

LEGEND

STAGE 2 BOUNDARY

STAGE 1 BOUNDARY

LOT BOUNDARY

PROPOSED RAINGARDEN

PROPOSED RETAINING WALL

SUBSOIL DRAIN

PARKING BAYS

COMMUNAL RAINGARDENS

RAISED SPEED TABLE

DIRECTIONAL INDICATOR

WARNING INDICATOR

CARRIAGEWAY

FOOTPATH

CYCLE PATH

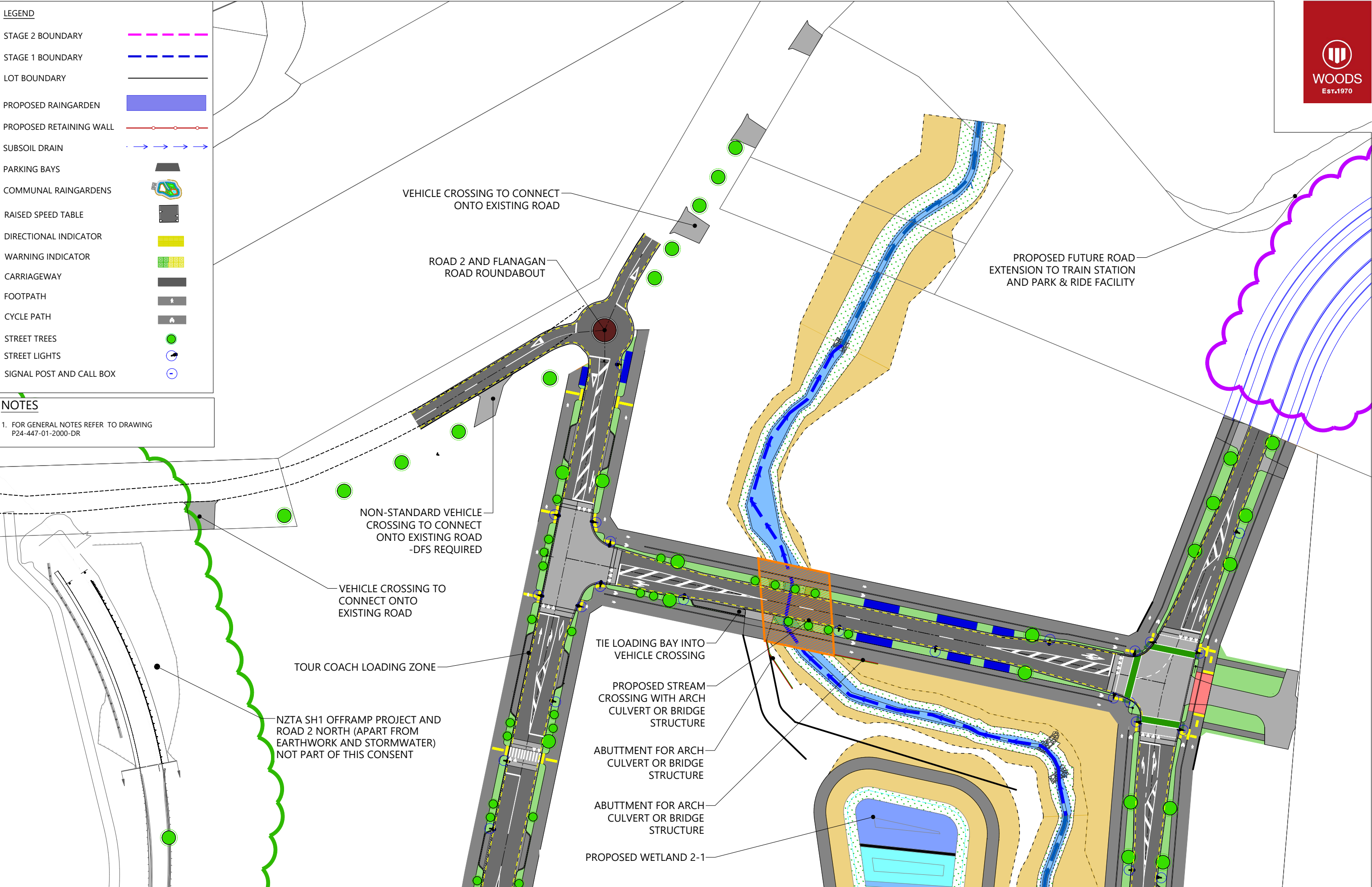
STREET TREES

STREET LIGHTS


SIGNAL POST AND CALL BOX

NOTES

1. FOR GENERAL NOTES REFER TO DRAWING P24-447-01-2000-DR



REVISION DETAILS		INT	DATE	SURVEYED	
6	ISSUED FOR 99% SUBMISSION	MF-E	10/02/2025	DESIGNED	NS
7	ISSUED FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	NS
8	ISSUED FOR S67 RESPONSE	EW	17/07/2025	CHECKED	GW
9	ISSUED FOR S67 RESPONSE	EW	23/07/2025	APPROVED	GW





BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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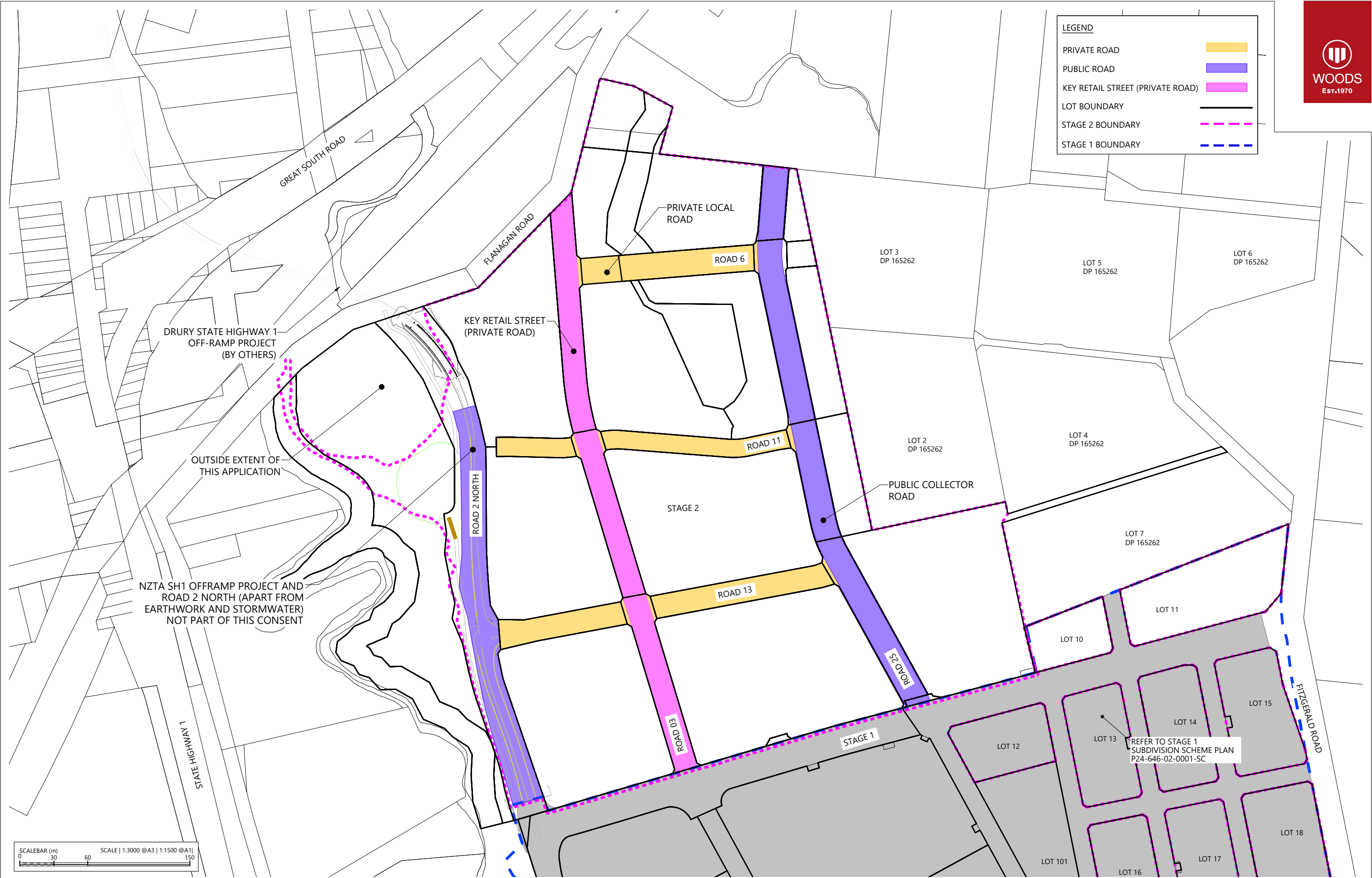
DRURY CENTRE-STAGE 2

ROADING PLAN (SHEET 4 OF 4)




STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2004-DR	

Plot Date: 5:49:57 pm 23 July 2025, ELAWA
File: C:\1205\DATA\WP-AKL-APP-02\P24-447-DRURY CENTRE-STAGE 2_2214002 DRAWINGS\01 ENG\P24-447-01-2000-RD_ROADING PLANDWG



Plot Date: 11:13:03 am,23 July 2025, MANDARK
File: C:\1205\DATA\WP-AKL-APP-02\P24-447 - DRURY CENTRE - STAGE 2_2214002 DRAWINGS\01 ENG\P24-447-01-2030-RD_ROAD HIERARCHY PLANDWG

REVISION DETAILS		INT	DATE	SURVEYED		
4	ISSUED FOR 99% SUBMISSION	EW	10/02/25	DESIGNED	NS	
5	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS	
6	FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW	
9	FOR S67 RESPONSE	MK	23/07/25	APPROVED	GW	



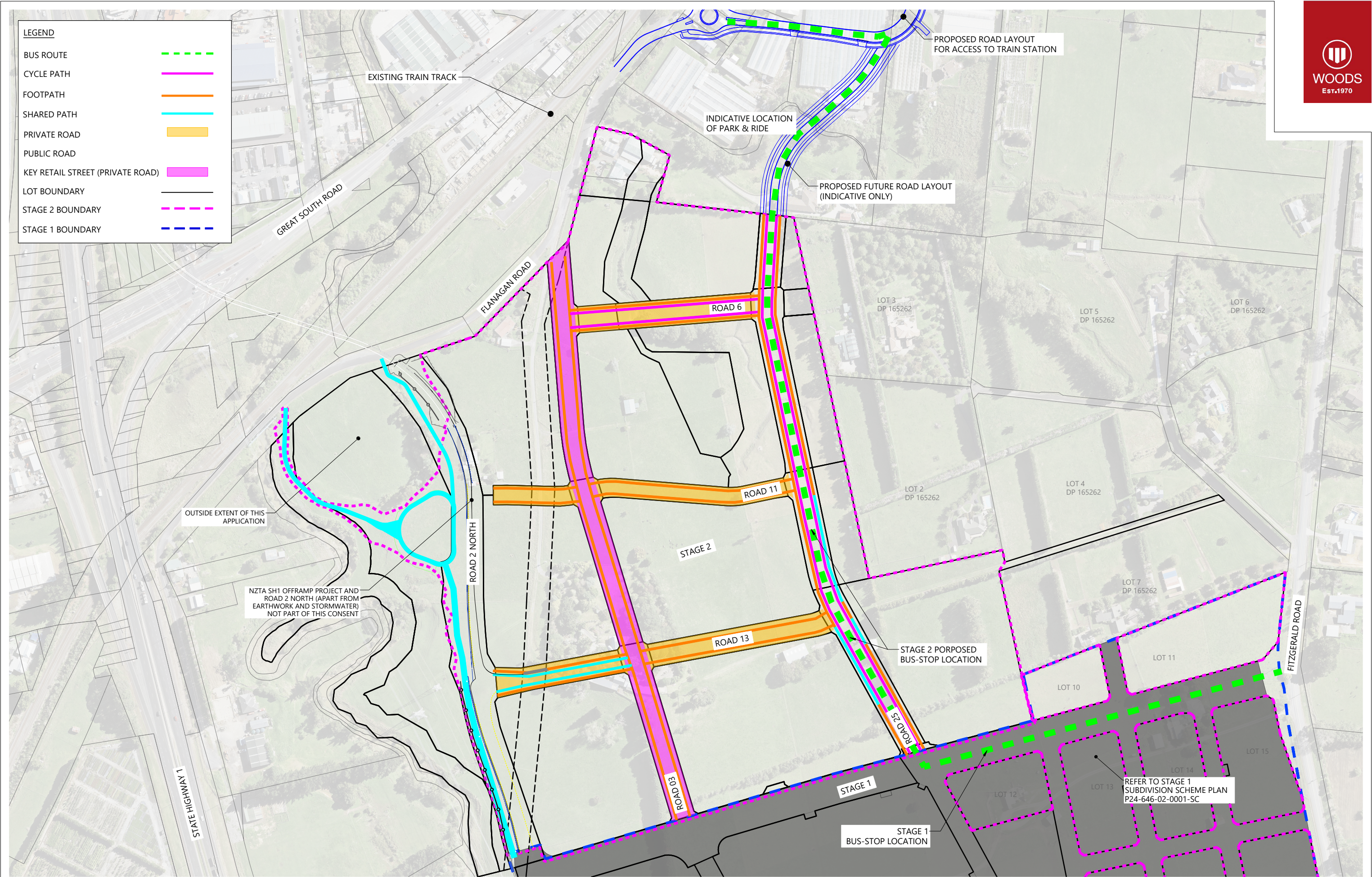
BUILDING B, LEVEL 1
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DRURY CENTRE-STAGE 2
ROAD HIERARCHY PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2030-RD	



REVISION DETAILS					INT	DATE	SURVEYED	
4	ISSUED FOR 99% SUBMISSION	EW	10/02/25	DESIGNED	NS			
5	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS			
6	FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW			
9	FOR S67 RESPONSE	MK	23/07/25	APPROVED	GW			



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DRURY CENTRE-STAGE 2
TRANSPORT NETWORK PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2040-RD	

LEGEND

PARKING BAYS

BERM RAINGARDENS

STREETLIGHTS

RAISED PEDESTRIAN CROSSING

CARRIAGEWAY

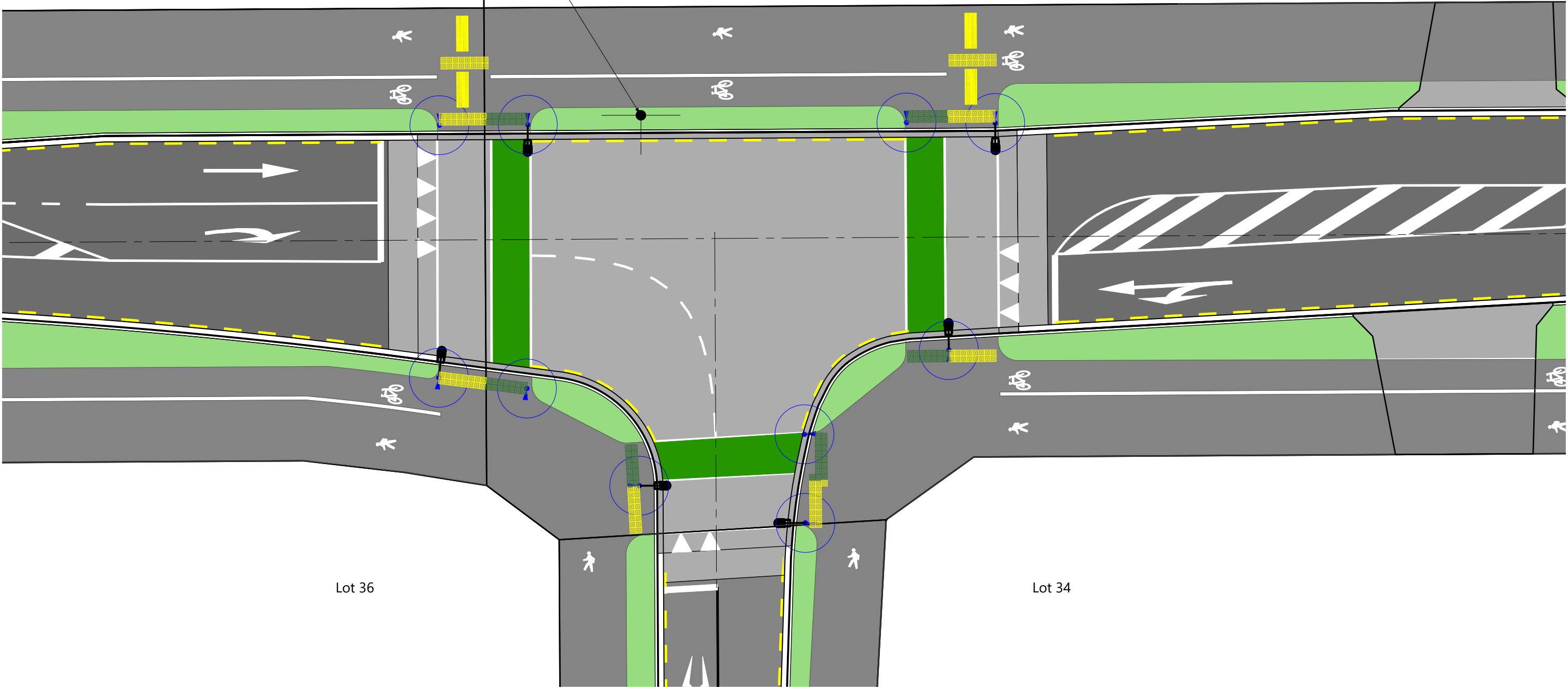
NOTES:

ALL INTERSECTIONS ARE RAISED FOR 30KM/H SPEED ENVIRONMENT.

REFER TO CKL REPORTING FOR SIGNALISATION DESIGN.



STREET NAME SIGN



Lot 36

Lot 34

REVISION DETAILS				
2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED NS
3	ISSUED FOR RAST TRACK CONSENT	EW	21/02/2025	DRAWN NS
4	ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/2025	APPROVED GW



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DRURY CENTRE-STAGE 2

PROPOSED SIGNALISED T-INTERSECTION DETAIL



STATUS	FOR S67 RESPONSE	REV
SCALE	1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2050-RD	

LEGEND

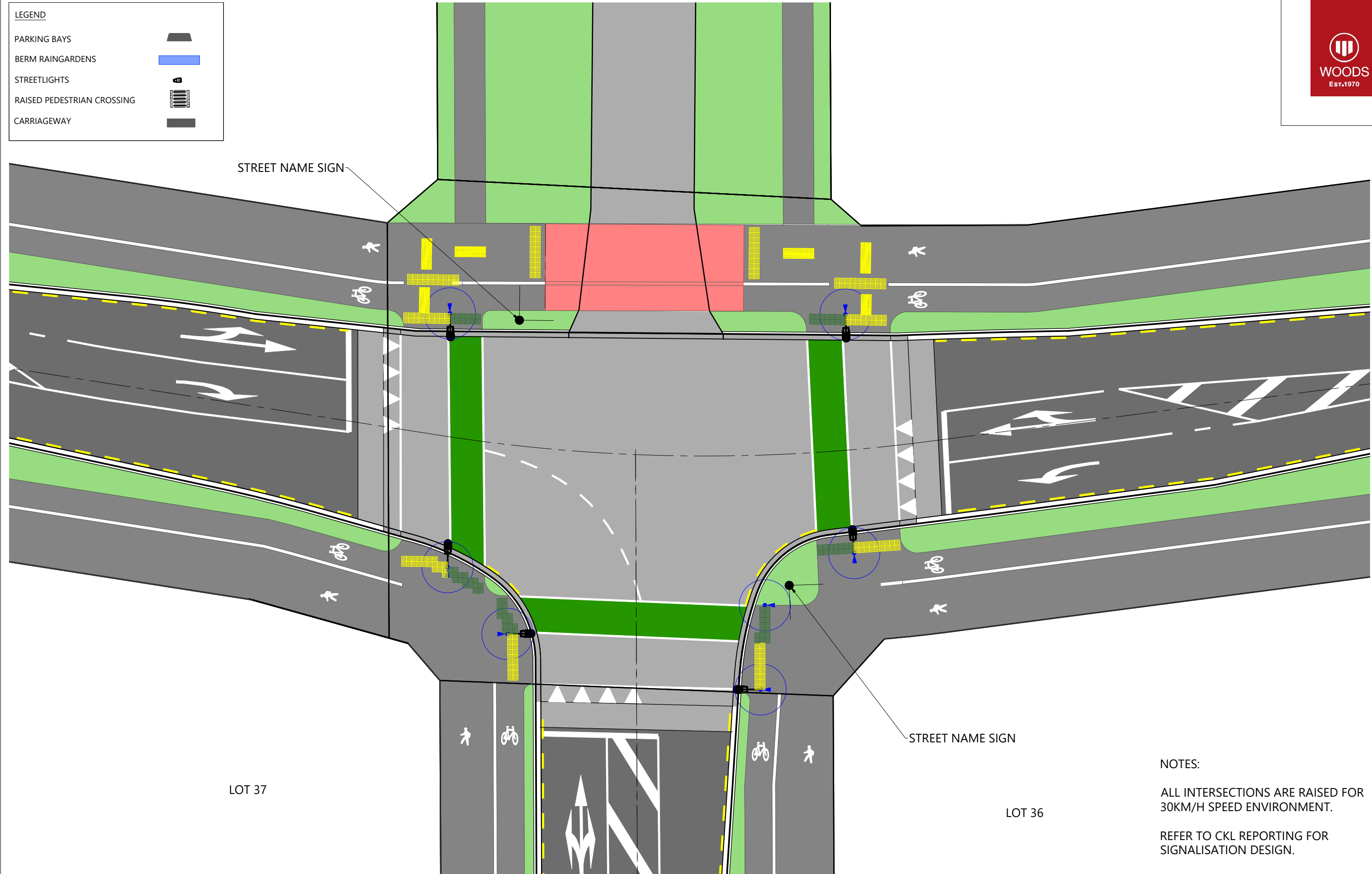
PARKING BAYS

BERM RAINGARDENS

STREETLIGHTS

RAISED PEDESTRIAN CROSSING

CARRIAGEWAY



NOTES:

ALL INTERSECTIONS ARE RAISED FOR 30KM/H SPEED ENVIRONMENT.

REFER TO CKL REPORTING FOR SIGNALISATION DESIGN.

REVISION DETAILS				
2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED NS
3	ISSUED FOR RAST TRACK CONSENT	EW	21/02/2025	DRAWN NS
4	ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/2025	APPROVED GW



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DRURY CENTRE-STAGE 2

PROPOSED T-INTERSECTION DETAIL



STATUS	FOR S67 RESPONSE	REV
SCALE	1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2051-RD	

END

PAVING BAYS

RAINGARDENS

STREETLIGHTS

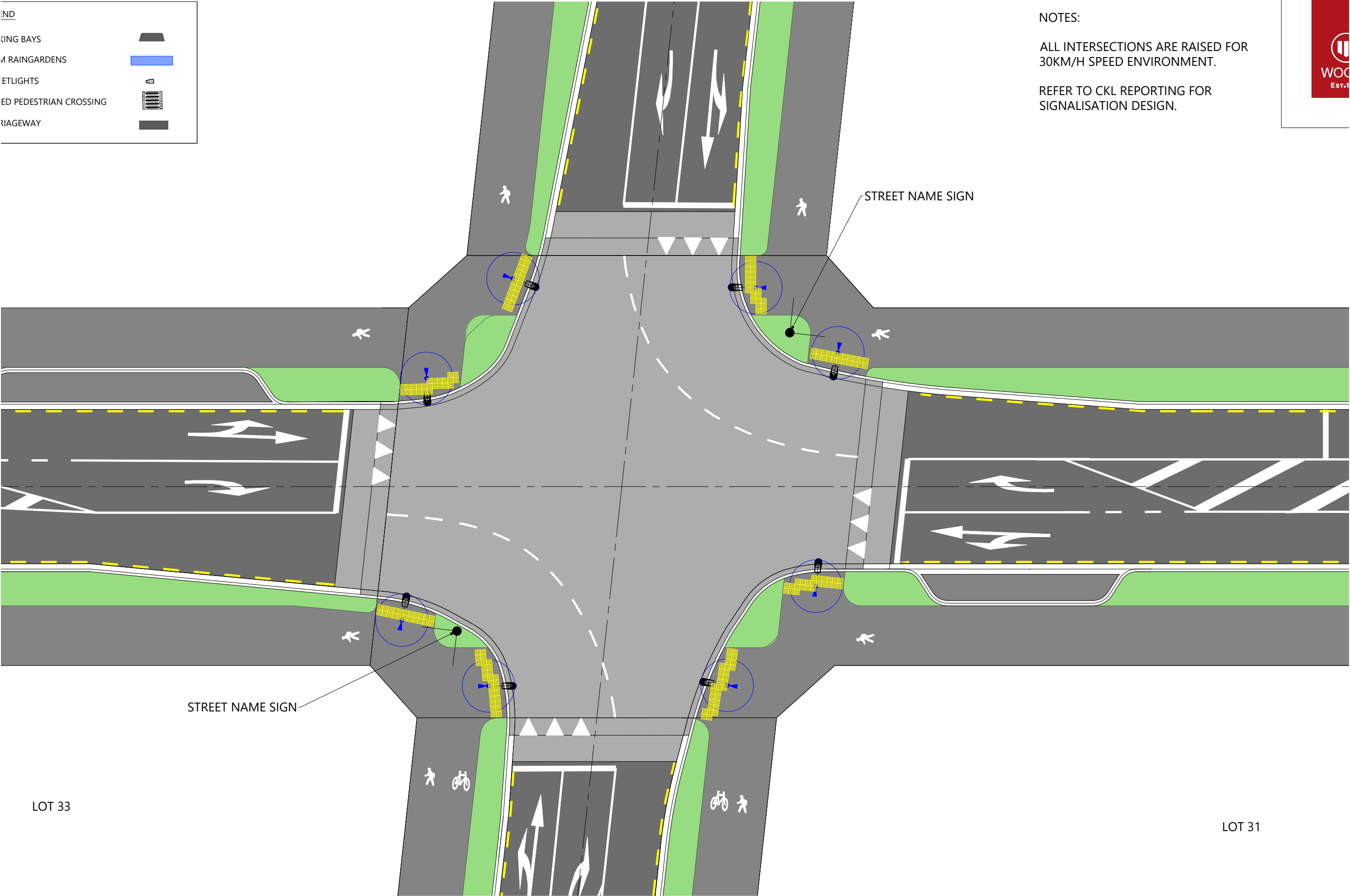
PEDESTRIAN CROSSING

BIKEWAY

NOTES:

ALL INTERSECTIONS ARE RAISED FOR 30KM/H SPEED ENVIRONMENT.

REFER TO CKL REPORTING FOR SIGNALISATION DESIGN.



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ALL INTERSECTIONS ARE RAISED FOR 30KM/H SPEED ENVIRONMENT.

REFER TO CKL REPORTING FOR SIGNALISATION DESIGN.

PROPOSED TIE-IN AS SHOWN

DRURY CENTRE STAGE 2
EXTENT BOUNDARY

EXISTING FLANAGAN ROAD

PROPOSED ROAD 3

REVISION DETAILS				
2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED NS
3	ISSUED FOR RAST TRACK CONSENT	EW	21/02/2025	DRAWN NS
4	ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/2025	APPROVED GW



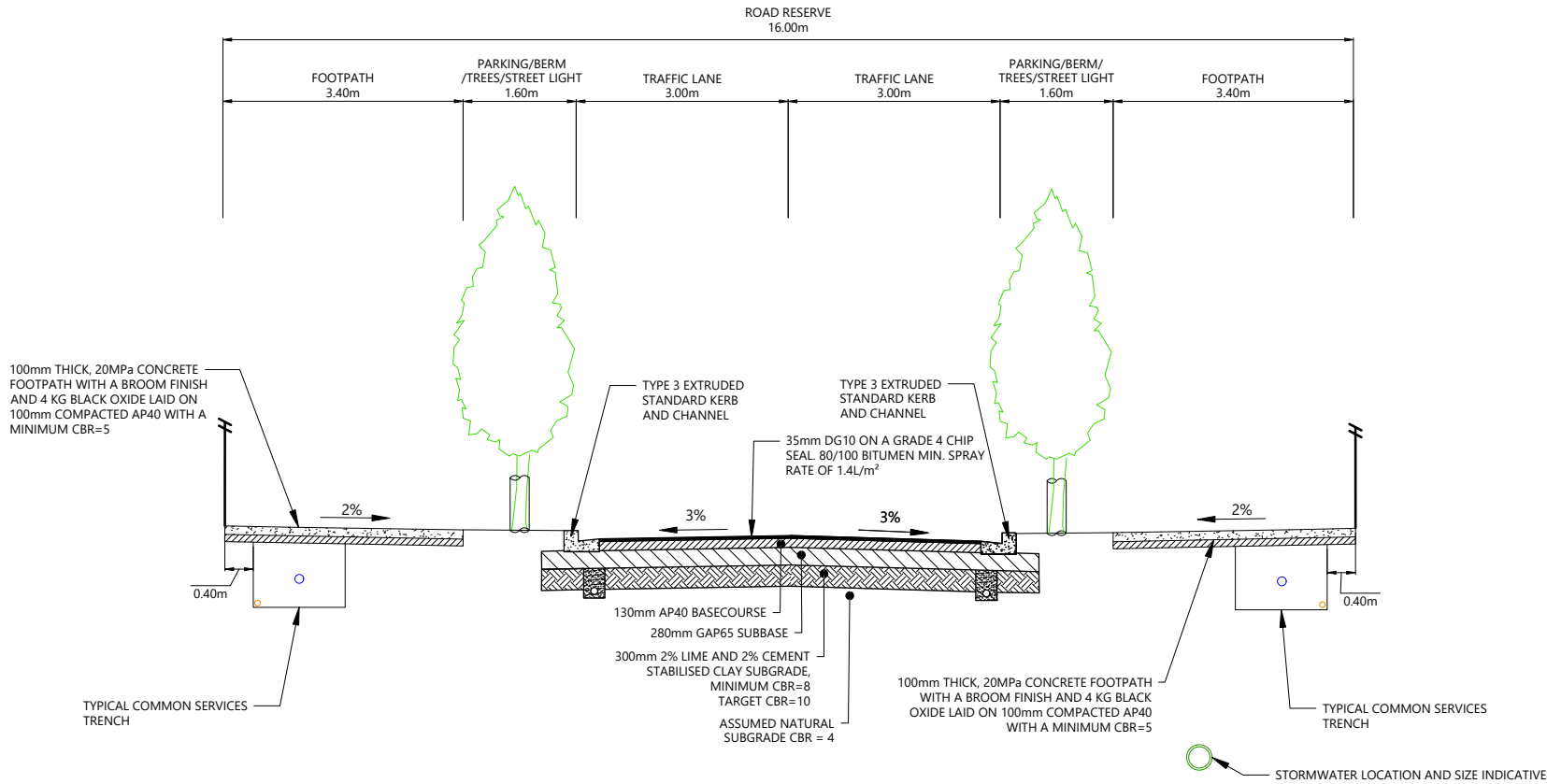
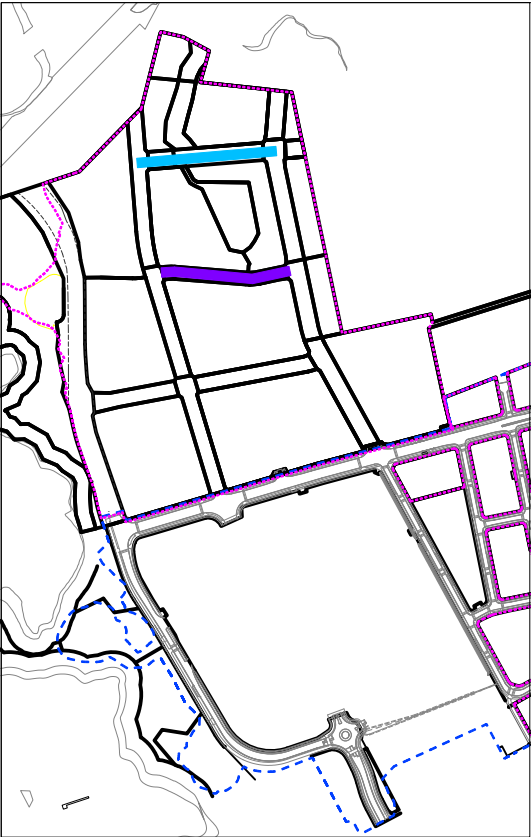
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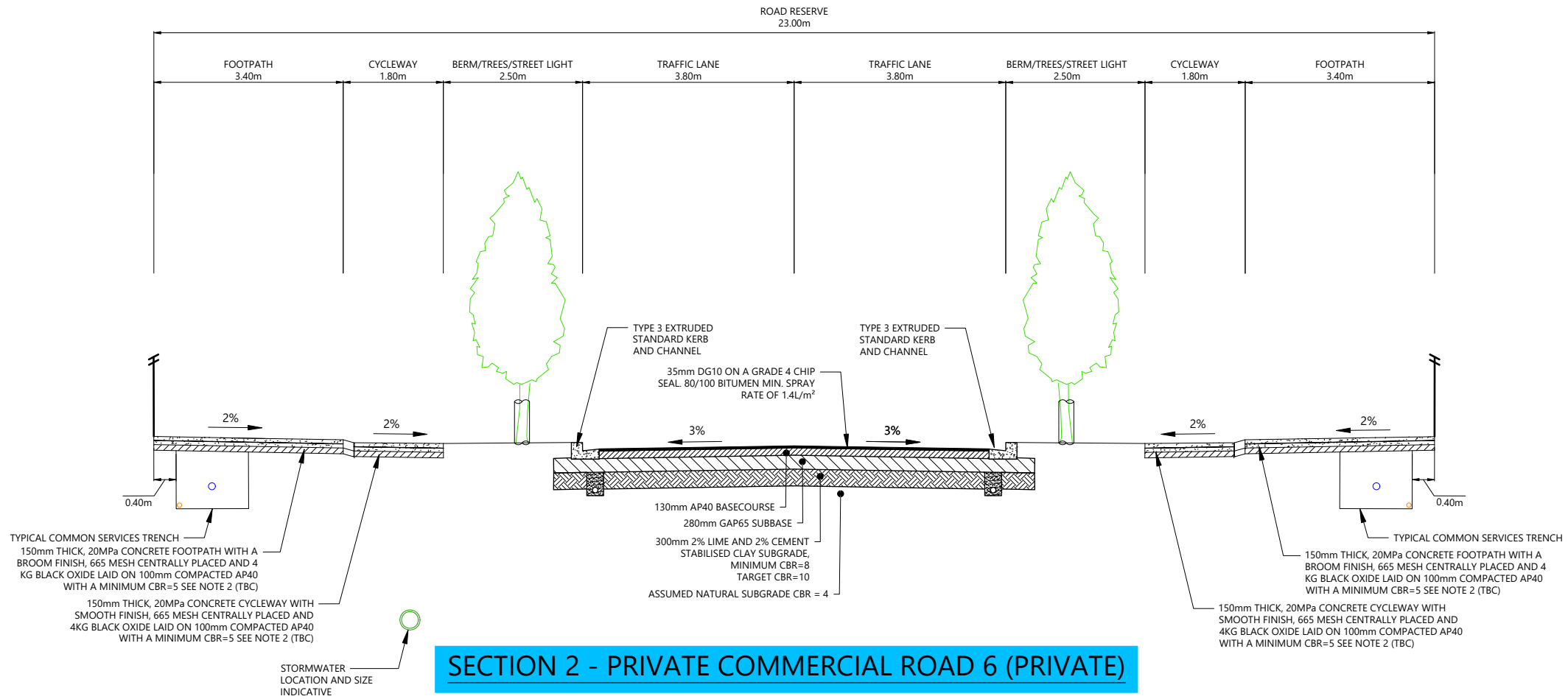
DRURY CENTRE-STAGE 2
PROPOSED ROAD 3 & FLANAGAN ROAD
INTERSECTION DETAIL



STATUS	FOR S67 RESPONSE	REV
SCALE	1:500 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2053-RD	



SECTION 1 - PRIVATE COMMERCIAL ROAD 11 (PRIVATE)



SECTION 2 - PRIVATE COMMERCIAL ROAD 6 (PRIVATE)

LEGEND:

COLLECTOR ROAD (BUS ROUTE)	
COLLECTOR ROAD (NON-BUS ROUTE)	
PRIVATE COMMERCIAL ROAD 11	
PRIVATE COMMERCIAL ROAD 6	
PRIVATE COMMERCIAL ROAD 13 (ROAD 3 WEST)	
PRIVATE COMMERCIAL ROAD 13 (ROAD 3 EAST)	
KEY RETAIL STREET	

NOTES:

- AUCKLAND TRANSPORT APPROVED ASPHALT MIXES ARE TO BE USED
- CONTRACTOR TO CONFIRM TO ENGINEER INSITU SUBGRADE CBR PRIOR TO TRIMMING TO FINAL SUBGRADE LEVELS TO CONFIRM PAVEMENT DEPTHS
- DEFLECTION AND CURVATURE ON ROAD PAVEMENT TO BE AS FOLLOWS:
COLLECTOR ROADS
DEFLECTION 1.0mm CURVATURE 0.15mm
PRIVATE ROADS
DEFLECTION 1.4mm
NO REQUIREMENT TO TEST FOR CURVATURE ON PRIVATE ROAD
- ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND TRANSPORT STANDARDS. ANY AMBIGUITY BETWEEN DRAWINGS AND COUNCIL STANDARDS ARE TO BE REPORTED TO THE ENGINEER FOR CLARIFICATION.
- PRAM CROSSINGS ARE TO BE CONSTRUCTED AS PER AUCKLAND TRANSPORT STANDARDS.
- SERVICE TRENCHES SHOWN ARE INDICATIVE ONLY. ALL DUCTS/PIPES ARE TO BE POSITIONED AS PER RELEVANT SERVICE PROVIDER STANDARDS
- ALL UNDERCHANNELS AND SUBSOIL DRAINS ARE TO COMPLY WITH AT TDM STANDARD DETAIL KC007 UNLESS OTHERWISE NOTED.
- ALL SUBSOIL DRAINAGE TO BE CONNECTED TO THE UPSTREAM CESSPIT AND CAPPED FOR FUTURE MAINTENANCE.
- ALL LANE MARKING AND ROAD SIGNAGE IS TO BE CONSTRUCTED AS PER THE NEW ZEALAND TRANSPORT AGENCY (NZTA) MANUAL OF TRAFFIC SIGNS AND MARKINGS
- CONCRETE SAWCUTS ON FOOTPATHS AND KERBS TO BE AT 3m CENTRES. SAWCUT TO BE 1/4 SLAB DEPTH.
- IF WEAKER SUBGRADE ARE ENCOUNTERED AGREEMENT WITH THE ENGINEER IS REQUIRED PRIOR TO CONSTRUCTION OF ANY CONTINGENCY PAVEMENT.

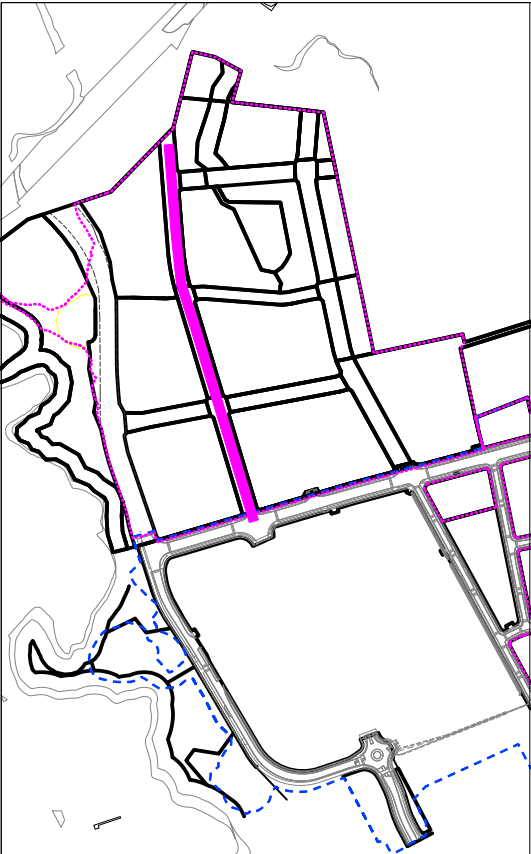
REVISION DETAILS	INT	DATE	SURVEYED	
5 FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	EW
6 FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	EW
7 ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	GW

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DRURY CENTRE-STAGE 2
TYPICAL ROAD CROSS SECTION - (SHEET 1 OF 5)

STATUS	FOR S67 RESPONSE	REV
SCALE	1:100 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2200-RD	



LEGEND:

COLLECTOR ROAD (BUS ROUTE)	<div></div>
COLLECTOR ROAD (NON-BUS ROUTE)	<div></div>
PRIVATE COMMERIAL ROAD 11	<div></div>
PRIVATE COMMERIAL ROAD 6	<div></div>
PRIVATE COMMERIAL ROAD 13 (ROAD 3 WEST)	<div></div>
PRIVATE COMMERIAL ROAD 13 (ROAD 3 EAST)	<div></div>
KEY RETAIL STREET	<div></div>

NOTES:

1.

AUCKLAND TRANSPORT APPROVED ASPHALT MIXES ARE TO BE USED
2.

CONTRACTOR TO CONFIRM TO ENGINEER INSITU SUBGRADE CBR PRIOR TO TRIMMING TO FINAL SUBGRADE LEVELS TO CONFIRM PAVEMENT DEPTHS
3.

DEFLECTION AND CURVATURE ON ROAD PAVEMENT TO BE AS FOLLOWS:
COLLECTOR ROADS
DEFLECTION 1.0mm CURVATURE 0.15mm
PRIVATE ROADS
DEFLECTION 1.4mm
NO REQUIREMENT TO TEST FOR CURVATURE ON PRIVATE ROAD
4.

ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND TRANSPORT STANDARDS. ANY AMBIGUITY BETWEEN DRAWINGS AND COUNCIL STANDARDS ARE TO BE REPORTED TO THE ENGINEER FOR CLARIFICATION.
5.

PRAM CROSSINGS ARE TO BE CONSTRUCTED AS PER AUCKLAND TRANSPORT STANDARDS.
6.

SERVICE TRENCHES SHOWN ARE INDICATIVE ONLY. ALL DUCTS/PIPES ARE TO BE POSITIONED AS PER RELEVANT SERVICE PROVIDER STANDARDS
7.

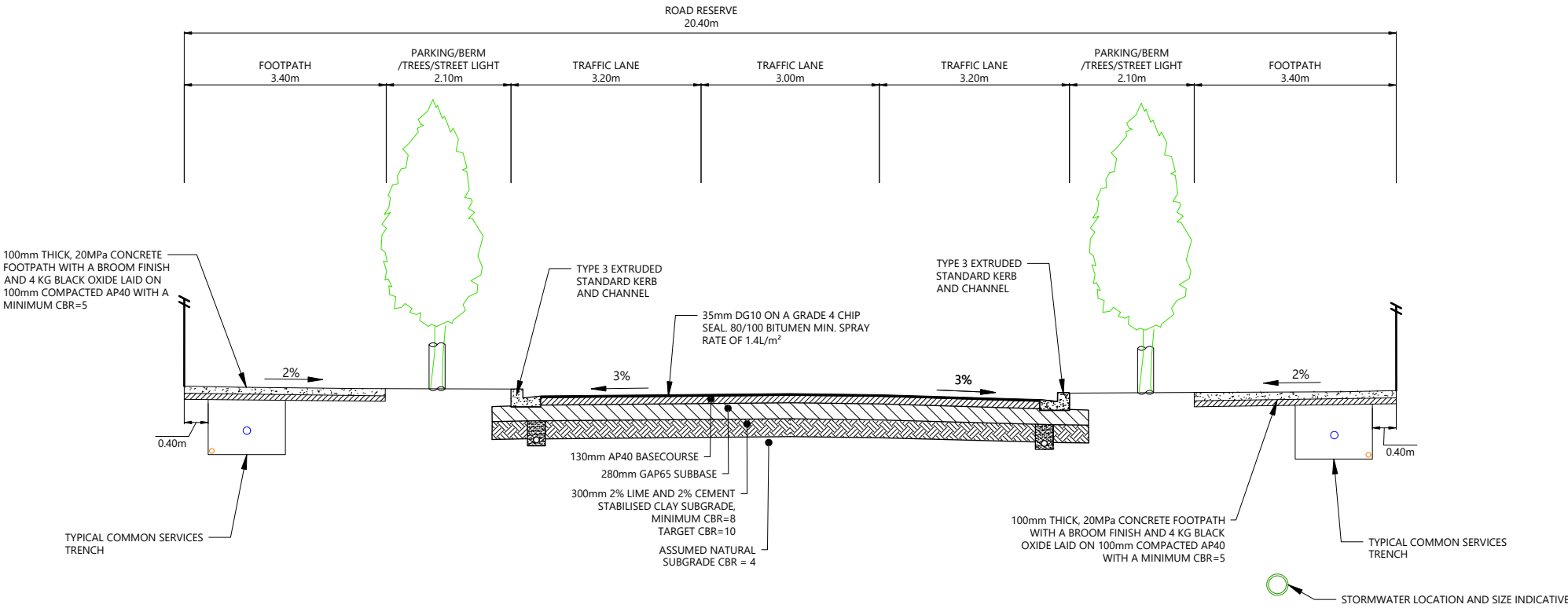
ALL UNDERCHANNELS AND SUBSOIL DRAINS ARE TO COMPLY WITH AT TDM STANDARD DETAIL KC0007 UNLESS OTHERWISE NOTED.
8.

ALL SUBSOIL DRAINAGE TO BE CONNECTED TO THE UPSTREAM CESSPIT AND CAPPED FOR FUTURE MAINTENANCE.
9.

ALL LANE MARKING AND ROAD SIGNAGE IS TO BE CONSTRUCTED AS PER THE NEW ZEALAND TRANSPORT AGENCY (NZTA) MANUAL OF TRAFFIC SIGNS AND MARKINGS
10.

CONCRETE SAWCUTS ON FOOTPATHS AND KERBS TO BE AT 3m CENTRES. SAWCUT TO BE 1/4 SLAB DEPTH.
11.

IF WEAKER SUBGRADE ARE ENCOUNTERED AGREEMENT WITH THE ENGINEER IS REQUIRED PRIOR TO CONSTRUCTION OF ANY CONTINGENCY PAVEMENT.



SECTION 3 - KEY RETAIL STREET (PRIVATE)

REVISION DETAILS	INT	DATE	SURVEYED	
5 FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	EW
6 FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	EW
7 ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	GW

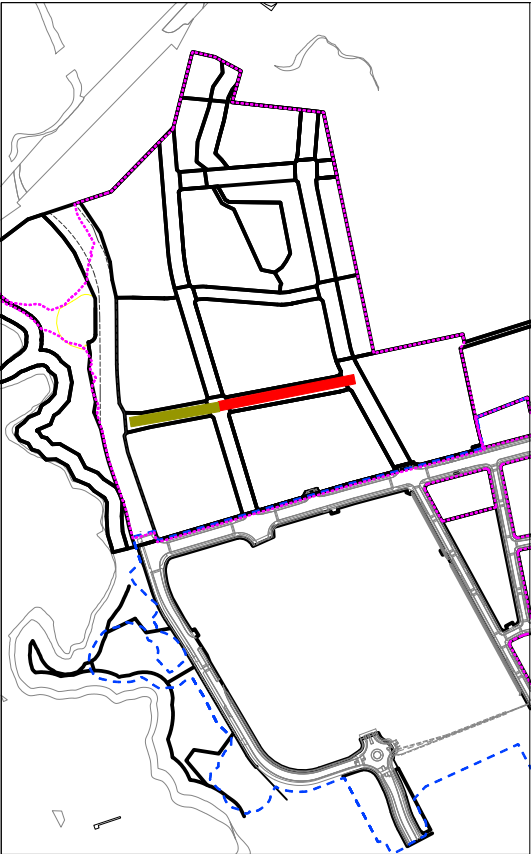
BUILDING B, LEVEL 1
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DRURY CENTRE-STAGE 2
TYPICAL ROAD CROSS SECTION - (SHEET 2 OF 5)

STATUS	FOR S67 RESPONSE	REV
SCALE	1:100 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2201-RD	

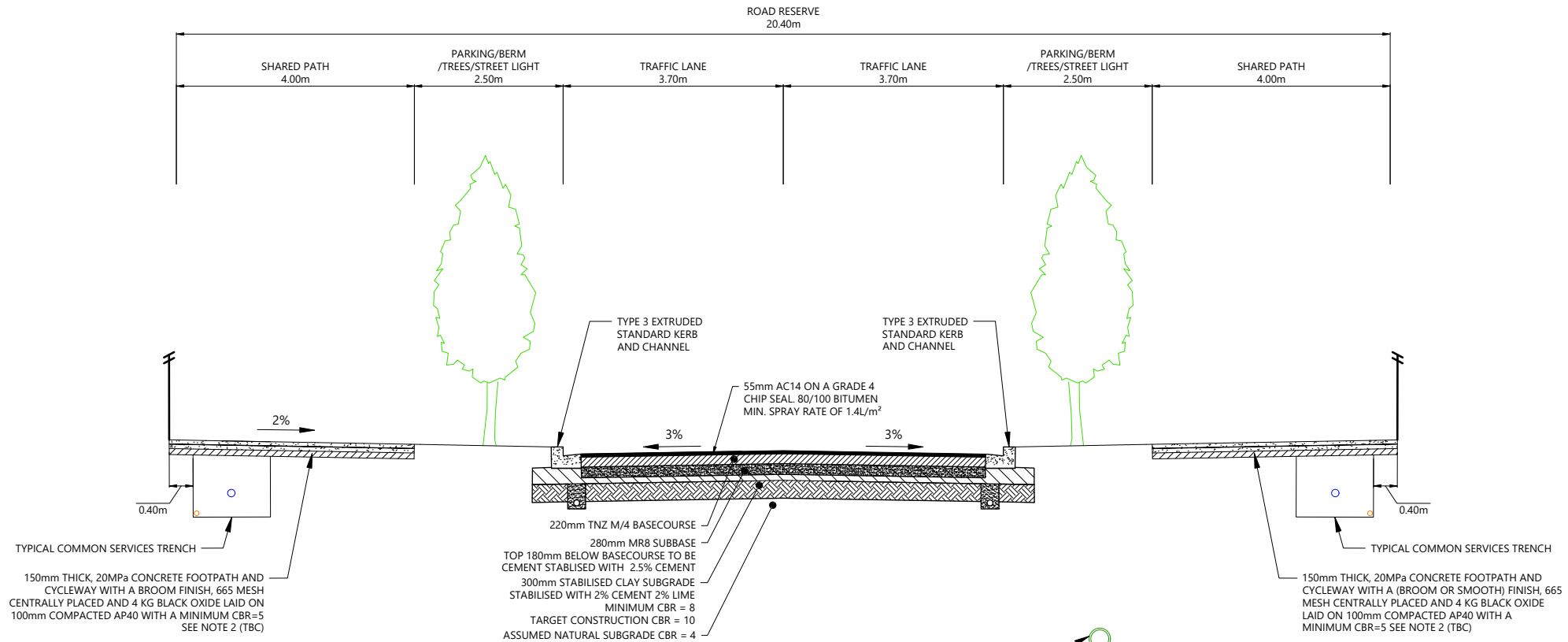




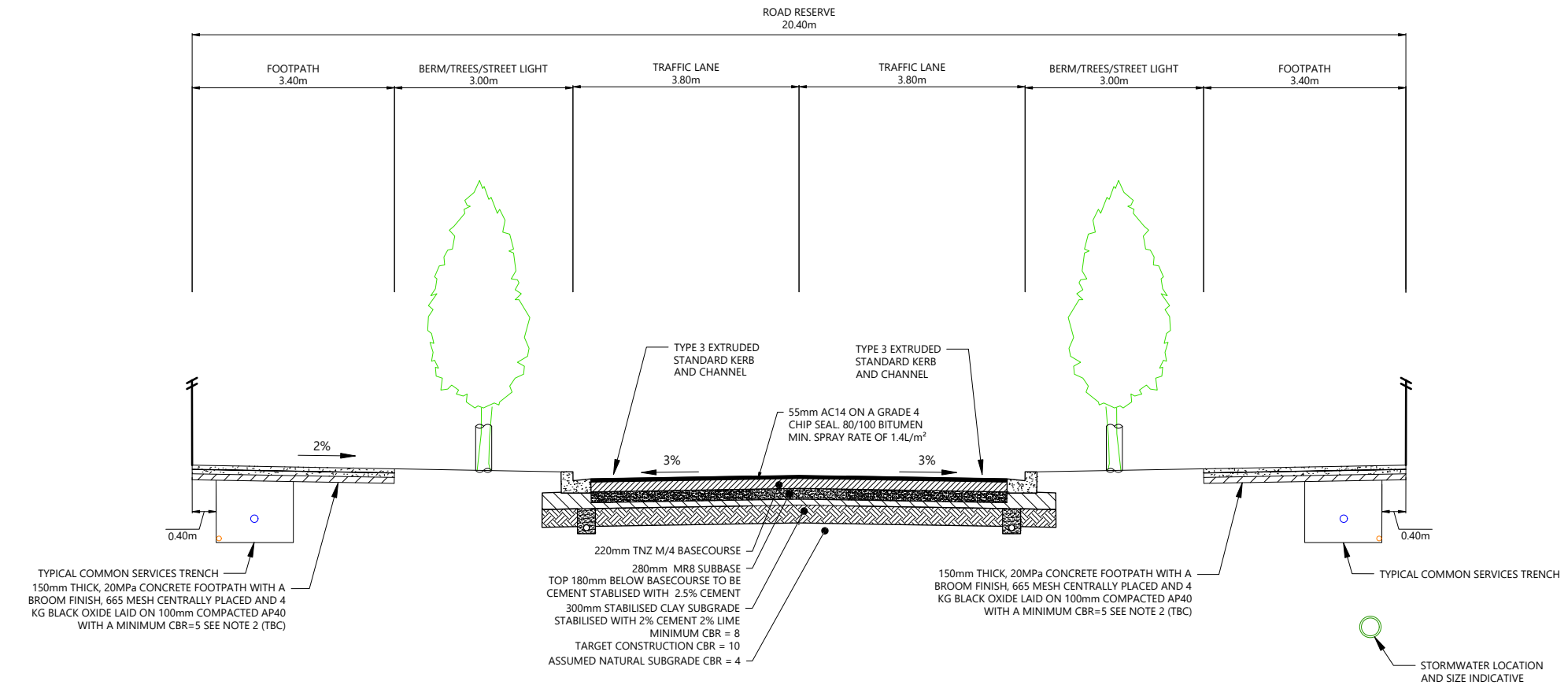
LEGEND:

COLLECTOR ROAD (BUS ROUTE)	
COLLECTOR ROAD (NON-BUS ROUTE)	
PRIVATE COMMERCIAL ROAD 11	
PRIVATE COMMERCIAL ROAD 6	
PRIVATE COMMERCIAL ROAD 13 (ROAD 3 WEST)	
PRIVATE COMMERCIAL ROAD 13 (ROAD 3 EAST)	
KEY RETAIL STREET	

- NOTES:
1. AUCKLAND TRANSPORT APPROVED ASPHALT MIXES ARE TO BE USED
 2. CONTRACTOR TO CONFIRM TO ENGINEER INSITU SUBGRADE CBR PRIOR TO TRIMMING TO FINAL SUBGRADE LEVELS TO CONFIRM PAVEMENT DEPTHS
 3. DEFLECTION AND CURVATURE ON ROAD PAVEMENT TO BE AS FOLLOWS:
COLLECTOR ROADS
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PRIVATE ROADS
DEFLECTION 1.4mm
NO REQUIREMENT TO TEST FOR CURVATURE ON PRIVATE ROAD
 4. ALL WORKS AND MATERIALS ARE TO COMPLY WITH AUCKLAND TRANSPORT STANDARDS. ANY AMBIGUITY BETWEEN DRAWINGS AND COUNCIL STANDARDS ARE TO BE REPORTED TO THE ENGINEER FOR CLARIFICATION.
 5. PRAM CROSSINGS ARE TO BE CONSTRUCTED AS PER AUCKLAND TRANSPORT STANDARDS.
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 7. ALL UNDERCHANNELS AND SUBSOIL DRAINS ARE TO COMPLY WITH AT TDM STANDARD DETAIL KC0007 UNLESS OTHERWISE NOTED.
 8. ALL SUBSOIL DRAINAGE TO BE CONNECTED TO THE UPSTREAM CESSPIT AND CAPPED FOR FUTURE MAINTENANCE.
 9. ALL LANE MARKING AND ROAD SIGNAGE IS TO BE CONSTRUCTED AS PER THE NEW ZEALAND TRANSPORT AGENCY (NZTA) MANUAL OF TRAFFIC SIGNS AND MARKINGS
 10. CONCRETE SAWCUTS ON FOOTPATHS AND KERBS TO BE AT 3m CENTRES. SAWCUT TO BE 1/4 SLAB DEPTH.
 11. IF WEAKER SUBGRADE ARE ENCOUNTERED AGREEMENT WITH THE ENGINEER IS REQUIRED PRIOR TO CONSTRUCTION OF ANY CONTINGENCY PAVEMENT.



SECTION 4 - PRIVATE COMMERCIAL ROAD 13 WEST (PRIVATE)



SECTION 5 - PRIVATE COMMERCIAL ROAD 13 EAST (PRIVATE)

REVISION DETAILS						BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2				STATUS		FOR S67 RESPONSE		REV	
5	FOR THE 99% SUBMISSION							EW	10/02/25	DESIGNED	EW	SCALE		1:100 @ A3		9	
6	FOR FAST TRACK CONSENT							EW	21/02/25	DRAWN	EW	COUNCIL		AUCKLAND COUNCIL			
7	ISSUED FOR S67 RESPONSE							SM	17/07/25	CHECKED	GW	DWG NO		P24-447-01-2202-RD			
9	ISSUED FOR S67 RESPONSE							SM	23/07/25	APPROVED	GW						
								TYPICAL ROAD CROSS SECTION - (SHEET 3 OF 5)									

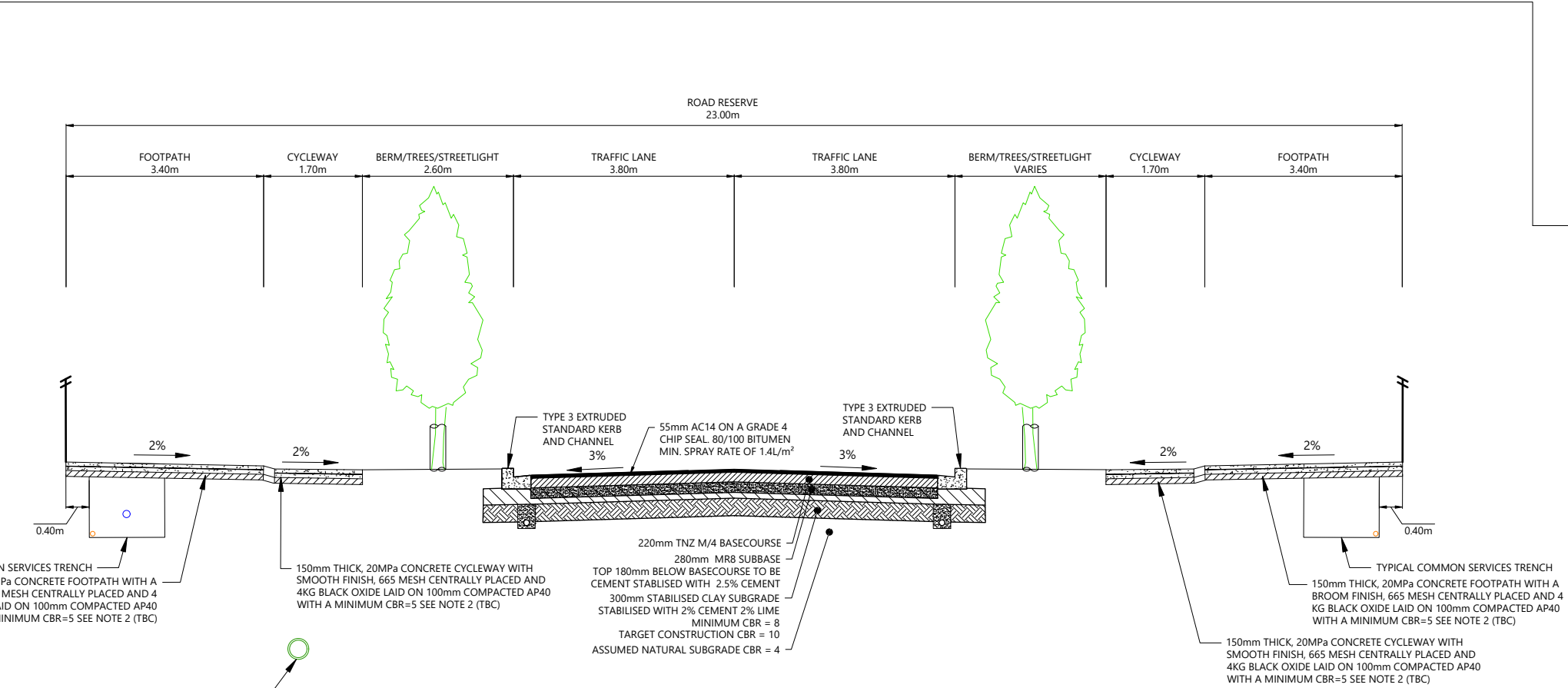


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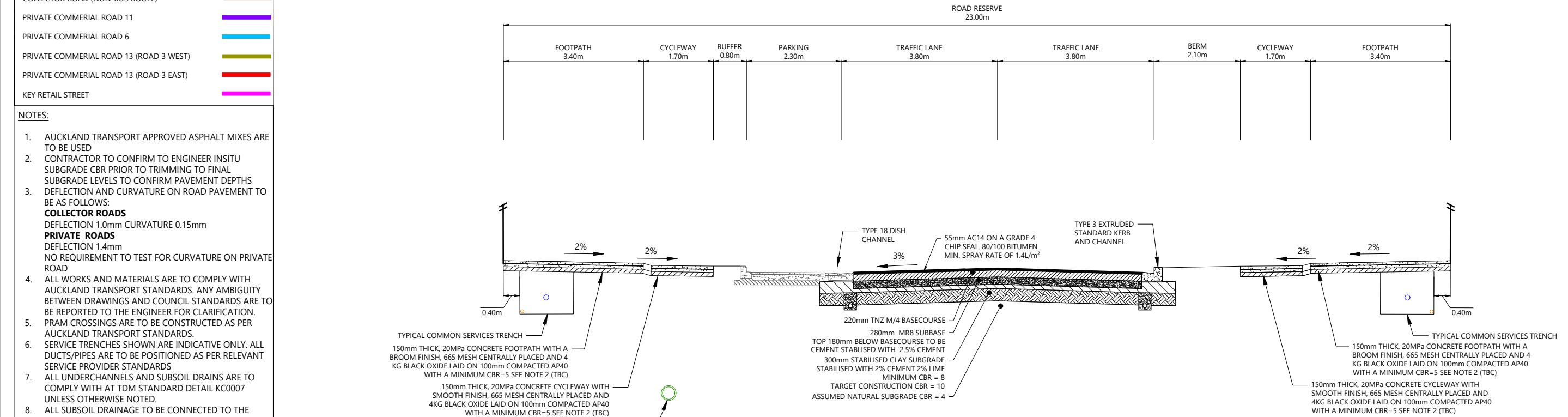
COLLECTOR ROAD (BUS ROUTE)	
COLLECTOR ROAD (NON-BUS ROUTE)	
PRIVATE COMMERCIAL ROAD 11	
PRIVATE COMMERCIAL ROAD 6	
PRIVATE COMMERCIAL ROAD 13 (ROAD 3 WEST)	
PRIVATE COMMERCIAL ROAD 13 (ROAD 3 EAST)	
KEY RETAIL STREET	

- NOTES:
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SECTION 6 - PUBLIC COLLECTOR ROAD (BUS ROUTE)



SECTION 7 - PUBLIC COLLECTOR ROAD (BUS ROUTE) WITH PARKING



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DRURY CENTRE-STAGE 2
TYPICAL ROAD CROSS SECTION - (SHEET 4 OF 5)

STATUS	FOR S67 RESPONSE	REV
SCALE	1:100 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2203-RD	



LEGEND:	
COLLECTOR ROAD (BUS ROUTE)	<div></div>
COLLECTOR ROAD (NON-BUS ROUTE)	<div></div>
PRIVATE COMMERCIAL ROAD 11	<div></div>
PRIVATE COMMERCIAL ROAD 6	<div></div>
PRIVATE COMMERCIAL ROAD 13 (ROAD 3 WEST)	<div></div>
PRIVATE COMMERCIAL ROAD 13 (ROAD 3 EAST)	<div></div>
KEY RETAIL STREET	<div></div>

- NOTES:
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6	FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	EW
7	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW
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[WOODS.CO.NZ](https://www.woods.co.nz)

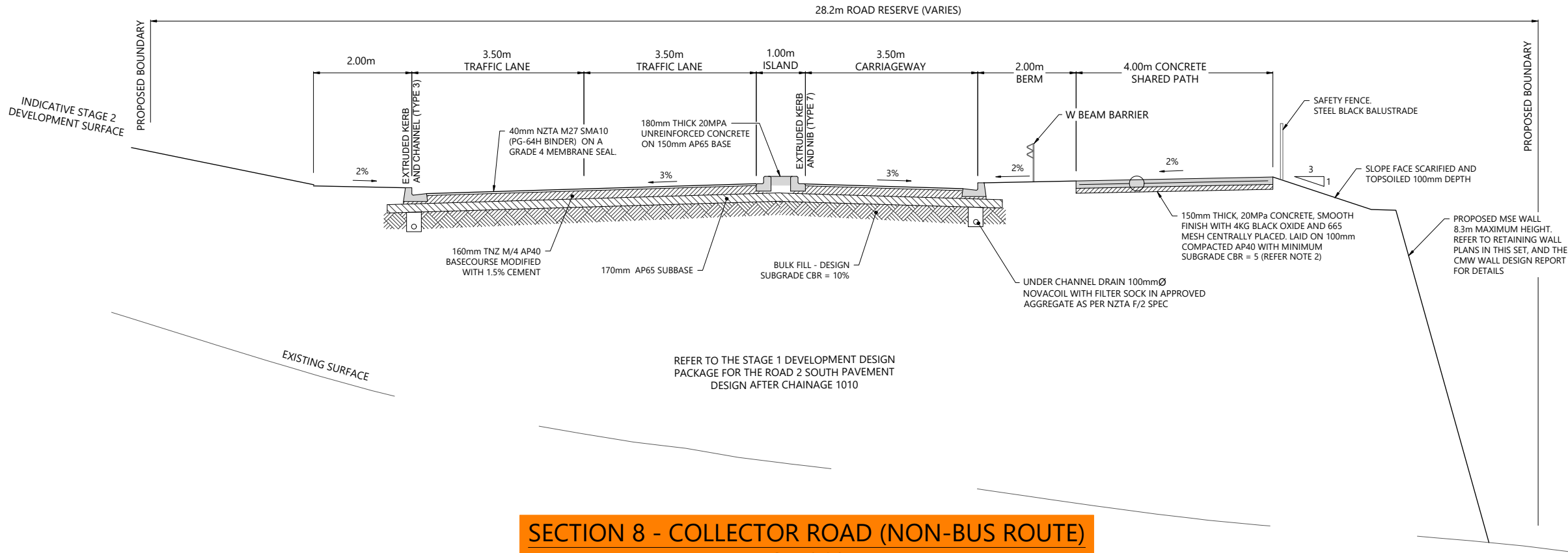


DRURY CENTRE-STAGE 2
TYPICAL ROAD CROSS SECTION - (SHEET 5 OF 5)

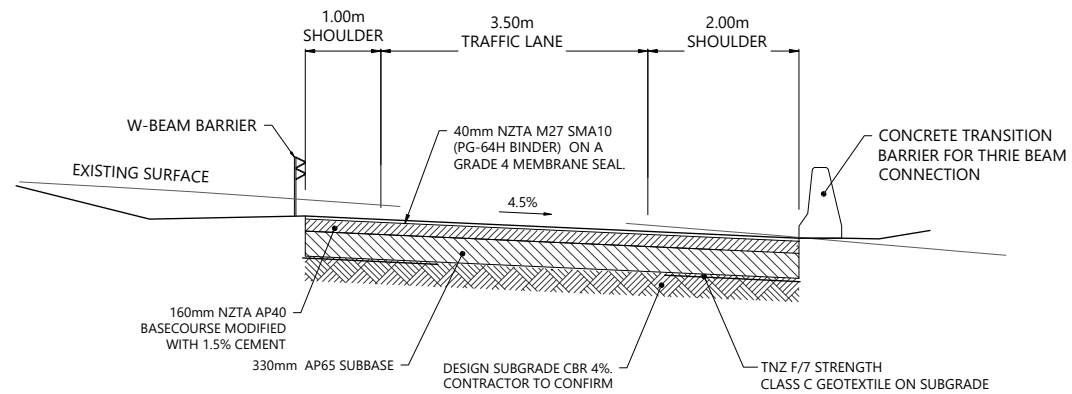
STATUS	FOR S67 RESPONSE	REV
SCALE	1:100 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2204-RD	

NOTE:

THIS ROAD IS PART OF THE NZTA SH1 OFFRAMP PROJECT AND (APART FROM EARTHWORK AND STORMWATER) NOT PART OF THIS CONSENT.
DETAILS **PROVIDED FOR INFORMATION ONLY.**

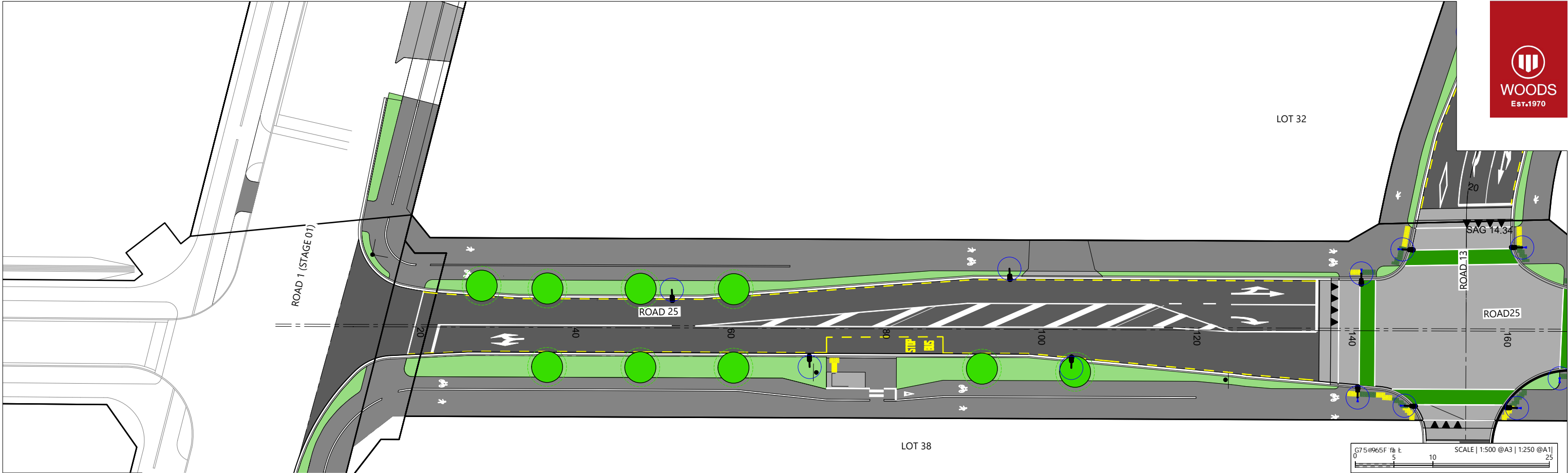


SECTION 8 - COLLECTOR ROAD (NON-BUS ROUTE) CH 910



SECTION 9 - COLLECTOR ROAD (NON-BUS ROUTE) TIE-IN POINT





LEGEND

EXISTING GROUND LEVEL

PROPOSED FINISHED ROAD LEVEL

STARTS @ END OF INFORMATION FROM STAGE 1
BOUNDARY
VIP CH0.00 RL 22.71

Horizontal Curve Length (m)

Vertical Geometry K value/Grade (%)
Vertical Grade/ Curve Length (m)

DATUM R.L. = 8.00

EXISTING SURFACE	23.32		20.66		18.63		19.79		20.74		20.49		20.16		19.26		18.45
CUT / FILL DEPTH	-0.62		1.85		3.68		2.32		1.17		1.22		1.35		2.05		2.66
CL DESIGN LEVELS	22.71		22.51		22.31		22.11		21.91		21.71		21.51		21.31		21.11
CHAINAGE	0.00		20.00		40.00		60.00		80.00		100.00		120.00		140.00		160.00

ROAD 25 LONGITUDINAL SECTION
HORZ 1:500 VERT 1:250

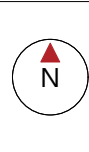
REVISION DETAILS					INT	DATE	SURVEYED	
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	JK			
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS			
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW			
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD			



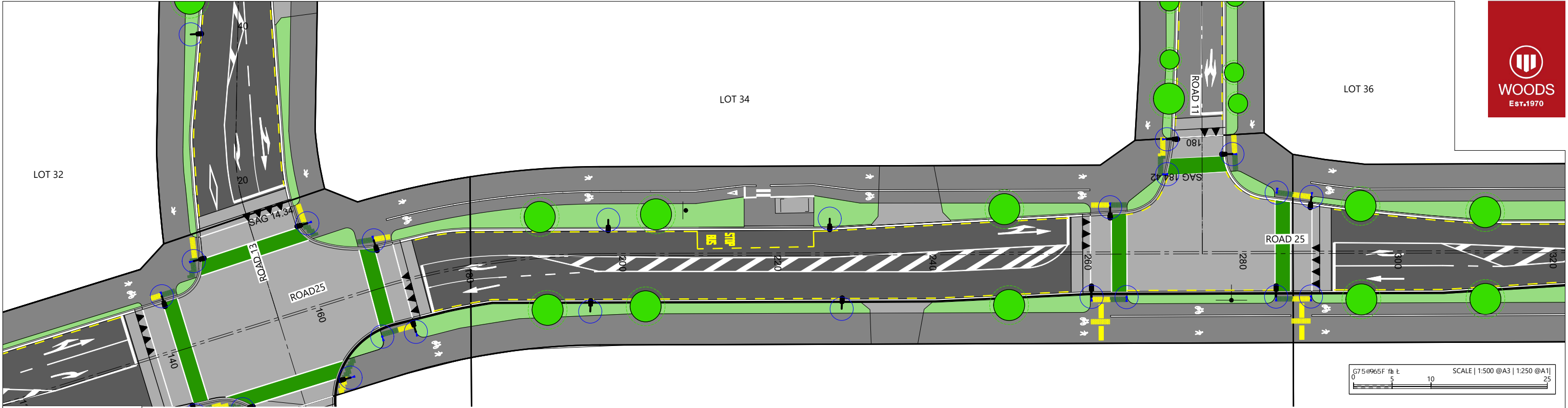
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
[WOODS.CO.NZ](https://www.woods.co.nz)



DRURY CENTRE-STAGE 2
ROAD 25 - (CH0.0-CH160.0) LONGITUDINAL SECTION



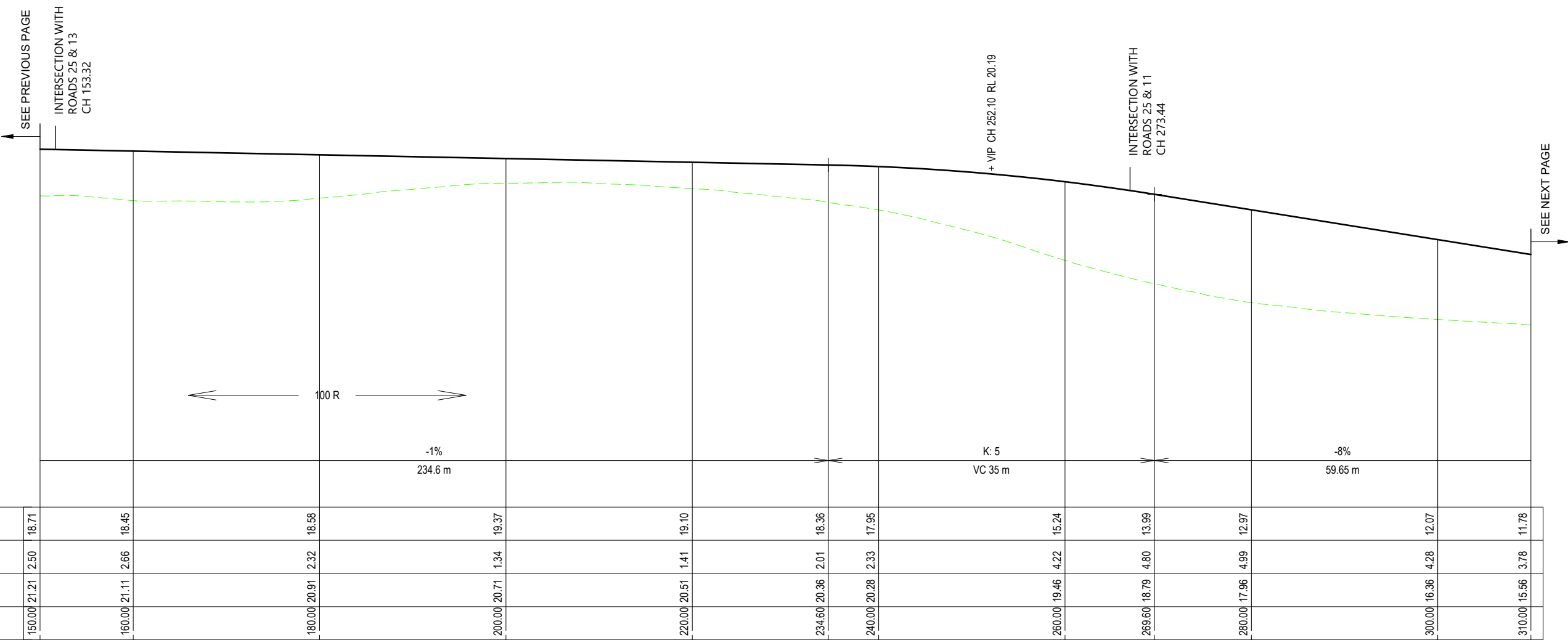
STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2500-RD	



LEGEND

EXISTING GROUND LEVEL ---

PROPOSED FINISHED ROAD LEVEL ---



ROAD 25 LONGITUDINAL SECTION

HORZ 1:500 VERT 1:250


REVISION DETAILS					INT	DATE	SURVEYED	
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	JK			
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS			
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW			
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD			

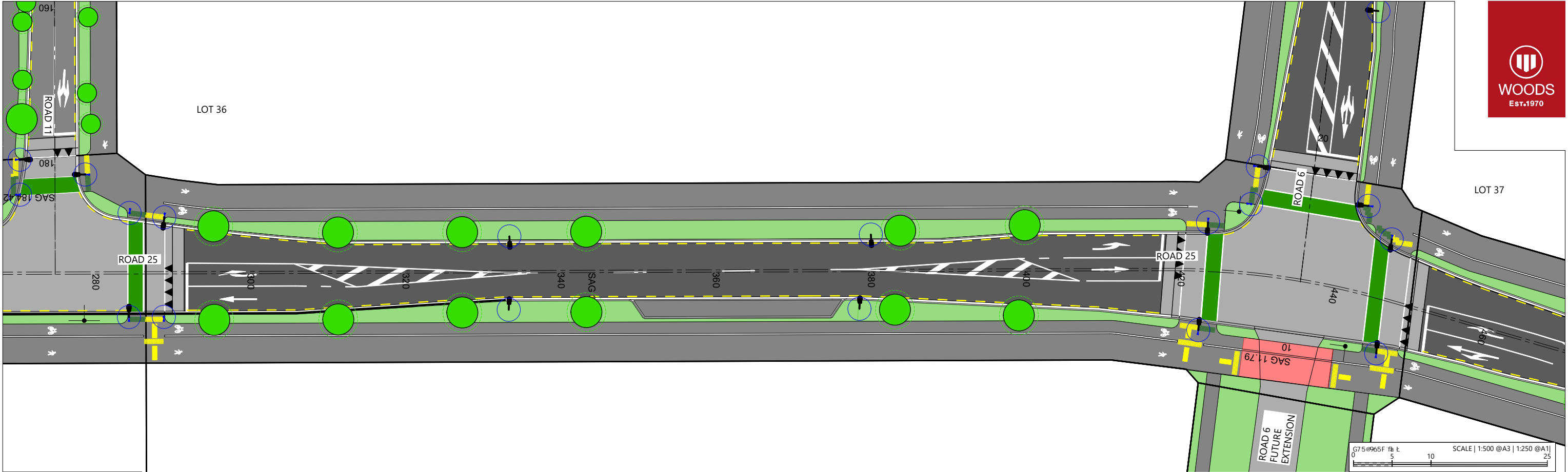
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
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DRURY CENTRE-STAGE 2

ROAD 25 - (CH150.0-CH310.0) LONGITUDINAL SECTION

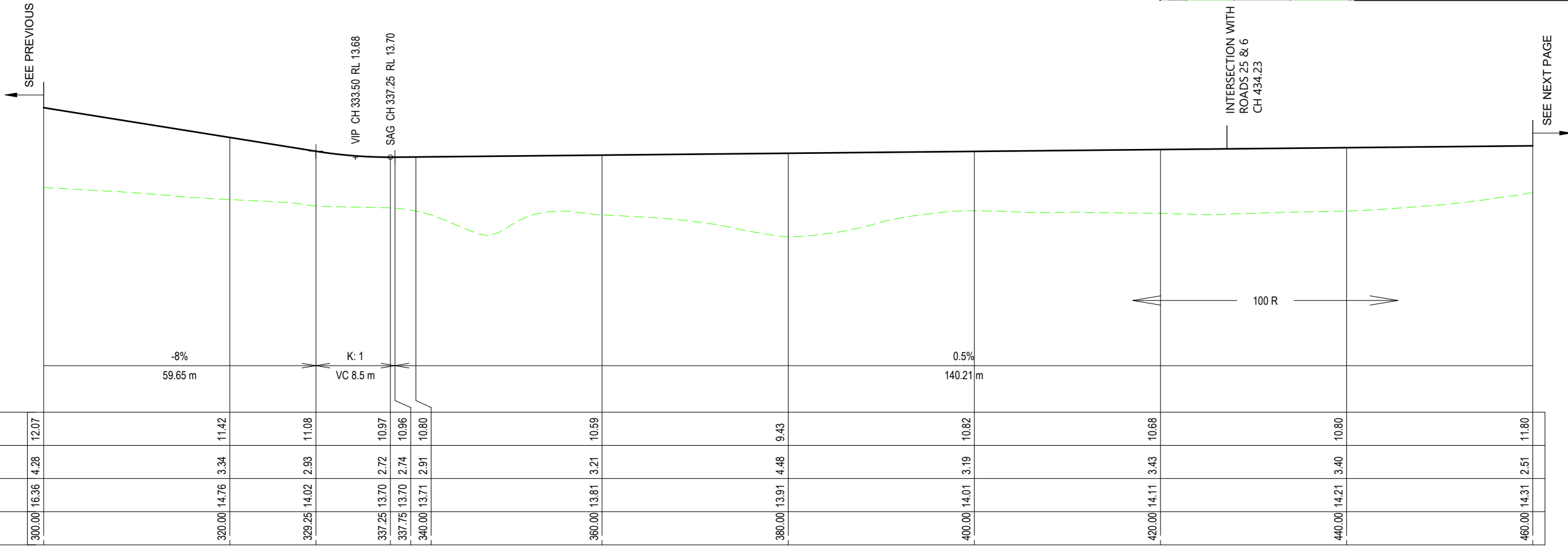
 N	STATUS	FOR S67 RESPONSE	REV
	SCALE	AS SHOWN	9
	COUNCIL	AUCKLAND COUNCIL	
	DWG NO	P24-447-01-2501-RD	



LEGEND

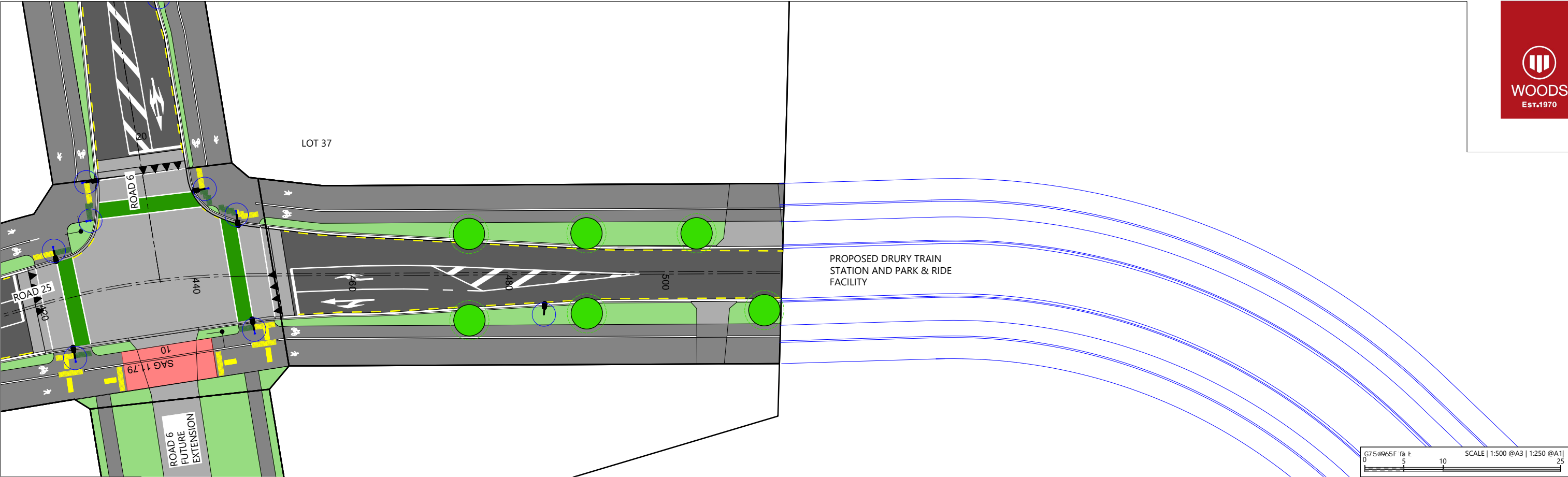
EXISTING GROUND LEVEL

PROPOSED FINISHED ROAD LEVEL



ROAD 25 LONGITUDINAL SECTION
HORZ 1:500 VERT 1:250

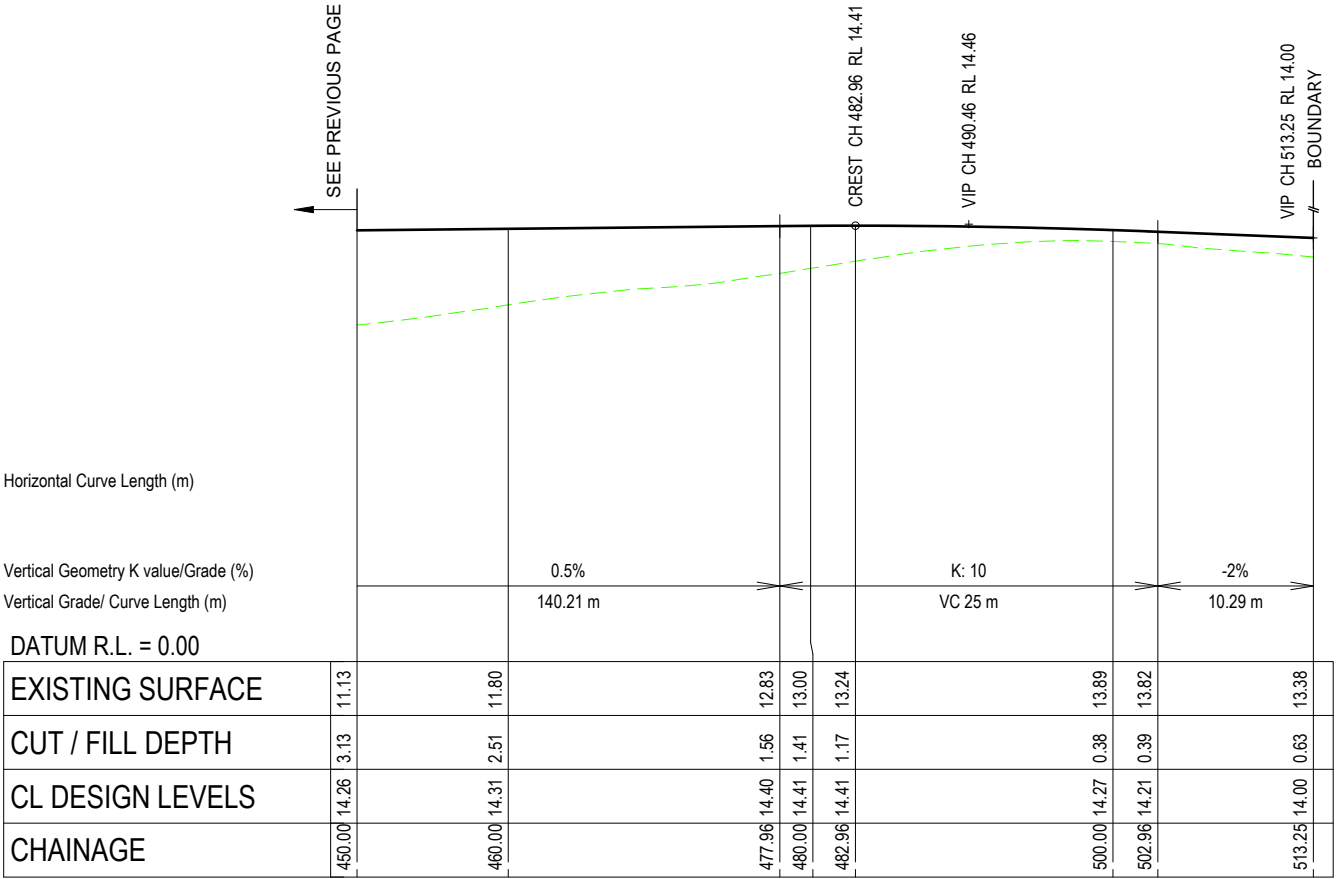
REVISION DETAILS							<div>BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ</div> 	DRURY CENTRE-STAGE 2				STATUS	FOR S67 RESPONSE	REV					
3	FOR THE 99% SUBMISSION							EW	10/02/25	DESIGNED		JK	ROAD 25 - (CH300.0-CH460.0) LONGITUDINAL SECTION			SCALE	AS SHOWN	9	
4	ISSUED FOR FAST TRACK CONSENT							EW	21/02/25	DRAWN		NS				COUNCIL	AUCKLAND COUNCIL		
5	ISSUED FOR S67 RESPONSE							SM	17/07/25	CHECKED		GW				DWG NO	P24-447-01-2502-RD		
9	ISSUED FOR S67 RESPONSE							SM	23/07/25	APPROVED		CD							



LEGEND

EXISTING GROUND LEVEL

PROPOSED FINISHED ROAD LEVEL



ROAD 25 LONGITUDINAL SECTION

HORZ 1:500 VERT 1:250

REVISION DETAILS					INT	DATE	SURVEYED	
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	JK			
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS			
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW			
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD			



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8 NUGENT ST, GRAFTON,
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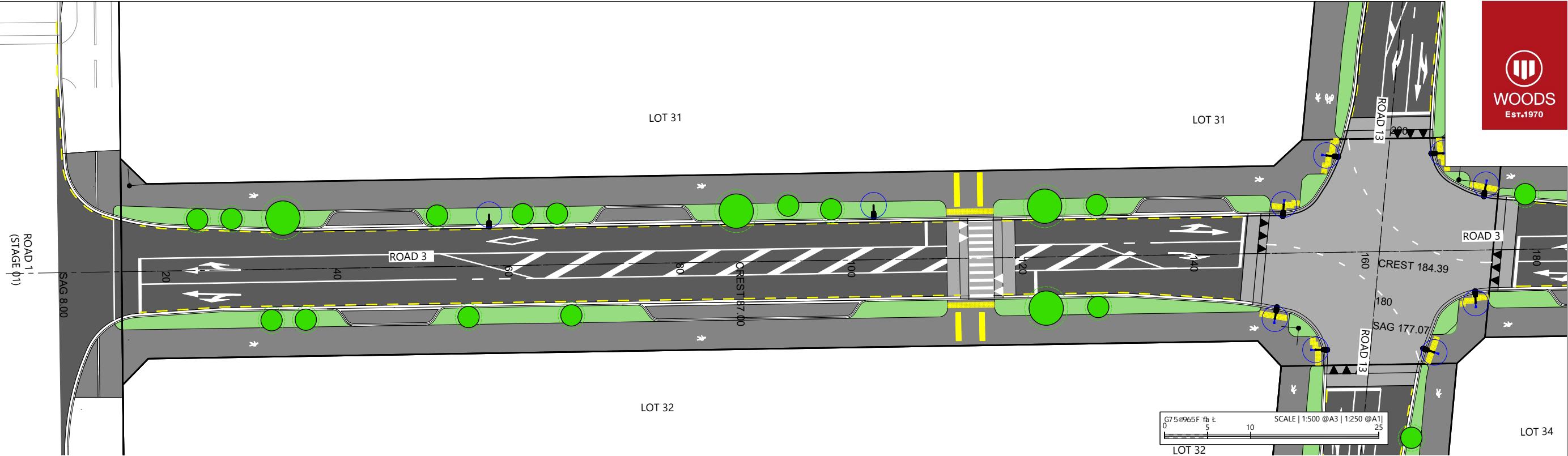


DRURY CENTRE-STAGE 2

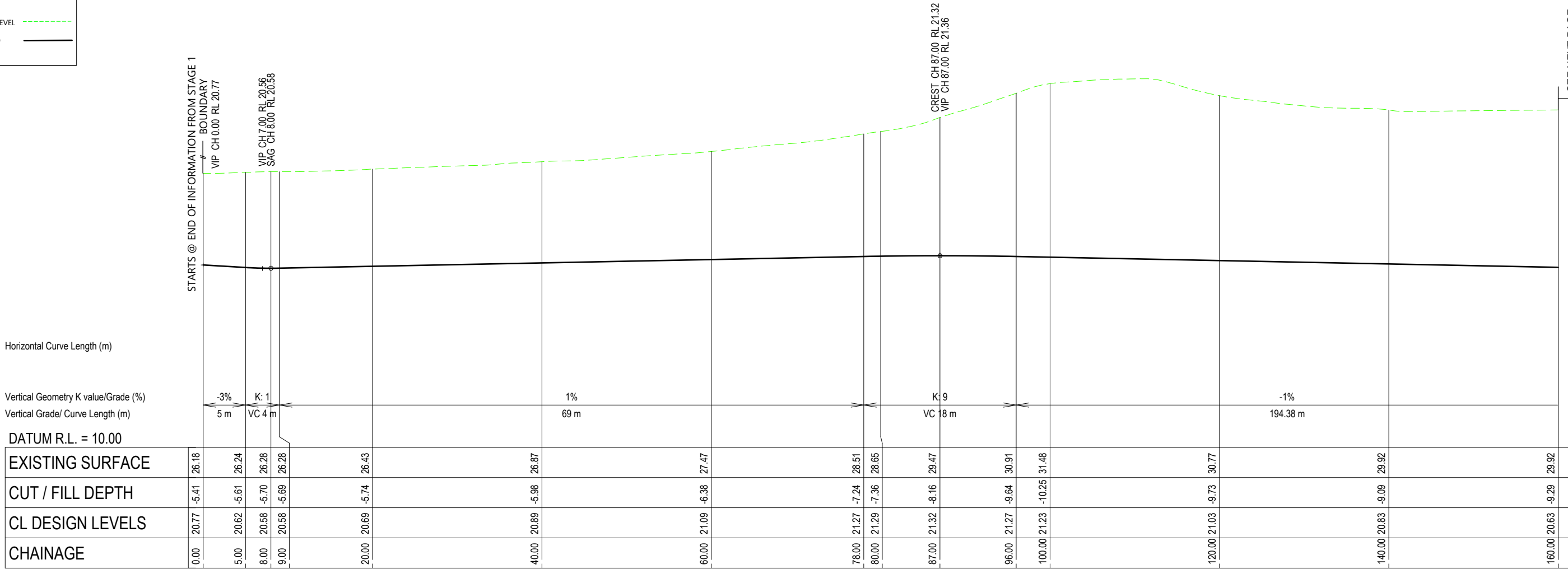
ROAD 25 - (CH450.0-CH END) LONGITUDINAL SECTION



STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2503-RD	



LEGEND	
EXISTING GROUND LEVEL	---
PROPOSED FINISHED ROAD LEVEL	—



ROAD 03 LONGITUDINAL SECTION

HORIZ 1:500 VERT 1:250

REVISION DETAILS				
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED JK
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN NS
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED CD

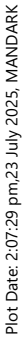
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2

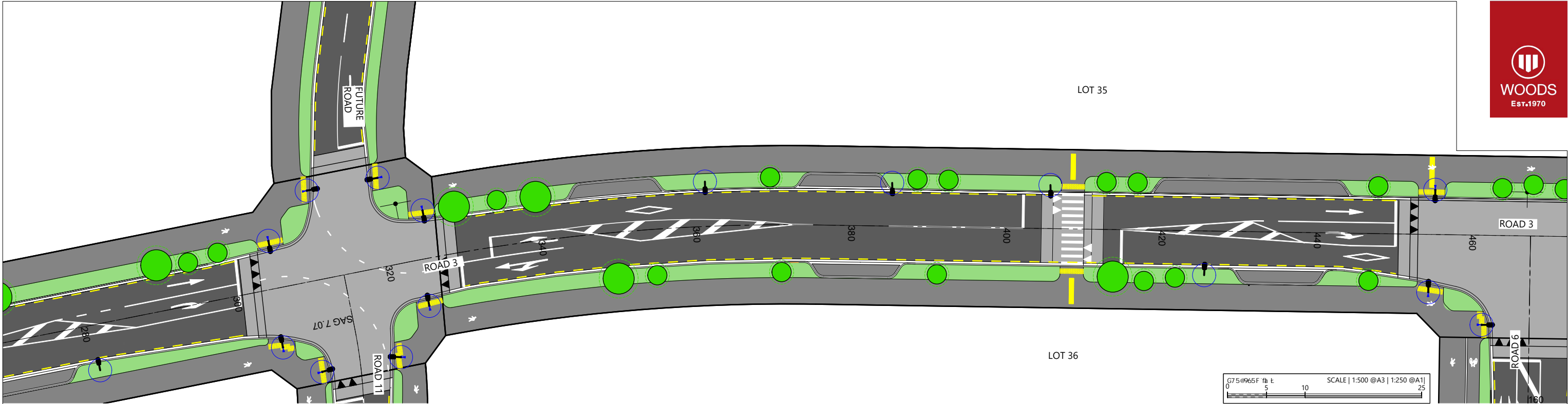
ROAD 13 - (CH0.00-CH 160.00) LONGITUDINAL SECTION

	STATUS	FOR S67 RESPONSE	9
	SCALE	AS SHOWN	
	COUNCIL	AUCKLAND COUNCIL	
	DWG NO	P24-447-01-2504-RD	



HORZ 1:500 VERT 1:250

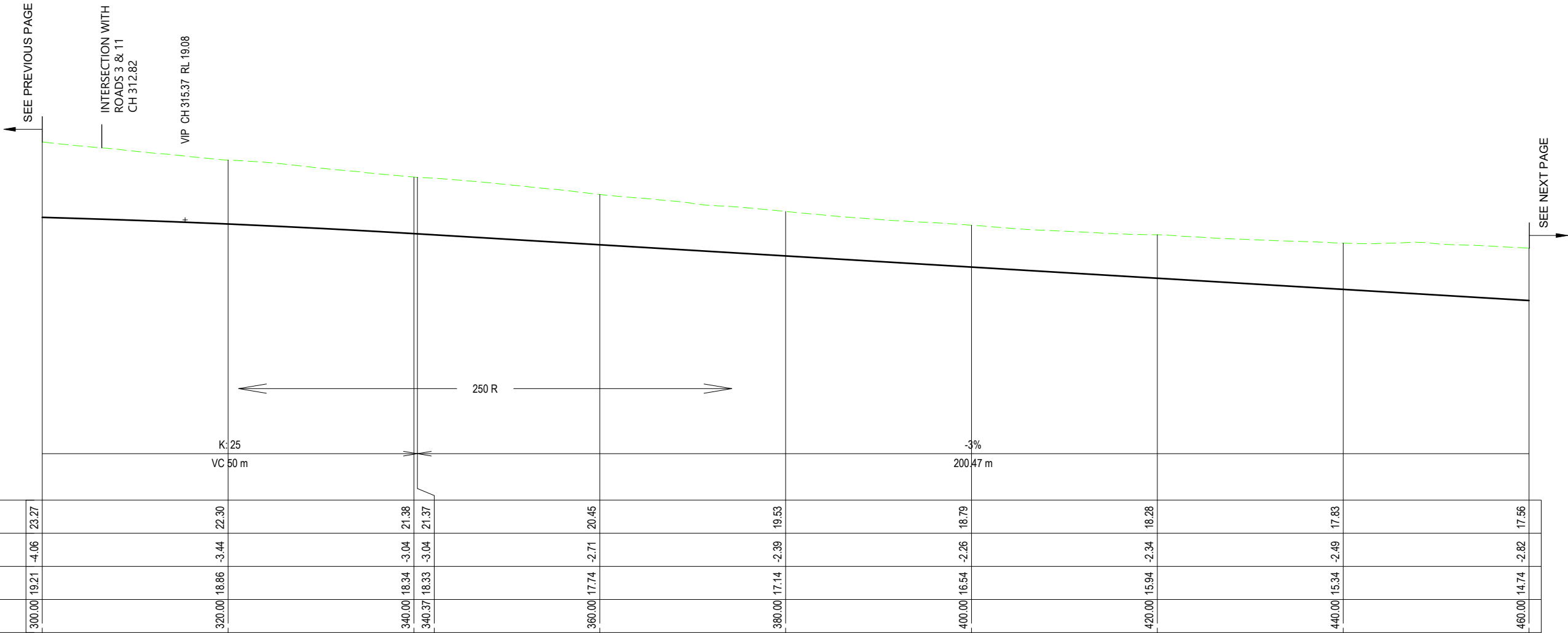
REVISION DETAILS		INT	DATE	SURVEYED		 	BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		STATUS	FOR S67 RESPONSE	REV
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	JK				SCALE	AS SHOWN	9
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS				COUNCIL	AUCKLAND COUNCIL	
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW				DWG NO	P24-447-01-2505-RD	
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD						



LEGEND

EXISTING GROUND LEVEL

PROPOSED FINISHED ROAD LEVEL



ROAD 03 LONGITUDINAL SECTION

HORZ 1:500 VERT 1:250

REVISION DETAILS		INT	DATE	SURVEYED	
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	JK
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD



BUILDING B, LEVEL 1

8 NUGENT ST, GRAFTON,

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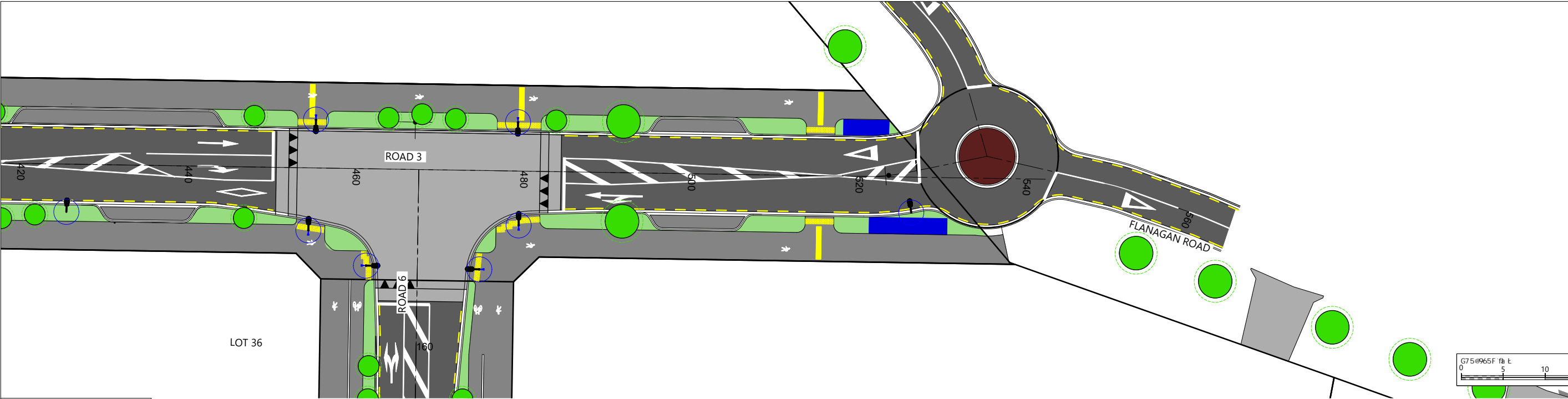
DRURY CENTRE-STAGE 2

ROAD 13 - (CH300.00-CH 460.00) LONGITUDINAL SECTION

Z

STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2506-RD	

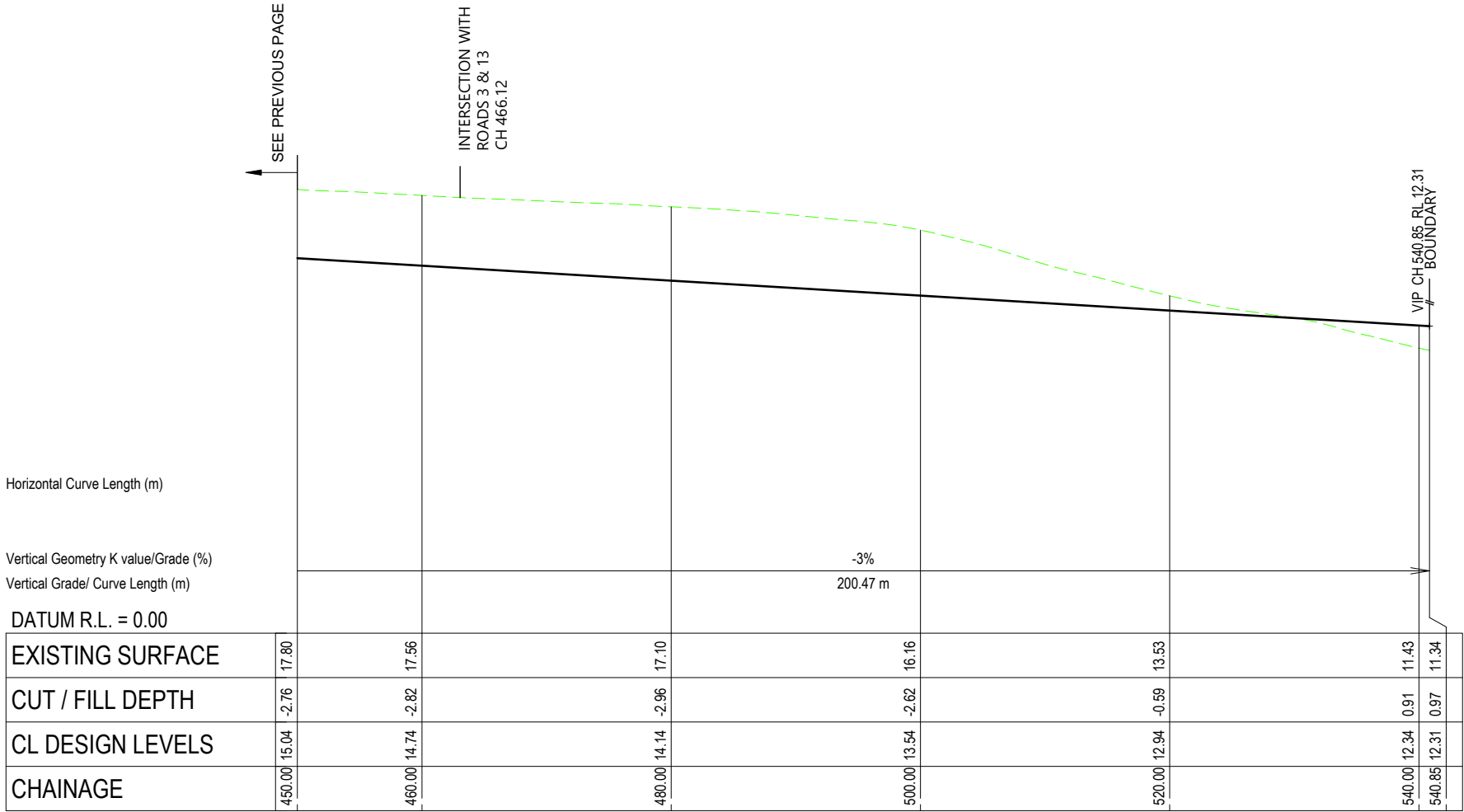
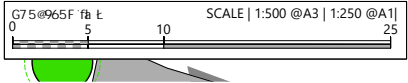
Plot Date: 2:07:30 pm,23 July 2025, MANDARK
File: C:\1205\DATA\WP-AKL-APP-02\P24-447 - DRURY CENTRE - STAGE 2_22140\02 DRAWINGS\01 ENG\P24-447-01-2506-RD_ROADING LONGSECTIONS.DWG



LEGEND

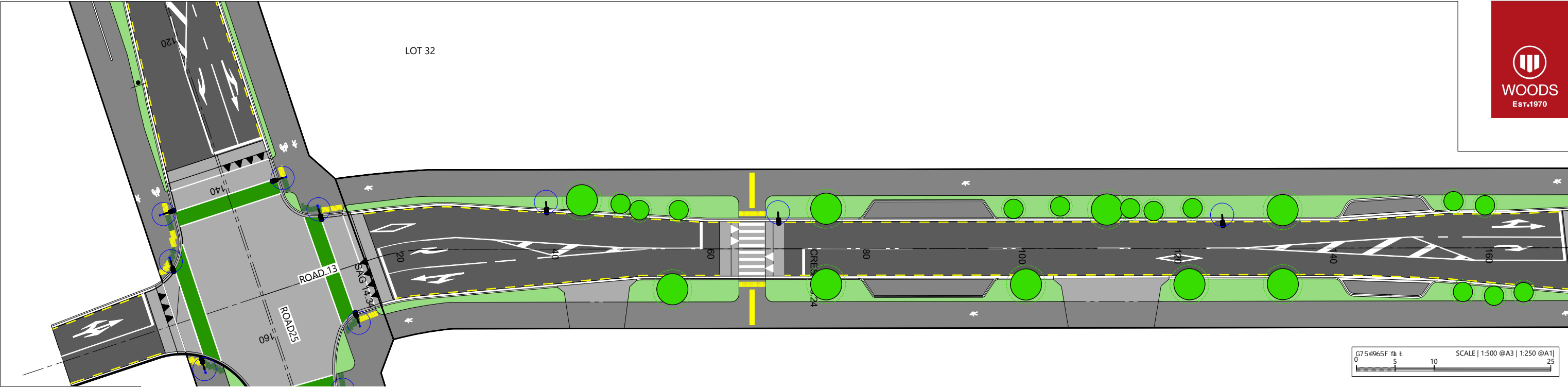
EXISTING GROUND LEVEL - - - - -

PROPOSED FINISHED ROAD LEVEL ———



ROAD 03 LONGITUDINAL SECTION
HORZ 1:500 VERT 1:250

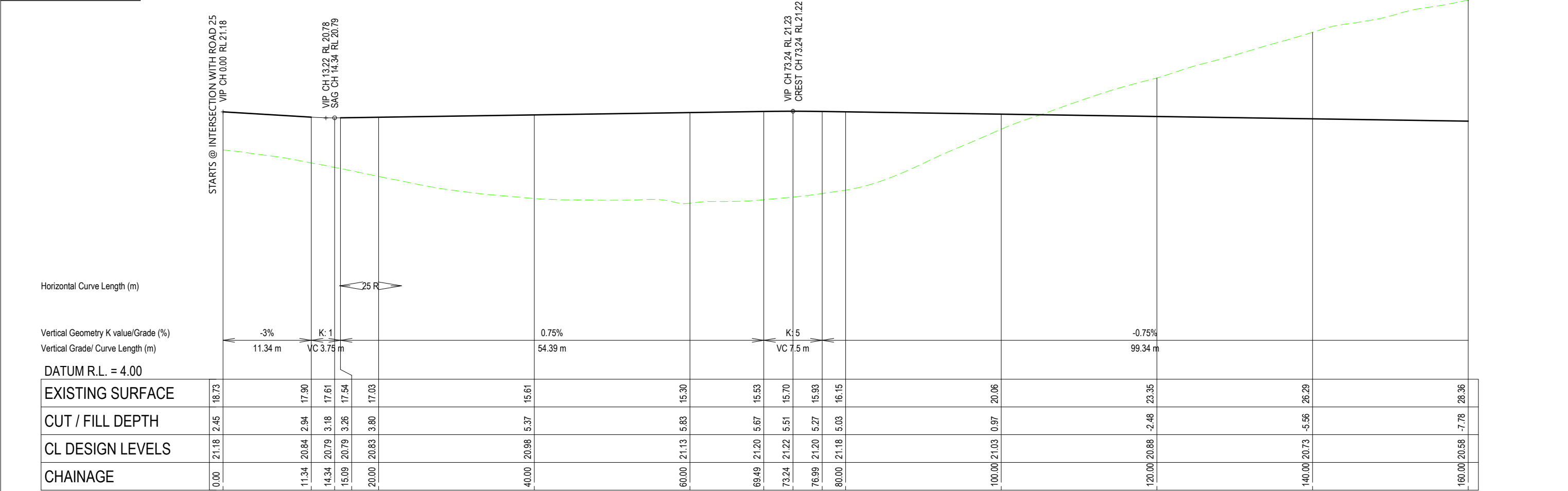
REVISION DETAILS		INT	DATE	SURVEYED			BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2			STATUS	FOR S67 RESPONSE	REV
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	JK				SCALE	AS SHOWN		9		
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS				COUNCIL	AUCKLAND COUNCIL				
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW				DWG NO	P24-447-01-2507-RD				
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD									



LEGEND

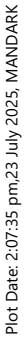
EXISTING GROUND LEVEL

PROPOSED FINISHED ROAD LEVEL



ROAD 13 LONGITUDINAL SECTION
HORZ 1:500 VERT 1:250

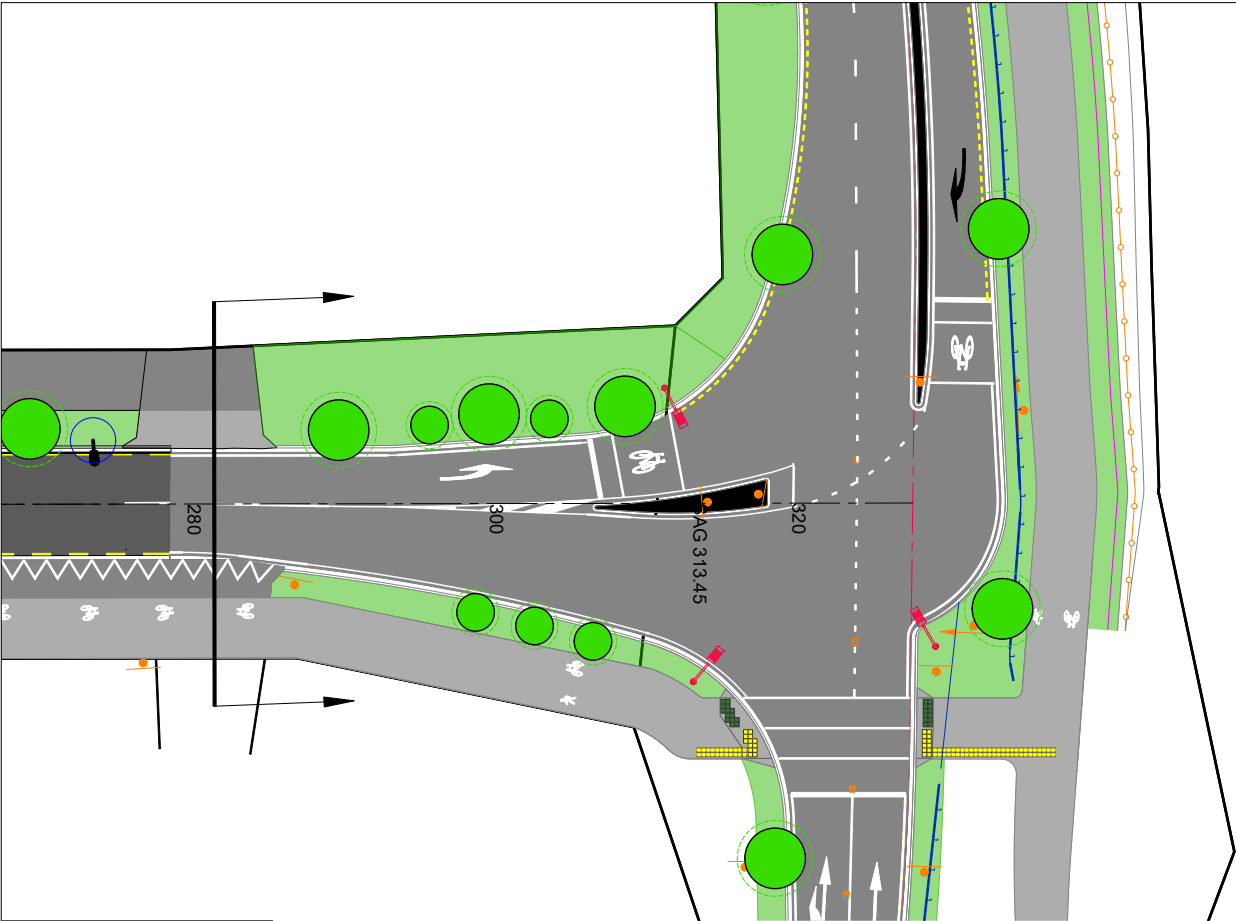
REVISION DETAILS					INT	DATE	SURVEYED			BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2			STATUS	FOR S67 RESPONSE	REV
3	FOR THE 99% SUBMISSION				EW	10/02/25	DESIGNED	JK				SCALE	AS SHOWN		9		
4	ISSUED FOR FAST TRACK CONSENT				EW	21/02/25	DRAWN	NS				COUNCIL	AUCKLAND COUNCIL				
5	ISSUED FOR S67 RESPONSE				SM	17/07/25	CHECKED	GW				DWG NO	P24-447-01-2508-RD				
9	ISSUED FOR S67 RESPONSE				SM	23/07/25	APPROVED	CD									



ROAD 13 LONGITUDINAL SECTION

HORZ 1:500 VERT 1:250

REVISION DETAILS		INT	DATE	SURVEYED			<div><div></div><div>BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ</div></div>	<div><div></div><div>DRURY CENTRE-STAGE 2 ROAD 13 - (CH150.00-CH 310.00) LONGITUDINAL SECTION</div></div>	STATUS	FOR S67 RESPONSE	REV
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	JK				SCALE	AS SHOWN	9
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS				COUNCIL	AUCKLAND COUNCIL	
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW				DWG NO	P24-447-01-2509-RD	
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD						



LEGEND

EXISTING GROUND LEVEL

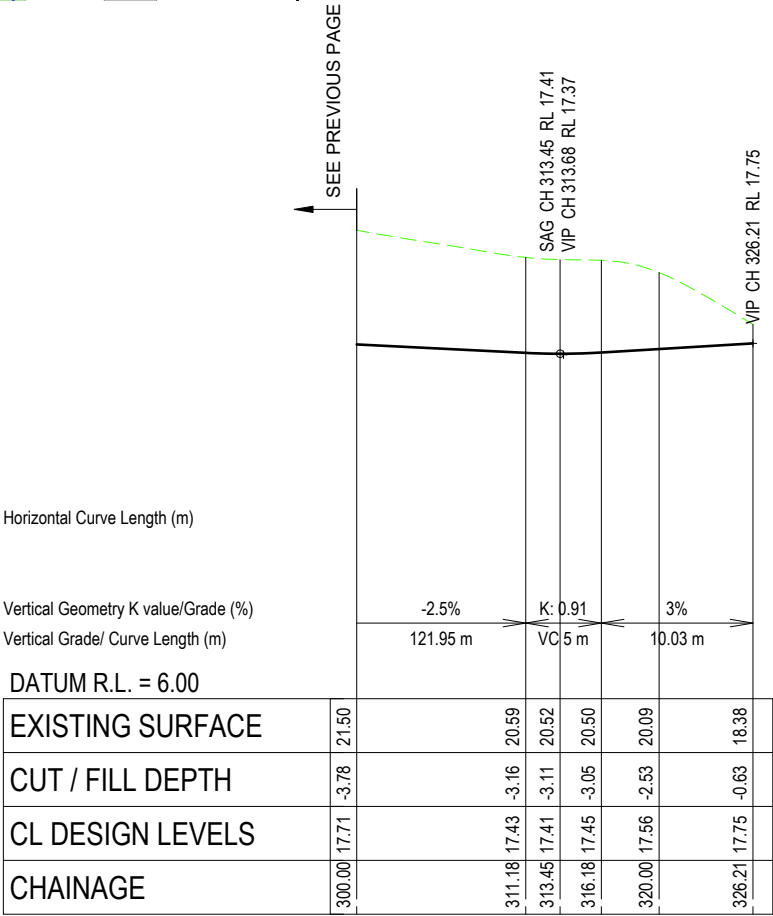
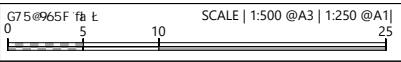
PROPOSED FINISHED ROAD LEVEL

NOTE:

ROAD 2 NORTH & ROAD 13 INTERSECTION TO BE CONSENTED UNDER NZTA SH1 OFFRAMP PROJECT.

ROAD 2 NORTH IS PART OF THE NZTA SH1 OFFRAMP PROJECT AND APART FROM EARTHWORK AND STORMWATER IS NOT PART OF THIS CONSENT.

DETAILS **PROVIDED FOR INFORMATION ONLY.**



ROAD 13 LONGITUDINAL SECTION

HORZ 1:500 VERT 1:250

REVISION DETAILS				
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED JK
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN NS
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED CD



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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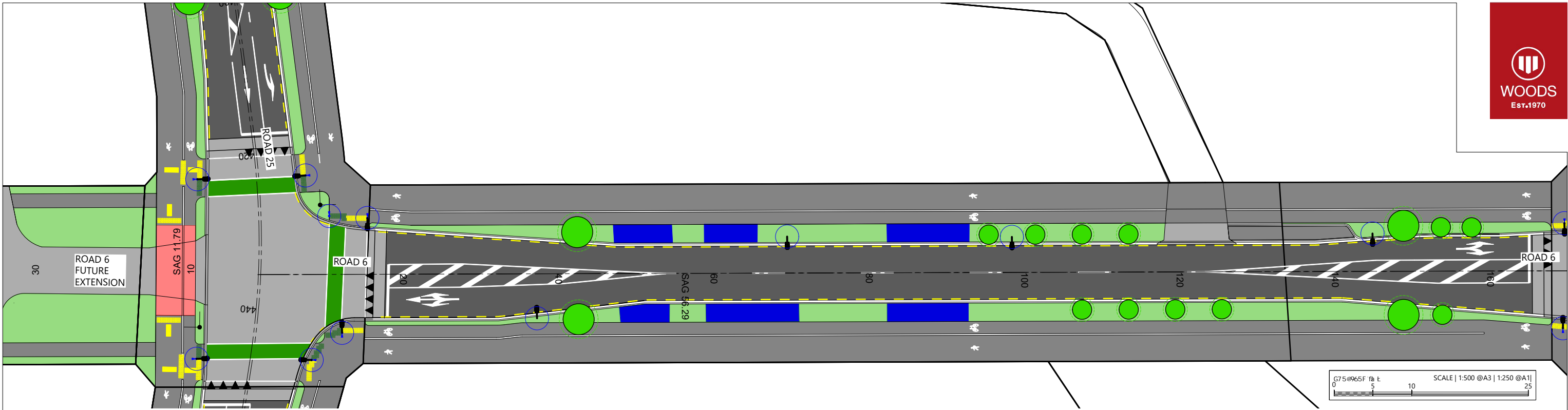


DRURY CENTRE-STAGE 2

ROAD 13 - (CH300.00-CH END) LONGITUDINAL SECTION



STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2510-RD	



LEGEND	
EXISTING GROUND LEVEL	---
PROPOSED FINISHED ROAD LEVEL	—

STARTS @ INTERSECTION WITH ROAD 25
VIP CH 0.00 RL 14.43

Horizontal Curve Length (m)

Vertical Geometry K value/Grade (%)
Vertical Grade/ Curve Length (m)

DATUM R.L. = -4.00

EXISTING SURFACE	10.74		9.85		10.18		11.87		14.18		13.77	13.46	13.10		10.59		8.99		13.27		16.44
CUT / FILL DEPTH	3.70		4.19		3.46		1.36		-1.34		-1.03	-0.75	-0.36		2.37		4.37		0.49		-2.28
CL DESIGN LEVELS	14.43		14.03		13.63		13.23		12.83		12.74	12.72	12.74		12.96		13.36		13.76		14.16
CHAINAGE	0.00		20.00		40.00		60.00		80.00		84.87	86.87	88.87		100.00		120.00		140.00		160.00

ROAD 06 LONGITUDINAL SECTION

HORZ 1:500 VERT 1:250

REVISION DETAILS					INT	DATE	SURVEYED	
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	JK			
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS			
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW			
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD			



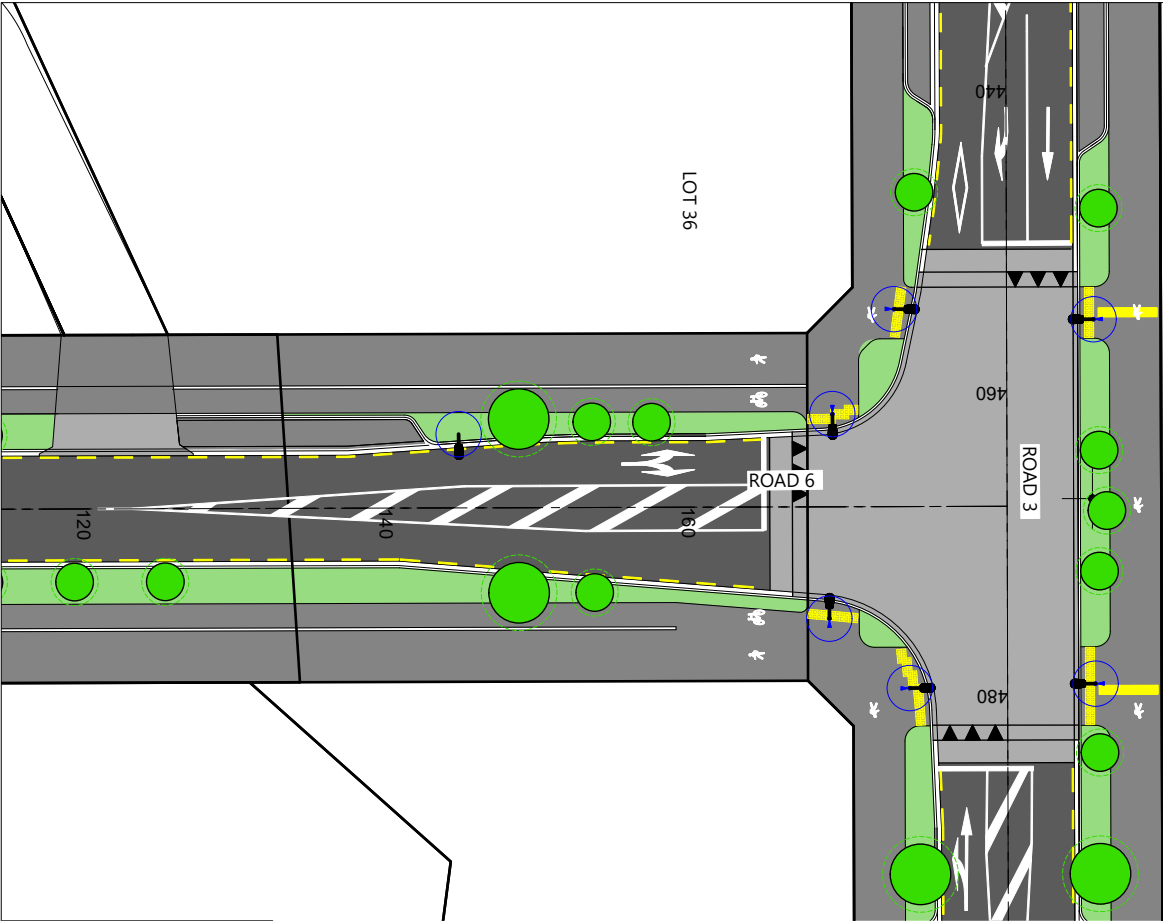
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
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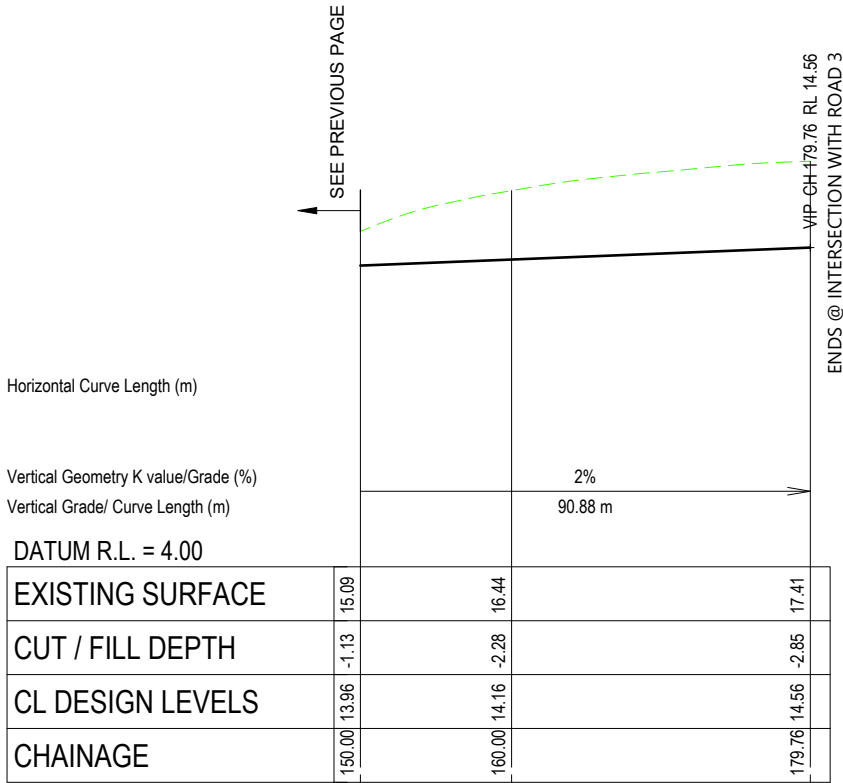
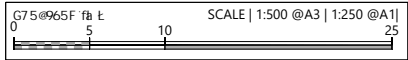
DRURY CENTRE-STAGE 2
ROAD 06 - (CH0.00-CH 160.00) LONGITUDINAL SECTION



STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2511-RD	

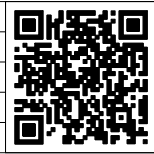


LEGEND	
EXISTING GROUND LEVEL	---
PROPOSED FINISHED ROAD LEVEL	—



ROAD 06 LONGITUDINAL SECTION
HORZ 1:500 VERT 1:250

REVISION DETAILS				
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED JK
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN NS
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED CD



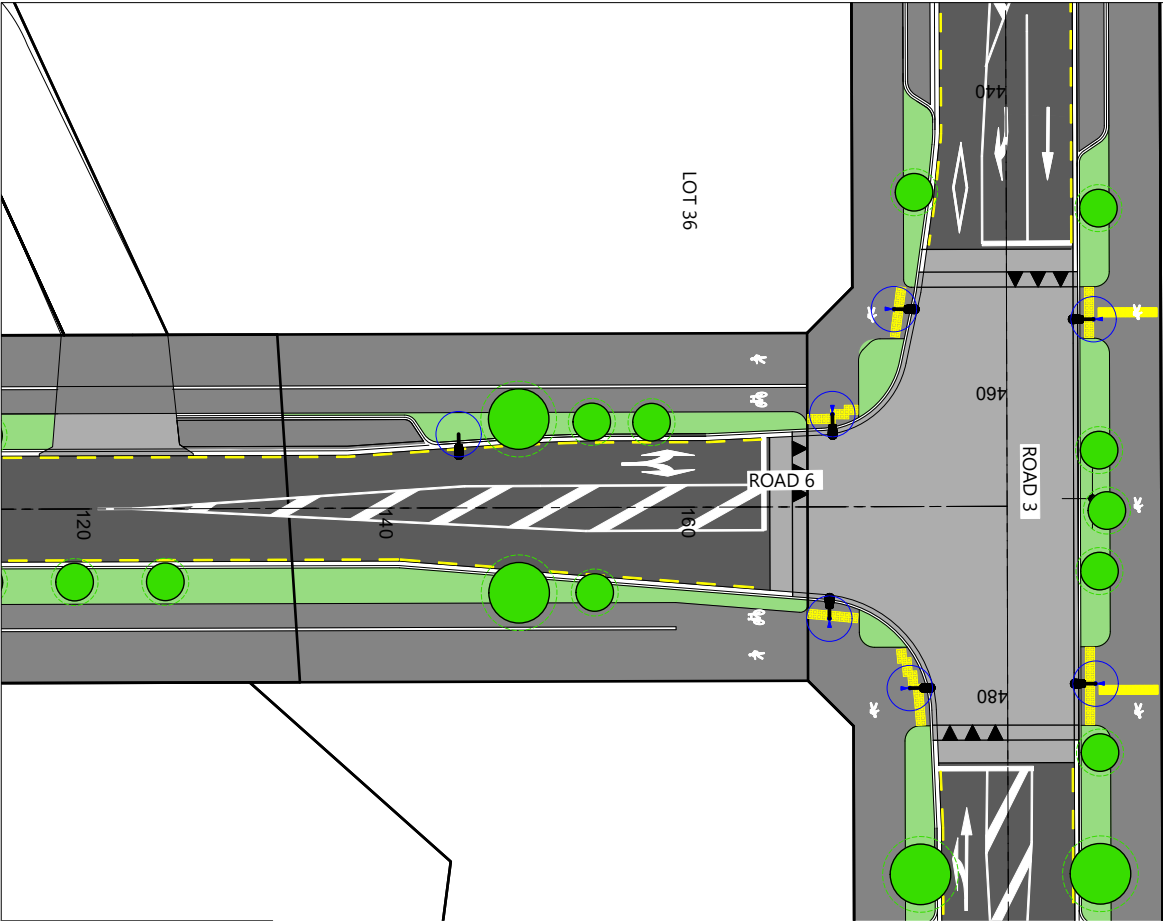
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
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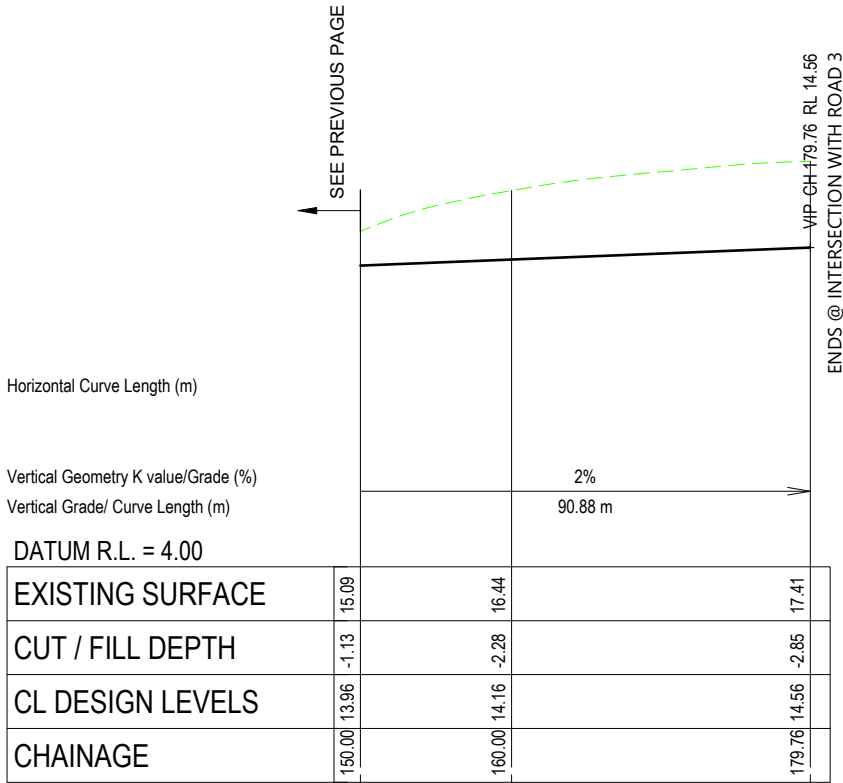
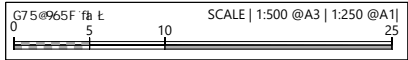
DRURY CENTRE-STAGE 2
ROAD 06 - (CH150.00-CH END) LONGITUDINAL SECTION



STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2512-RD	



LEGEND	
EXISTING GROUND LEVEL	---
PROPOSED FINISHED ROAD LEVEL	—



ROAD 06 LONGITUDINAL SECTION
HORZ 1:500 VERT 1:250

REVISION DETAILS				
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED JK
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN NS
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED CD



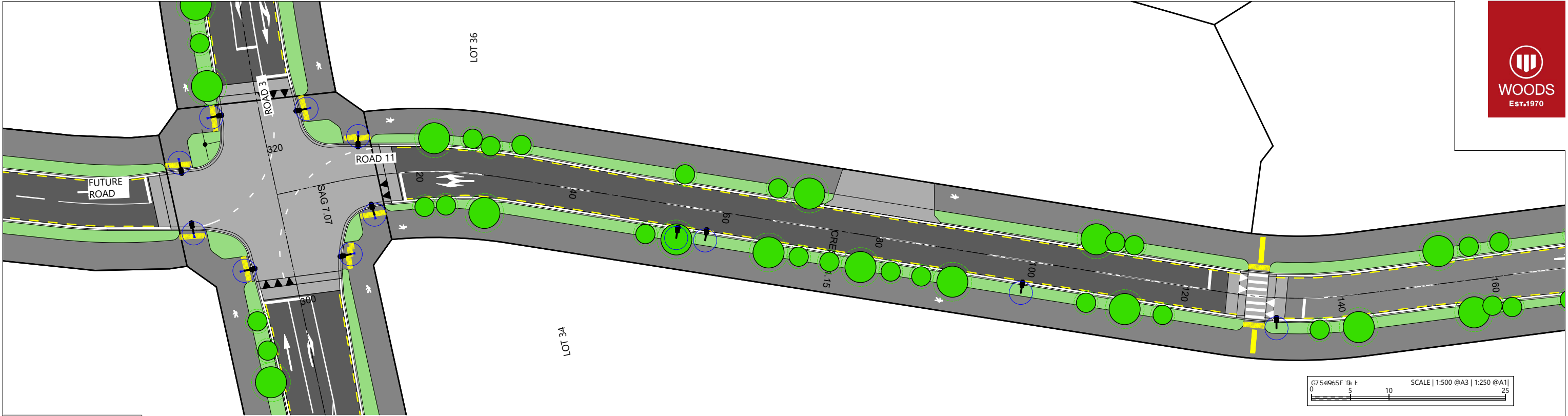
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
[WOODS.CO.NZ](https://www.woods.co.nz)



DRURY CENTRE-STAGE 2
ROAD 06 - (CH150.00-CH END) LONGITUDINAL SECTION



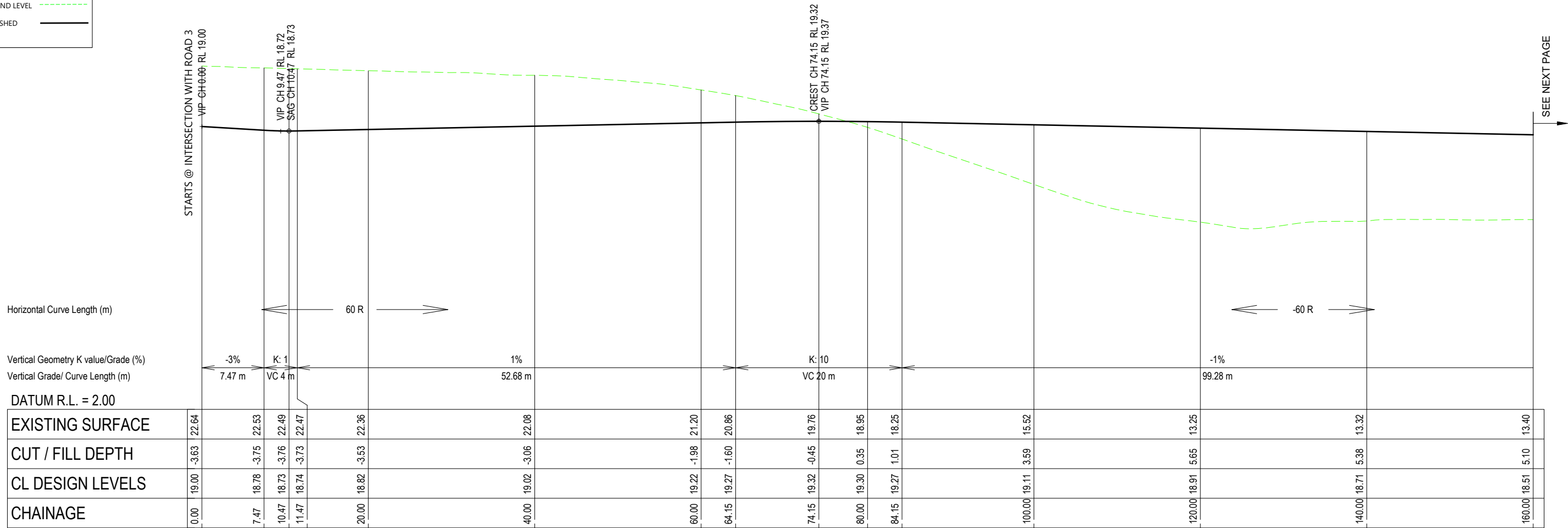
STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2512-RD	



LEGEND

EXISTING GROUND LEVEL

PROPOSED FINISHED ROAD LEVEL



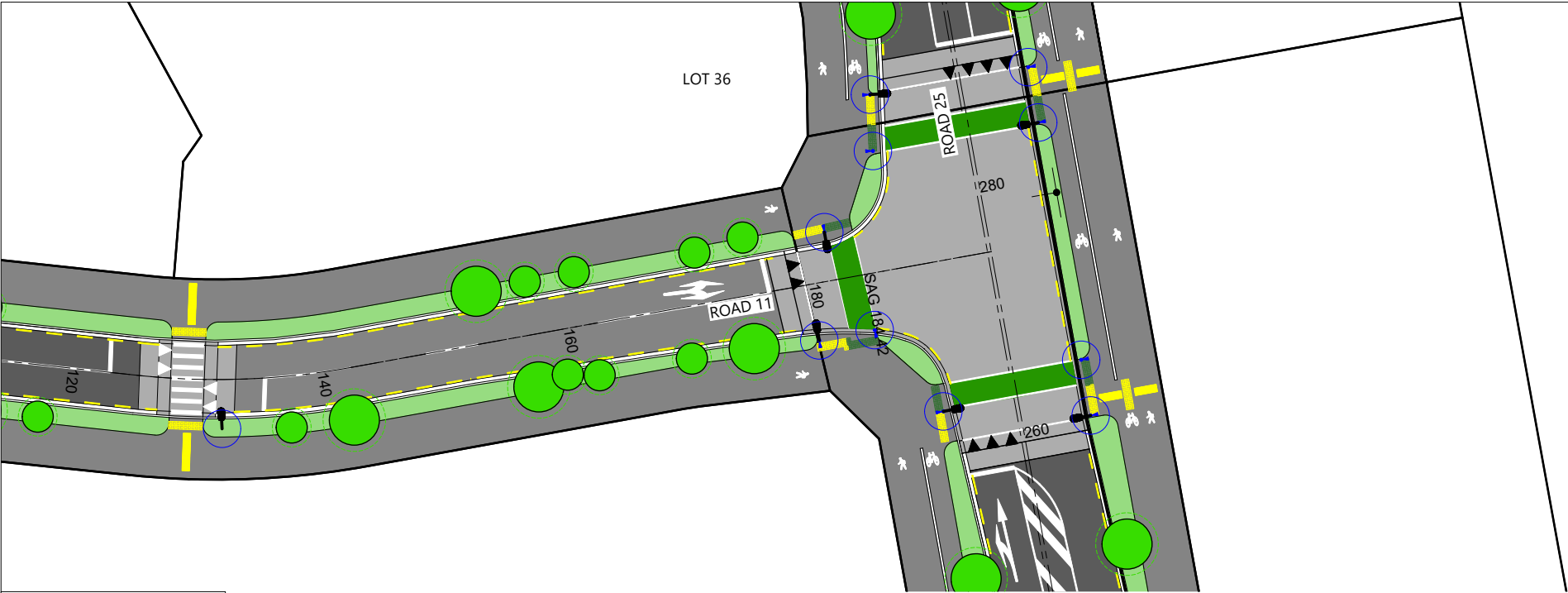
ROAD 11 LONGITUDINAL SECTION

HORZ 1:500 VERT 1:250

REVISION DETAILS	INT	DATE	SURVEYED			BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2	ROAD 11 - (CH0.00-CH 160.00) LONGITUDINAL SECTION		STATUS	FOR S67 RESPONSE	REV
3 FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED	JK							SCALE	AS SHOWN	9
4 ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN	NS							COUNCIL	AUCKLAND COUNCIL	
5 ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED	GW							DWG NO	P24-447-01-2513-RD	
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD									

Plot Date: 2:07:42 pm,23 July 2025, MANDARK

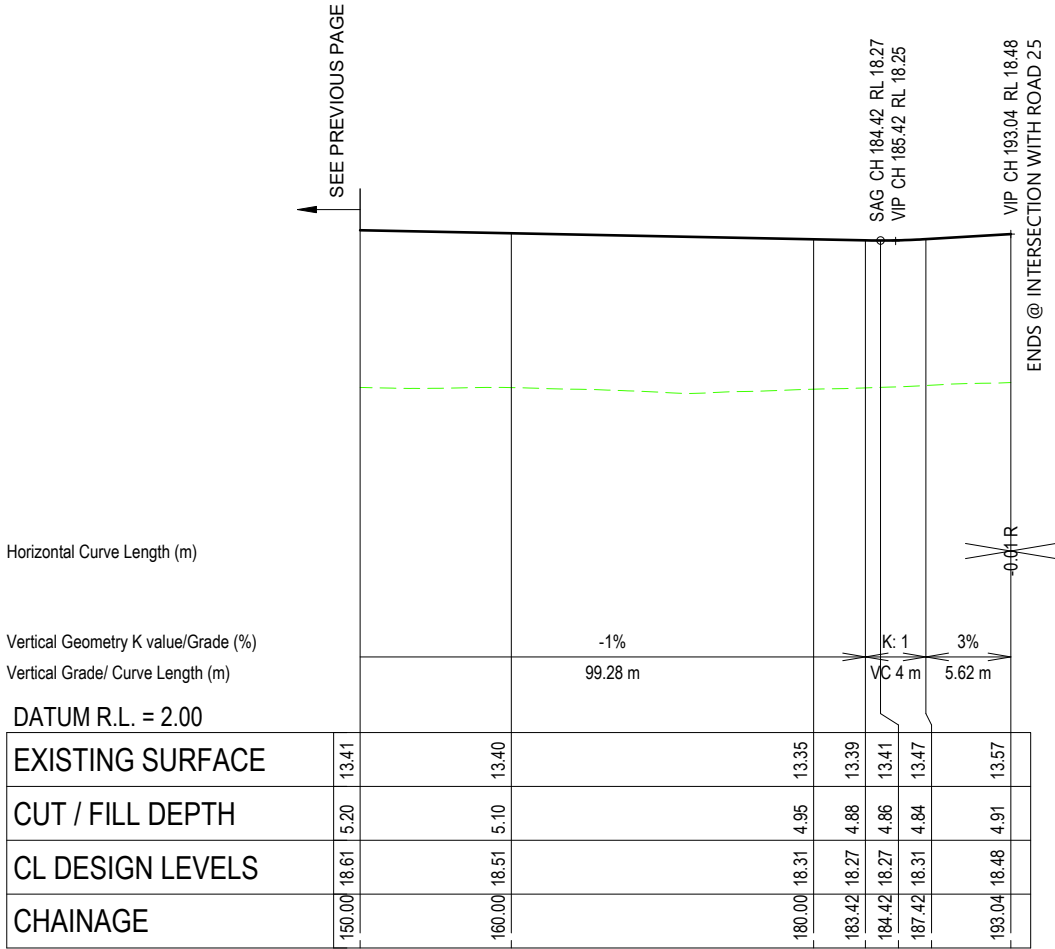
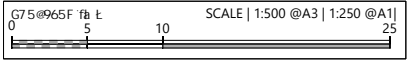
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LEGEND

EXISTING GROUND LEVEL

PROPOSED FINISHED ROAD LEVEL



ROAD 11 LONGITUDINAL SECTION
HORZ 1:500 VERT 1:250

REVISION DETAILS				
3	FOR THE 99% SUBMISSION	EW	10/02/25	DESIGNED JK
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/25	DRAWN NS
5	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED CD



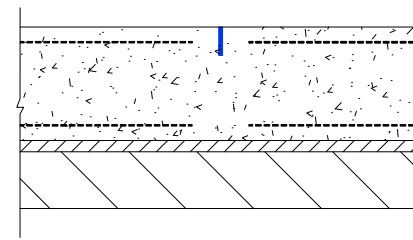
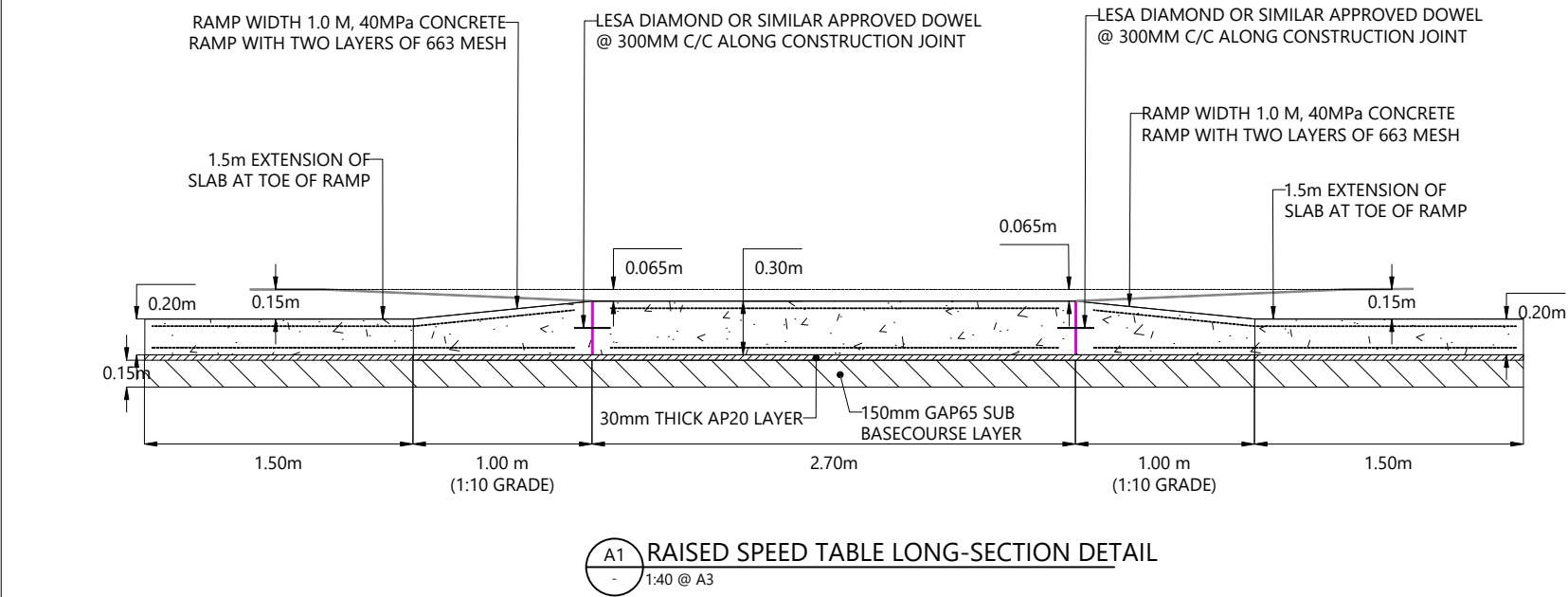
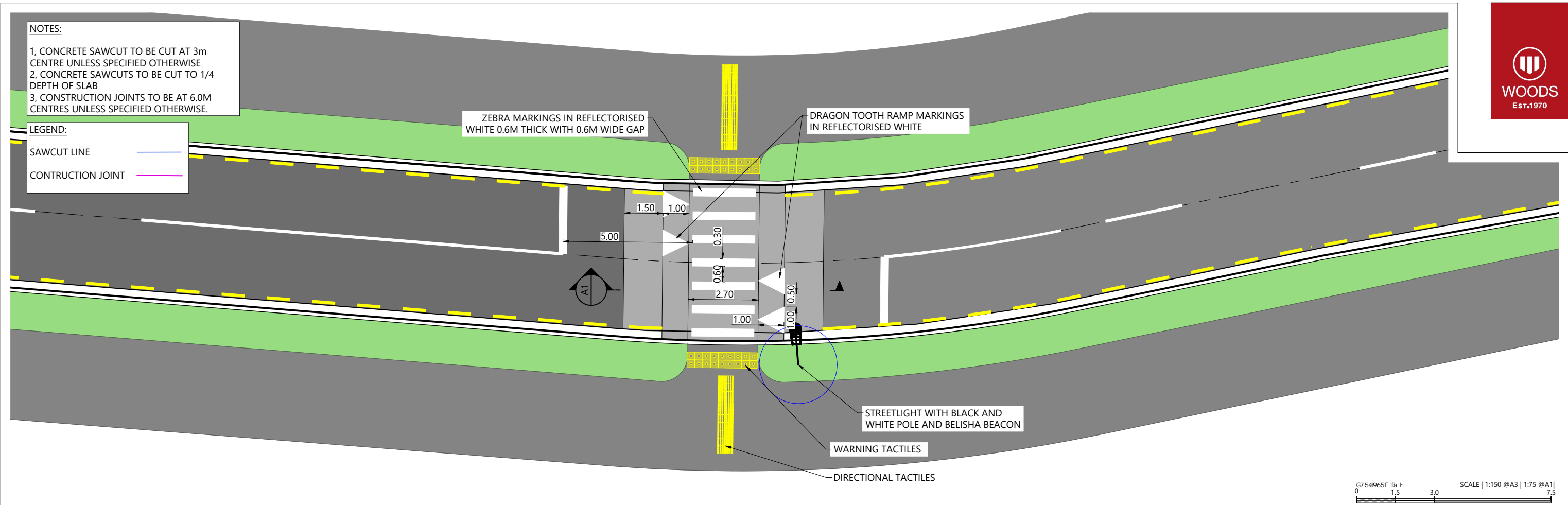
BUILDING B, LEVEL 1
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DRURY CENTRE-STAGE 2
ROAD 11 - (CH150.00-CH END) LONGITUDINAL SECTION



STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2514-RD	



SAWCUT JOINT DETAIL
1:20 @ A3

REVISION DETAILS				
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3	ISSUED FOR RAST TRACK CONSENT	EW	21/02/25	DRAWN NS
4	ISSUED FOR S67 RESPONSE	SM	17/07/25	CHECKED GW
9	ISSUED FOR S67 RESPONSE	SM	23/07/25	APPROVED GW



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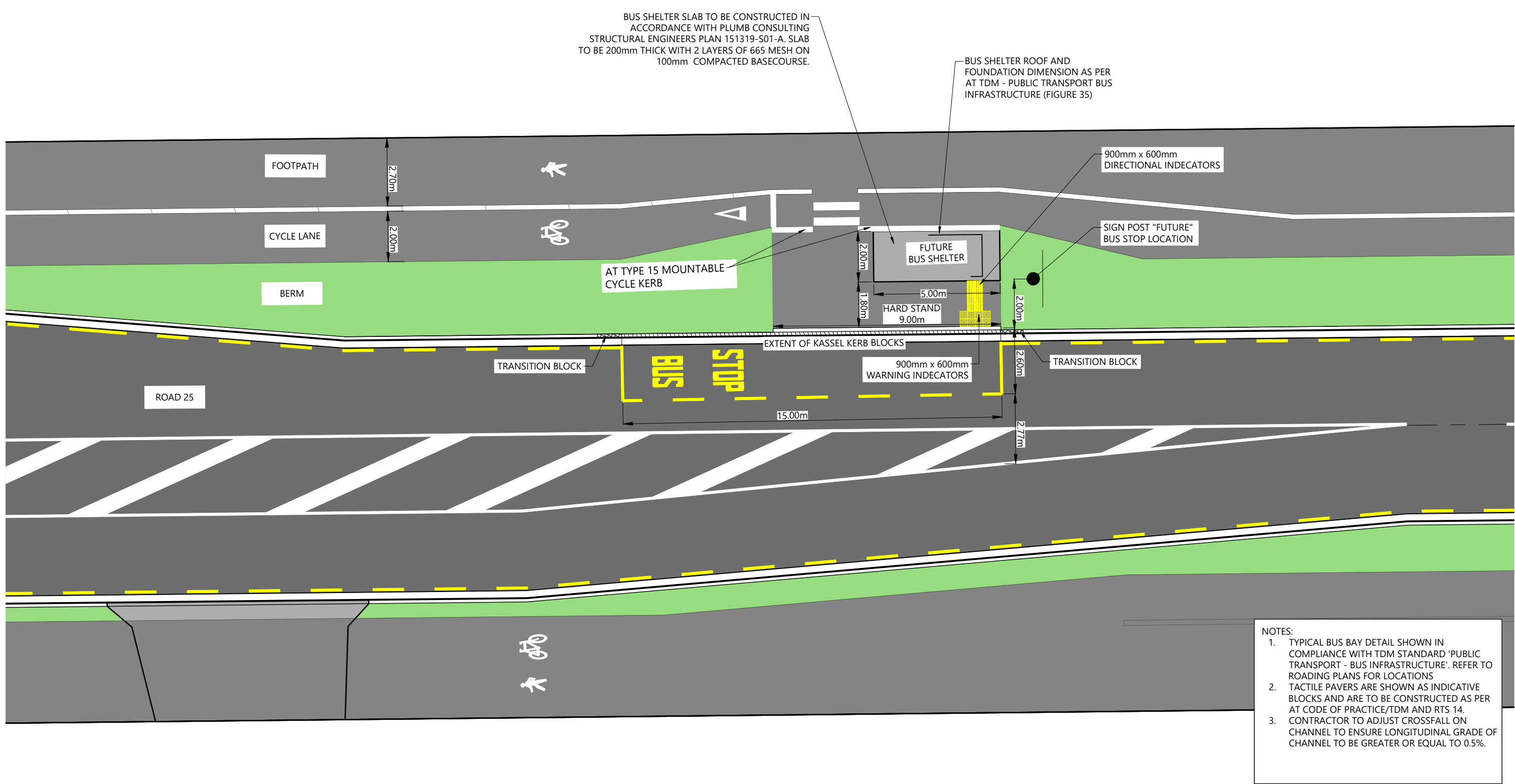


DRURY CENTRE-STAGE 2

TYPICAL RAISED PEDESTRIAN CROSSING DETAIL



STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2810-RD	



REVISION DETAILS	INT	DATE	SURVEYED	
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3 ISSUED FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	NS
4 ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED	GW
9 ISSUED FOR S67 RESPONSE	EW	23/07/2025	APPROVED	GW



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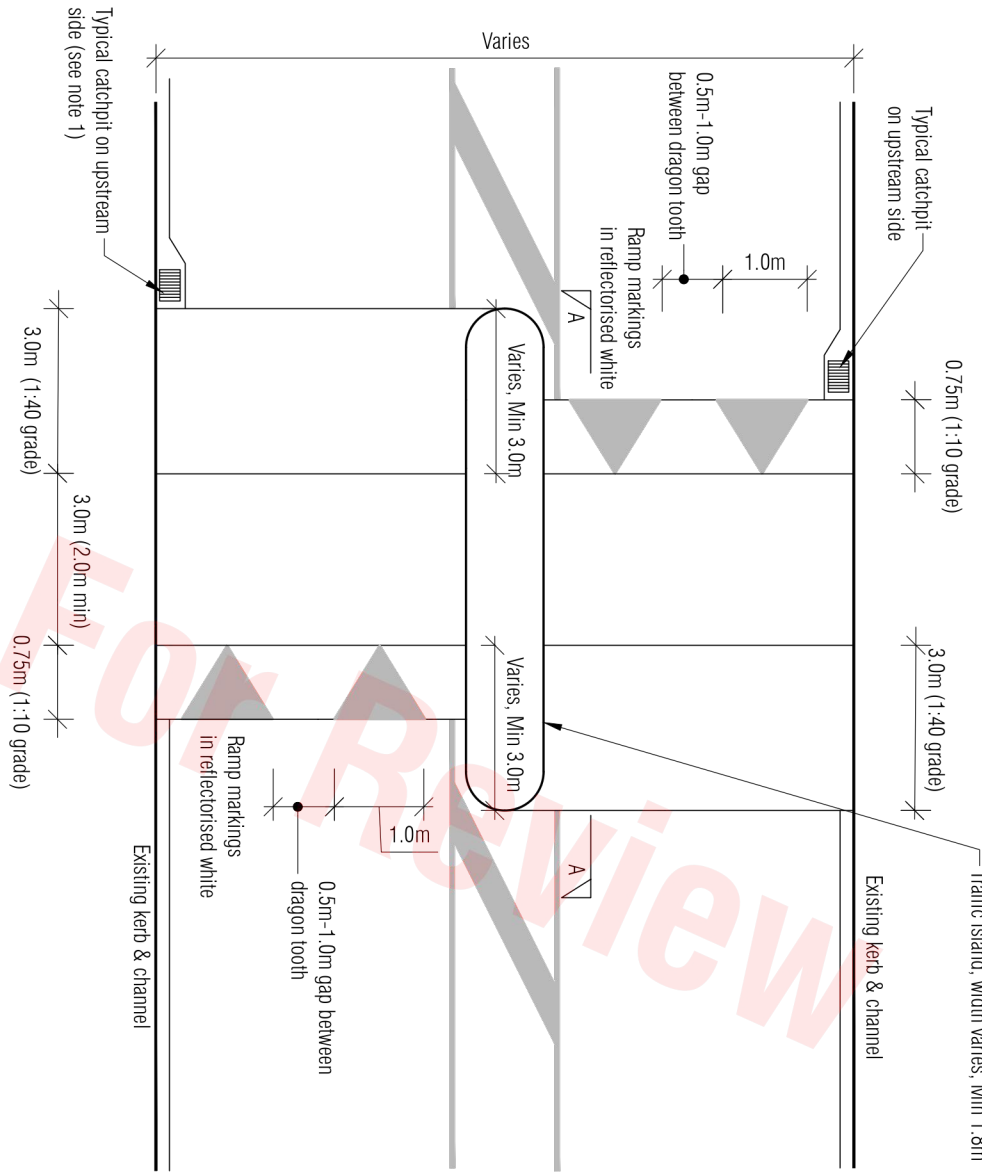
DRURY CENTRE-STAGE 2
BUS BAY DETAIL



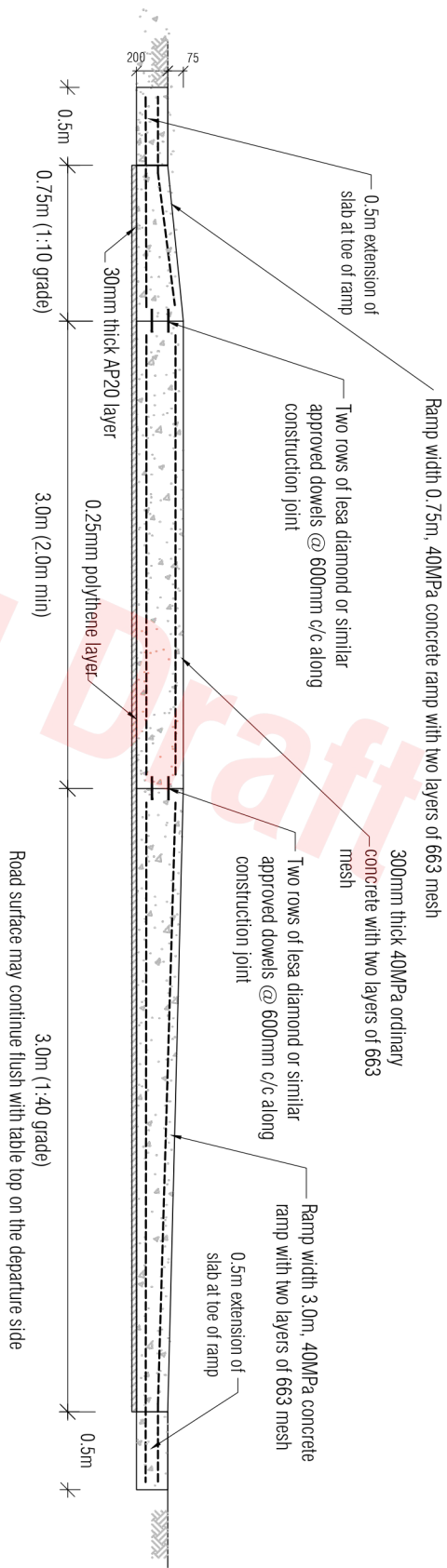
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SCALE	1:150 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2830-RD	



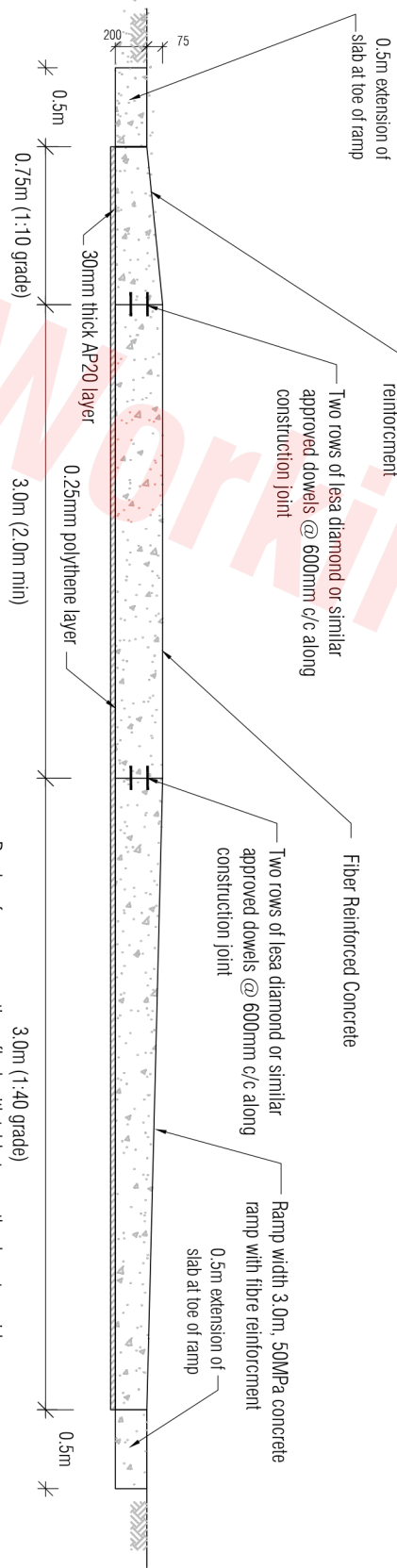
Advance warning signs
on approaching
speed-table or humps



PLAN
NOT TO SCALE



SECTION A-A
NOT TO SCALE



NOTES

1. See Engineering Design Code - Road drainage for design of catchpits or alternative drainage.
2. All work to have a tolerance of $\pm 5\text{mm}$.
3. Reinforcing to be placed on spacers.
4. PV-39 sign with supplementary as shown to be erected in advance of treatment on both sides of the carriageway facing approaching traffic
5. Where the speed table is greater than 6.0m in width a longitudinal joint shall be created

SECTION A-A (ALTERNATE OPTION)
NOT TO SCALE

Transport Design Manual | Standard Engineering Details

Review



DATE: February 14, 2020

TRANSPORT DESIGN MANUAL
Speed table (Swedish Type For Frequent Bus Network)

Date: Document in Review

SED No.

TC0022

Version

A

REVISION DETAILS				
2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED JK
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN NS
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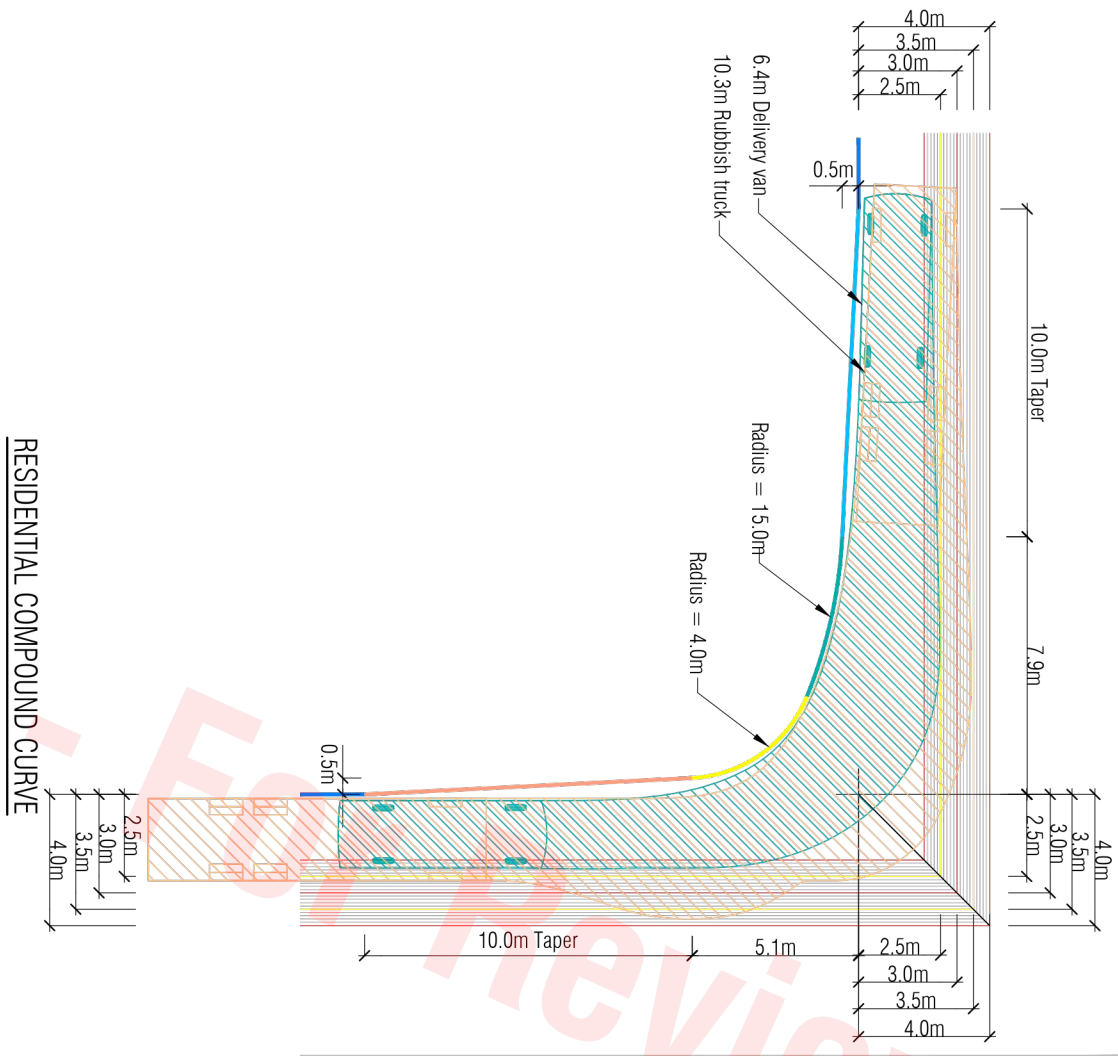
BUILDING B, LEVEL 1
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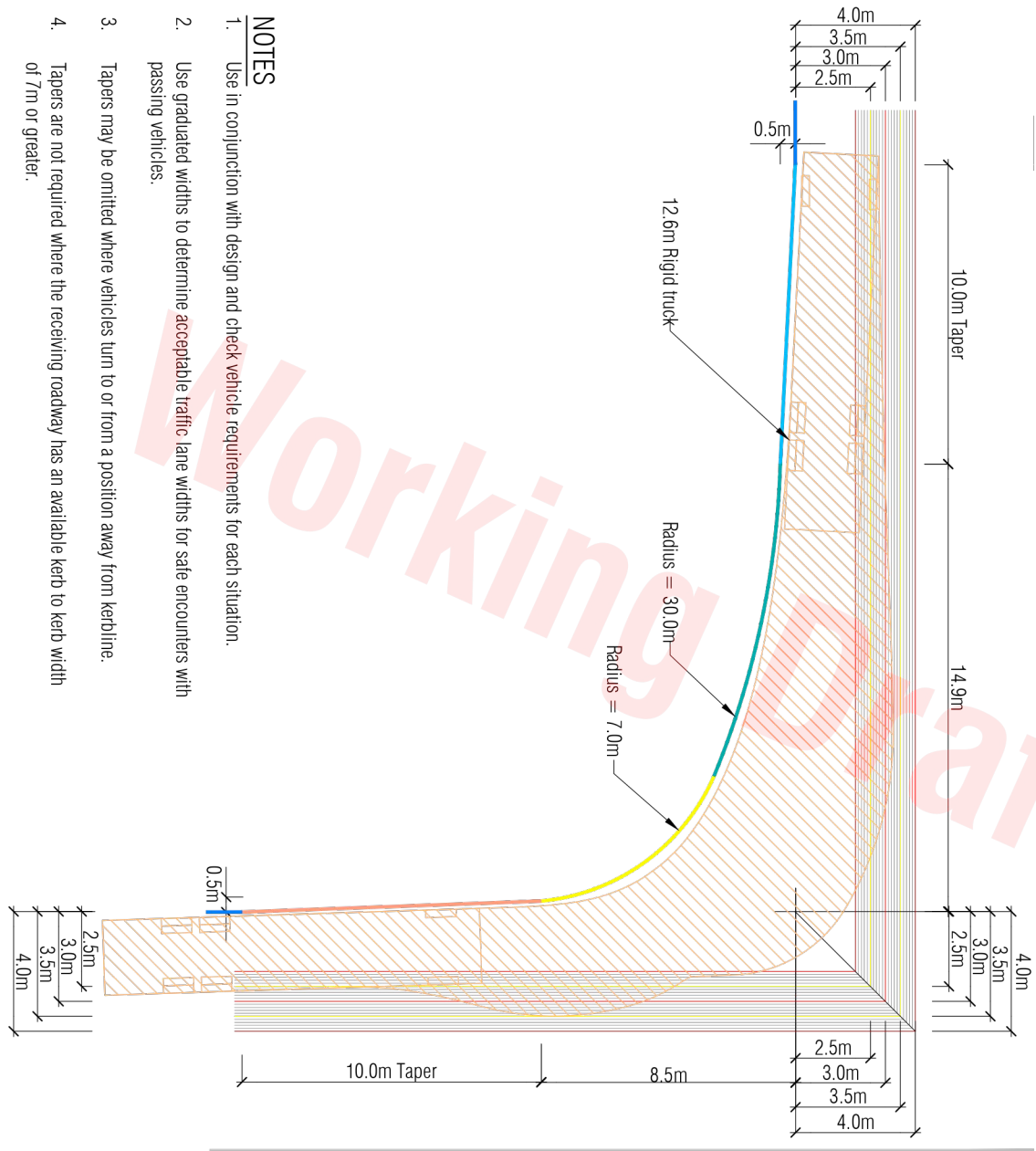


DRURY CENTRE-STAGE 2
AT TDM - SPEED (SWEDISH) TABLE

STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2850-RD	



RESIDENTIAL COMPOUND CORNER



COMMERCIAL COMPOUND CORNER

NOTES

1. Use in conjunction with design and check vehicle requirements for each situation.
2. Use graduated widths to determine acceptable traffic lane widths for safe encounters with passing vehicles.
3. Tapers may be omitted where vehicles turn to or from a position away from kerbline.
4. Tapers are not required where the receiving roadway has an available kerb to kerb width of 7m or greater.

GD00004

Review
1

DATE: February 14, 2020

TDM TECHNICAL STANDARDS
Compound corner templates

Date: Document in Review
SED No. GD00004
Version A

Transport Design Manual | Standard Engineering Details

REVISION DETAILS				
2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED JK
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN NS
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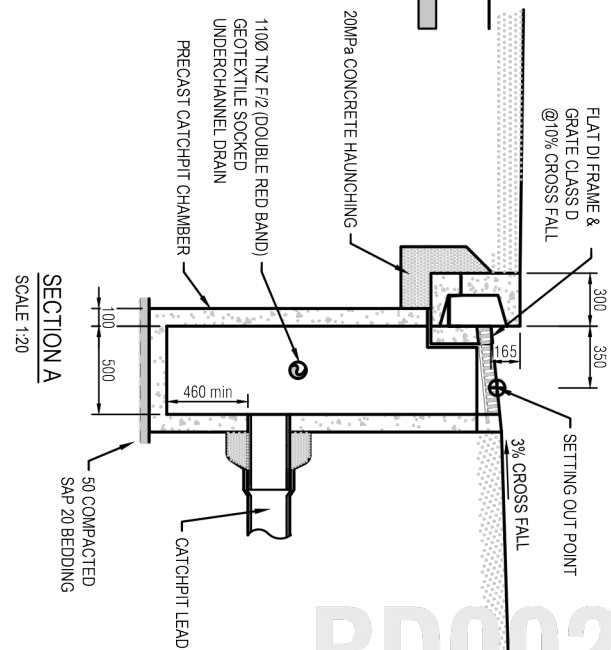
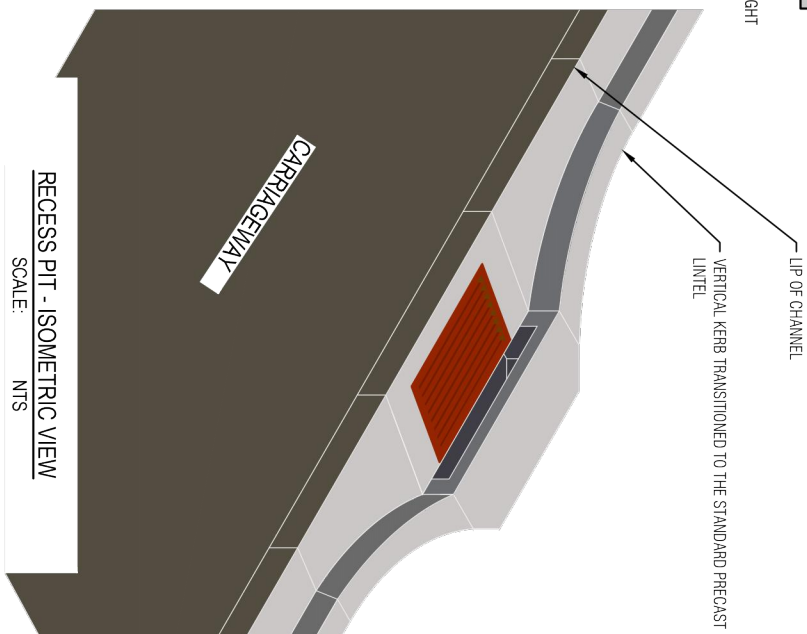
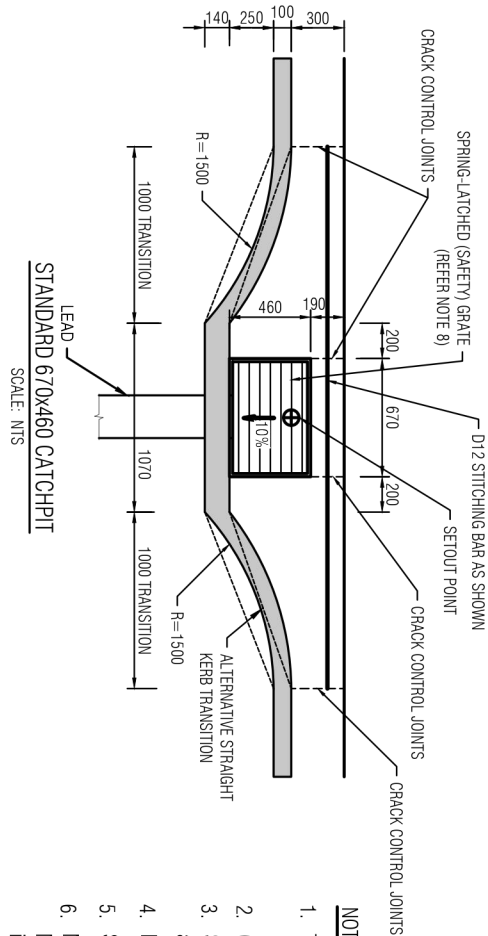
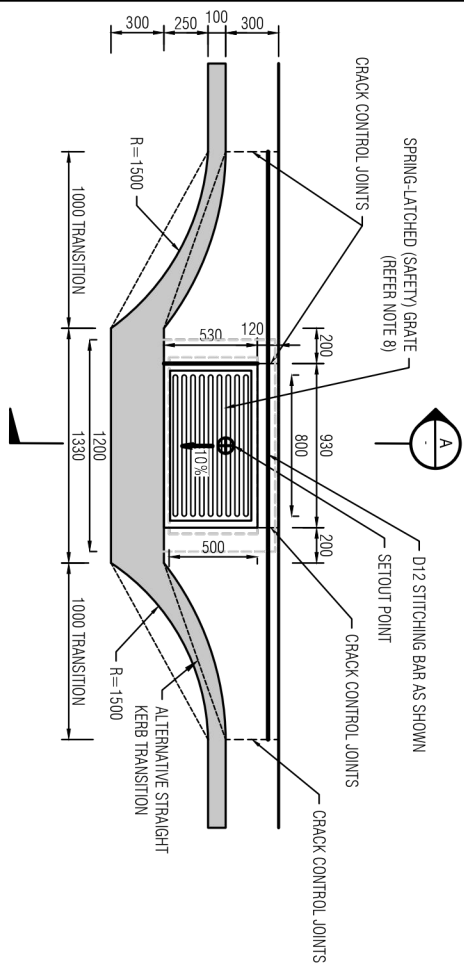
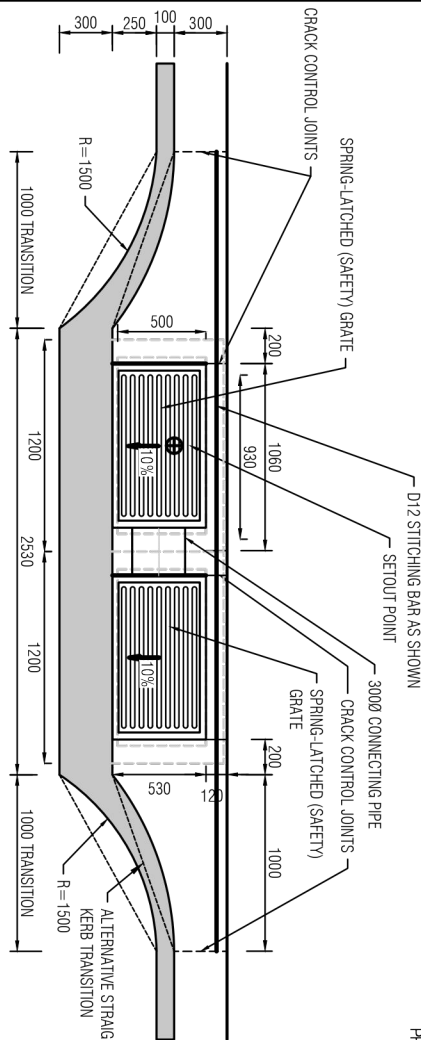
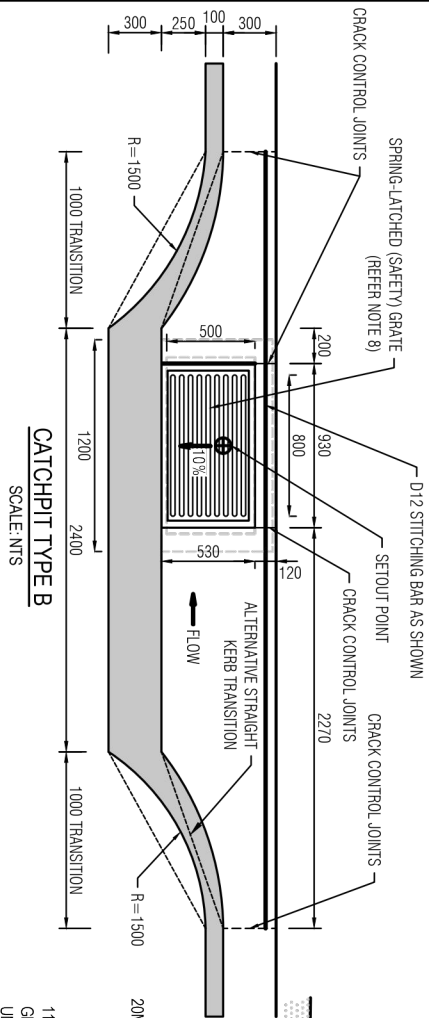


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DRURY CENTRE-STAGE 2
AT TDM - COMPOUND CORNER

STATUS	FOR S67 RESPONSE	REV 9
SCALE	N.T.S	
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2851-RD	



- NOTES:
1. Transition kerb to be precast, slip - formed to radius or with in situ concrete element to match to adjoining kerb type
 2. Catchpit to be setout by kerbs stringline on-site to ensure correct location
 3. Standard 670x460 dishd grate is not cycle-friendly. Do not use where cycle access permitted.
 4. Half syphon to be used in combined catchment areas only.
 5. Standard 670x460 catchpit to be 1.4m deep.
 6. Nominal Dimensions only. Refer to supplier's information for actual dimensions of catchpits. Minimum wall thickness 75 mm. Sump depth 450 min. Minimum depth to catchpit lead invert 725mm in grassed areas.
 7. Increase class of pipe where minimum cover of 900mm cannot be achieved for Catchpit leads.
 8. Catchpit grates should be spring - latched (safety) grate should be Class D to AS3996 with a minimum weight of 62.5kg
 - Comply with EDC - Road drainage & surface water control, Clause 6.5
 9. Back entry plates and galvanised lintel edges should have rounded edges to minimise worker injury.
 10. Catchpit connecting to combined network system (wastewater/stormwater) should be installed with a spring latched safety grate.

Transport Design Manual | Standard Engineering Details



TDM TECHNICAL STANDARDS

Semi recessed catchpit

Date: 30/11/2021

SED No.

RD00020

Version

C



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DRURY CENTRE-STAGE 2

AT TDM - SEMI-RECESSED CATCH PIT

STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2852-RD	

REVISION DETAILS	INT	DATE	SURVEYED	
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3 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	NS
4 ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED	GW
9 ISSUED FOR S67 RESPONSE	EW	23/07/2025	APPROVED	CD

40mm AC 14 Surfing

150

400

150

AT AP40

AT GAP65

NZTA F/2

Filtersok or similar approved product (if required)

100

100

varies

150

40

IN CARRIAGEWAY

NOTES

1. Construct subsoil drain after construction and shaping of Subgrade. Subgrade must be level or fall towards subsoil drain
2. Underchannel Drains
Shall be approved perforated drain pipe of 100mm internal diameter unless specified or scheduled otherwise. Subsoildrain pipes shall comply with the requirements of TNZ Specifications F/2. Trench backfill shall be approved AP20 material or similar. Trench backfill shall be approved 30/10 scoria or similar if a filter sock is provided. Depth below subgrade to be 375mm.
3. Sub-base material shall be laid with fall towards a downstream catchpit or other access chamber with connection invert level above the soffit level of the outlet pipe (or water level in a chamber with half-siphon traps)

Transport Design Manual | Standard Engineering Details

DATE: March 2, 2023

TDM TECHNICAL STANDARDS

Subsoil drain

Date: _____

Document in Review

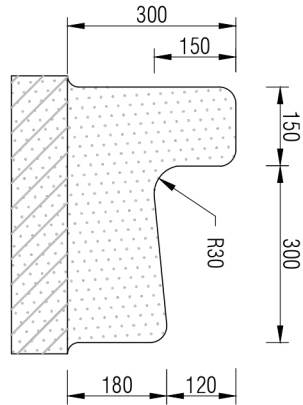
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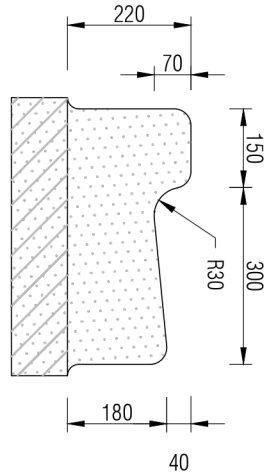
Version

B

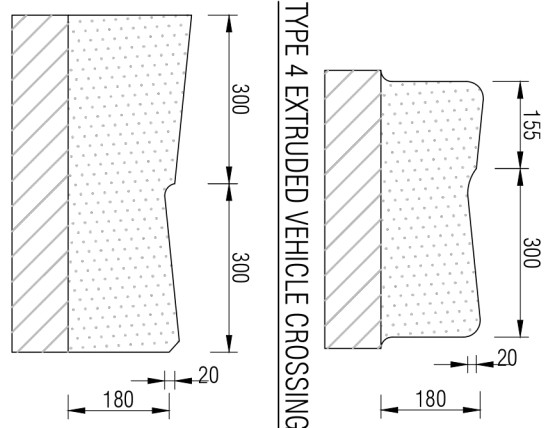
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2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED								JK	SCALE	N.T.S	9
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN								NS	COUNCIL	AUCKLAND COUNCIL	
4	ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED								GW	DWG NO	P24-447-01-2853-RD	
9	ISSUED FOR S67 RESPONSE	EW	23/07/2025	APPROVED								CD			



TYPE 3 EXTRUDED STANDARD KERB AND CHANNEL

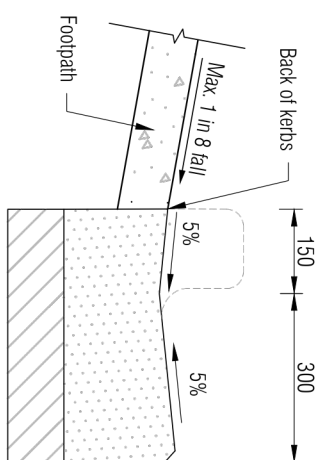


TYPE 3 EXTRUDED STANDARD KERB AND CHANNEL (OPTIONAL)

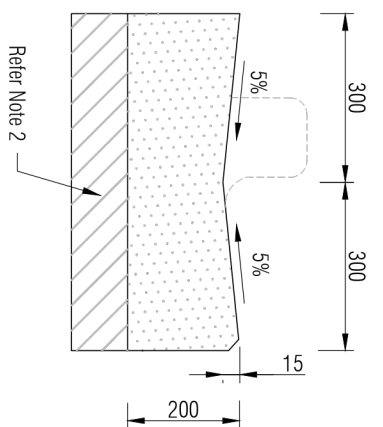


TYPE 4 EXTRUDED VEHICLE CROSSING

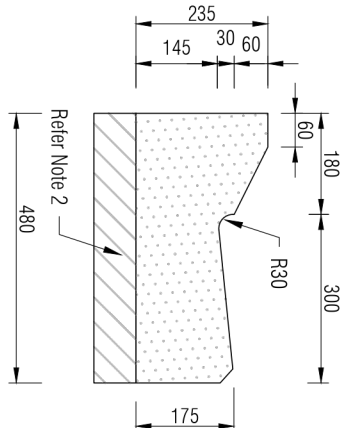
TYPE 4 IN-SITU VEHICLE CROSSING



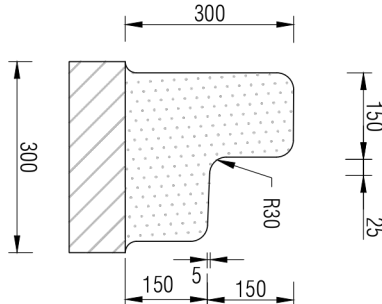
TYPE 5 EXTRUDED PRAM CROSSING



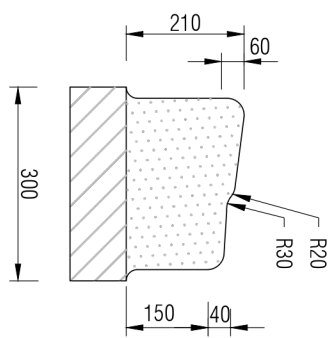
TYPE 5 IN-SITU PRAM CROSSING



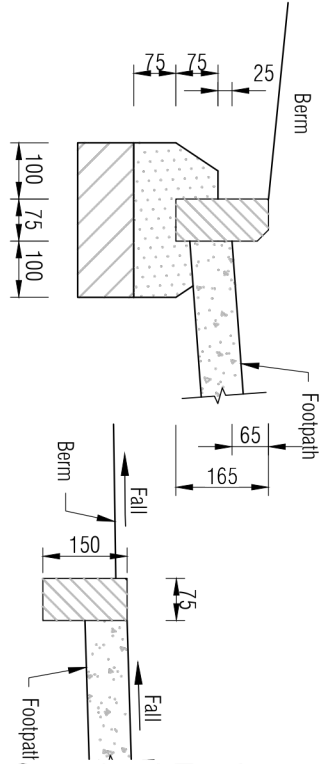
TYPE 6 EXTRUDED MOUNTABLE KERB AND CHANNEL



TYPE 7 EXTRUDED STANDARD KERB ONLY



TYPE 7C EXTRUDED KERB ONLY AT VEHICLE CROSSING



TYPE 8 BASALT OR PRE-CAST KERB EDGING (75x150mm)

NOTES :

1. Jointing:
Precast kerb neatly jointed with 10mm min. cement mortar. Extruded kerbs cracking control joints formed or saw cut to a minimum depth of 30mm at max. 3.00m. intervals to coincide with concrete footpath joints (where the kerb is adjacent to the footpath). Crack control joints between bluestone kerb blocks shall be approximately 20mm wide (measured at the top and front faces) with neat square jointing 2 to 4 mm proud. Joints must located either side of vehicle crossings.
2. Bedding:
Kerbing must be laid on 300mm. min. GAP65 subbase in roads and 100mm GAP40 in footpaths (where subgrade CBR>5). If the subgrade CBR<5 then roads and footpaths must be undercut and backfilled with appropriate backfill material.
3. Concrete Grades:
Precast kerb blocks 20 MPa. In-Situ channel and haunching 20 MPa. Extruded concrete 25 MPa fibre reinforced.
4. All chamfers 20mm
5. Selection and use of kerb and channel types must comply with standards in the Transport Design Manual or Auckland Code of Practice for Land Development and Subdivision – Chapter 3: Transport

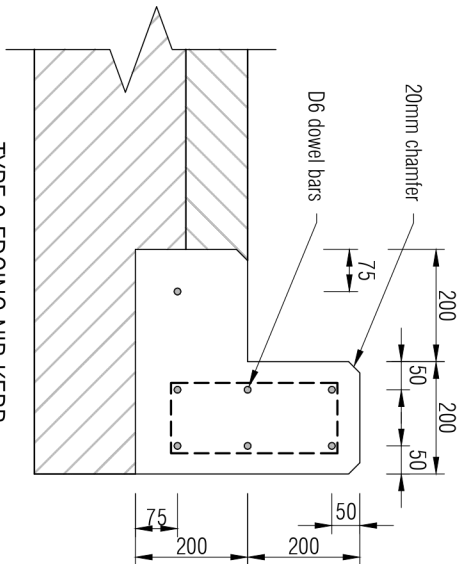
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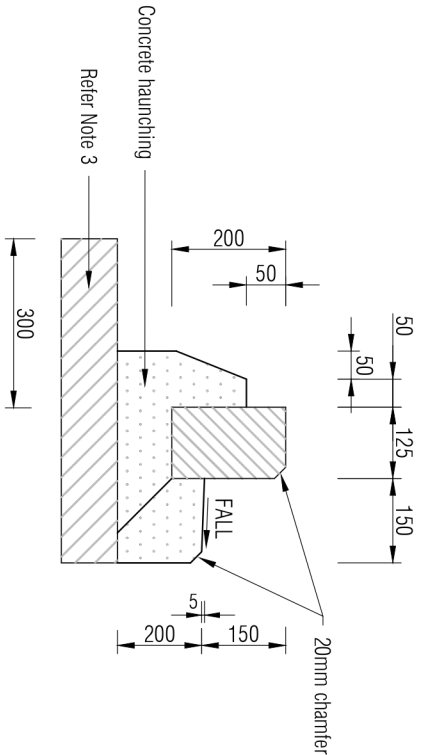
TDM TECHNICAL STANDARDS
Kerb and channel - Type 3 - 8

Date:	29/07/2022
SED No.	KC0002
Version	B

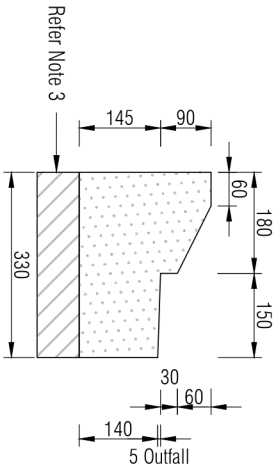
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2 FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED	JK						SCALE	N.T.S	
3 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	NS						COUNCIL	AUCKLAND COUNCIL	
4 ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED	GW						DWG NO	P24-447-01-2854-RD	
9 ISSUED FOR S67 RESPONSE	EW	23/07/2025	APPROVED	CD								



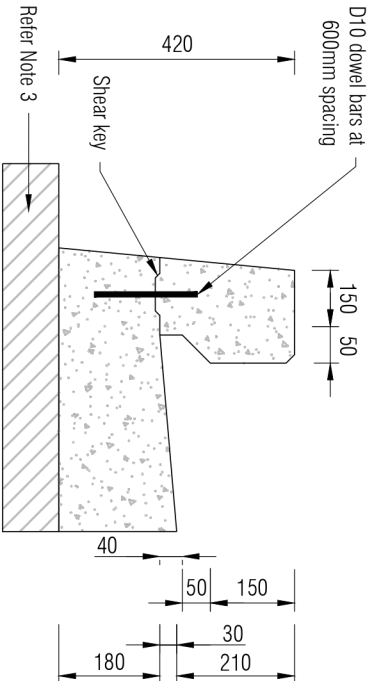
TYPE 9 EDGING NIB KERB



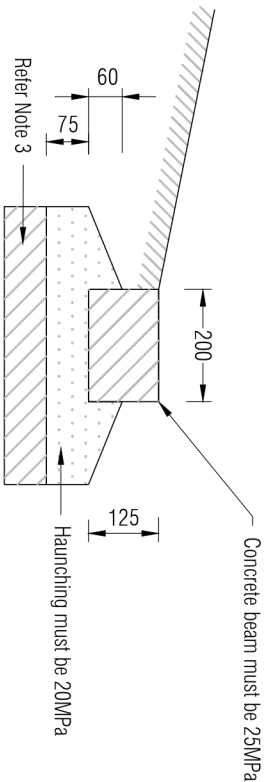
TYPE 10 KERB AND STUB



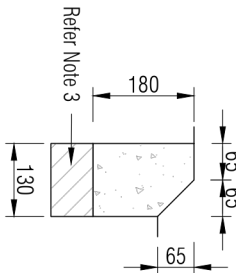
TYPE 11 MOUNTABLE NIB KERB



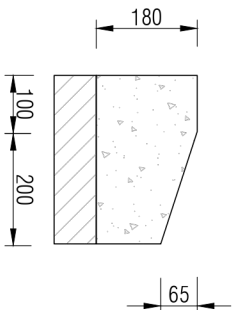
TYPE 12 RAISED NON-MOUNTABLE SAFETY
KERB AND CHANNEL NIB



TYPE 13 FLAT EDGE BEAMS



TYPE 14 EXTRUDED CYCLE PATH BEVEL KERB



TYPE 15 EXTRUDED CYCLE MOUNTABLE KERB

NOTES:

- Concrete grades:
- Precast kerb blocks 20MPa. In-Situ channel and haunching 20MPa. 25 MPa fibre reinforced concrete for slip-form.
- Bedding:
Kerbing must be laid on 300mm. min. GAPe5 subbase in roads and 100mm GAP40 in footpaths (where subgrade CBR > 5).
If the subgrade CBR < 5 then roads and footpaths must be undercut and backfilled with an approved filling material
- Joining:
Precast and blue stone kerb to be neatly pointed with 10mm (min) cement mortar. No prestaped mortar products shall be used.
Extruded kerbs cracking control joints formed or saw cut to minimum depth of 30mm at max. 3.00m intervals. If footpath is adjacent to kerb the saw cuts must coincide with the concrete footpath joints. Joints between bluestone kerb blocks must be approximately 20mm wide (measured at the top and front faces) with neat square jointing 2 to 4 mm proud. Crack control joints must located either side of vehicle crossings.
- Basalt kerb blocks must not extend across vehicle or pram crossings.
- Selection and use of kerb and channel types must comply with standards in the Transport Design Manual or Auckland Code of Practice for Land Development and Subdivision – Chapter 3: Transport

KC0003



TDM TECHNICAL STANDARDS
Kerb and channel – Type 9 – 15

Date:	29/07/2022
SED No:	KC00003
Version	B

REVISION DETAILS						INT	DATE	SURVEYED		BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2				STATUS		FOR S67 RESPONSE	REV
2	FOR THE 99% SUBMISSION					EW	10/02/2025	DESIGNED				JK	AT TDM - KERB AND CHANNEL TYPE 9-15				SCALE	N.T.S	9
3	FOR FAST TRACK CONSENT					EW	21/02/2025	DRAWN				NS					COUNCIL	AUCKLAND COUNCIL	
4	ISSUED FOR S67 RESPONSE					SM	17/07/2025	CHECKED				GW							DWG NO
9	ISSUED FOR S67 RESPONSE					EW	23/07/2025	APPROVED				CD							

N.T.S



N.T.S



N.T.S

8. Rear Width as permitted under Auckland Unitary Plan
COMMERCIAL USE:
 - 3700-4000 - Single vehicle crossing
 - 6000-7000 - Double vehicle crossingRESIDENTIAL USE:
 - 2750-3000 - Single vehicle crossing
 - 5500-6000 - Two-Way Shared Access
 - 3000-3500 - One-Way Shared Access
9. Formwork shall be full depth of concrete and straight.

Transport Design Manual



TDM TECHNICAL STANDARDS

Commercial Vehicle Crossing (Sheet 2 of 4)

11/04/2022

SED No.

VX0202



STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2856-RD	

DRURY CENTRE-STAGE 2

AT TDM - COMMERCIAL VEHICLE CROSSING

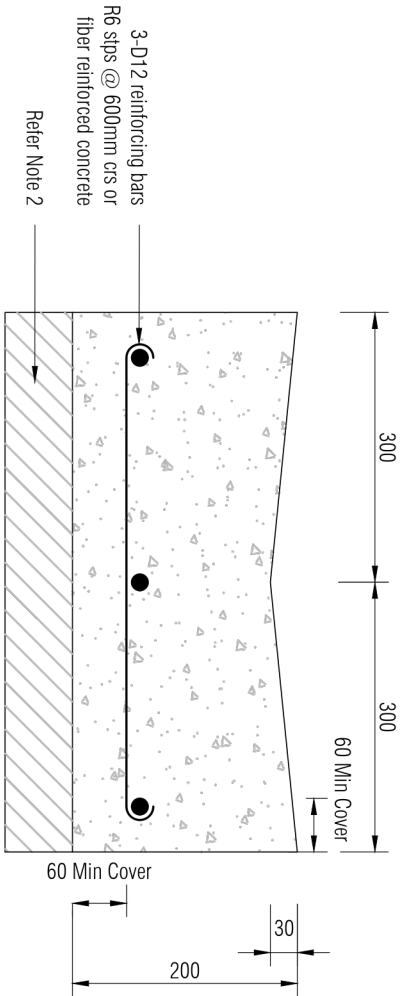


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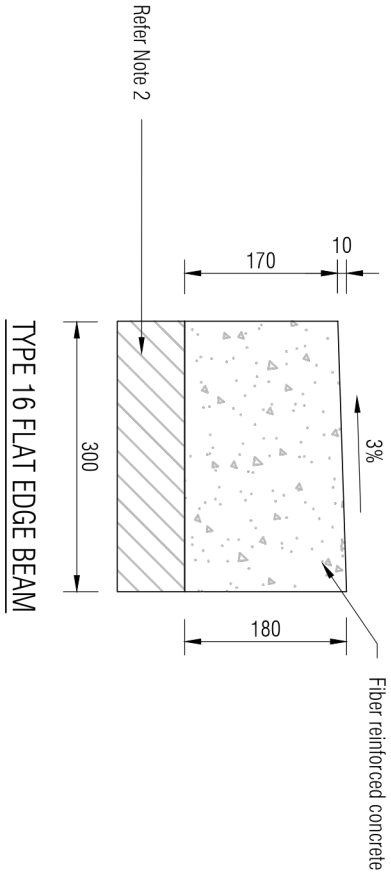
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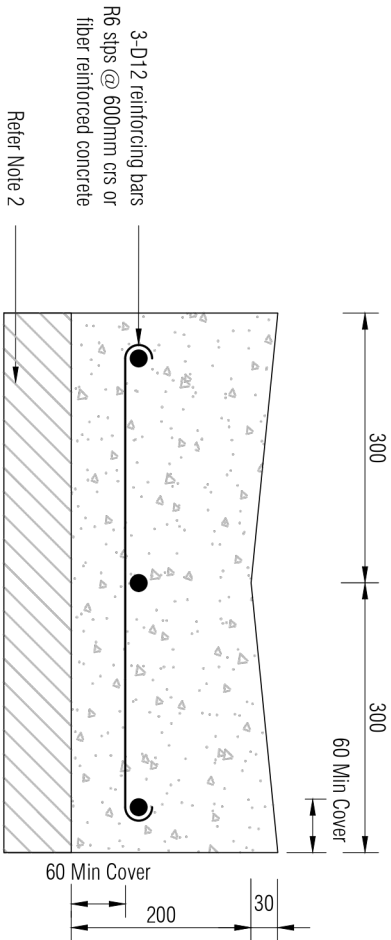
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2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN
4	ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED
9	ISSUED FOR S67 RESPONSE	EW	23/07/2025	APPROVED



TYPE 17 V-DISH CHANNEL INSITU NOT UNDER TRAFFIC



TYPE 16 FLAT EDGE BEAM



TYPE 18 V-DISH CHANNEL UNDER TRAFFIC

NOTES

- Concrete Grades:
 - Insitu concrete 20MPa
 - Extruded concrete 20MPa, fiber reinforced
 - 25 MPa fibre reinforced concrete for slip-form.
- Bedding:
 - To consist of 300mm (min) GAp65 subbase in roads (where CBR>5).
- Joining:
 - Extruded channels cracking control joints formed or saw cut to a minimum depth of 30mm at max 3.00m intervals for unreinforced channels and 3.00m (max) for reinforced channels/nib. If there is a footpath adjacent to the channel/nib the sawcut must coincide with the concrete footpath joint.
- Selection and use of kerb and channel types must comply with standards in the Transport Design Manual or Auckland Code of Practice for Land Development and Subdivision – Chapter 3: Transport

KC0004



TDM TECHNICAL STANDARDS

V-Dish Channel - Type 16 to 18

Date: 29/07/2022

SED No.

KC0004

Version

C

Transport Design Manual | Standard Engineering Details

REVISION DETAILS				
2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED JK
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN NS
4	ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED GW
9	ISSUED FOR S67 RESPONSE	EW	23/07/2025	APPROVED CD



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DRURY CENTRE-STAGE 2
AT TDM - KERB AND CHANNEL TYPE 16-18

STATUS	FOR S67 RESPONSE		REV
	SCALE	N.T.S	
	COUNCIL	AUCKLAND COUNCIL	9
DWG NO	P24-447-01-2857-RD		

[illegible]

Technical drawing of a rectangular plate. The overall width is 165 mm and the overall height is 154 mm. The plate has a 3.0% taper. The top edge has a 5mm tolerance. The bottom edge has a 20mm tolerance. The right edge has a 0mm(FOS) tolerance. The left edge has a 18mm tolerance.

KASSEL KERB AND HALF CHANNEL

1. Selection and use of kerb and channel types must comply with standards in the Transport Design Manual or Auckland Code of Practice for Land Development and Subdivision – Chapter 3: Transport



TDM TECHNICAL STANDARDS

Kassel Kerb and Channel (Sheet 1 of 2)

Date: 00/00/00

SED No

KG0030

Version



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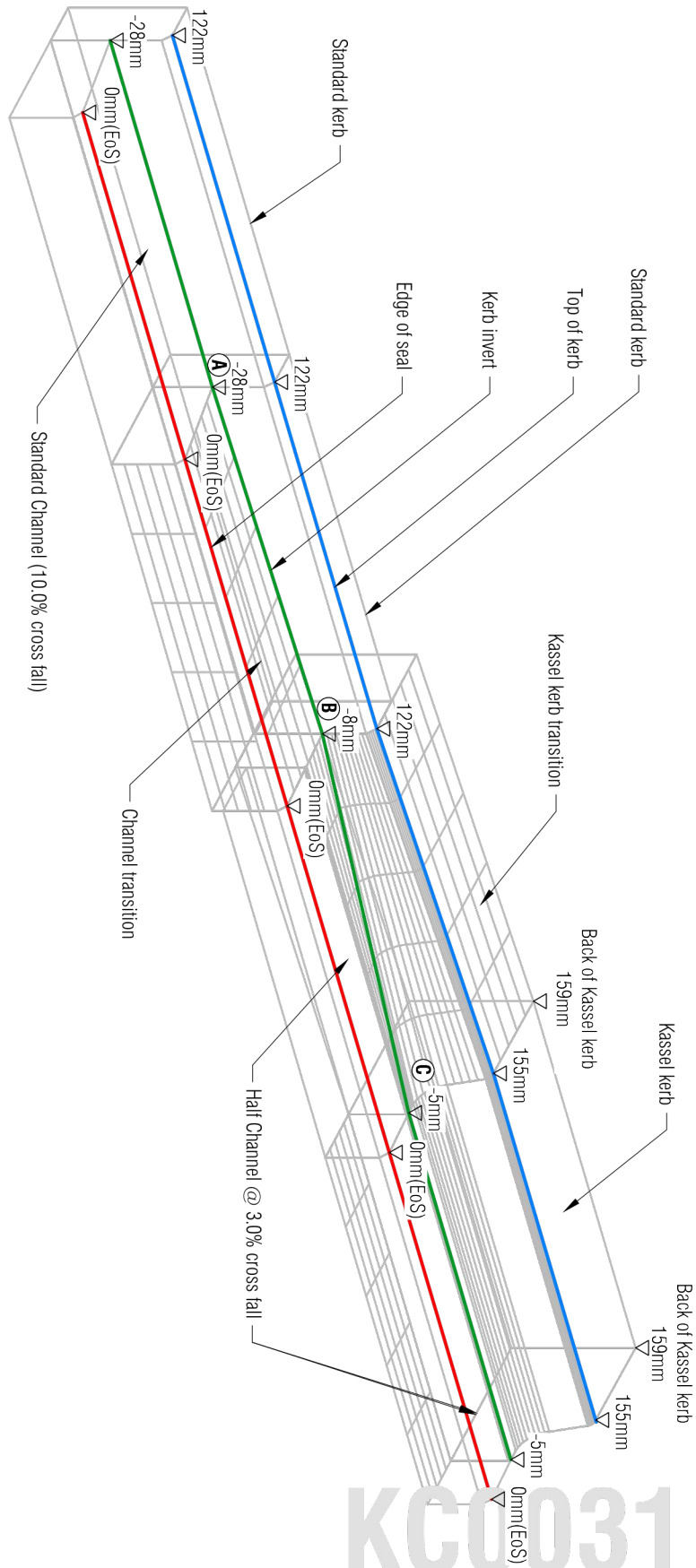
WOODS.CO.NZ



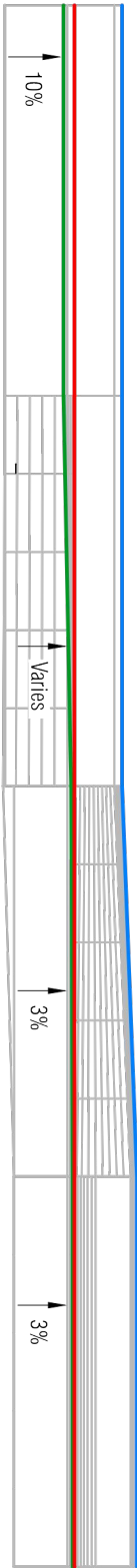
DRURY CENTRE-STAGE 2

AT TDM - KASSEL KERB AND CHANNEL TRANSITION (SHEET 1 OF 2)

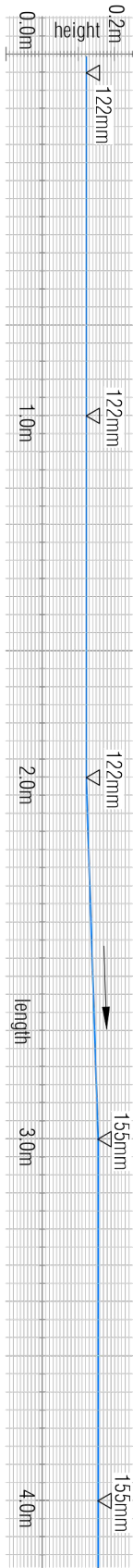
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SCALE	N.T.S	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P23-315-01-2858-RD	



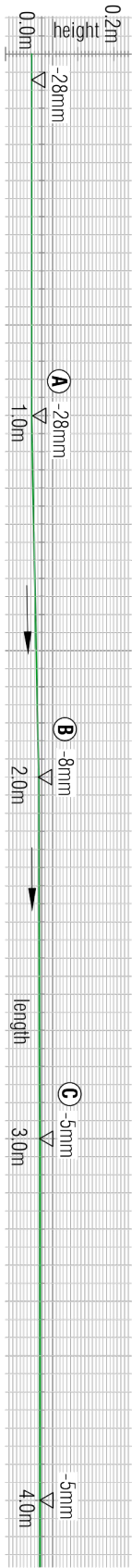
3D VIEW



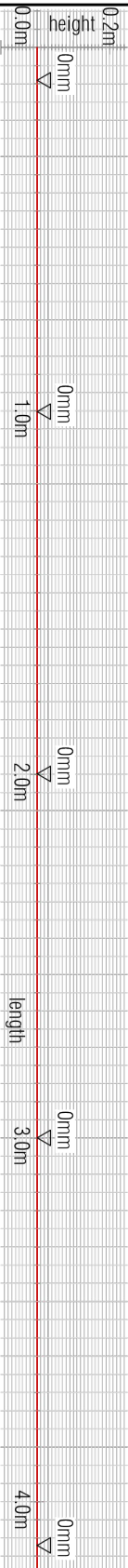
FRONT VIEW



PROFILE TOP OF KERB



PROFILE KERB INVERT



PROFILE EDGE OF SEAL

NOTES

1. A catchpit at upstream is desirable to avoid large volumes of water flow across 3% half channel which can result in water spreading on carriageway and causing splashing.
2. Uphill Kassel kerb and channel transition may need to be increased where ponding may occur on site due to near flat grades
3. Channel profile transition:
 - Flow from Kassel to standard kerb & channel will not pond.
 - Flow from standard kerb & channel to Kassel:
 - * For road gradient < 2.5%, increase channel transition to 2.0 m or install catchpit upstream of Kassel kerbs.
 - * For Road gradient < 1.5%, install catchpit upstream of Kassel kerbs or provide specific design of transition to avoid ponding. Specific design could include changing edge of seal level over the length of the transition, but this must not be abrupt for approaching bus
4. Selection and use of kerb and channel types must comply with standards in the Transport Design Manual or Auckland Code of Practice for Land Development and Subdivision – Chapter 3: Transport



TDM TECHNICAL STANDARDS
Kassel Kerb and Channel (Sheet 2 of 2)

Date: 29/07/2022
SED No. KC0031
Version B

REVISION DETAILS				
2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED NS
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN NS
4	ISSUED FOR S67 RESPONSE	SM	17/07/2025	CHECKED GW
9	ISSUED FOR S67 RESPONSE	EW	23/07/2025	APPROVED GW

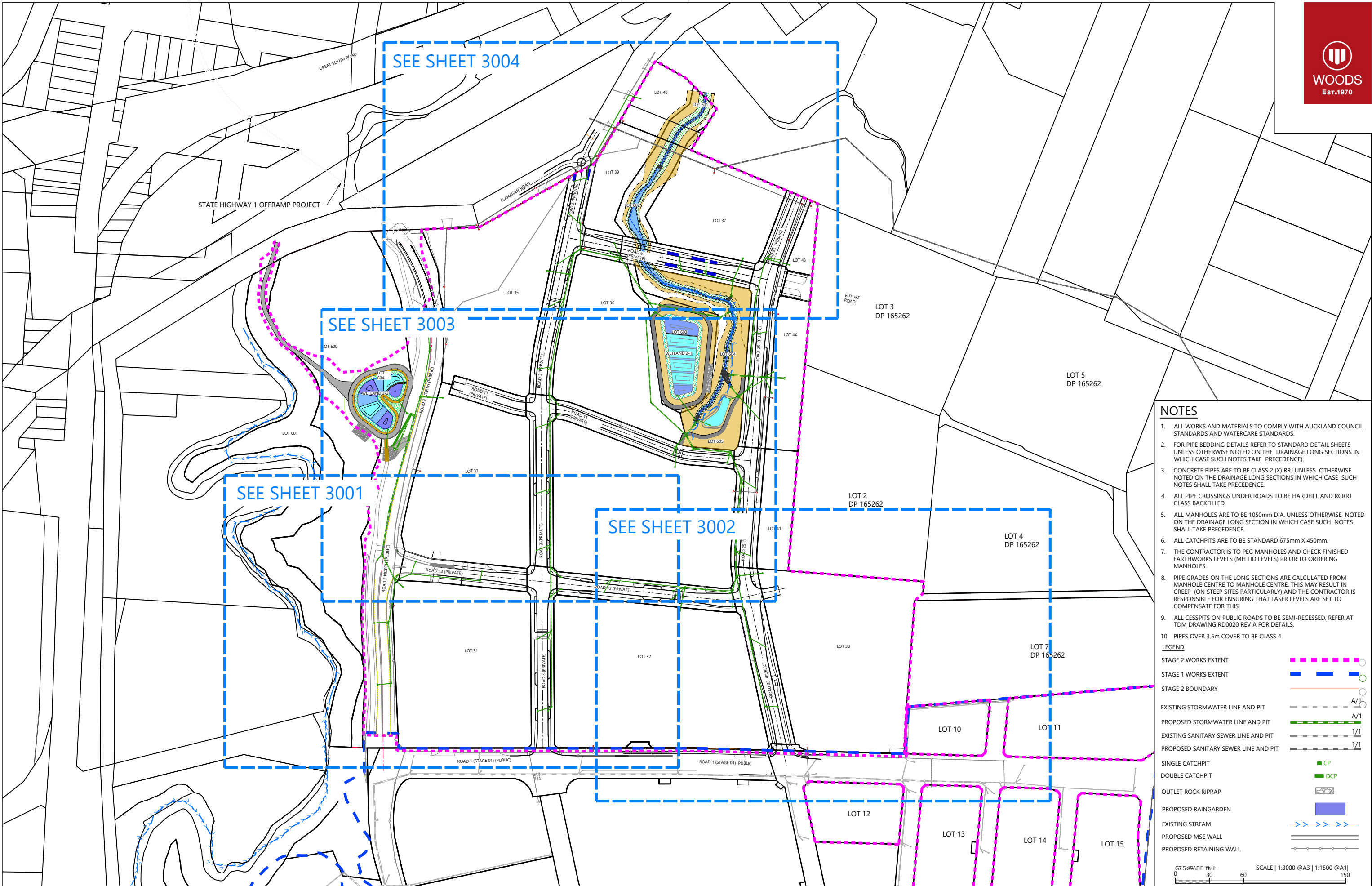


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DRURY CENTRE-STAGE 2
AT TDM - KASSEL KERB AND CHANNEL TRANSITION (SHEET 2 OF 2)

STATUS	FOR S67 RESPONSE	REV
	N.T.S	
	AUCKLAND COUNCIL	9
DWG NO		P23-315-01-2859-RD



- NOTES**
- ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STANDARDS AND WATERCARE STANDARDS.
 - FOR PIPE BEDDING DETAILS REFER TO STANDARD DETAIL SHEETS UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTIONS IN WHICH CASE SUCH NOTES TAKE PRECEDENCE.
 - CONCRETE PIPES ARE TO BE CLASS 2 (X) RRI UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTIONS IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
 - ALL PIPE CROSSINGS UNDER ROADS TO BE HARDFILL AND RCRRJ CLASS BACKFILLED.
 - ALL MANHOLES ARE TO BE 1050mm DIA. UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTION IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
 - ALL CATCHPITS ARE TO BE STANDARD 675mm X 450mm.
 - THE CONTRACTOR IS TO PEG MANHOLES AND CHECK FINISHED EARTHWORKS LEVELS (MH LID LEVELS) PRIOR TO ORDERING MANHOLES.
 - PIPE GRADES ON THE LONG SECTIONS ARE CALCULATED FROM MANHOLE CENTRE TO MANHOLE CENTRE. THIS MAY RESULT IN CREEP (ON STEEP SITES PARTICULARLY) AND THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT LASER LEVELS ARE SET TO COMPENSATE FOR THIS.
 - ALL CESSPITS ON PUBLIC ROADS TO BE SEMI-RECESSED. REFER AT TDM DRAWING RD0020 REV A FOR DETAILS.
 - PIPES OVER 3.5m COVER TO BE CLASS 4.

- LEGEND**
- STAGE 2 WORKS EXTENT
 - STAGE 1 WORKS EXTENT
 - STAGE 2 BOUNDARY
 - EXISTING STORMWATER LINE AND PIT
 - PROPOSED STORMWATER LINE AND PIT
 - EXISTING SANITARY SEWER LINE AND PIT
 - PROPOSED SANITARY SEWER LINE AND PIT
 - SINGLE CATCHPIT
 - DOUBLE CATCHPIT
 - OUTLET ROCK RIPRAP
 - PROPOSED RAINGARDEN
 - EXISTING STREAM
 - PROPOSED MSE WALL
 - PROPOSED RETAINING WALL



REVISION DETAILS	INT	DATE	SURVEYED	
5 ISSUED FOR FAST TRACK CONSENT	MK	21/02/2025	DESIGNED	MK
6 ISSUED FOR FAST TRACK CONSENT	GW	21/03/2025	DRAWN	MK
7 FOR S67 RESPONSE	RO	17/07/2025	CHECKED	GW
9 FOR S67 RESPONSE	SM	23/07/2025	APPROVED	CD

QR CODE

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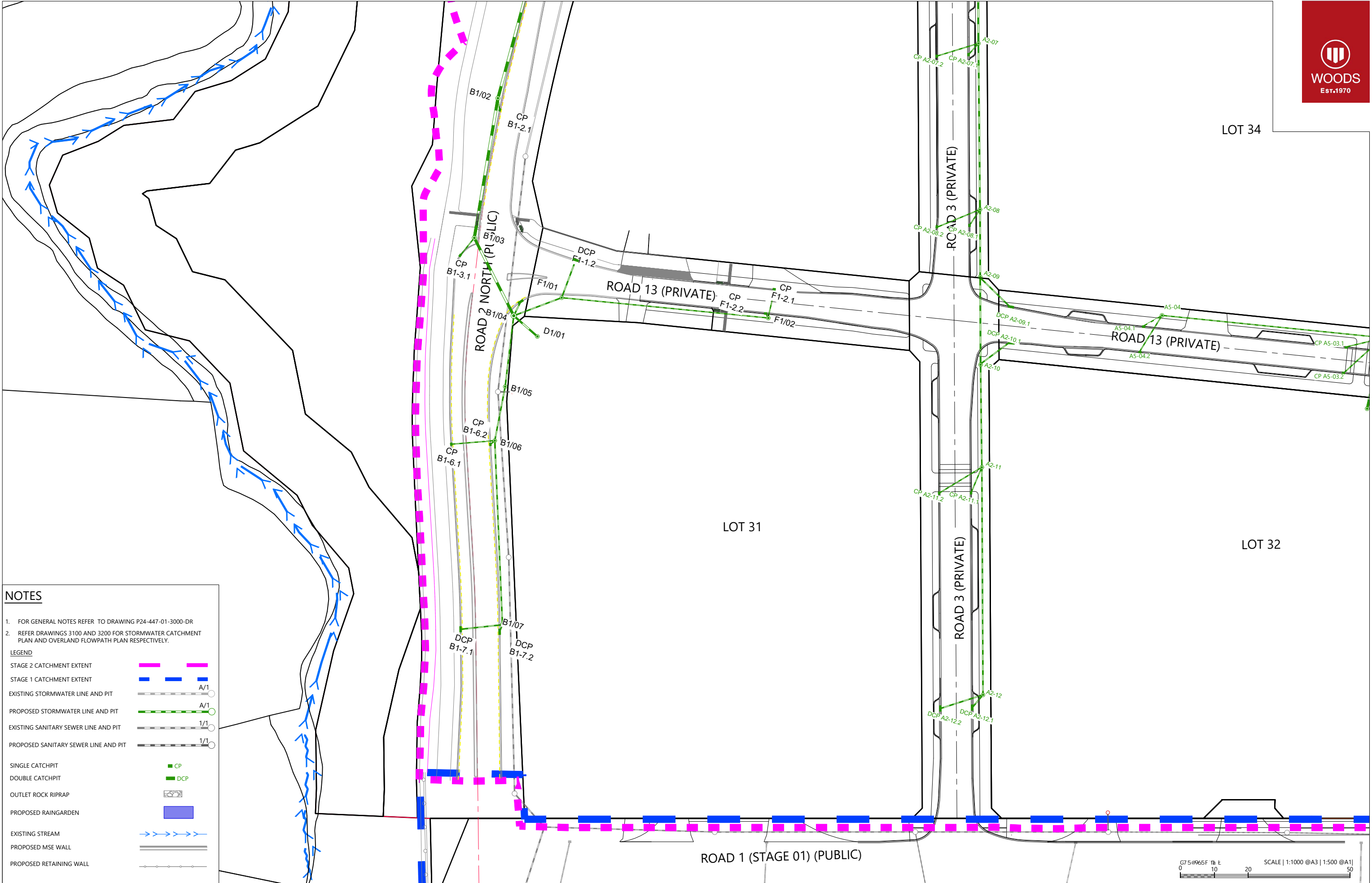
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Kiwi Property

DRURY CENTRE-STAGE 2
OVERALL STORMWATER LAYOUT PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3000-DR	



NOTES

- FOR GENERAL NOTES REFER TO DRAWING P24-447-01-3000-DR
- REFER DRAWINGS 3100 AND 3200 FOR STORMWATER CATCHMENT PLAN AND OVERLAND FLOWPATH PLAN RESPECTIVELY.

LEGEND

- STAGE 2 CATCHMENT EXTENT
- STAGE 1 CATCHMENT EXTENT
- EXISTING STORMWATER LINE AND PIT
- PROPOSED STORMWATER LINE AND PIT
- EXISTING SANITARY SEWER LINE AND PIT
- PROPOSED SANITARY SEWER LINE AND PIT
- SINGLE CATCHPIT
- DOUBLE CATCHPIT
- OUTLET ROCK RIPRAP
- PROPOSED RAINGARDEN
- EXISTING STREAM
- PROPOSED MSE WALL
- PROPOSED RETAINING WALL

REVISION DETAILS	INT	DATE	SURVEYED	
5 ISSUED FOR FAST TRACK CONSENT	MK	21/02/2025	DESIGNED	MK
6 ISSUED FOR FAST TRACK CONSENT	GW	21/03/2025	DRAWN	MK
7 FOR S67 RESPONSE	RO	17/07/2025	CHECKED	GW
9 FOR S67 RESPONSE	SM	23/07/2025	APPROVED	CD



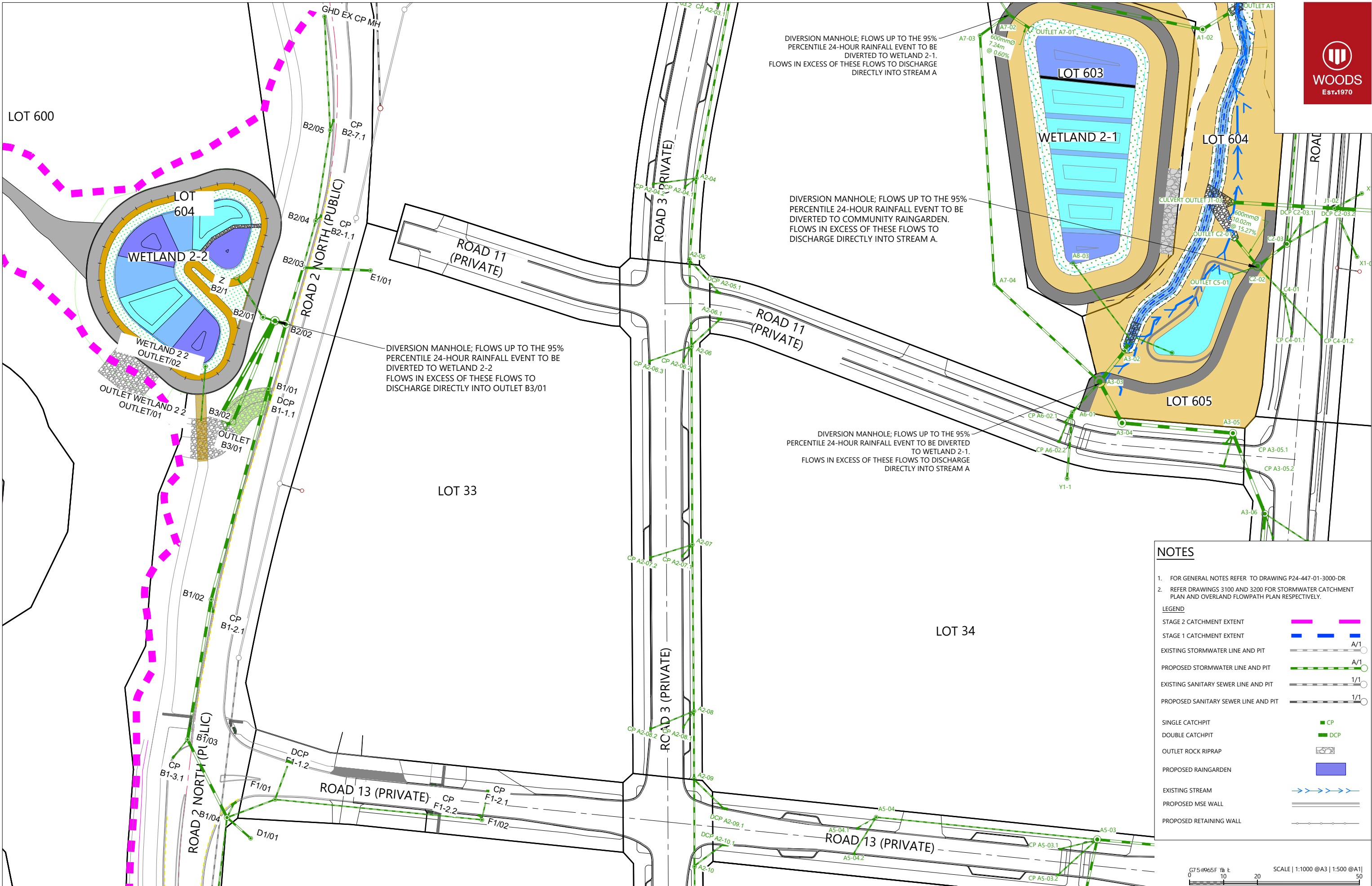
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DRURY CENTRE-STAGE 2
STORMWATER LAYOUT PLAN (SHEET 1 OF 4)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3001-DR	



NOTES

1. FOR GENERAL NOTES REFER TO DRAWING P24-447-01-3000-DR

2. REFER DRAWINGS 3100 AND 3200 FOR STORMWATER CATCHMENT PLAN AND OVERLAND FLOWPATH PLAN RESPECTIVELY.

LEGEND

STAGE 2 CATCHMENT EXTENT

STAGE 1 CATCHMENT EXTENT

EXISTING STORMWATER LINE AND PIT

PROPOSED STORMWATER LINE AND PIT

EXISTING SANITARY SEWER LINE AND PIT

PROPOSED SANITARY SEWER LINE AND PIT

SINGLE CATCHPIT

DOUBLE CATCHPIT

OUTLET ROCK RIPRAP

PROPOSED RAINGARDEN

EXISTING STREAM

PROPOSED MSE WALL

PROPOSED RETAINING WALL

A/1

A/1

1/1

1/1

CP

DCP

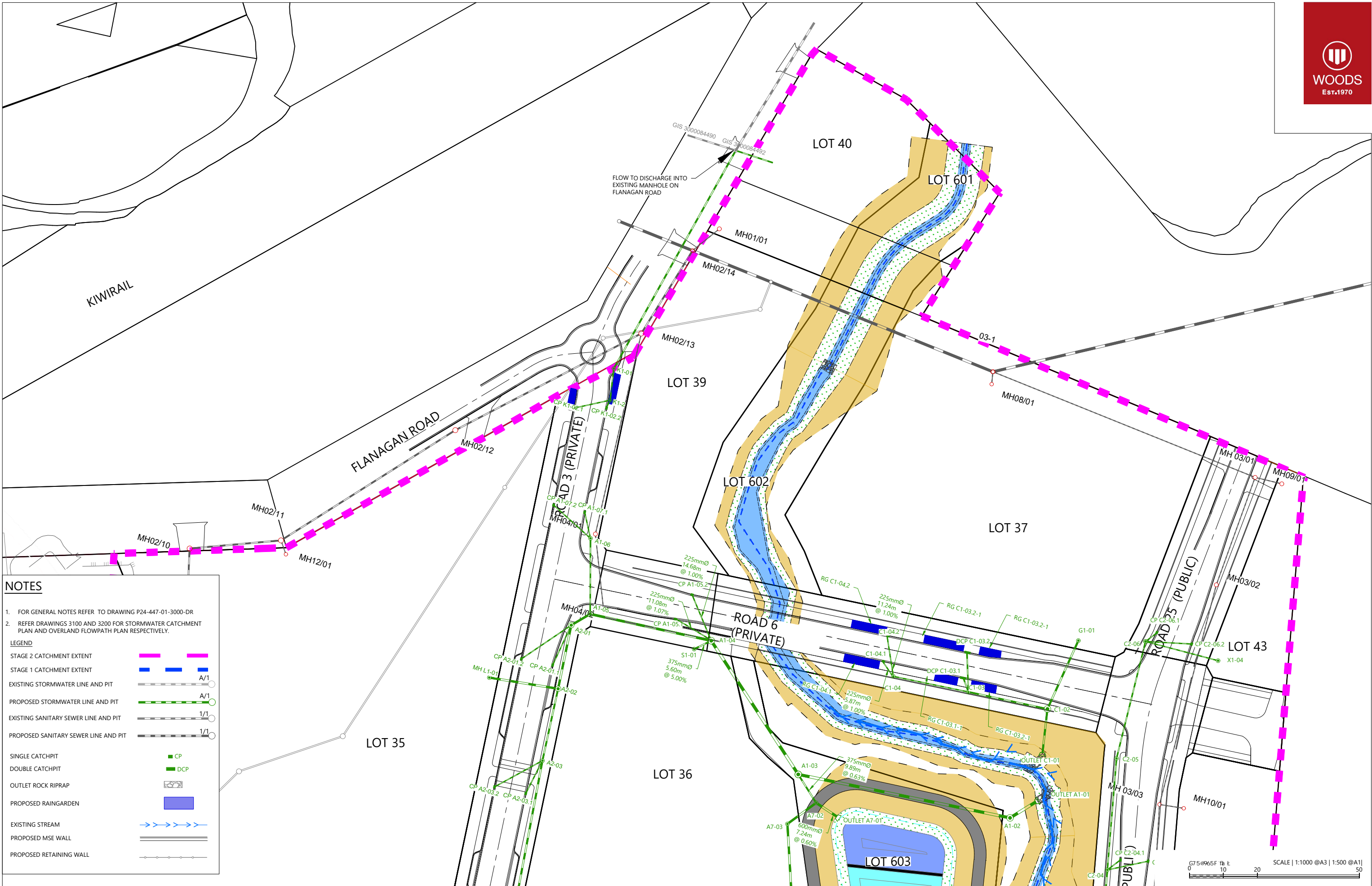
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7	FOR S67 RESPONSE	RO	17/07/2025	CHECKED	GW			
9	FOR S67 RESPONSE	SM	23/07/2025	APPROVED	CD			

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DRURY CENTRE-STAGE 2
STORMWATER LAYOUT PLAN (SHEET 3 OF 4)

STATUS	FOR S67 RESPONSE	REV	
SCALE	1:1000 @ A3		9
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-3003-DR		

Plot Date: 1:51:49 pm 23 July 2025, ELAWA
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NOTES

1. FOR GENERAL NOTES REFER TO DRAWING P24-447-01-3000-DR

2. REFER DRAWINGS 3100 AND 3200 FOR STORMWATER CATCHMENT PLAN AND OVERLAND FLOWPATH PLAN RESPECTIVELY.

LEGEND

STAGE 2 CATCHMENT EXTENT

STAGE 1 CATCHMENT EXTENT

EXISTING STORMWATER LINE AND PIT

PROPOSED STORMWATER LINE AND PIT

EXISTING SANITARY SEWER LINE AND PIT

PROPOSED SANITARY SEWER LINE AND PIT

SINGLE CATCHPIT

DOUBLE CATCHPIT

OUTLET ROCK RIPRAP

PROPOSED RAINGARDEN

EXISTING STREAM

PROPOSED MSE WALL


PROPOSED RETAINING WALL

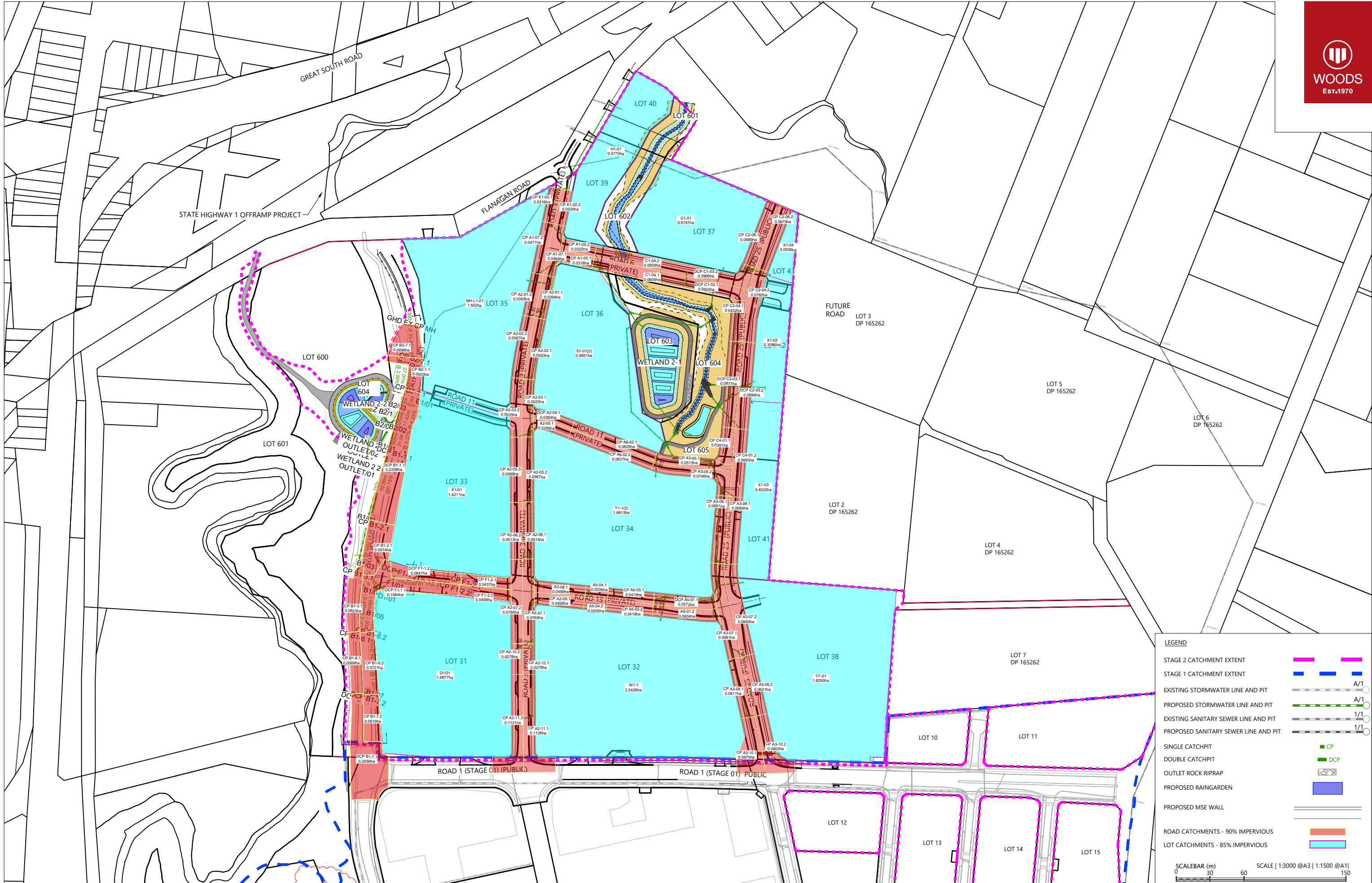
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6	ISSUED FOR FAST TRACK CONSENT	GW	21/03/2025	DRAWN	MK			
7	FOR S67 RESPONSE	RO	17/07/2025	CHECKED	GW			
9	FOR S67 RESPONSE	SM	23/07/2025	APPROVED	CD			

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DRURY CENTRE-STAGE 2
STORMWATER LAYOUT PLAN (SHEET 4 OF 4)

	STATUS	FOR S67 RESPONSE	REV
	SCALE	1:1000 @ A3	9
	COUNCIL	AUCKLAND COUNCIL	
	DWG NO	P24-447-01-3004-DR	



REVISION DETAILS					INT	DATE	SURVEYED	
2	ISSUED FOR FAST TRACK CONSENT				EW	21/02/2025	DESIGNED	MK
3	ISSUED FOR FAST TRACK CONSENT				GW	21/02/2025	DRAWN	MK
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9	FOR S67 RESPONSE				SM	23/07/25	APPROVED	CD

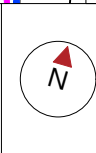


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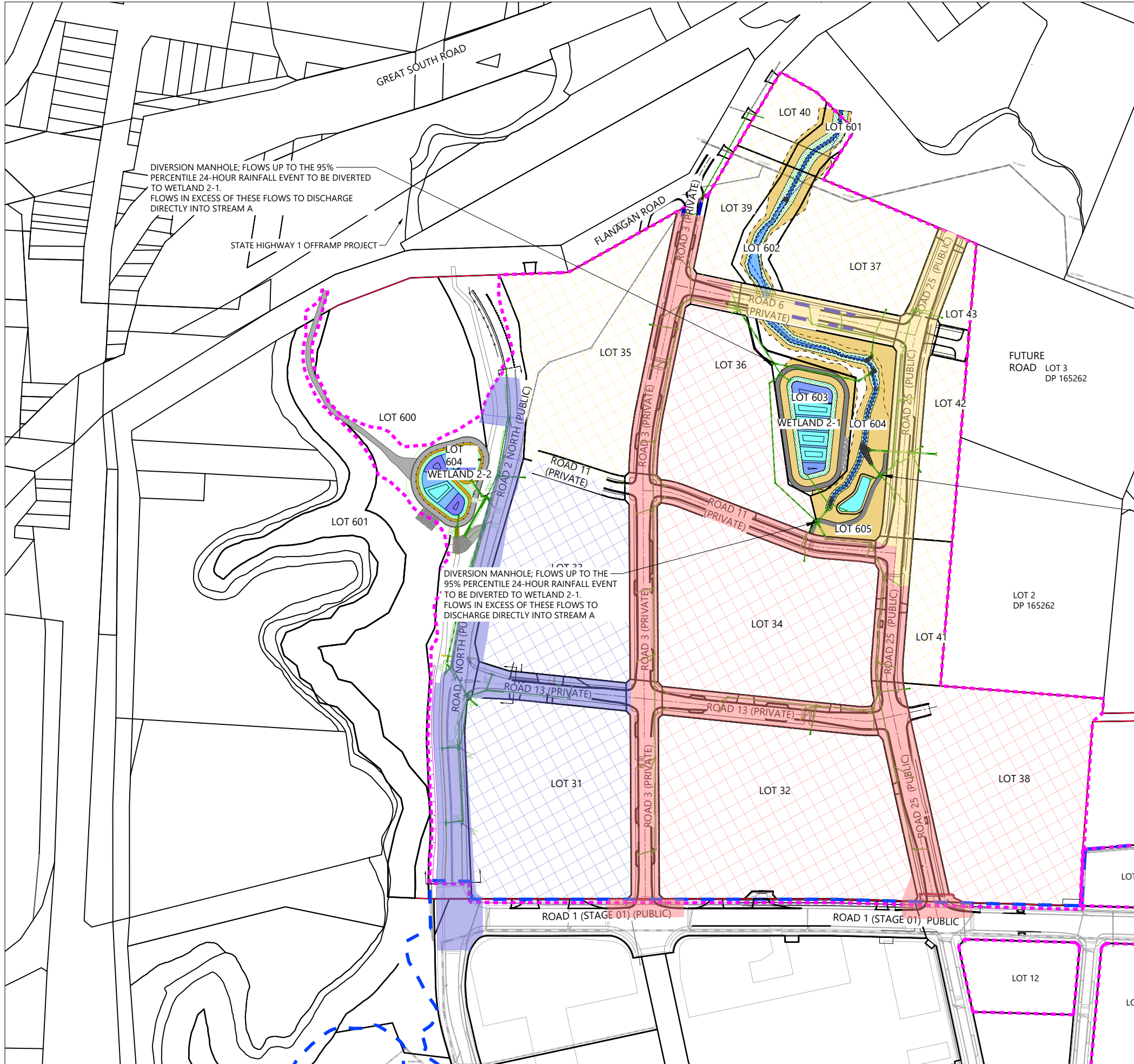


DRURY CENTRE-STAGE 2

STORMWATER TREATMENT CATCHMENT PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3102-DR	



RAINGARDEN CATCHMENT SUMMARY					
ROADSIDE RAINGARDENS					
RAINGARDEN	CATCHMENT IMPERV AREA %	TOTAL CONTRIBUTING CATCHMENT (m2)	CATCHMENT IMPERV AREA (m2)	PONDING FOOTPRINT (m2)	PONDING FOOTPRINT AS % OF IMPERVIOUS CATCHMENT
RG K1-02.1	90	316	284	14.5	5
RG K1-02.2	90	320	288	14.5	5
RG C1-03.1-1	90	412	371	18.5	5
RG C1-03.1-2	90	412	371	18.5	5
RG C1-03.2-1	90	612	550	28.5	5
RG C1-03.2-2	90	354	319	16.1	5
RG C1-04.1	90	605	545	28.2	5
RG C1-04.2	90	609	548	27.7	5
TOTAL		3640	3276	166.9	

LEGEND

STAGE 2 CATCHMENT EXTENT

STAGE 1 CATCHMENT EXTENT

EXISTING STORMWATER LINE AND PIT

PROPOSED STORMWATER LINE AND PIT

EXISTING SANITARY SEWER LINE AND PIT

PROPOSED SANITARY SEWER LINE AND PIT

SINGLE CATCHPIT

DOUBLE CATCHPIT

OUTLET ROCK RIPRAP

PROPOSED RAINGARDEN

PROPOSED MSE WALL

TREATMENT AND DETENTION BY WETLAND 2-2 - 1.2145 ha

ONSITE RETENTION REQUIRED - 3.1088 ha

TREATMENT AND DETENTION BY WETLAND 2-1 - 2.4407 ha

ONSITE RETENTION REQUIRED - 6.8943 ha

TREATMENT AND DETENTION BY RAINGARDENS - 0.8419 ha

ONSITE TREATMENT, DETENTION AND RETENTION REQUIRED - 3.7532 ha

SCALEBAR (m)

0 30 60 150

SCALE | 1:3000 @A3 | 1:1500 @A1 |

REVISION DETAILS	INT	DATE	SURVEYED	DESIGNED	DRAWN	CHECKED	APPROVED
2 ISSUED FOR FAST TRACK CONSENT	EW	21/02/2025	DESIGNED	MK			
3 ISSUED FOR FAST TRACK CONSENT	GW	21/03/2025	DRAWN	MK			
4 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW			
9 FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD			



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DRURY CENTRE-STAGE 2

STORMWATER TREATMENT CATCHMENT PLAN

STATUS

SCALE

COUNCIL

DWG NO

FOR S67 RESPONSE

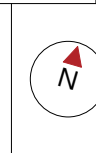
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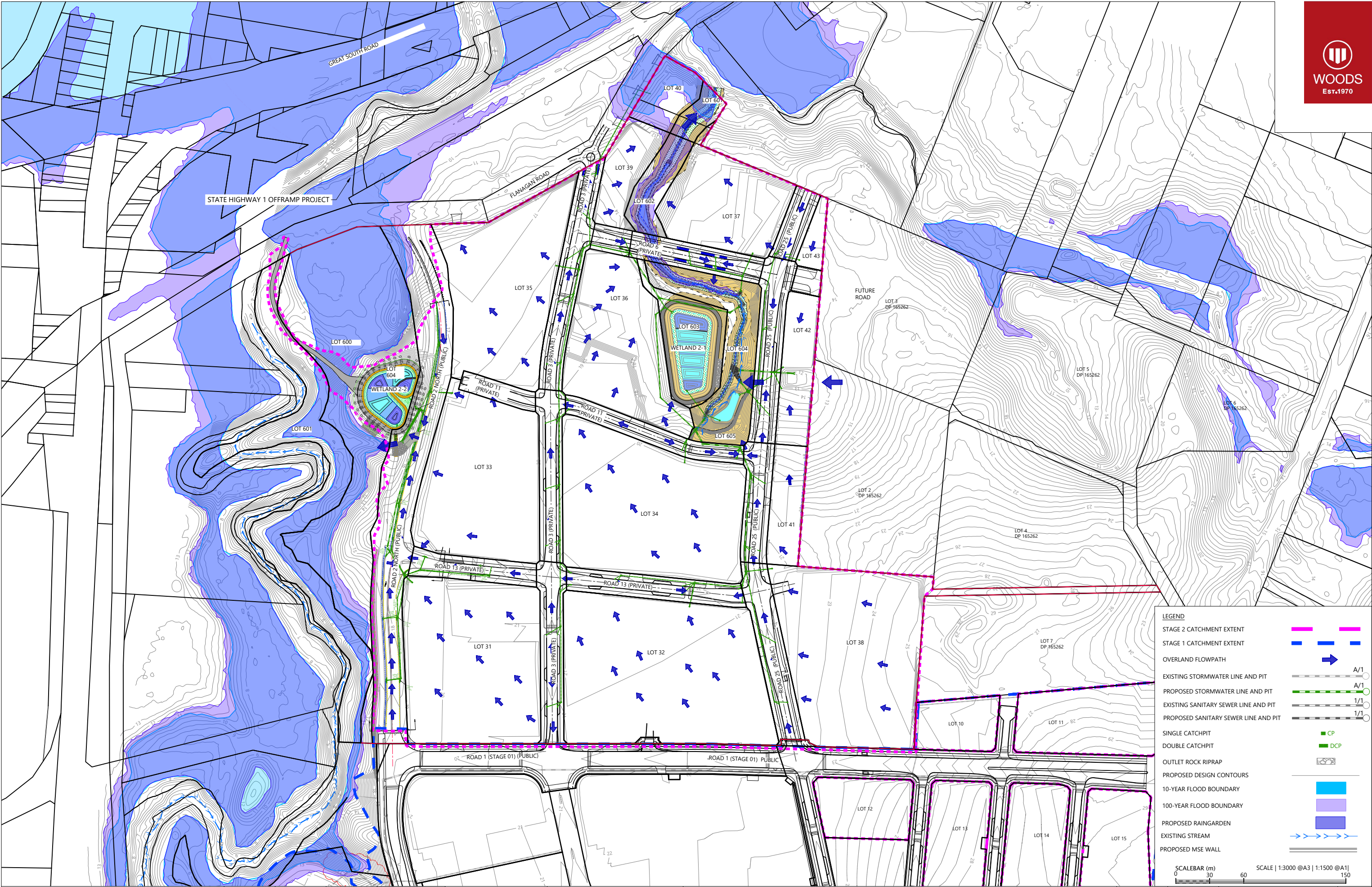
AUCKLAND COUNCIL

P24-447-01-3103-DR

REV

9





REVISION DETAILS					INT	DATE	SURVEYED	
4	ISSUED FOR FAST TRACK CONSENT	EW	21/02/2025	DESIGNED	MK			
5	ISSUED FOR FAST TRACK CONSENT	EW	21/03/2025	DRAWN	MK			
6	FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW			
7	FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD			

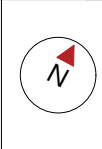


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DRURY CENTRE-STAGE 2

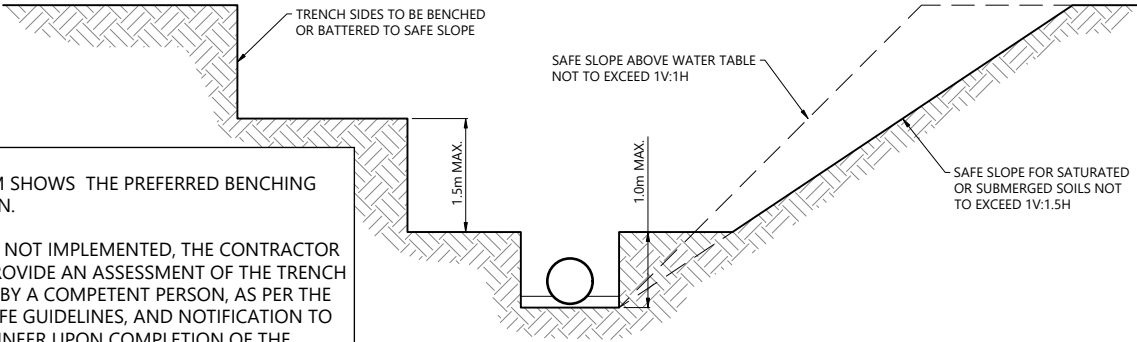
PROPOSED OVERLAND FLOWPATH PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3200-DR	

NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.



EXCAVATION FACES BENCHMARKED AND BATTERED TO A SAFE SLOPE

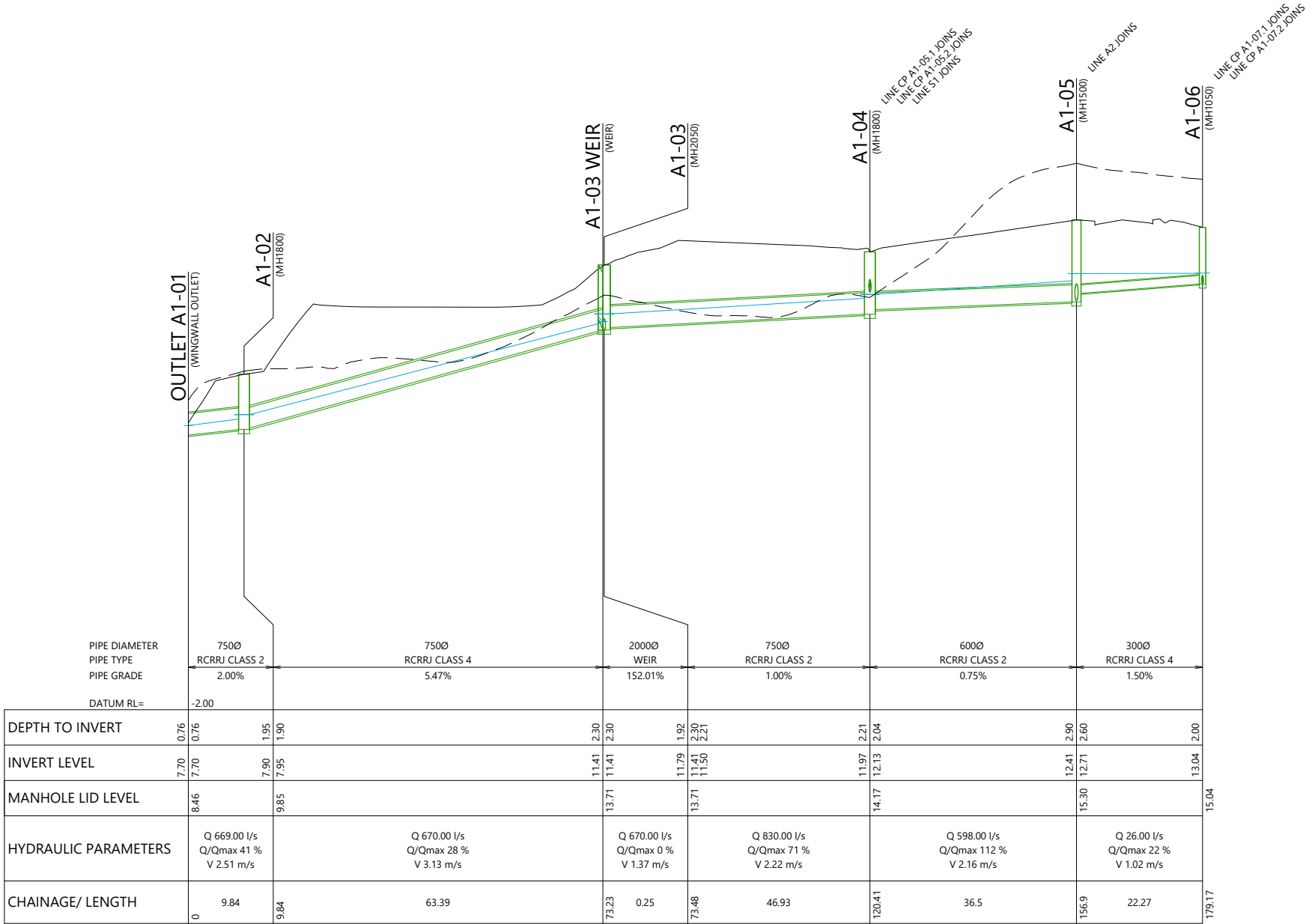
NOT TO SCALE

NOTES

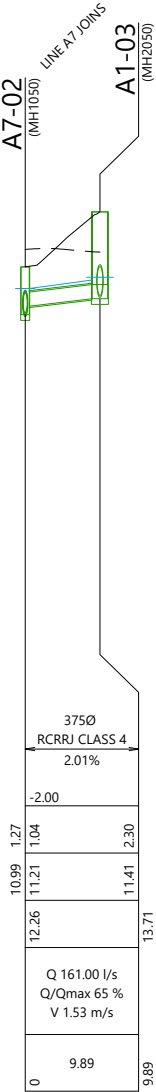
- PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
- VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
- VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
- IN ALL CASES, PIPES CLASHES SHOULD NOT CONCLUDE WITH STORMWATER RCRRJ PIPE SOCKET ENDS.
- ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

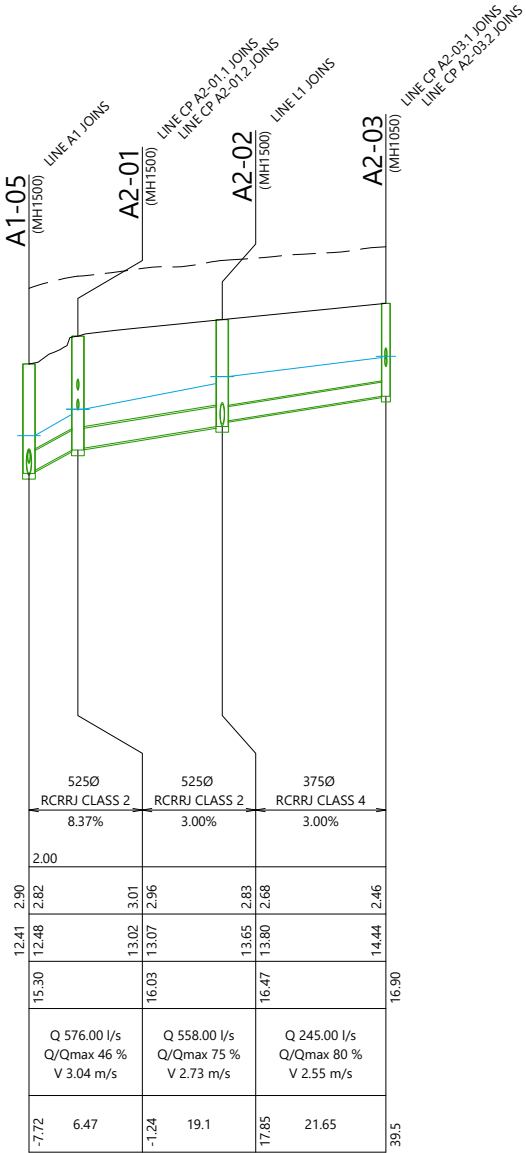
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



A1



A1-03 TO A7-02



A2

REVISION DETAILS					INT	DATE	SURVEYED		<div>DRURY CENTRE-STAGE 2</div> <div>STORMWATER LONGSECTION (SHEET 1 OF 19)</div>		STATUS	FOR S67 RESPONSE	REV
2	FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	MK						SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	MK						COUNCIL	AUCKLAND COUNCIL	
4	FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW						DWG NO	P24-447-01-3500-DR	
9	FOR S67 RESPONSE	RO	23/07/25	APPROVED	CD								

NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.





EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE

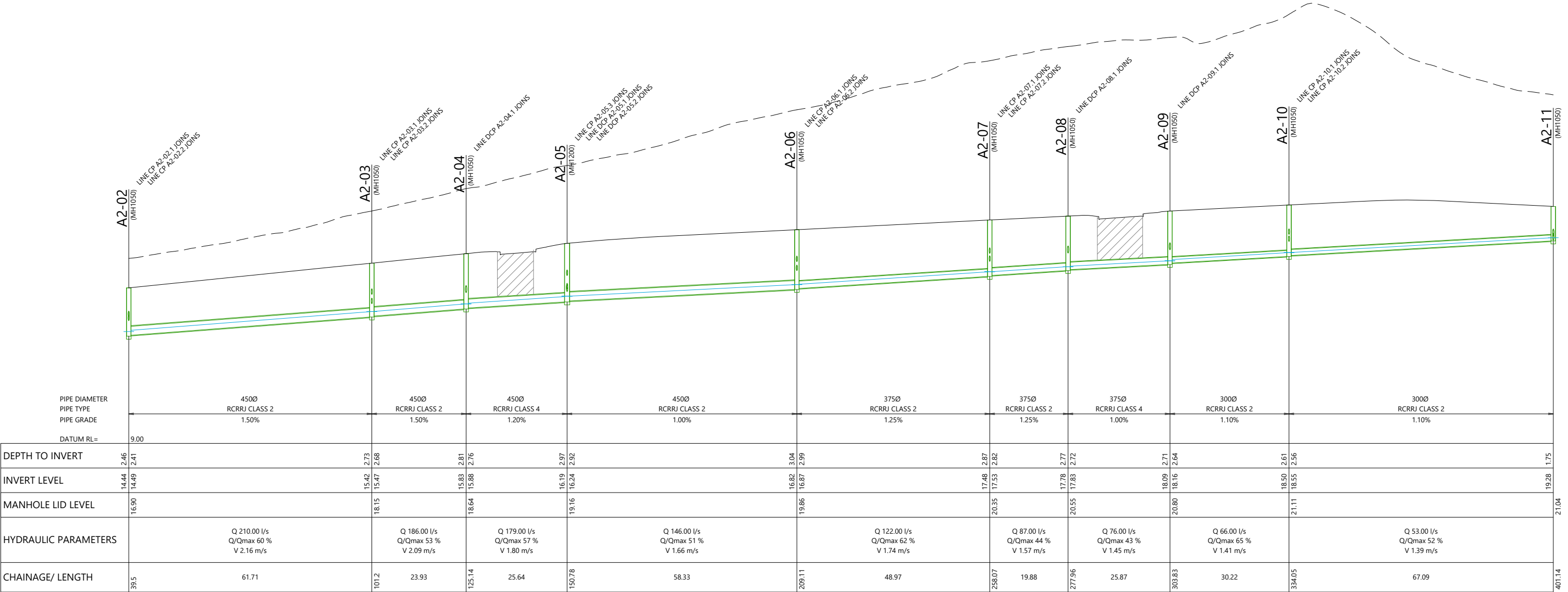
NOT TO SCALE

NOTES

1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
3. VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
4. IN ALL CASES, PIPES CLASHES SHOULD NOT CONCIIDE WITH STORMWATER RCRRJ PIPE SOCKET ENDS.
5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

-  PROPOSED HARDFILL BACKFILL
-  PROPOSED FINISHED SURFACE
-  DEPTH OF FLOW (HYDRAULIC GRADELINE)
-  EXISTING GROUND

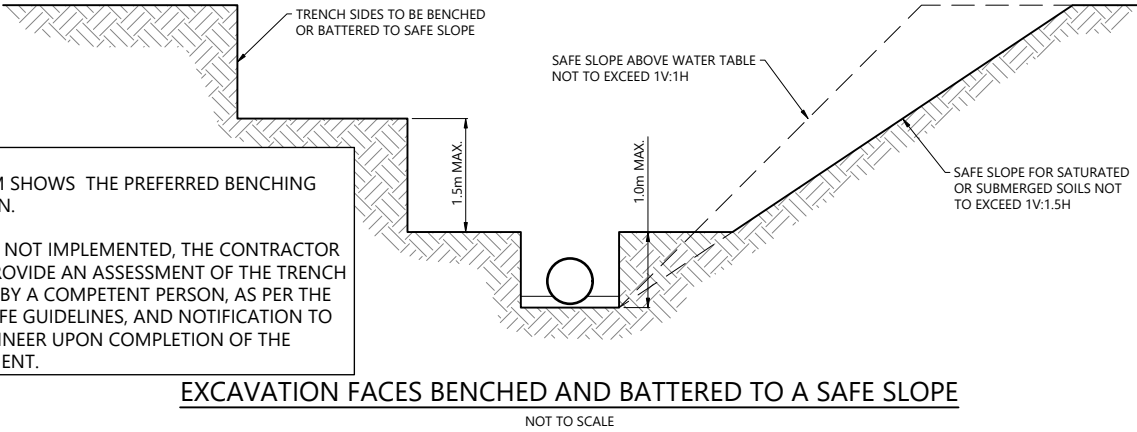


A2

REVISION DETAILS					INT	DATE	SURVEYED			BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2				STATUS	FOR S67 RESPONSE	REV
2	FOR THE 99% SUBMISSION				MK	10/02/2025	DESIGNED	MK				SCALE	H 1:1000 @ A3 V 1:200 @ A3			9		
3	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	MK				COUNCIL	AUCKLAND COUNCIL					
4	FOR S67 RESPONSE				RO	17/07/25	CHECKED	GW				DWG NO	P24-447-01-3501-DR					
9	FOR S67 RESPONSE				RO	23/07/25	APPROVED	CD				STORMWATER LONGSECTION (SHEET 2 OF 19)						

NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.

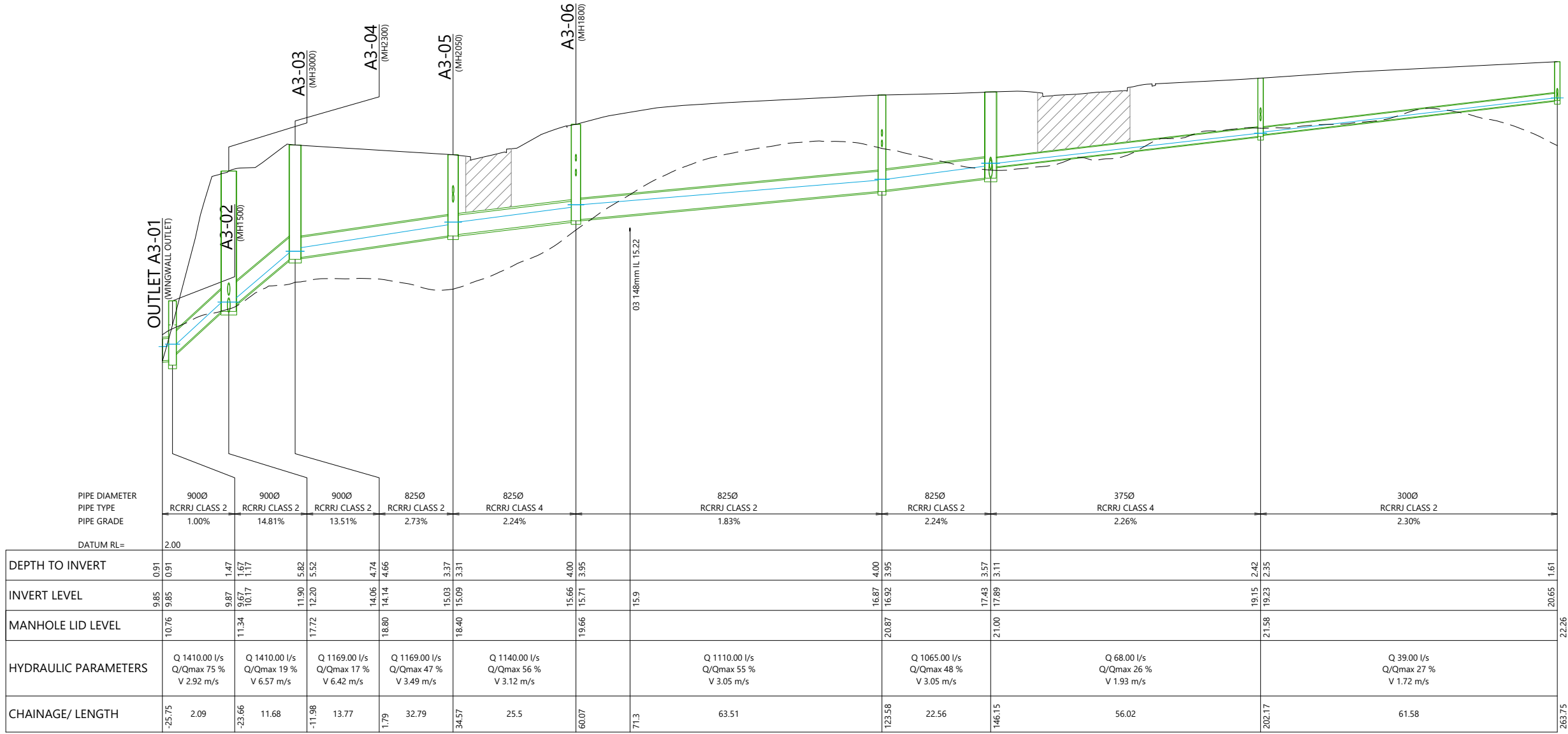


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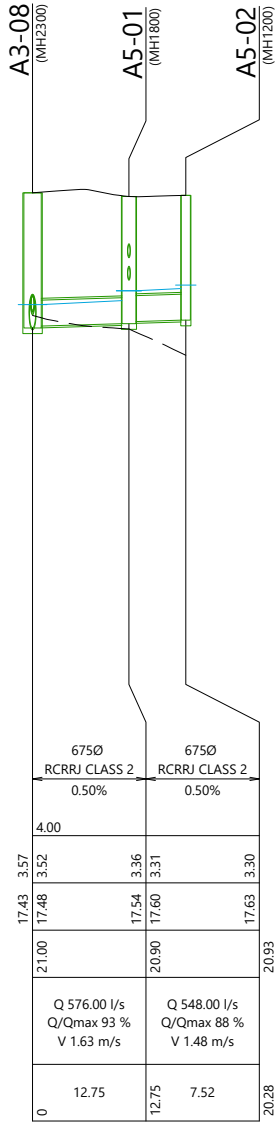
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
3. VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
4. IN ALL CASES, PIPES CLASHES SHOULD NOT CONCIIDE WITH STORMWATER RCRRJ PIPE SOCKET ENDS.
5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



A3



A5

REVISION DETAILS					INT	DATE	SURVEYED		DRURY CENTRE-STAGE 2				STATUS	FOR S67 RESPONSE	REV
2	FOR THE 99% SUBMISSION				MK	10/02/2025	DESIGNED	MK	STORMWATER LONGSECTION (SHEET 3 OF 19)				SCALE	H 1:1000 @ A3 V 1:200 @ A5	9
3	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	MK					COUNCIL	AUCKLAND COUNCIL	
4	FOR S67 RESPONSE				RO	17/07/25	CHECKED	GW					DWG NO	P24-447-01-3502-DR	
9	FOR S67 RESPONSE				RO	23/07/25	APPROVED	CD							



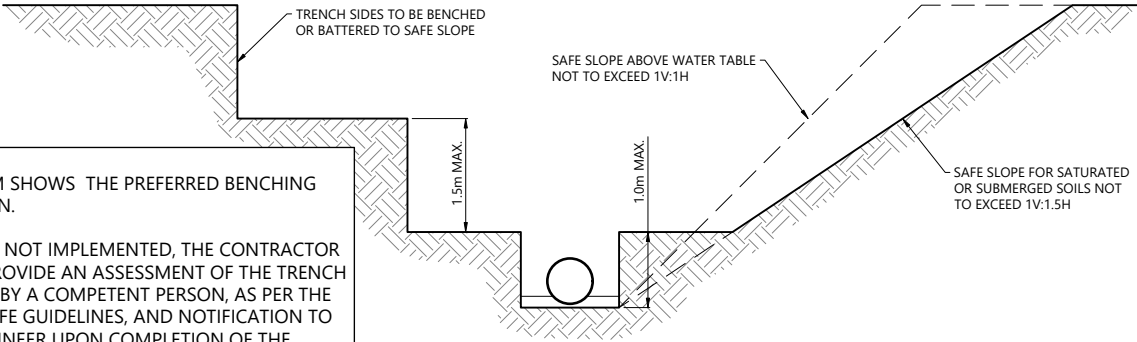
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229

WOODS.CO.NZ



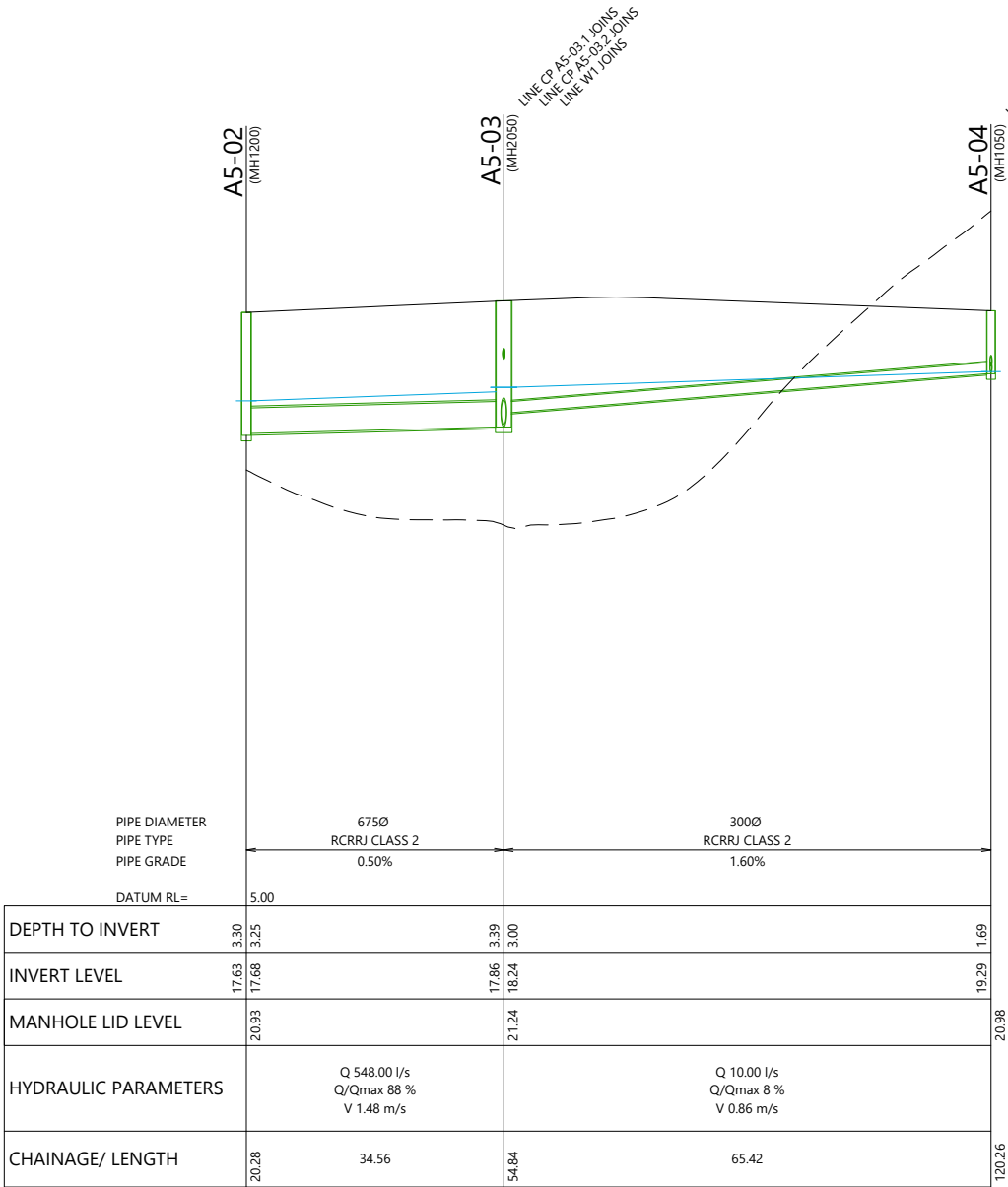
NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.

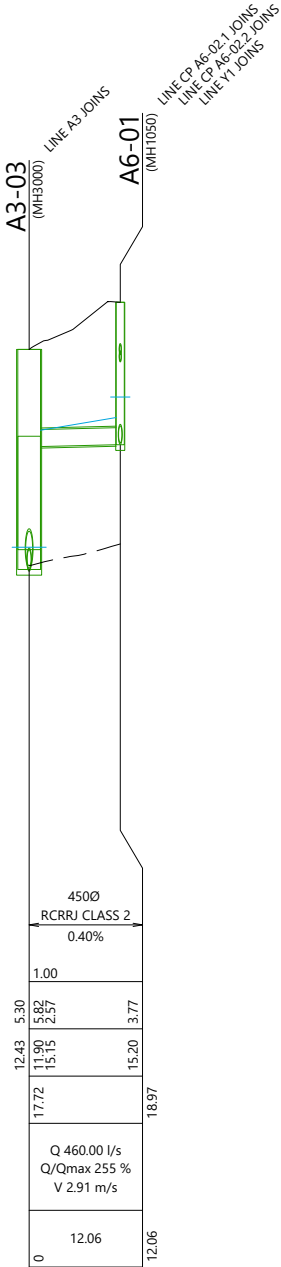


EXCAVATION FACES BENCHMARKED AND BATTERED TO A SAFE SLOPE

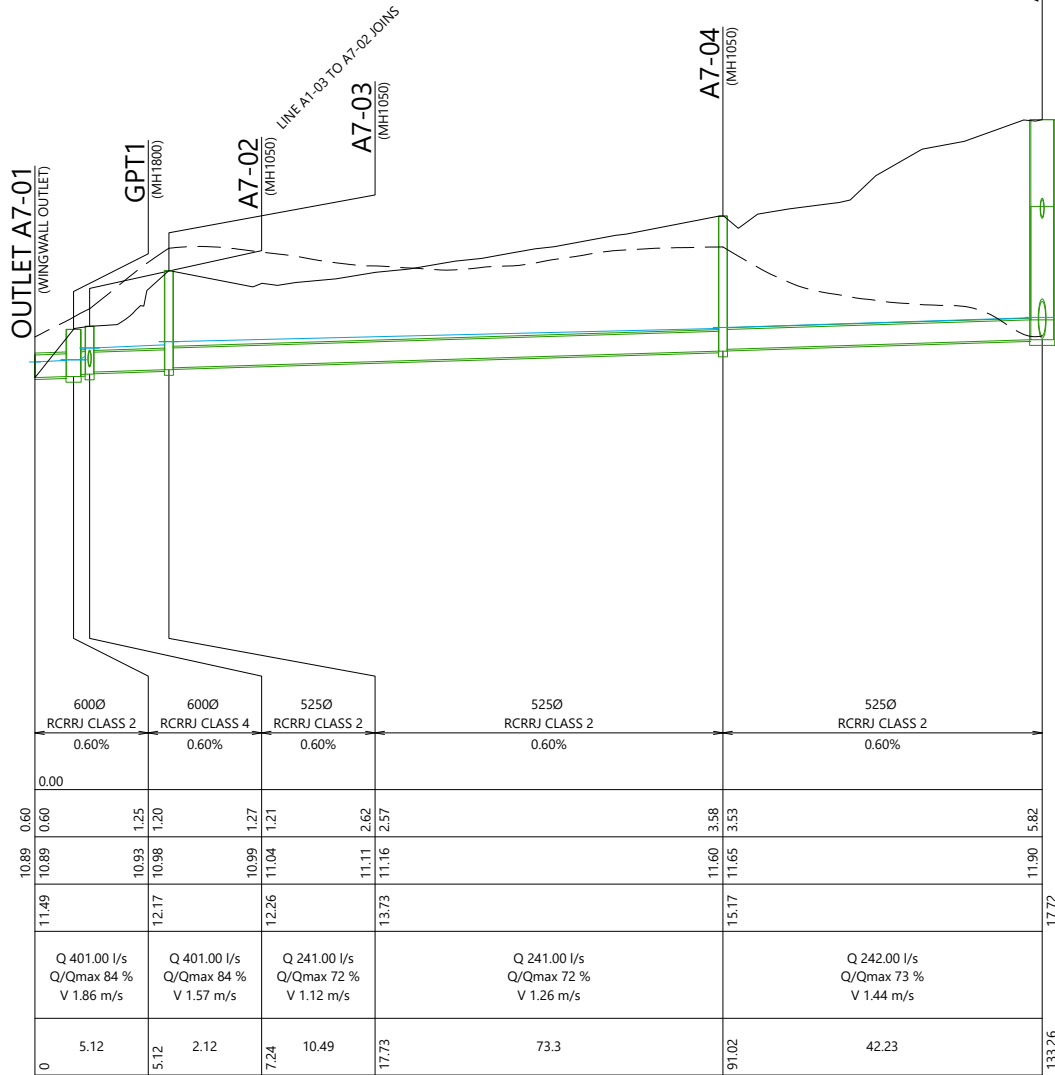
NOT TO SCALE



A5



A6-02 TO A3-04



A7

NOTES

1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
3. VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
4. IN ALL CASES, PIPES CLASHES SHOULD NOT CONCLUDE WITH STORMWATER RCRRJ PIPE SOCKET ENDS.
5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



REVISION DETAILS	INT	DATE	SURVEYED	
2 FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	MK
3 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	MK
4 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW
9 FOR S67 RESPONSE	RO	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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WOODS.CO.NZ



DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 4 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3503-DR	

NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.





EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE

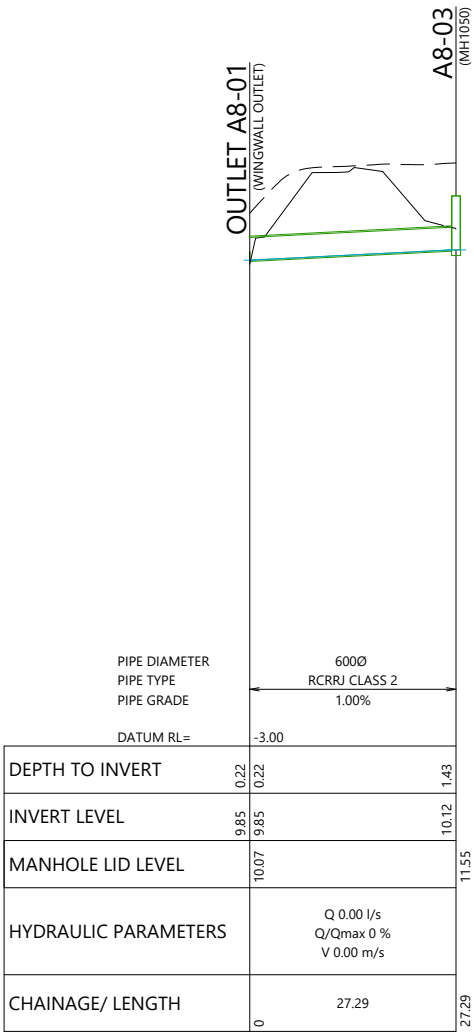
NOT TO SCALE

NOTES

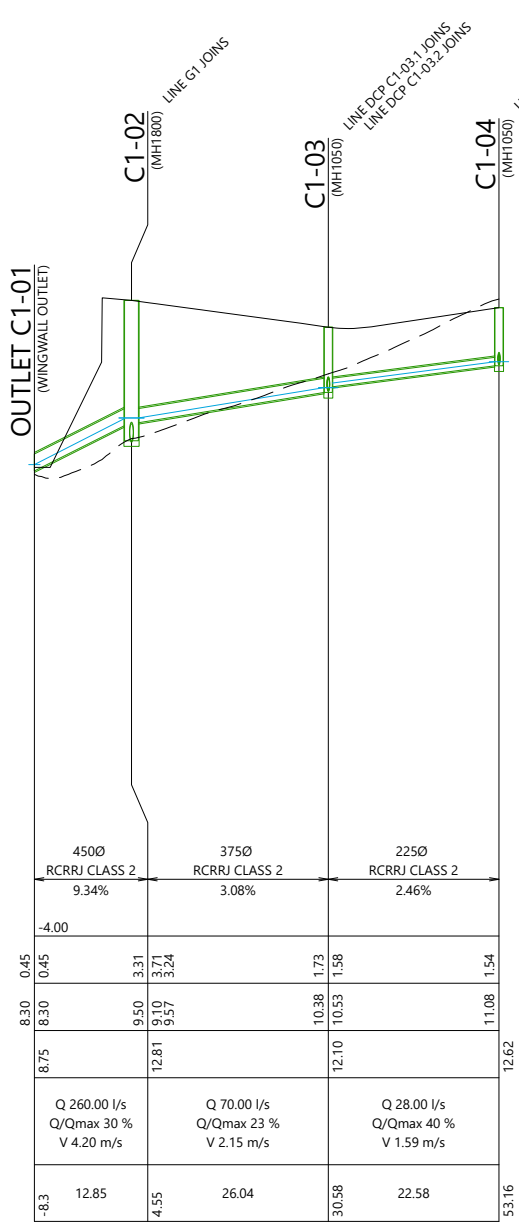
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
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5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

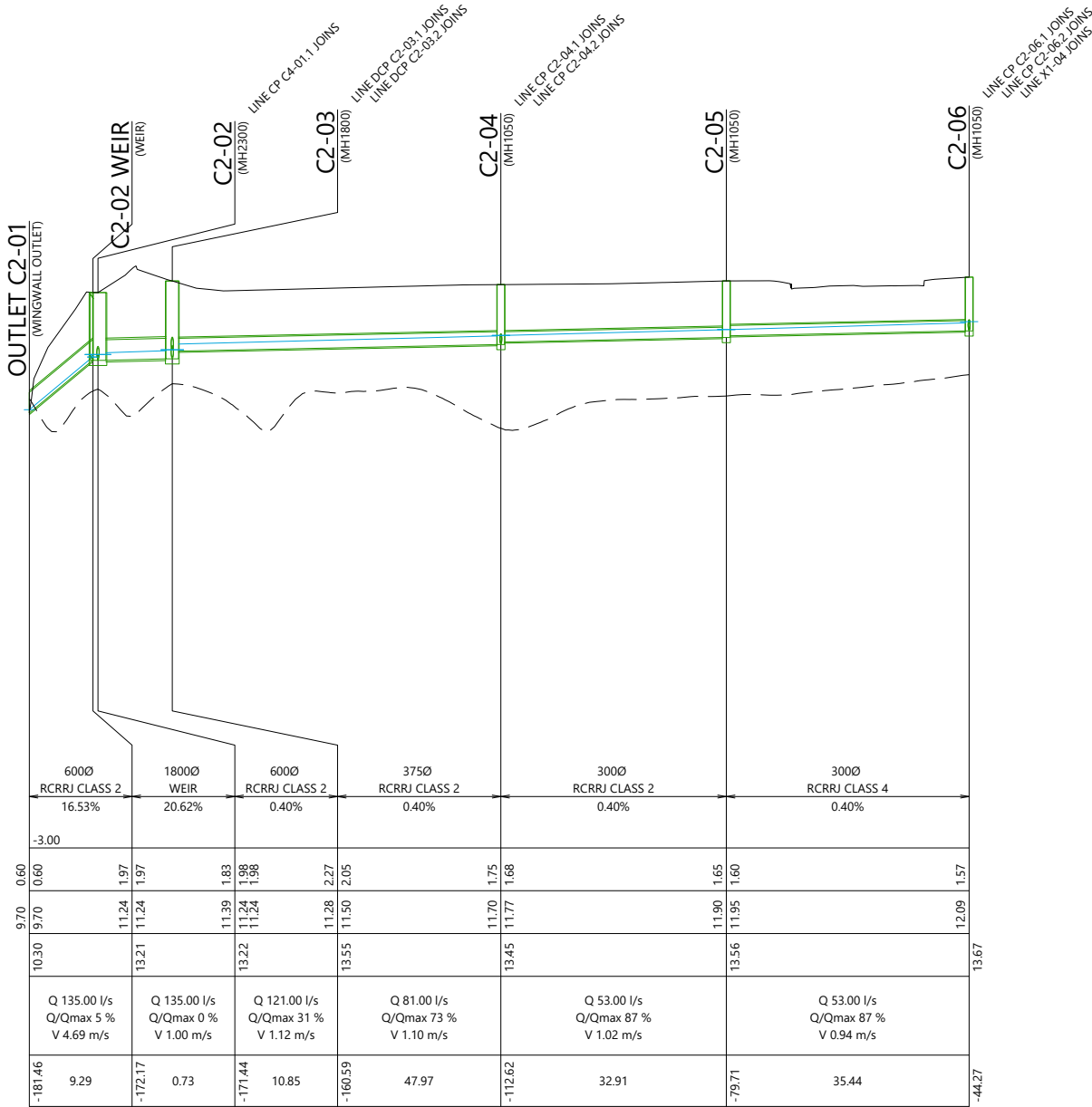
-  PROPOSED HARDFILL BACKFILL
-  PROPOSED FINISHED SURFACE
-  DEPTH OF FLOW (HYDRAULIC GRADELINE)
-  EXISTING GROUND



A8



C1



C2

REVISION DETAILS	INT	DATE	SURVEYED	
2 FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	MK
3 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	MK
4 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW
9 FOR S67 RESPONSE	RO	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229



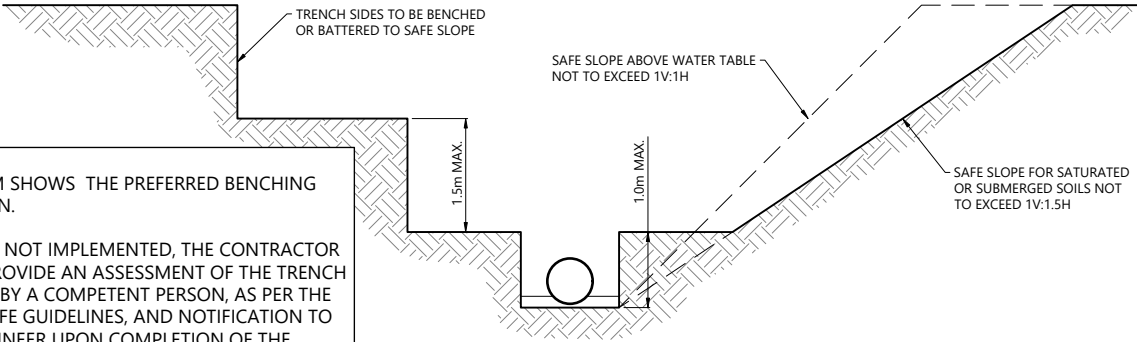
DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 5 OF 19)

STATUS	FOR S67 RESPONSE	REV	9
SCALE	H 1:1000 @ A3 V 1:200 @ A3		
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-3504-DR		

NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

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EXCAVATION FACES BENCED AND BATTERED TO A SAFE SLOPE

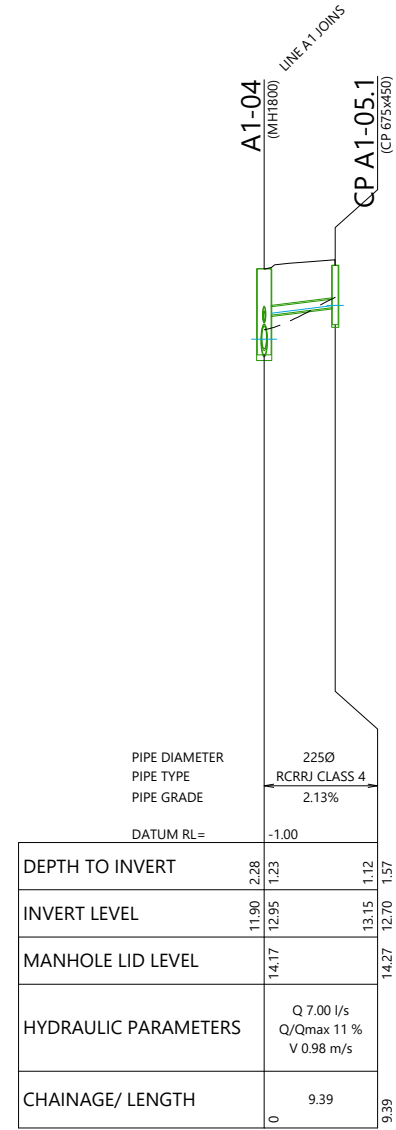
NOT TO SCALE

NOTES

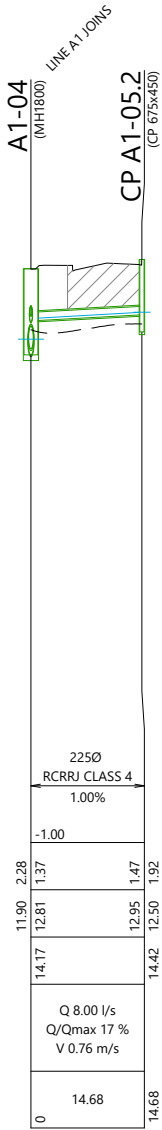
- PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
- VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
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- ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

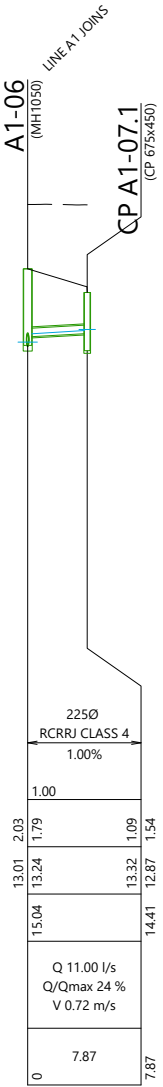
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



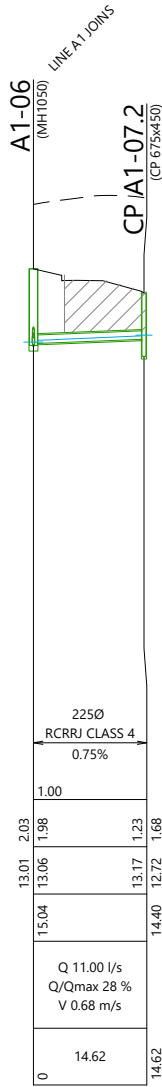
CP A1-05.1



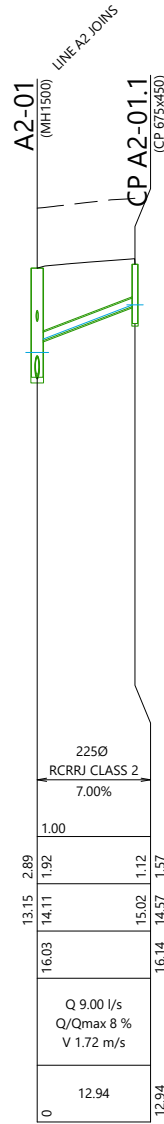
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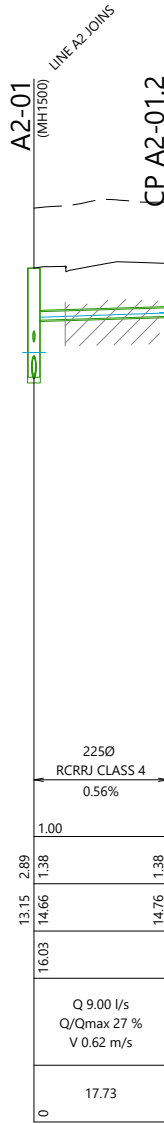
CP A1-07.1



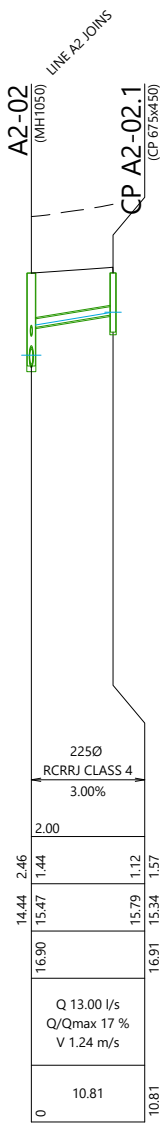
CP A1-07.2



CP A2-01.1



CP A2-01.2



CP A2-02.1

REVISION DETAILS					INT	DATE	SURVEYED	
2	FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	MK			
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	MK			
4	FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW			
9	FOR S67 RESPONSE	RO	23/07/25	APPROVED	CD			

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229

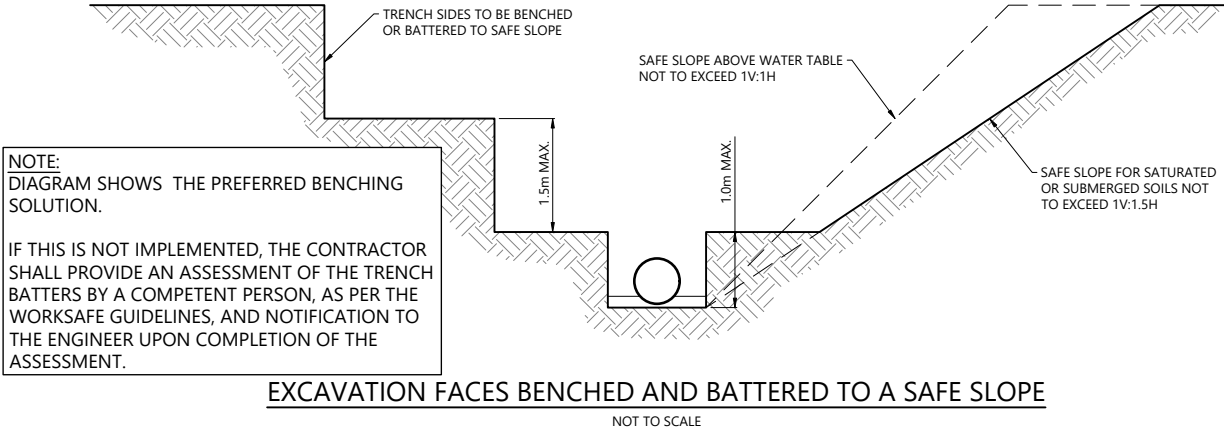


DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 6 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3505-DR	



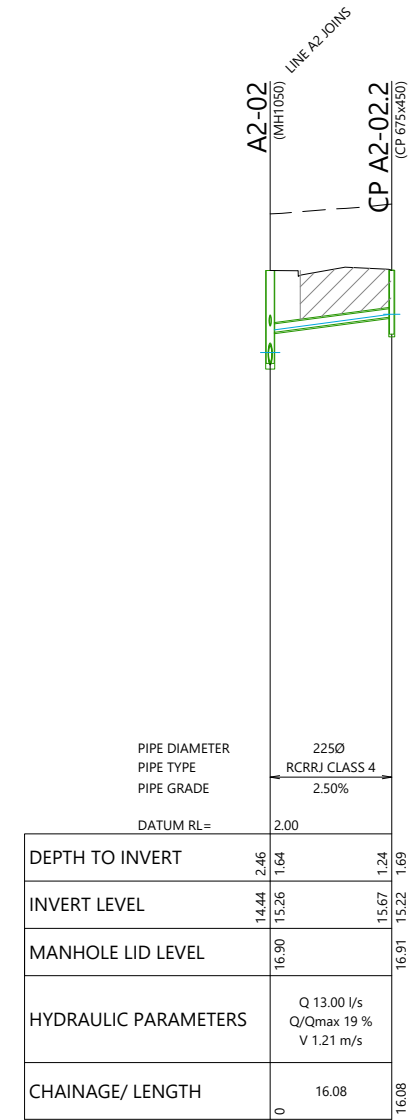


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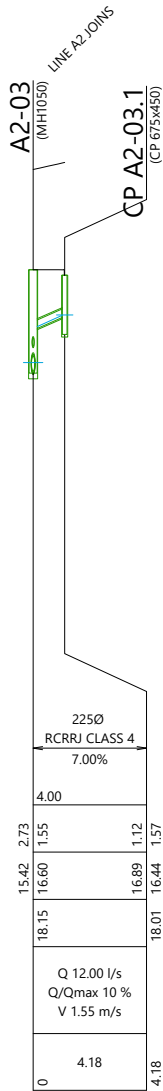
- PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
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- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

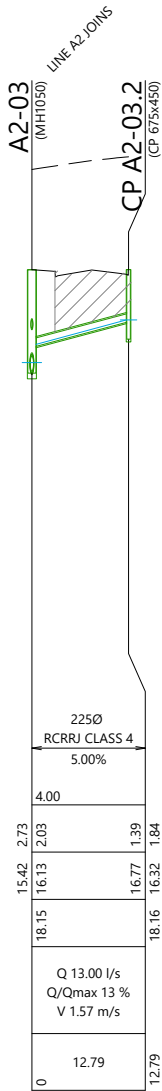
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



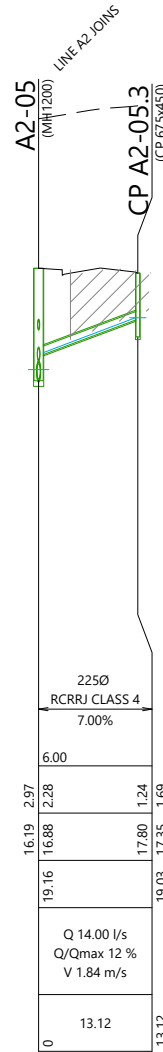
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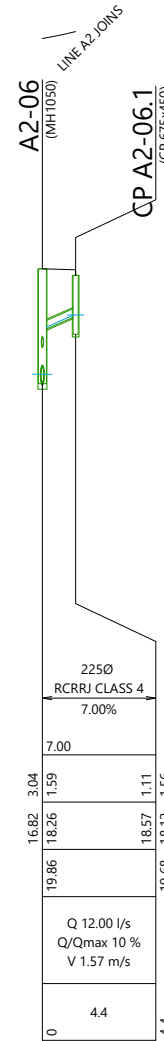
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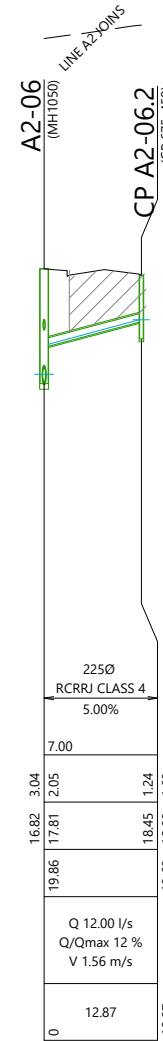
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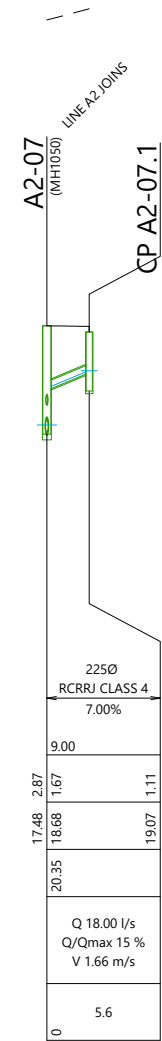
CP A2-05.3



CP A2-06.1



CP A2-06.2



CP A2-07.1

REVISION DETAILS					INT	DATE	SURVEYED	
2	FOR THE 99% SUBMISSION				MK	10/02/2025	DESIGNED	MK
3	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	MK
4	FOR S67 RESPONSE				RO	17/07/25	CHECKED	GW
9	FOR S67 RESPONSE				RO	23/07/25	APPROVED	CD



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229

WOODS.CO.NZ



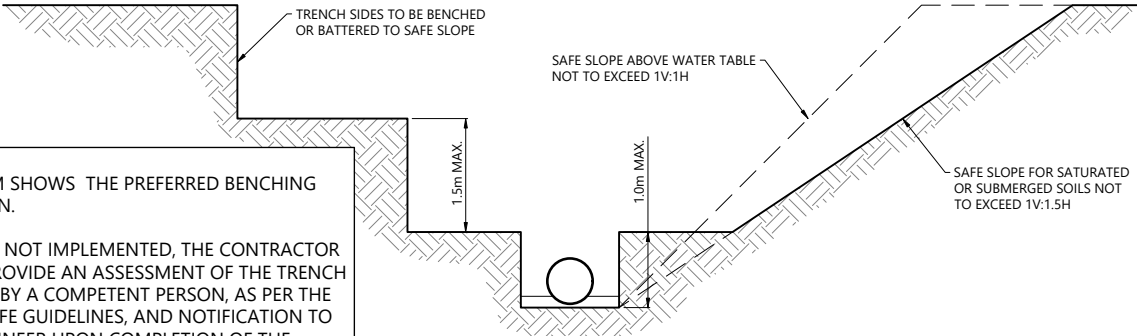
DRURY CENTRE-STAGE 2
STORMWATER LONGSECTION (SHEET 7 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3506-DR	



NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

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EXCAVATION FACES BENCED AND BATTERED TO A SAFE SLOPE

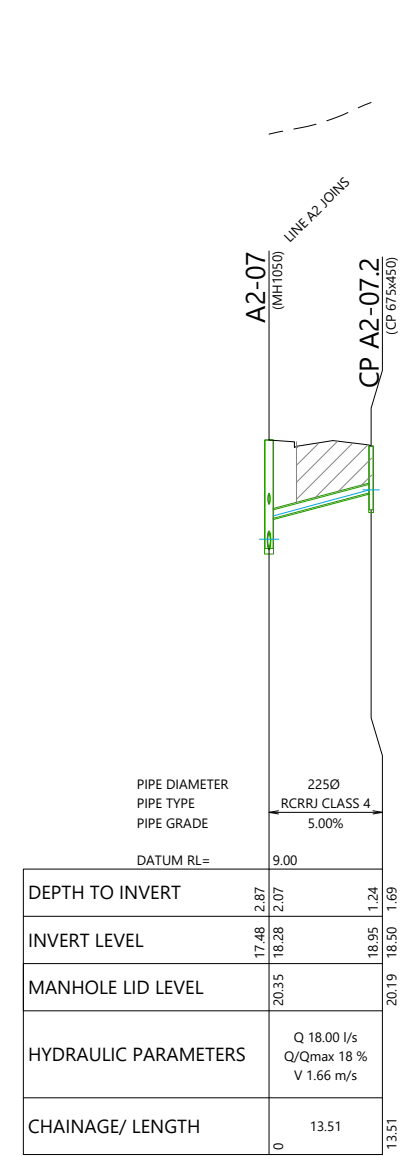
NOT TO SCALE

NOTES

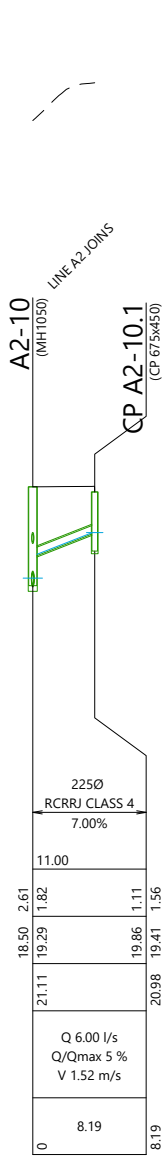
- PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
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- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

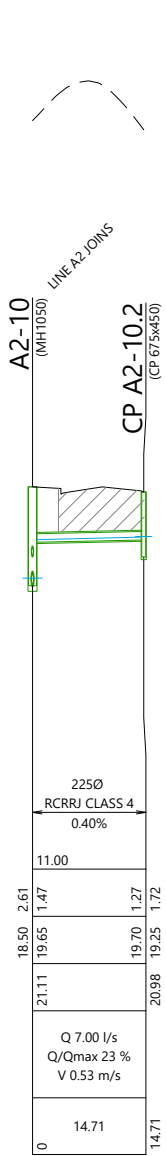
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



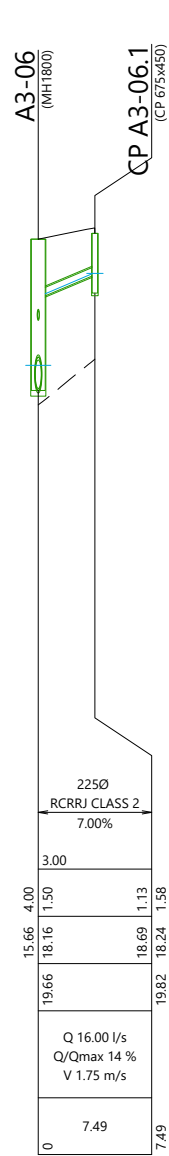
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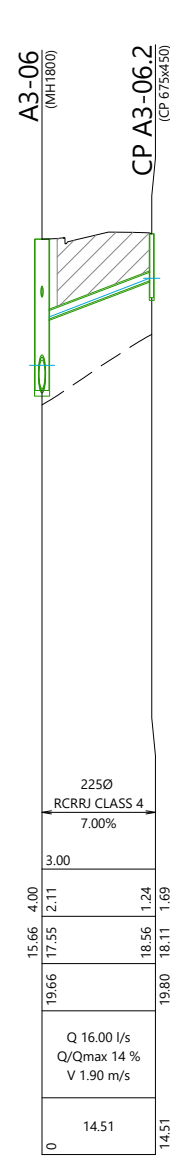
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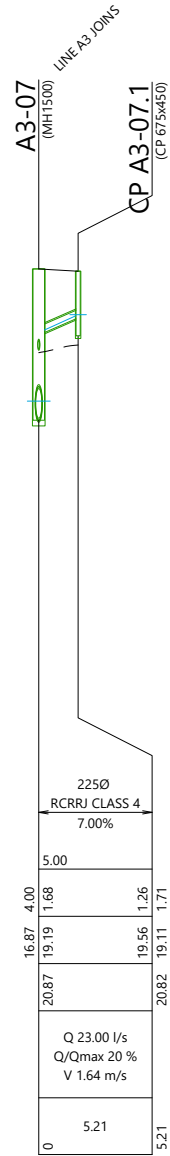
CP A2-10.2



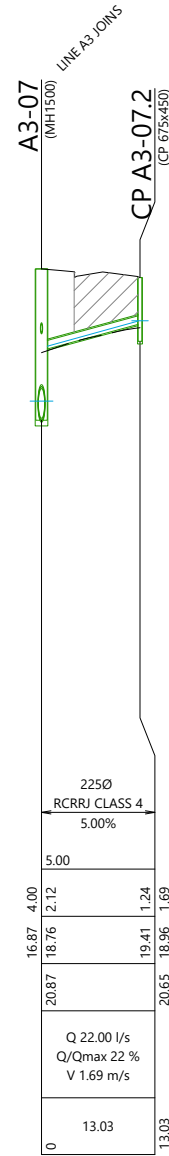
CP A3-06.1



CP A3-06.2



CP A3-07.1



CP A3-07.2

REVISION DETAILS	INT	DATE	SURVEYED	
2 FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	MK
3 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	MK
4 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW
9 FOR S67 RESPONSE	RO	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229



DRURY CENTRE-STAGE 2

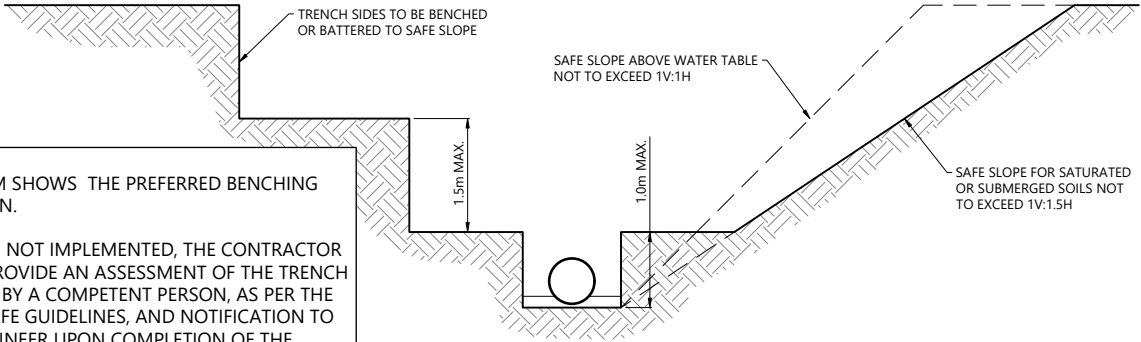
STORMWATER LONGSECTION (SHEET 8 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3507-DR	



NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

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EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE

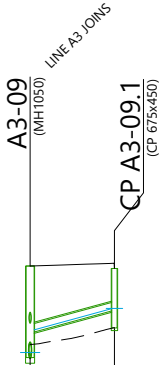
NOT TO SCALE

NOTES

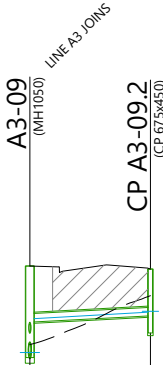
- PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
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- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

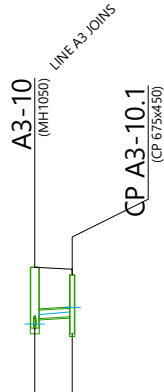
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



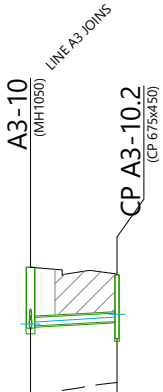
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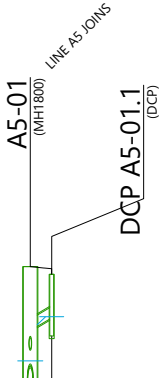
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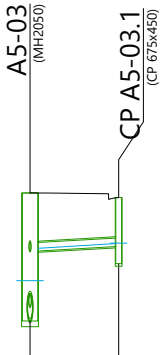
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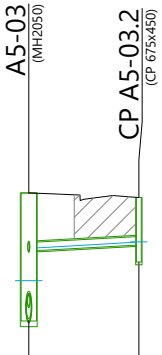
CP A3-10.2



CP A5-01.1



CP A5-03.1



CP A5-03.2

REVISION DETAILS					INT	DATE	SURVEYED	
2	FOR THE 99% SUBMISSION				MK	10/02/2025	DESIGNED	MK
3	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	MK
4	FOR S67 RESPONSE				RO	17/07/25	CHECKED	GW
9	FOR S67 RESPONSE				RO	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229



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DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 9 OF 19)

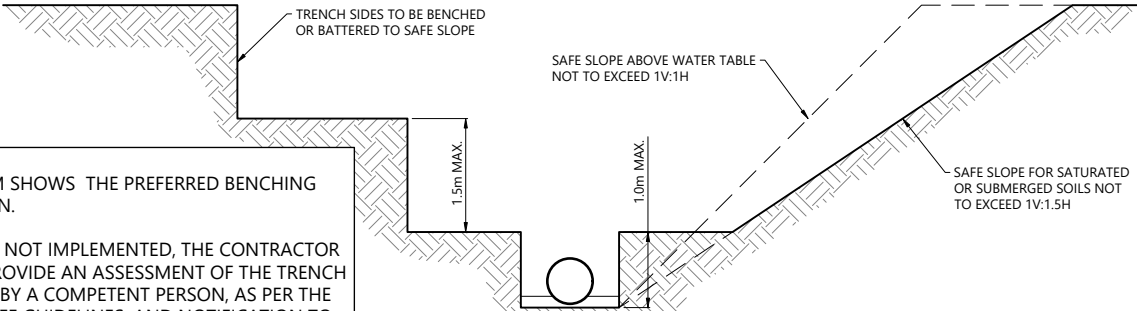
STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	

DWG NO	P24-447-01-3508-DR
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NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.



EXCAVATION FACES BENCED AND BATTERED TO A SAFE SLOPE

NOT TO SCALE

NOTES

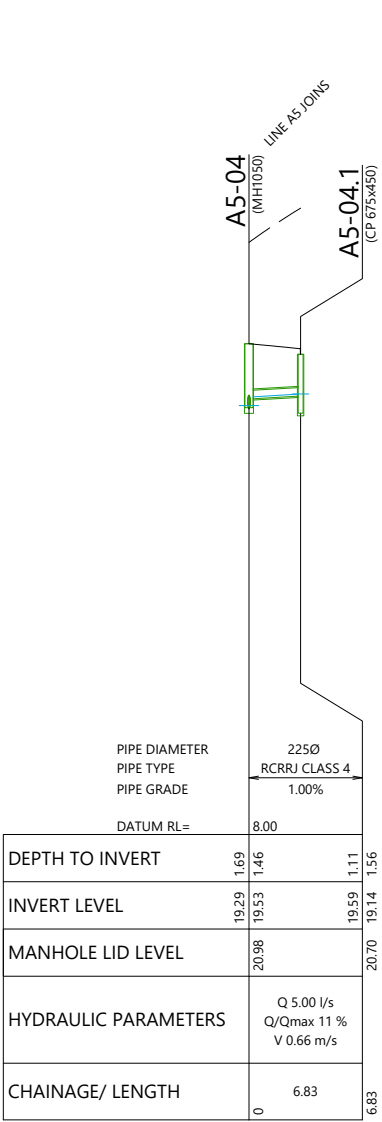
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
3. VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
4. IN ALL CASES, PIPES CLASHES SHOULD NOT CONCIIDE WITH STORMWATER RCRRJ PIPE SOCKET ENDS.
5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

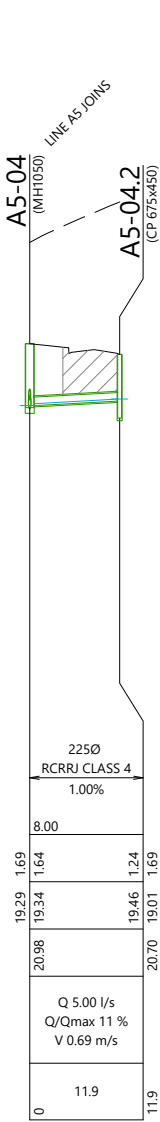
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



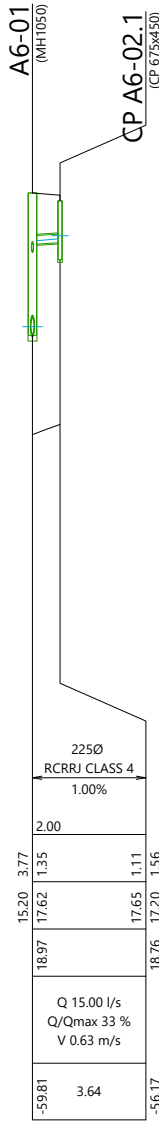
Plot Date- 4:07:16 pm,23 July 2025, SHANZIDM



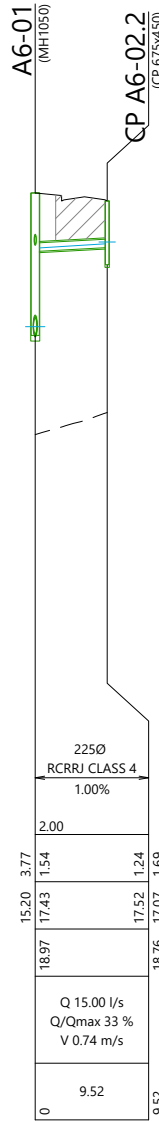
CP A5-04.1



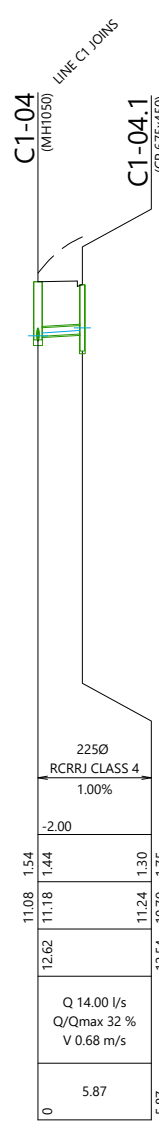
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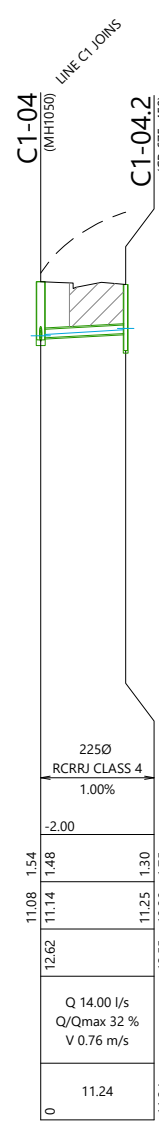
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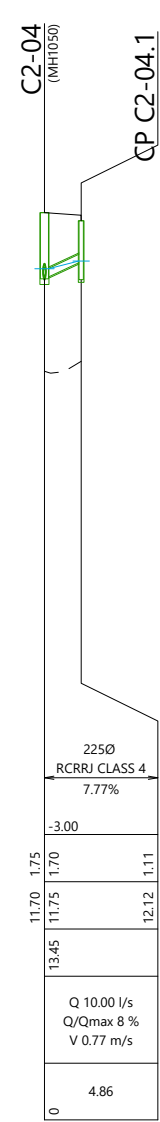
CP A6-02.2



CP C1-04.1



CP C1-04.2



CP C2-04.1

REVISION DETAILS					
2	FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	
4	FOR S67 RESPONSE	RO	17/07/25	CHECKED	
9	FOR S67 RESPONSE	RO	23/07/25	APPROVED	

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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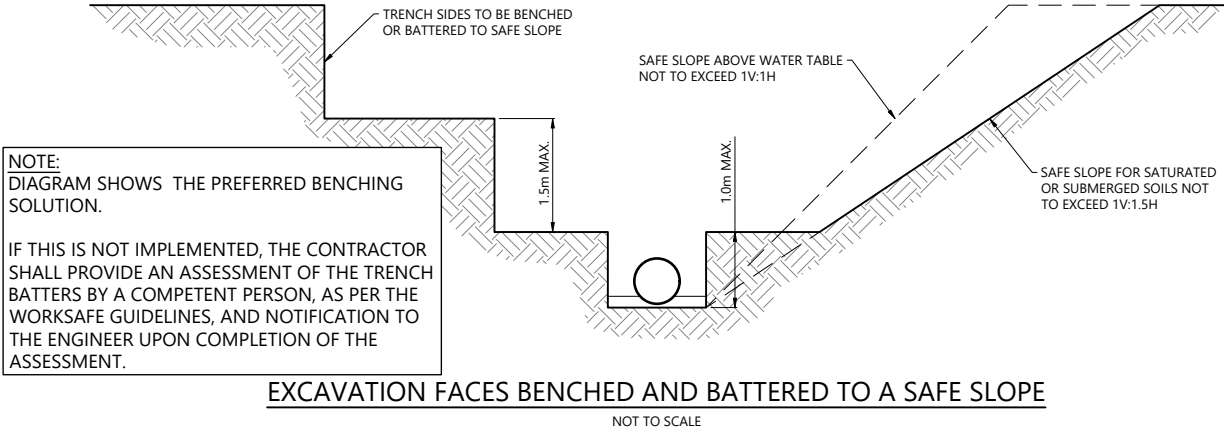


DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 10 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3509-DR	

File: C:\12DS\ENERGY\DATA\WP-AKL-APP-02\P24-447 - DRURY CENTRE - STAGE 2_22140\02 DRAWINGS\01 ENG\P24-447-01-3509-DR_STORMWATER LONGSECTION.DWG

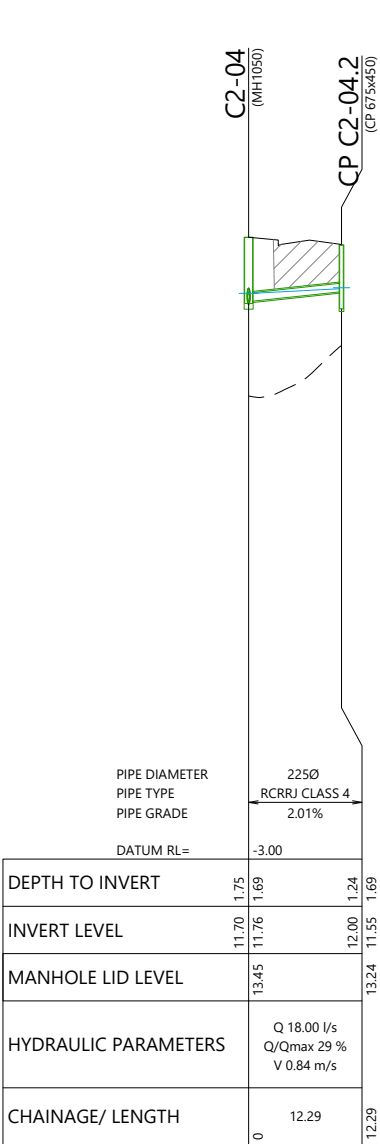


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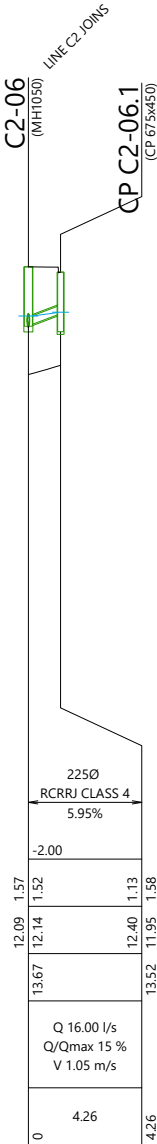
- PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
- VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
- VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
- IN ALL CASES, PIPES CLASHES SHOULD NOT CONCIIDE WITH STORMWATER RCRRJ PIPE SOCKET ENDS.
- ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

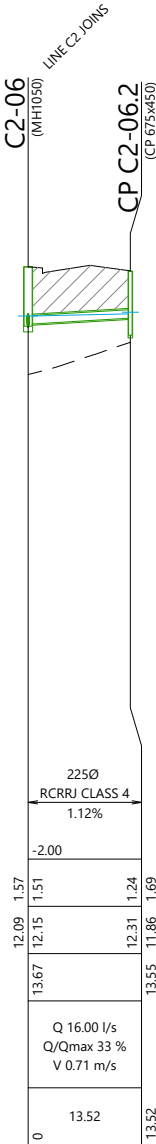
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



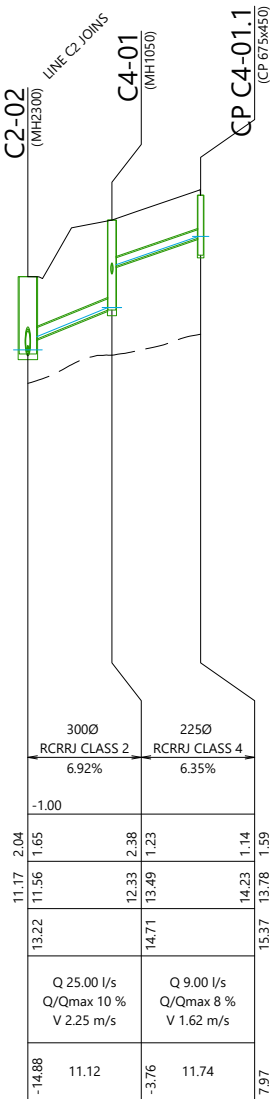
CP C2-04.2



CP C2-06.1



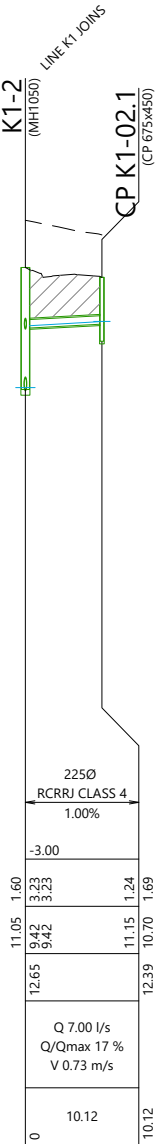
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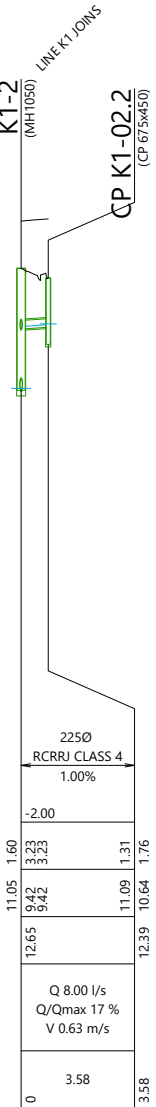
CP C4-01.1



CP C4-01.2



CP K1-02.1



CP K1-02.2

REVISION DETAILS	INT	DATE	SURVEYED	
2 FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	MK
3 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	MK
4 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW
9 FOR S67 RESPONSE	RO	23/07/25	APPROVED	CD



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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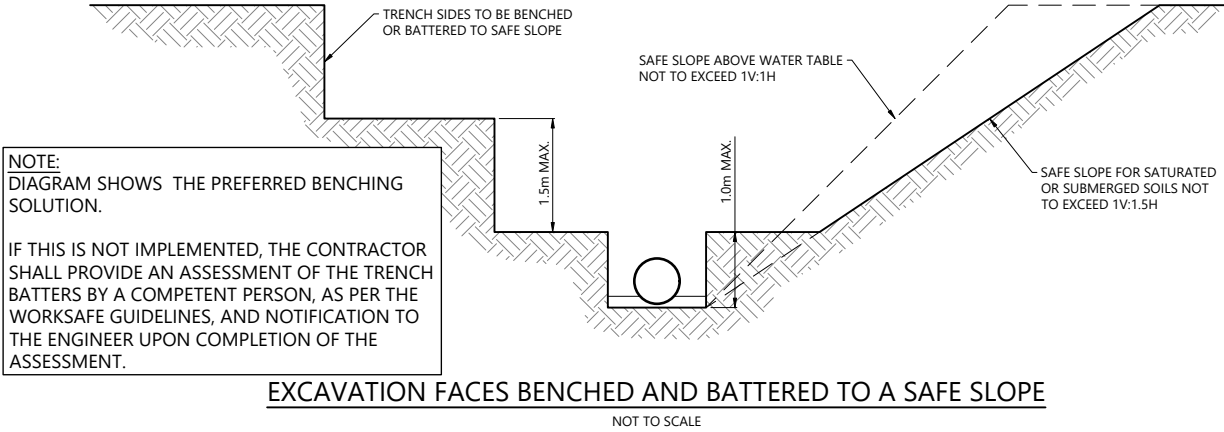


DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 11 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3510-DR	



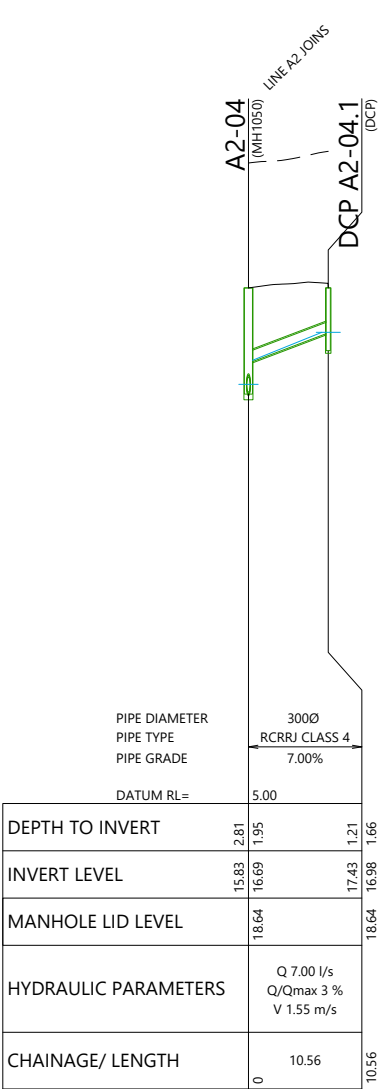


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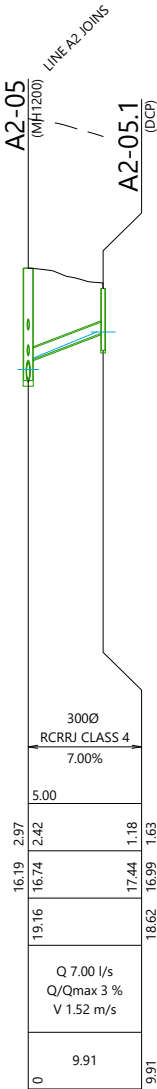
- PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
- VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
- VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
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- ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

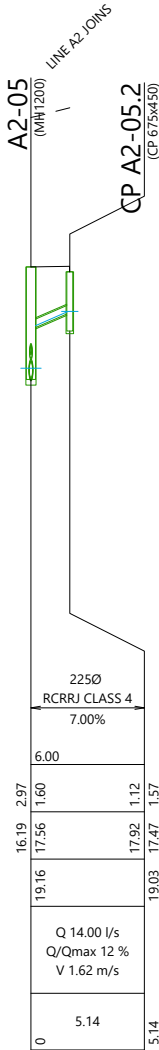
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



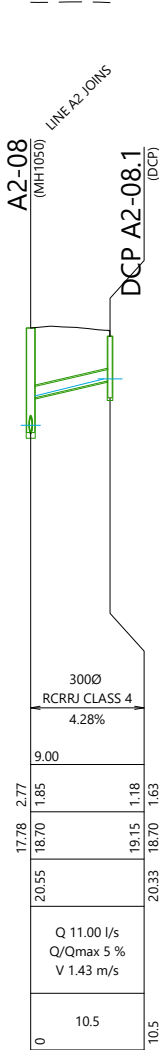
DCP A2-04.1



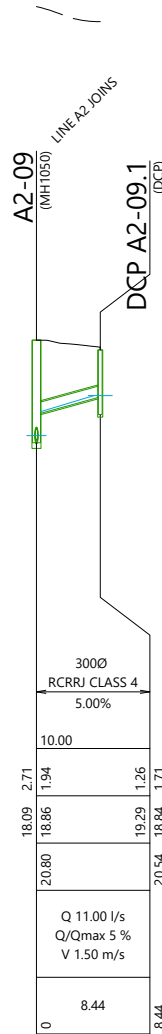
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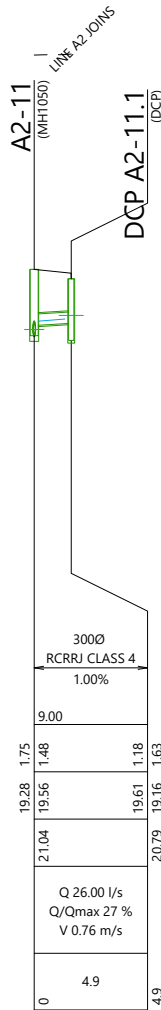
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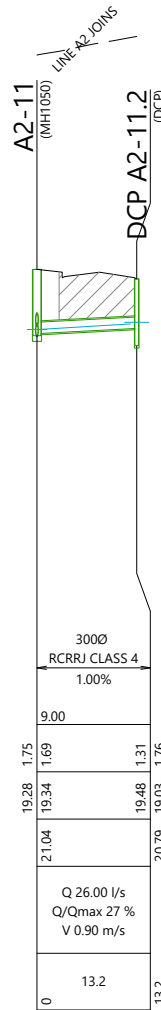
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DCP A2-09.1



DCP A2-11.1



DCP A2-11.2

REVISION DETAILS					INT	DATE	SURVEYED	
2	FOR THE 99% SUBMISSION				MK	10/02/2025	DESIGNED	MK
3	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	MK
4	FOR S67 RESPONSE				RO	17/07/25	CHECKED	GW
9	FOR S67 RESPONSE				RO	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229



DRURY CENTRE-STAGE 2

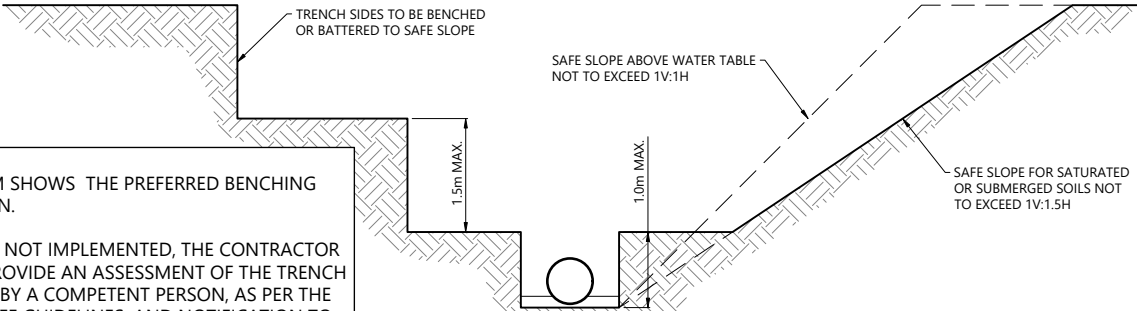
STORMWATER LONGSECTION (SHEET 12 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3511-DR	



NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.



EXCAVATION FACES BENCED AND BATTERED TO A SAFE SLOPE

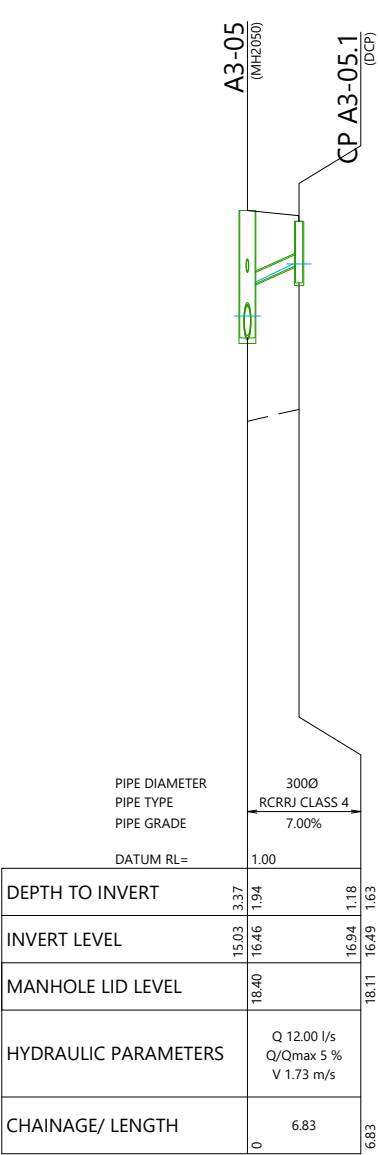
NOT TO SCALE

NOTES

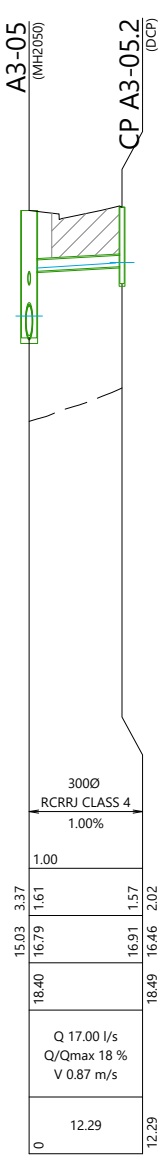
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
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5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

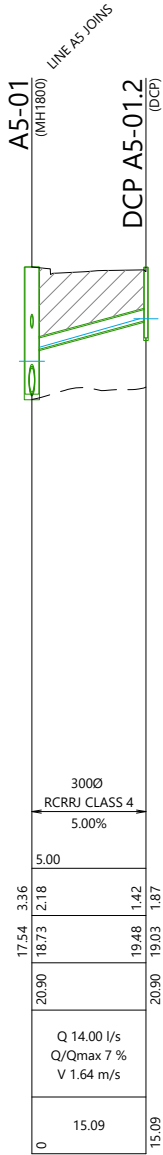
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



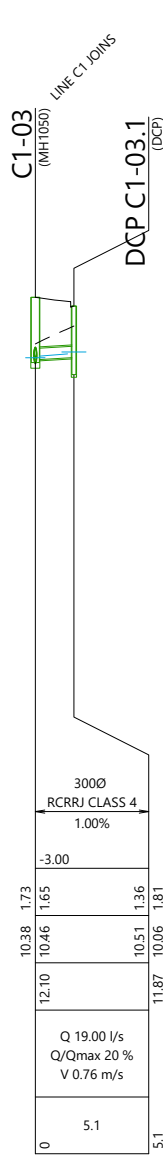
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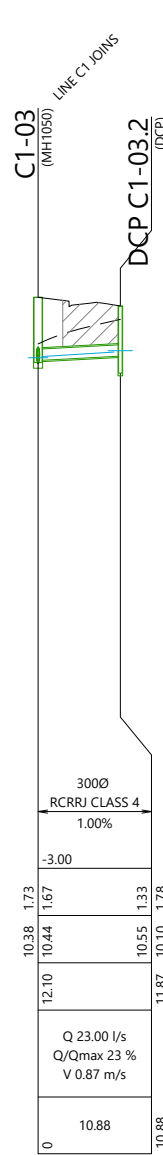
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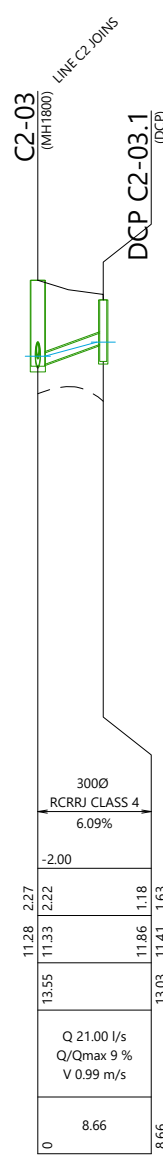
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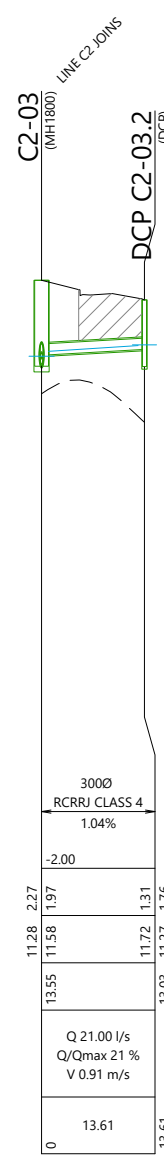
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DCP C1-03.2



DCP C2-03.1



DCP C2-03.2

REVISION DETAILS					INT	DATE	SURVEYED	
2	FOR THE 99% SUBMISSION				MK	10/02/2025	DESIGNED	MK
3	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	MK
4	FOR S67 RESPONSE				RO	17/07/25	CHECKED	GW
9	FOR S67 RESPONSE				RO	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229

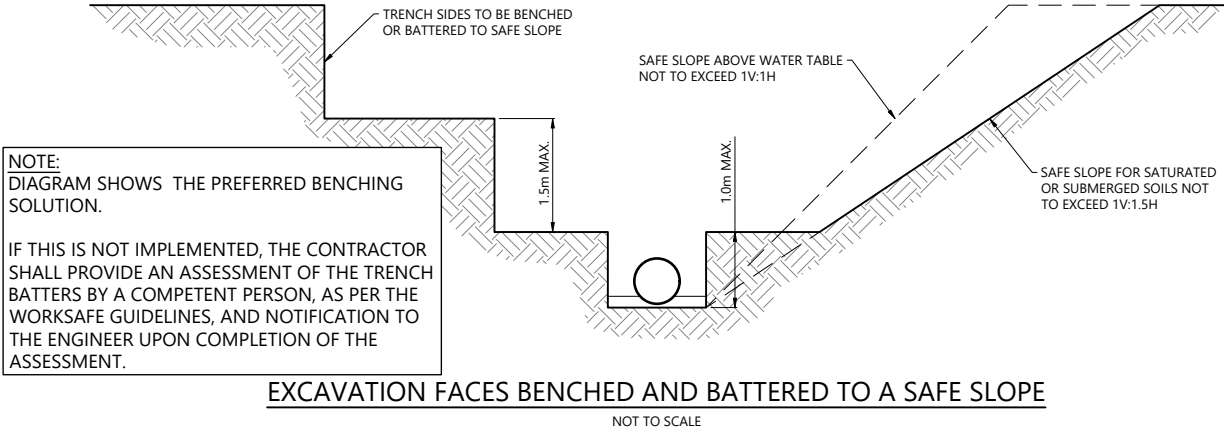


DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 13 OF 19)

STATUS	FOR S67 RESPONSE	REV	
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9	
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-3512-DR		



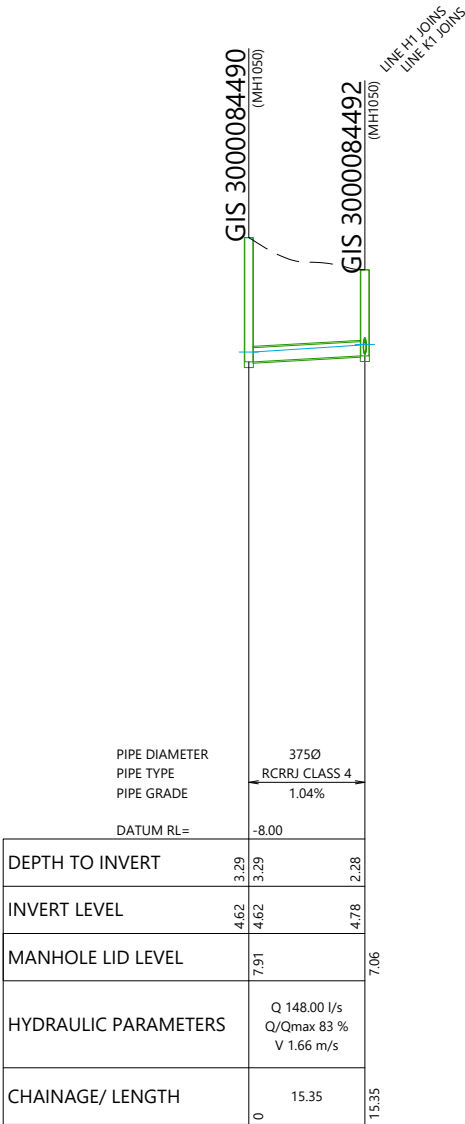


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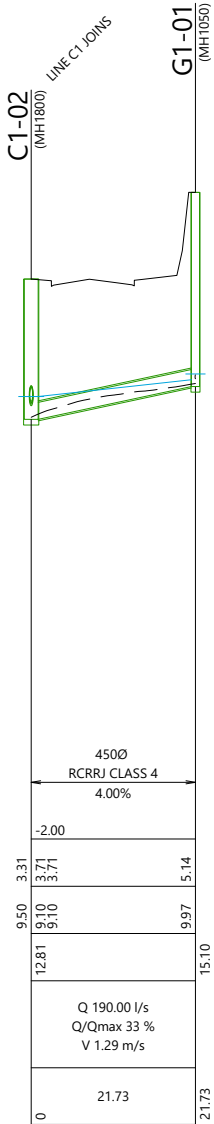
- PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
- VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
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- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

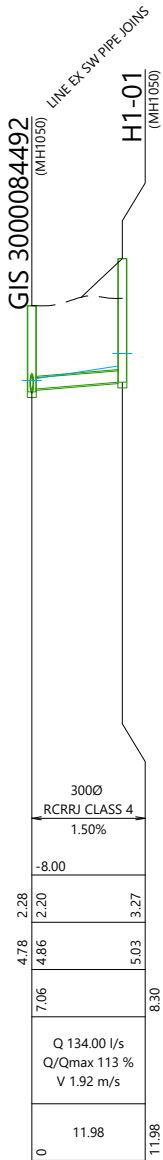
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



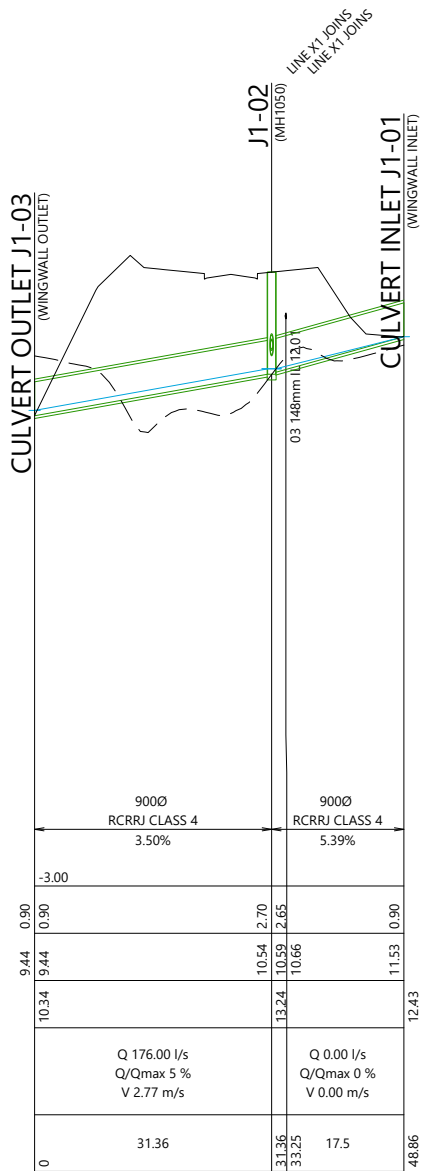
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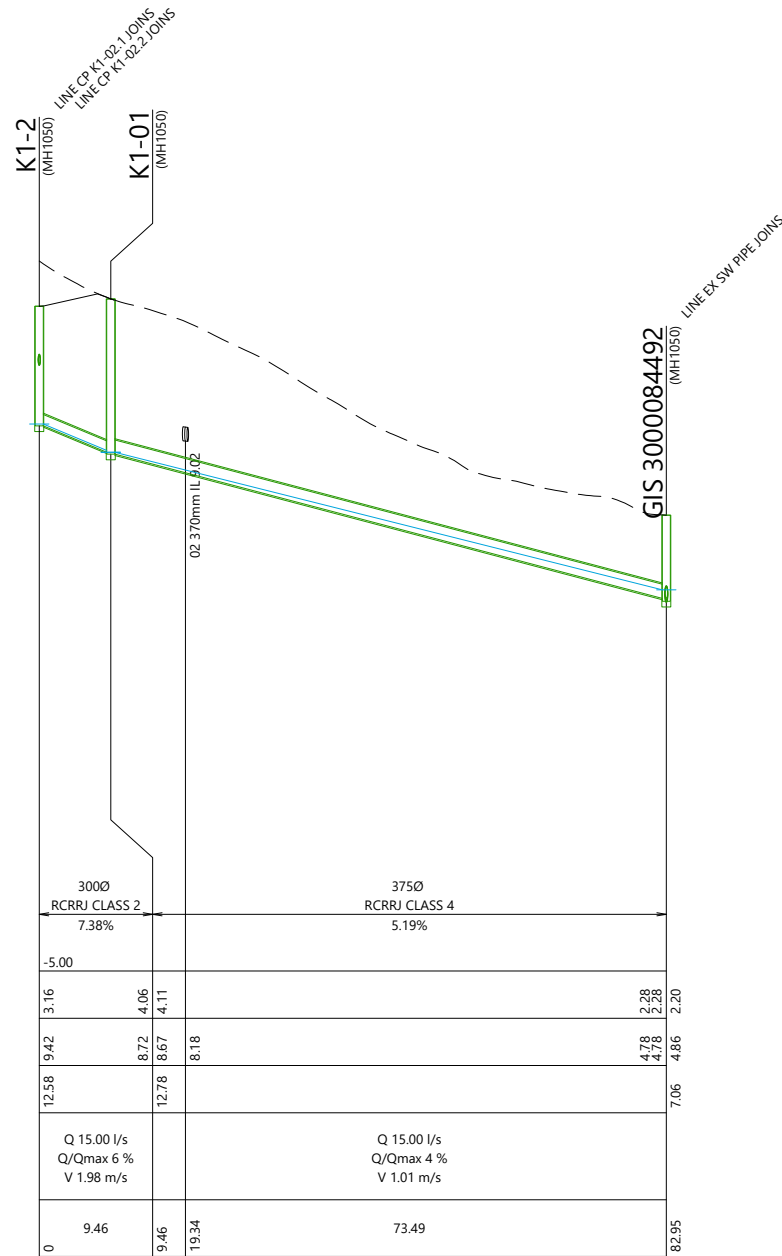
G1



H1



J1



K1

REVISION DETAILS	INT	DATE	SURVEYED	
2 FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	MK
3 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	MK
4 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW
9 FOR S67 RESPONSE	RO	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229



DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 14 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3513-DR	

NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.

EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE

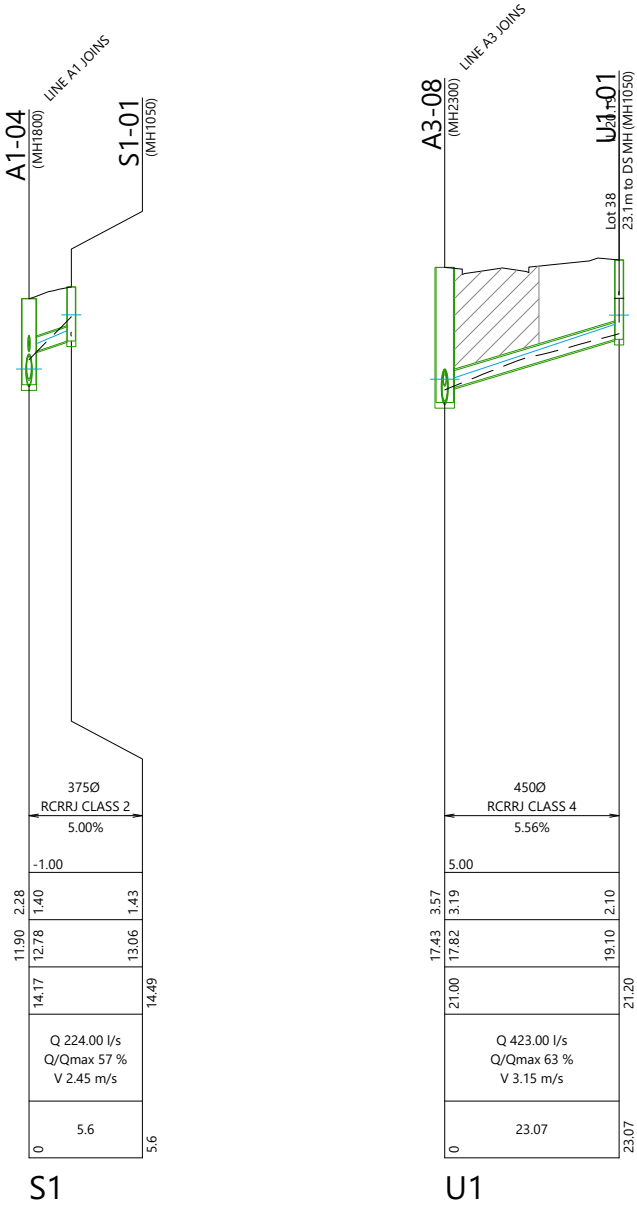
NOT TO SCALE

NOTES

1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
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5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



REVISION DETAILS				
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DESIGNED MK
4	FOR FAST TRACK CONSENT	GW	21/03/2025	DRAWN MK
5	FOR S67 RESPONSE	RO	17/07/25	CHECKED GW
9	FOR S67 RESPONSE	RO	23/07/25	APPROVED CD



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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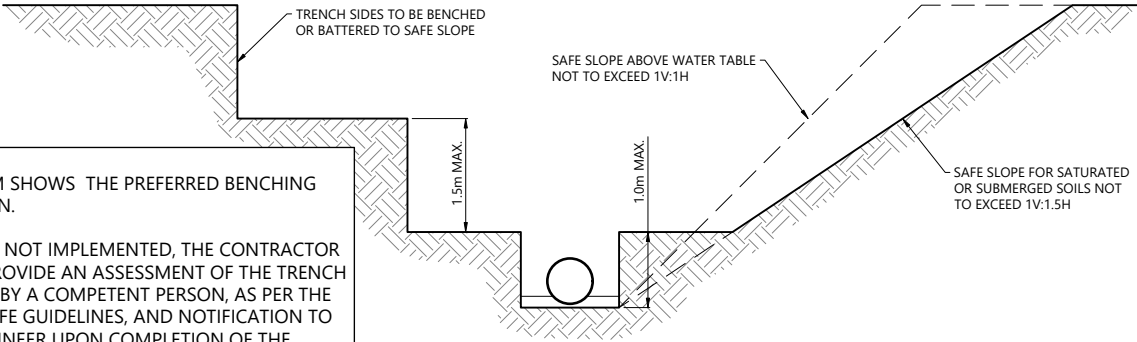
DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 15 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3514-DR	

NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.



EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE

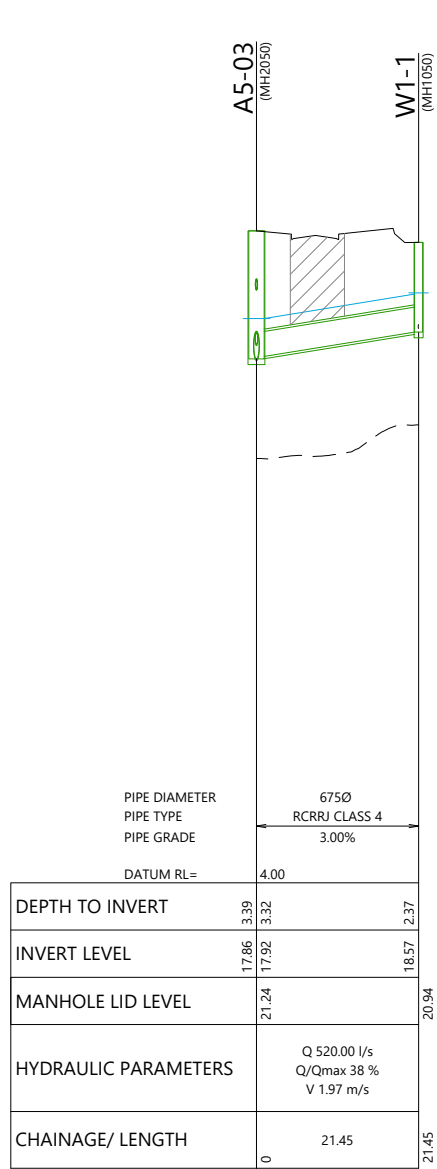
NOT TO SCALE

NOTES

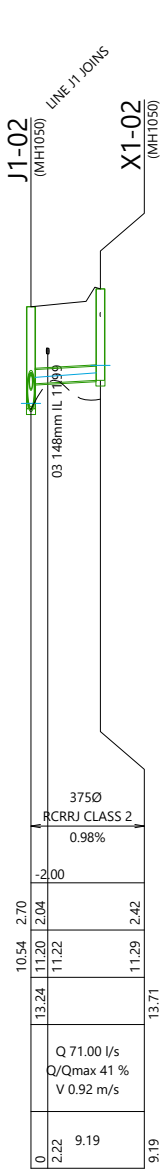
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
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6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

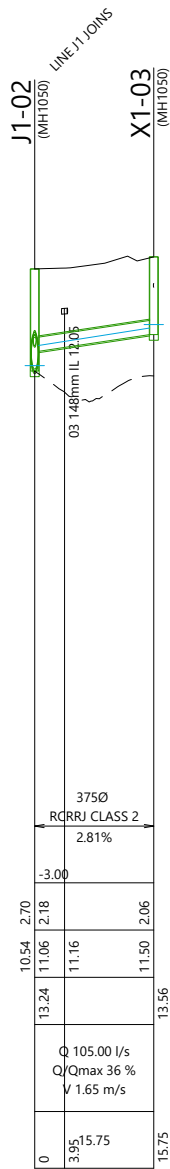
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



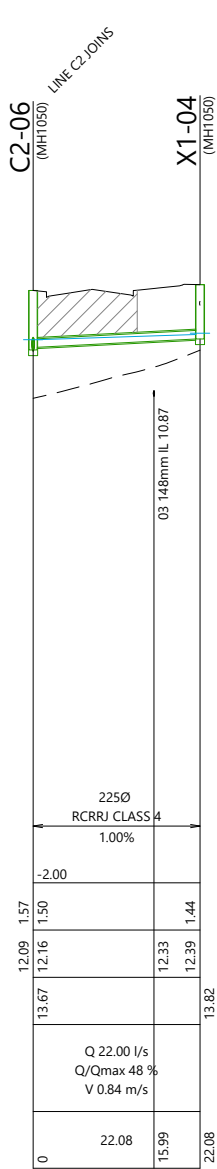
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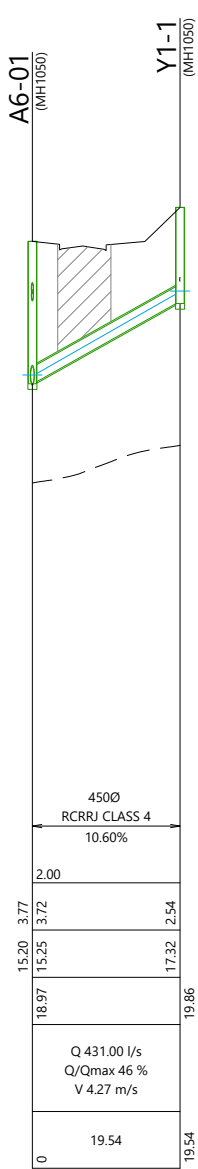
X1



X1



X1-04



Y1

REVISION DETAILS	INT	DATE	SURVEYED	
2 FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	MK
3 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	MK
4 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW
9 FOR S67 RESPONSE	RO	23/07/25	APPROVED	CD

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AUCKLAND 1023
+64 9 308 9229

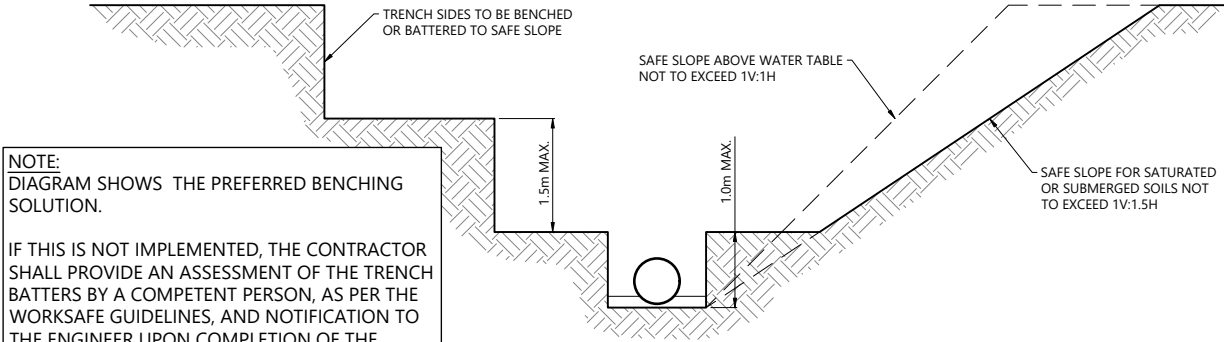


DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 16 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3515-DR	





NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.

EXCAVATION FACES BENCED AND BATTERED TO A SAFE SLOPE

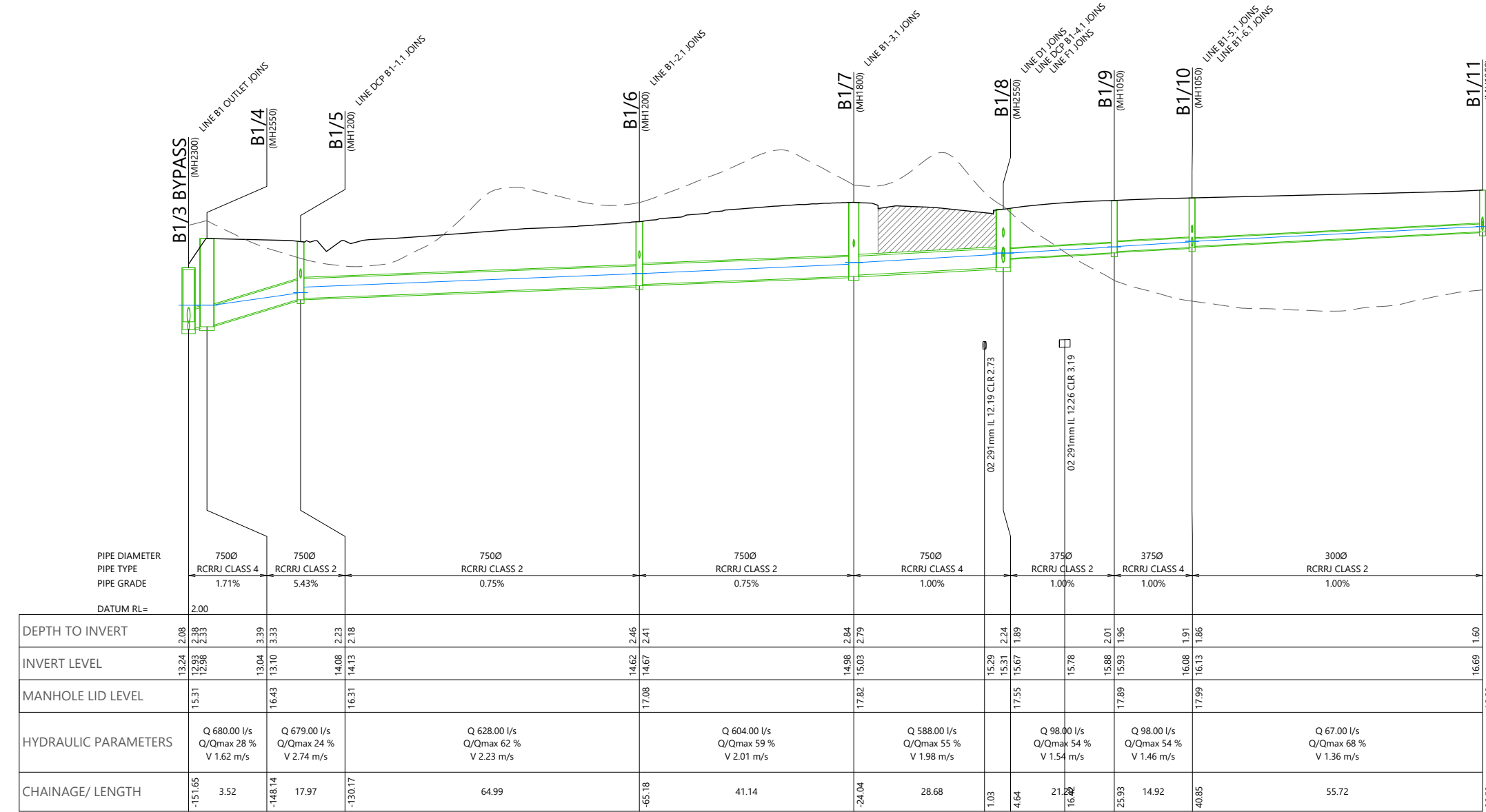
NOT TO SCALE

NOTES

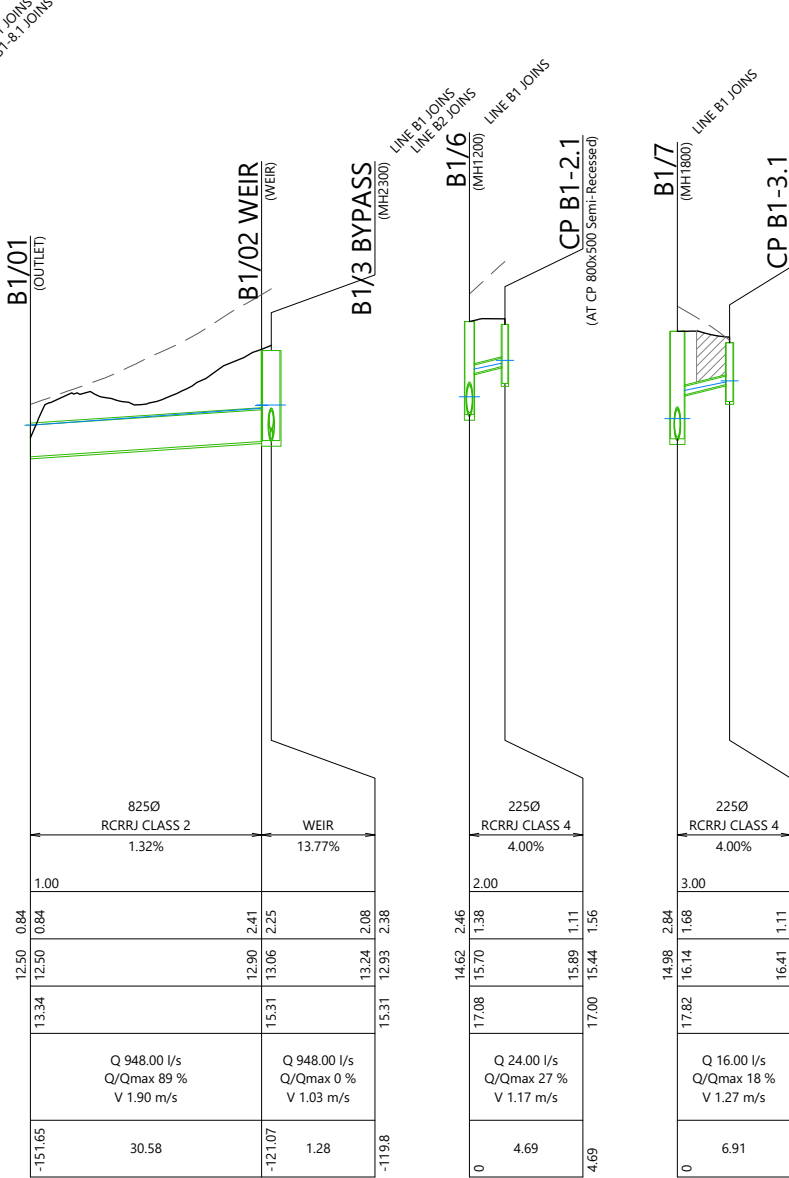
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- VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
- VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
- IN ALL CASES, PIPES CLASHES SHOULD NOT CONCIIDE WITH STORMWATER RCRRJ PIPE SOCKET ENDS.
- ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



B1



B1 OUTLET

B1-2.1

B1-3.1

REVISION DETAILS	INT	DATE	SURVEYED	
2 FOR THE 99% SUBMISSION	MK	10/02/2025	DESIGNED	MK
3 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	MK
4 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW
9 FOR S67 RESPONSE	RO	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229



DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 17 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3516-DR	



NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.





EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE

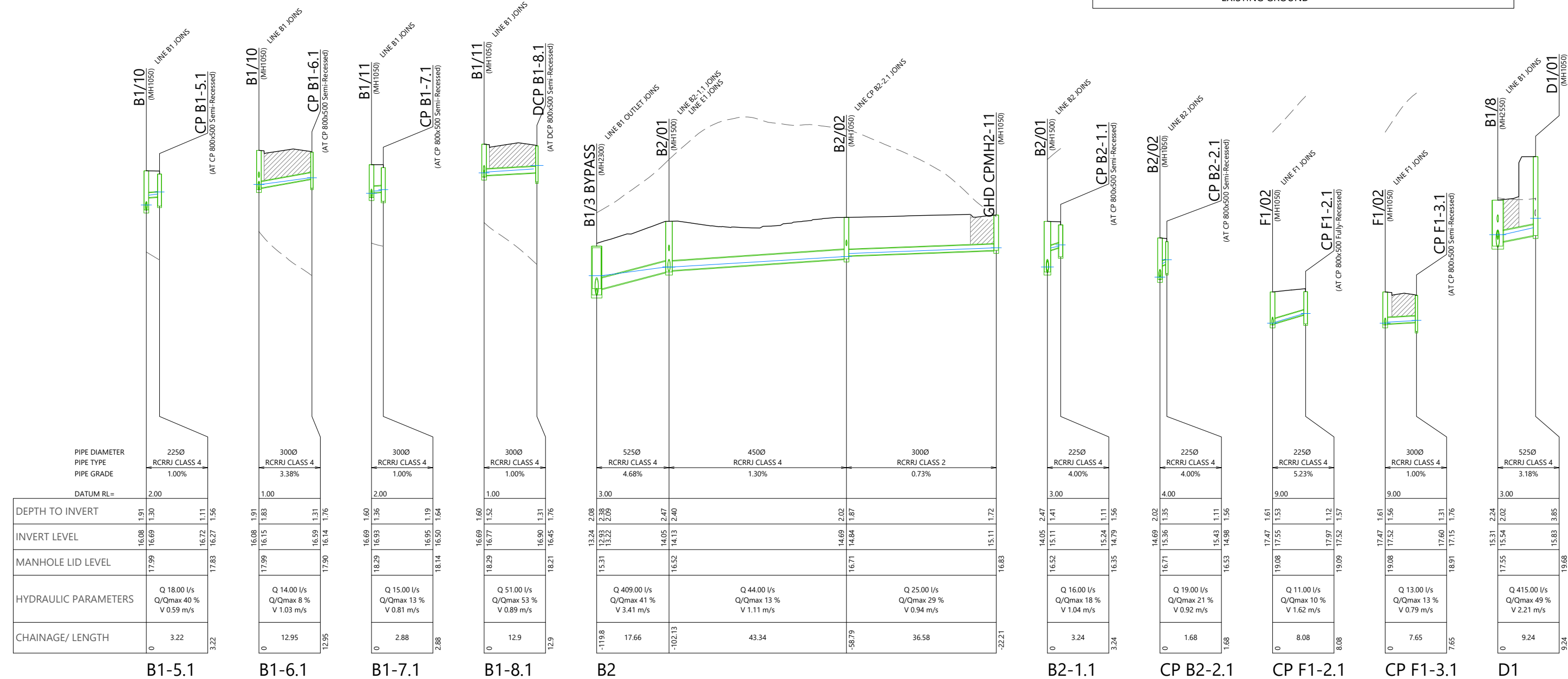
NOT TO SCALE

NOTES

1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
3. VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
4. IN ALL CASES, PIPES CLASHES SHOULD NOT CONCIIDE WITH STORMWATER RCRRJ PIPE SOCKET ENDS.
5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

-  PROPOSED HARDFILL BACKFILL
-  PROPOSED FINISHED SURFACE
-  DEPTH OF FLOW (HYDRAULIC GRADELINE)
-  EXISTING GROUND



REVISION DETAILS					INT	DATE	SURVEYED			BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229



DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 18 OF 19)



NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

IF THIS IS NOT IMPLEMENTED, THE CONTRACTOR SHALL PROVIDE AN ASSESSMENT OF THE TRENCH BATTERS BY A COMPETENT PERSON, AS PER THE WORKSAFE GUIDELINES, AND NOTIFICATION TO THE ENGINEER UPON COMPLETION OF THE ASSESSMENT.





EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE

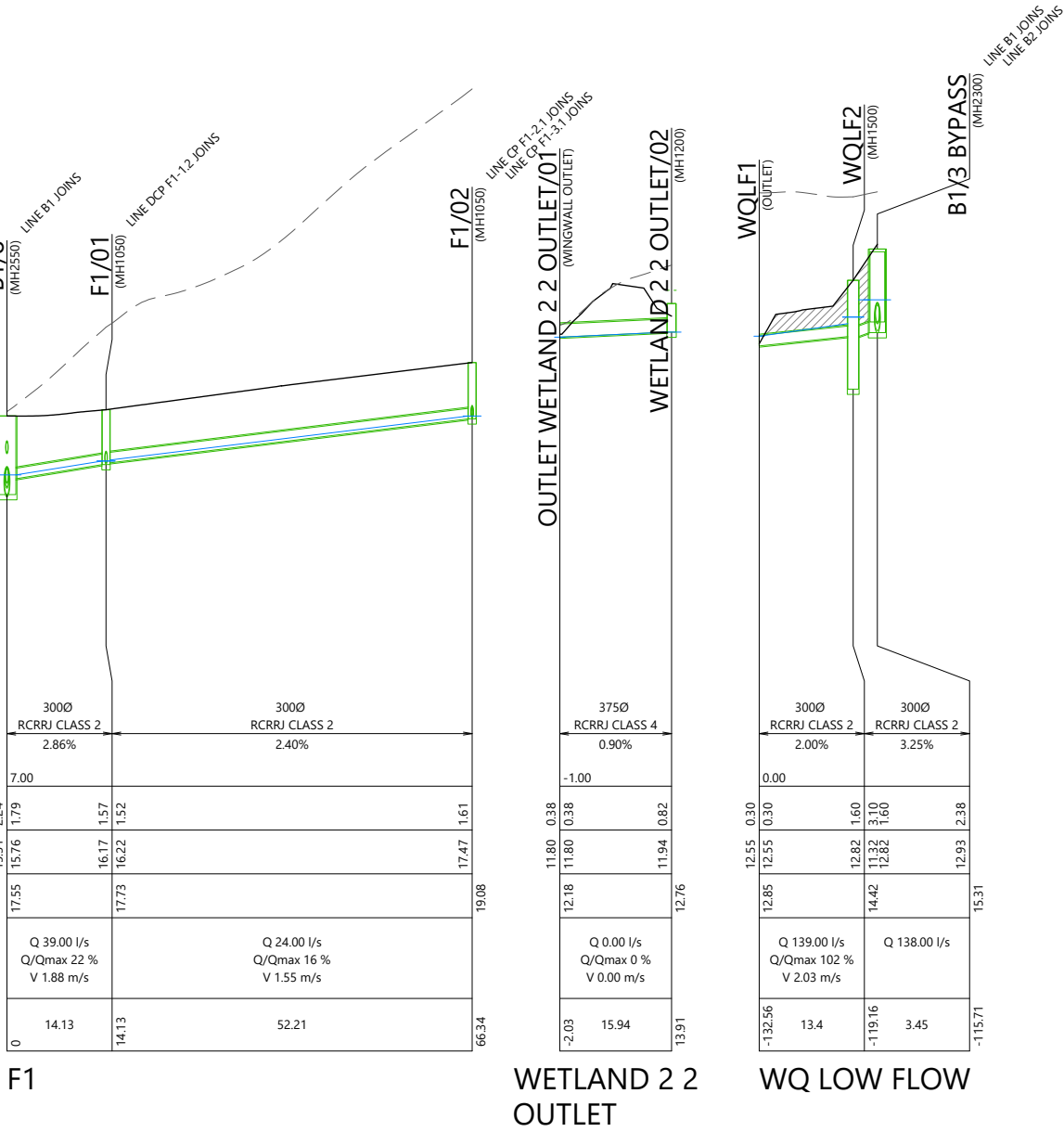
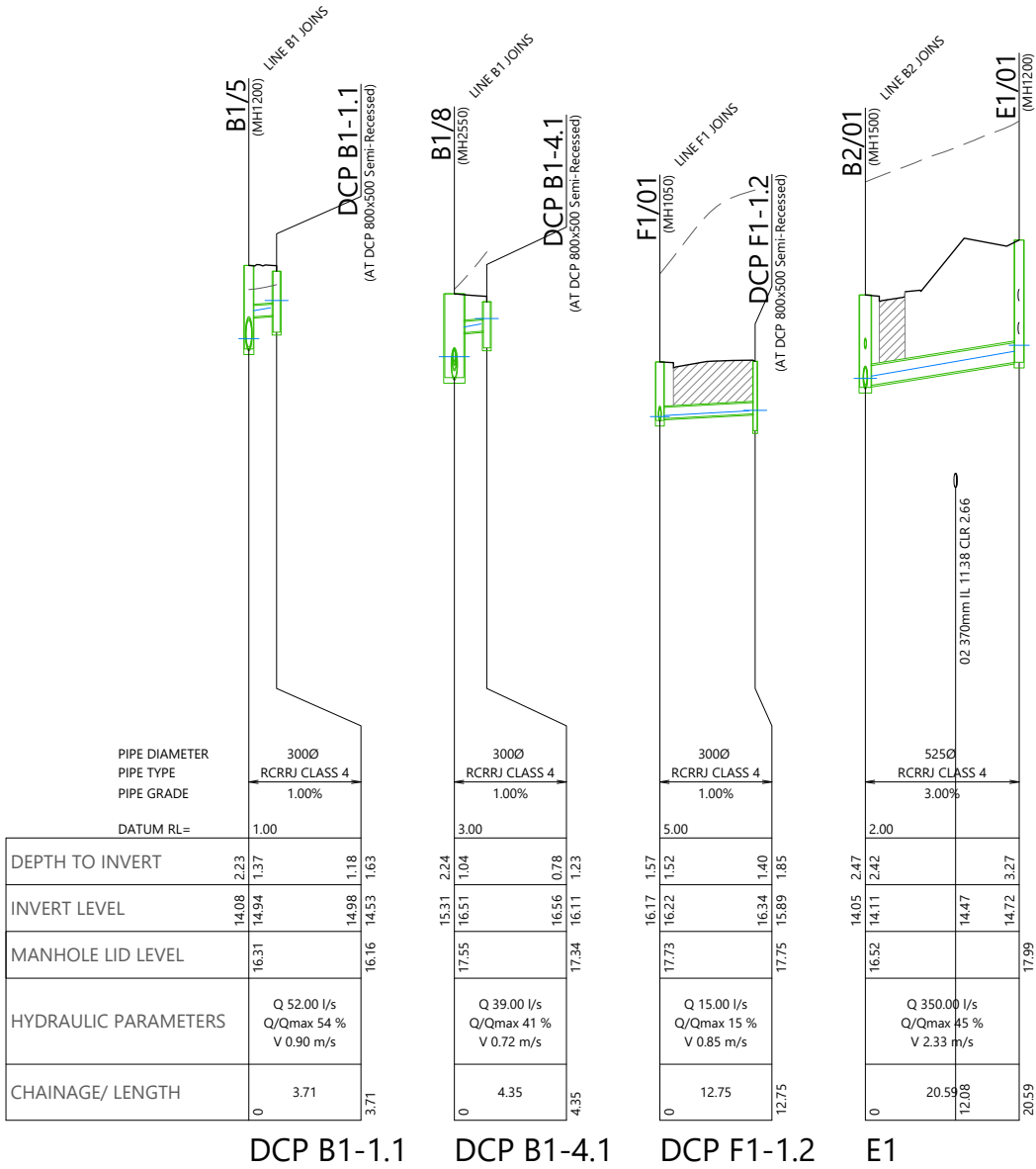
NOT TO SCALE

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- NETWORK MODELLED TO TP108 2.1CC.

LEGEND

-  PROPOSED HARDFILL BACKFILL
-  PROPOSED FINISHED SURFACE
-  DEPTH OF FLOW (HYDRAULIC GRADELINE)
-  EXISTING GROUND



REVISION DETAILS					INT	DATE	SURVEYED	
2	FOR THE 99% SUBMISSION				MK	10/02/2025	DESIGNED	MK
3	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	MK
4	FOR S67 RESPONSE				RO	17/07/25	CHECKED	GW
9	FOR S67 RESPONSE				RO	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229

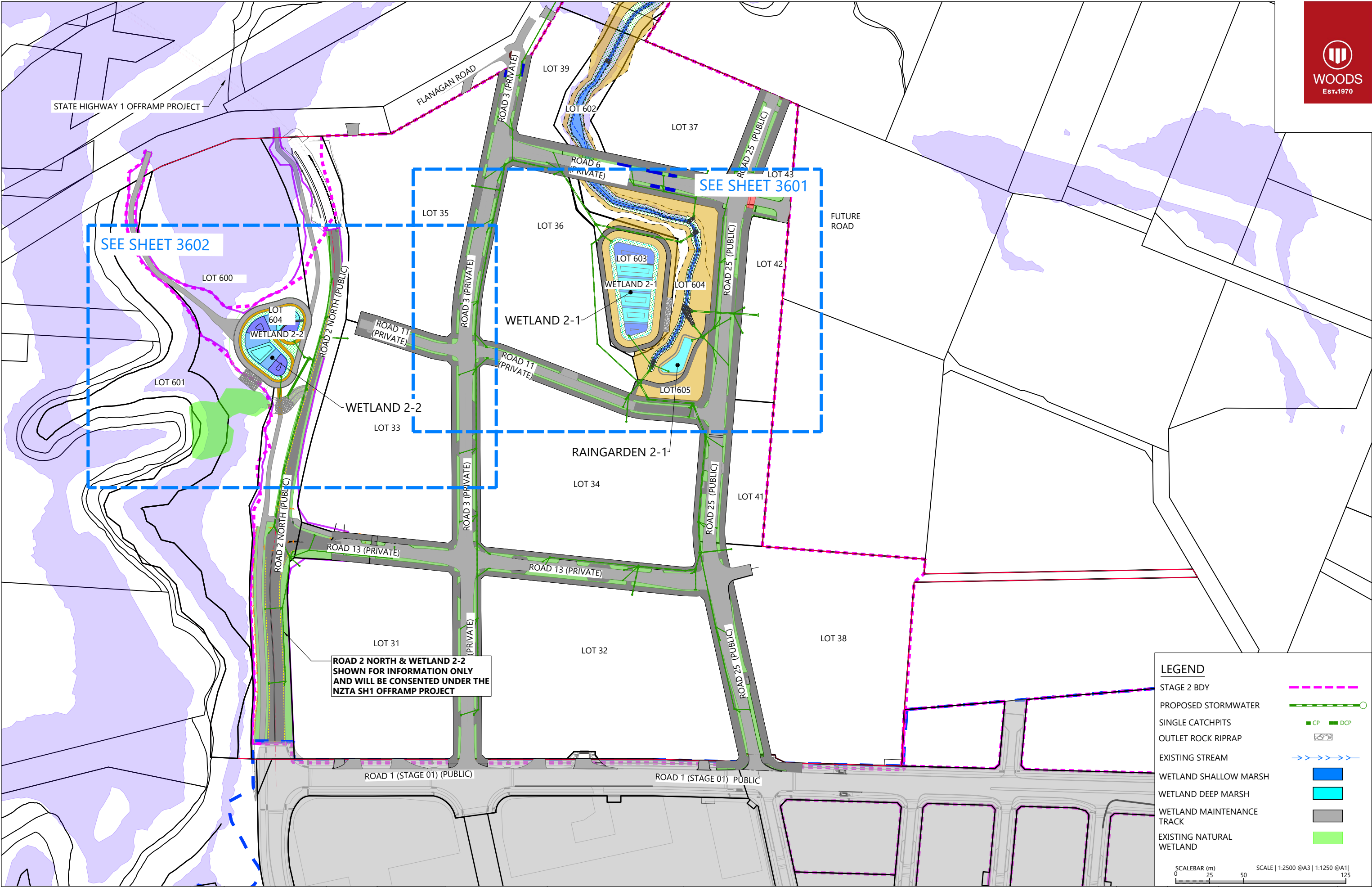


DRURY CENTRE-STAGE 2

STORMWATER LONGSECTION (SHEET 19 OF 19)

STATUS	FOR S67 RESPONSE	REV	
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9	
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-3518-DR		





REVISION DETAILS				
2	FOR 99% SUBMISSION	AC	10/02/2025	DESIGNED AC
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN AC
4	FOR S67 RESPONSE	RO	17/07/25	CHECKED GW
9	FOR S67 RESPONSE	SM	23/07/25	APPROVED CD



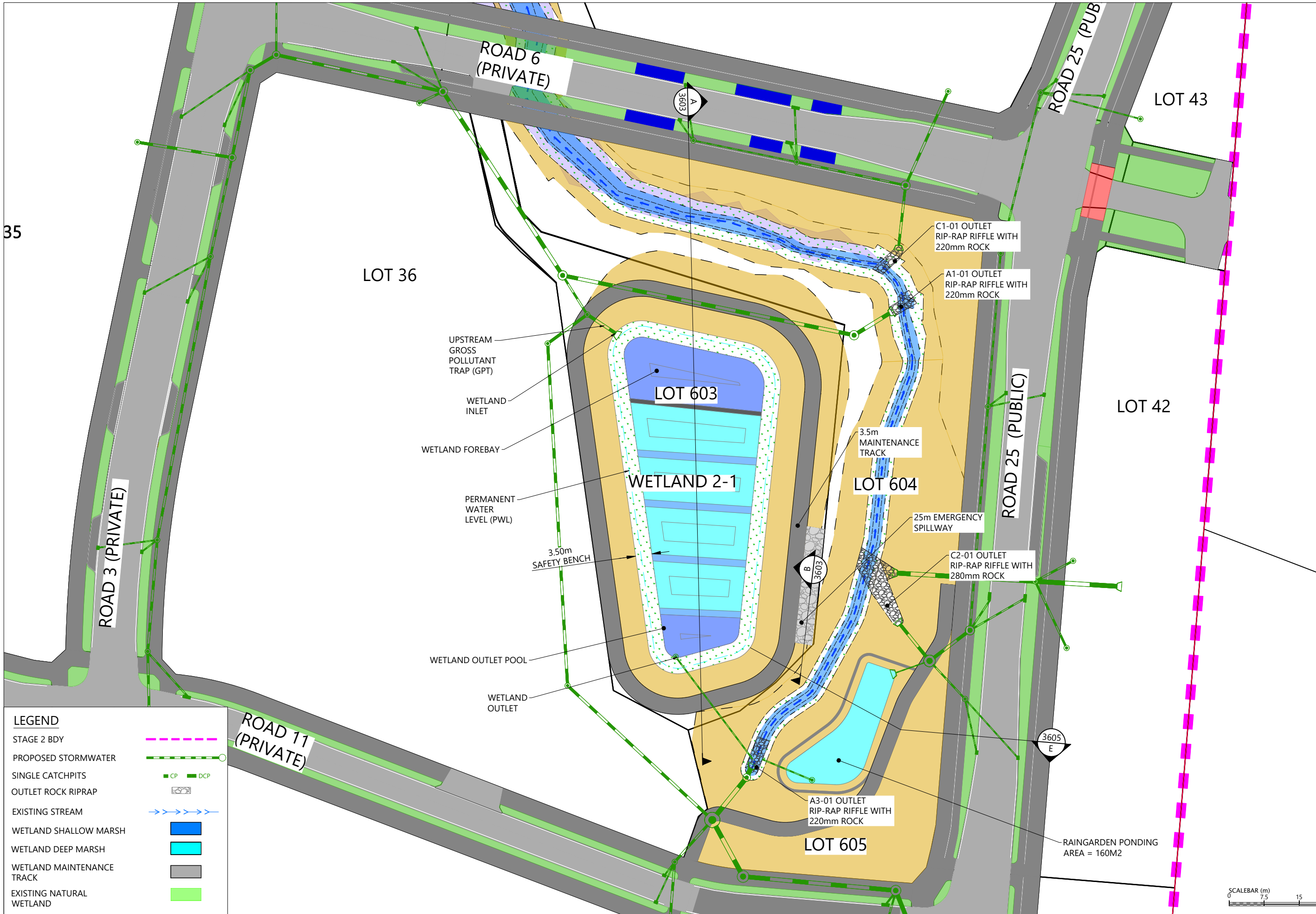
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
[WOODS.CO.NZ](https://www.woods.co.nz)



DRURY CENTRE-STAGE 2
OVERALL WETLANDS LAYOUT PLAN



LEGEND		
STAGE 2 BDY		
PROPOSED STORMWATER		
SINGLE CATCHPITS		
OUTLET ROCK RIPRAP		
EXISTING STREAM		
WETLAND SHALLOW MARSH		
WETLAND DEEP MARSH		
WETLAND MAINTENANCE TRACK		
EXISTING NATURAL WETLAND		
SCALE BAR (m) 0 25 50 125 SCALE 1:2500 @A3 1:1250 @A1		
STATUS	FOR S67 RESPONSE	REV
SCALE	1:2500 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3600-DR	



LEGEND

- STAGE 2 BDY
PROPOSED STORMWATER
SINGLE CATCHPITS
OUTLET ROCK RIPRAP
EXISTING STREAM
WETLAND SHALLOW MARSH
WETLAND DEEP MARSH
WETLAND MAINTENANCE TRACK
EXISTING NATURAL WETLAND
- CP DCP
3.50m SAFETY BENCH
3.50m MAINTENANCE TRACK
25m EMERGENCY SPILLWAY
RAINGARDEN PONDING AREA = 160M2

REVISION DETAILS					INT	DATE	SURVEYED	
2	FOR 99% SUBMISSION	AC	10/02/2025	DESIGNED	AC			
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	AC			
4	FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW			
9	FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD			



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229
WOODS.CO.NZ

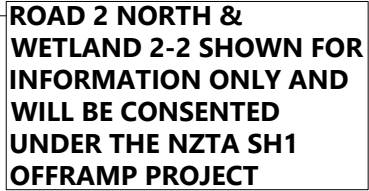


DRURY CENTRE-STAGE 2
WETLAND 2-1 LAYOUT PLAN



SCALEBAR (m)
0 7.5 15
SCALE | 1:750 @A3 | 1:375 @A1 | 37.5

STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3601-DR	



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3602-DR	

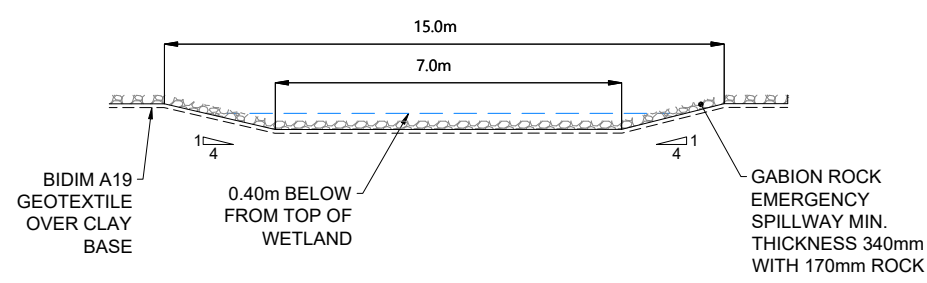
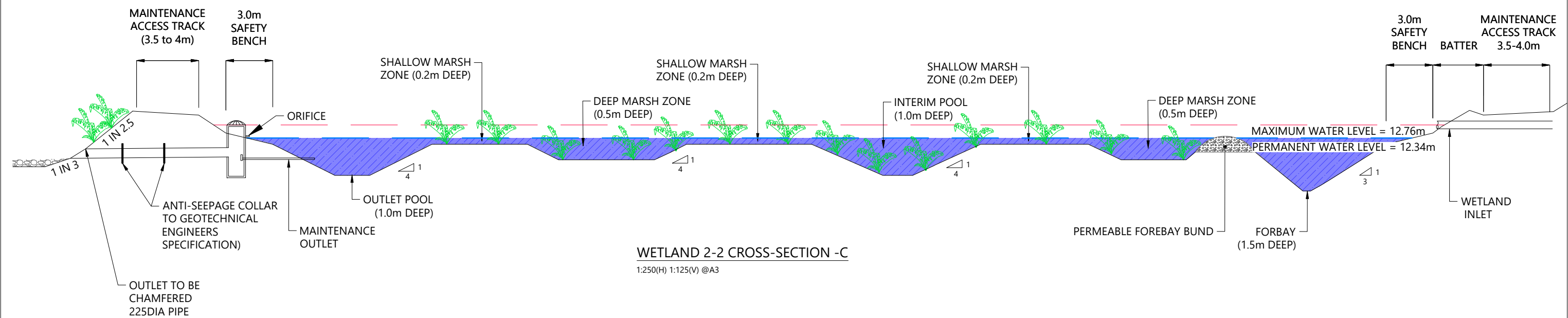
WETLAND 2-1 CROSS-SECTION -A
1:250(H) 1:125(V) @A3

EMERGENCY SPILLWAY CROSS-SECTION-B

NOTES

1. REFER TO SHEET 3601 FOR WETLAND 2-1
OVERALL PLAN.

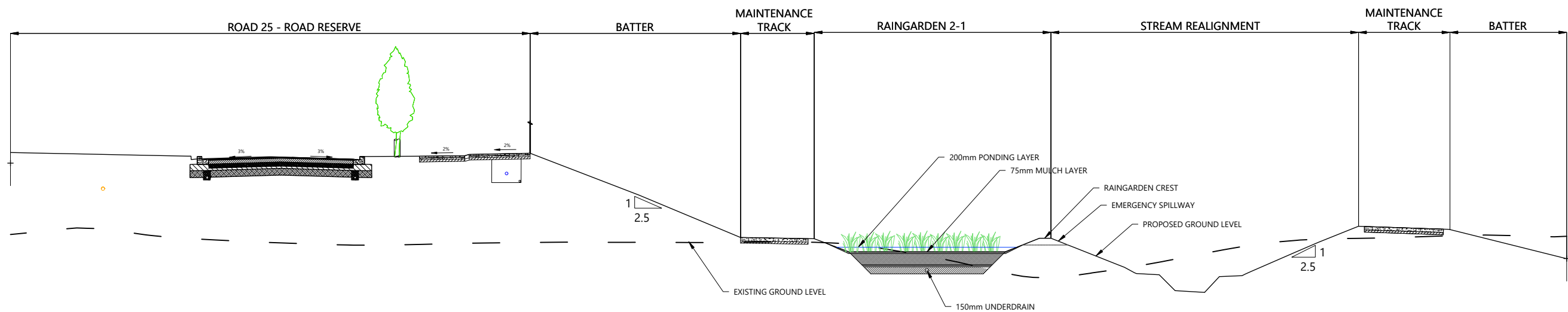
REVISION DETAILS		INT	DATE	SURVEYED			BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2				STATUS	FOR S67 RESPONSE	REV
2	FOR 99% SUBMISSION	AC	10/02/2025	DESIGNED	AC				SCALE	AS SHOWN	9				
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	AC				COUNCIL	AUCKLAND COUNCIL					
4	FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW				DWG NO	P24-447-01-3603-DR					
9	FOR S67 RESPONSE	SM	23/07/25	APPROVED	CD										



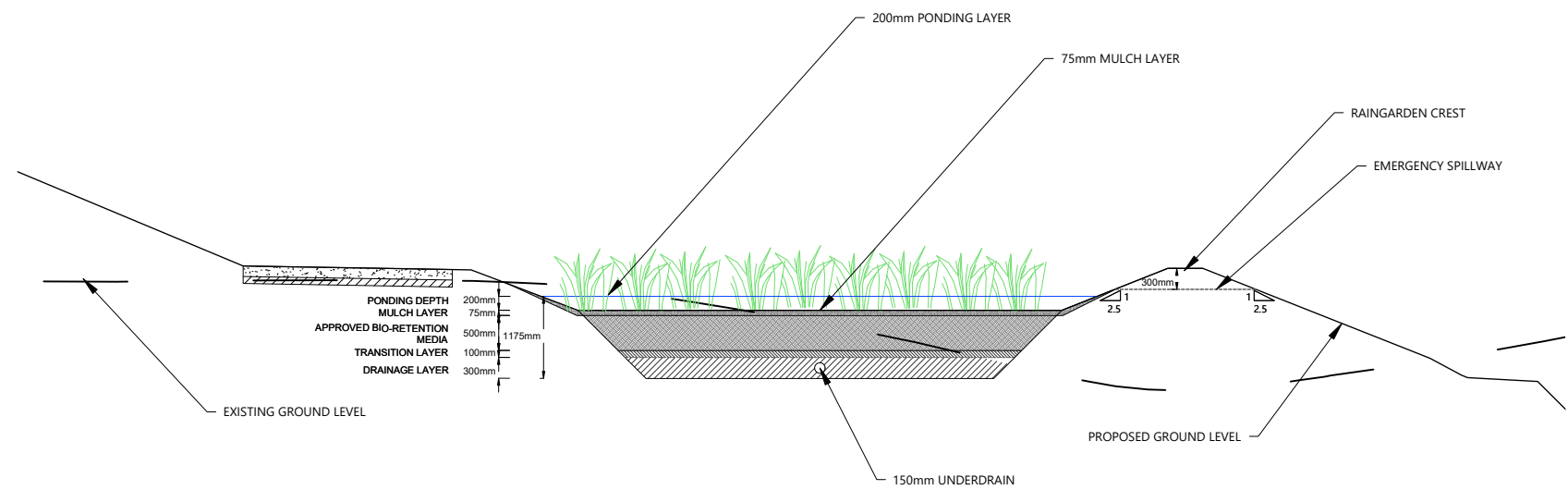
NOTES

1. REFER TO SHEET 3602 FOR WETLAND 2-2 OVERALL PLAN.

REVISION DETAILS						BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2					STATUS			REV		
2	FOR 99% SUBMISSION							AC	10/02/2025	DESIGNED	AC		SCALE		AS SHOWN		9	
3	FOR FAST TRACK CONSENT							EW	21/02/2025	DRAWN	AC		COUNCIL		AUCKLAND COUNCIL			
4	FOR S67 RESPONSE							RO	17/07/25	CHECKED	GW							
9	FOR S67 RESPONSE							SM	23/07/25	APPROVED	CD		DWG NO				P24-447-01-3604-DR	
								WETLAND 2-2 CROSS-SECTION PLAN										



RAINGARDEN 2-1 CROSS-SECTION -E
1:200@A3



RAINGARDEN 2-1 DETAIL
1:100@A3

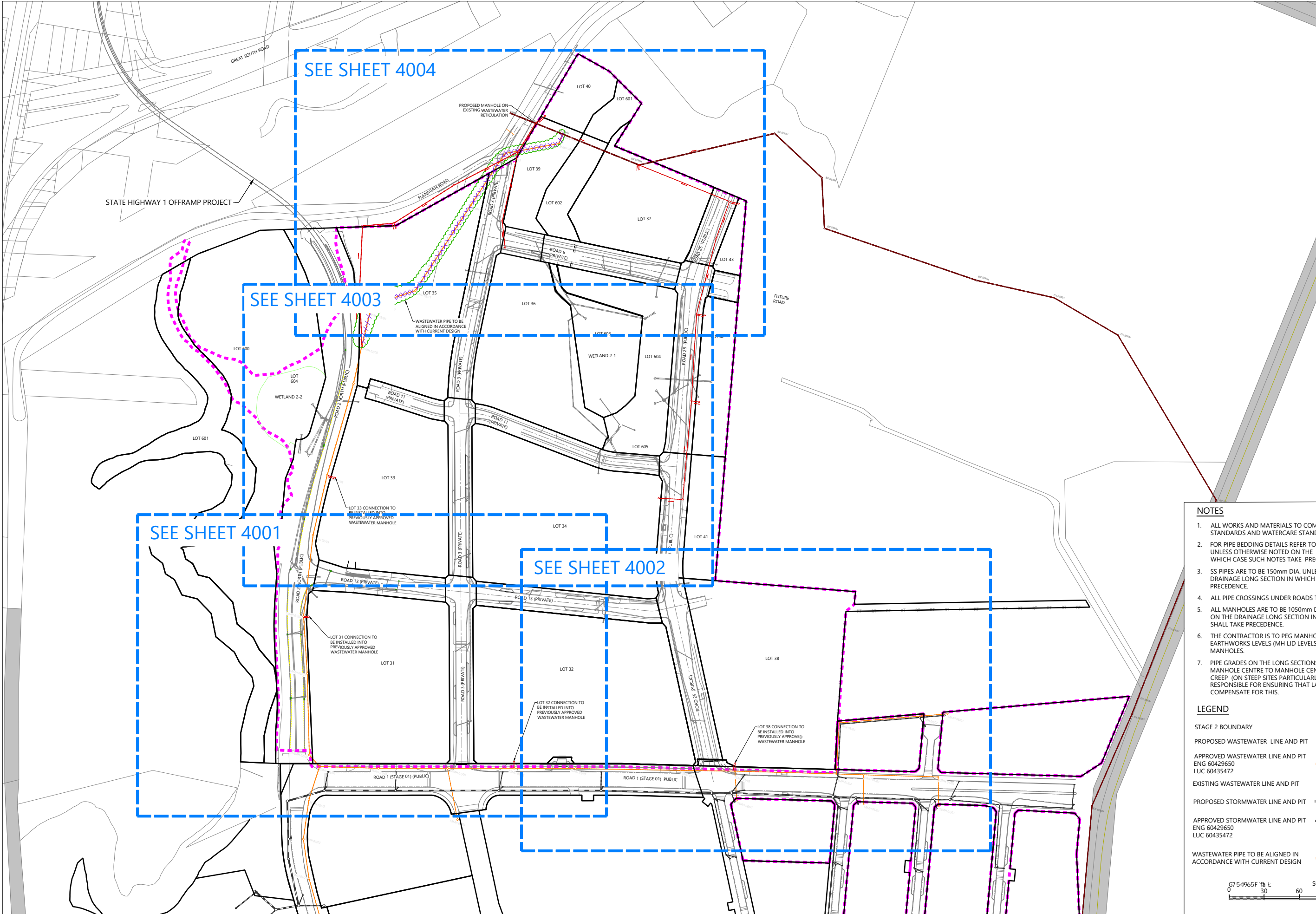
REVISION DETAILS					
2	FOR 99% SUBMISSION	AC	10/02/2025	DESIGNED	
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	
4	FOR S67 RESPONSE	RO	17/07/25	CHECKED	
9	FOR S67 RESPONSE	SM	23/07/25	APPROVED	

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
RAINGARDEN 2-1 CROSS-SECTION-E

STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3605-DR	



NOTES

1. ALL WORKS AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STANDARDS AND WATERCARE STANDARDS.
2. FOR PIPE BEDDING DETAILS REFER TO STANDARD DETAIL SHEETS UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTIONS IN WHICH CASE SUCH NOTES TAKE PRECEDENCE.
3. SS PIPES ARE TO BE 150mm DIA. UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTION IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
4. ALL PIPE CROSSINGS UNDER ROADS TO BE HARDFILL BACKFILLED.
5. ALL MANHOLES ARE TO BE 1050mm DIA. UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTION IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
6. THE CONTRACTOR IS TO PEG MANHOLES AND CHECK FINISHED EARTHWORKS LEVELS (MH LID LEVELS) PRIOR TO ORDERING MANHOLES.
7. PIPE GRADES ON THE LONG SECTIONS ARE CALCULATED FROM MANHOLE CENTRE TO MANHOLE CENTRE. THIS MAY RESULT IN CREEP (ON STEEP SITES PARTICULARLY) AND THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT LASER LEVELS ARE SET TO COMPENSATE FOR THIS.

LEGEND

- STAGE 2 BOUNDARY
- PROPOSED WASTEWATER LINE AND PIT
- APPROVED WASTEWATER LINE AND PIT
ENG 60429650
LUC 60435472
- EXISTING WASTEWATER LINE AND PIT
- PROPOSED STORMWATER LINE AND PIT
- APPROVED STORMWATER LINE AND PIT
ENG 60429650
LUC 60435472
- WASTEWATER PIPE TO BE ALIGNED IN ACCORDANCE WITH CURRENT DESIGN

G75@965F fb t SCALE | 1:3000 @A3 | 1:1500 @A1 | 150

REVISION DETAILS	INT	DATE	SURVEYED	
3 ISSUED FOR 99% SUBMISSION	EW	10/02/2025	DESIGNED	EW
4 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	EW
5 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW
9 FOR S67 RESPONSE	EW	23/07/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
OVERALL WASTEWATER LAYOUT PLAN

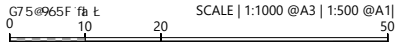


STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4000-DR	

NOTE:
1. FOR GENERAL NOTES REFER TO DRAWING P24-447-01-4000-DR

LEGEND

- STAGE 2 BOUNDARY
- PROPOSED WASTEWATER LINE AND PIT
- APPROVED WASTEWATER LINE
ENG 60429650
LUC 60435472
- EXISTING WASTEWATER LINE
- PROPOSED STORMWATER LINE AND PIT
- APPROVED STORMWATER LINE
ENG 60429650
LUC 60435472
- WASTEWATER PIPE TO BE ALIGNED IN ACCORDANCE WITH CURRENT DESIGN



BE INSTALLED INTO
PREVIOUSLY APPROVED
WASTEWATER MANHOLE

LOT 34



ROAD 3 (PRIVATE)

ROAD 13 (PRIVATE)

ROAD 13 (PRIVATE)

ROAD 2 NORTH (PUBLIC)

LOT 31 CONNECTION TO
BE INSTALLED INTO
PREVIOUSLY APPROVED
WASTEWATER MANHOLE

LOT 31

LOT 32

LOT 32 CONNECTION TO
BE INSTALLED INTO
PREVIOUSLY APPROVED
WASTEWATER MANHOLE

ROAD 3 (PRIVATE)

ROAD 1 (STAGE 01) (PUBLIC)

REVISION DETAILS	INT	DATE	SURVEYED	
3 ISSUED FOR 99% SUBMISSION	EW	10/02/2025	DESIGNED	EW
4 FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	EW
5 FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW
9 FOR S67 RESPONSE	EW	23/07/25	APPROVED	CD



BUILDING B, LEVEL 1
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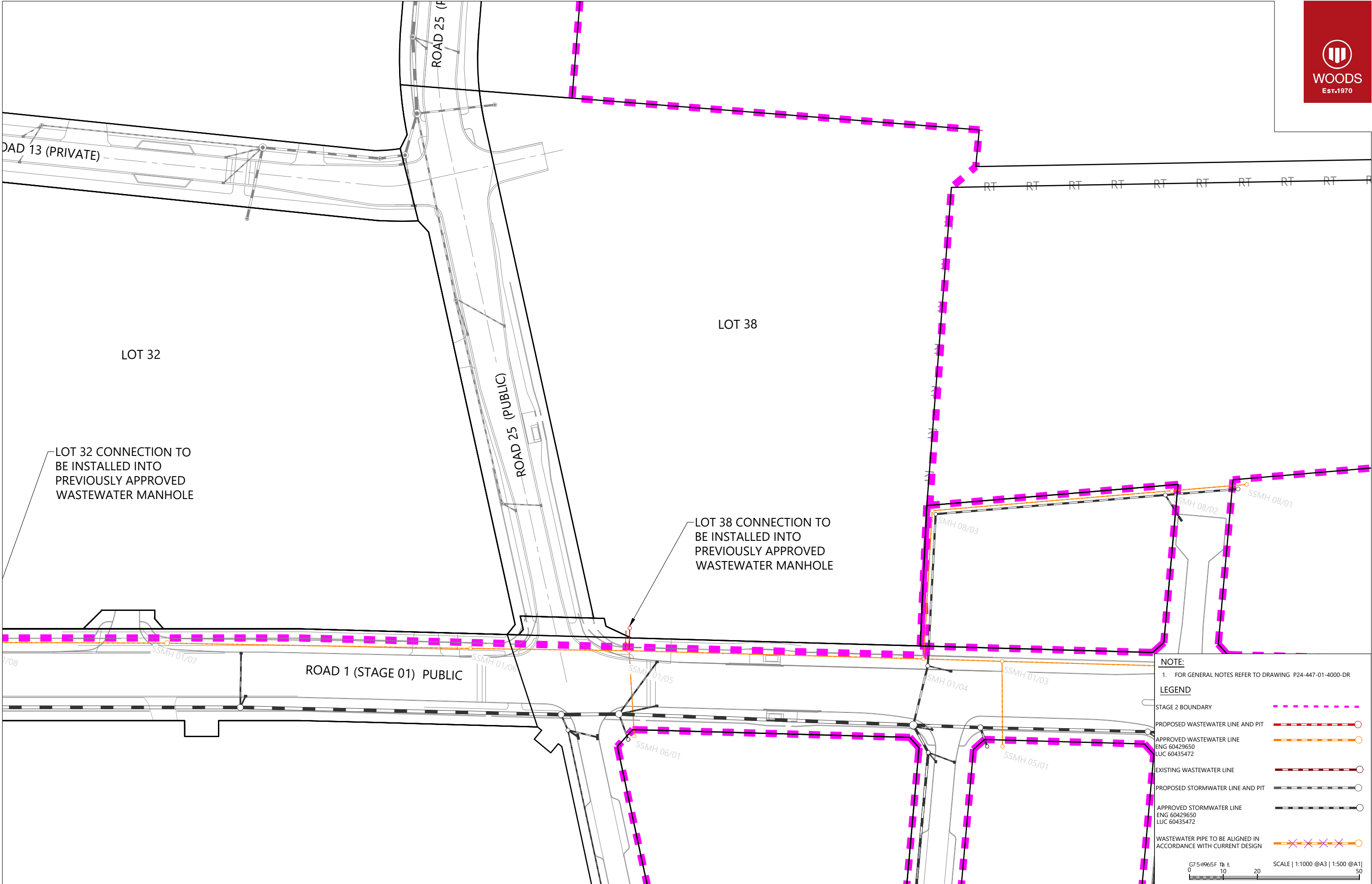


DRURY CENTRE-STAGE 2
WASTEWATER LAYOUT PLAN (SHEET 1 OF 4)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4001-DR	

Plot Date: 10:20:31 am,23 July 2025, ELAWA
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REVISION DETAILS					INT	DATE	SURVEYED	
3	ISSUED FOR 99% SUBMISSION				EW	10/02/2025	DESIGNED	EW
4	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	EW
5	FOR S67 RESPONSE				RO	17/07/25	CHECKED	GW
9	FOR S67 RESPONSE				EW	23/07/25	APPROVED	CD



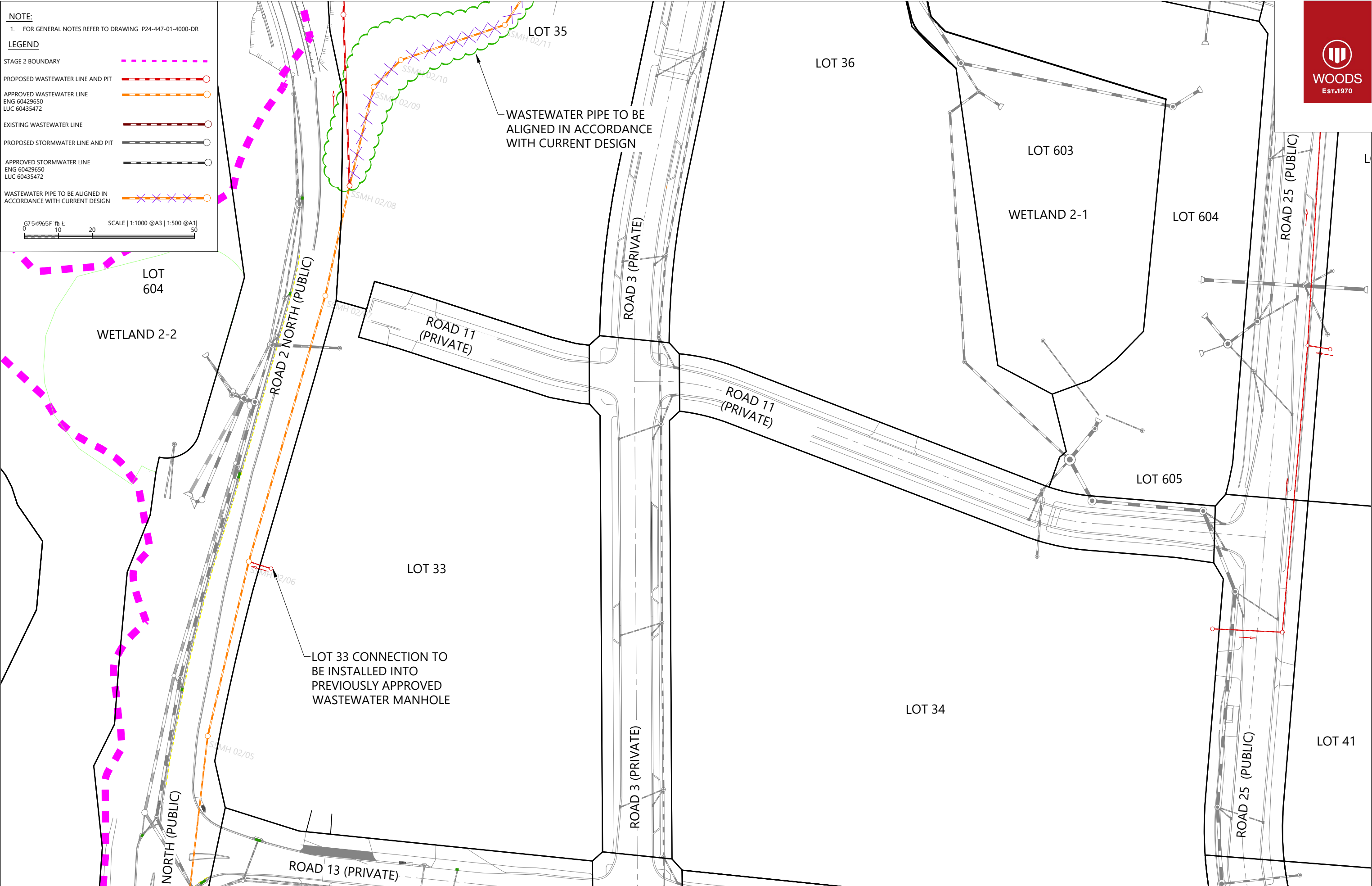
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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+64 9 308 9229
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DRURY CENTRE-STAGE 2
WASTEWATER LAYOUT PLAN (SHEET 2 OF 4)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4002-DR	



REVISION DETAILS					INT	DATE	SURVEYED	
3	ISSUED FOR 99% SUBMISSION	EW	10/02/2025	DESIGNED	EW			
4	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	EW			
5	FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW			
9	FOR S67 RESPONSE	EW	23/07/25	APPROVED	CD			

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
WASTEWATER LAYOUT PLAN (SHEET 3 OF 4)

	STATUS	FOR S67 RESPONSE	REV
	SCALE	1:1000 @ A3	9
	COUNCIL	AUCKLAND COUNCIL	
	DWG NO	P24-447-01-4003-DR	



NOTE:

1. FOR GENERAL NOTES REFER TO DRAWING P24-447-01-4000-DR

LEGEND

STAGE 2 BOUNDARY

PROPOSED WASTEWATER LINE AND PIT

APPROVED WASTEWATER LINE
ENG 60429650
LUC 60435472

EXISTING WASTEWATER LINE

PROPOSED STORMWATER LINE AND PIT

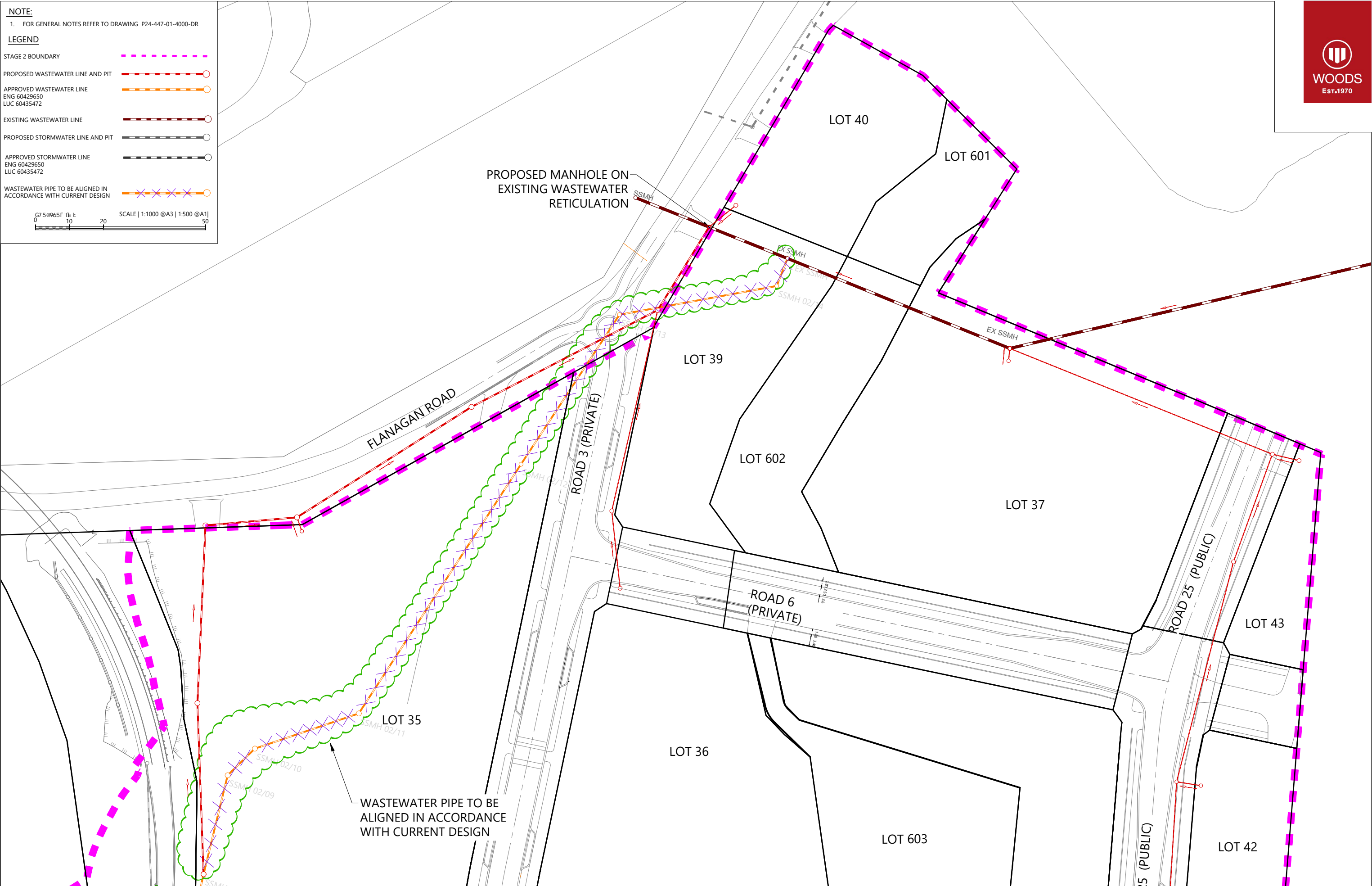
APPROVED STORMWATER LINE
ENG 60429650
LUC 60435472

WASTEWATER PIPE TO BE ALIGNED IN ACCORDANCE WITH CURRENT DESIGN

G7.5 @ 965F

0 10 20 50

SCALE | 1:1000 @A3 | 1:500 @A1



REVISION DETAILS					INT	DATE	SURVEYED	
3	ISSUED FOR 99% SUBMISSION	EW	10/02/2025	DESIGNED	EW			
4	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN	EW			
5	FOR S67 RESPONSE	RO	17/07/25	CHECKED	GW			
9	FOR S67 RESPONSE	EW	23/07/25	APPROVED	CD			

BUILDING B, LEVEL 1
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DRURY CENTRE-STAGE 2

WASTEWATER LAYOUT PLAN (SHEET 4 OF 4)

STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4004-DR	

Plot Date: 10:20:32 am,23 July 2025, ELLAWA

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- NOTES:
- 1) PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
 - 2) WHERE MINIMUM VERTICAL CLEARANCE AS PER WASTEWATER CODE OF PRACTICE TABLE 5.6 IS NOT ACHIEVED, HARDFILL BACKFILL MUST BE USED BETWEEN THE CLASHES.
 - 3) LANDING PLATFORMS TO BE GALVANISED STEEL WEBFORCE GRATING PLATFORM WITH OPENING HATCH AS PER WATERCARE DRAWING #2000244.015
 - 4) MANHOLES OVER 1200mmØ TO HAVE GALVANISED LADDERS FOR ACCESS

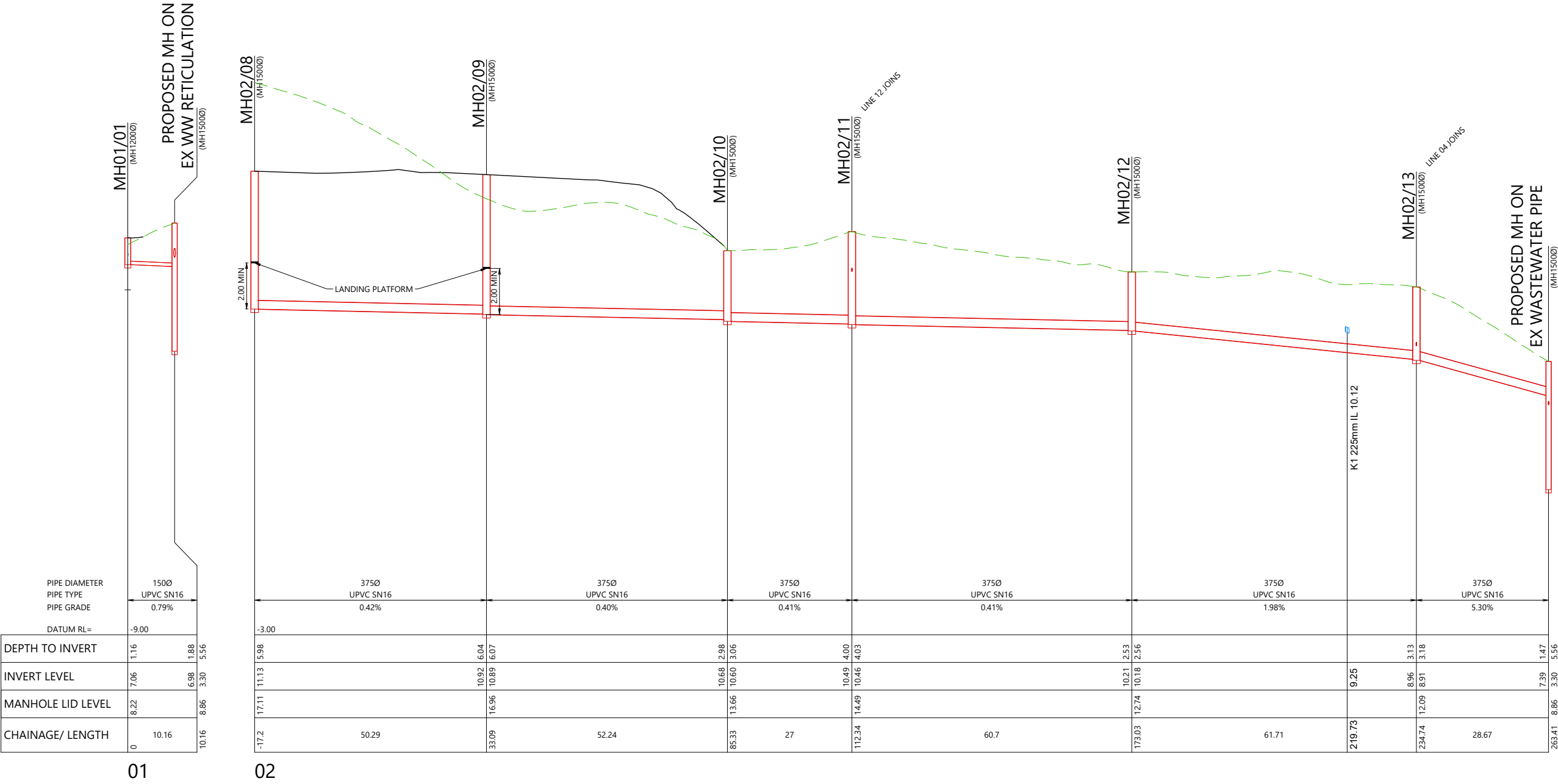
LEGEND:

EXISTING SURFACE

PROPOSED SURFACE

STORMWATER PIPE

HARDFILL BACKFILL



REVISION DETAILS					INT	DATE	SURVEYED			BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ		DRURY CENTRE-STAGE 2				STATUS		FOR S67 RESPONSE	REV
2	FOR THE 99% SUBMISSION				EW	10/02/2025	DESIGNED	EW				WASTEWATER LONGSECTION (SHEET 1 OF 4)				SCALE	H 1:1000 @ A3 V 1:200 @ A3		9
3	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	EW								COUNCIL	AUCKLAND COUNCIL		
4	FOR S67 RESPONSE				RO	17/07/25	CHECKED	JK								DWG NO	P24-447-01-4500-DR		
9	FOR S67 RESPONSE				EW	23/07/25	APPROVED	GW											

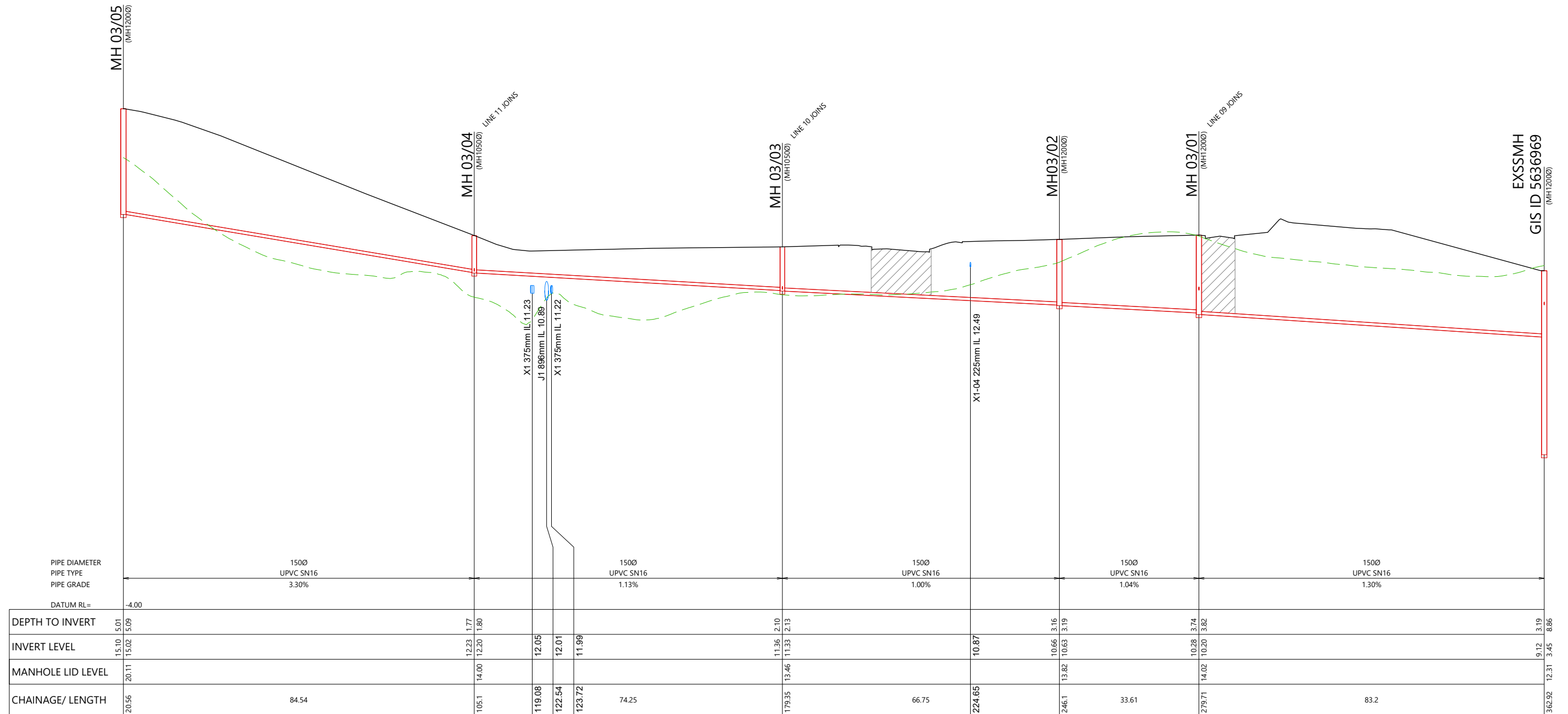


BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229



- 1) PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
- 2) WHERE MINIMUM VERTICAL CLEARANCE AS PER WASTEWATER CODE OF PRACTICE TABLE 5.6 IS NOT ACHIEVED, HARDFILL BACKFILL MUST BE USED BETWEEN THE CLASHES.
- 3) LANDING PLATFORMS TO BE GALVANISED STEEL WEBFORCE GRATING PLATFORM WITH OPENING HATCH AS PER WATERCARE DRAWING #2000244.015
- 4) MANHOLES OVER 1200mmØ TO HAVE GALVANISED LADDERS FOR ACCESS

EXISTING SURFACE
PROPOSED SURFACE
STORMWATER PIPE
HARDFILL BACKFILL



03

REVISION DETAILS		INT	DATE	SURVEYED	 <div> BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229 WOODS.CO.NZ </div> 	<div>DRURY CENTRE-STAGE 2</div> <div>WASTEWATER LONGSECTION (SHEET 2 OF 4)</div>		STATUS		FOR S67 RESPONSE	REV
2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED				EW	SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN				EW	COUNCIL	AUCKLAND COUNCIL	
4	FOR S67 RESPONSE	RO	17/07/25	CHECKED				JK	DWG NO	P24-447-01-4501-DR	
9	FOR S67 RESPONSE	EW	23/07/25	APPROVED				GW			

Plot Date: 10:20:33 am 23 July 2025, ELLAWA
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- NOTES:
- 1) PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
 - 2) WHERE MINIMUM VERTICAL CLEARANCE AS PER WASTEWATER CODE OF PRACTICE TABLE 5.6 IS NOT ACHIEVED, HARDFILL BACKFILL MUST BE USED BETWEEN THE CLASHES.
 - 3) LANDING PLATFORMS TO BE GALVANISED STEEL WEBFORCE GRATING PLATFORM WITH OPENING HATCH AS PER WATERCARE DRAWING #2000244.015
 - 4) MANHOLES OVER 1200mmØ TO HAVE GALVANISED LADDERS FOR ACCESS

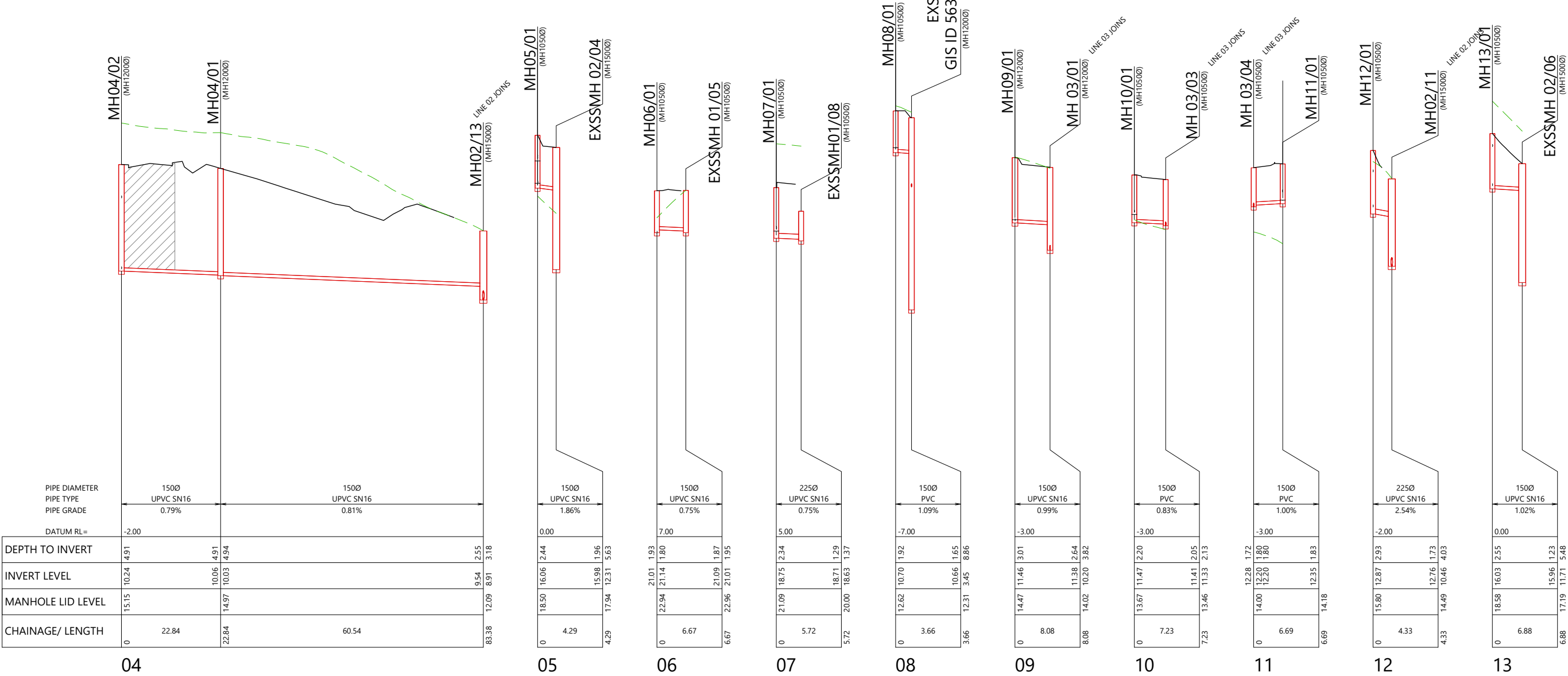
LEGEND:

EXISTING SURFACE

PROPOSED SURFACE

STORMWATER PIPE

HARDFILL BACKFILL



REVISION DETAILS				
2	FOR THE 99% SUBMISSION	EW	10/02/2025	DESIGNED EW
3	FOR FAST TRACK CONSENT	EW	21/02/2025	DRAWN EW
4	FOR S67 RESPONSE	RO	17/07/25	CHECKED JK
9	FOR S67 RESPONSE	EW	23/07/25	APPROVED GW

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
WASTEWATER LONGSECTION (SHEET 3 OF 4)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	9
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4502-DR	

- NOTES:
- 1) PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
 - 2) WHERE MINIMUM VERTICAL CLEARANCE AS PER WASTEWATER CODE OF PRACTICE TABLE 5.6 IS NOT ACHIEVED, HARDFILL BACKFILL MUST BE USED BETWEEN THE CLASHES.
 - 3) LANDING PLATFORMS TO BE GALVANISED STEEL WEBFORCE GRATING PLATFORM WITH OPENING HATCH AS PER WATERCARE DRAWING #2000244.015
 - 4) MANHOLES OVER 1200mmØ TO HAVE GALVANISED LADDERS FOR ACCESS

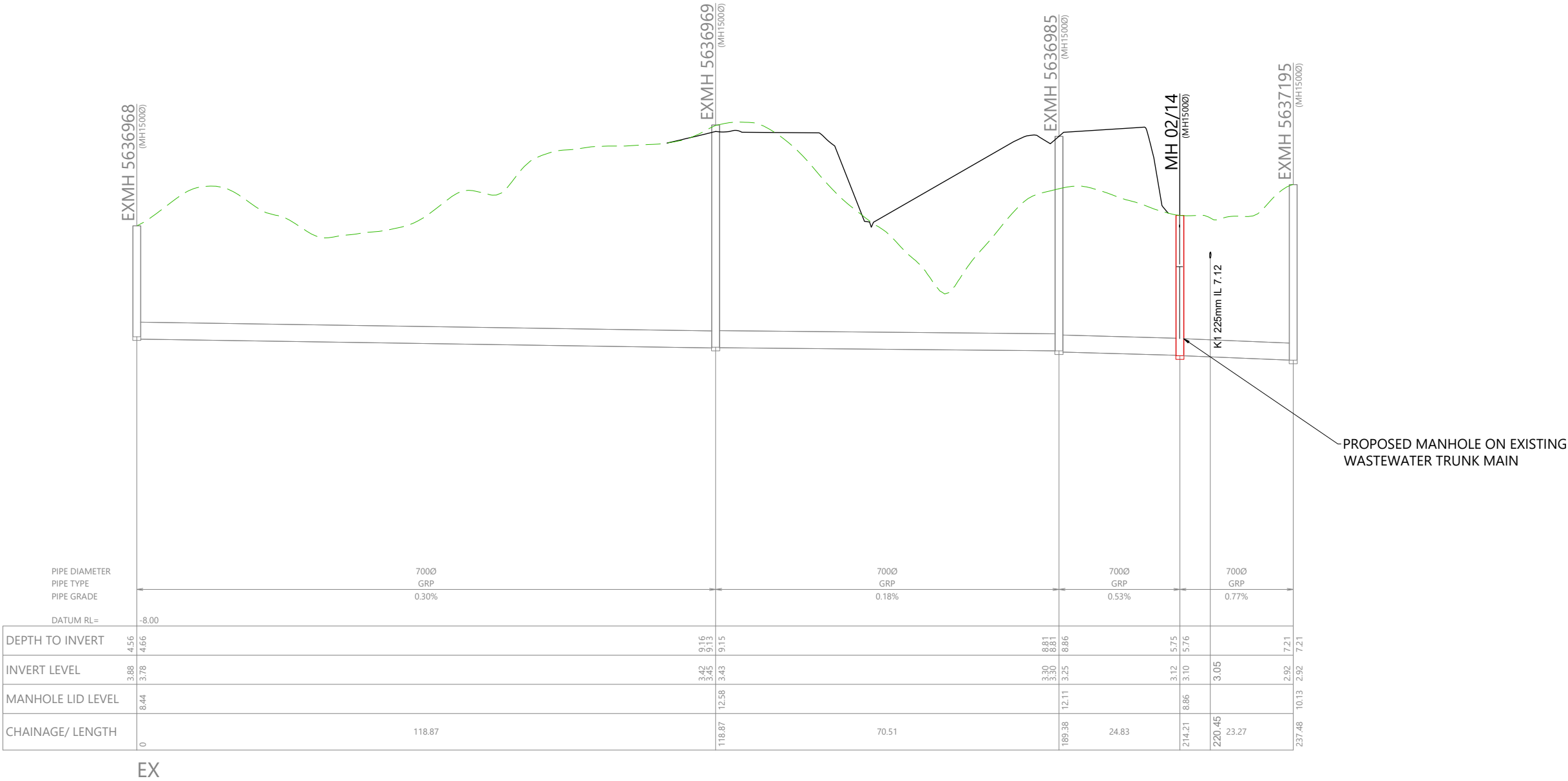
LEGEND:

EXISTING SURFACE

PROPOSED SURFACE

STORMWATER PIPE

HARDFILL BACKFILL



REVISION DETAILS					INT	DATE	SURVEYED			<div><div></div><div></div></div> <div>BUILDING B, LEVEL 1 8 NUGENT ST, GRAFTON, AUCKLAND 1023 +64 9 308 9229</div> <div>WOODS.CO.NZ</div>		DRURY CENTRE-STAGE 2										STATUS			FOR S67 RESPONSE			REV		
2	FOR THE 99% SUBMISSION				EW	10/02/2025	DESIGNED	EW				WASTEWATER LONGSECTION (SHEET 4 OF 4)										SCALE			H 1:1000 @ A3 V 1:200 @ A3			9		
3	FOR FAST TRACK CONSENT				EW	21/02/2025	DRAWN	EW														COUNCIL			AUCKLAND COUNCIL					
4	FOR S67 RESPONSE				RO	17/07/25	CHECKED	JK														DWG NO			P24-447-01-4503-DR					
9	FOR S67 RESPONSE				EW	23/07/25	APPROVED	GW																						