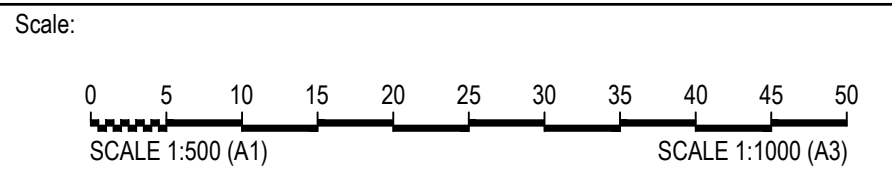
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ISSUED FOR **DEVELOPMENT APPLICATION**
NOT FOR CONSTRUCTION

Project: October 2020 12:42:19 PM File Name: O:\Projects\2019\13\34 Moss Vale Stage 1 DA & BE Masterplan Design\11 Residential Subdivision\DA\13\34 DA_606.dwg
 Rev Drawn Design Appd. Date Revision Description

Rev	Drawn	Design	Appd.	Date	Revision Description
D	MS	JM	-	30/09/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
C	MS	JM	-	09/04/2020	RE-ISSUED FOR DEVELOPMENT APPLICATION
B	SA	JM	-	06/11/2019	REVISED LOT LAYOUT
A	SA	JM	MP	11/07/2019	ISSUED FOR DEVELOPMENT APPLICATION

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For:

By:

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

Project:

STAGE 1
 32 LOVELLE STREET &
 141 YARRAWA ROAD, MOSS VALE,
 ROAD & DRAINAGE DESIGN

Title:

CONCEPT COMBINED
 SERVICES LAYOUT PLAN
 SHEET 07 OF 07

Project No.	Set No.	Milestone	Plan	Revision
19-34	01	DA	606	D