

SECTION 3 - KEY RETAIL STREET (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 KC0007 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	
7 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	EW
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	EW
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	APPROVED	GW

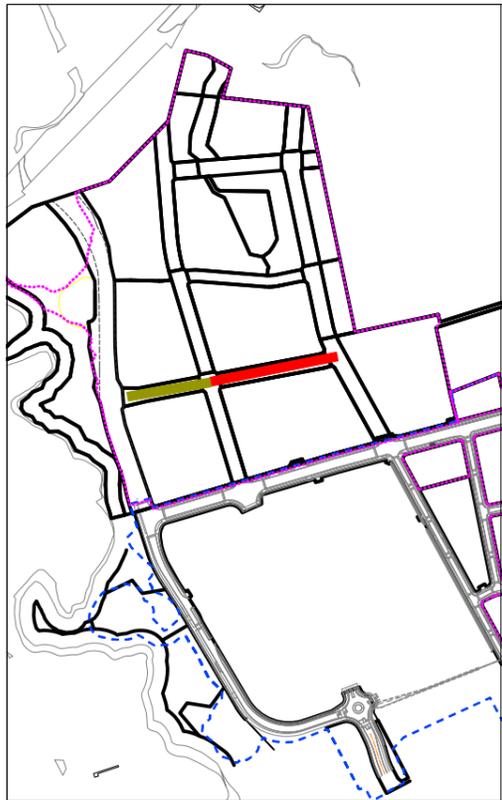


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DRURY CENTRE-STAGE 2
TYPICAL ROAD CROSS SECTION - (SHEET 2 OF 5)

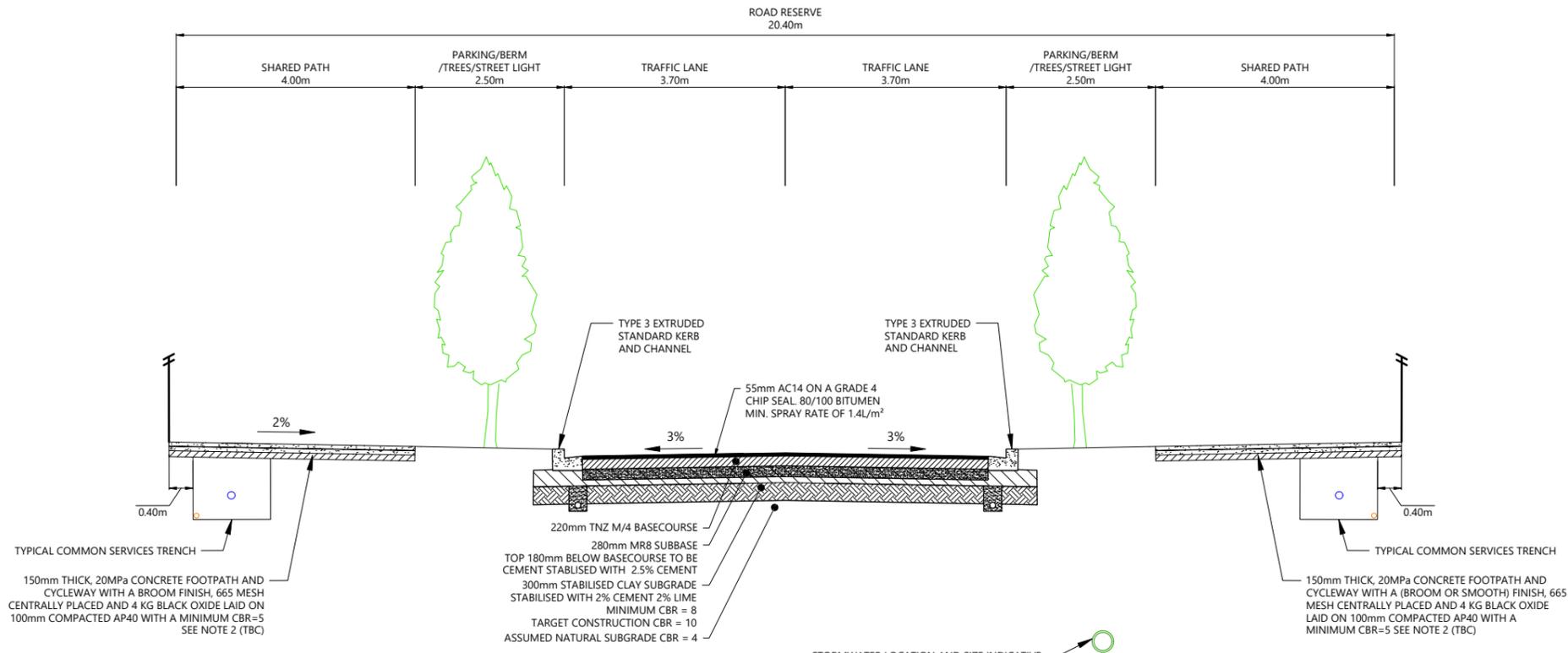
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COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2201-RD	



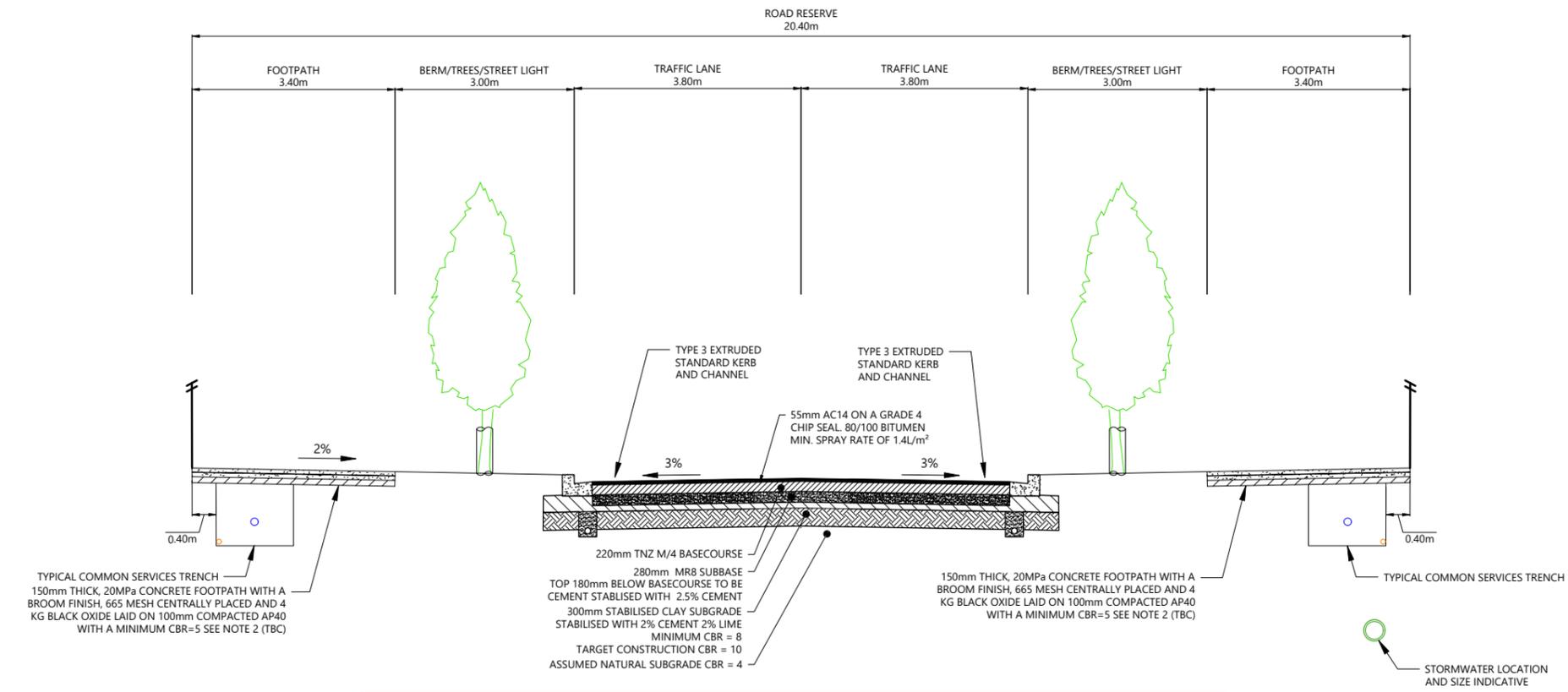
LEGEND:

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:**
- AUCKLAND TRANSPORT APPROVED ASPHALT MIXES ARE TO BE USED
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SECTION 4 - PRIVATE COMMERCIAL ROAD 13 WEST (PRIVATE)



SECTION 5 - PRIVATE COMMERCIAL ROAD 13 EAST (PRIVATE)

REVISION DETAILS	INT	DATE	SURVEYED	
7 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	EW
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	EW
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	APPROVED	GW

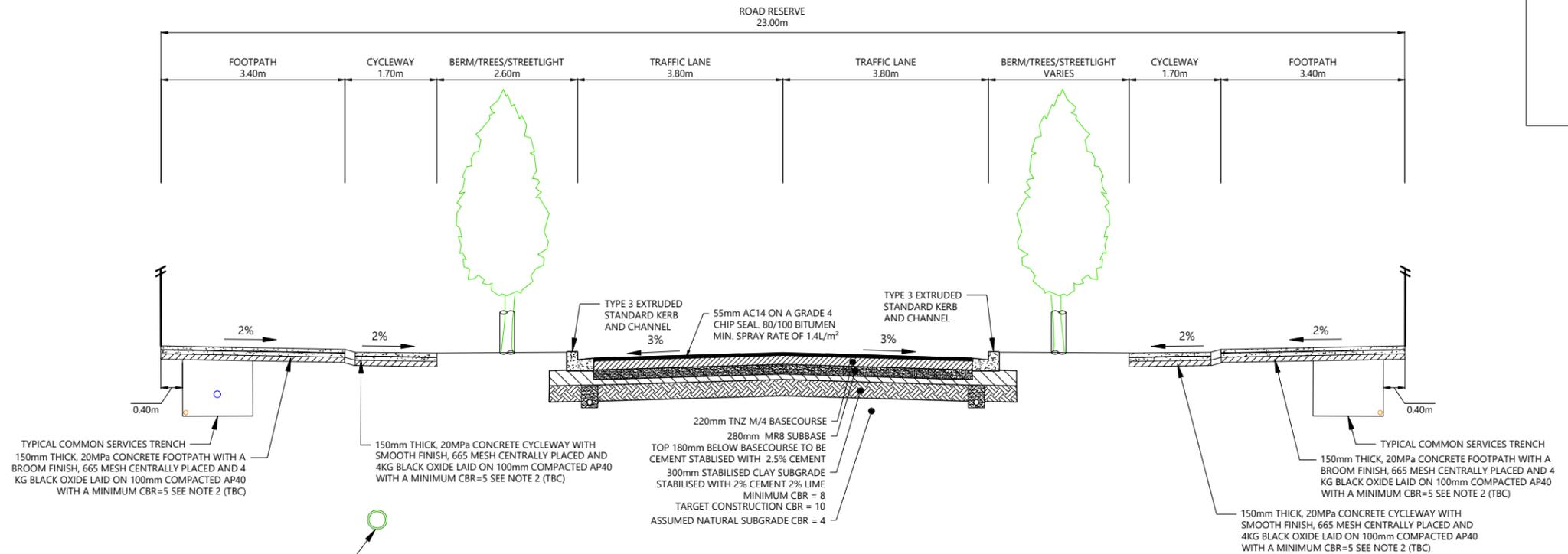


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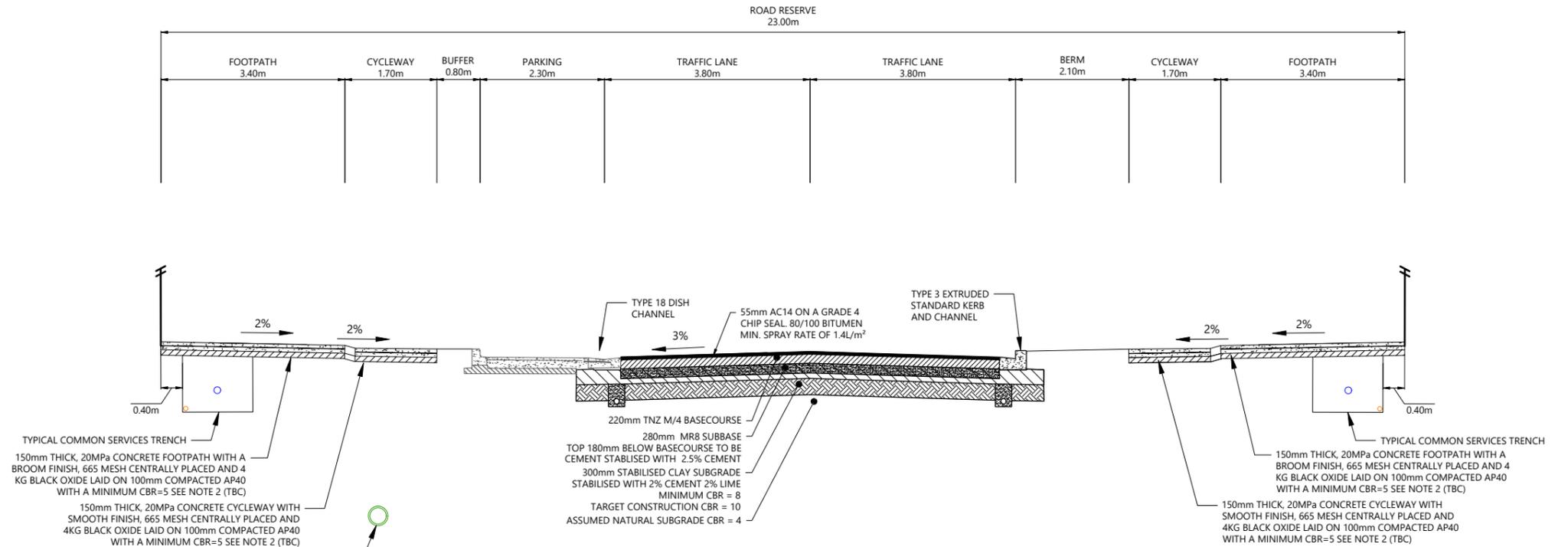


DRURY CENTRE-STAGE 2
 TYPICAL ROAD CROSS SECTION - (SHEET 3 OF 5)

STATUS	FOR S67 RESPONSE	REV
SCALE	1:100 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2202-RD	



SECTION 6 - PUBLIC COLLECTOR ROAD (BUS ROUTE)



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

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:**
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11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	APPROVED	GW			



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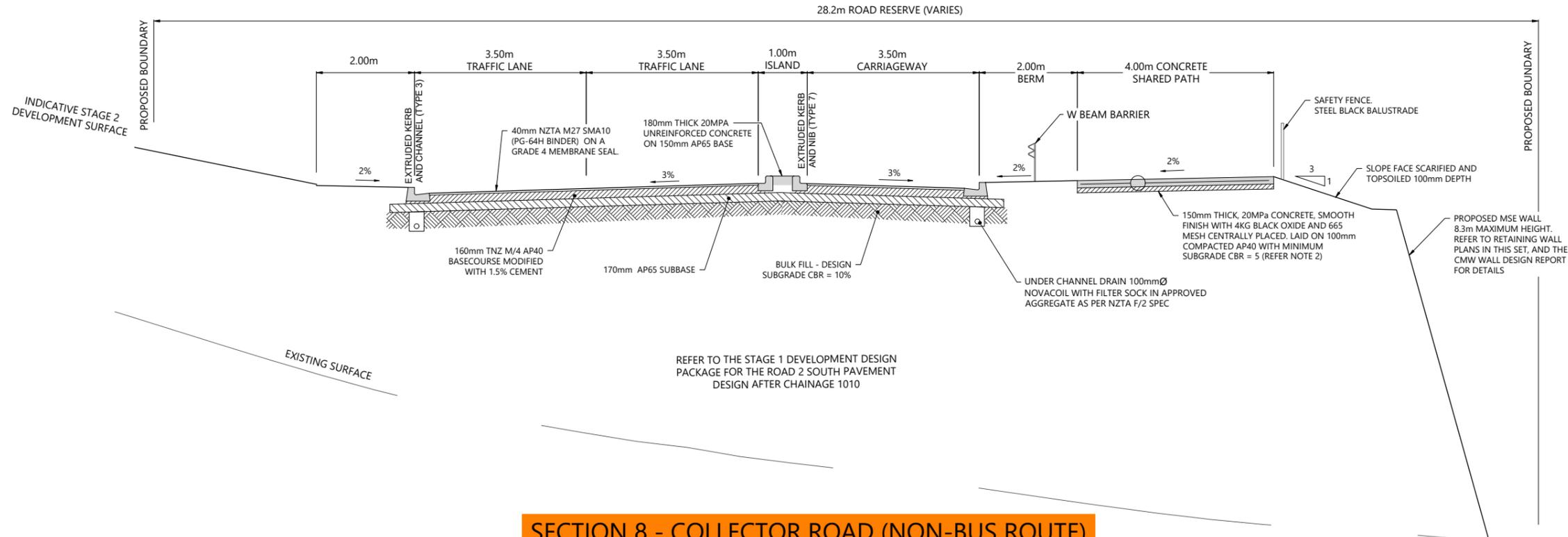


DRURY CENTRE-STAGE 2
 TYPICAL ROAD CROSS SECTION - (SHEET 4 OF 5)

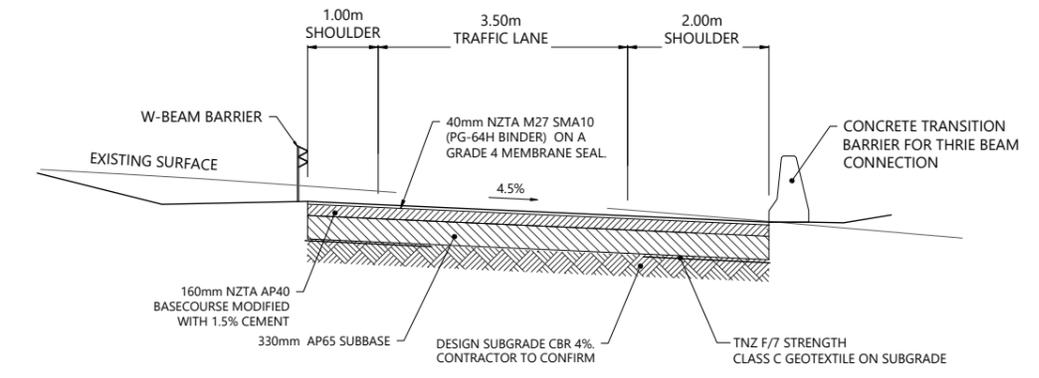
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SCALE	1:100 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2203-RD	

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:

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	

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9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	EW			
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW			
11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	APPROVED	GW			

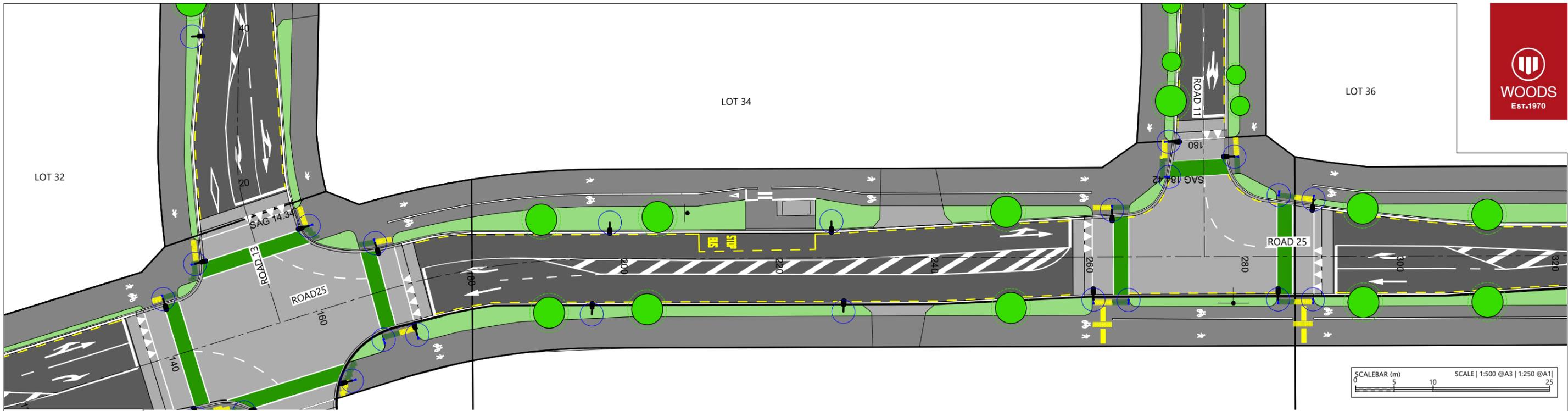


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DRURY CENTRE-STAGE 2
TYPICAL ROAD CROSS SECTION - (SHEET 5 OF 5)

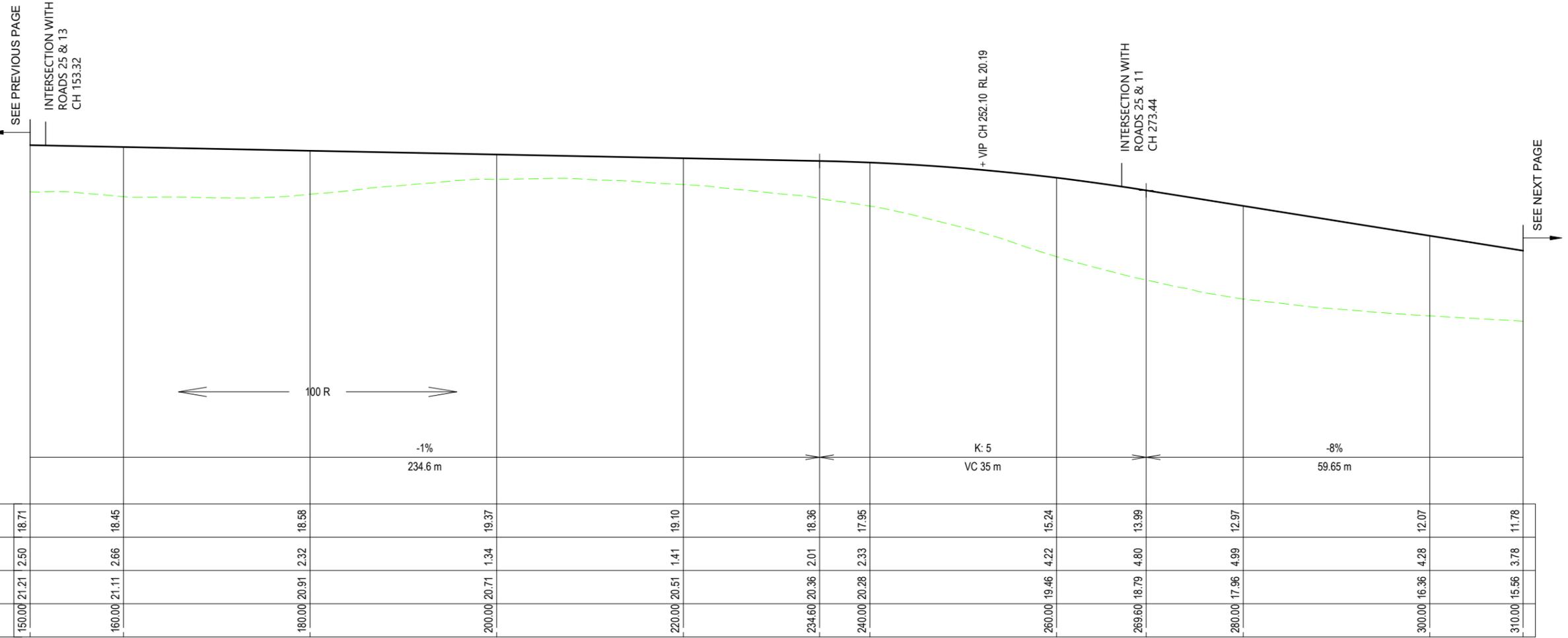
STATUS	FOR S67 RESPONSE	REV	
SCALE	1:100 @ A3		11
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-2204-RD		



LEGEND

EXISTING GROUND LEVEL

PROPOSED FINISHED ROAD LEVEL



DATUM R.L. = 2.00

EXISTING SURFACE	18.71	18.45	18.58	19.37	19.10	18.36	17.95	15.24	13.99	12.97	12.07	11.78
CUT / FILL DEPTH	2.50	2.66	2.32	1.34	1.41	2.01	2.33	4.22	4.80	4.99	4.28	3.78
CL DESIGN LEVELS	21.21	21.11	20.91	20.71	20.51	20.36	20.28	19.46	18.79	17.96	16.36	15.56
CHAINAGE	150.00	160.00	180.00	200.00	220.00	234.60	240.00	260.00	269.60	280.00	300.00	310.00

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

REVISION DETAILS	INT	DATE	SURVEYED	DESIGNED	DRAWN	CHECKED	APPROVED
5 ISSUED FOR S67 RESPONSE	SM	17/07/25	JK	JK	NS	GW	CD
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	JK	JK	NS	GW	CD
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	JK	JK	NS	GW	CD
11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	JK	JK	NS	GW	CD



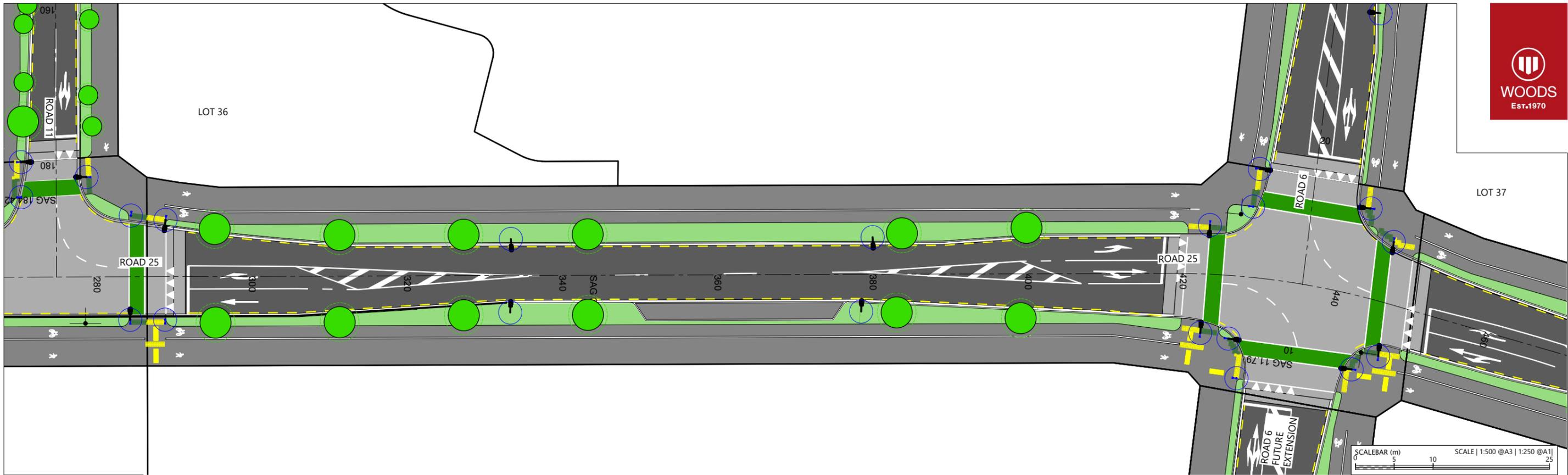
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DRURY CENTRE-STAGE 2
 ROAD 25 - (CH150.0-CH310.0) LONGITUDINAL SECTION



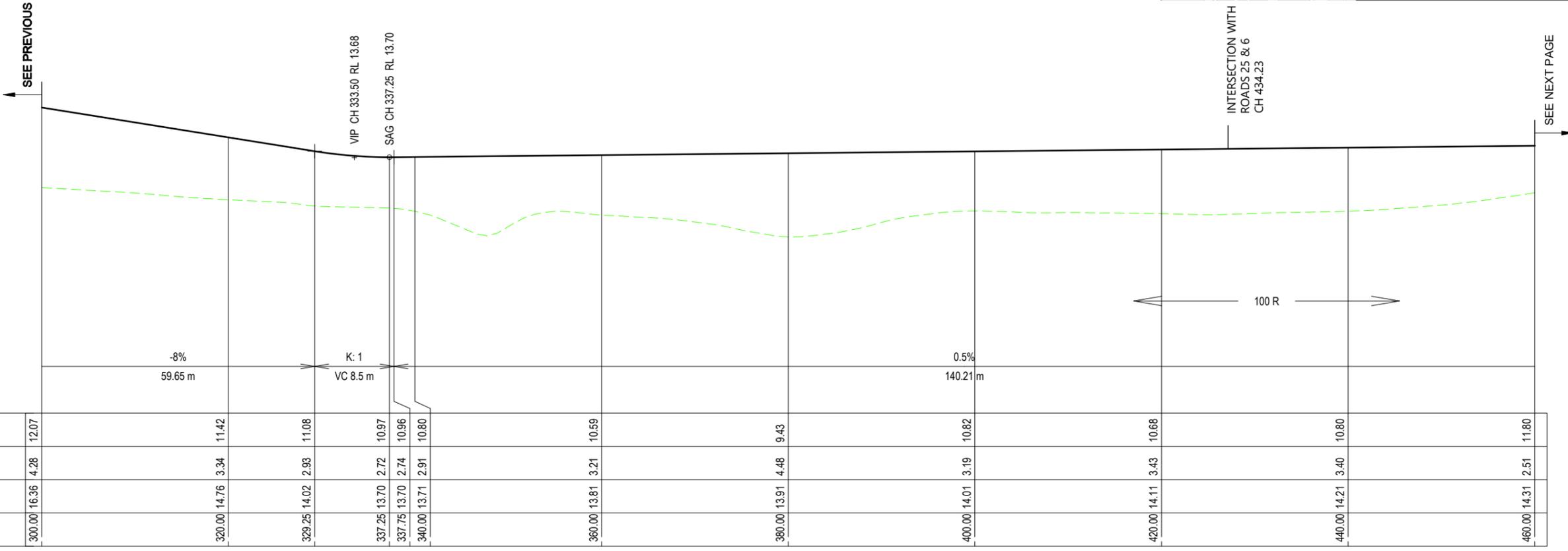
STATUS	FOR S67 RESPONSE	REV	11
SCALE	AS SHOWN		
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-2501-RD		



LEGEND

EXISTING GROUND LEVEL ---

PROPOSED FINISHED ROAD LEVEL ---



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

CHAINAGE	300.00	320.00	329.25	337.25	337.75	340.00	360.00	380.00	400.00	420.00	440.00	460.00
EXISTING SURFACE	12.07	11.42	11.08	10.97	10.96	10.80	10.59	9.43	10.82	10.68	10.80	11.80
CUT / FILL DEPTH	4.28	3.34	2.93	2.72	2.74	2.91	3.21	4.48	3.19	3.43	3.40	2.51
CL DESIGN LEVELS	16.36	14.76	14.02	13.70	13.70	13.71	13.81	13.91	14.01	14.11	14.21	14.31

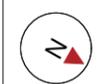
REVISION DETAILS	INT	DATE	SURVEYED	DESIGNED	DRAWN	CHECKED	APPROVED
5 ISSUED FOR S67 RESPONSE	SM	17/07/25	JK	JK	NS	GW	CD
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	JK	JK	NS	GW	CD
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	JK	JK	NS	GW	CD
11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	JK	JK	NS	GW	CD



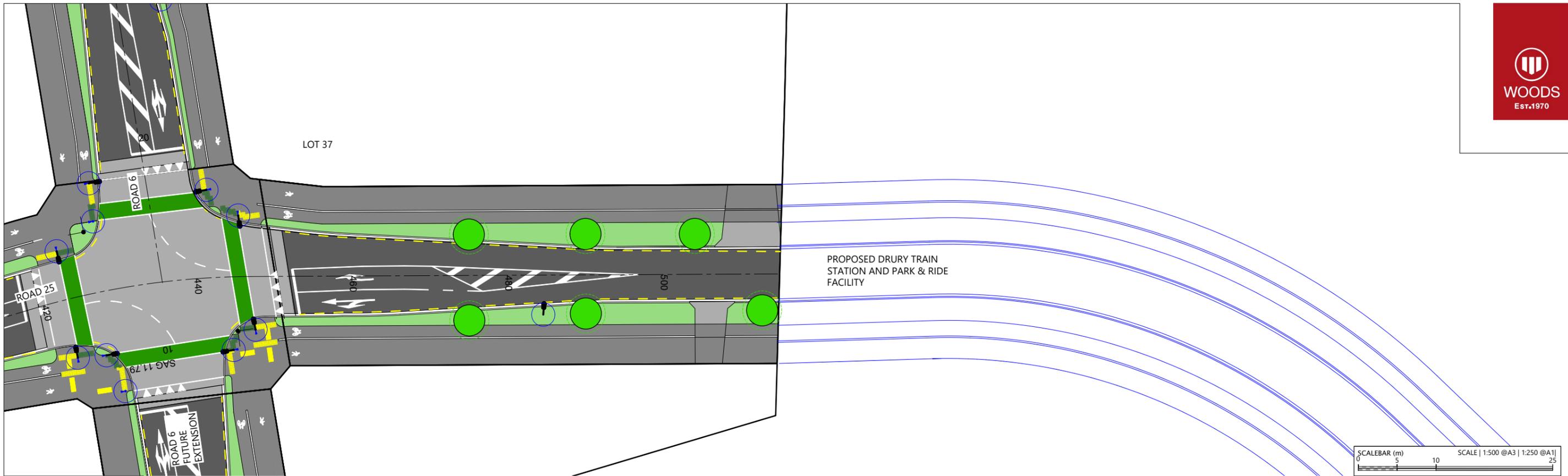
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DRURY CENTRE-STAGE 2
 ROAD 25 - (CH300.0-CH460.0) LONGITUDINAL SECTION



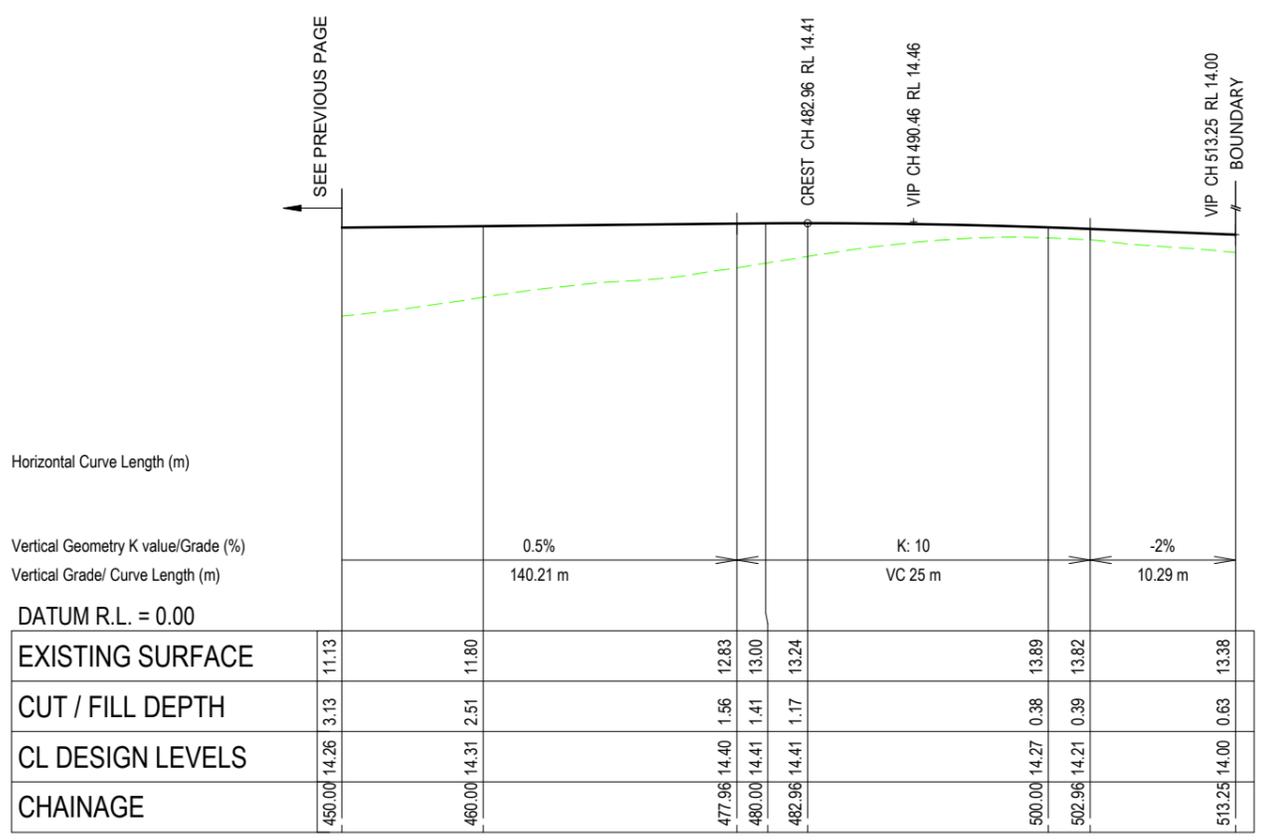
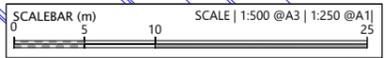
STATUS	FOR S67 RESPONSE	REV	11
SCALE	AS SHOWN		
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-2502-RD		



LEGEND

EXISTING GROUND LEVEL ---

PROPOSED FINISHED ROAD LEVEL ---



ROAD 25 LONGITUDINAL SECTION

HORZ 1:500 VERT 1:250

REVISION DETAILS	INT	DATE	SURVEYED	DESIGNED	DRAWN	CHECKED	APPROVED
5 ISSUED FOR S67 RESPONSE	SM	17/07/25	JK	JK	NS	GW	CD
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	JK	JK	NS	GW	CD
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	JK	JK	NS	GW	CD
11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	JK	JK	NS	GW	CD



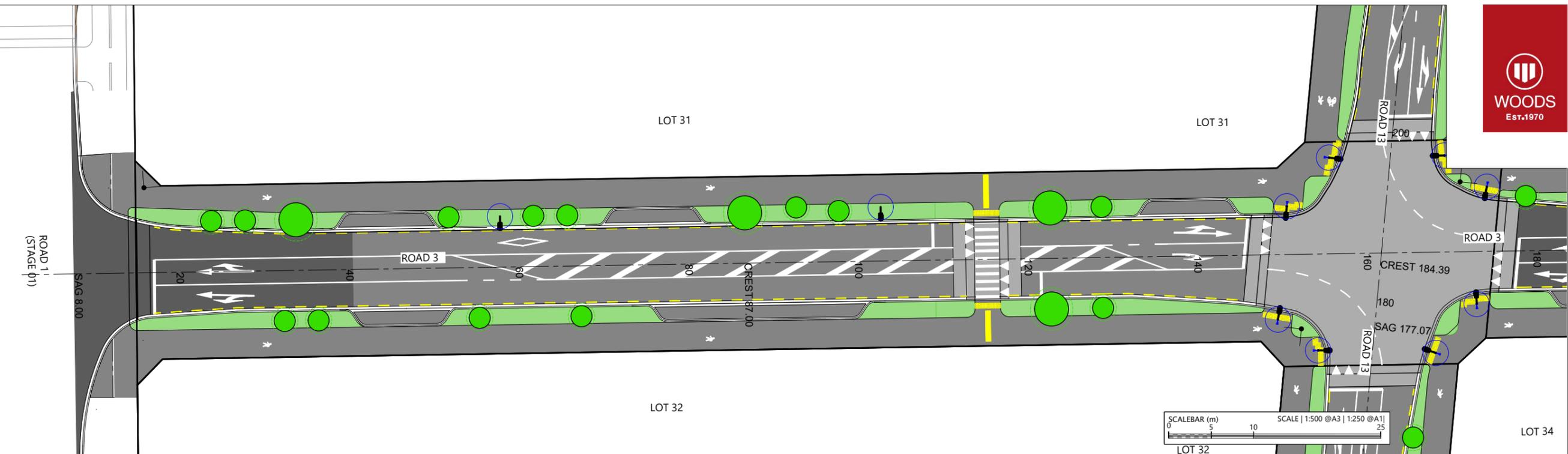
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DRURY CENTRE-STAGE 2
ROAD 25 - (CH450.0-CH END) LONGITUDINAL SECTION



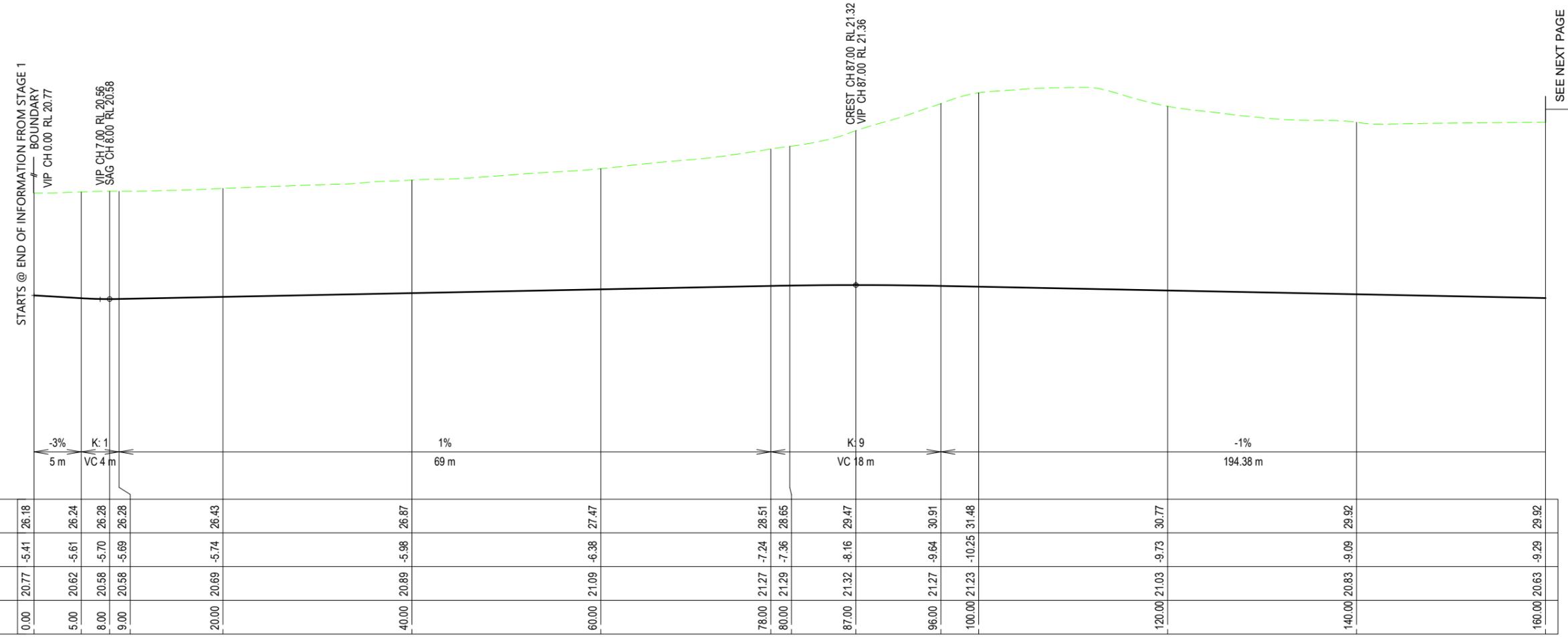
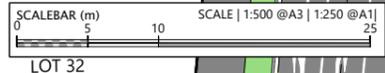
STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2503-RD	



LEGEND

EXISTING GROUND LEVEL ---

PROPOSED FINISHED ROAD LEVEL ---



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

REVISION DETAILS	INT	DATE	SURVEYED	
5 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	JK
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	NS
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
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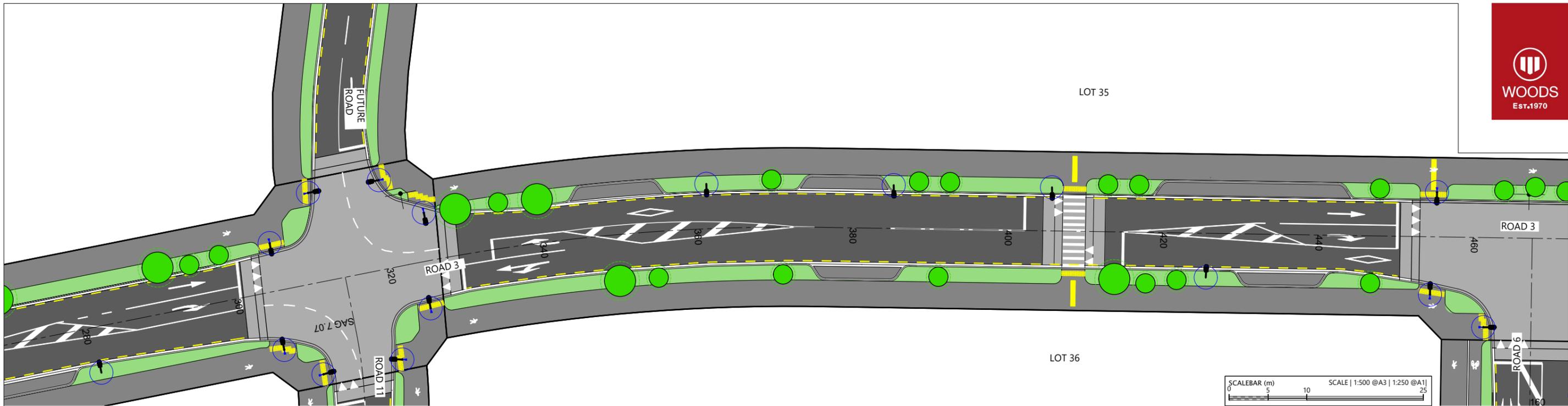
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DRURY CENTRE-STAGE 2
 ROAD 13 - (CH0.00-CH 160.00) LONGITUDINAL SECTION

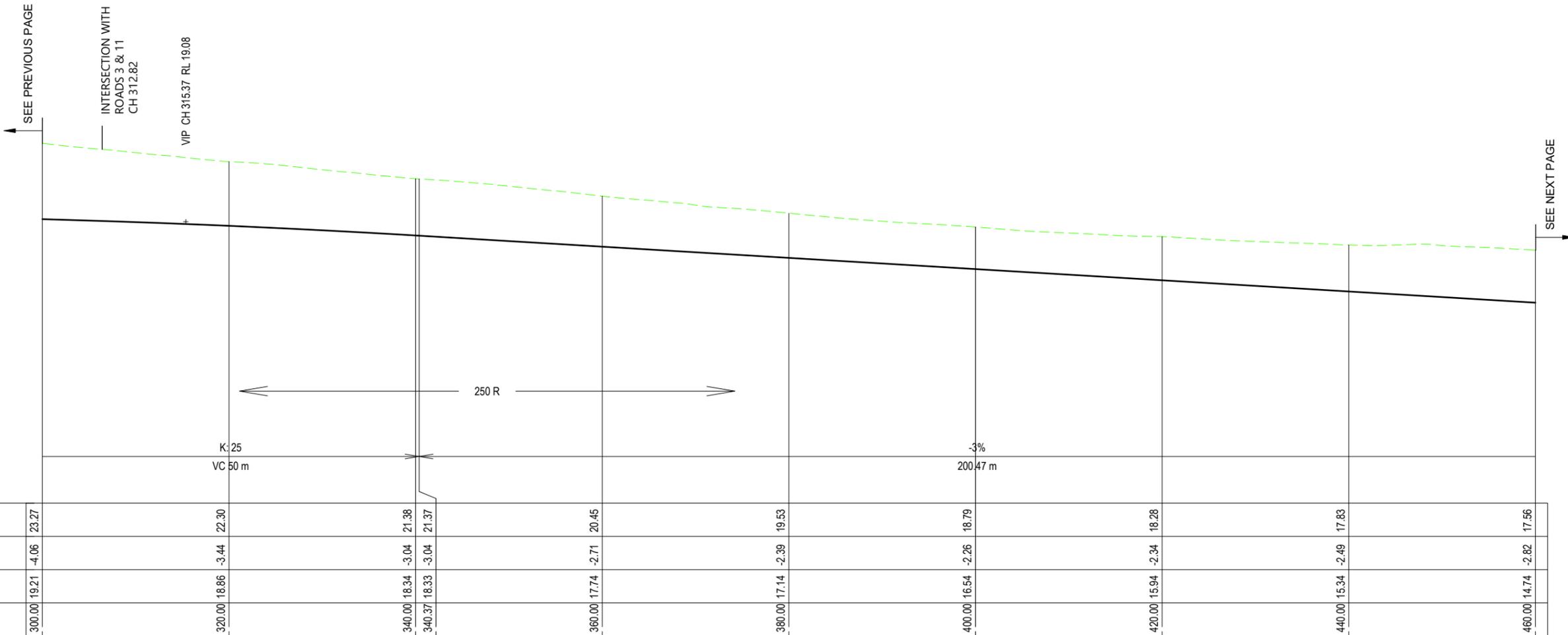


STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2504-RD	



LEGEND

EXISTING GROUND LEVEL	
PROPOSED FINISHED ROAD LEVEL	



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

	300.00	320.00	340.00	340.37	360.00	380.00	400.00	420.00	440.00	460.00
EXISTING SURFACE	23.27	22.30	21.38	21.37	20.45	19.53	18.79	18.28	17.83	17.56
CUT / FILL DEPTH	-4.06	-3.44	-3.04	-3.04	-2.71	-2.39	-2.26	-2.34	-2.49	-2.82
CL DESIGN LEVELS	19.21	18.86	18.34	18.33	17.74	17.14	16.54	15.94	15.34	14.74
CHAINAGE	300.00	320.00	340.00	340.37	360.00	380.00	400.00	420.00	440.00	460.00

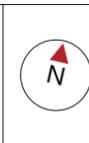
REVISION DETAILS	INT	DATE	SURVEYED	DESIGNED	DRAWN	CHECKED	APPROVED
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9 ISSUED FOR S67 RESPONSE	SM	23/07/25	JK	JK	NS	GW	CD
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	JK	JK	NS	GW	CD
11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	JK	JK	NS	GW	CD



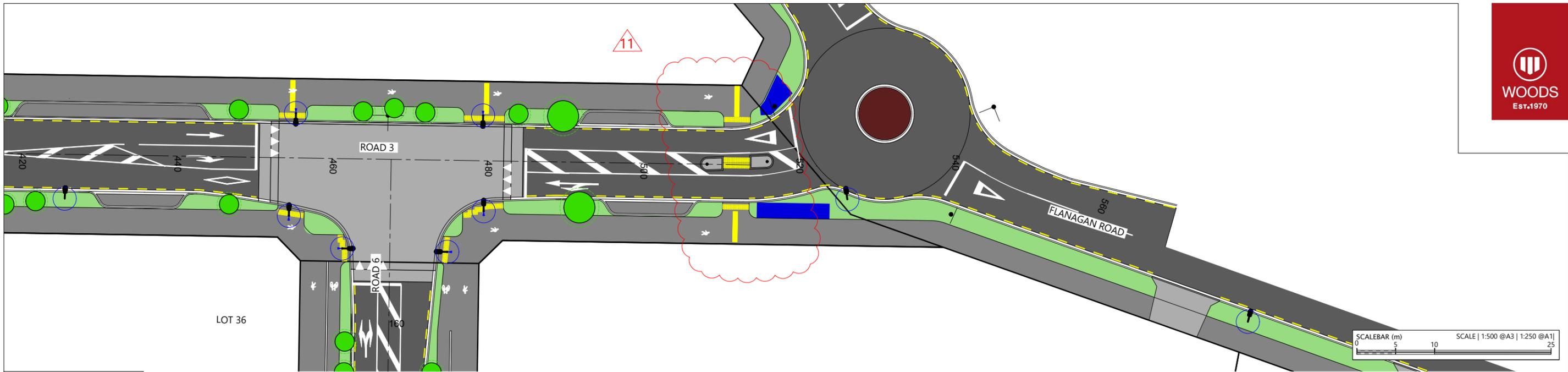
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DRURY CENTRE-STAGE 2
 ROAD 13 - (CH300.00-CH 460.00) LONGITUDINAL SECTION

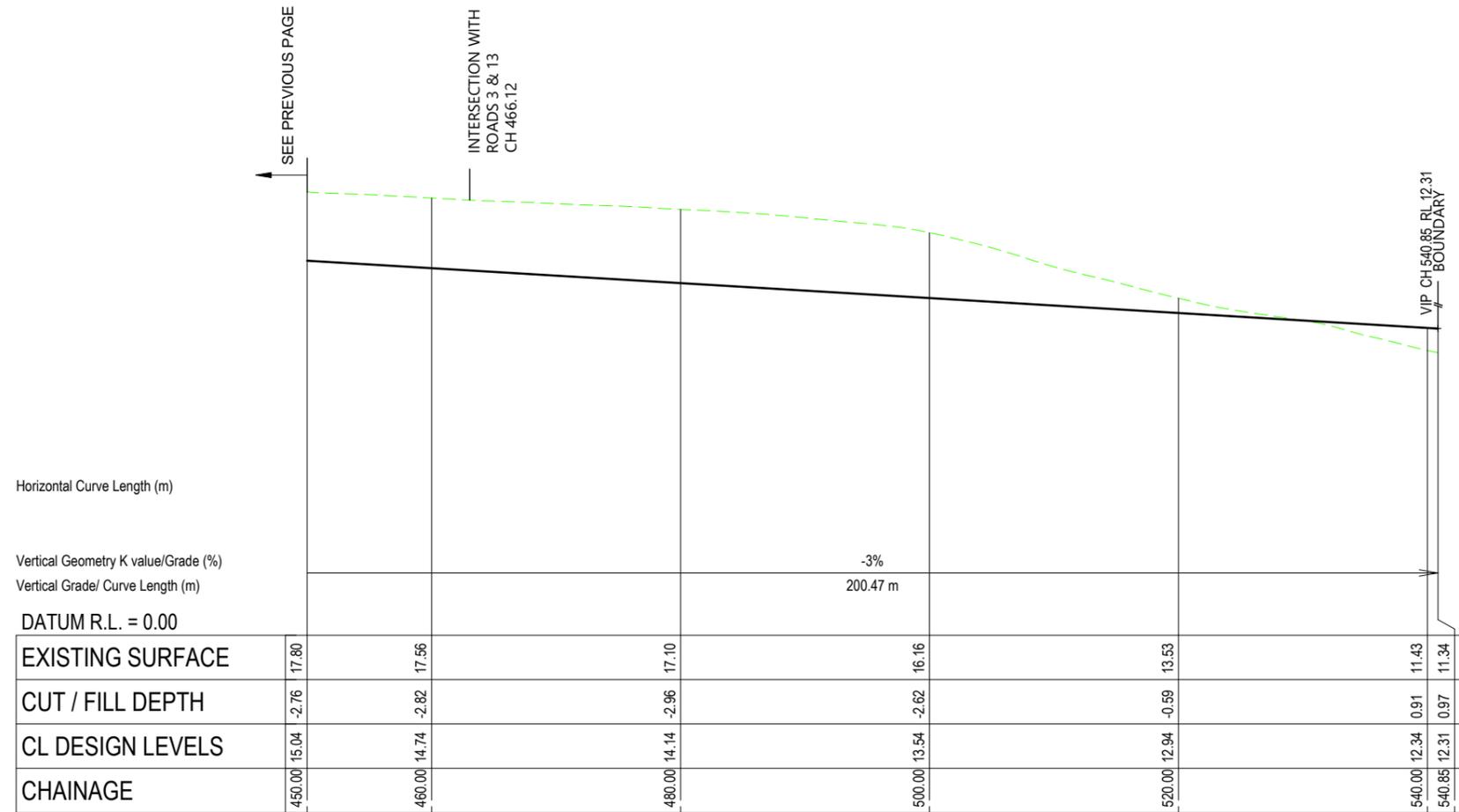


STATUS	FOR S67 RESPONSE	REV	11
SCALE	AS SHOWN		
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-2506-RD		



LEGEND

EXISTING GROUND LEVEL	---
PROPOSED FINISHED ROAD LEVEL	—



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

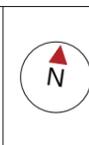
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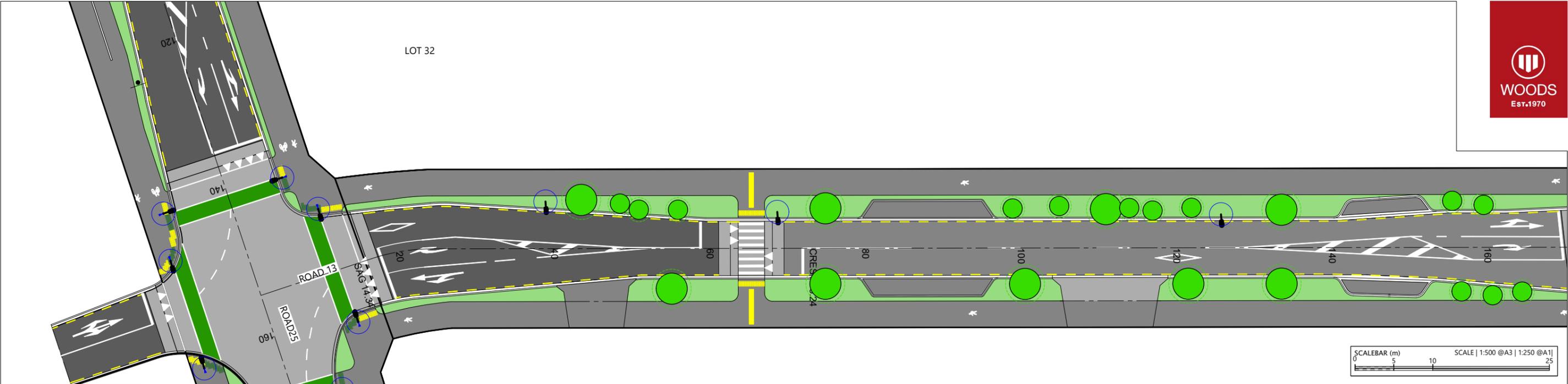
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DRURY CENTRE-STAGE 2
 ROAD 13 - (CH450.00-CH END) LONGITUDINAL SECTION



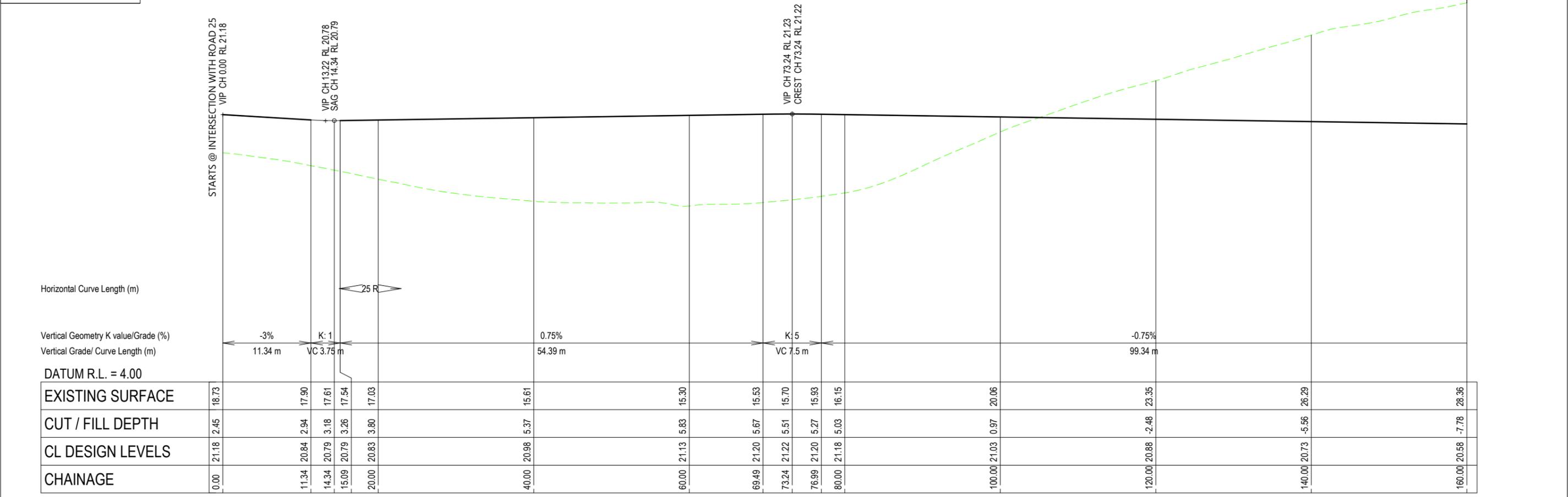
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SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2507-RD	



LEGEND

EXISTING GROUND LEVEL ---

PROPOSED FINISHED ROAD LEVEL —



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

REVISION DETAILS	INT	DATE	SURVEYED	DESIGNED	DRAWN	CHECKED	APPROVED
5 ISSUED FOR S67 RESPONSE	SM	17/07/25	JK	JK	NS	GW	CD
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QR CODE

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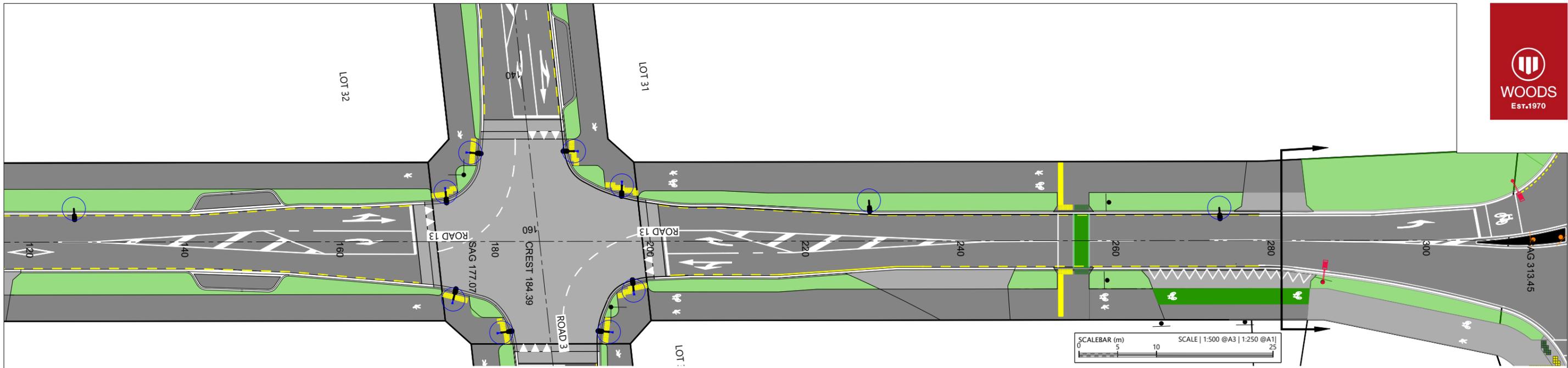
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DRURY CENTRE-STAGE 2

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

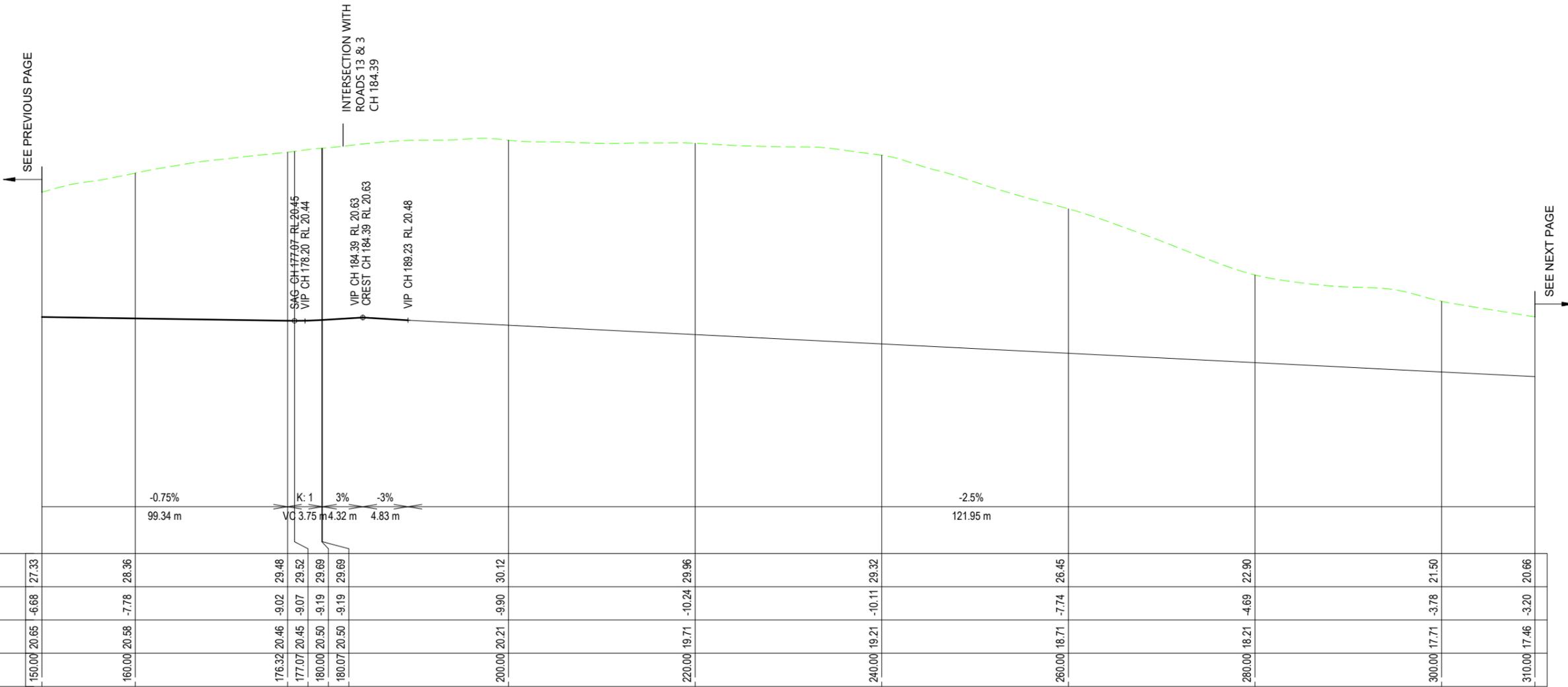
STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2508-RD	



LEGEND

EXISTING GROUND LEVEL

PROPOSED FINISHED ROAD LEVEL



Horizontal Curve Length (m)

Vertical Geometry K value/Grade (%)

Vertical Grade/ Curve Length (m)

DATUM R.L. = 8.00

EXISTING SURFACE	27.33	28.36	29.48	29.52	29.69	30.12	29.96	29.32	26.45	22.90	21.50	20.66	
CUT / FILL DEPTH	-6.68	-7.78	-9.02	-9.07	-9.19	-9.90	-10.24	-10.11	-7.74	-4.69	-3.78	-3.20	
CL DESIGN LEVELS	20.65	20.58	20.46	20.45	20.50	20.21	19.71	19.21	18.71	18.21	17.71	17.46	
CHAINAGE	150.00	160.00	176.32	177.07	180.00	180.07	200.00	220.00	240.00	260.00	280.00	300.00	310.00

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

REVISION DETAILS	INT	DATE	SURVEYED	DESIGNED
5 ISSUED FOR S67 RESPONSE	SM	17/07/25	JK	NS
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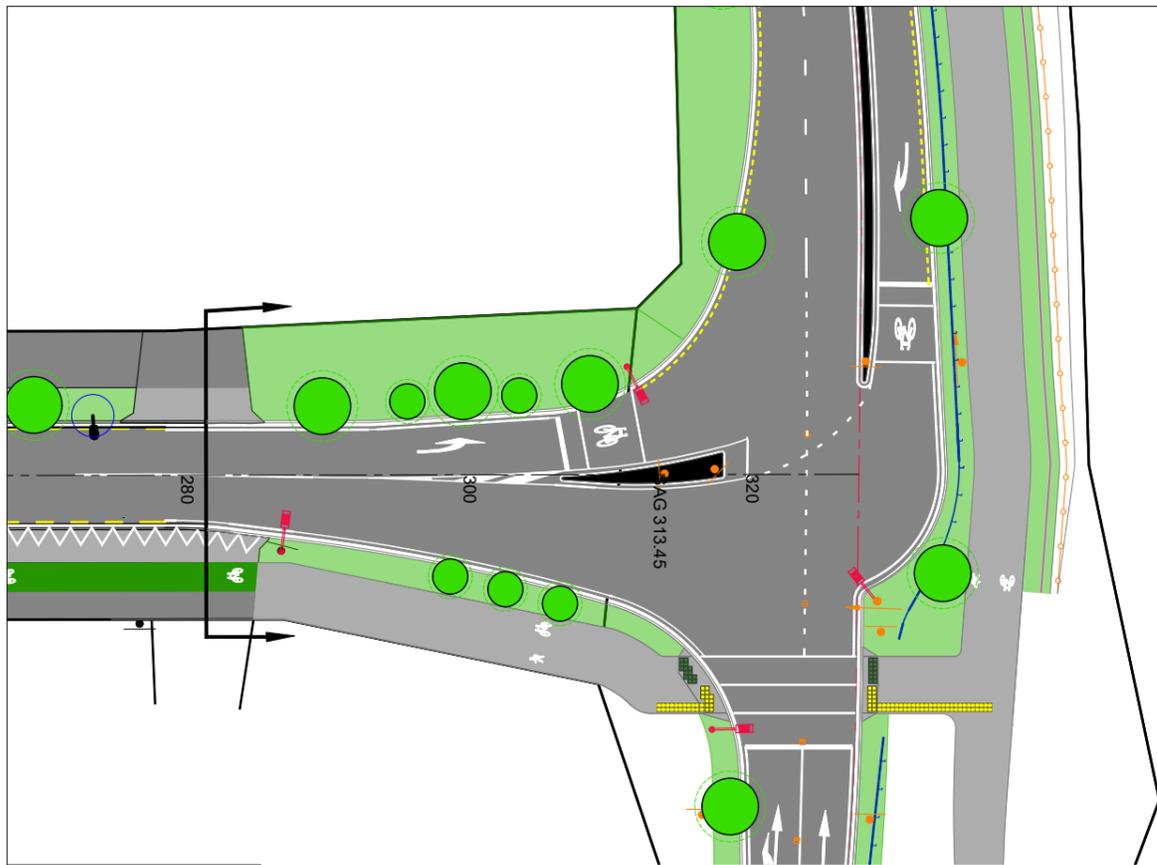
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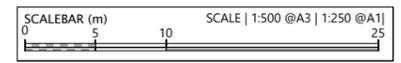
DRURY CENTRE-STAGE 2
 ROAD 13 - (CH150.00-CH 310.00) LONGITUDINAL SECTION



STATUS	FOR S67 RESPONSE	REV	11
SCALE	AS SHOWN		
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-2509-RD		

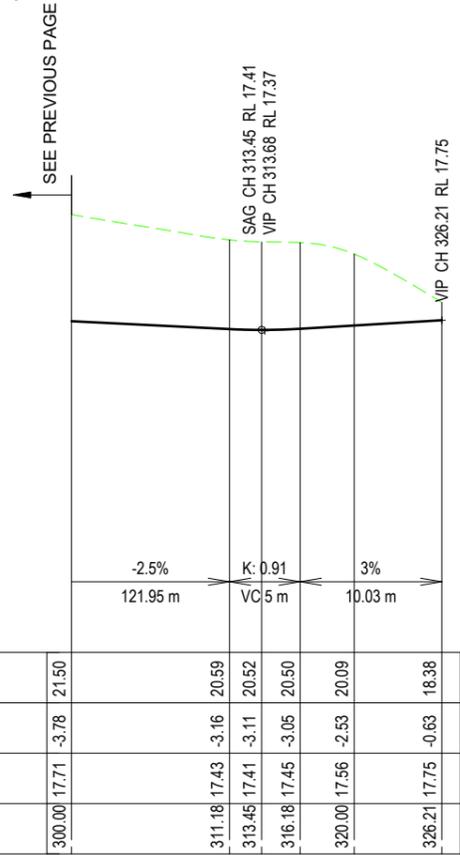


NOTE:
 ROAD 2 NORTH & ROAD 13 INTERSECTION TO BE CONSENTED UNDER NZTA SH1 OFFRAMP PROJECT.
 ROAD 2 NORTH IS PART OF THE NZTA SH1 OFFRAMP PROJECT AND APART FROM EARTHWORK AND STORMWATER IS NOT PART OF THIS CONSENT.
 DETAILS **PROVIDED FOR INFORMATION ONLY.**



LEGEND

EXISTING GROUND LEVEL	---
PROPOSED FINISHED ROAD LEVEL	—



Horizontal Curve Length (m)

Vertical Geometry K value/Grade (%)

Vertical Grade/ Curve Length (m)

DATUM R.L. = 6.00

EXISTING SURFACE	300.00	21.50					
CUT / FILL DEPTH		-3.78	-3.16	-3.11	-3.05	-2.53	-0.63
CL DESIGN LEVELS		17.71	17.43	17.41	17.45	17.56	17.75
CHAINAGE	300.00		311.18	313.45	316.18	320.00	326.21

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

REVISION DETAILS	INT	DATE	SURVEYED	
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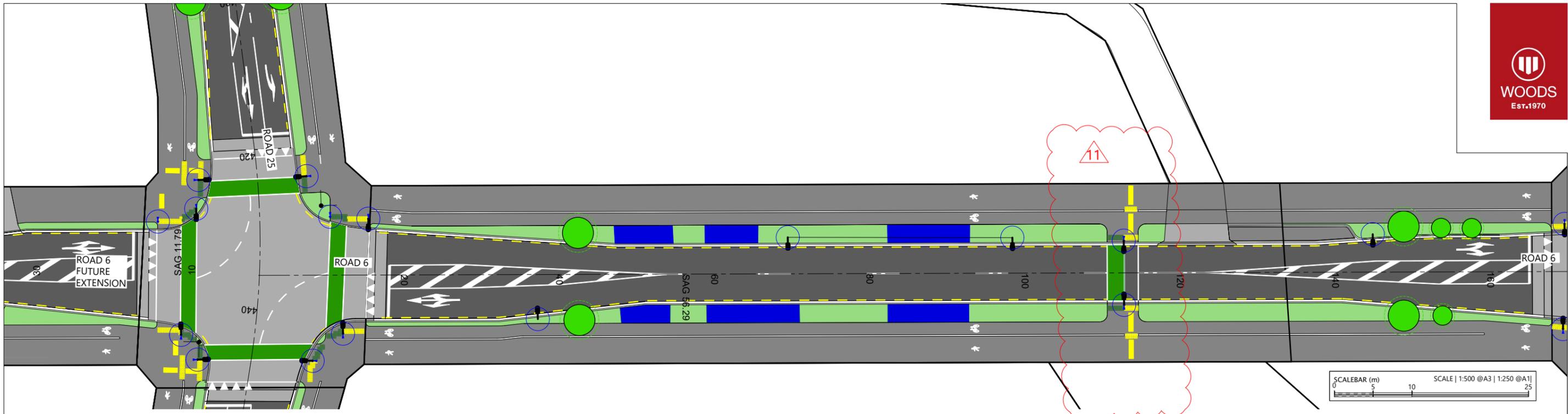
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DRURY CENTRE-STAGE 2
 ROAD 13 - (CH300.00-CH END) LONGITUDINAL SECTION



STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2510-RD	

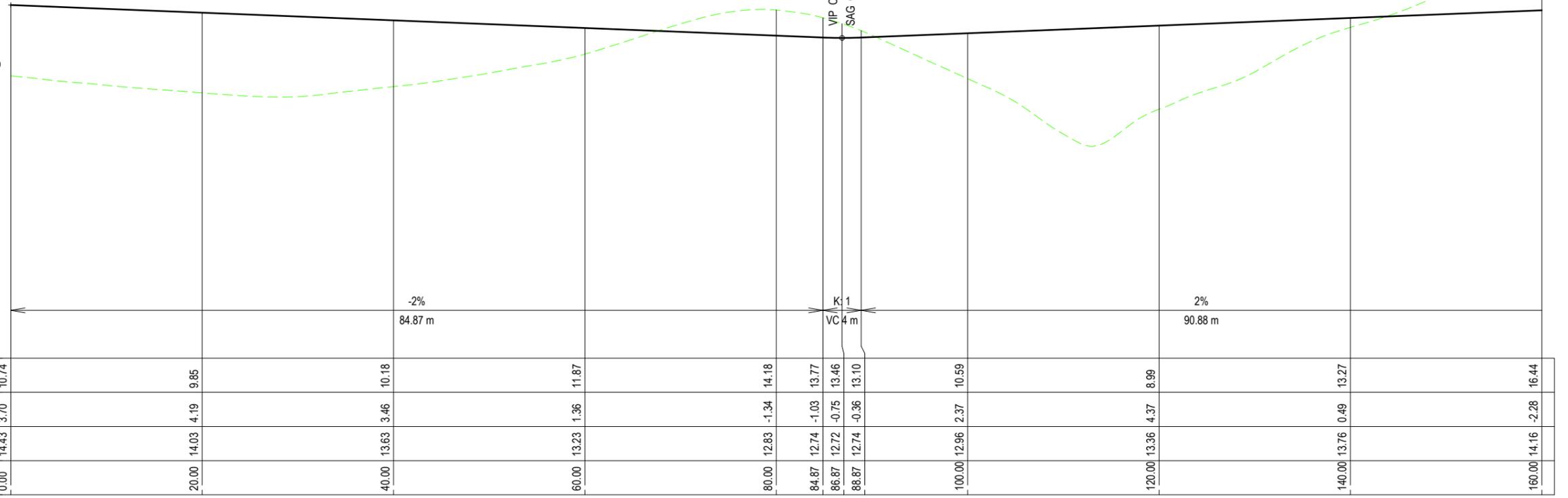


LEGEND

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	DESIGNED	DRAWN	CHECKED	APPROVED
5 ISSUED FOR S67 RESPONSE	SM	17/07/25	JK	JK	NS	GW	CD
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10 ISSUED FOR S67 RESPONSE	RO	15/08/25	JK	JK	NS	GW	CD
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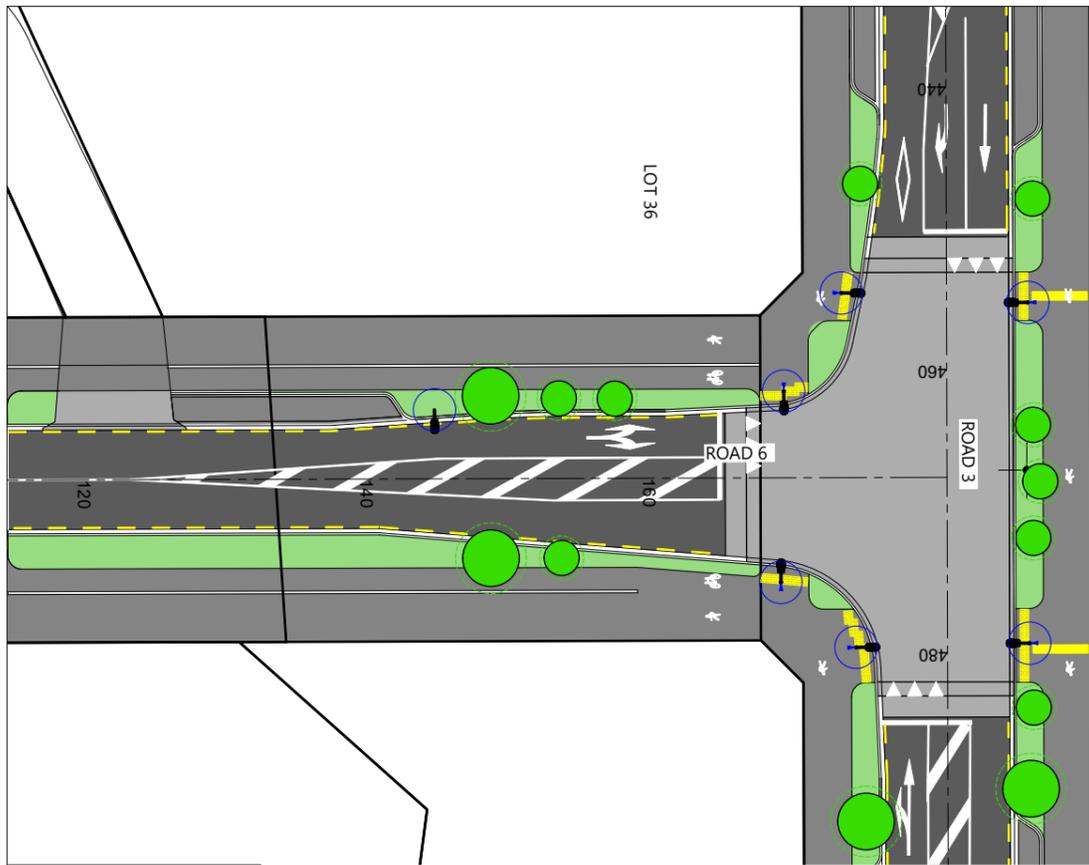
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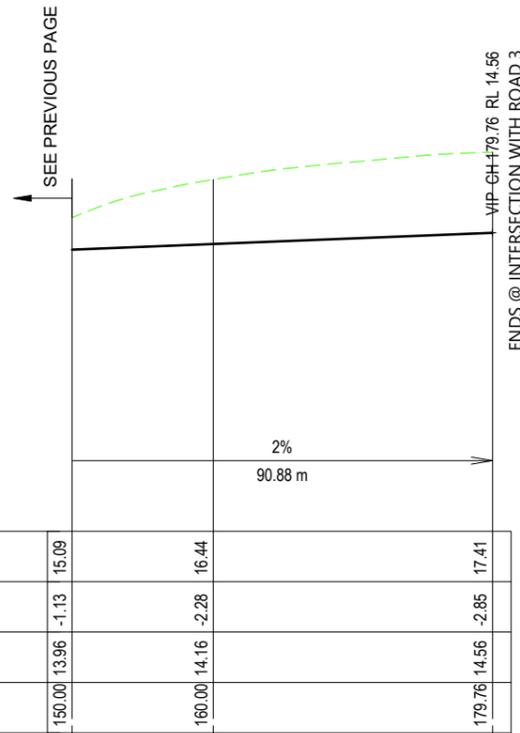
DRURY CENTRE-STAGE 2
ROAD 06 - (CH 0.00-CH 160.00) LONGITUDINAL SECTION



STATUS	FOR S67 RESPONSE	REV	11
SCALE	AS SHOWN		
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-2511-RD		



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



Horizontal Curve Length (m)

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

DATUM R.L. = 4.00

EXISTING SURFACE	15.09	16.44	17.41
CUT / FILL DEPTH	-1.13	-2.28	-2.85
CL DESIGN LEVELS	13.96	14.16	14.56
CHAINAGE	150.00	160.00	179.76

ROAD 06 LONGITUDINAL SECTION

HORZ 1:500 VERT 1:250

REVISION DETAILS	INT	DATE	SURVEYED	
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9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	NS
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11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	APPROVED	CD



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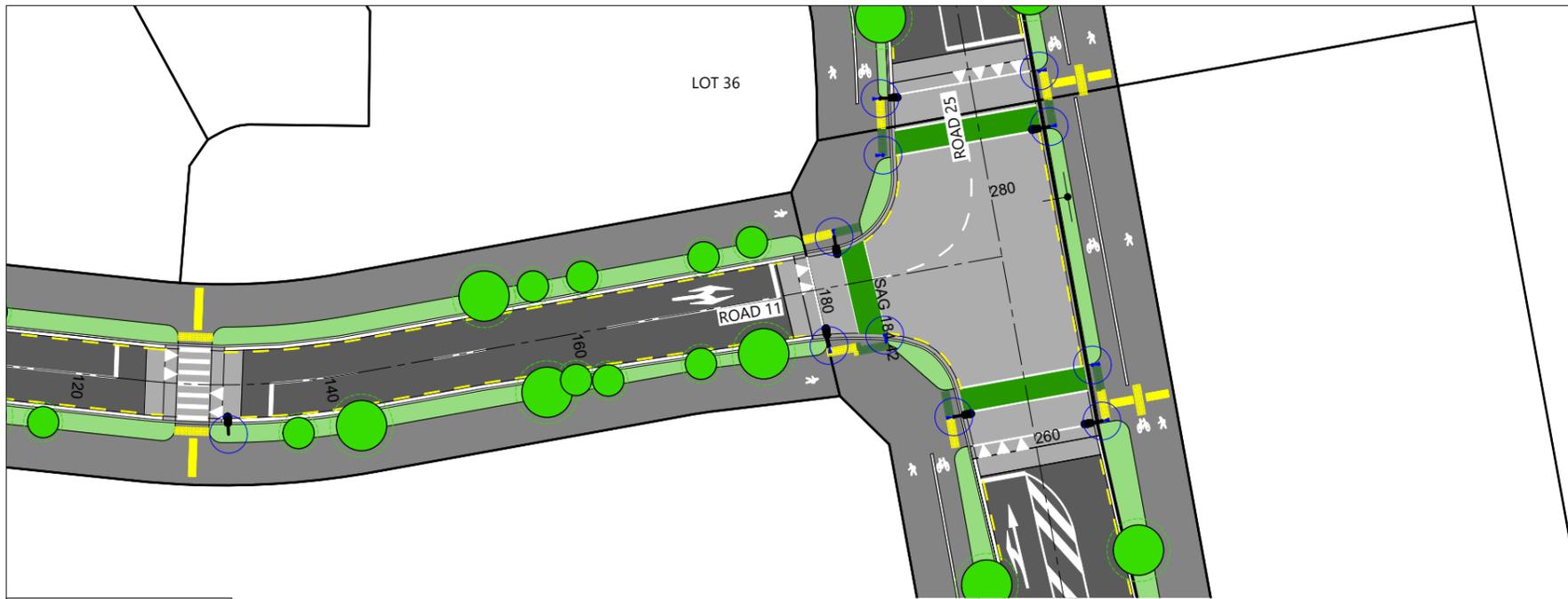


DRURY CENTRE-STAGE 2

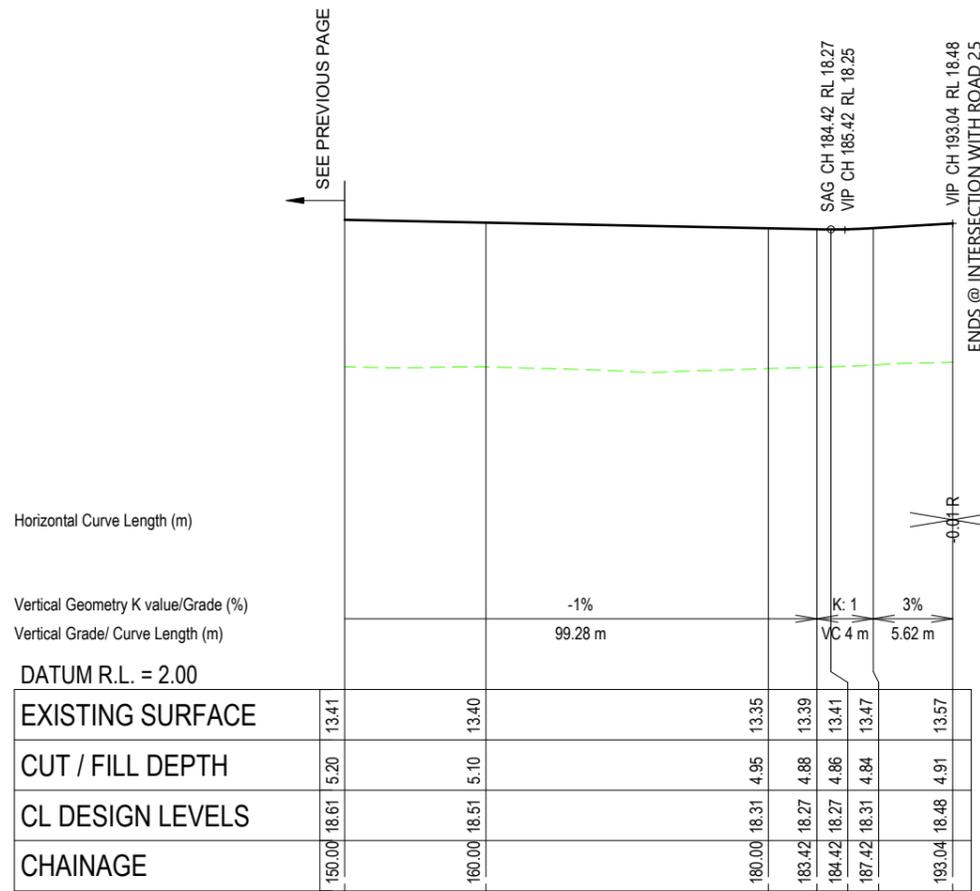
ROAD 06 - (CH150.00-CH END) LONGITUDINAL SECTION



STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
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

	150.00	160.00	180.00	183.42	184.42	187.42	193.04
EXISTING SURFACE	13.41	13.40	13.35	13.39	13.41	13.47	13.57
CUT / FILL DEPTH	5.20	5.10	4.95	4.88	4.86	4.84	4.91
CL DESIGN LEVELS	18.61	18.51	18.31	18.27	18.27	18.31	18.48
CHAINAGE	150.00	160.00	180.00	183.42	184.42	187.42	193.04

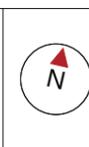
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11 ISSUED FOR S67 RESPONSE	MF-E	17/09/25	APPROVED	CD



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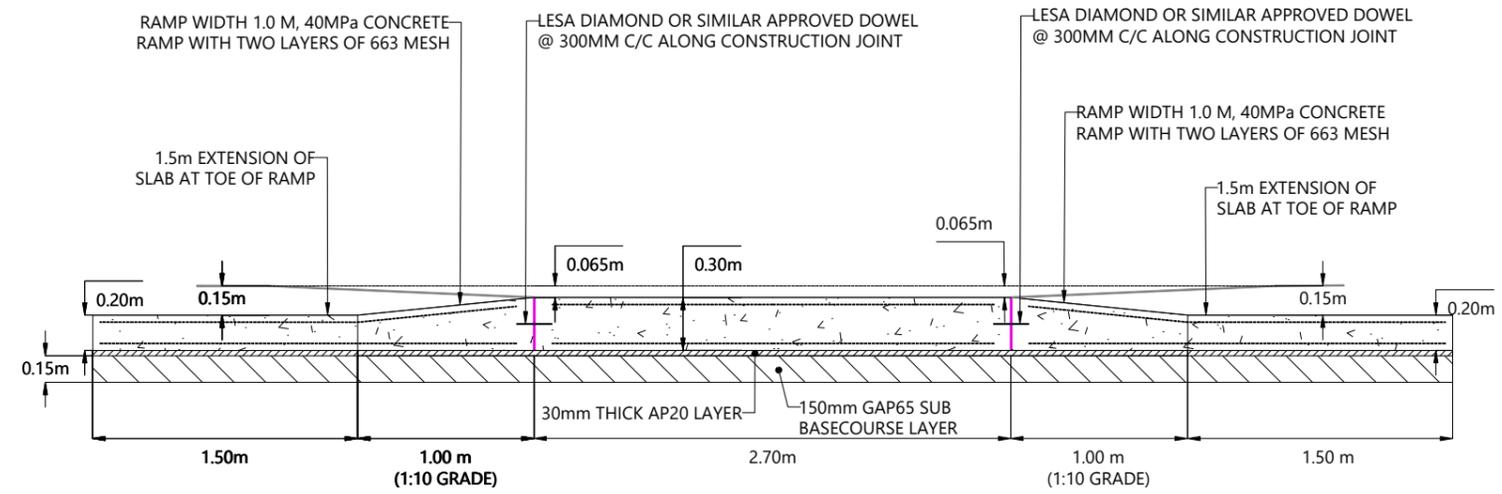
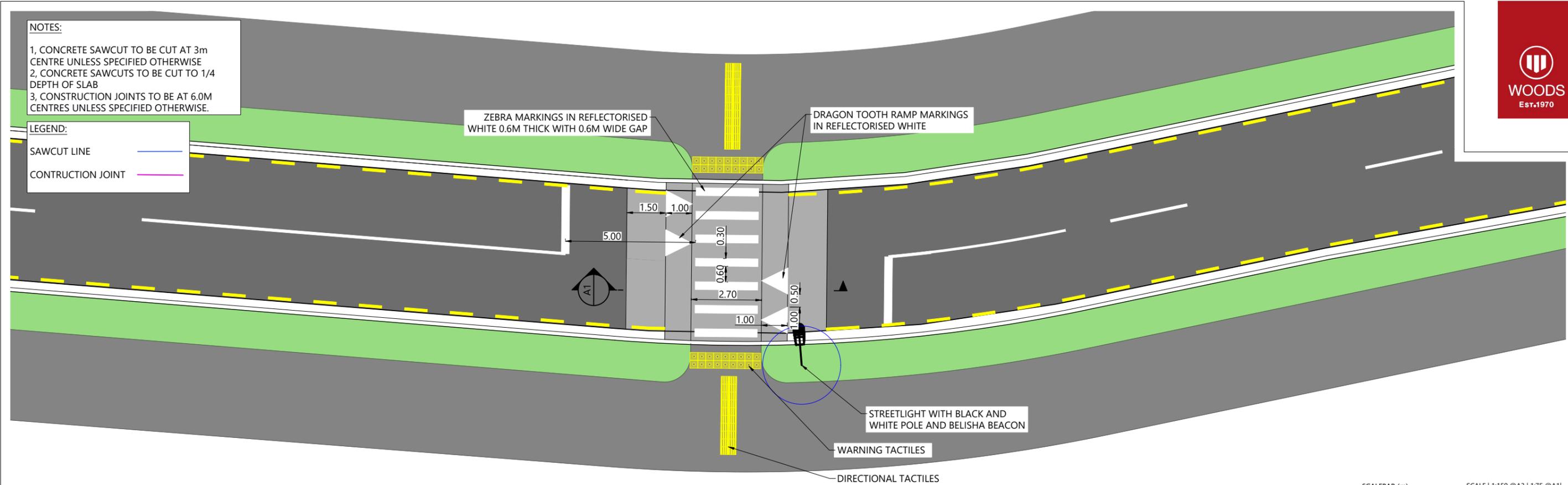
DRURY CENTRE-STAGE 2
 ROAD 11 - (CH150.00-CH END) LONGITUDINAL SECTION



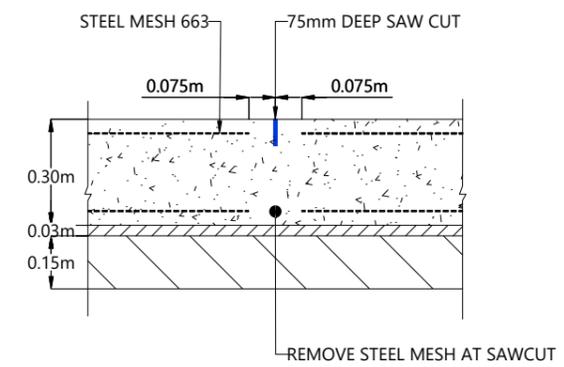
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SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2514-RD	

NOTES:
 1, CONCRETE SAWCUT TO BE CUT AT 3m CENTRE UNLESS SPECIFIED OTHERWISE
 2, CONCRETE SAWCUTS TO BE CUT TO 1/4 DEPTH OF SLAB
 3, CONSTRUCTION JOINTS TO BE AT 6.0M CENTRES UNLESS SPECIFIED OTHERWISE.

LEGEND:
 SAWCUT LINE ———
 CONSTRUCTION JOINT ———



A1 RAISED SPEED TABLE LONG-SECTION DETAIL
 1:40 @ A3



SAWCUT JOINT DETAIL
 1:20 @ A3

REVISION DETAILS	INT	DATE	SURVEYED	
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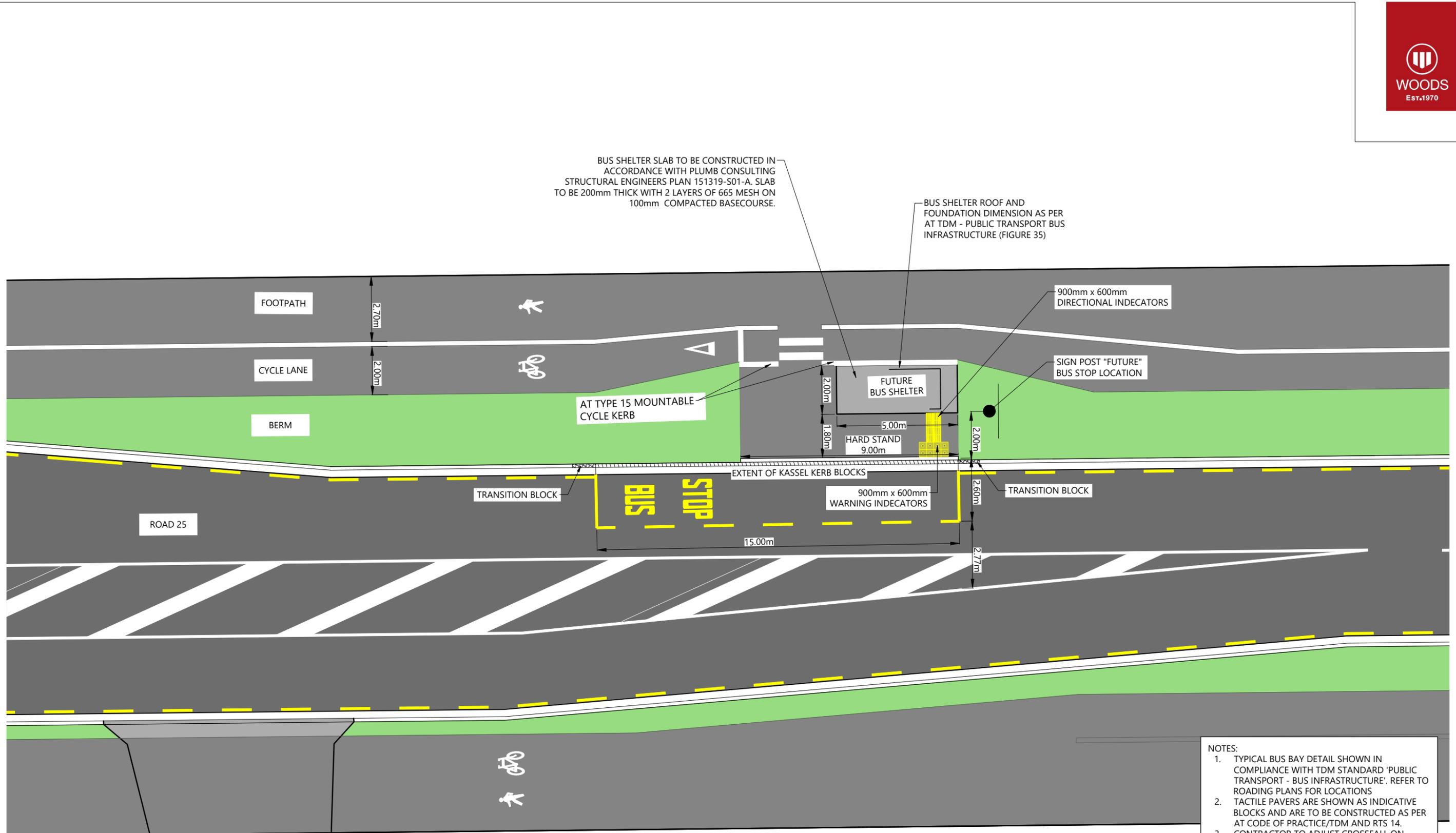
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DRURY CENTRE-STAGE 2
 TYPICAL RAISED PEDESTRIAN CROSSING DETAIL



STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2810-RD	



- NOTES:
1. TYPICAL BUS BAY DETAIL SHOWN IN COMPLIANCE WITH TDM STANDARD 'PUBLIC TRANSPORT - BUS INFRASTRUCTURE'. REFER TO ROADING PLANS FOR LOCATIONS
 2. TACTILE PAVERS ARE SHOWN AS INDICATIVE BLOCKS AND ARE TO BE CONSTRUCTED AS PER AT CODE OF PRACTICE/TDM AND RTS 14.
 3. CONTRACTOR TO ADJUST CROSSFALL ON CHANNEL TO ENSURE LONGITUDINAL GRADE OF CHANNEL TO BE GREATER OR EQUAL TO 0.5%.



REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/2025	DESIGNED	NS
9 ISSUED FOR S67 RESPONSE	EW	23/07/2025	DRAWN	NS
10 ISSUED FOR S67 RESPONSE	RO	15/08/2025	CHECKED	GW
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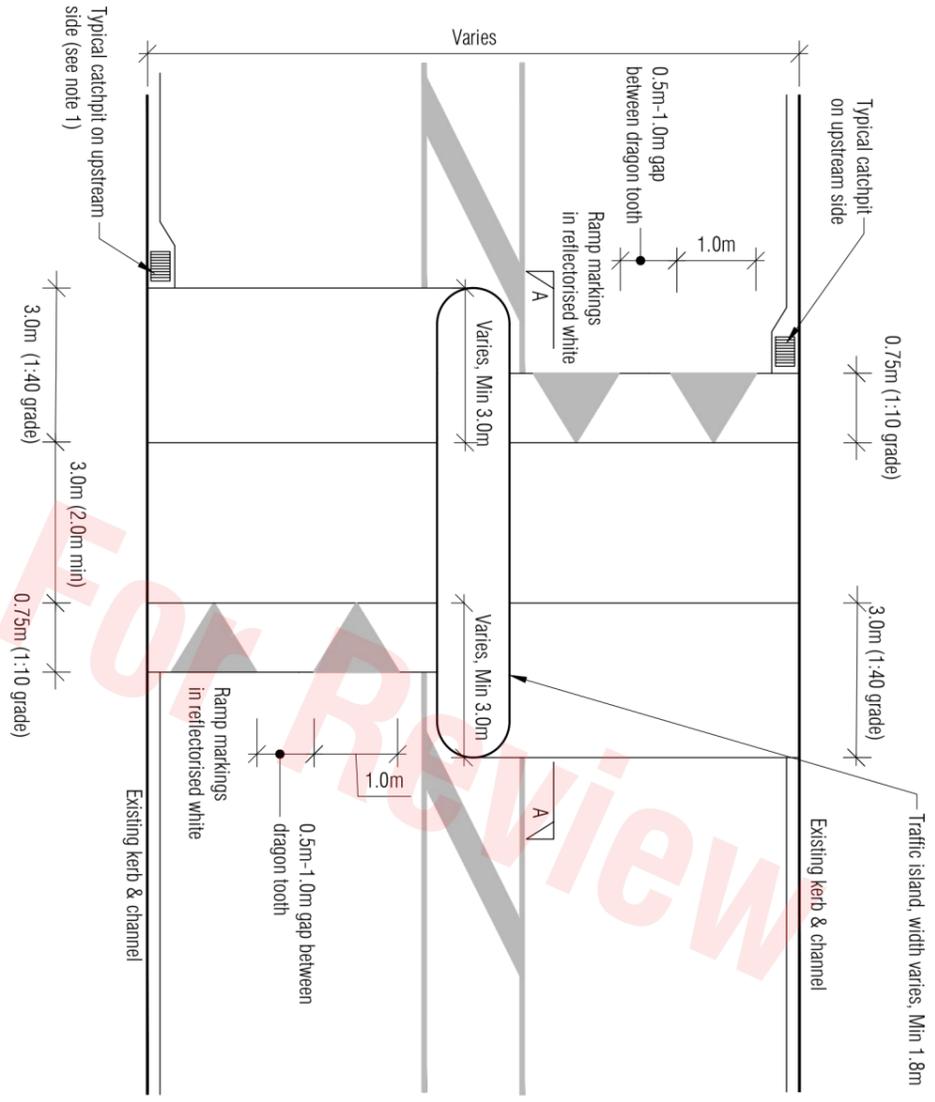
DRURY CENTRE-STAGE 2
BUS BAY DETAIL



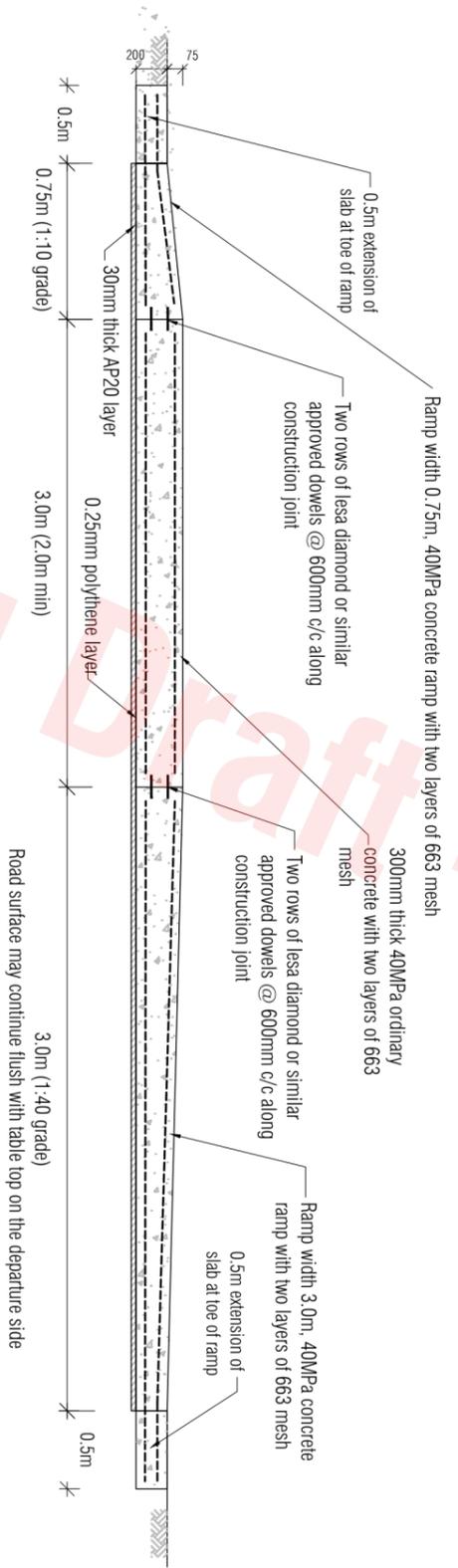
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SCALE	1:150 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2830-RD	



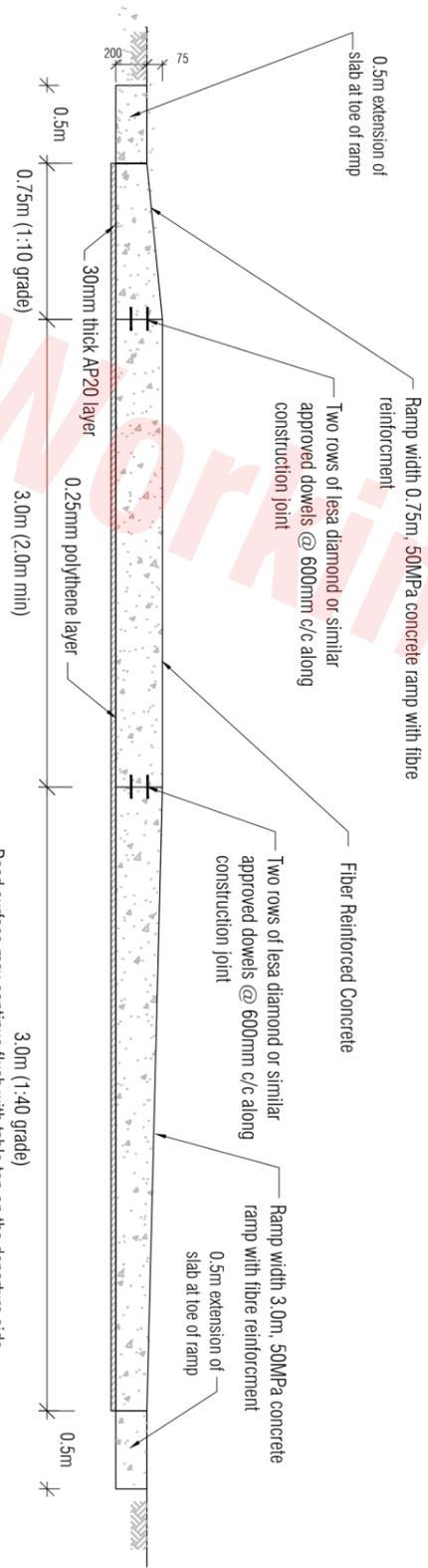
Advance warning signs on approaching speed-table or humps



PLAN NOT TO SCALE



SECTION A-A NOT TO SCALE



SECTION A-A (ALTERNATE OPTION) NOT TO SCALE

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

TC0022

Transport Design Manual | Standard Engineering Details

Review
1

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

Date: **Document in Review**
SED No. **TC0022**
Version **A**

REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	JK
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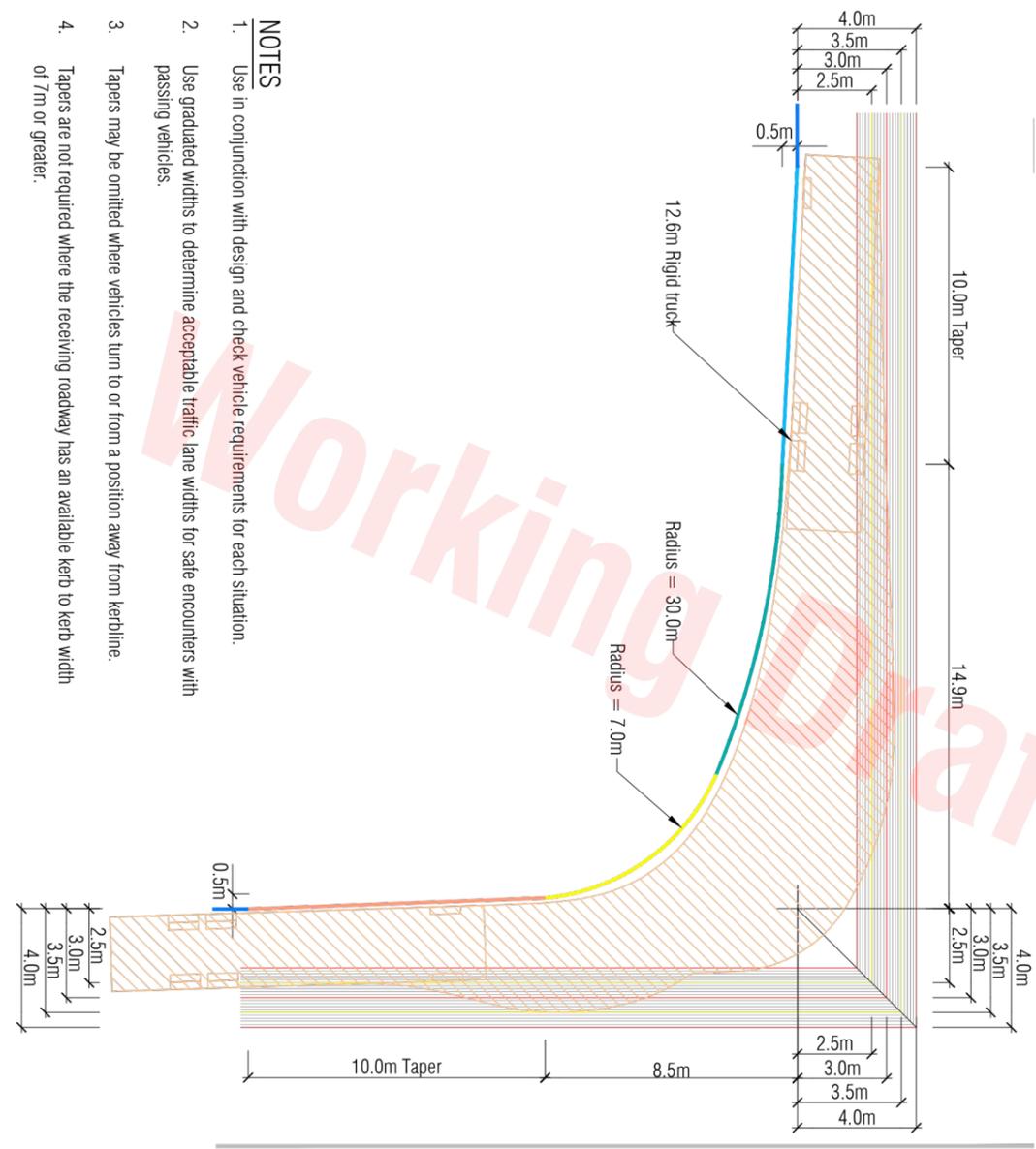
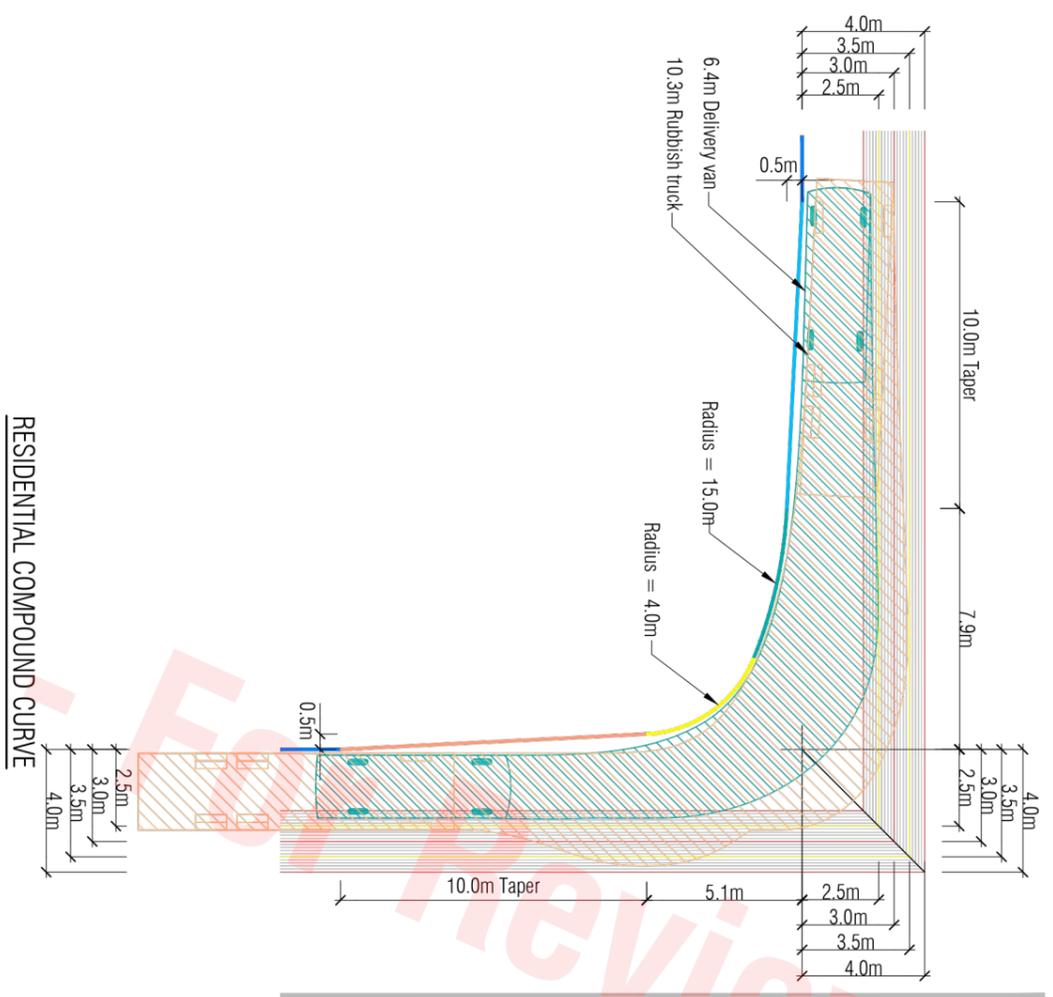


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DRURY CENTRE-STAGE 2
AT TDM - SPEED (SWEDISH) TABLE

STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2850-RD	



- 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

Transport Design Manual | Standard Engineering Details

Review

1

DATE: February 14, 2020

TDM TECHNICAL STANDARDS

Compound corner templates

Date: **Document in Review**

SED No. **GD00004**

Version **A**

REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	JK
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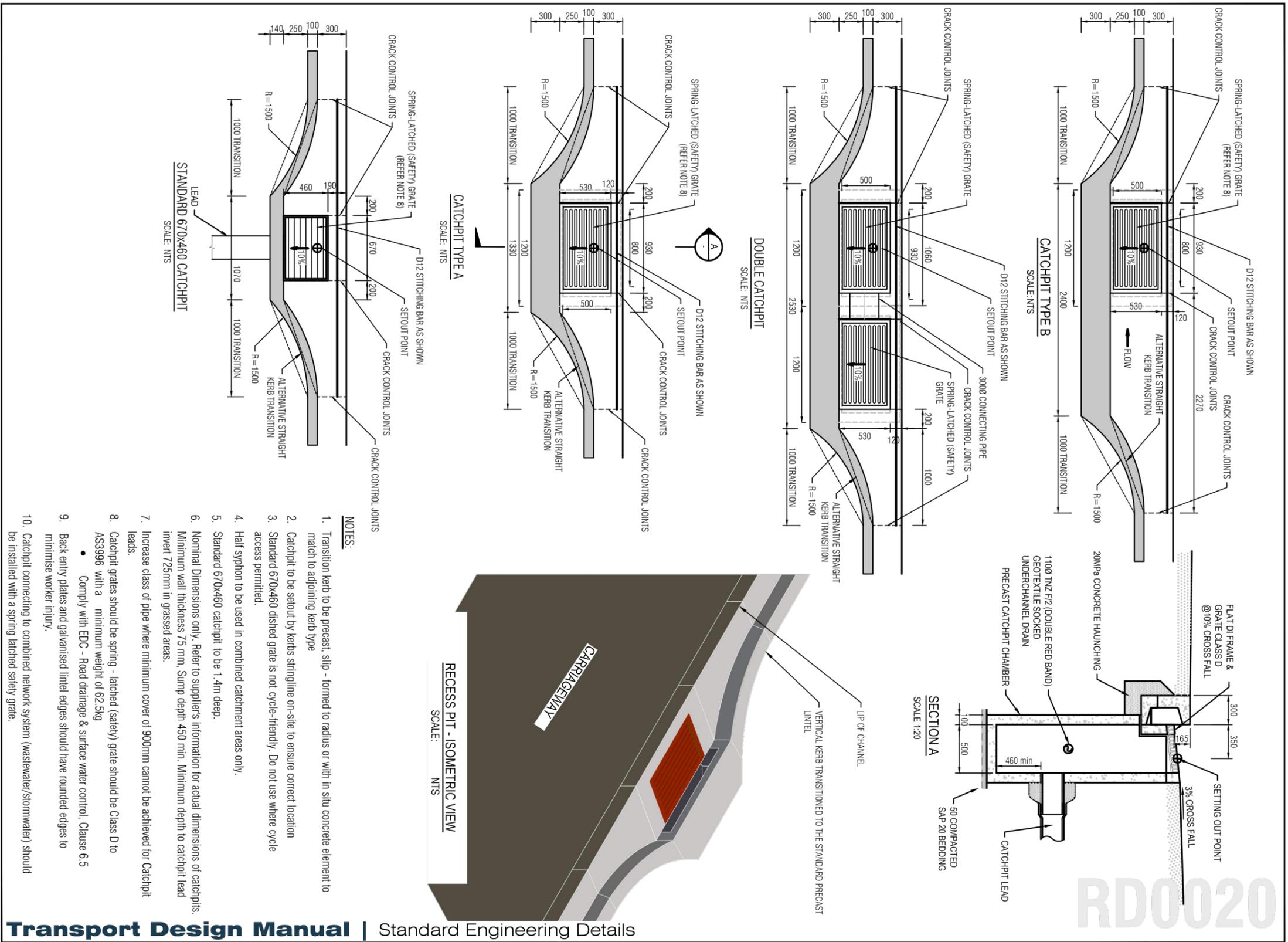
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DRURY CENTRE-STAGE 2

AT TDM - COMPOUND CORNER

STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	11
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 dished 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 ASS3996 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.

TDM TECHNICAL STANDARDS

Semi recessed catchpit

Date: 30/11/2021

SED No. **RD00020**

Version **C**

REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	JK
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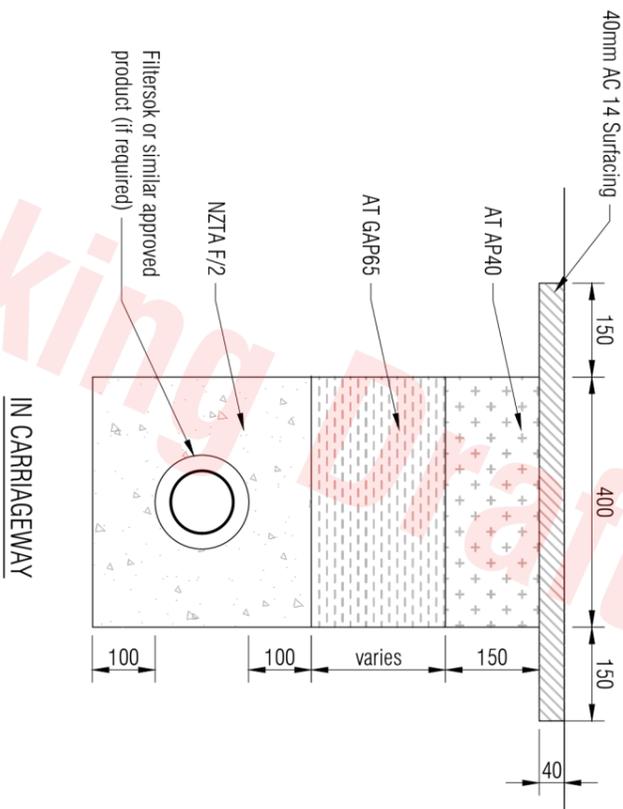
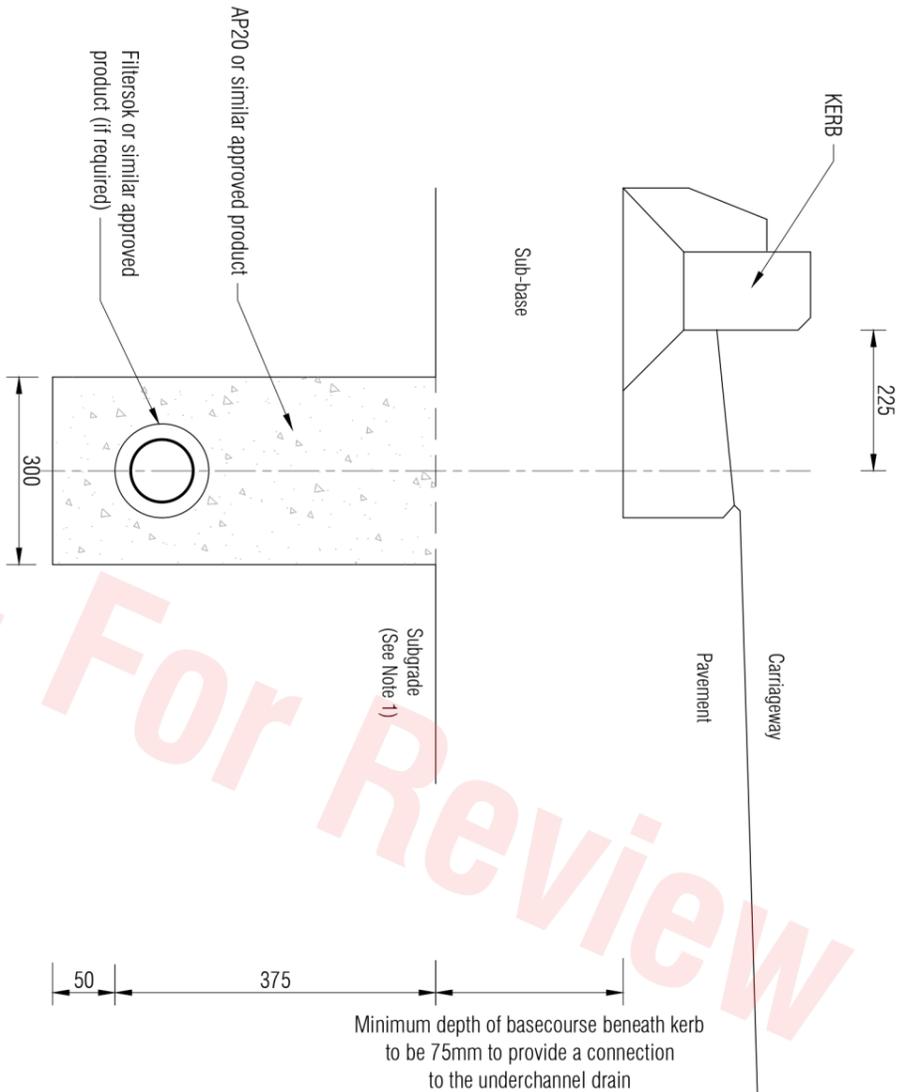


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DRURY CENTRE-STAGE 2
AT TDM - SEMI-RECESSED CATCH PIT

STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2852-RD	



RD0010

- 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 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

Review
1
 DATE: March 2, 2023

TDM TECHNICAL STANDARDS
 Subsoil drain

Date: **Document in Review**
 SED No. **RD00010**
 Version **B**

REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	JK
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	NS
10 ISSUED FOR S67 RESPONSE	EW	15/08/25	CHECKED	GW
11 ISSUED FOR S67 RESPONSE	RO	17/09/255	APPROVED	CD



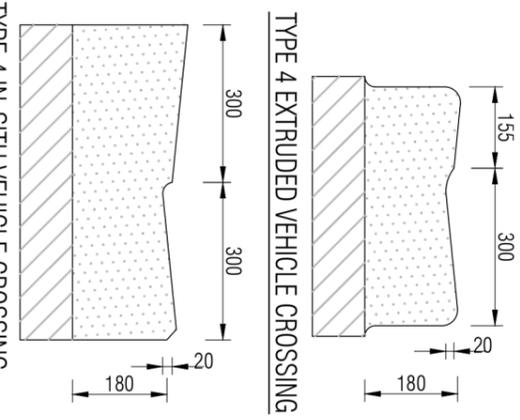
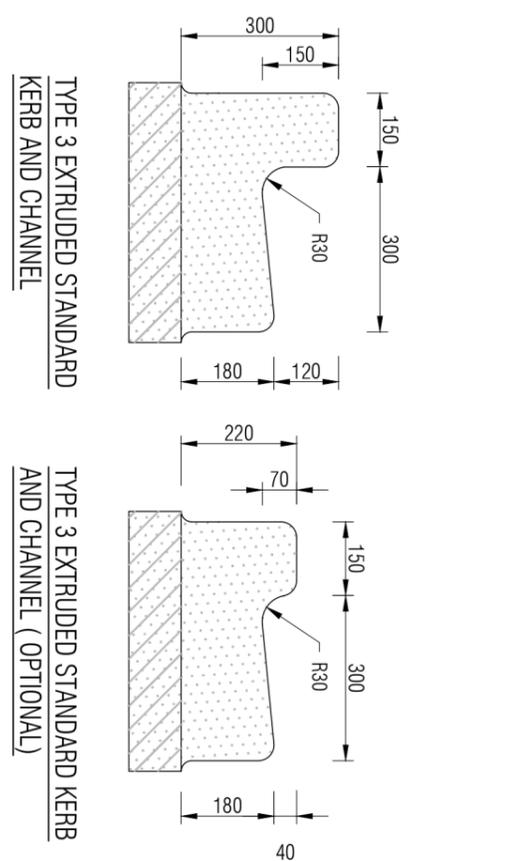
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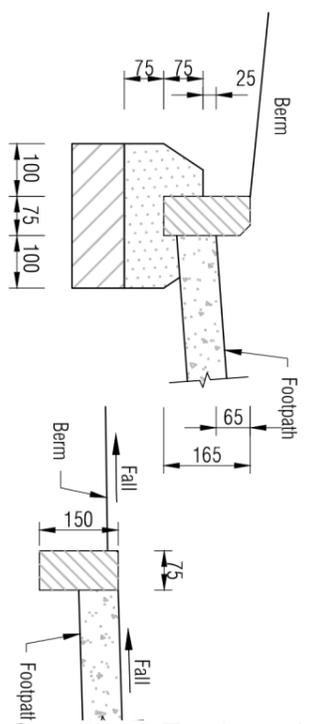
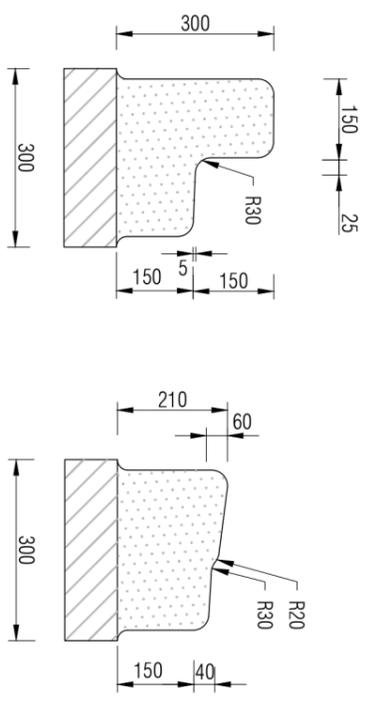
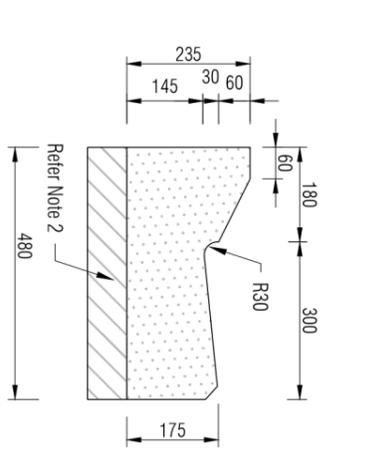
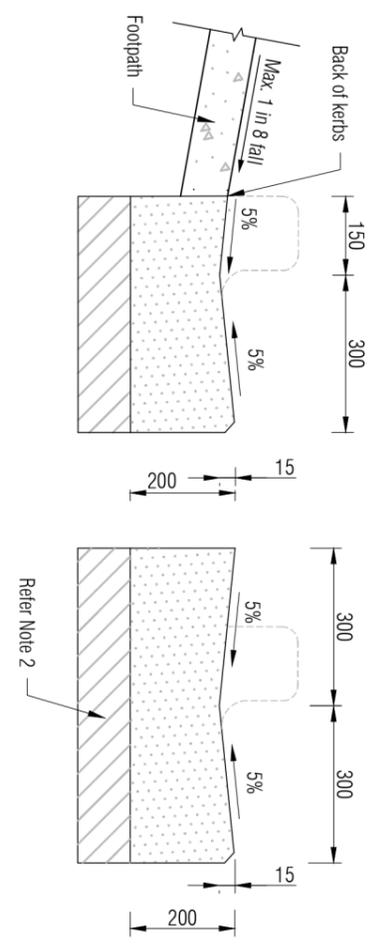


DRURY CENTRE-STAGE 2
 AT TDM - SUBSOIL DRAIN

STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2853-RD	



KC0002



TYPE 7 EXTRUDED STANDARD KERB ONLY TYPE 7C EXTRUDED KERB ONLY AT VEHICLE CROSSING

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

NOTES:

- 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 be located either side of vehicle crossings.
- 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.
- Concrete Grades:**
Precast kerb blocks 20 MPa. In-Situ channel and haunching 20 MPa. Extruded concrete 25 MPa fibre reinforced.
- All chamfers 20mm**
- 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
Kerb and channel - Type 3 - 8

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

REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	JK
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	NS
10 ISSUED FOR S67 RESPONSE	EW	15/08/25	CHECKED	GW
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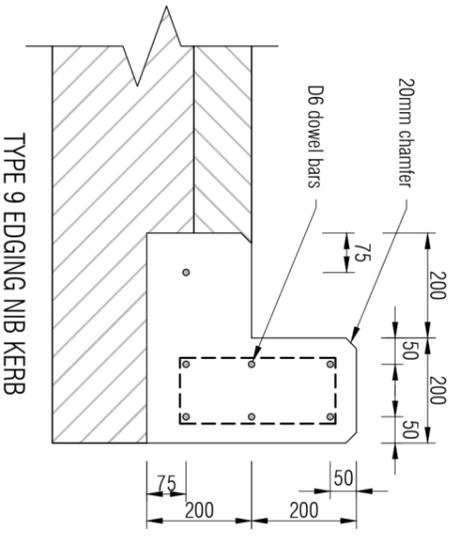


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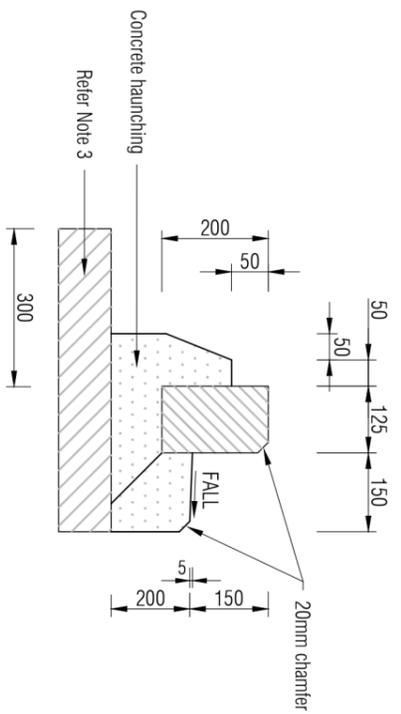


DRURY CENTRE-STAGE 2
AT TDM - KERB AND CHANNEL TYPE 3-8

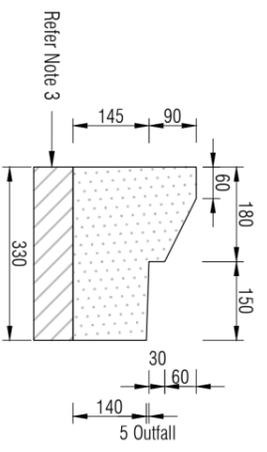
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SCALE	N.T.S	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2854-RD	



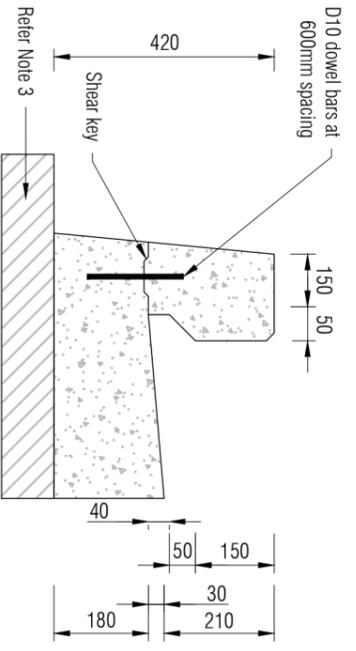
TYPE 9 EDGING NIB KERB



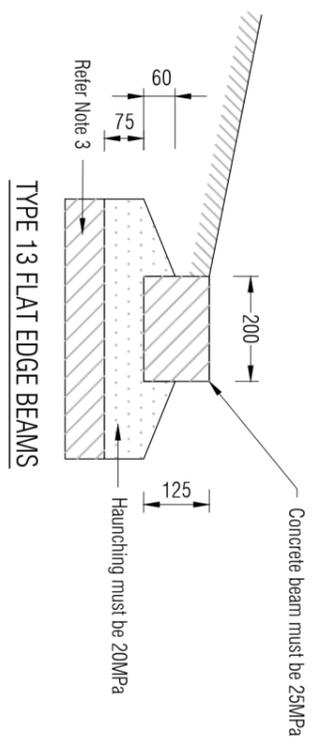
TYPE 10 KERB AND STUB



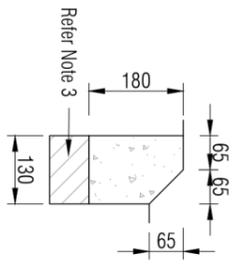
TYPE 11 MOUNTABLE NIB KERB



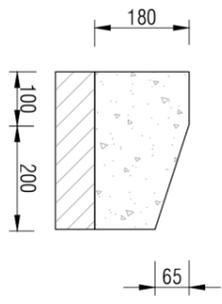
TYPE 12 RAISED NON-MOUNTABLE SAFETY KERB AND CHANNEL NIB



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. 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 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:	KC0003
Version:	B

REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	JK
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	NS
10 ISSUED FOR S67 RESPONSE	EW	15/08/25	CHECKED	GW
11 ISSUED FOR S67 RESPONSE	RO	17/09/255	APPROVED	CD



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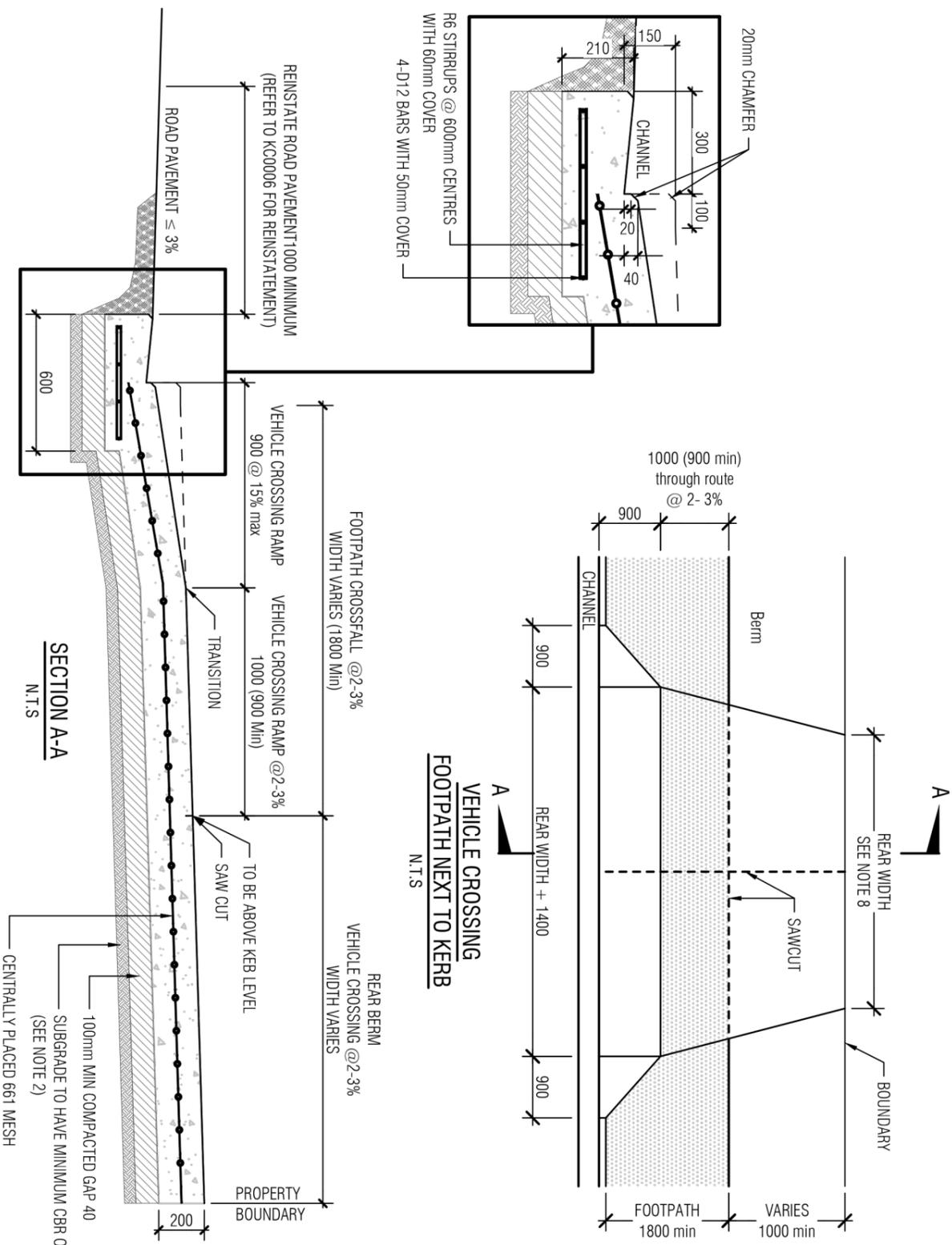
DRURY CENTRE-STAGE 2
AT TDM - KERB AND CHANNEL TYPE 9-15

STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2855-RD	



PERSPECTIVE VIEW
N.T.S

VX0202



- Notes:**
- All dimensions are in millimetres unless noted otherwise.
 - If CBR of existing Subgrade is < 3, Pavement Design should be provided and approved by Auckland Transport.
 - All concrete to be 20 MPa and constructed in accordance with NZS 3109 with a broom finish and contain upto 4kg/m³ black oxide.
 - Saw cut expansion joints at 4m centres maximum each way in addition to saw cuts shown on dwg.
 - Any existing infrastructure within the crossing may require specific design approval for relocation.
 - Construct in same material and finish as surrounding footpath.
 - Width of vehicle crossing to be designed by using tracking curves for intended large heavy vehicles.
 - Rear Width as permitted under Auckland Unitary Plan:
 - COMMERCIAL USE:
 - 3700-4000 - Single vehicle crossing
 - 6000-7000 - Double vehicle crossing
 - RESIDENTIAL USE:
 - 2750-3000 - Single vehicle crossing
 - 5500-6000 - Two-Way Shared Access
 - 3000-3500 - One-Way Shared Access
 - Formwork shall be full depth of concrete and straight.



TDM TECHNICAL STANDARDS
Commercial Vehicle Crossing (Sheet 2 of 4)

Date: 11/04/2022
SED No. VX0202
Version C

REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	JK
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	NS
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11 ISSUED FOR S67 RESPONSE	RO	17/09/255	APPROVED	CD

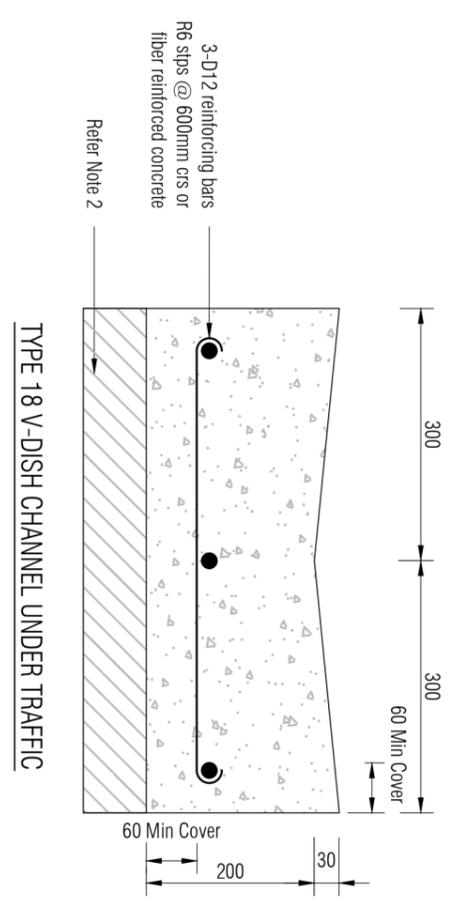
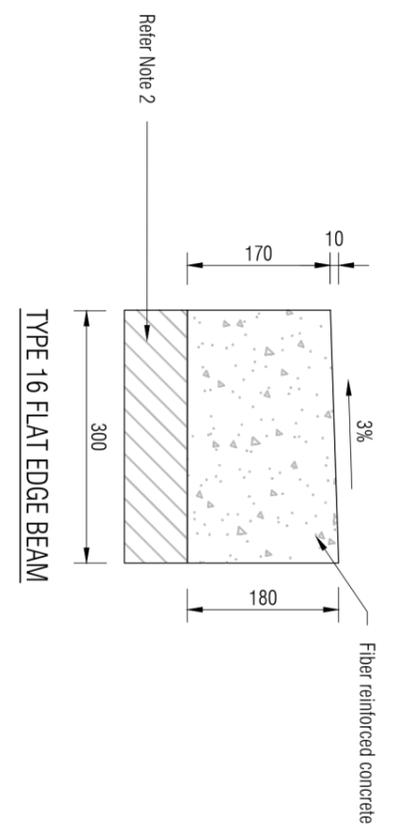
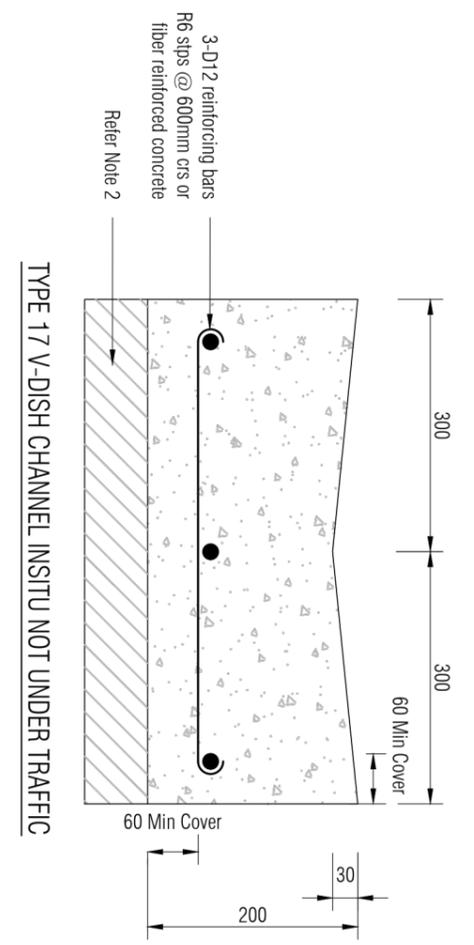


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DRURY CENTRE-STAGE 2
AT TDM - COMMERCIAL VEHICLE CROSSING

STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2856-RD	



- 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

Transport Design Manual | Standard Engineering Details



TDM TECHNICAL STANDARDS
V-Dish Channel - Type 16 to 18

Date: 29/07/2022
SED No: KC0004
Version: C

REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	JK
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	NS
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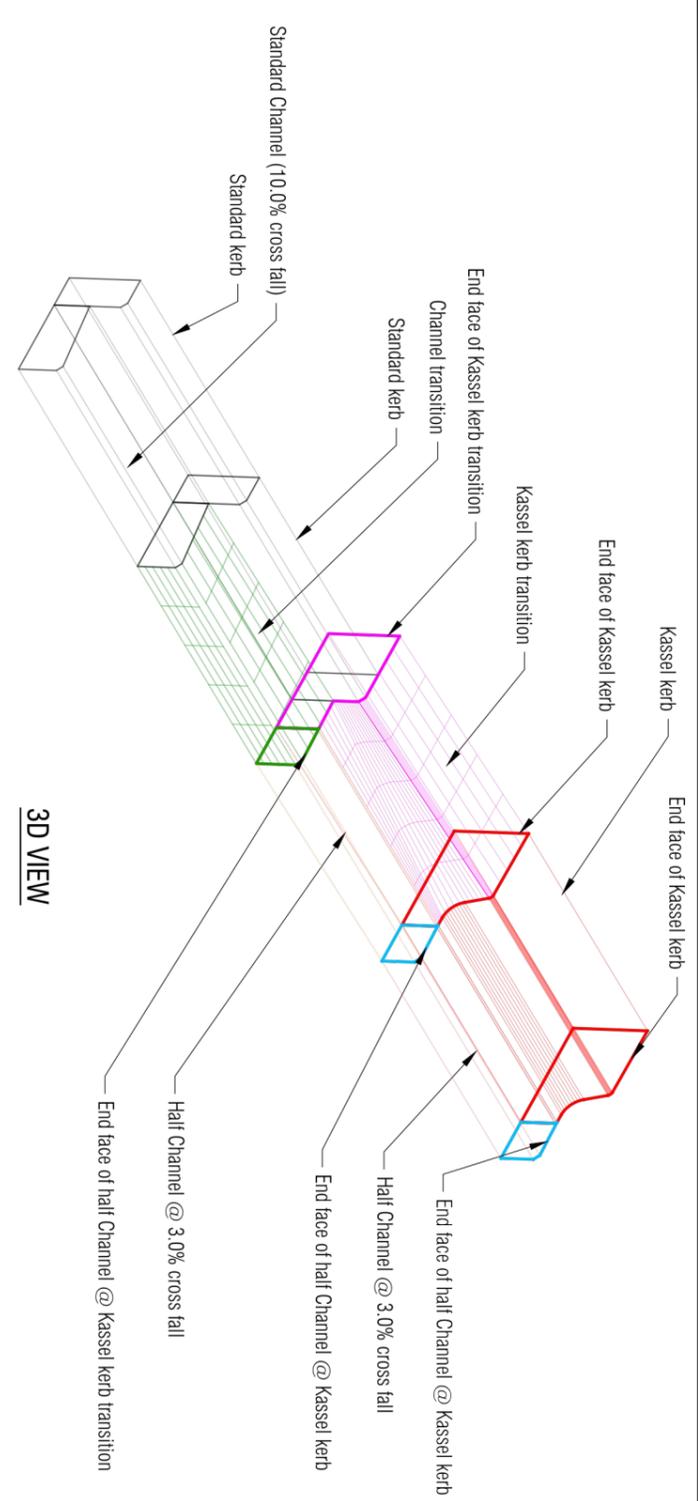


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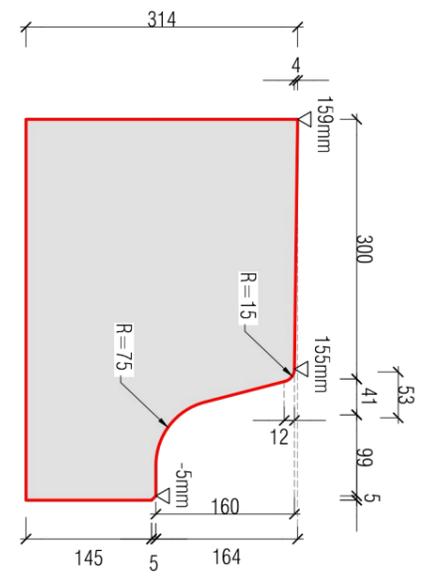
DRURY CENTRE-STAGE 2
AT TDM - KERB AND CHANNEL TYPE 16-18

STATUS	FOR S67 RESPONSE	REV
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COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-2857-RD	

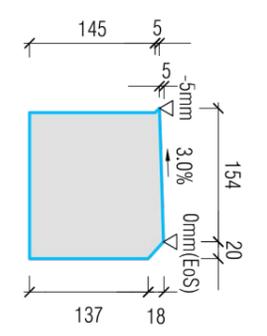


3D VIEW

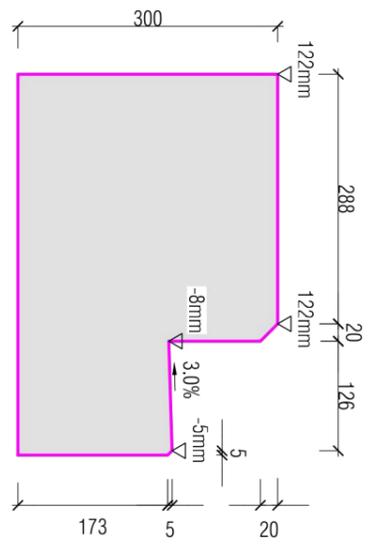
KC0030



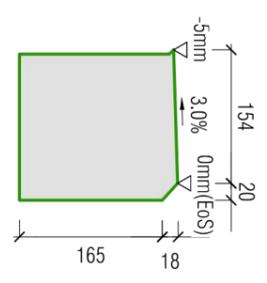
KASSEL KERB



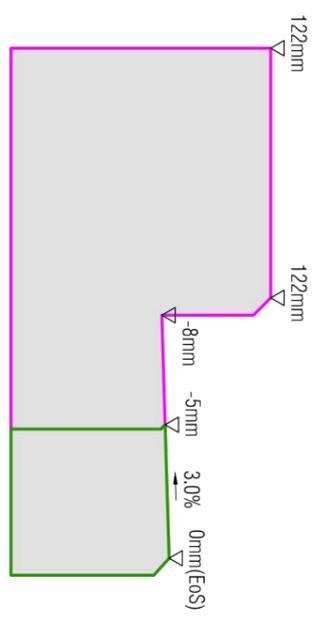
HALF CHANNEL @ KASSEL KERB



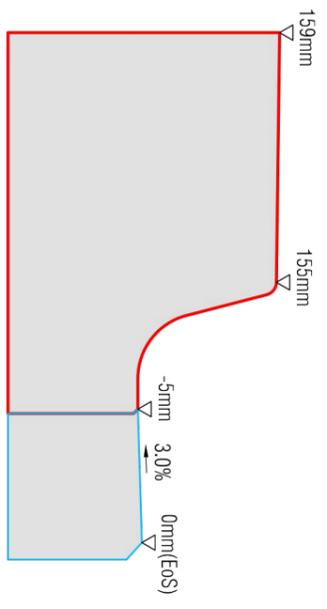
KASSEL KERB TRANSITION



HALF CHANNEL @ KASSEL KERB TRANSITION



KASSEL KERB TRANSITION AND HALF CHANNEL



KASSEL KERB AND HALF CHANNEL

NOTES

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: **29/07/2022**
SED No: **KC0030**
Version: **D**

REVISION DETAILS	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	NS
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10 ISSUED FOR S67 RESPONSE	EW	15/08/25	CHECKED	GW
11 ISSUED FOR S67 RESPONSE	RO	17/09/255	APPROVED	GW

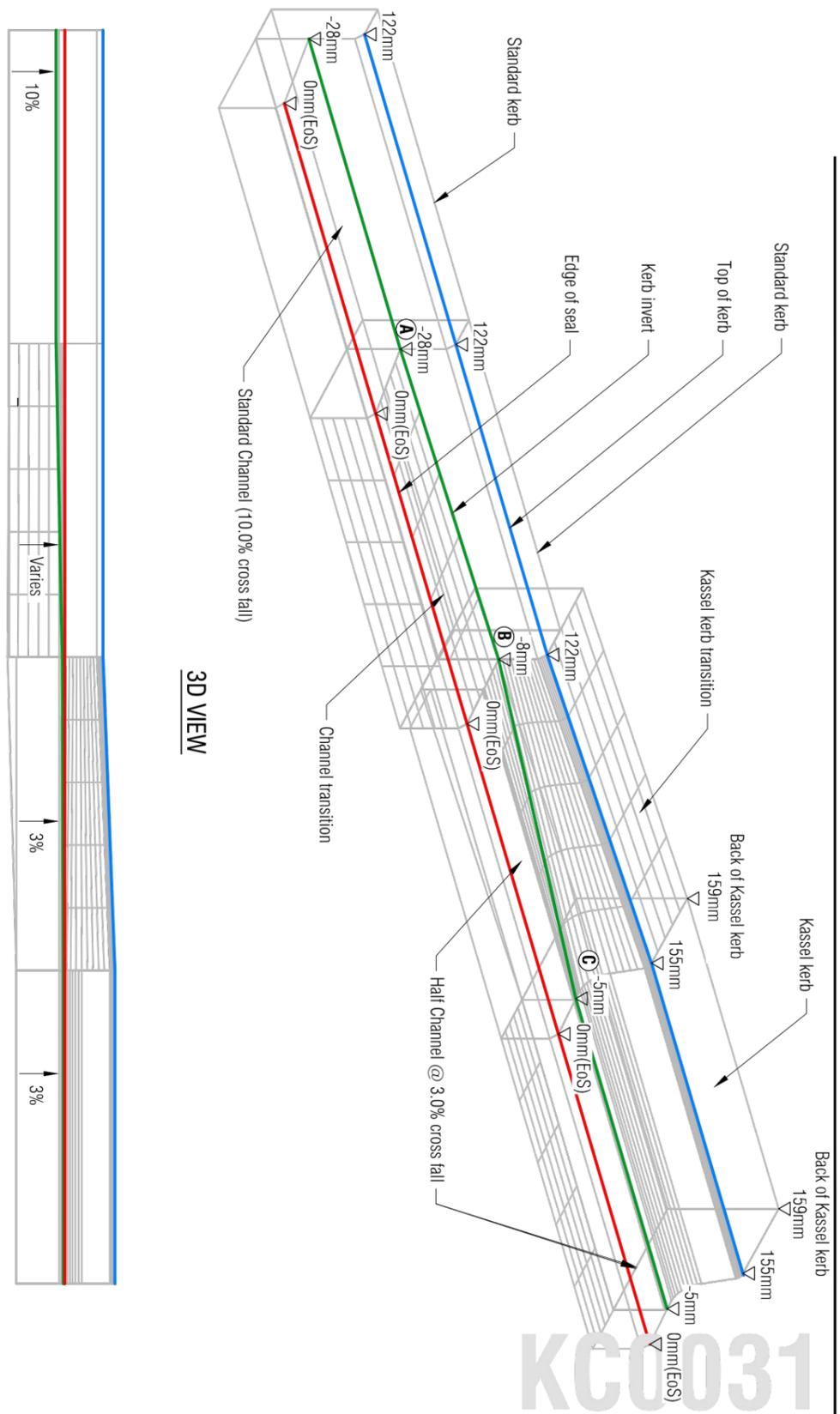


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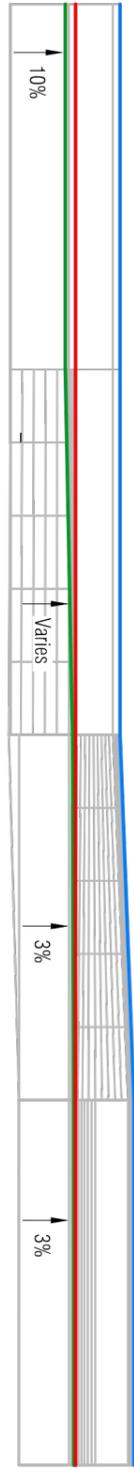


DRURY CENTRE-STAGE 2
AT TDM - KASSEL KERB AND CHANNEL TRANSITION (SHEET 1 OF 2)

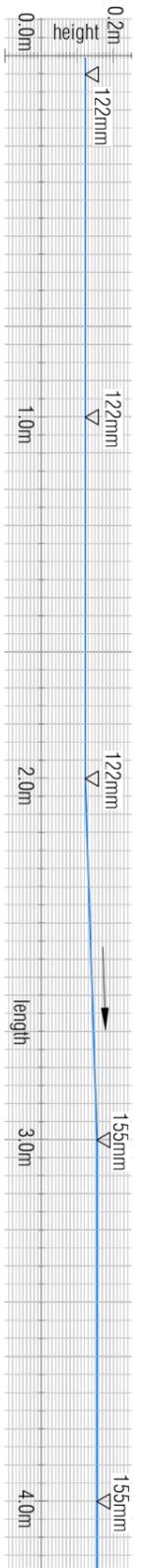
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SCALE	N.T.S	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P23-315-01-2858-RD	



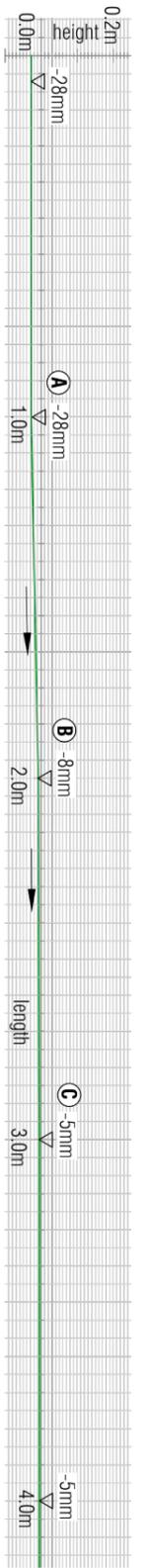
3D VIEW



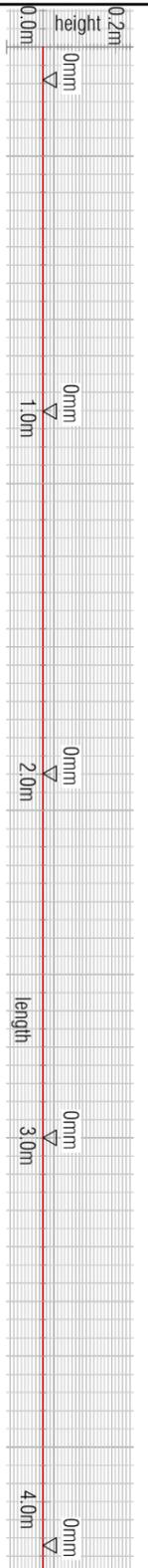
FRONT VIEW



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	INT	DATE	SURVEYED	
4 ISSUED FOR S67 RESPONSE	SM	17/07/25	DESIGNED	NS
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	NS
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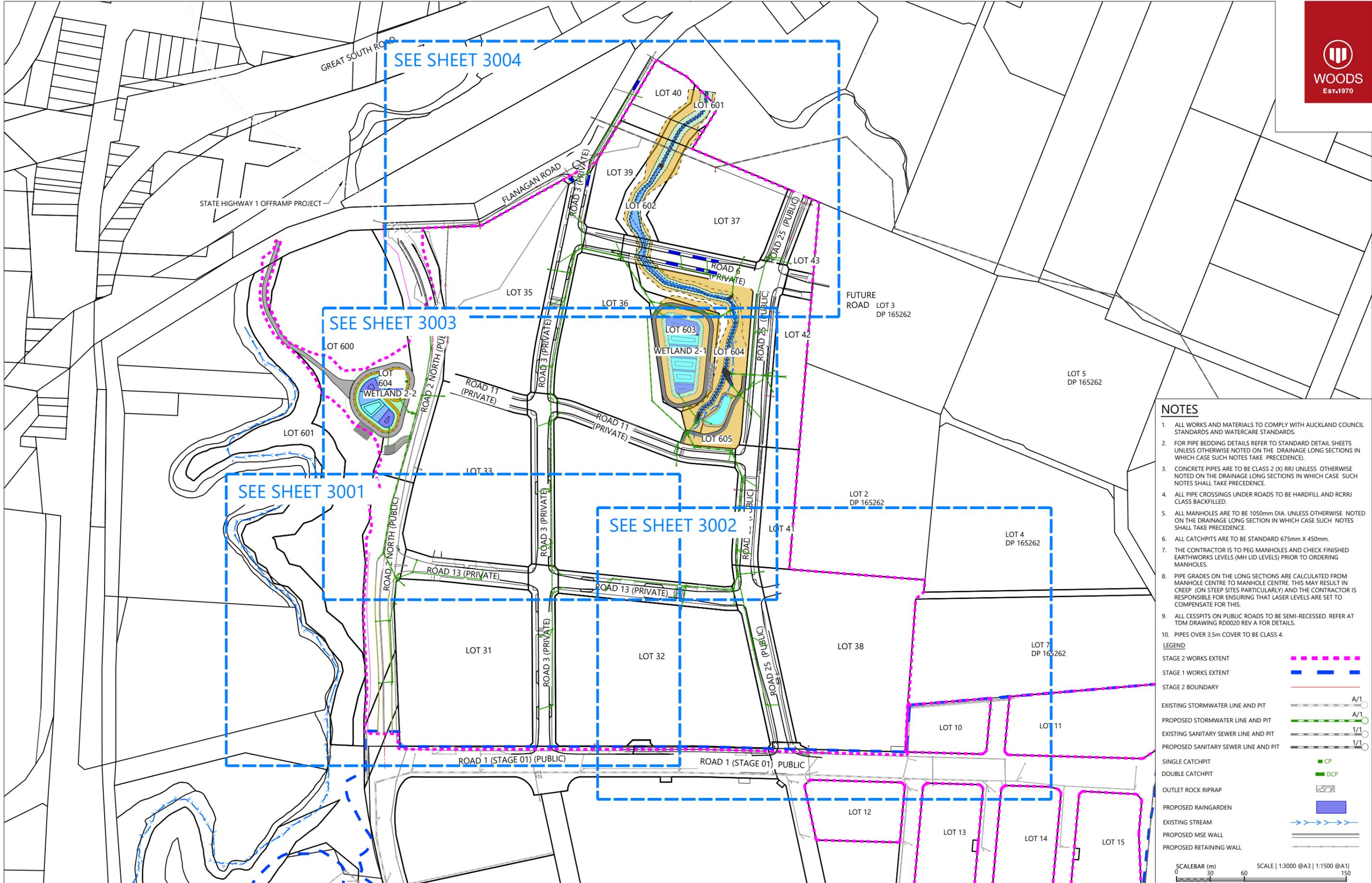


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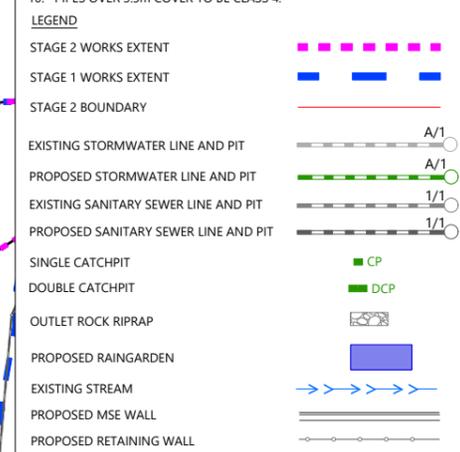


DRURY CENTRE-STAGE 2
AT TDM - KASSEL KERB AND CHANNEL TRANSITION (SHEET 2 OF 2)

STATUS	FOR S67 RESPONSE	REV
SCALE	N.T.S	11
COUNCIL	AUCKLAND COUNCIL	
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) RRJ 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.



REVISION DETAILS	INT	DATE	SURVEYED	MK
7 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	MK
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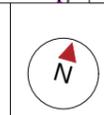


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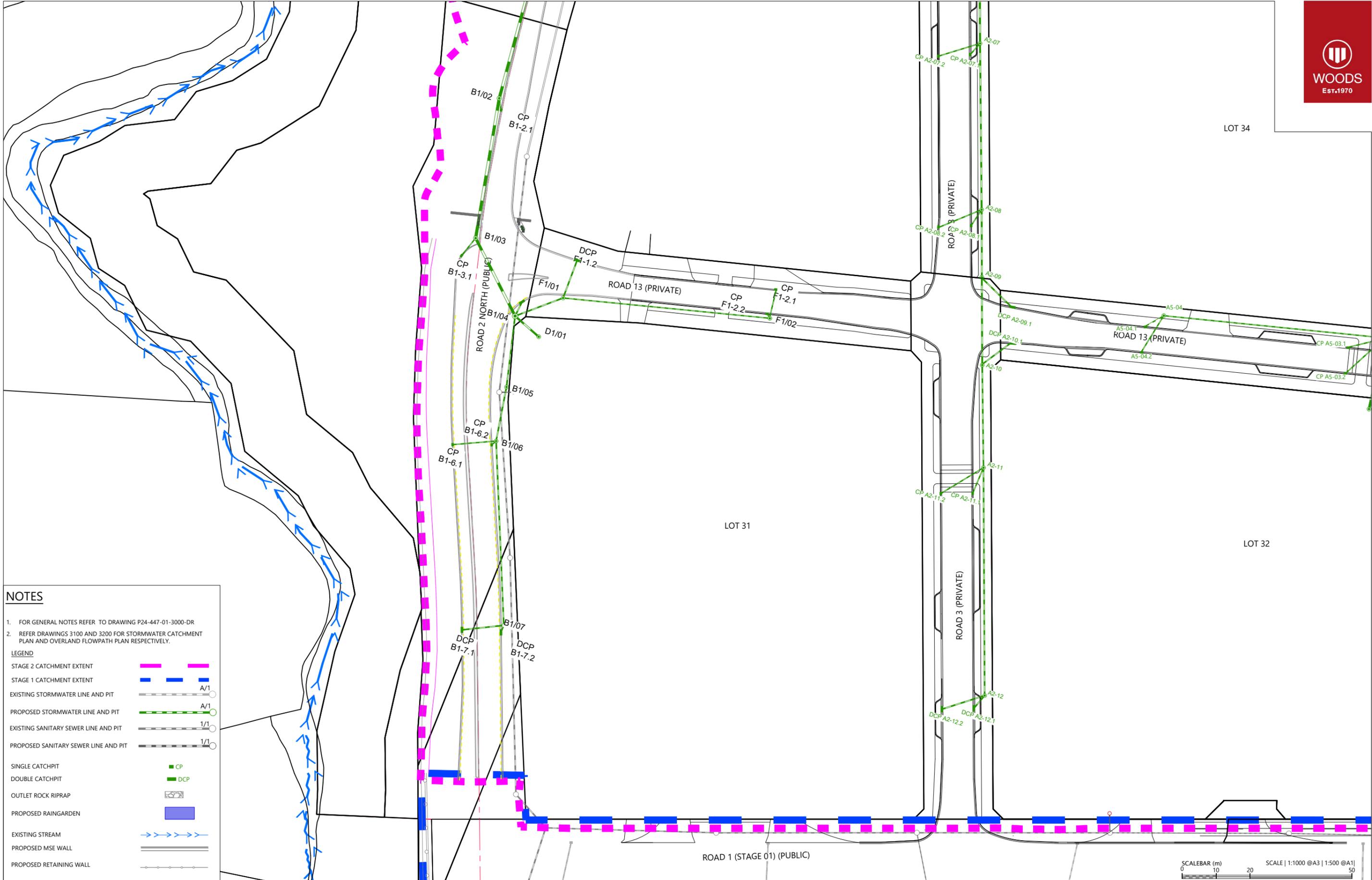


DRURY CENTRE-STAGE 2

OVERALL STORMWATER LAYOUT PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	11
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: [Pink dashed line]
- STAGE 1 CATCHMENT EXTENT: [Blue dashed line]
- EXISTING STORMWATER LINE AND PIT: [Grey dashed line with circle]
- PROPOSED STORMWATER LINE AND PIT: [Green dashed line with circle]
- EXISTING SANITARY SEWER LINE AND PIT: [Grey dashed line with circle]
- PROPOSED SANITARY SEWER LINE AND PIT: [Black dashed line with circle]
- SINGLE CATCHPIT: [Green square with 'CP']
- DOUBLE CATCHPIT: [Green square with 'DCP']
- OUTLET ROCK RIPRAP: [Grey hatched rectangle]
- PROPOSED RAINGARDEN: [Blue rectangle]
- EXISTING STREAM: [Blue line with arrows]
- PROPOSED MSE WALL: [Black double line]
- PROPOSED RETAINING WALL: [Black line with circles]

REVISION DETAILS	INT	DATE	SURVEYED	
7 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	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	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3001-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	A/1
PROPOSED STORMWATER LINE AND PIT	A/1
EXISTING SANITARY SEWER LINE AND PIT	1/1
PROPOSED SANITARY SEWER LINE AND PIT	1/1
SINGLE CATCHPIT	CP
DOUBLE CATCHPIT	DCP
OUTLET ROCK RIPRAP	
PROPOSED RAINGARDEN	
EXISTING STREAM	
PROPOSED MSE WALL	
PROPOSED RETAINING WALL	



REVISION DETAILS	INT	DATE	SURVEYED	
7 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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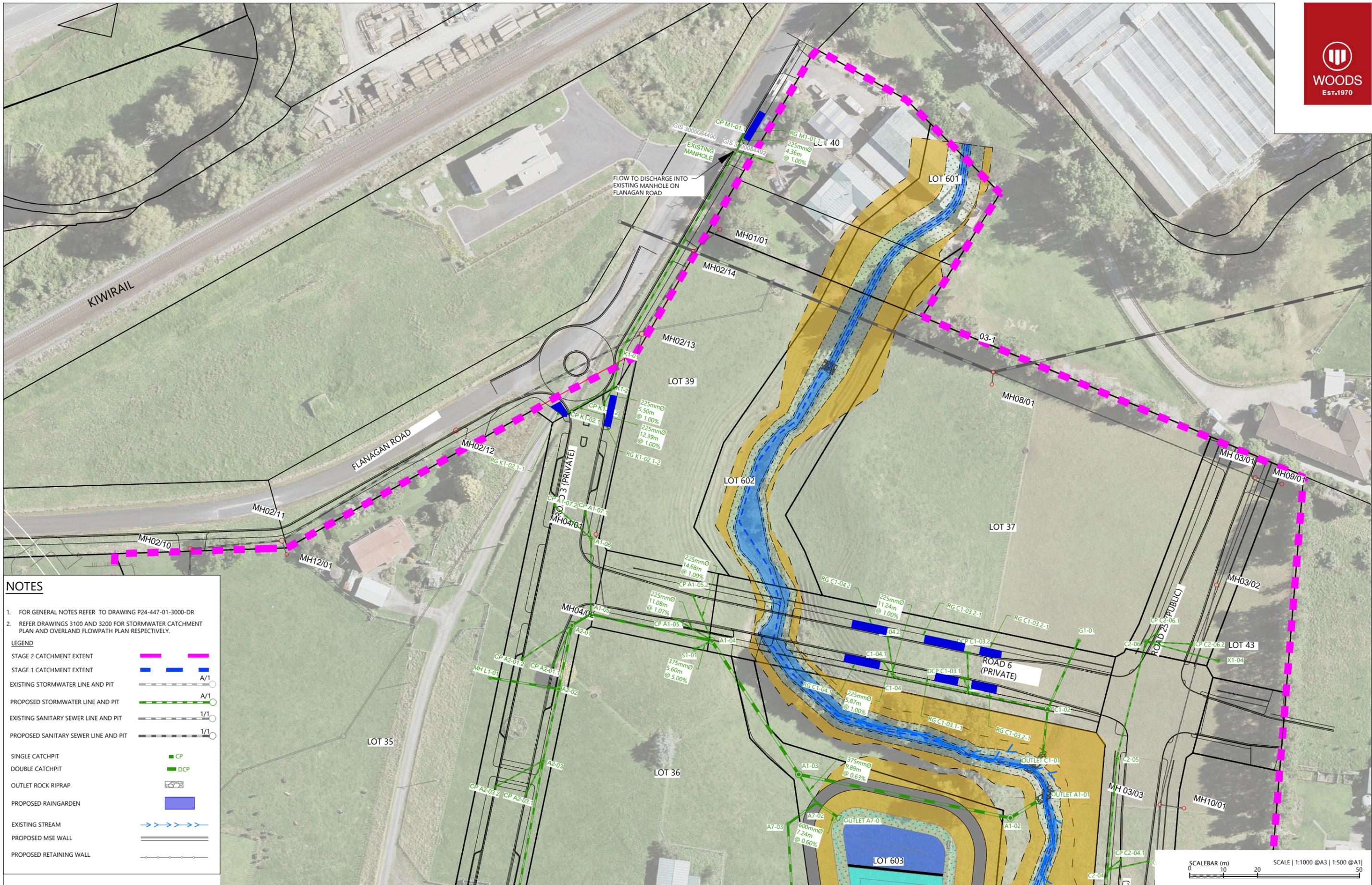


DRURY CENTRE-STAGE 2

STORMWATER LAYOUT PLAN (SHEET 2 OF 4)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3002-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: Pink dashed line
- STAGE 1 CATCHMENT EXTENT: Blue dashed line
- EXISTING STORMWATER LINE AND PIT: Grey dashed line with circle
- PROPOSED STORMWATER LINE AND PIT: Green dashed line with circle
- EXISTING SANITARY SEWER LINE AND PIT: Black dashed line with circle
- PROPOSED SANITARY SEWER LINE AND PIT: Black dashed line with circle
- SINGLE CATCHPIT: Green square
- DOUBLE CATCHPIT: Green square with 'DCP' label
- OUTLET ROCK RIPRAP: Blue hatched area
- PROPOSED RAINGARDEN: Blue shaded area
- EXISTING STREAM: Blue line with arrows
- PROPOSED MSE WALL: Double parallel lines
- PROPOSED RETAINING WALL: Line with circles

REVISION DETAILS	INT	DATE	SURVEYED	
7 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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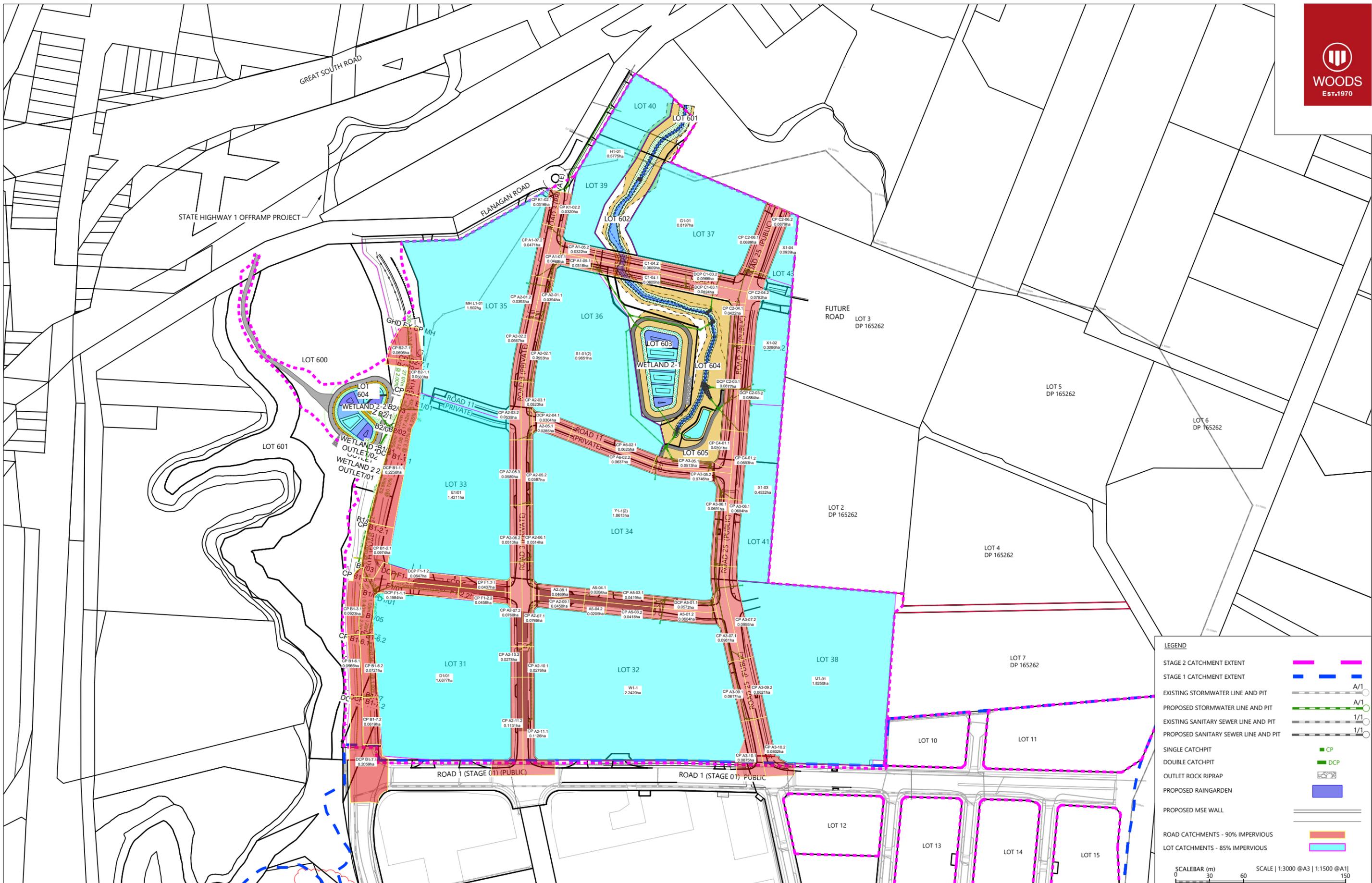


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DRURY CENTRE-STAGE 2
STORMWATER LAYOUT PLAN (SHEET 4 OF 4)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3004-DR	



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 ■ CP
- DOUBLE CATCHPIT ■ DCP
- OUTLET ROCK RIPRAP
- PROPOSED RAINGARDEN ■
- PROPOSED MSE WALL —
- ROAD CATCHMENTS - 90% IMPERVIOUS ■
- LOT CATCHMENTS - 85% IMPERVIOUS ■

SCALEBAR (m) SCALE | 1:3000 @A3 | 1:1500 @A1

0 30 60 150

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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DRURY CENTRE-STAGE 2
STORMWATER TREATMENT CATCHMENT PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3102-DR	



RAINGARDEN CATCHMENT SUMMARY					
ROADSIDE RAINGARDENS					
RAINGARDEN	CATCHMENT IMPERV AREA %	TOTAL CONTRIBUTING CATCHMENT (m ²)	CATCHMENT IMPERV AREA (m ²)	PONDING FOOTPRINT (m ²)	PONDING FOOTPRINT AS % OF IMPERV 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	

DIVERSION MANHOLE; FLOWS UP TO THE 95% PERCENTILE 24-HOUR RAINFALL EVENT TO BE DIVERTED TO COMMUNITY RAINGARDEN. FLOWS IN EXCESS OF THESE FLOWS TO DISCHARGE DIRECTLY INTO STREAM A.

DIVERSION MANHOLE; FLOWS UP TO THE 95% PERCENTILE 24-HOUR RAINFALL EVENT TO BE DIVERTED TO WETLAND 2-1. FLOWS IN EXCESS OF THESE FLOWS TO DISCHARGE DIRECTLY INTO STREAM A.

DIVERSION MANHOLE; FLOWS UP TO THE 95% PERCENTILE 24-HOUR RAINFALL EVENT TO BE DIVERTED TO WETLAND 2-1. FLOWS IN EXCESS OF THESE FLOWS TO DISCHARGE DIRECTLY INTO STREAM A.

STATE HIGHWAY 1 OFFRAMP PROJECT

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 SCALE | 1:3000 @A3 | 1:1500 @A1 | 1:750 @A2

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



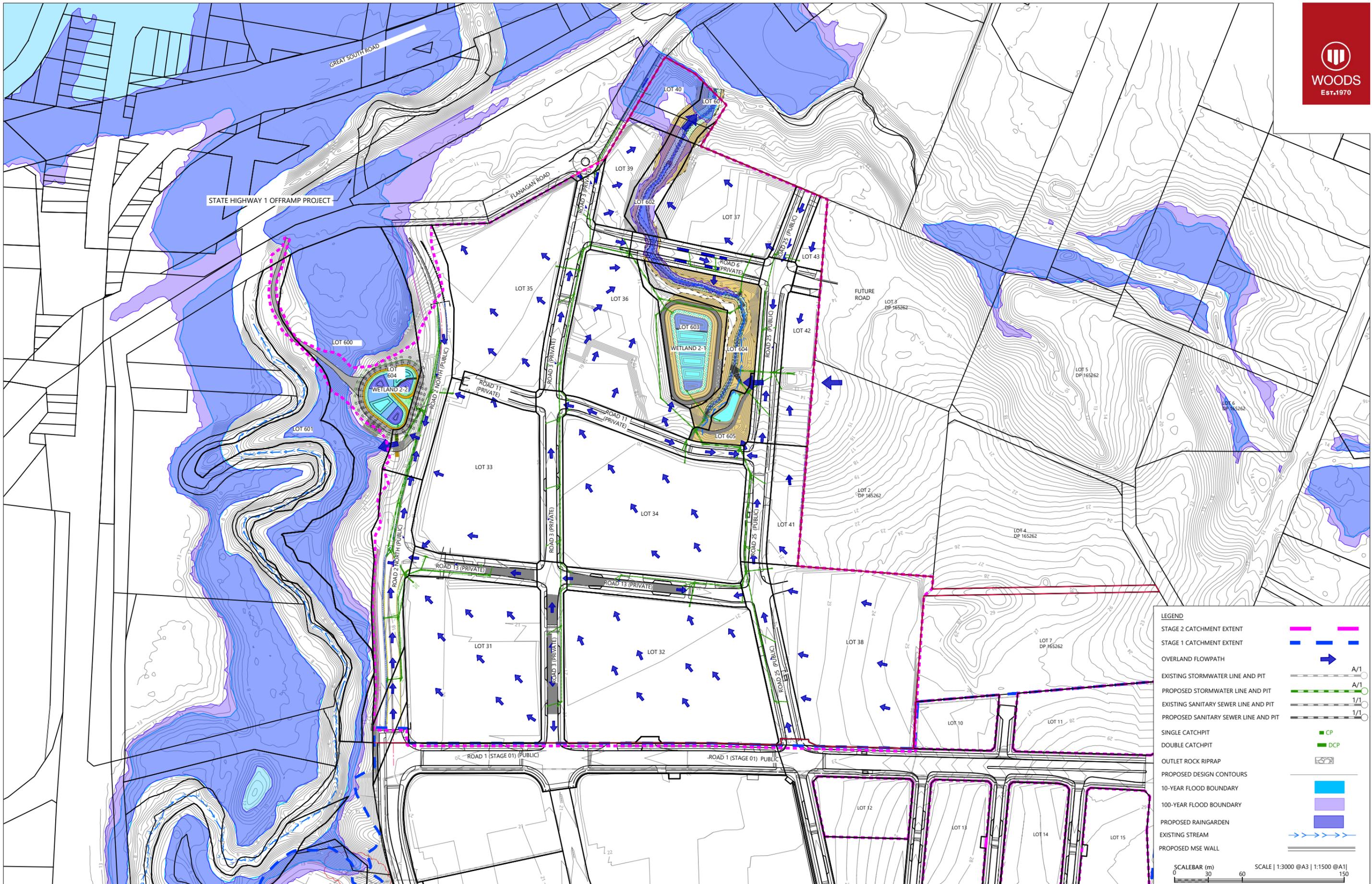
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DRURY CENTRE-STAGE 2
STORMWATER TREATMENT CATCHMENT PLAN



STATUS	FOR S67 RESPONSE	REV	
SCALE	1:3000 @ A3		11
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-3103-DR		



Plot Date: 4:50:28 pm, 17 September 2025, GLENNW
File: C:\1205\ENERGY\DATA\WP-PEN-APP-01\P24-447 - DRURY CENTRE - STAGE 2_22140\02 DRAWINGS\01 ENG\P24-447-01-3200-DR_OVERLAND FLOWPATH PLAN.DWG

REVISION DETAILS	INT	DATE	SURVEYED	
6 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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DRURY CENTRE-STAGE 2

PROPOSED OVERLAND FLOWPATH PLAN



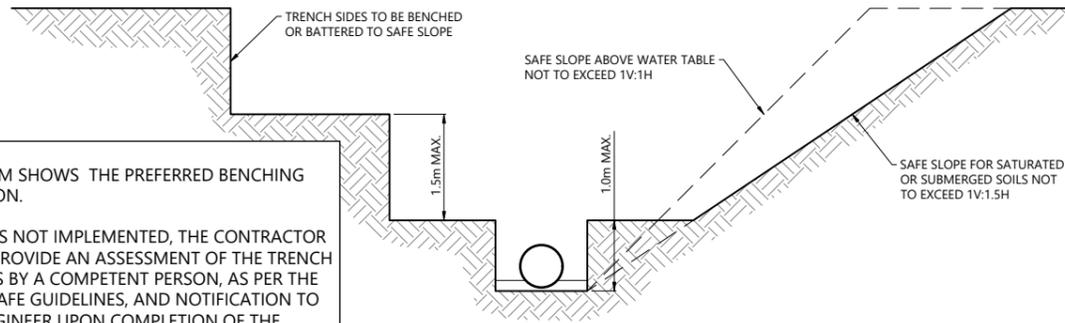
STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3200-DR	

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

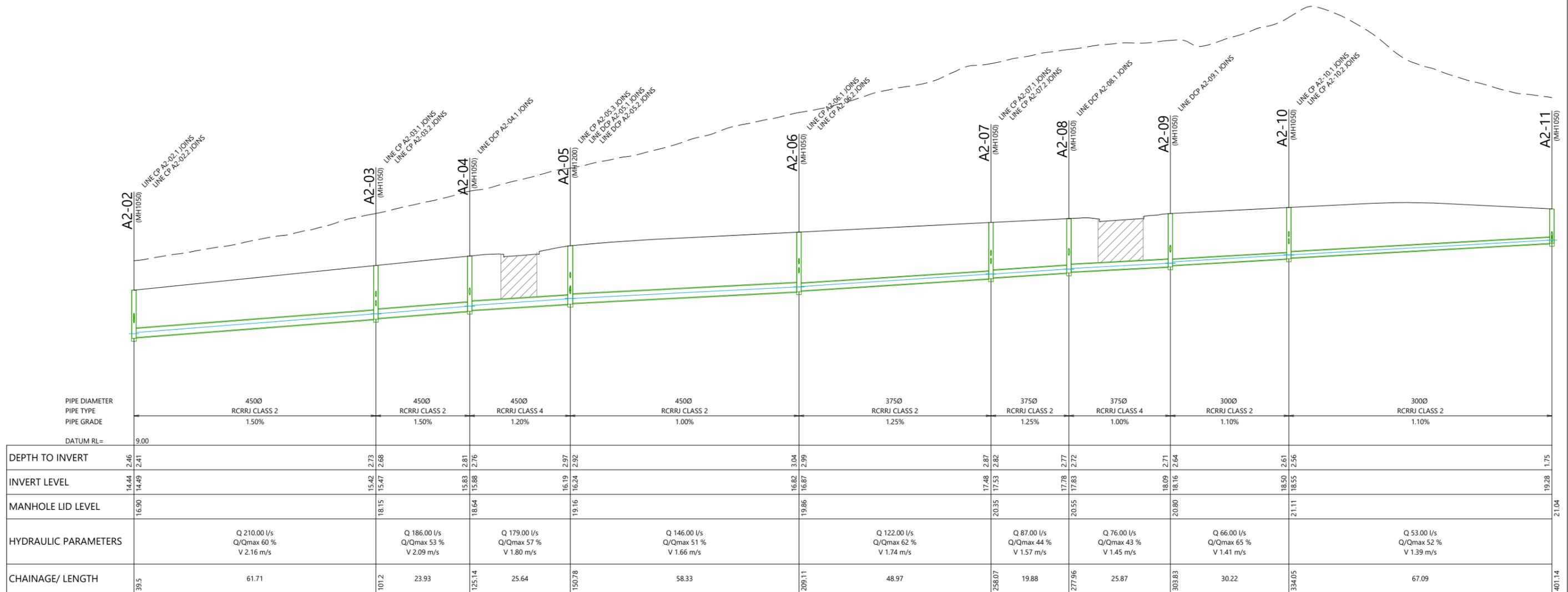


NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

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



A2

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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

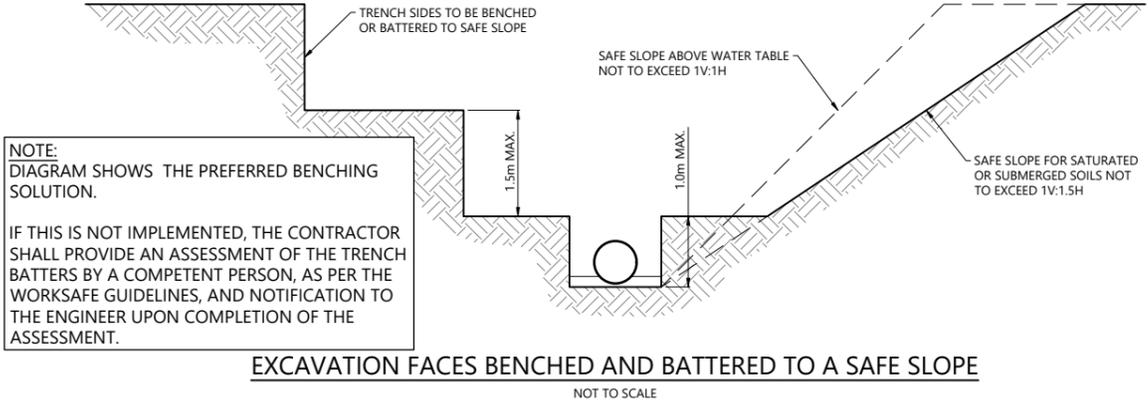
STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3501-DR	

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.

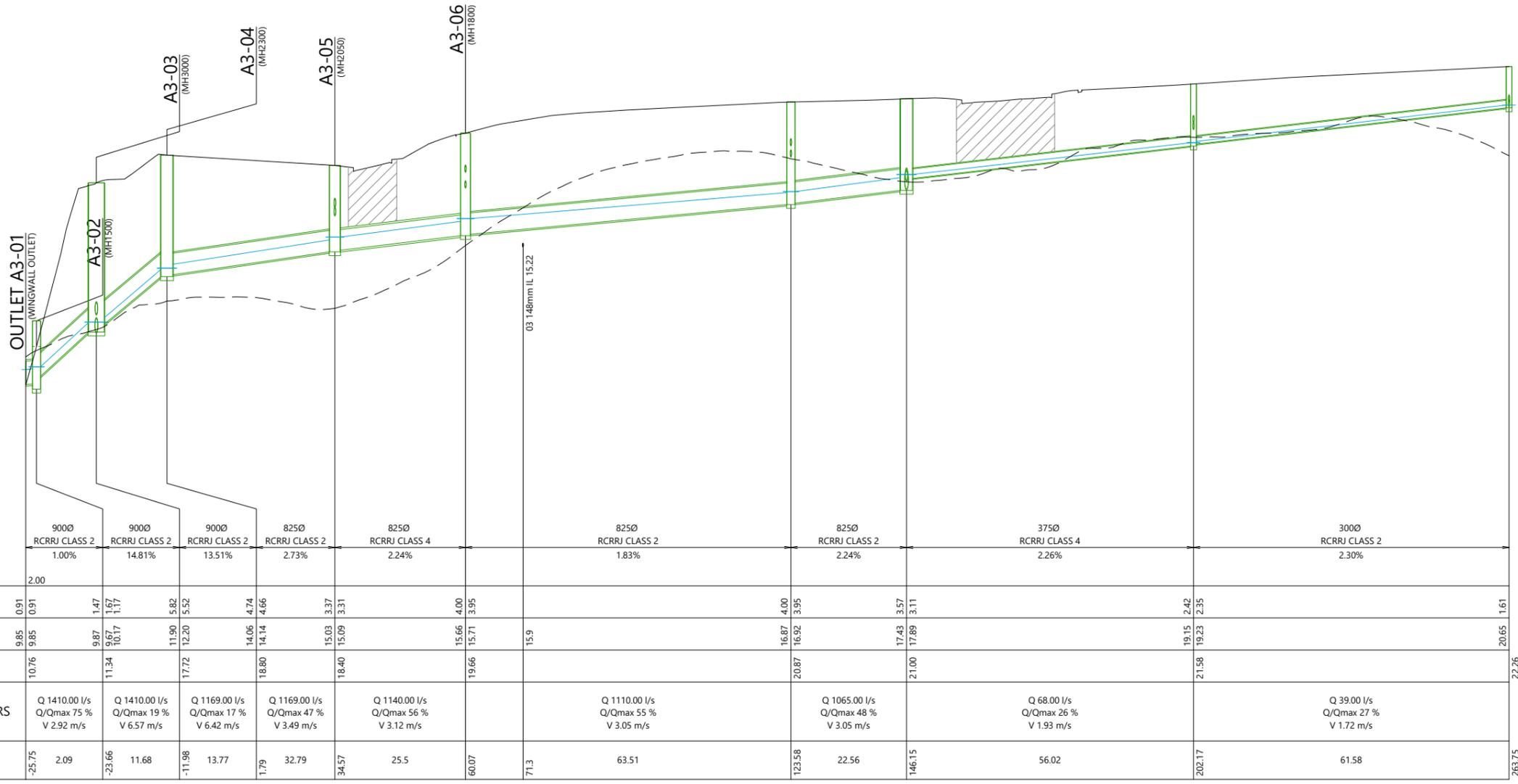
LEGEND

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

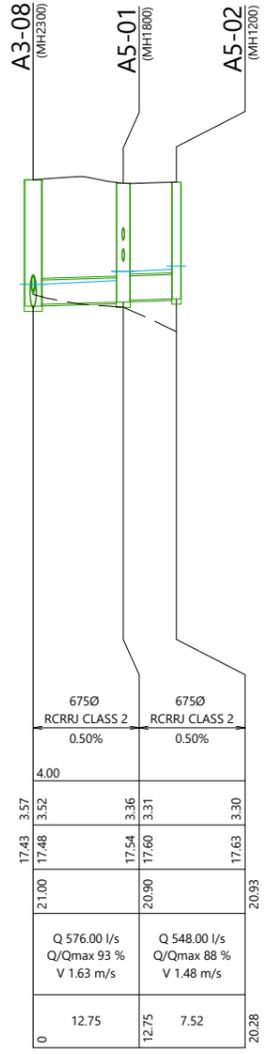


EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE

NOT TO SCALE



A3



A5

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

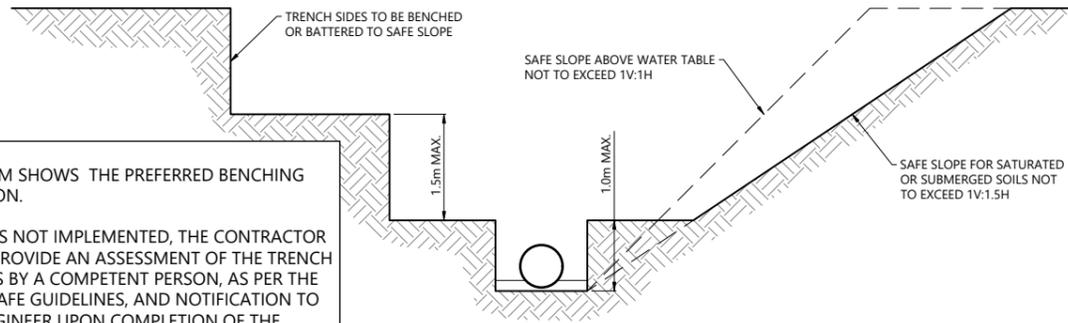


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DRURY CENTRE-STAGE 2
STORMWATER LONGSECTION (SHEET 3 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3502-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.

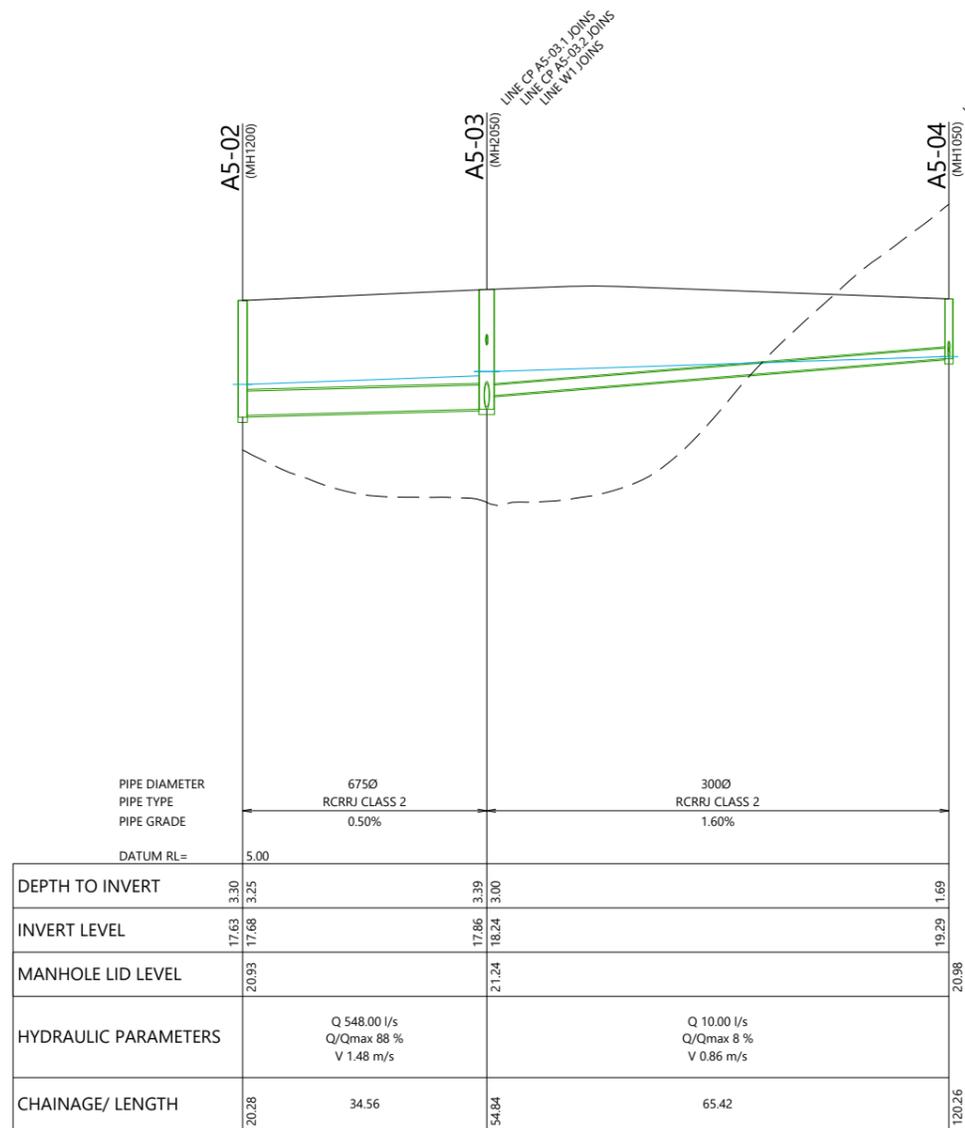
EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE
 NOT TO SCALE

NOTES

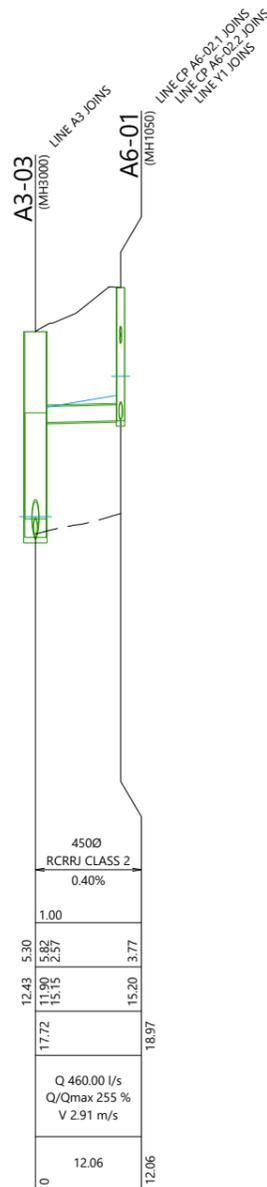
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2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
3. VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
4. IN ALL CASES, PIPES CLASHES SHOULD 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

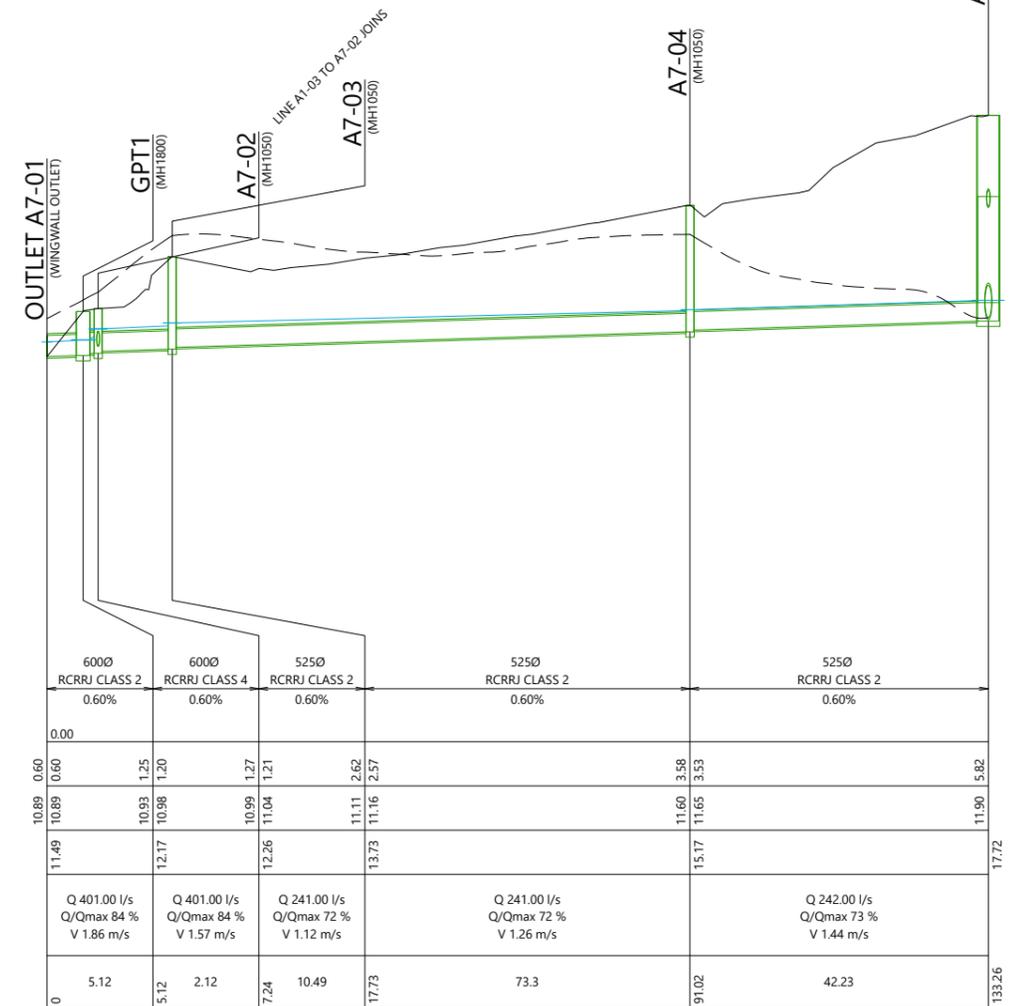
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



A5



A6-02 TO A3-04



A7

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

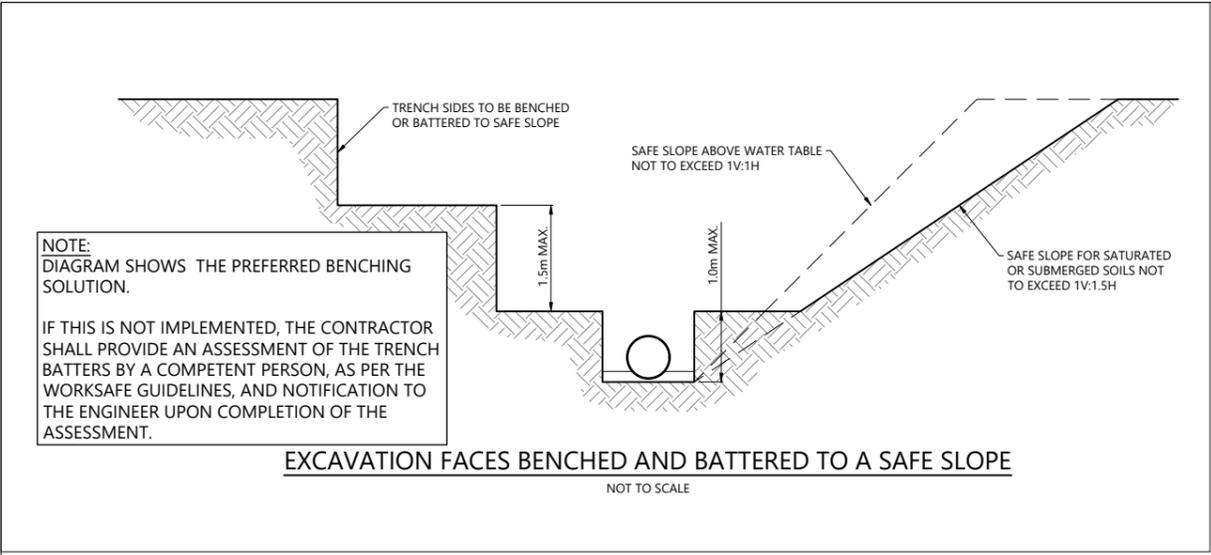


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DRURY CENTRE-STAGE 2
 STORMWATER LONGSECTION (SHEET 4 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3503-DR	



EXCAVATION FACES BENCED AND BATTERED TO A SAFE SLOPE

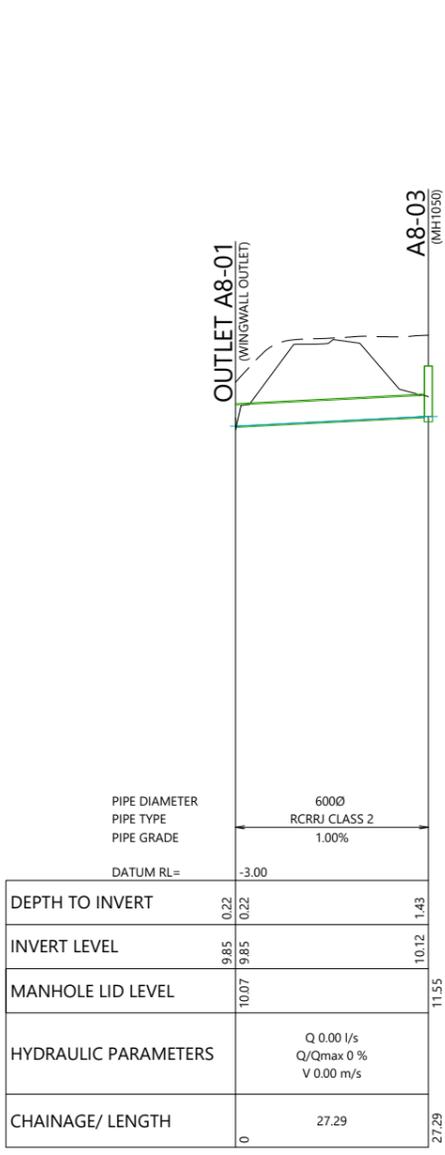
NOT TO SCALE

NOTES

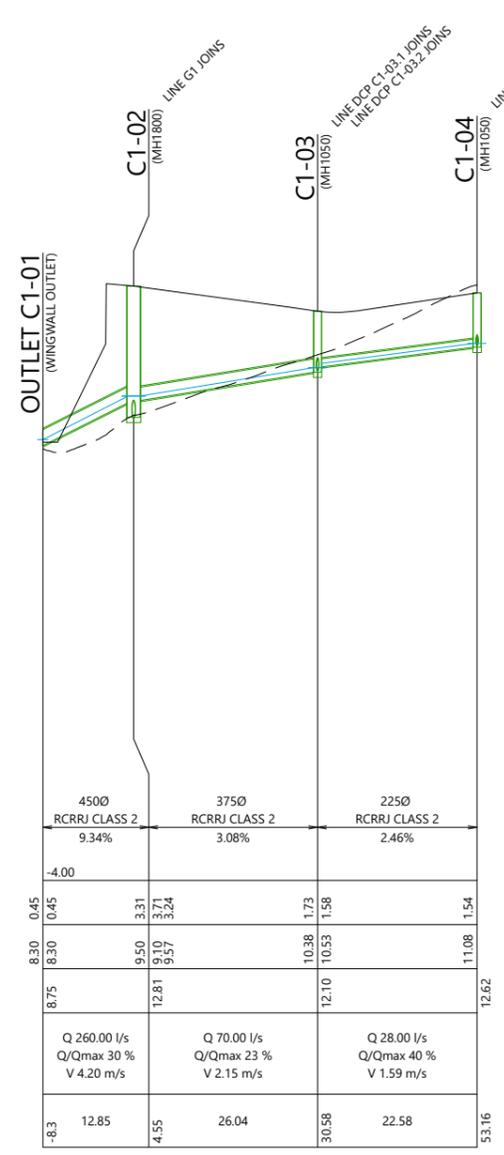
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2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
3. VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
4. IN ALL CASES, PIPES CLASHES SHOULD 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

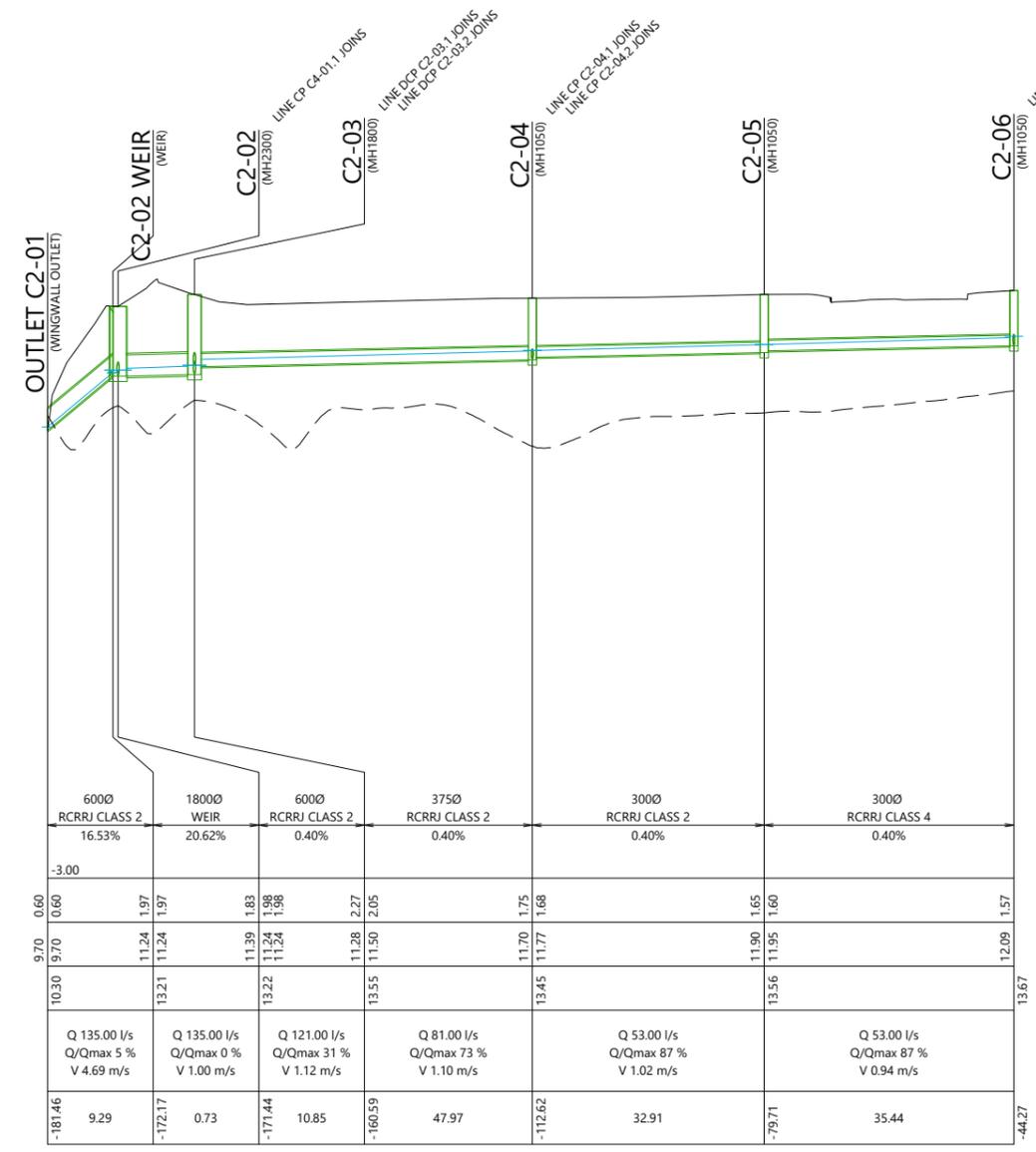
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



A8



C1



C2

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

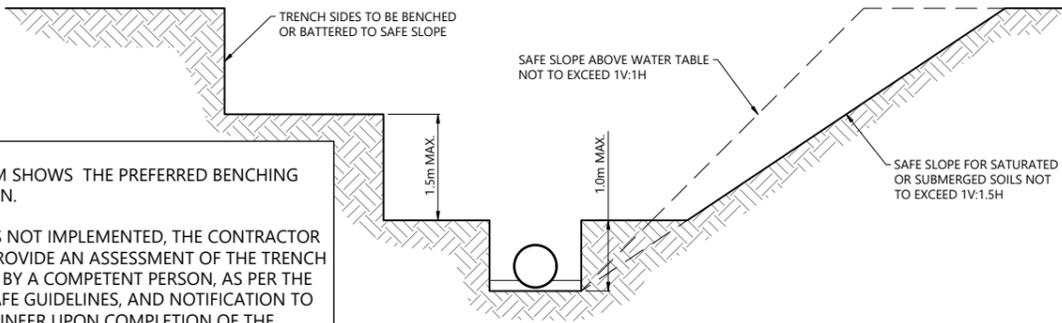


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DRURY CENTRE-STAGE 2
STORMWATER LONGSECTION (SHEET 5 OF 19)

STATUS	FOR S67 RESPONSE	REV	
SCALE	H 1:1000 @ A3 V 1:200 @ A3		11
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-3504-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

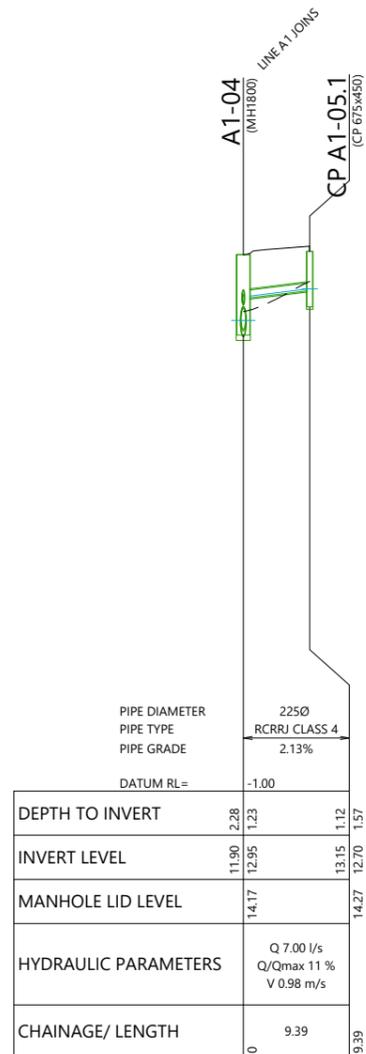
NOT TO SCALE

NOTES

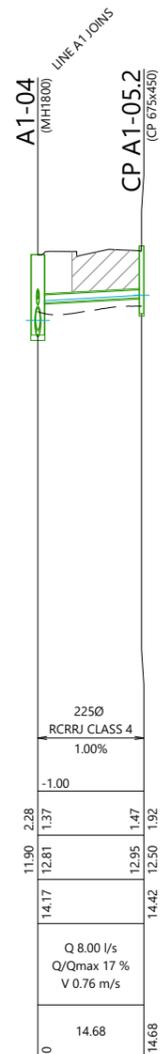
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2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
3. VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
4. IN ALL CASES, PIPES CLASHES SHOULD 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

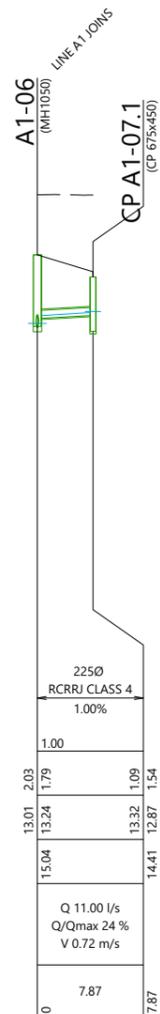
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



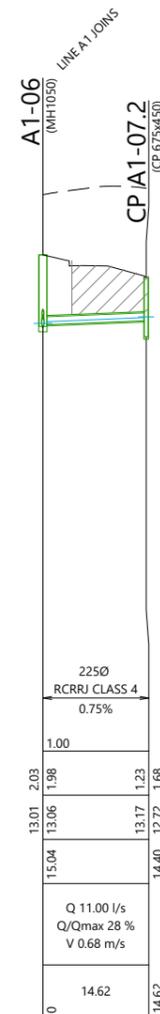
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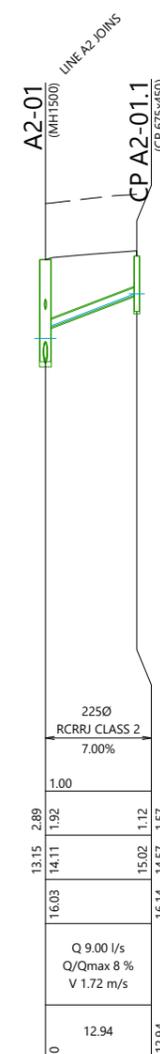
CP A1-05.2



CP A1-07.1



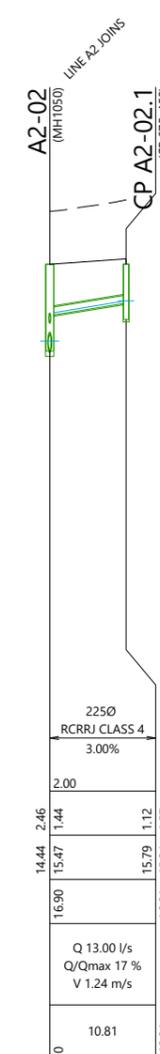
CP A1-07.2



CP A2-01.1



CP A2-01.2



CP A2-02.1

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



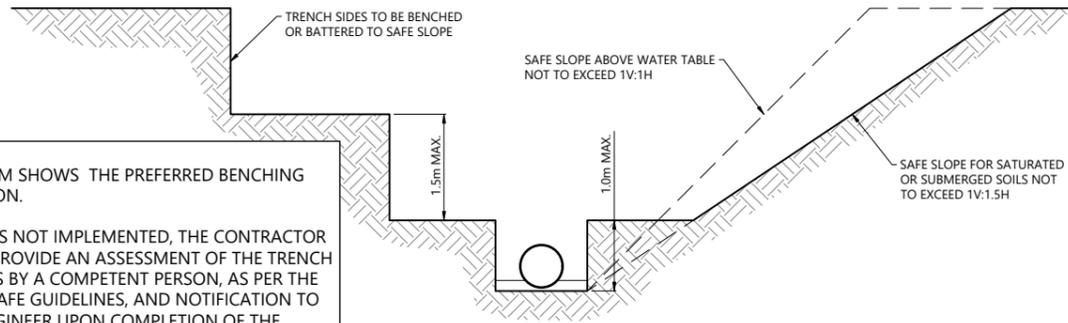
BUILDING B, LEVEL 1
 8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
 STORMWATER LONGSECTION (SHEET 6 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3505-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

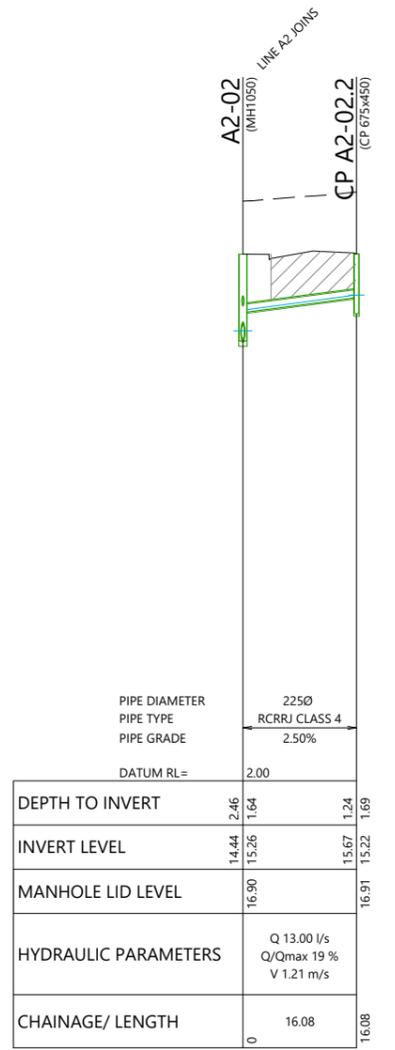
NOT TO SCALE

NOTES

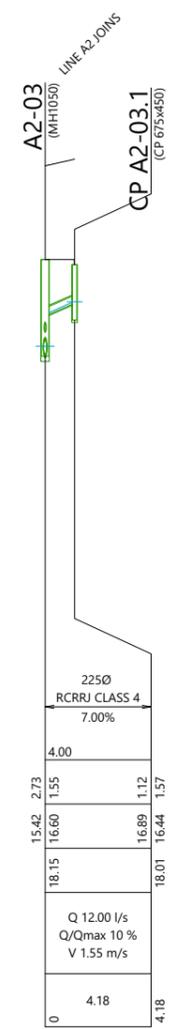
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
3. VERTICAL CLEARANCES BETWEEN 500mm AND 300mm TO UTILISE HARD FILL BACKFILL BETWEEN CLASH.
4. IN ALL CASES, PIPES CLASHES 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

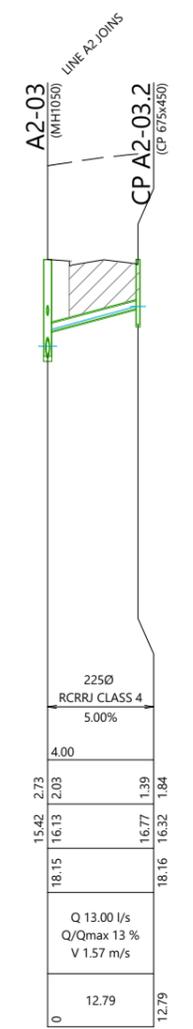
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



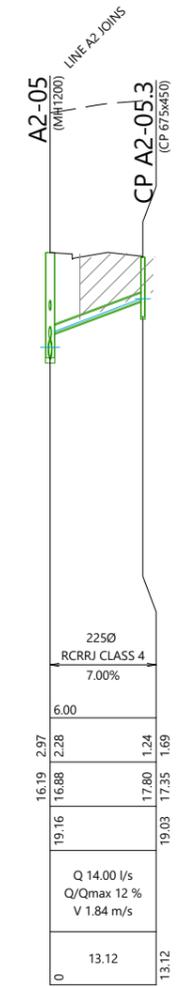
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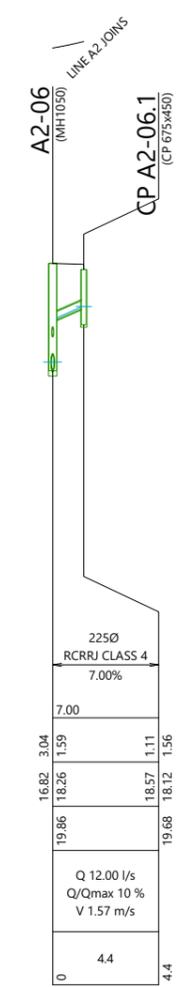
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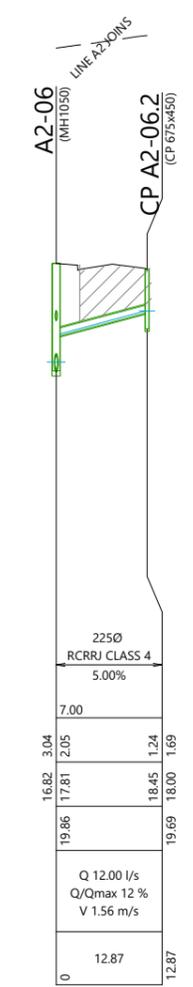
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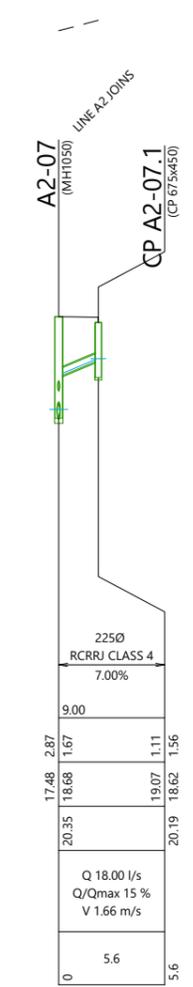
CP A2-05.3



CP A2-06.1



CP A2-06.2



CP A2-07.1

REVISION DETAILS	INT	DATE	SURVEYED
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED CD

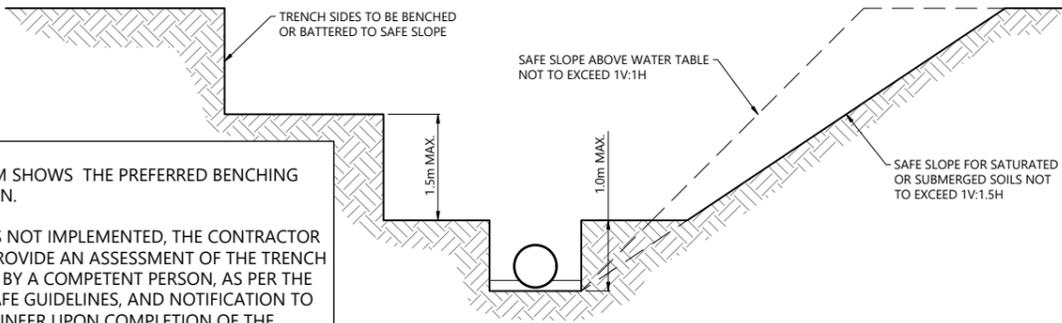


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DRURY CENTRE-STAGE 2
 STORMWATER LONGSECTION (SHEET 7 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3506-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

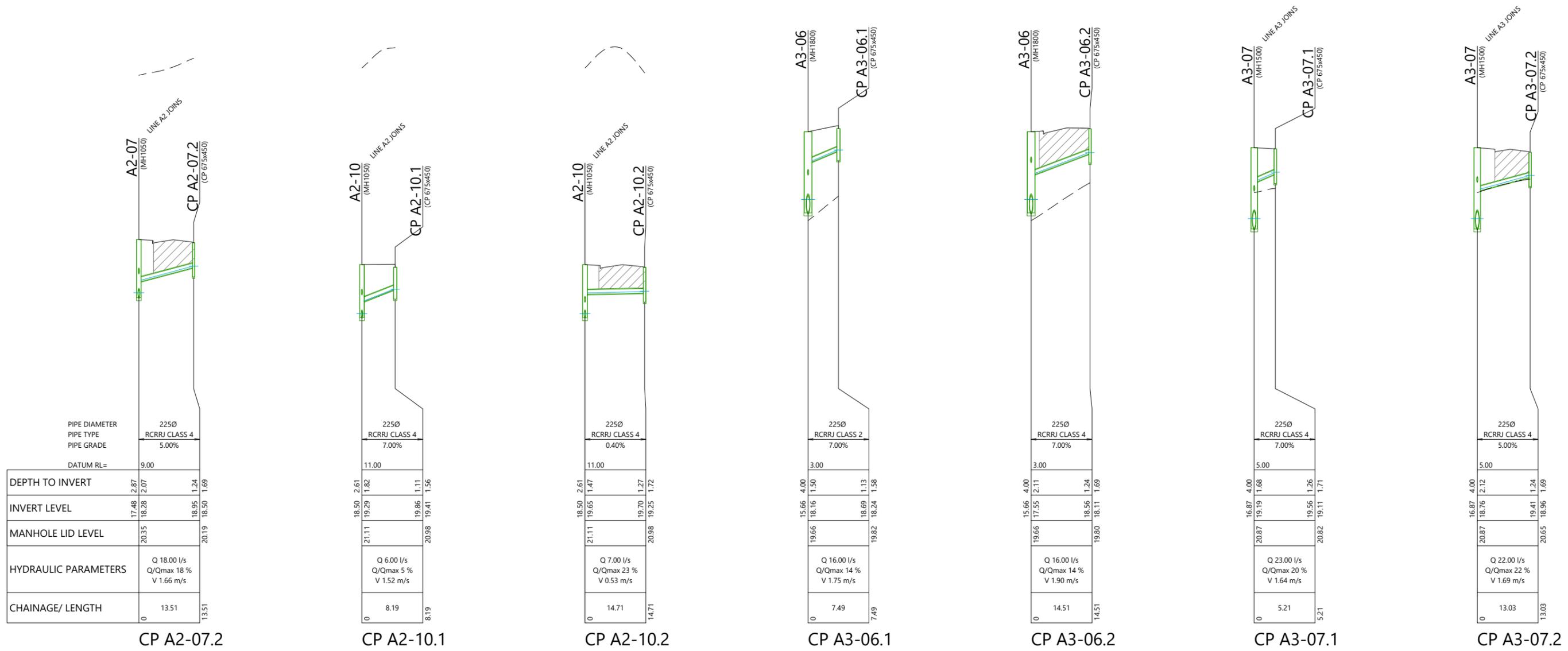
NOT TO SCALE

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
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED CD



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DRURY CENTRE-STAGE 2
 STORMWATER LONGSECTION (SHEET 8 OF 19)

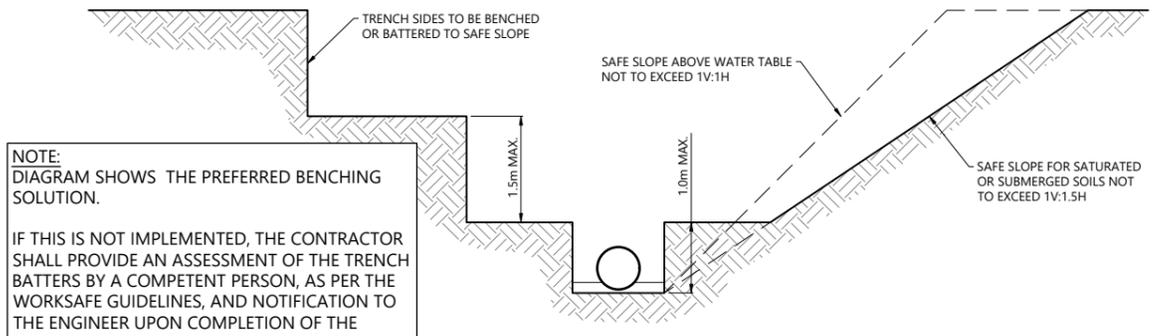
STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3507-DR	

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

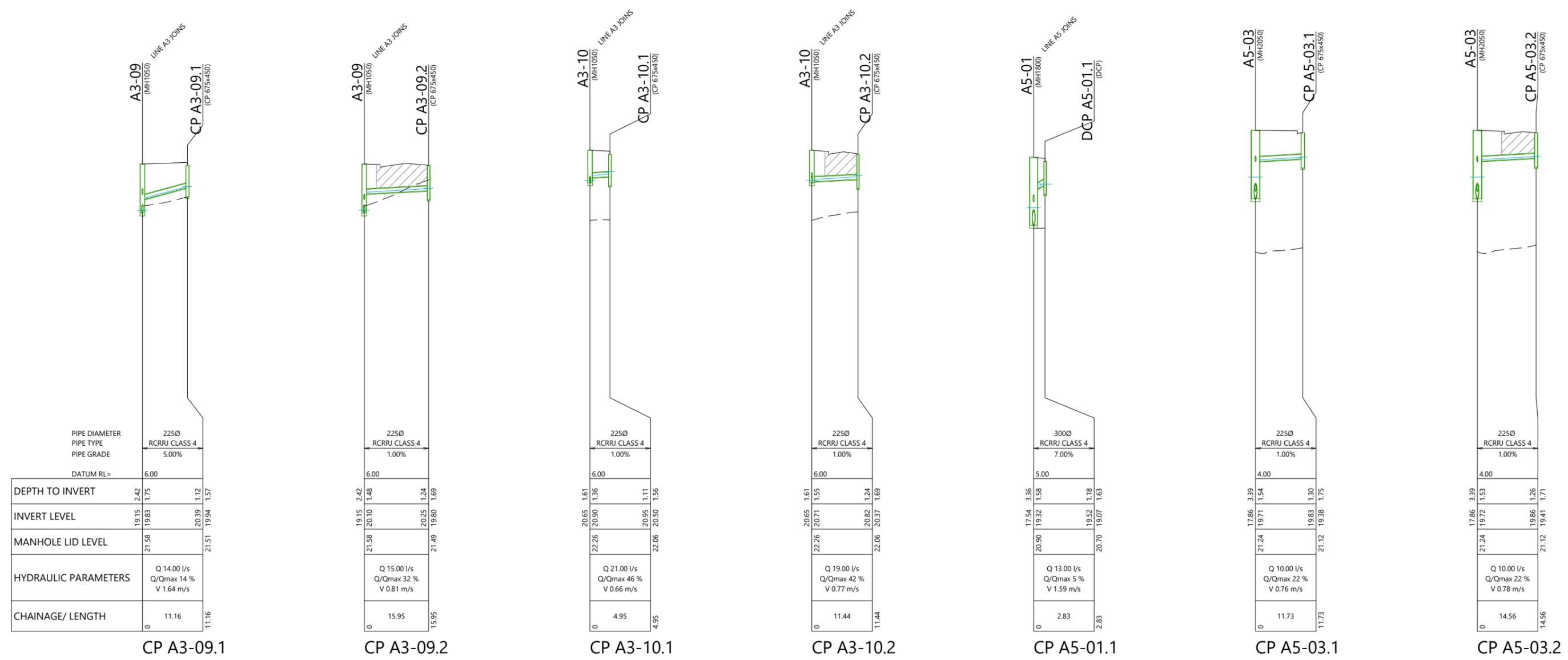
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



NOTE:
 DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.
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EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE

NOT TO SCALE



REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

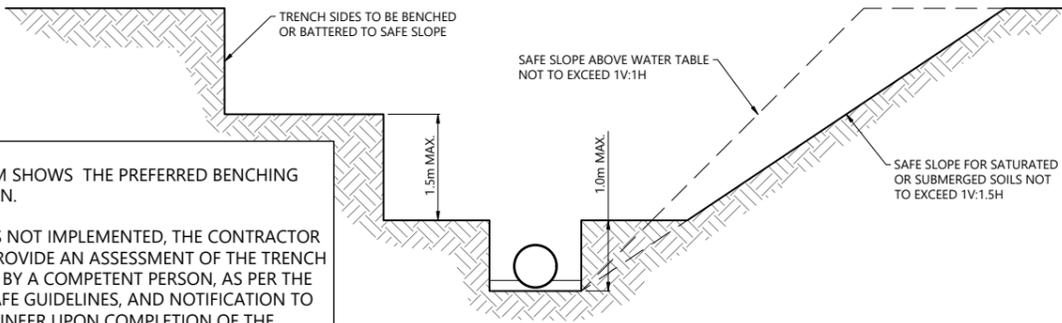


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DRURY CENTRE-STAGE 2
 STORMWATER LONGSECTION (SHEET 9 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3508-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

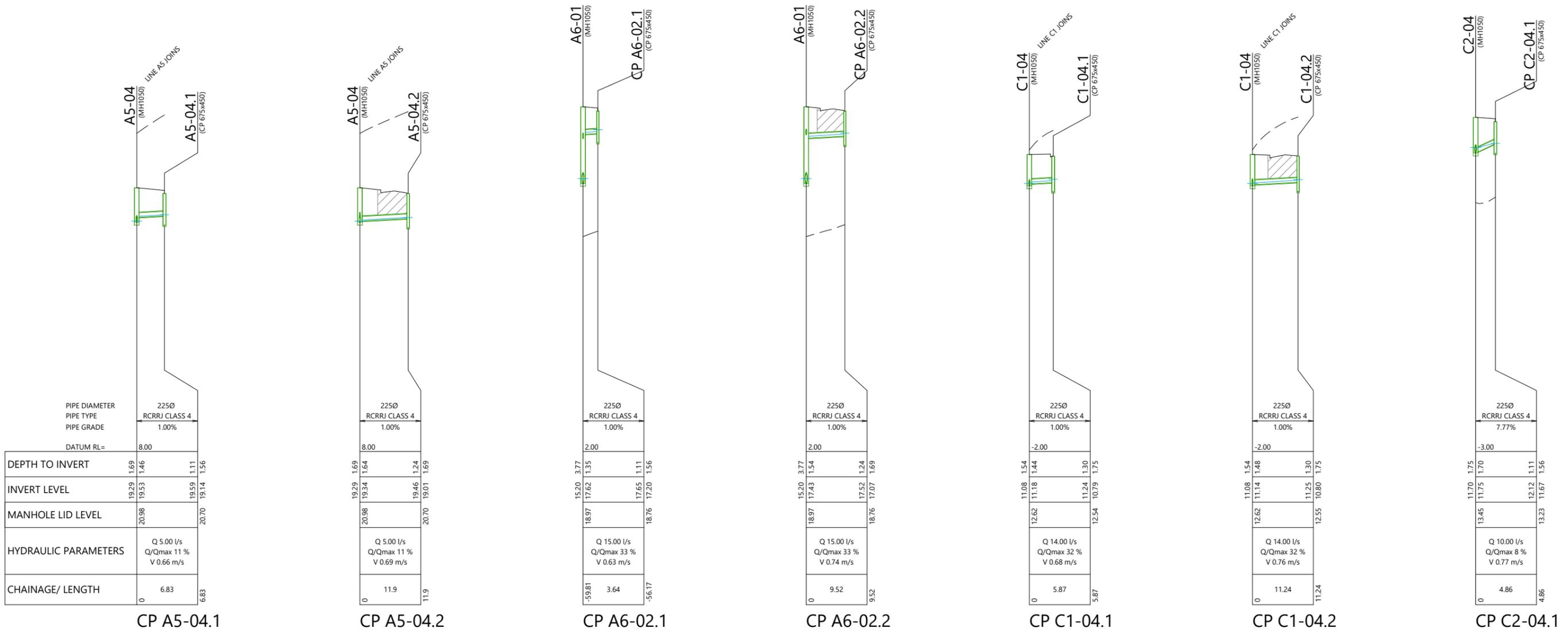
NOT TO SCALE

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	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

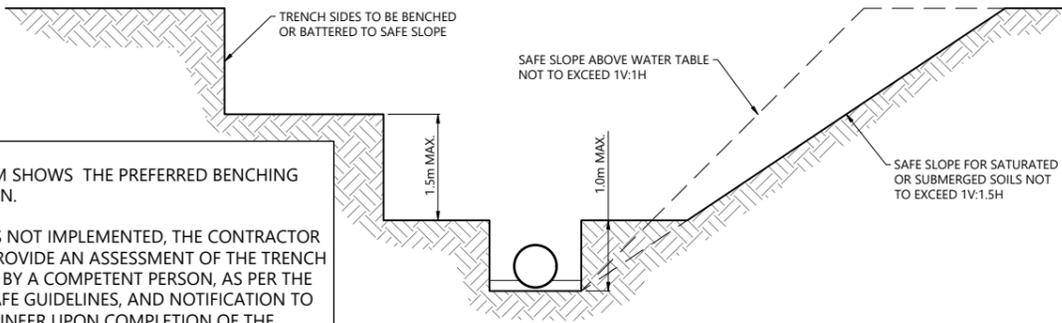


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DRURY CENTRE-STAGE 2
 STORMWATER LONGSECTION (SHEET 10 OF 19)

STATUS	FOR S67 RESPONSE	REV	
SCALE	H 1:1000 @ A3 V 1:200 @ A3		11
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-3509-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

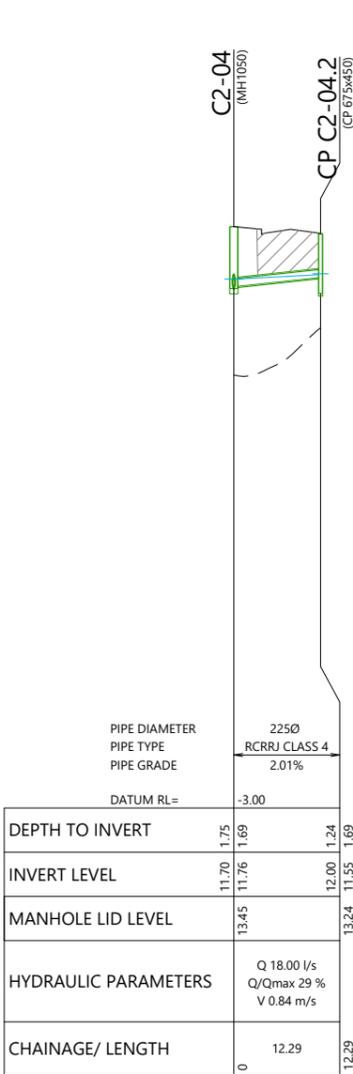
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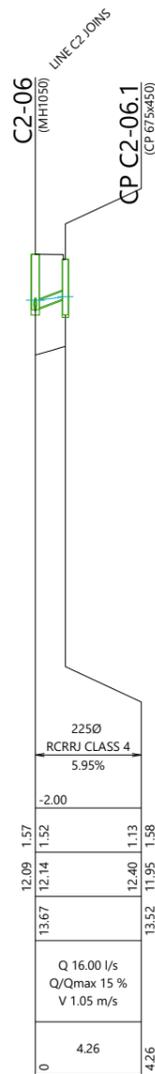
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
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5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

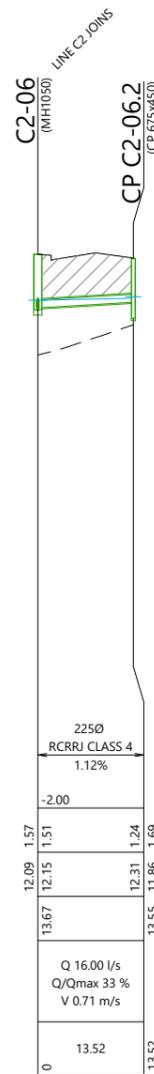
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



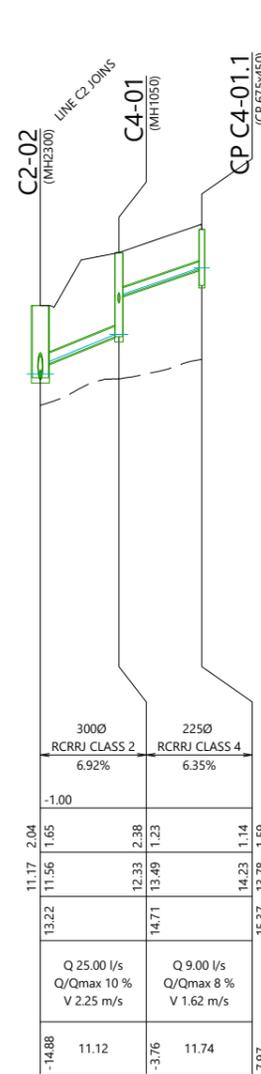
CP C2-04.2



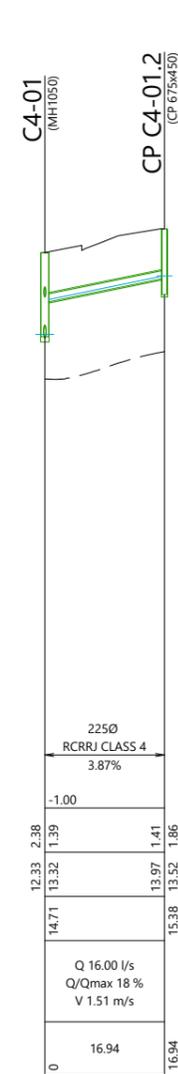
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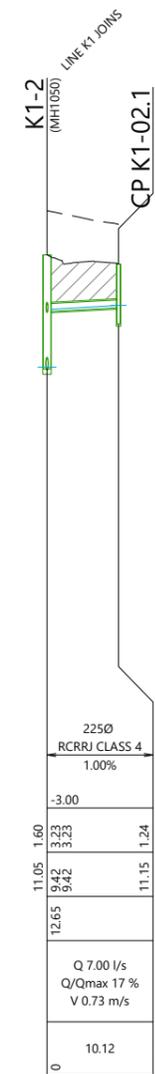
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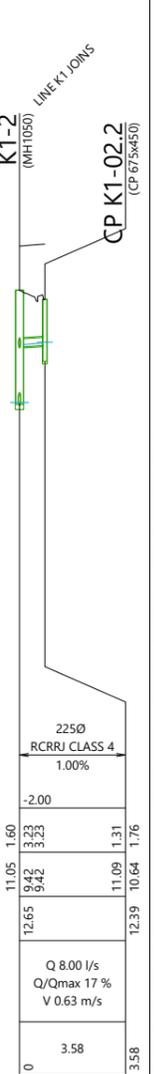
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CP C4-01.2



CP K1-02.1



CP K1-02.2

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



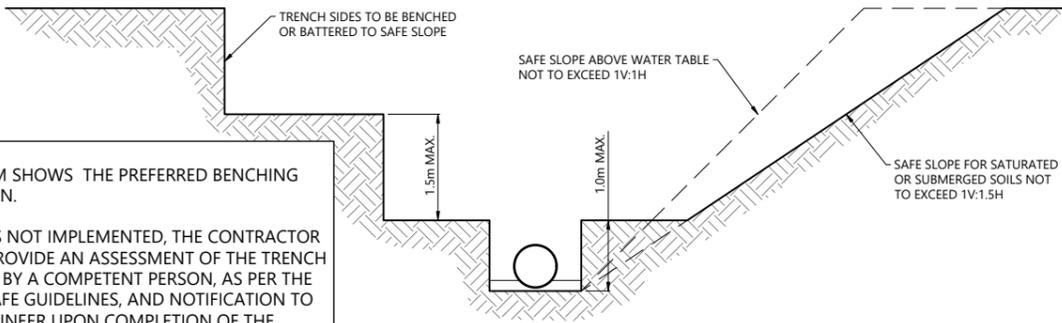
BUILDING B, LEVEL 1
 8 NUGENT ST, GRAFTON,
 AUCKLAND 1023
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DRURY CENTRE-STAGE 2
 STORMWATER LONGSECTION (SHEET 11 OF 19)

STATUS	FOR S67 RESPONSE	REV	
SCALE	H 1:1000 @ A3 V 1:200 @ A3		11
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-3510-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

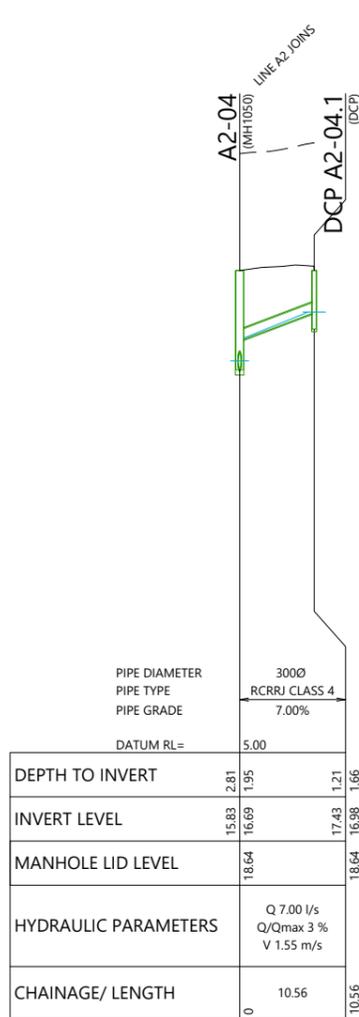
NOT TO SCALE

NOTES

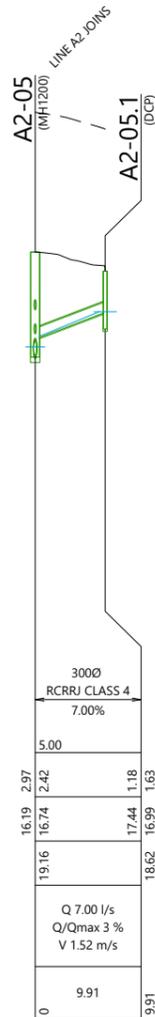
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
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6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

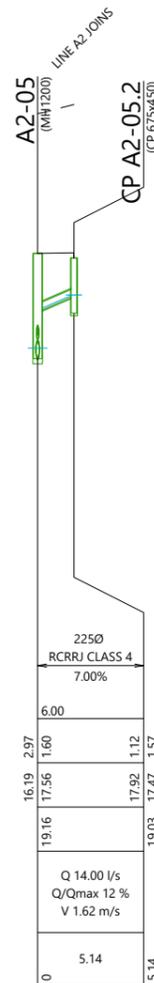
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



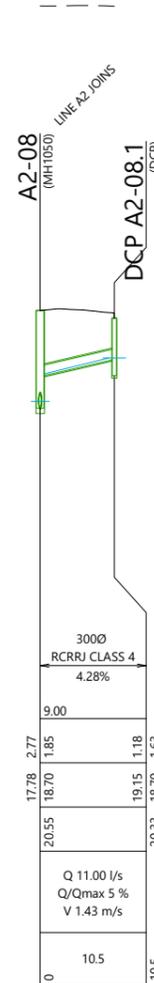
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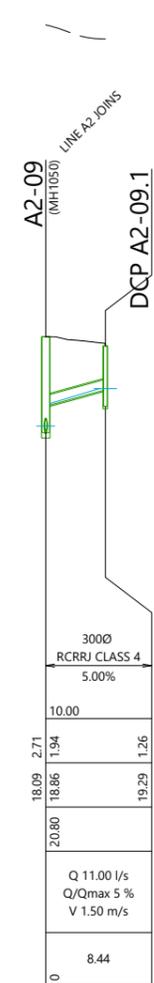
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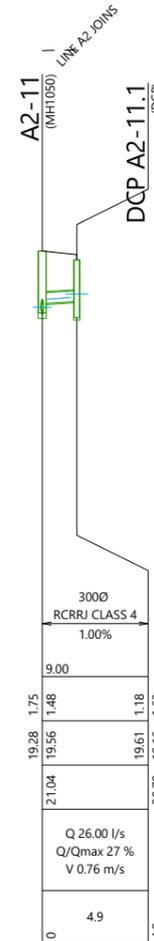
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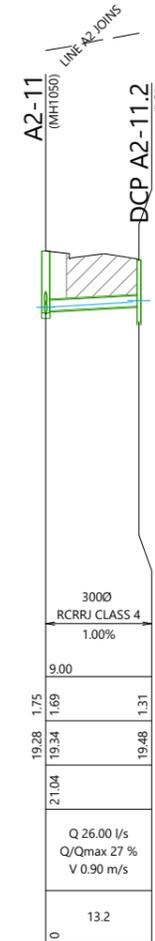
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DCP A2-09.1



DCP A2-11.1



DCP A2-11.2

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



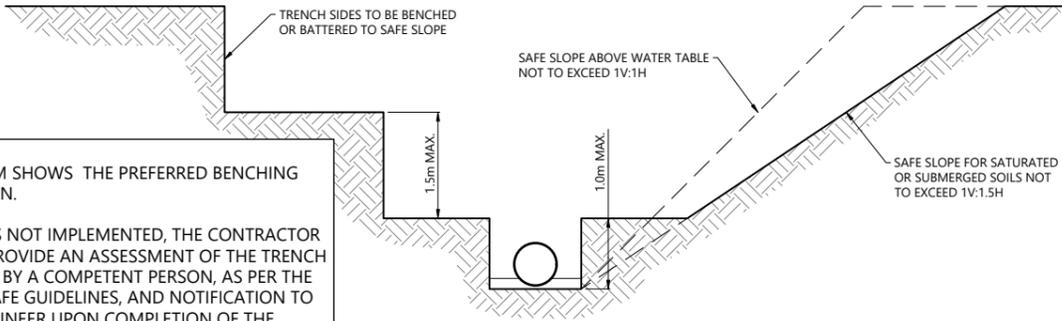
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
STORMWATER LONGSECTION (SHEET 12 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3511-DR	



NOTE:
 DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.
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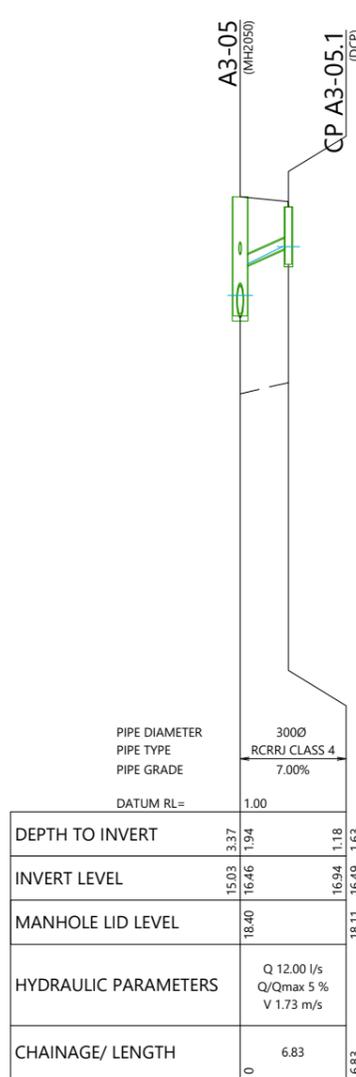
EXCAVATION FACES BENCHED AND BATTERED TO A SAFE SLOPE
 NOT TO SCALE

NOTES

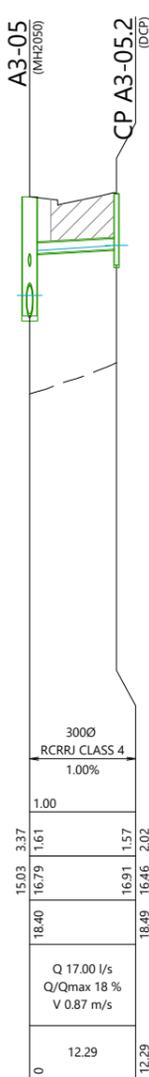
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
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5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE BEDDING PER THE STORMWATER COP.
6. NETWORK MODELLED TO TP108 2.1CC.

LEGEND

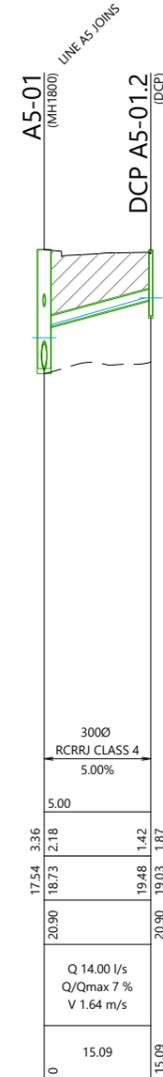
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



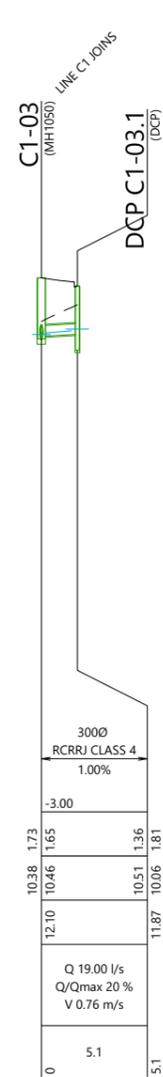
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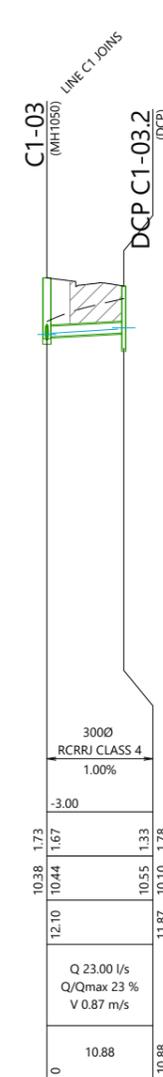
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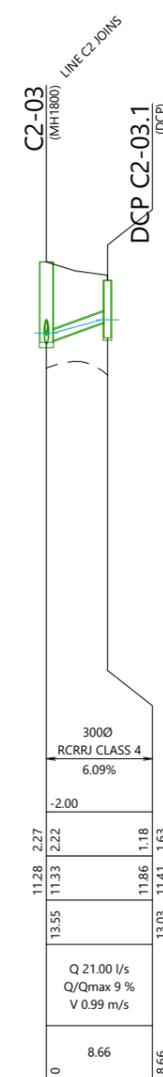
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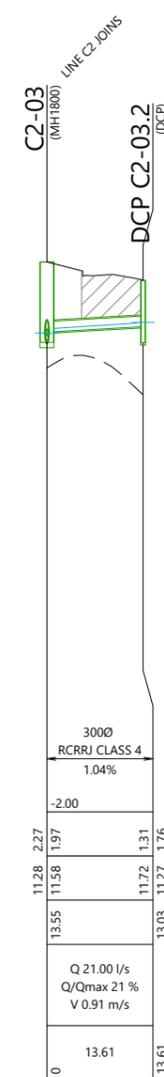
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DCP C1-03.2



DCP C2-03.1



DCP C2-03.2

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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 8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
 STORMWATER LONGSECTION (SHEET 13 OF 19)

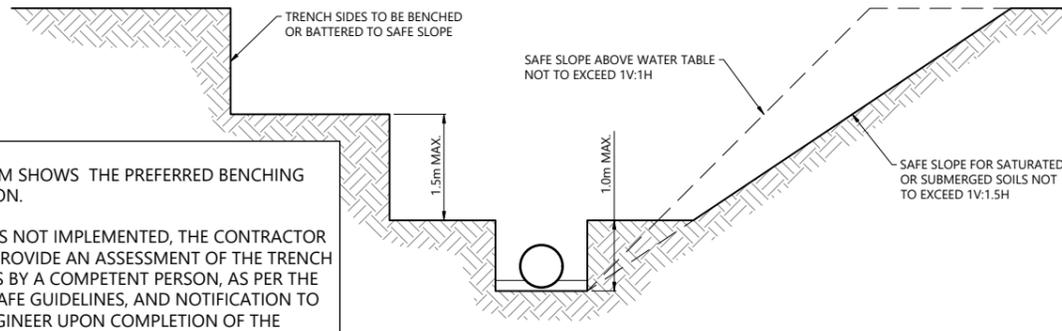
STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3512-DR	

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

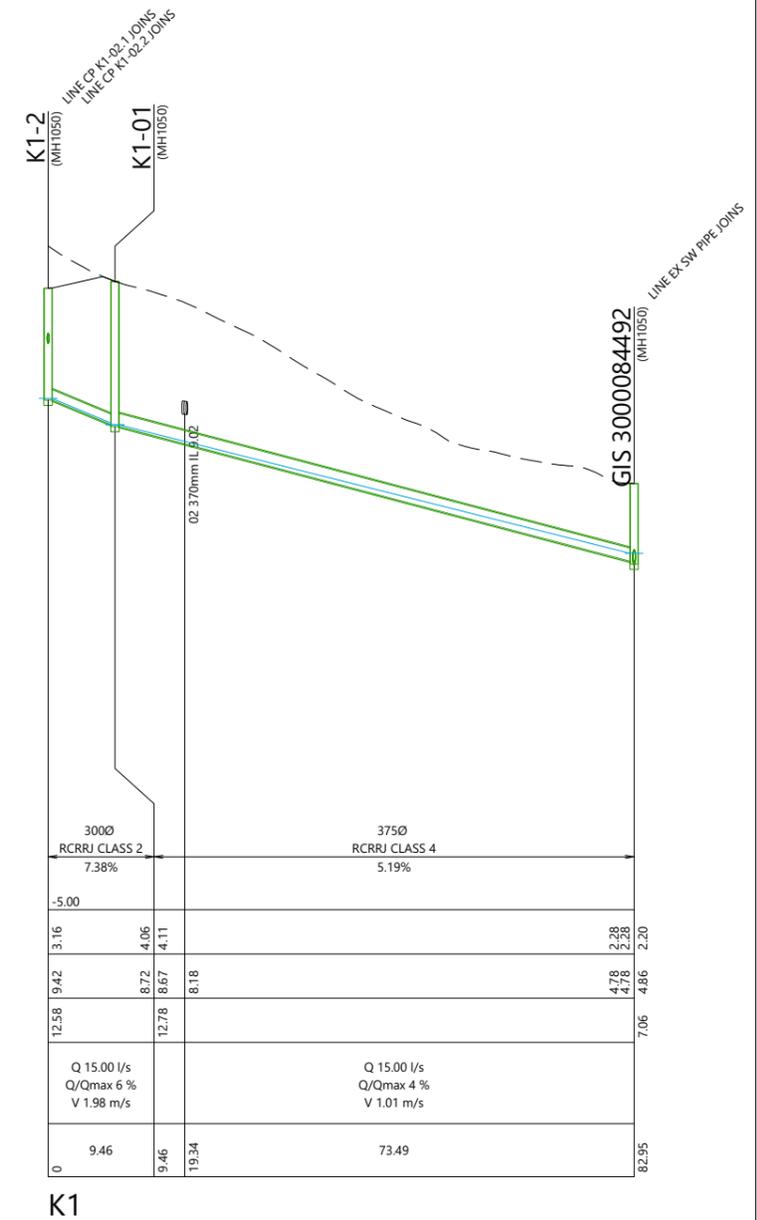
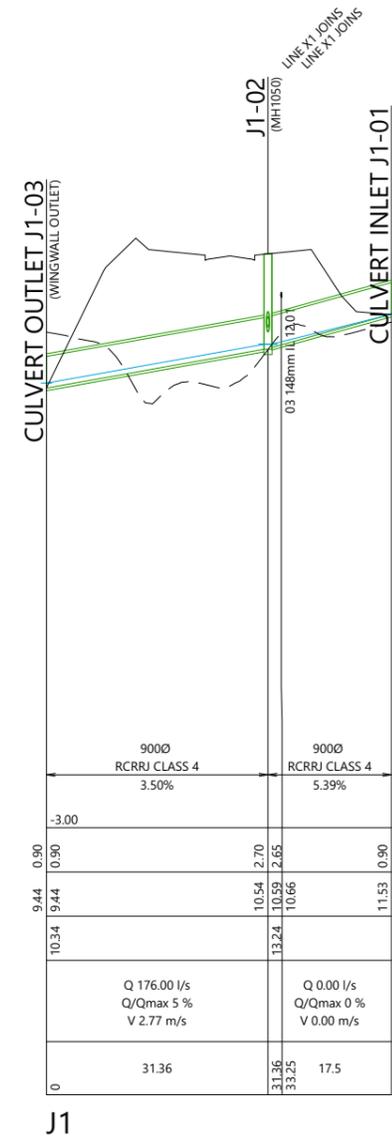
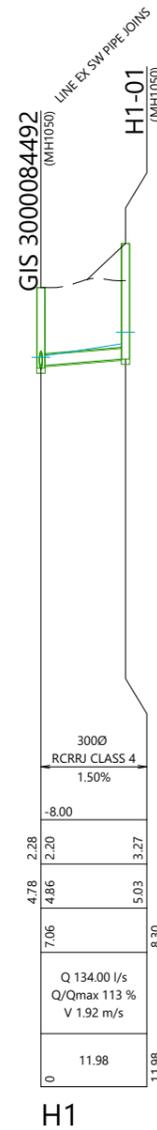
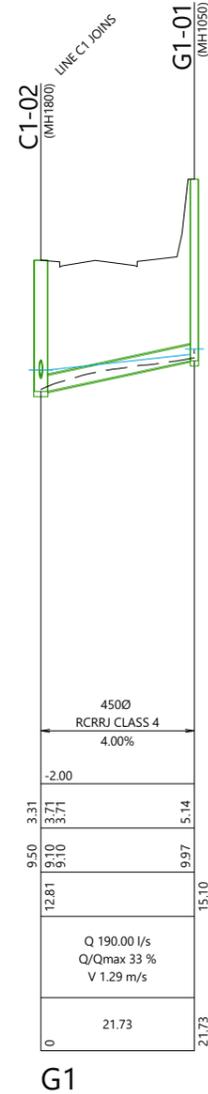
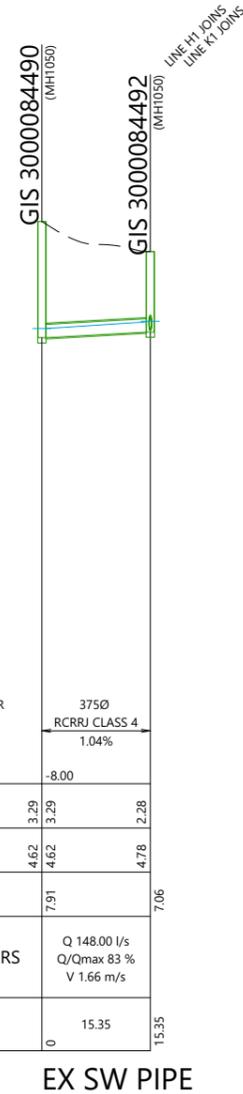
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



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



REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

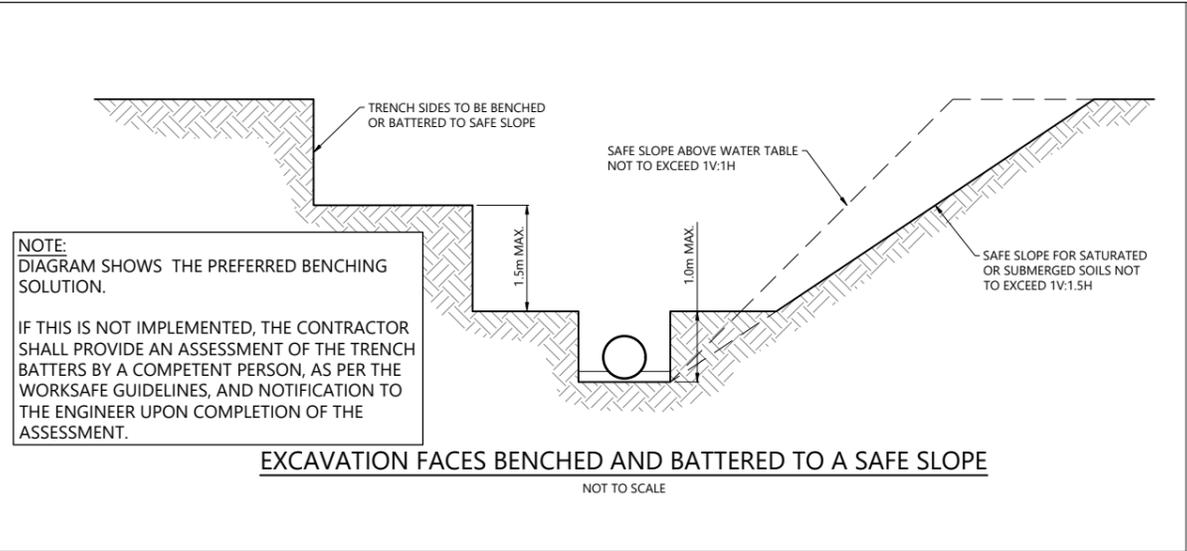


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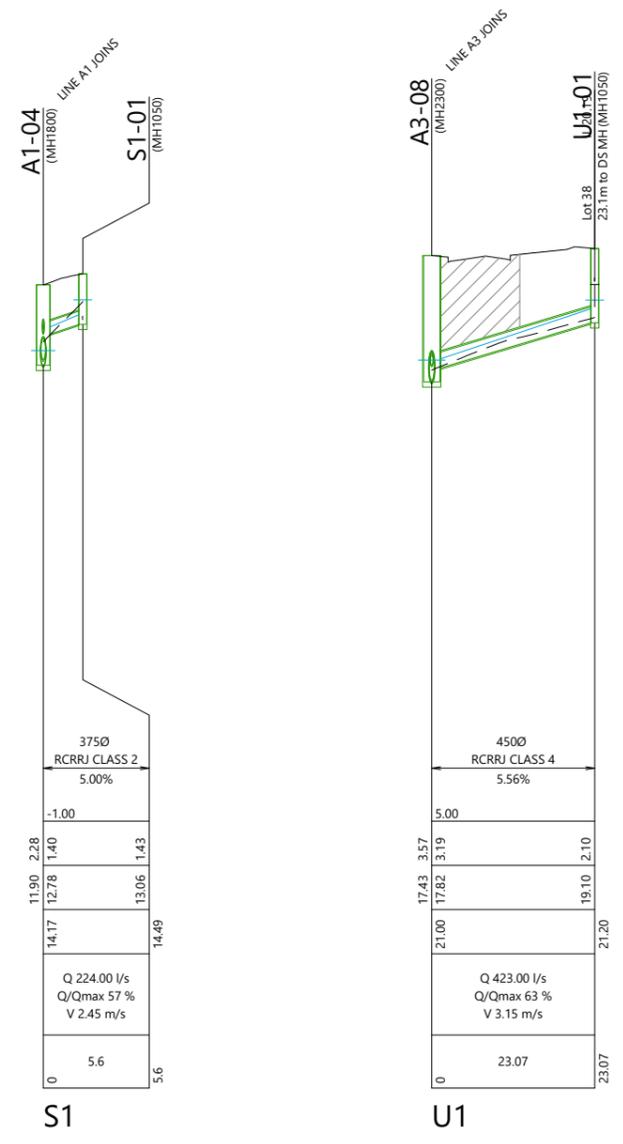
DRURY CENTRE-STAGE 2
STORMWATER LONGSECTION (SHEET 14 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3513-DR	



EXCAVATION FACES BENCHED 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 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



REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

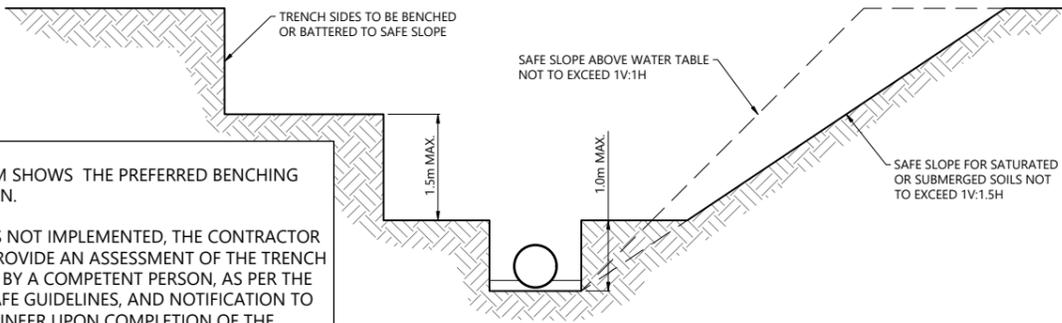


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DRURY CENTRE-STAGE 2
STORMWATER LONGSECTION (SHEET 15 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
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

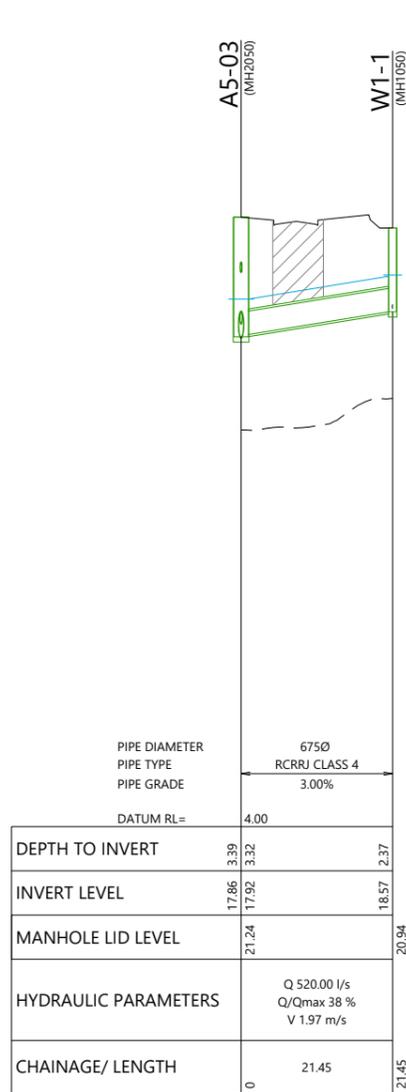
NOT TO SCALE

NOTES

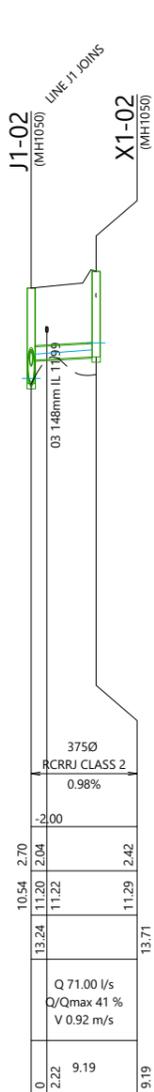
1. PIPE LENGTHS MEASURED FROM MANHOLE CENTRE TO MANHOLE CENTRE.
2. VERTICAL CLEARANCES BETWEEN STORMWATER AND WASTEWATER SERVICES TO COMPLY WITH WATERCARE CODE OF PRACTICE TABLE 5.6.
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5. ALL PIPES STEEPER THAN 10% GRADE TO BE INSTALLED WITH CONCRETE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

LEGEND

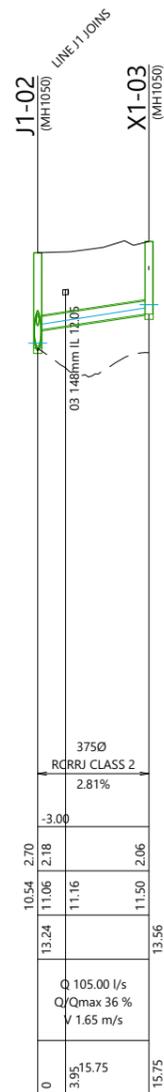
- PROPOSED HARDFILL BACKFILL
- PROPOSED FINISHED SURFACE
- DEPTH OF FLOW (HYDRAULIC GRADELINE)
- EXISTING GROUND



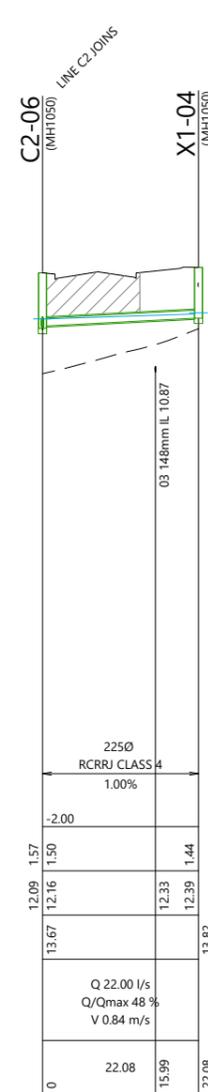
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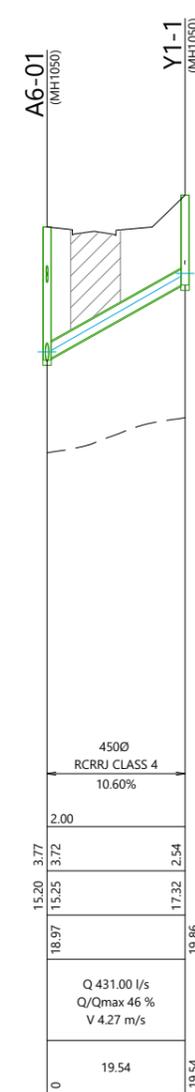
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X1



X1-04



Y1

REVISION DETAILS	INT	DATE	SURVEYED	
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10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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DRURY CENTRE-STAGE 2
 STORMWATER LONGSECTION (SHEET 16 OF 19)

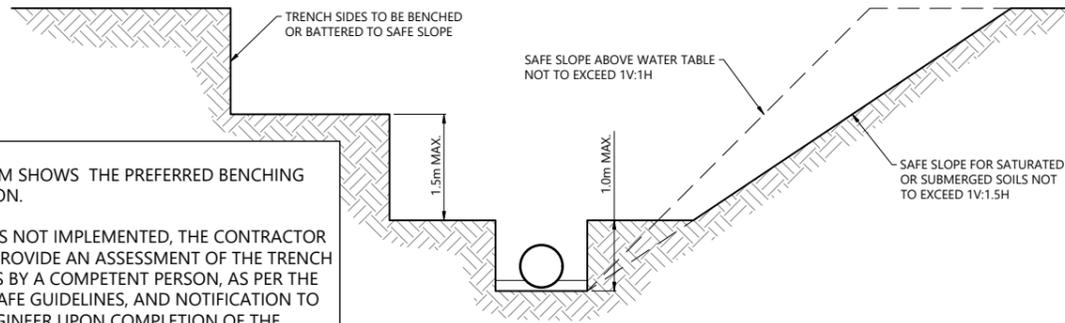
STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3515-DR	

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

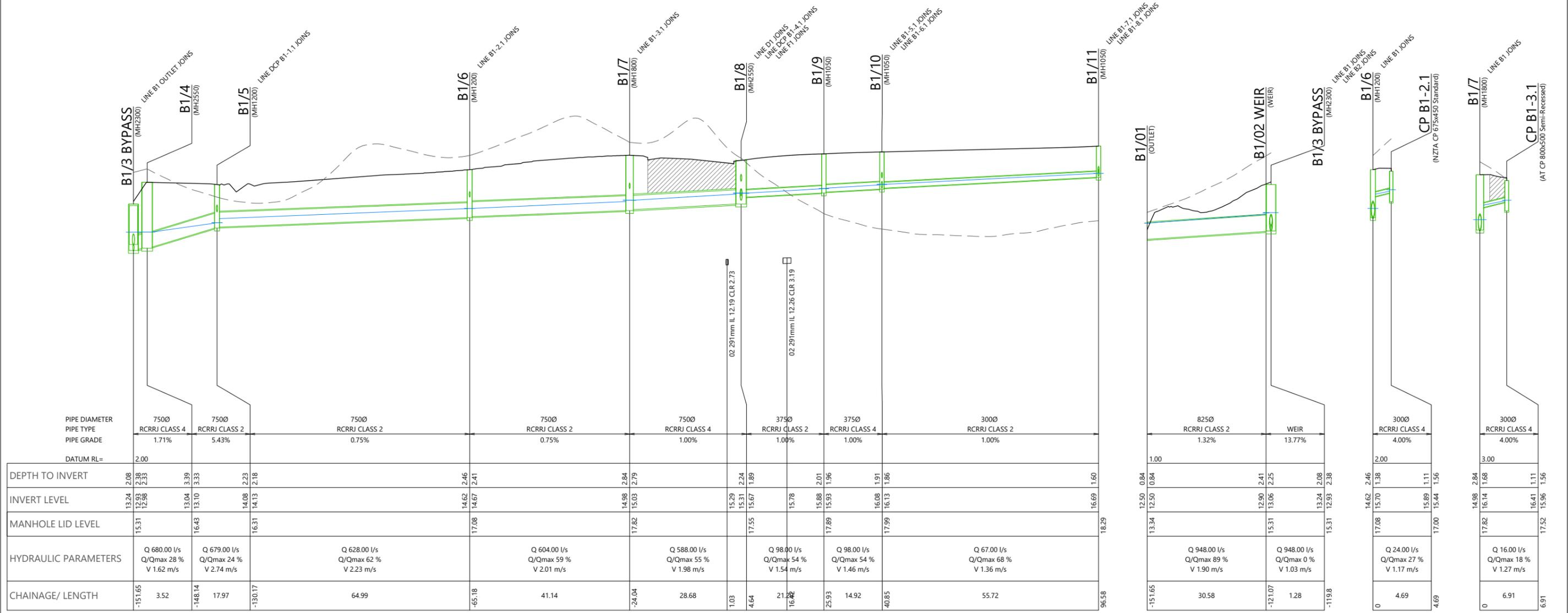


NOTE:
DIAGRAM SHOWS THE PREFERRED BENCHING SOLUTION.

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



Plot Date: 4:54:45 pm, 17 September 2025, GLENNW
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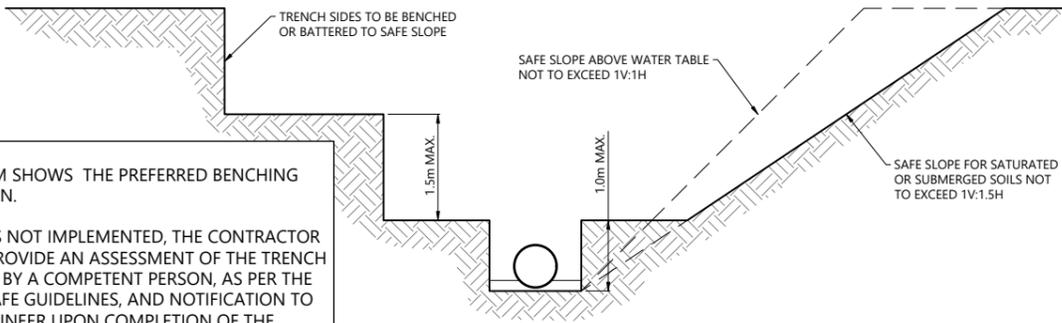
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9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

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DRURY CENTRE-STAGE 2
STORMWATER LONGSECTION (SHEET 17 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
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

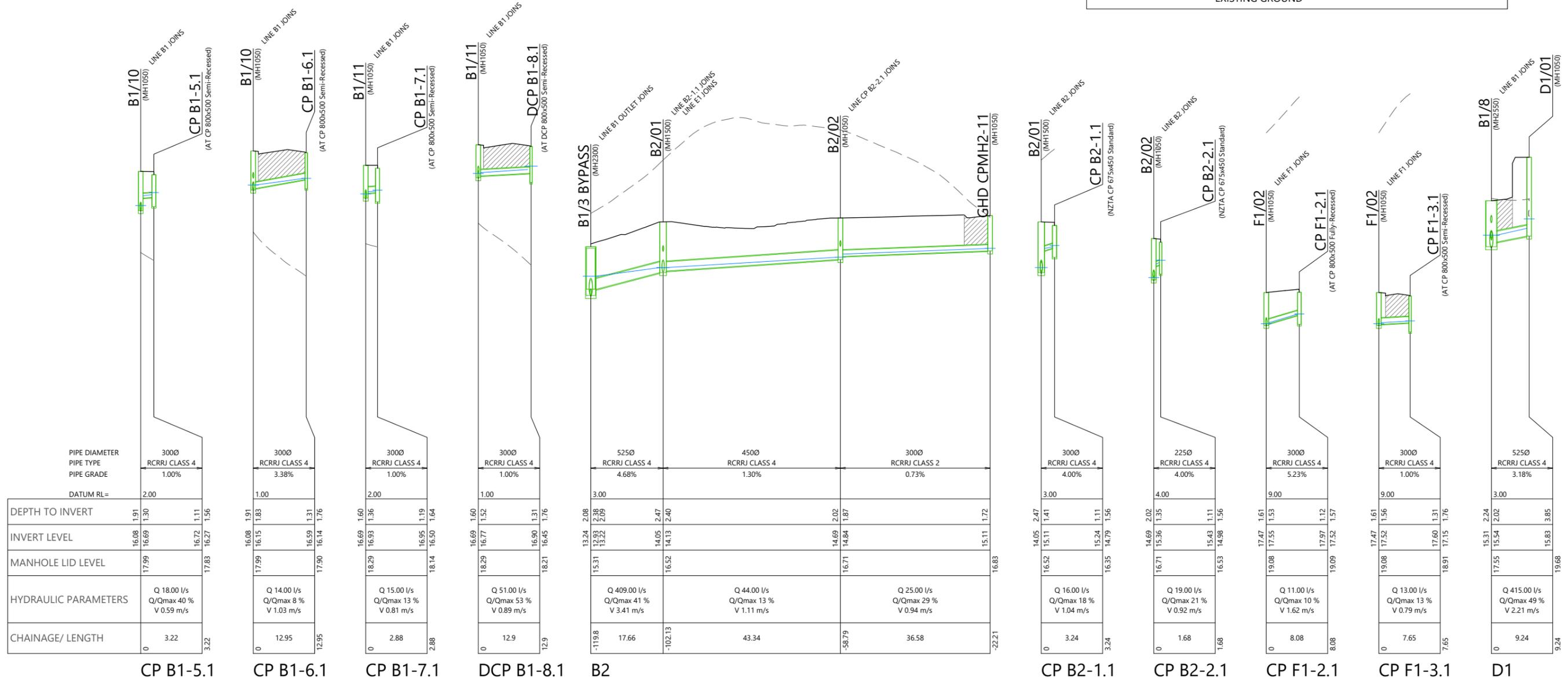
NOT TO SCALE

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.
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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



REVISION DETAILS	INT	DATE	SURVEYED
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED



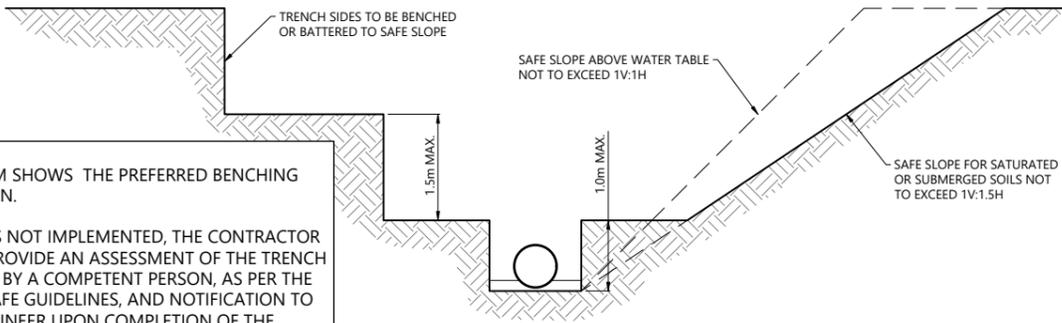
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
STORMWATER LONGSECTION (SHEET 18 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3517-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

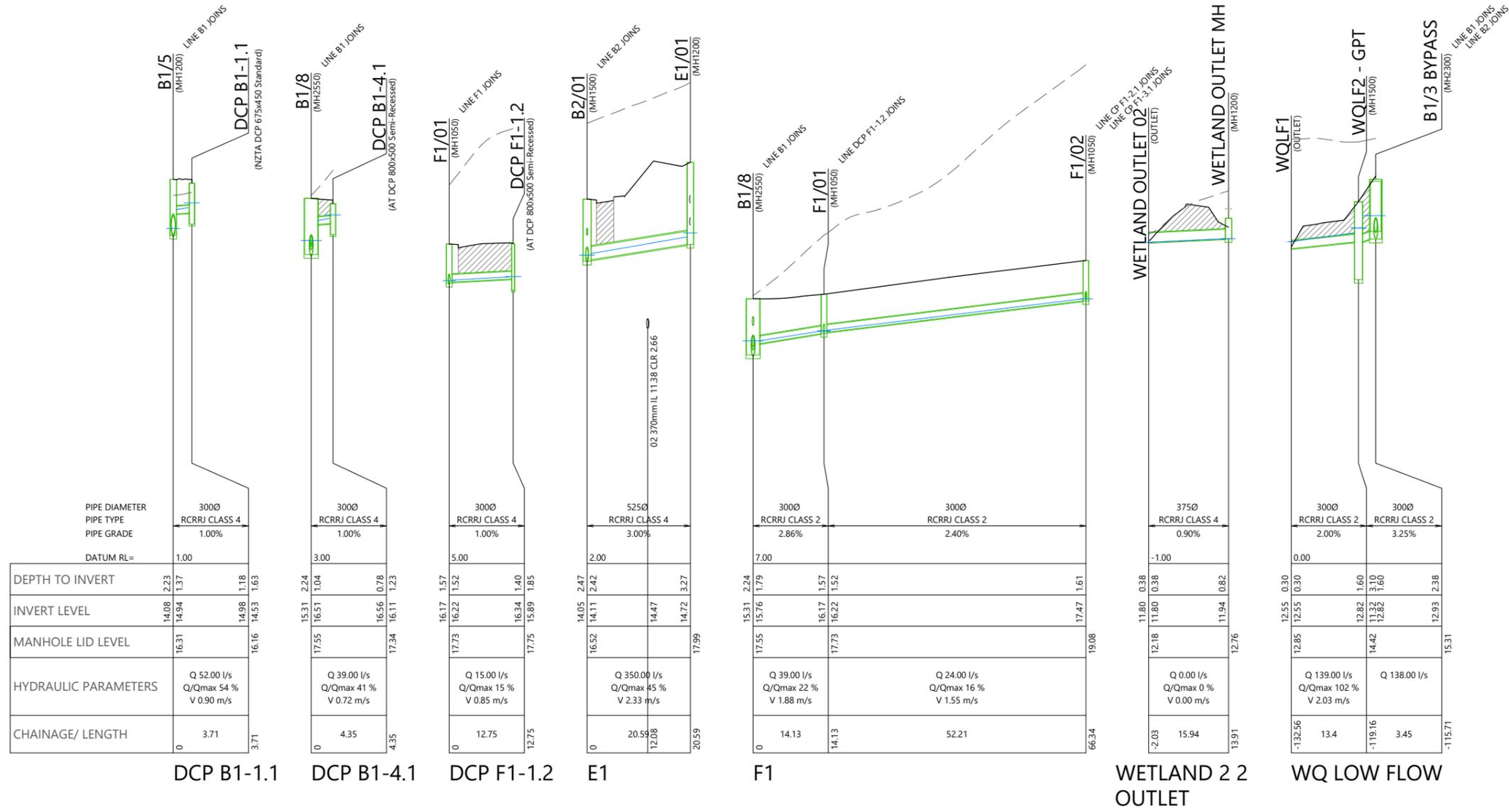
NOT TO SCALE

NOTES

- 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



REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MK
9 FOR S67 RESPONSE	RO	23/07/25	DRAWN	MK
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



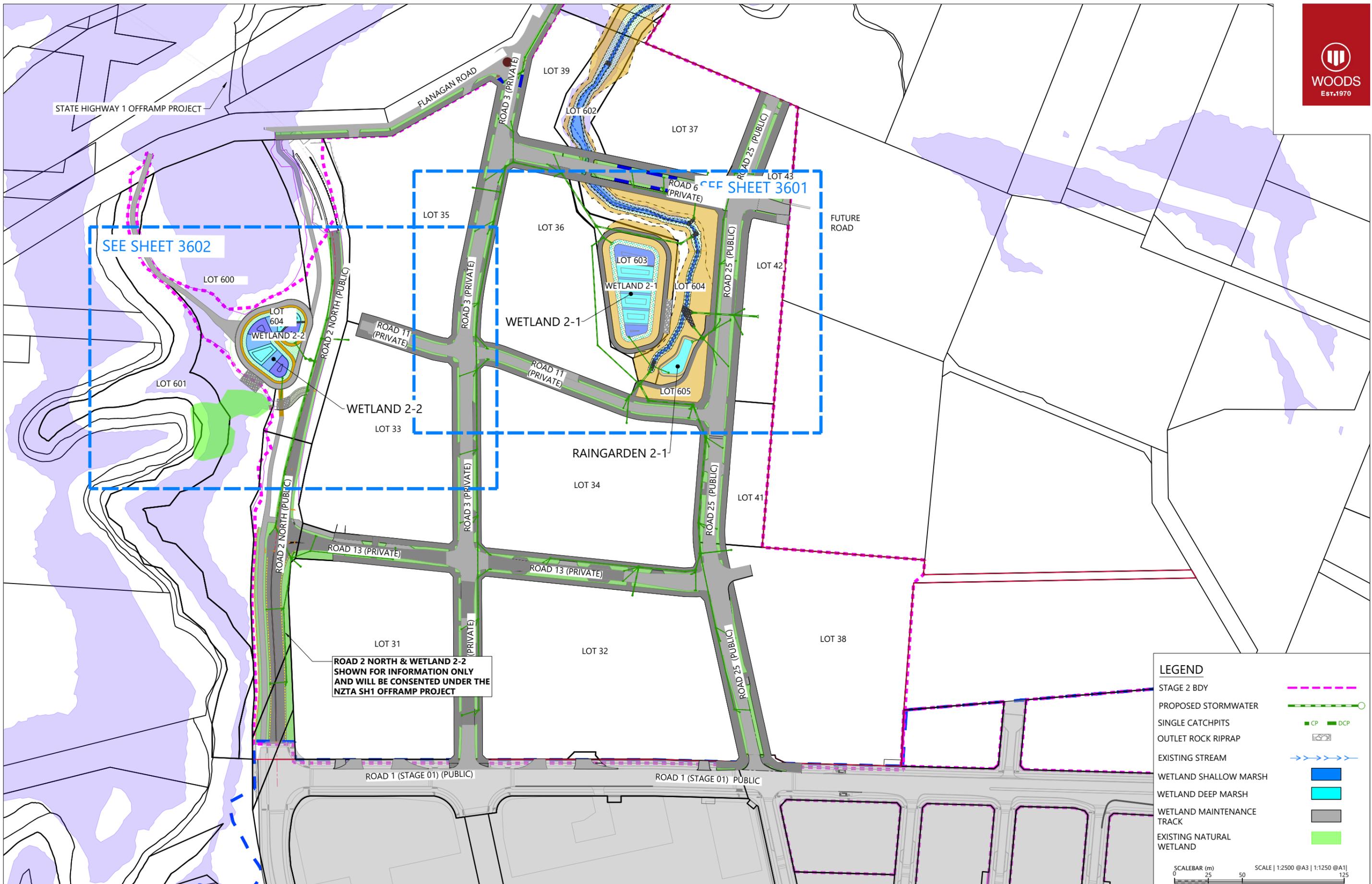
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
STORMWATER LONGSECTION (SHEET 19 OF 19)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3518-DR	



LEGEND

- STAGE 2 BDY - - - - -
- PROPOSED STORMWATER - - - - -
- SINGLE CATCHPITS ■ CP ■ DCP
- OUTLET ROCK RIPRAP
- EXISTING STREAM >>>>>
- WETLAND SHALLOW MARSH
- WETLAND DEEP MARSH
- WETLAND MAINTENANCE TRACK
- EXISTING NATURAL WETLAND

SCALEBAR (m) 0 25 50 SCALE | 1:2500 @A3 | 1:1250 @A1 | 1:625 @A2

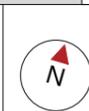
REVISION DETAILS	INT	DATE	SURVEYED	AC
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9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	AC
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



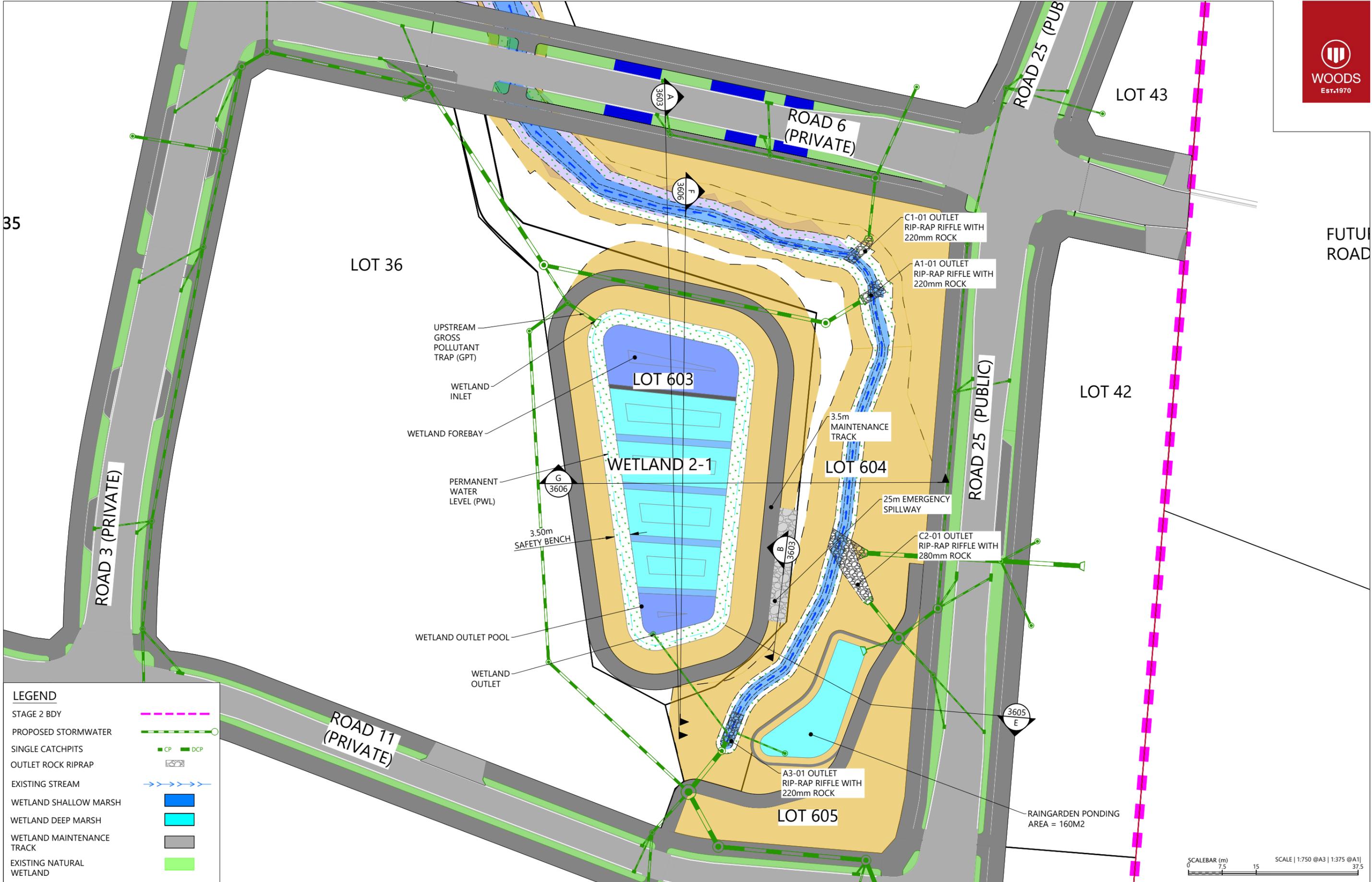
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
OVERALL WETLANDS LAYOUT PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:2500 @ A3	11
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

SCALEBAR (m) 0 7.5 15

SCALE | 1:750 @A3 | 1:375 @A1 | 37.5

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	SM	17/07/25	DESIGNED	AC
9 FOR S67 RESPONSE	GW	23/07/25	DRAWN	AC
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

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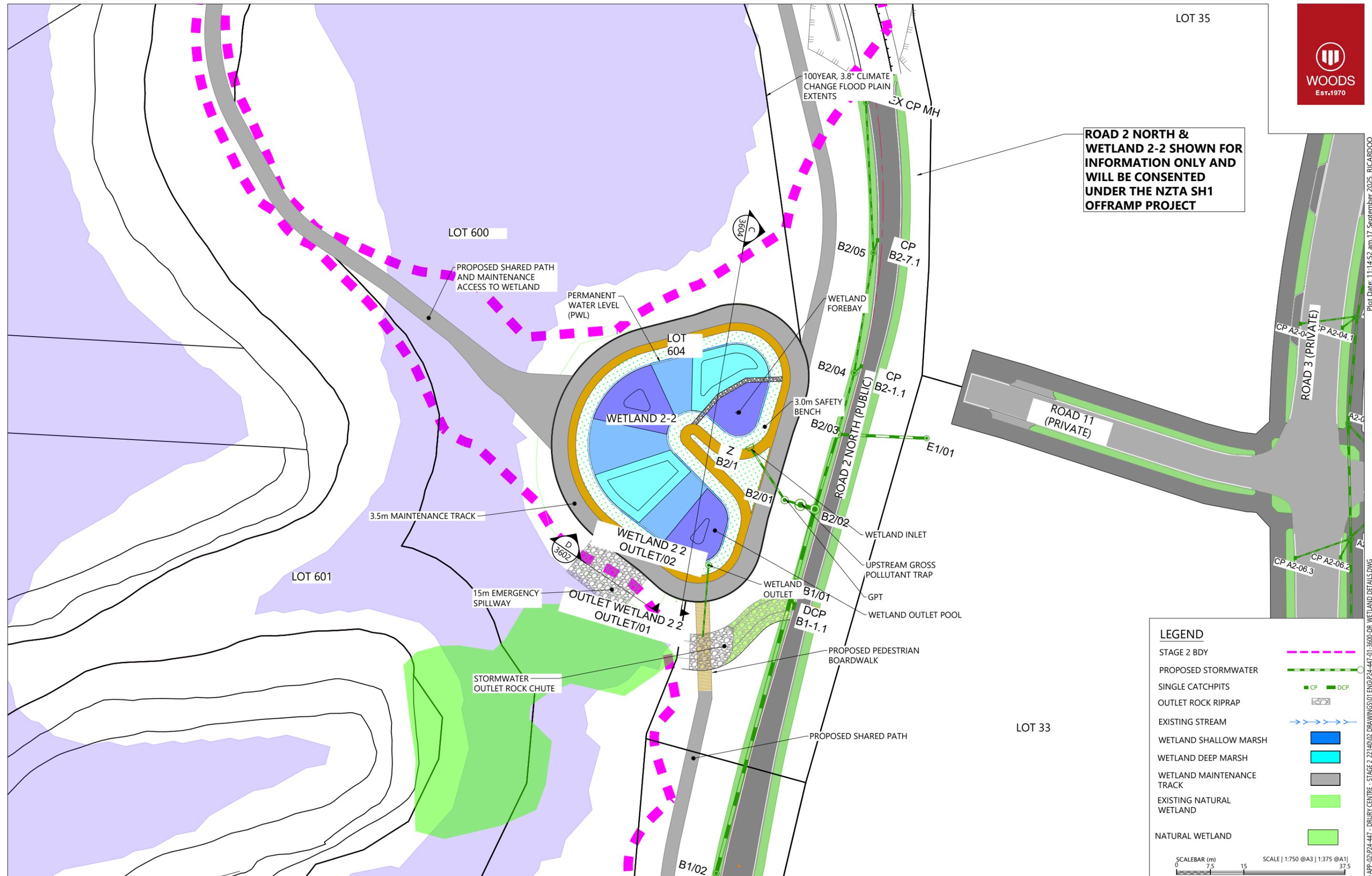
DRURY CENTRE-STAGE 2
WETLAND 2-1 LAYOUT PLAN

STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3601-DR	



LOT 35

ROAD 2 NORTH & WETLAND 2-2 SHOWN FOR INFORMATION ONLY AND WILL BE CONSENTED UNDER THE NZTA SH1 OFFRAMP PROJECT



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
- NATURAL WETLAND

SCALEBAR (m) 0 7.5 15

SCALE | 1:750 @A3 | 1:375 @A1 | 1:37.5 @A1

REVISION DETAILS	INT	DATE	SURVEYED	
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10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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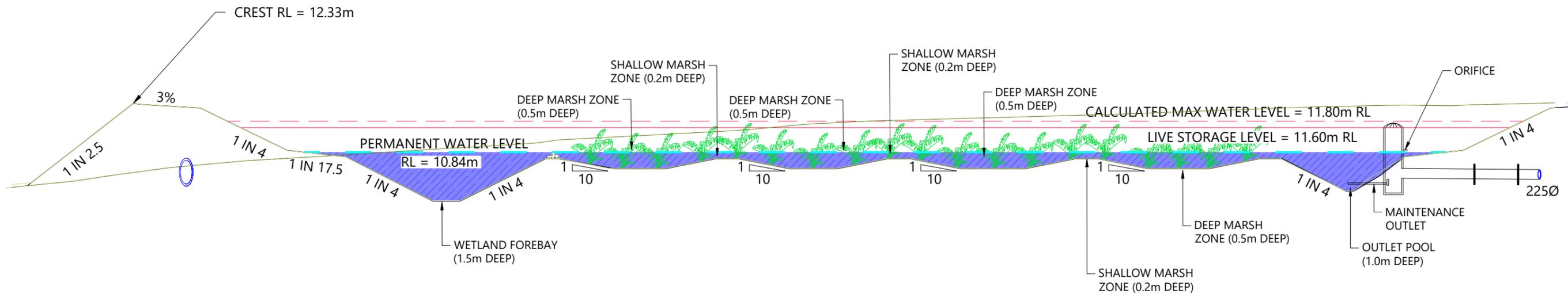


DRURY CENTRE-STAGE 2
WETLAND 2-2 LAYOUT PLAN



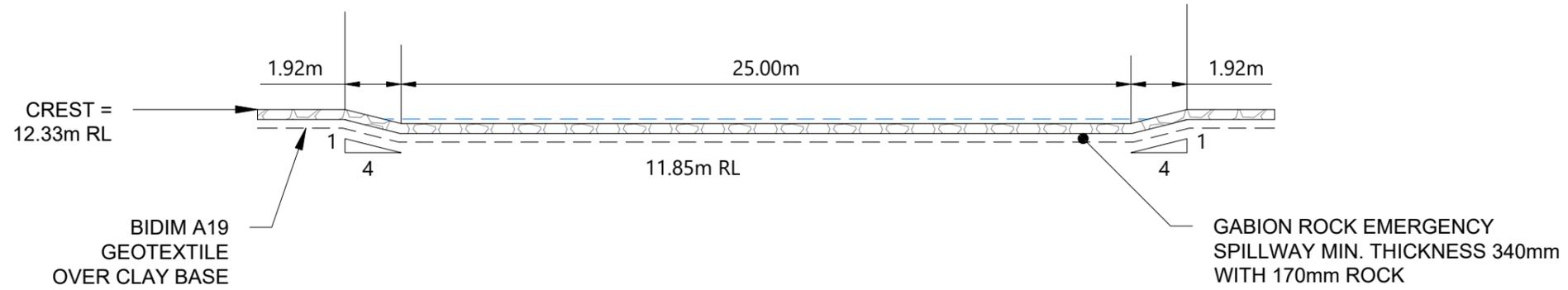
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COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3602-DR	

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WETLAND 2-1 CROSS-SECTION -A

1:250(H) 1:125(V) @A3



EMERGENCY SPILLWAY CROSS-SECTION-B

1:200 @A3

NOTES

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

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	AC
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	AC
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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

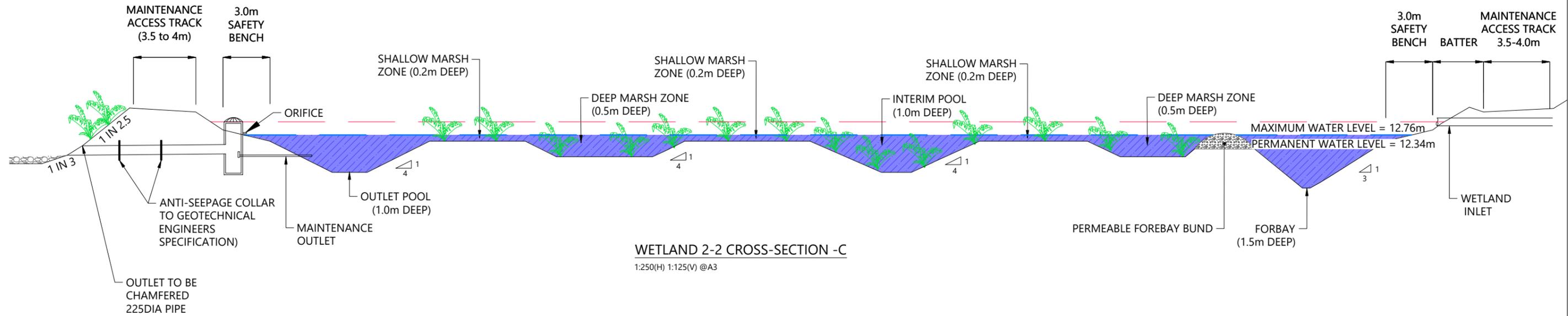
WOODS.CO.NZ



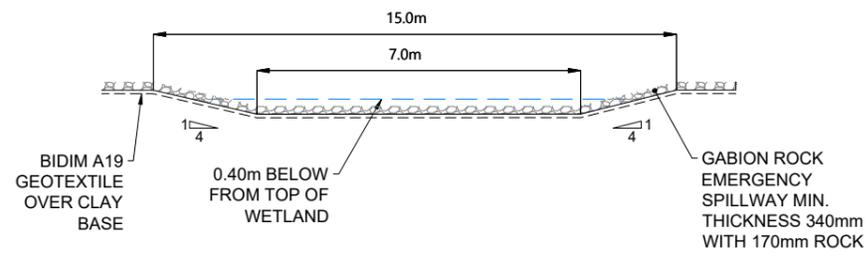
DRURY CENTRE-STAGE 2

WETLAND 2-1 CROSS SECTION PLAN

STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3603-DR	



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



EMERGENCY SPILLWAY CROSS-SECTION -D
1:100 @ A3

NOTES

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

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	AC
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	AC
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

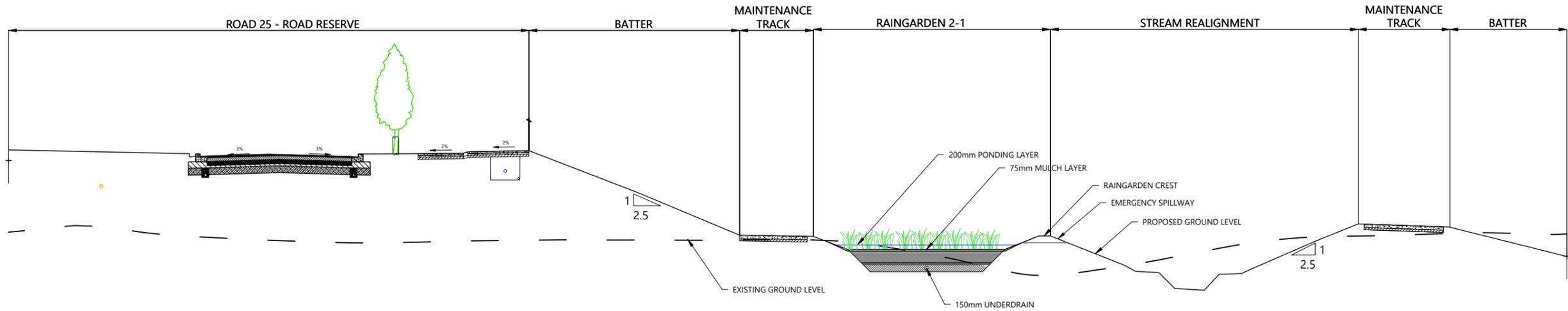


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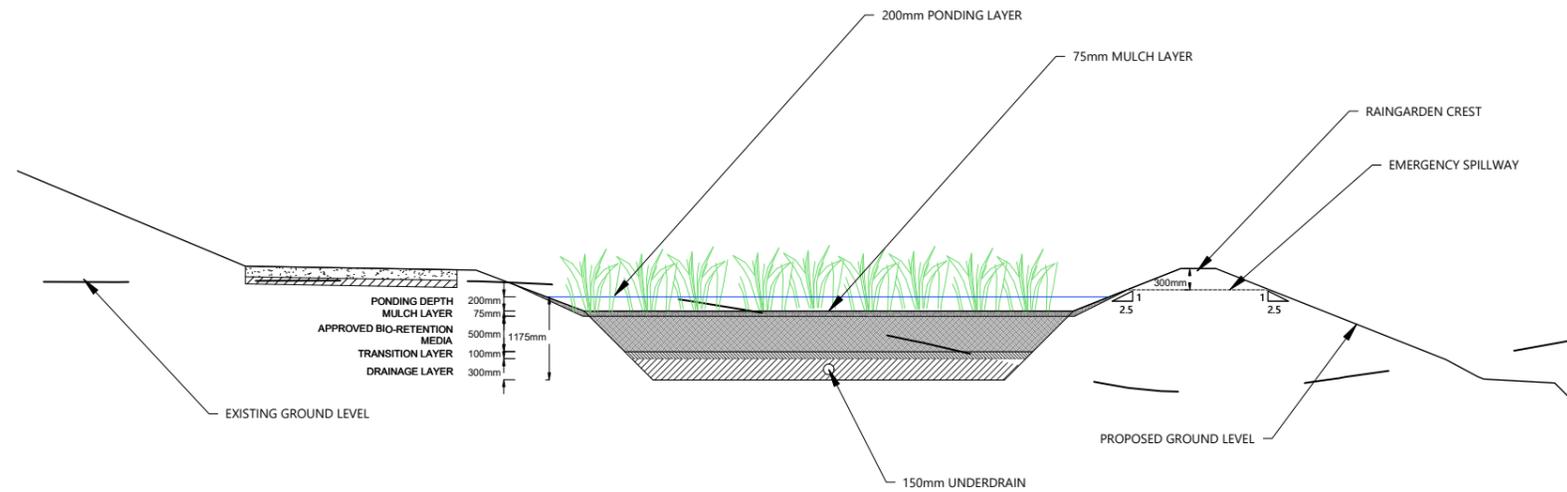


DRURY CENTRE-STAGE 2
WETLAND 2-2 CROSS-SECTION PLAN

STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3604-DR	



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



RAINGARDEN 2-1 DETAIL
1:100@A3

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	GW
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	GW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



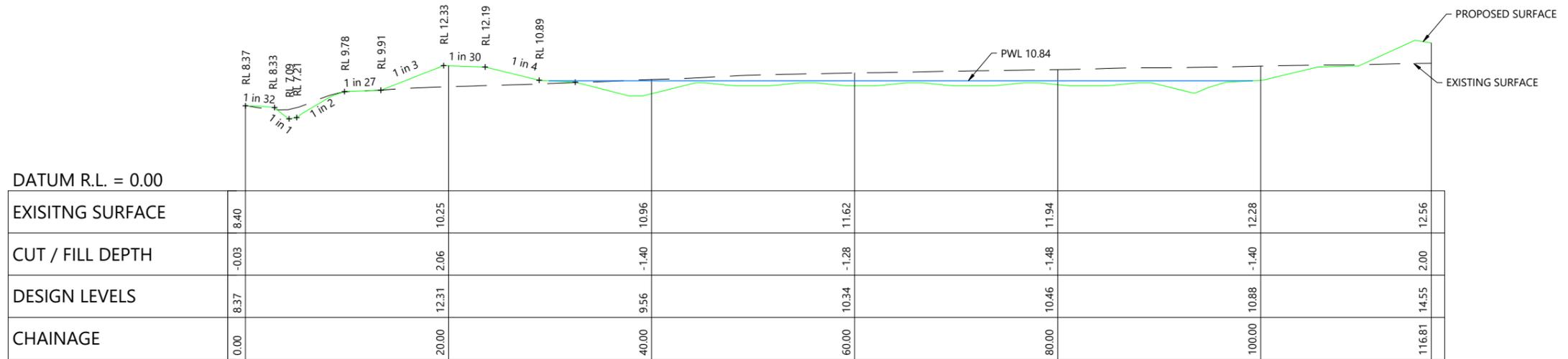
BUILDING B, LEVEL 1
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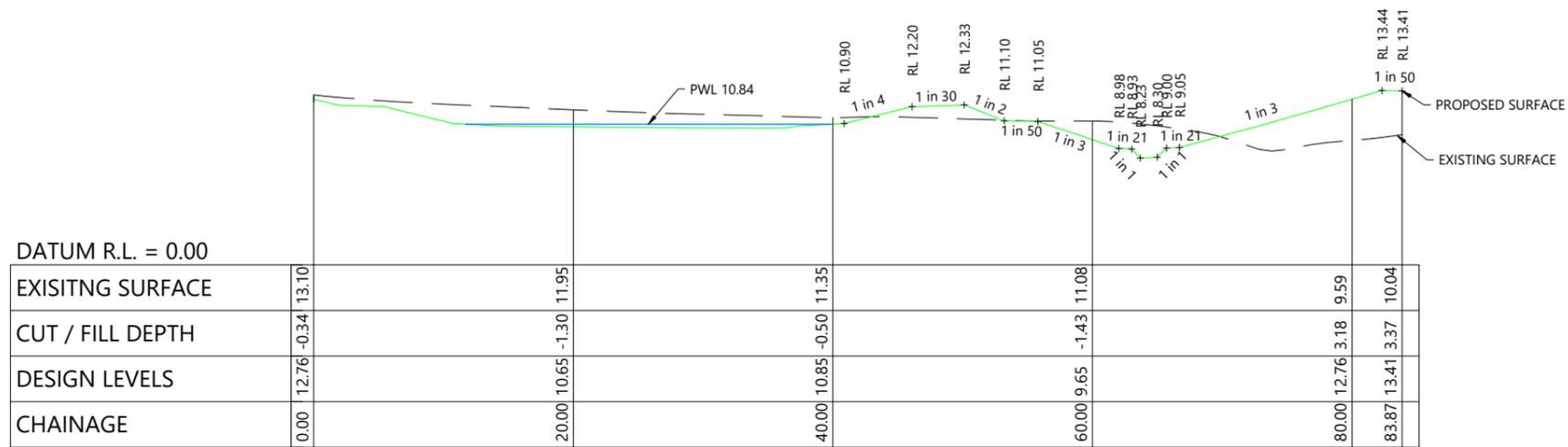


DRURY CENTRE-STAGE 2
RAINGARDEN 2-1 CROSS-SECTION-E

STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3605-DR	



WETLAND 2-1 SECTION F
HORZ 1:500 VERT 1:500



WETLAND 2-1 SECTION G
HORZ 1:500 VERT 1:500

REVISION DETAILS	INT	DATE	SURVEYED	
10 FOR S67 RESPONSE	GW	15/08/25	DESIGNED	GW
11 FOR S67 RESPONSE	RO	17/09/25	DRAWN	RZ
			CHECKED	GW
			APPROVED	CD

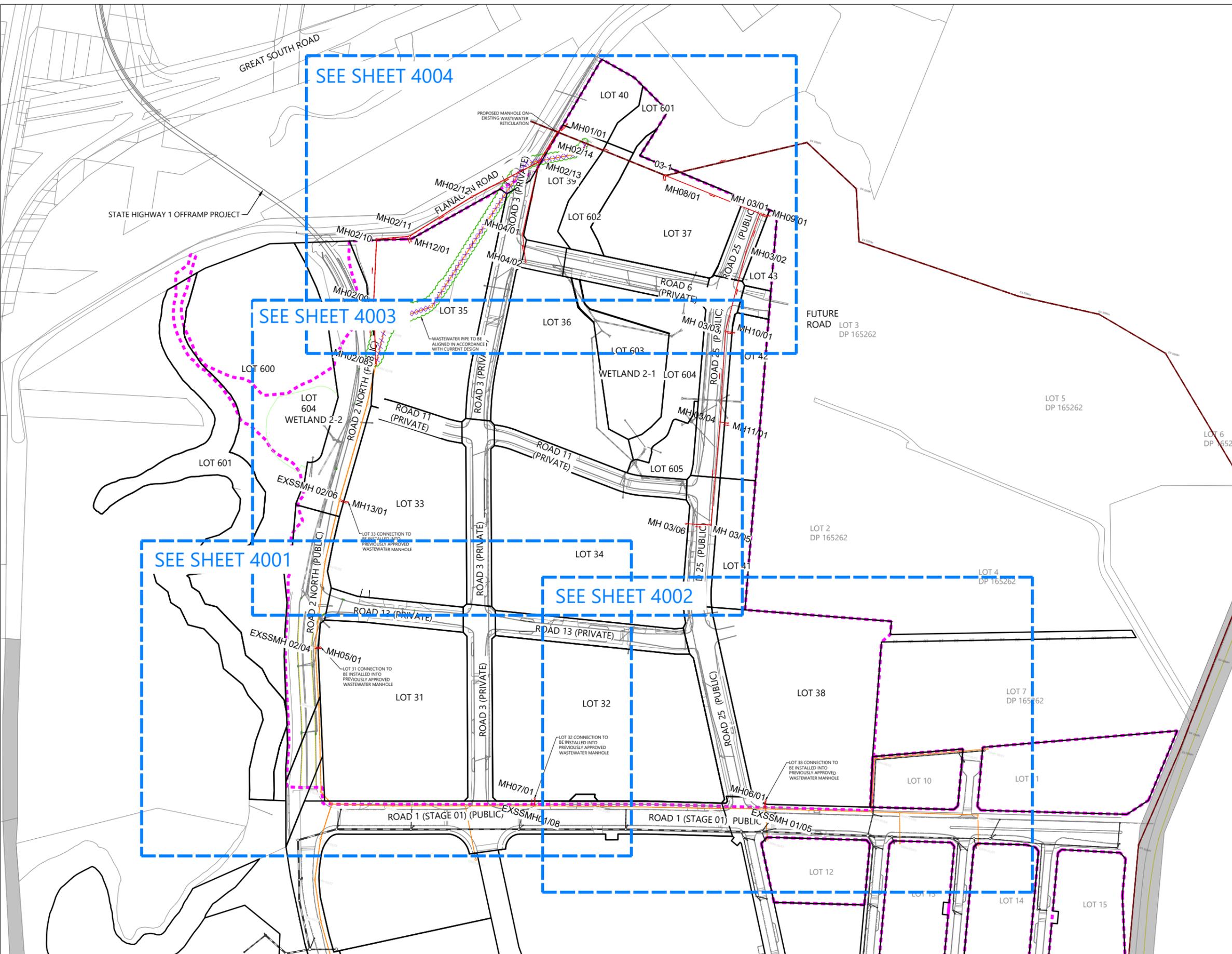


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DRURY CENTRE-STAGE 2
RAINGARDEN 2-1 CROSS-SECTION F & G

STATUS	FOR S67 RESPONSE	REV
SCALE	AS SHOWN	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-3606-DR	



SEE SHEET 4004

SEE SHEET 4003

SEE SHEET 4001

SEE SHEET 4002

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.
- SS PIPES ARE TO BE 150mm DIA. UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTION IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
- ALL PIPE CROSSINGS UNDER ROADS TO BE HARDFILL BACKFILLED.
- ALL MANHOLES ARE TO BE 1050mm DIA. UNLESS OTHERWISE NOTED ON THE DRAINAGE LONG SECTION IN WHICH CASE SUCH NOTES SHALL TAKE PRECEDENCE.
- 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.

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

SCALEBAR (m) SCALE | 1:3000 @A3 | 1:1500 @A1 | 1:750 @A2

REVISION DETAILS	INT	DATE	SURVEYED	
5 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

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DRURY CENTRE-STAGE 2

OVERALL WASTEWATER LAYOUT PLAN

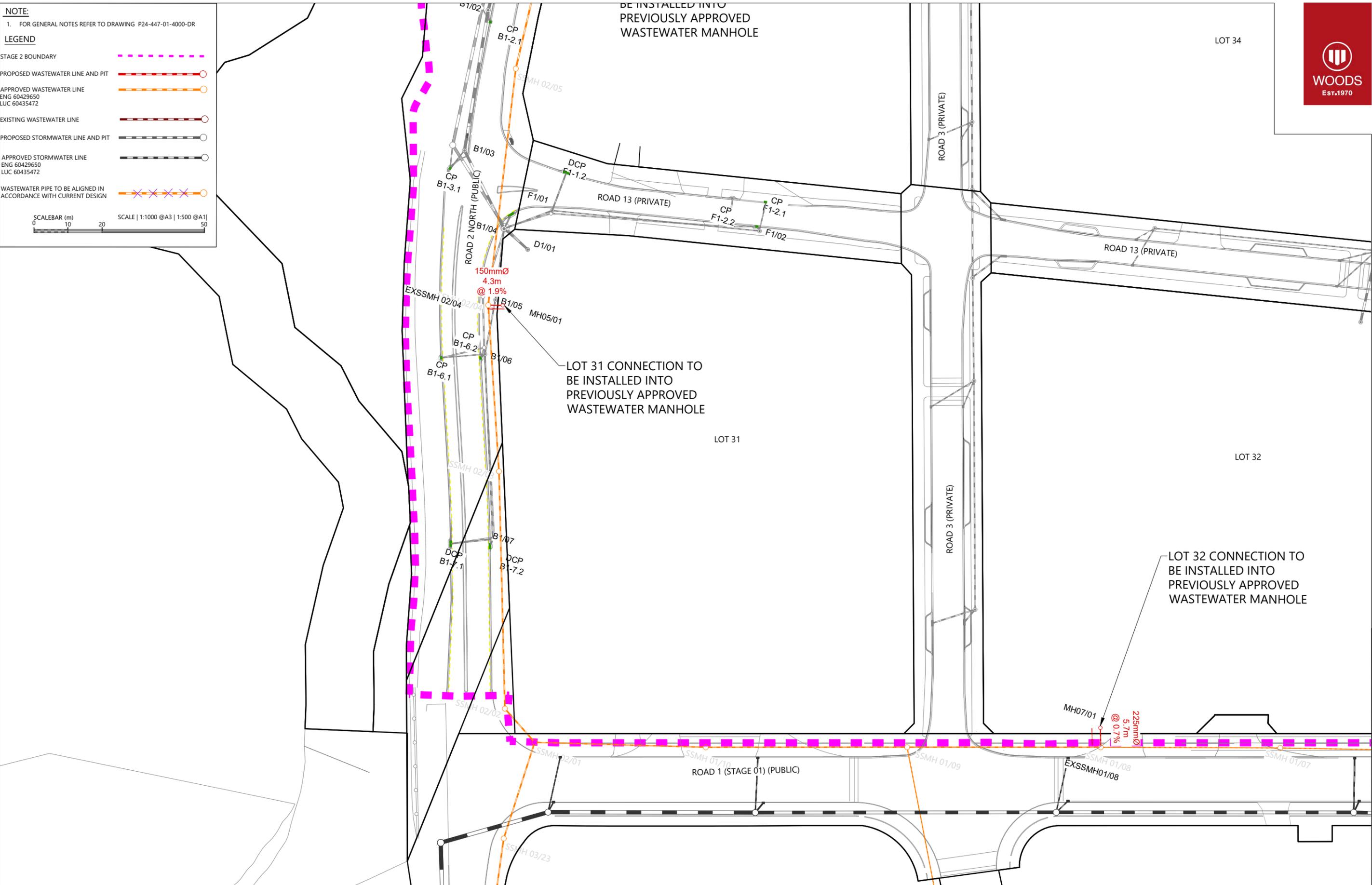
STATUS	FOR S67 RESPONSE	REV
SCALE	1:3000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4000-DR	

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

LEGEND

- STAGE 2 BOUNDARY: Dashed pink line
- PROPOSED WASTEWATER LINE AND PIT: Solid red line with circles
- APPROVED WASTEWATER LINE: Dashed orange line with circles
- EXISTING WASTEWATER LINE: Dashed brown line with circles
- PROPOSED STORMWATER LINE AND PIT: Dashed black line with circles
- APPROVED STORMWATER LINE: Dashed grey line with circles
- WASTEWATER PIPE TO BE ALIGNED IN ACCORDANCE WITH CURRENT DESIGN: Dashed orange line with 'X' marks

SCALEBAR (m) 0 10 20 50
SCALE | 1:1000 @A3 | 1:500 @A1



REVISION DETAILS	INT	DATE	SURVEYED	
5 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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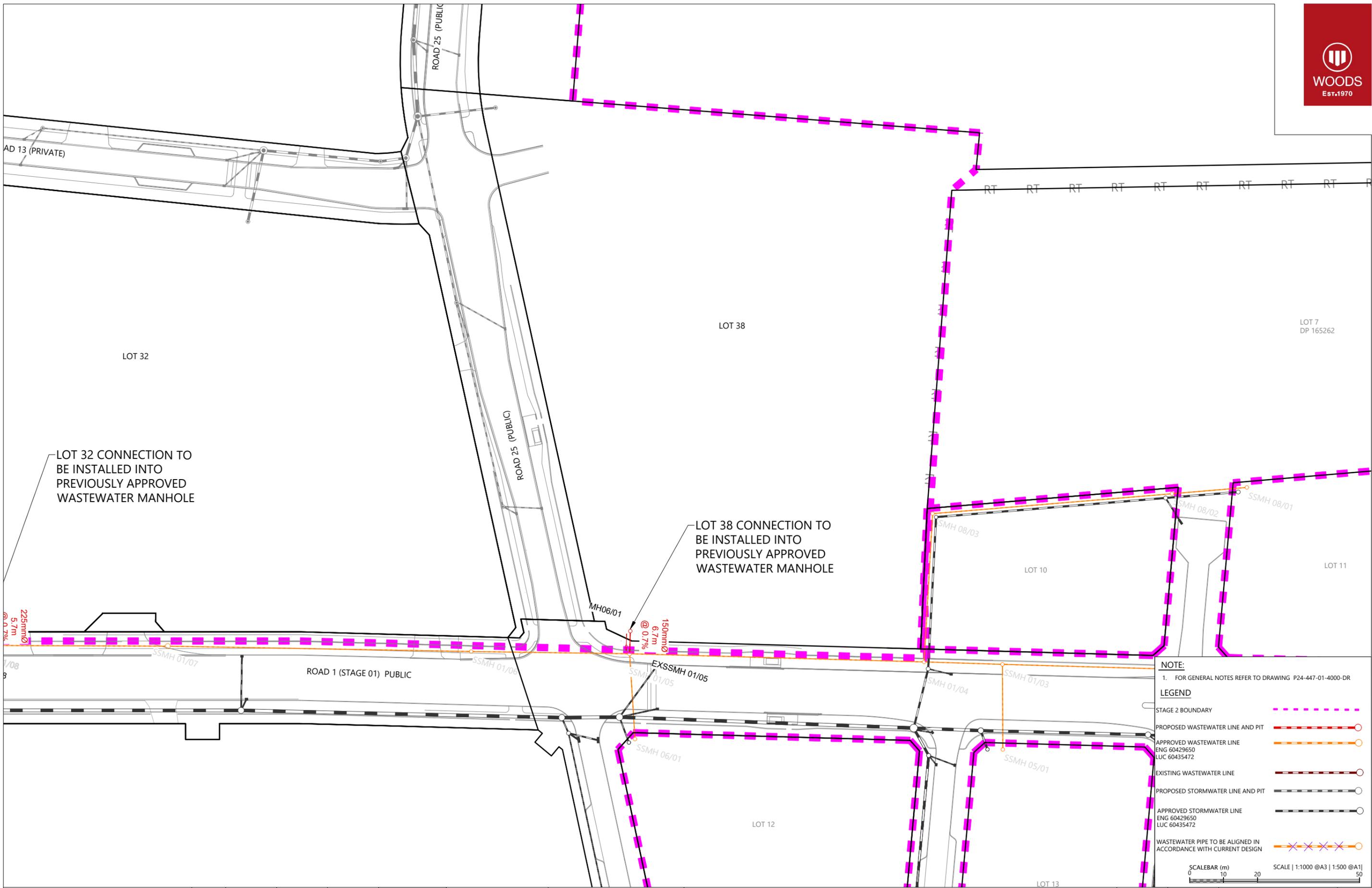


DRURY CENTRE-STAGE 2
WASTEWATER LAYOUT PLAN (SHEET 1 OF 4)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4001-DR	

Plot Date: 11:27:31 am, 17 September 2025, RICARDOO
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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	



REVISION DETAILS	INT	DATE	SURVEYED	
5 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4002-DR	

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

LEGEND

STAGE 2 BOUNDARY

PROPOSED WASTEWATER LINE AND PIT

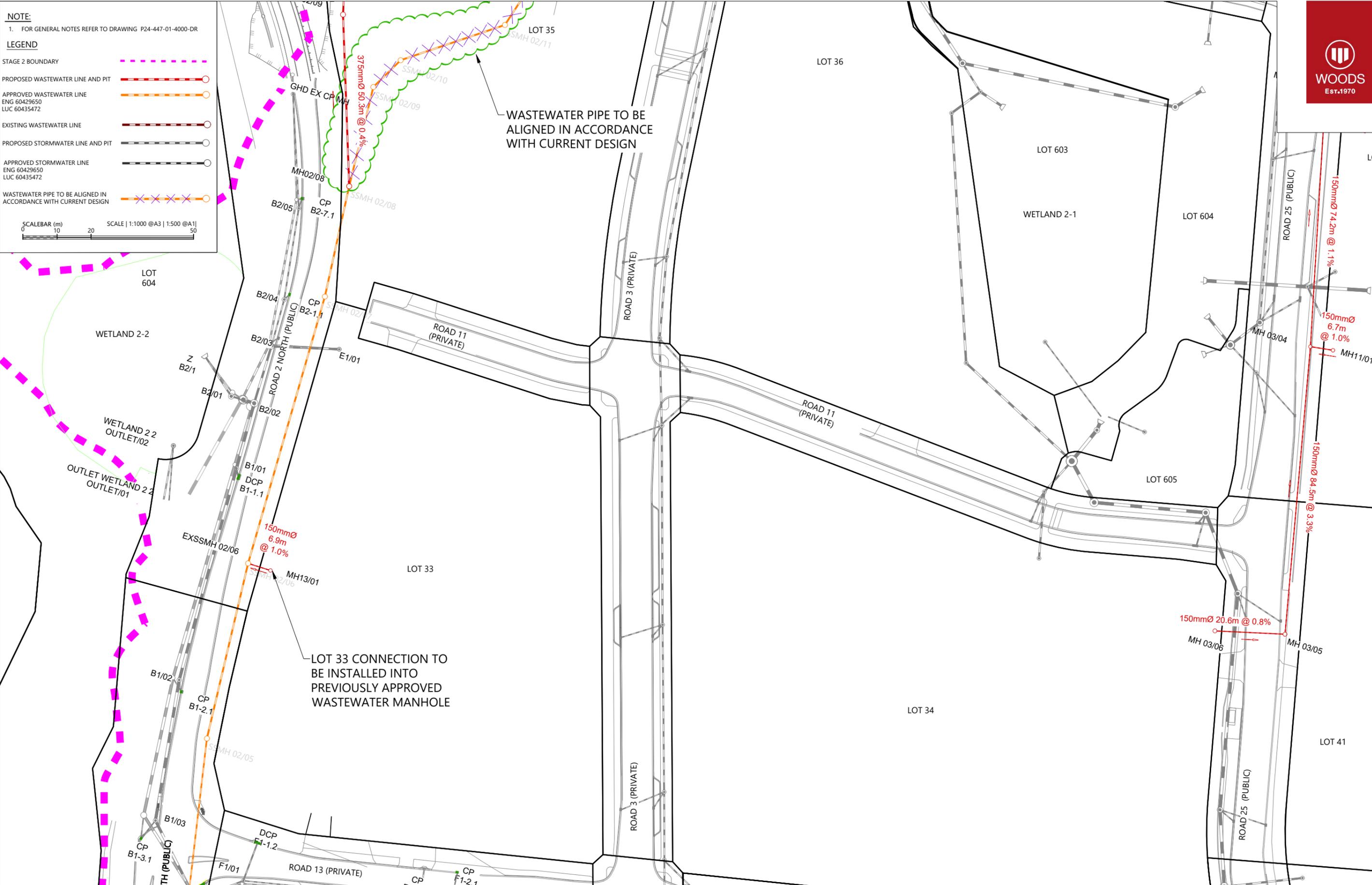
APPROVED WASTEWATER LINE
ENG 60429650
LUC 60435472

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



WASTEWATER PIPE TO BE ALIGNED IN ACCORDANCE WITH CURRENT DESIGN

LOT 33 CONNECTION TO BE INSTALLED INTO PREVIOUSLY APPROVED WASTEWATER MANHOLE

REVISION DETAILS	INT	DATE	SURVEYED	
5 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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

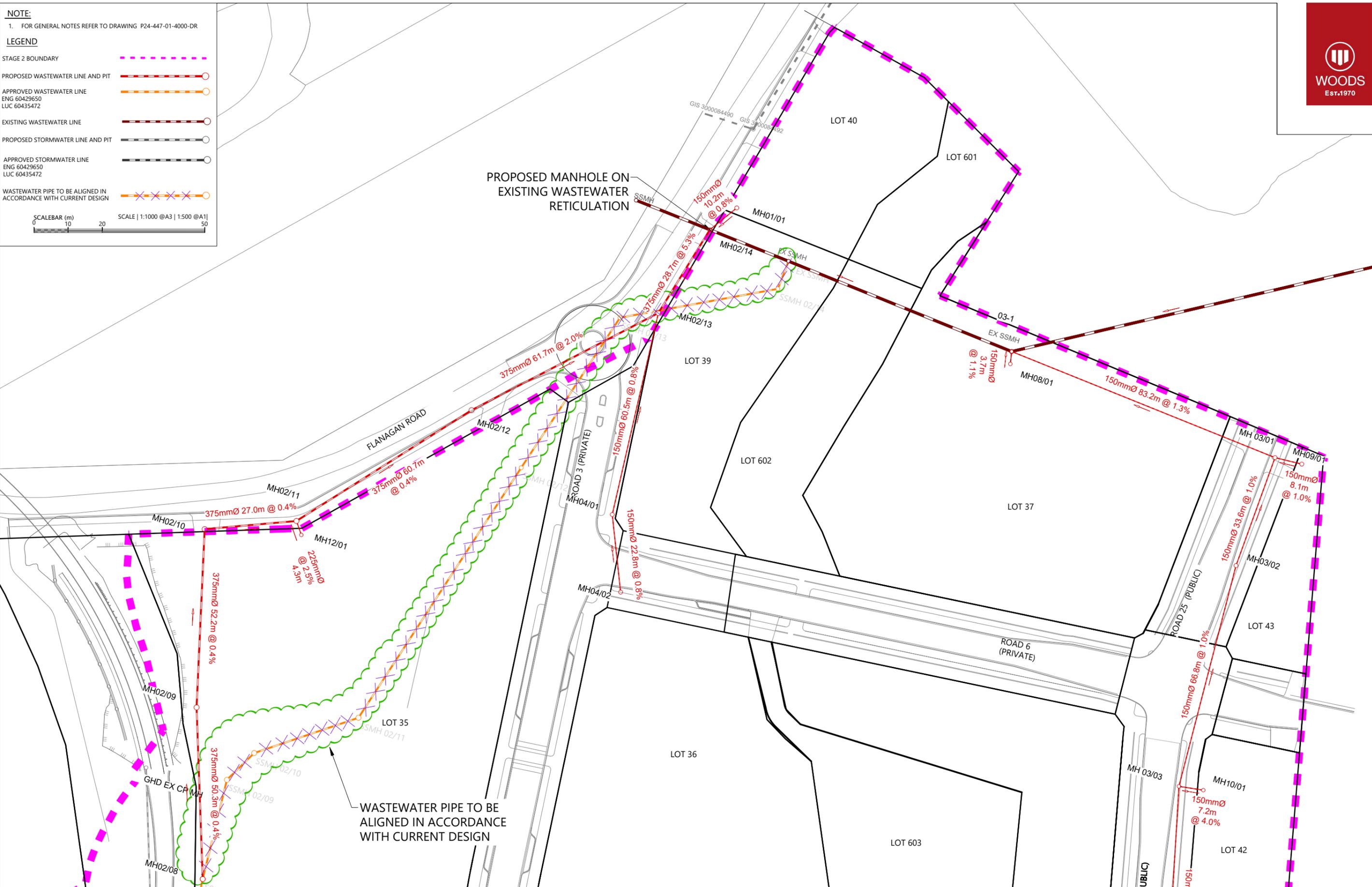


STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4003-DR	

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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



REVISION DETAILS	INT	DATE	SURVEYED	
5 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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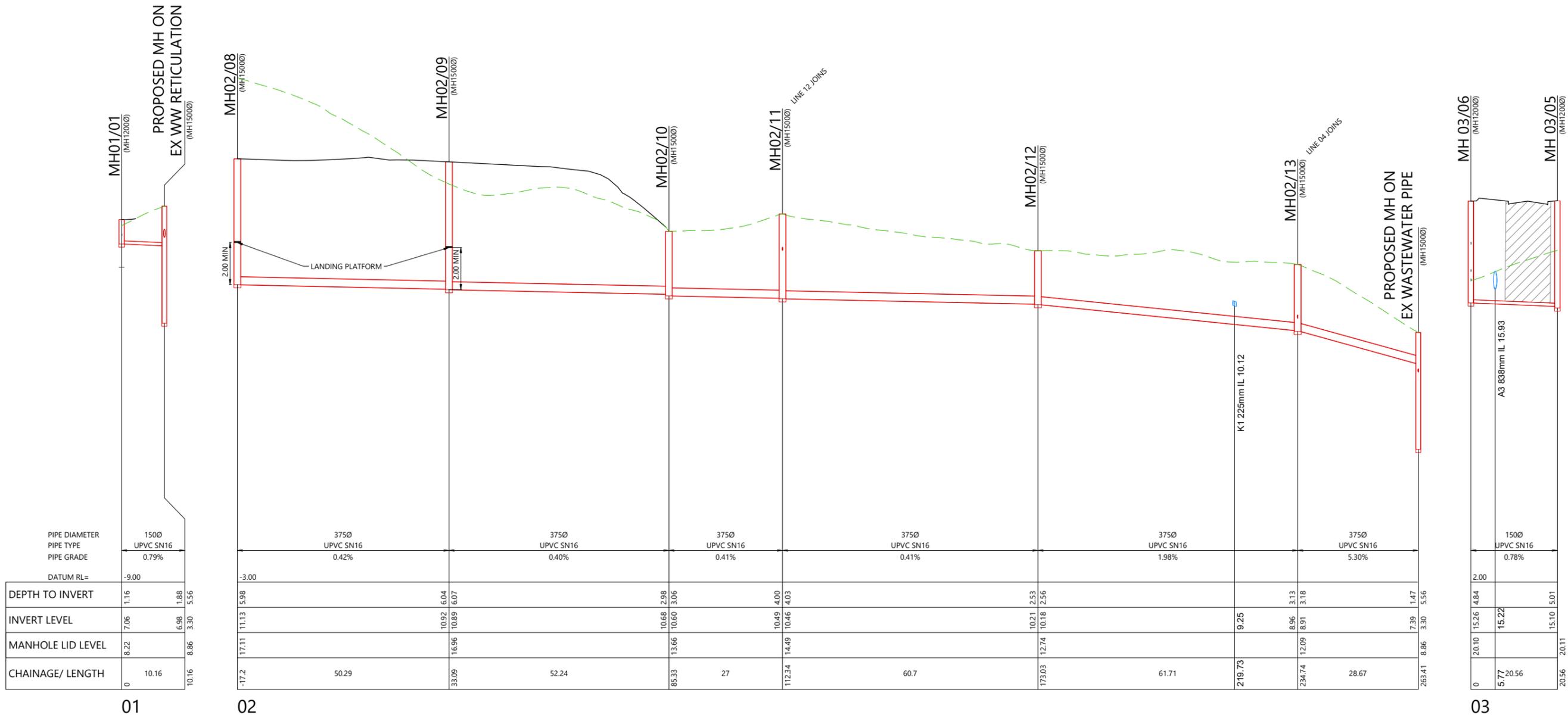
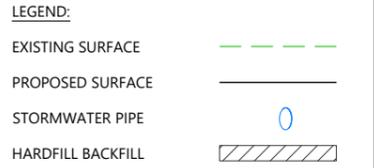
DRURY CENTRE-STAGE 2
WASTEWATER LAYOUT PLAN (SHEET 4 OF 4)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4004-DR	

Plot Date: 11:27:32 am, 17 September 2025, RICARDOO
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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



REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	JK
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	GW



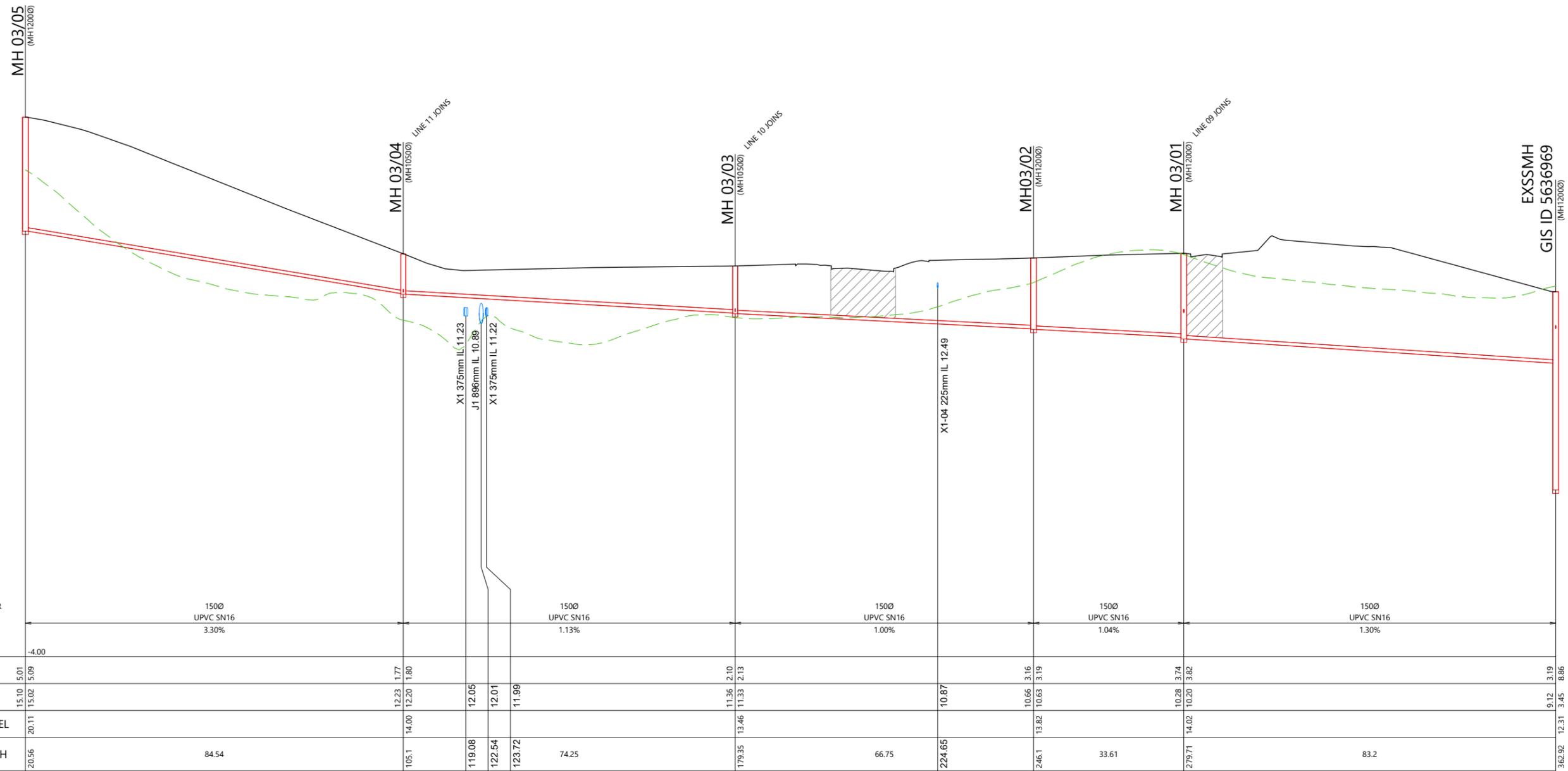
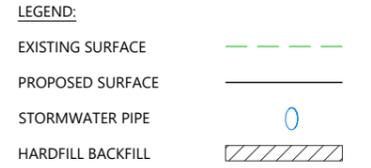
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DRURY CENTRE-STAGE 2
WASTEWATER LONGSECTION (SHEET 1 OF 4)

STATUS	FOR S67 RESPONSE	REV	
SCALE	H 1:1000 @ A3 V 1:200 @ A3		11
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-4500-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



PIPE DIAMETER	1500	1500	1500	1500	1500	1500	1500
PIPE TYPE	UPVC SN16	UPVC SN16	UPVC SN16	UPVC SN16	UPVC SN16	UPVC SN16	UPVC SN16
PIPE GRADE	3.30%	1.13%	1.00%	1.04%	1.30%		
DATUM RL=	-4.00						
DEPTH TO INVERT	15.10 5.01 15.02 5.09	12.23 1.77 12.20 1.80	12.05 12.01 11.99	11.36 2.10 11.33 2.13	10.87	10.66 3.16 10.63 3.19	10.28 3.74 10.20 3.82 9.12 3.19 3.45 8.86
INVERT LEVEL	20.56	105.1 119.08 122.54 123.72	74.25	179.35	224.65	246.1	362.92
MANHOLE LID LEVEL							
CHAINAGE/ LENGTH	84.54					33.61	83.2

03

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	JK
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	GW



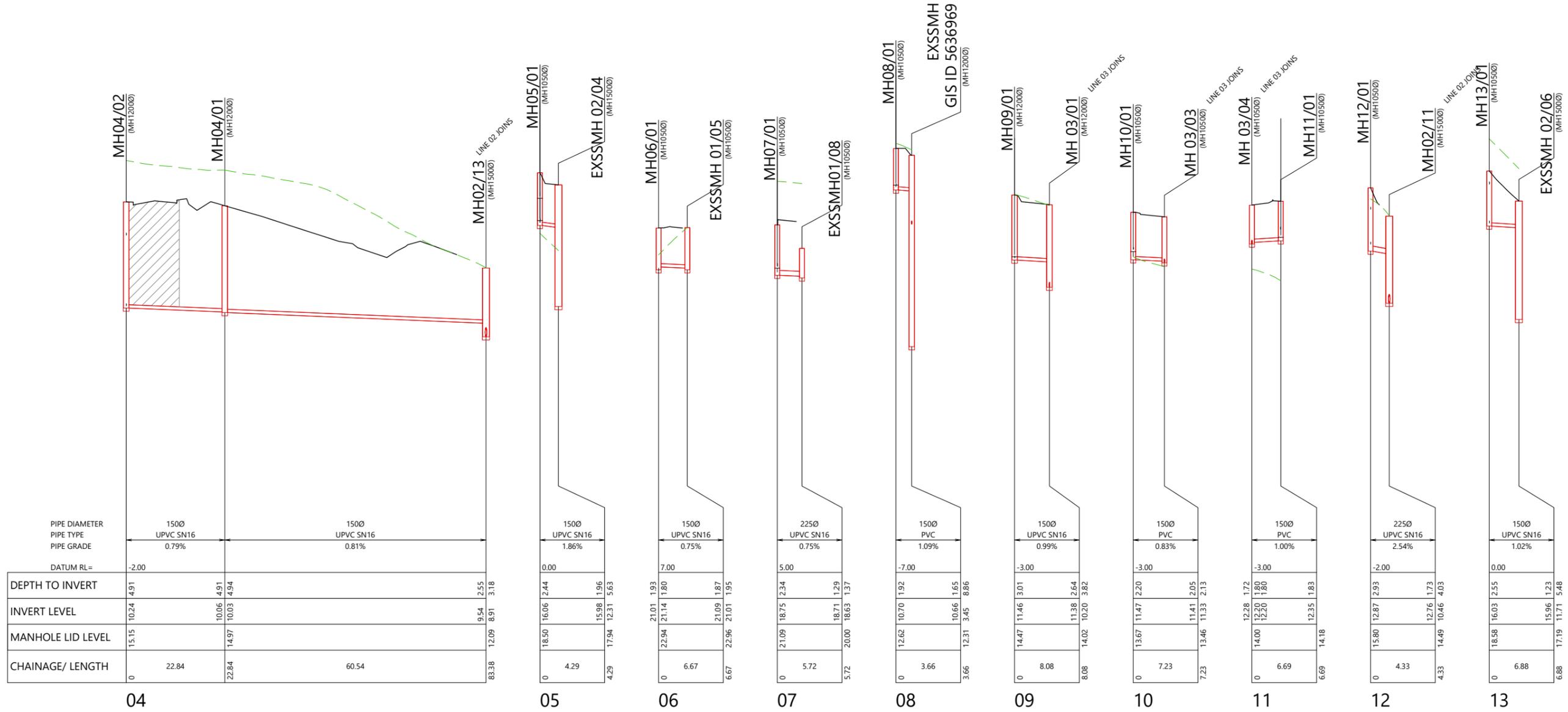
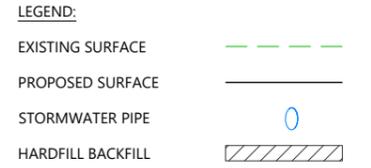
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DRURY CENTRE-STAGE 2
WASTEWATER LONGSECTION (SHEET 2 OF 4)

STATUS	FOR S67 RESPONSE	REV	
SCALE	H 1:1000 @ A3 V 1:200 @ A3		11
COUNCIL	AUCKLAND COUNCIL		
DWG NO	P24-447-01-4501-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



PIPE DIAMETER	PIPE TYPE	PIPE GRADE	DATUM RL=
1500	UPVC SN16	0.79%	-2.00
1500	UPVC SN16	0.81%	-2.00
1500	UPVC SN16	1.86%	0.00
1500	UPVC SN16	0.75%	7.00
2250	UPVC SN16	0.75%	5.00
1500	PVC	1.09%	-7.00
1500	UPVC SN16	0.99%	-3.00
1500	PVC	0.83%	-3.00
1500	PVC	1.00%	-3.00
2250	UPVC SN16	2.54%	-2.00
1500	UPVC SN16	1.02%	0.00

DEPTH TO INVERT	INVERT LEVEL	MANHOLE LID LEVEL	CHAINAGE/ LENGTH
4.91	10.24	15.15	0
4.94	10.06	14.97	22.84
2.55	9.54	12.09	60.54
3.18	8.91	11.79	83.38
2.44	16.06	18.50	0
1.96	15.98	17.94	4.29
1.95	21.01	22.96	6.67
1.80	21.14	22.94	6.67
1.87	21.09	21.09	5.72
1.37	18.71	20.00	5.72
1.92	10.70	12.62	0
1.65	10.66	12.31	3.66
8.86	3.45	12.31	3.66
3.01	11.46	14.47	0
2.64	11.38	14.02	8.08
3.82	10.20	14.02	8.08
2.20	11.47	13.67	0
2.05	11.41	13.46	7.23
2.13	11.33	13.46	7.23
1.72	12.28	14.00	0
1.80	12.50	14.00	6.69
1.83	12.20	14.00	6.69
1.83	12.35	14.18	6.69
2.93	12.87	15.80	0
1.73	12.76	14.49	4.33
4.03	10.46	14.49	4.33
2.55	16.03	18.58	0
1.23	15.96	17.19	6.88
5.48	11.71	17.19	6.88

REVISION DETAILS	INT	DATE	SURVEYED
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED



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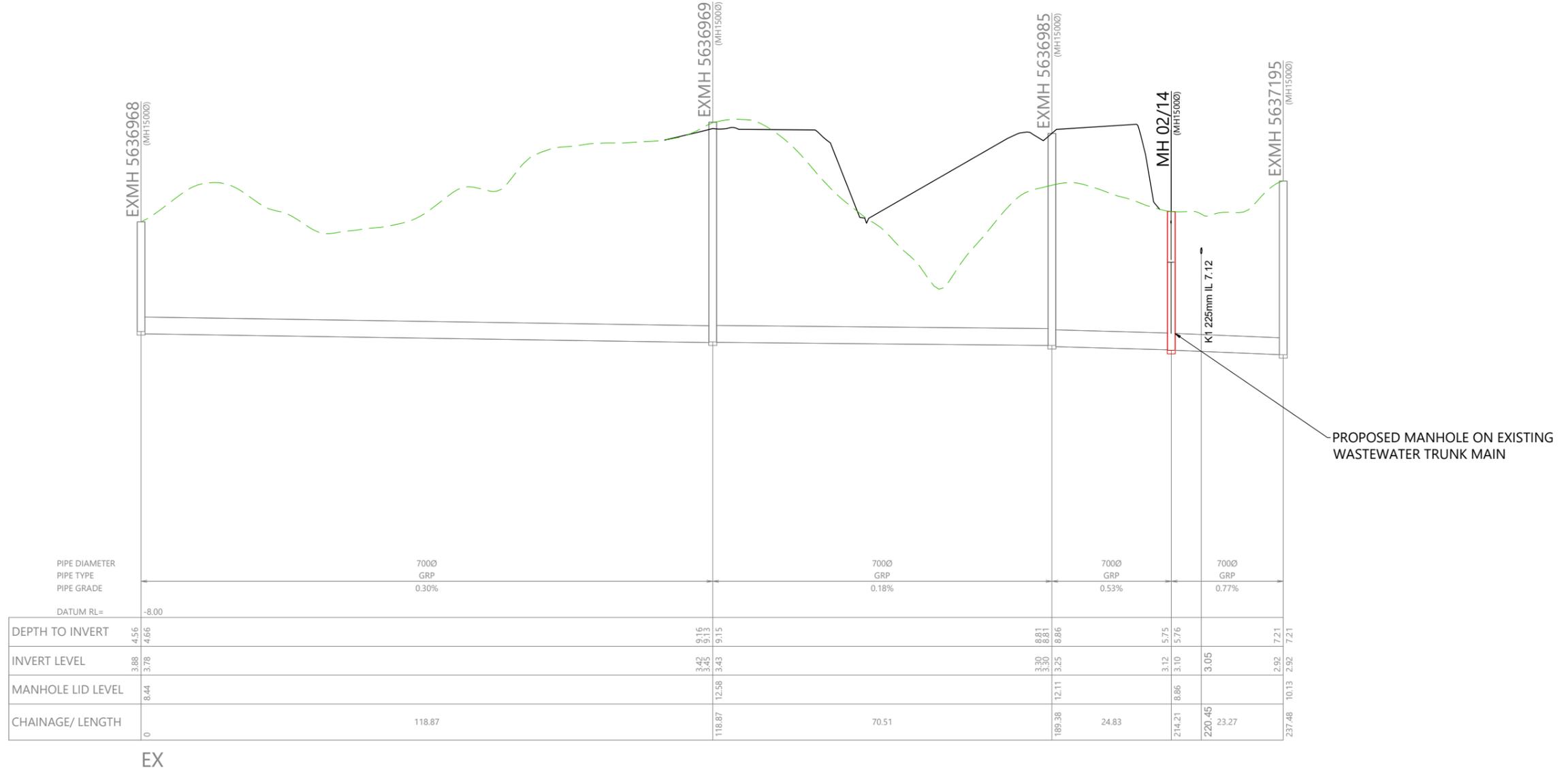
DRURY CENTRE-STAGE 2
WASTEWATER LONGSECTION (SHEET 3 OF 4)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
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	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	JK
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	GW



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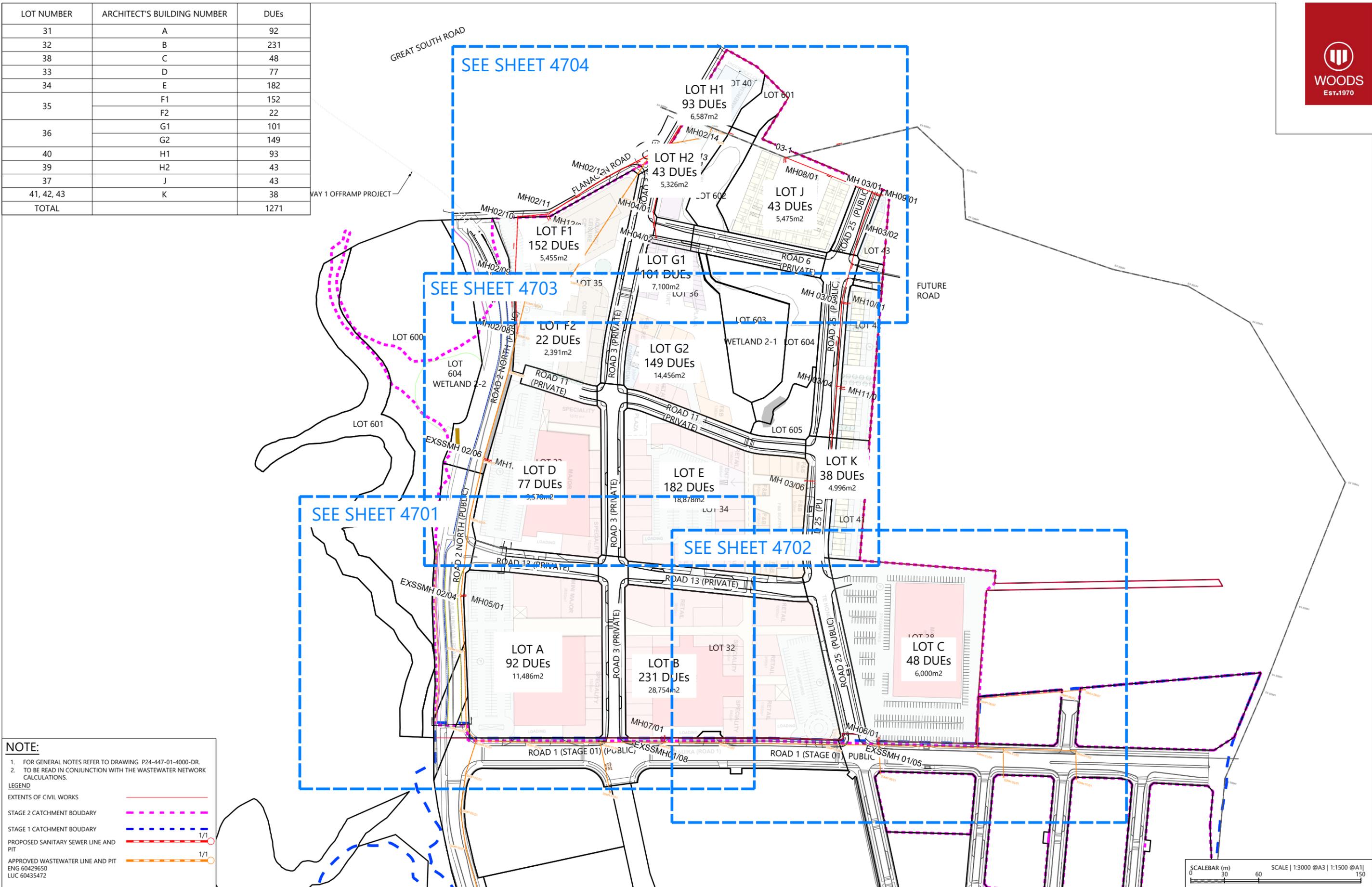
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DRURY CENTRE-STAGE 2
WASTEWATER LONGSECTION (SHEET 4 OF 4)

STATUS	FOR S67 RESPONSE	REV
SCALE	H 1:1000 @ A3 V 1:200 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4503-DR	

LOT NUMBER	ARCHITECT'S BUILDING NUMBER	DUEs
31	A	92
32	B	231
38	C	48
33	D	77
34	E	182
35	F1	152
	F2	22
36	G1	101
	G2	149
40	H1	93
39	H2	43
37	J	43
41, 42, 43	K	38
TOTAL		1271



NOTE:

- FOR GENERAL NOTES REFER TO DRAWING P24-447-01-4000-DR.
- TO BE READ IN CONJUNCTION WITH THE WASTEWATER NETWORK CALCULATIONS.

LEGEND

EXTENTS OF CIVIL WORKS

STAGE 2 CATCHMENT BOUDARY

STAGE 1 CATCHMENT BOUDARY

PROPOSED SANITARY SEWER LINE AND PIT 1/1

APPROVED WASTEWATER LINE AND PIT 1/1

ENG 60429650
LUC 60435472

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

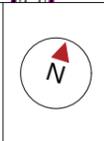


BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
+64 9 308 9229



DRURY CENTRE-STAGE 2

OVERALL WASTEWATER CATCHMENT LAYOUT PLAN



SCALEBAR (m)	SCALE 1:3000 @A3 1:1500 @A1 1:750 @A0
STATUS	FOR S67 RESPONSE
SCALE	1:3000 @ A3
COUNCIL	AUCKLAND COUNCIL
DWG NO	P24-447-01-4700-DR
REV	11

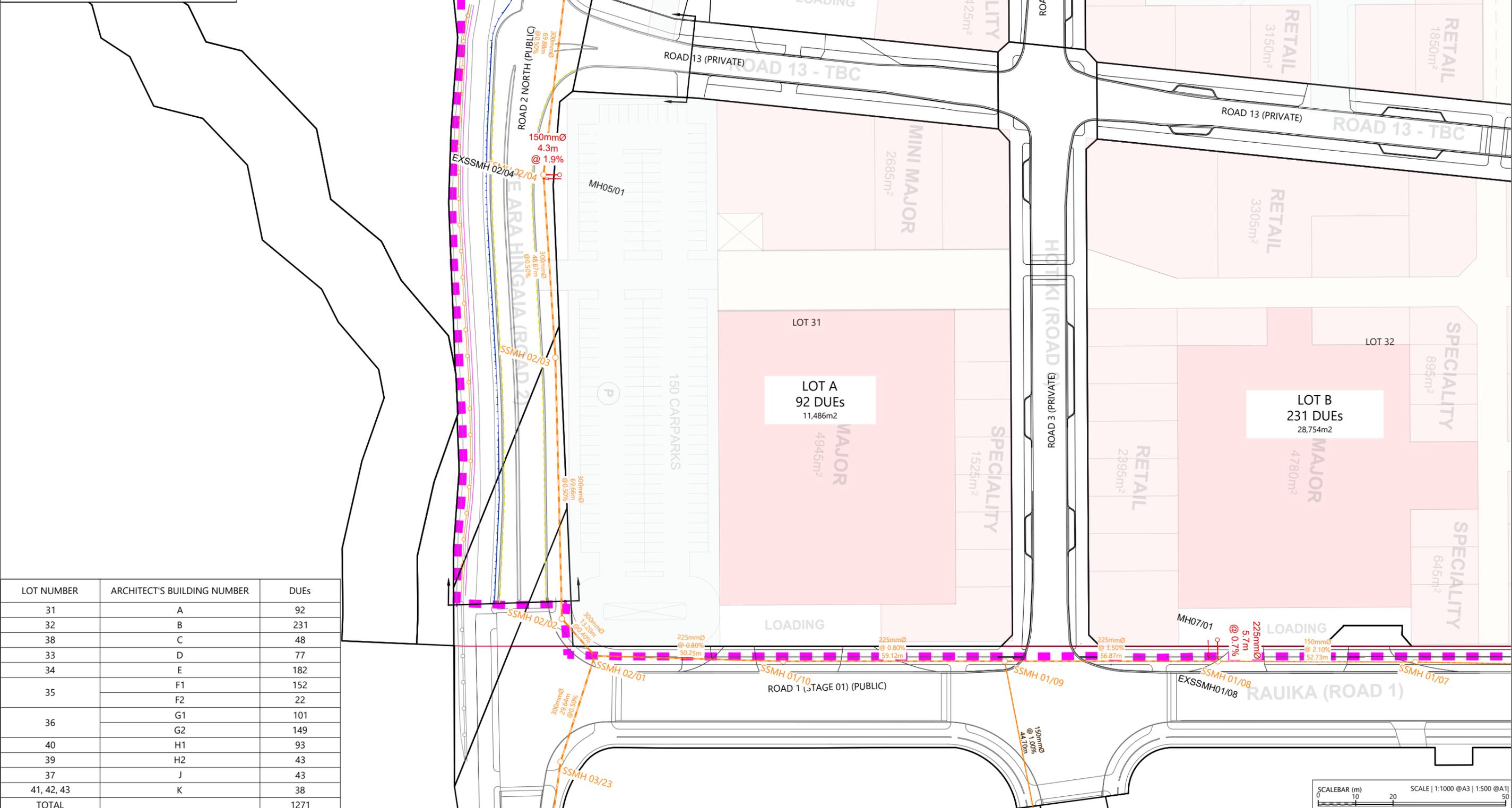


NOTE:

- FOR GENERAL NOTES REFER TO DRAWING P24-447-01-4000-DR.
- TO BE READ IN CONJUNCTION WITH THE WASTEWATER NETWORK CALCULATIONS.

LEGEND

EXTENTS OF CIVIL WORKS	
STAGE 2 CATCHMENT BOUNDARY	
STAGE 1 CATCHMENT BOUNDARY	
PROPOSED SANITARY SEWER LINE AND PIT	
APPROVED WASTEWATER LINE AND PIT	



LOT NUMBER	ARCHITECT'S BUILDING NUMBER	DUEs
31	A	92
32	B	231
38	C	48
33	D	77
34	E	182
35	F1	152
	F2	22
36	G1	101
	G2	149
40	H1	93
39	H2	43
37	J	43
41, 42, 43	K	38
TOTAL		1271

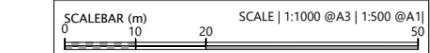
REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	17/09/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4701-DR	

Plot Date: 11:33:17 am, 17 September 2025, RICARDOO
File: C:\1205\DATA\WIP-AK-APP-02\P24-447 - DRURY CENTRE - STAGE 2_2214002.DRAWINGS\01 ENG\P24-447-01-4700-DR_WASTEWATER CATCHMENT PLAN.DWG



NOTE:
 1. FOR GENERAL NOTES REFER TO DRAWING P24-447-01-4000-DR.
 2. TO BE READ IN CONJUNCTION WITH THE WASTEWATER NETWORK CALCULATIONS.

LEGEND
 EXTENTS OF CIVIL WORKS
 STAGE 2 CATCHMENT BOUNDARY
 STAGE 1 CATCHMENT BOUNDARY
 PROPOSED SANITARY SEWER LINE AND PIT
 APPROVED WASTEWATER LINE AND PIT



LOT NUMBER	ARCHITECT'S BUILDING NUMBER	DUEs
31	A	92
32	B	231
38	C	48
33	D	77
34	E	182
35	F1	152
	F2	22
36	G1	101
	G2	149
40	H1	93
39	H2	43
37	J	43
41, 42, 43	K	38
TOTAL		1271

REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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DRURY CENTRE-STAGE 2
 WASTEWATER CATCHMENT PLAN (SHEET 3 OF 4)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4703-DR	

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LOT NUMBER	ARCHITECT'S BUILDING NUMBER	DUEs
31	A	92
32	B	231
38	C	48
33	D	77
34	E	182
35	F1	152
	F2	22
36	G1	101
	G2	149
40	H1	93
39	H2	43
37	J	43
41, 42, 43	K	38
TOTAL		1271

NOTE:

- FOR GENERAL NOTES REFER TO DRAWING P24-447-01-4000-DR.
- TO BE READ IN CONJUNCTION WITH THE WASTEWATER NETWORK CALCULATIONS.

LEGEND

EXTENTS OF CIVIL WORKS

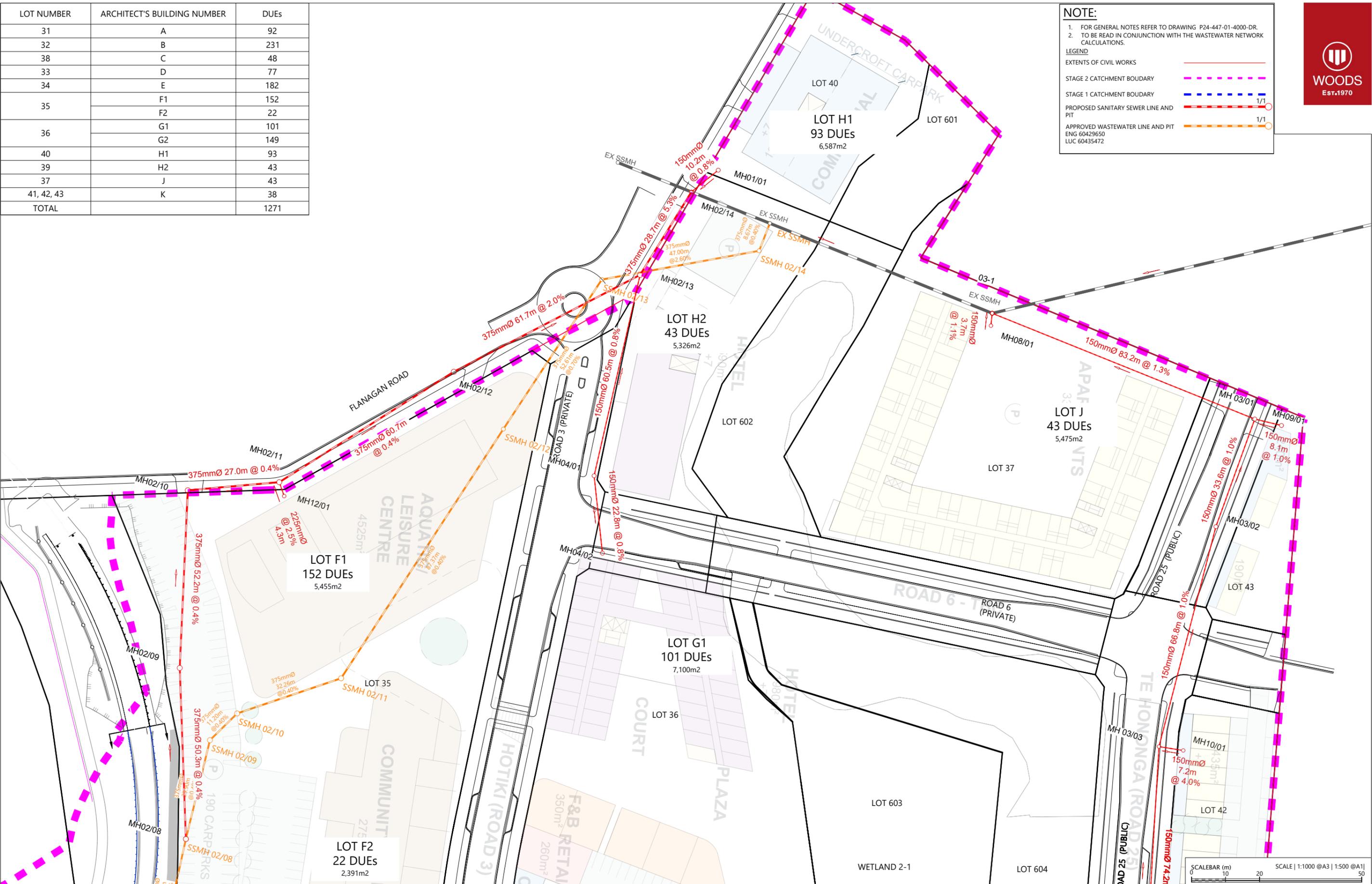
STAGE 2 CATCHMENT BOUDARY

STAGE 1 CATCHMENT BOUDARY

PROPOSED SANITARY SEWER LINE AND PIT

APPROVED WASTEWATER LINE AND PIT

ENG 60429650
LUC 60435472



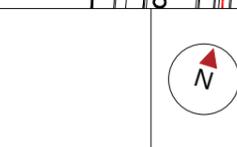
REVISION DETAILS	INT	DATE	SURVEYED	
4 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	EW
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	EW
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	GW
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



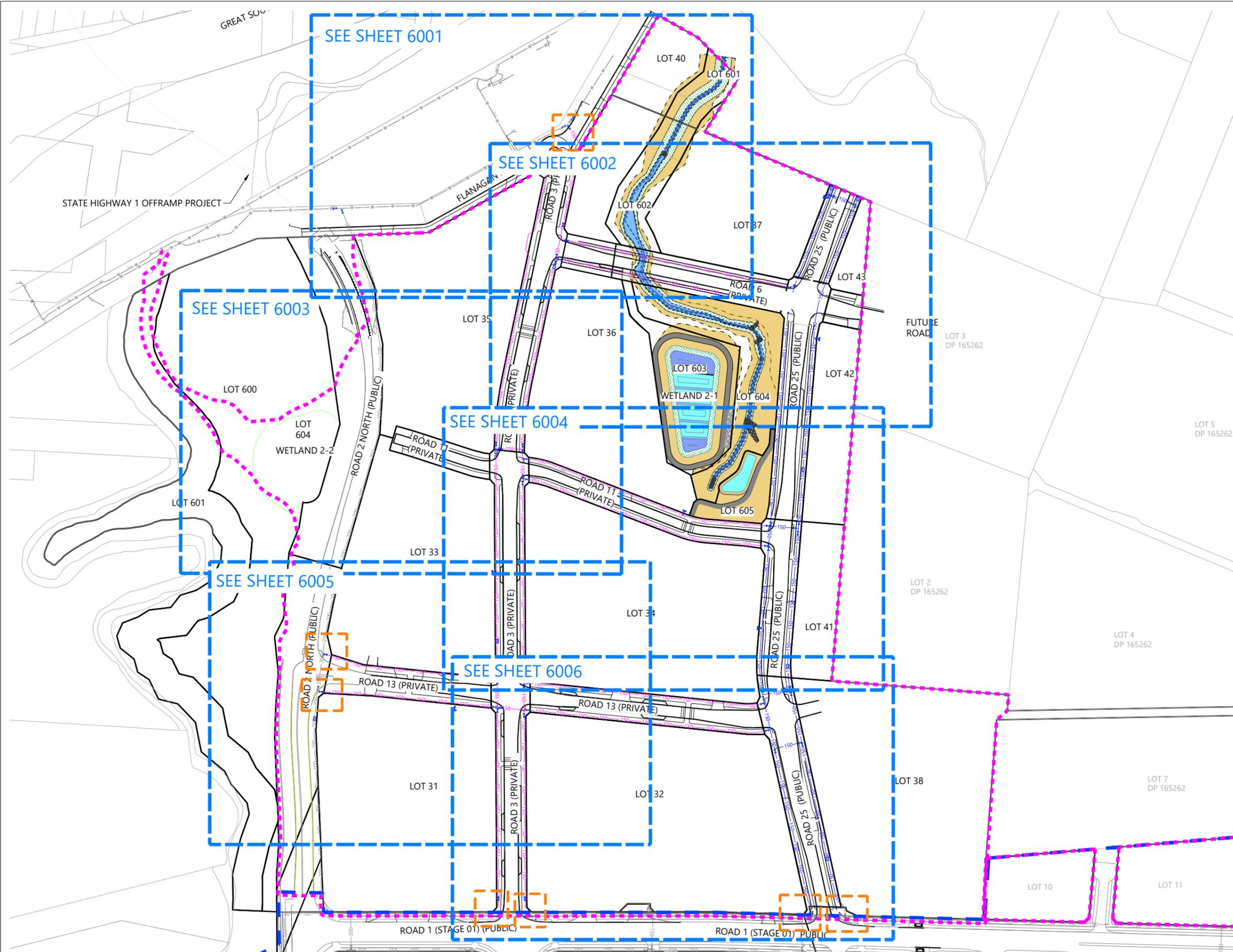
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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+64 9 308 9229



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



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-4704-DR	



NOTES

- REFER TO LUC60390225, ENG60429650 FOR THE WASTEWATER AND WATER SUPPLY NETWORK CONSENTS APPROVED FOR DRURY CENTRE STAGE 1.
- ALL WORK AND MATERIALS TO COMPLY WITH WATERCARE CODE OF PRACTICE WATER SUPPLY ONLY v2.4. ANY AMBIGUITY BETWEEN THESE DRAWINGS AND WATERCARE STANDARDS ARE TO BE REFERRED TO THE ENGINEER FOR CLARIFICATION.
- ALL WATERMAIN ROAD CROSSINGS ARE TO BE HARDFILL BACKFILLED.
- THE CONTRACTOR IS RESPONSIBLE FOR TESTING AND STERILISATION IN PREPARATION FOR CONNECTION APPLICATION. CONNECTIONS TO THE EXISTING MAIN(S) ONLY TO BE MADE BY WSL APPROVED CONTRACTORS.
- WATERMAINS ARE TO BE INSTALLED 1.1m OFF THE ROAD RESERVE BOUNDARY. THE STANDARD LAY POSITION IS SHOWN ON THE TYPICAL ROAD CROSS SECTION DRAWING.
- ALL CONNECTIONS TO EXISTING LIVE WATER SUPPLY TO BE COMPLETED BY VEOLIA.
- ALL TEES ARE TO BE PE FLANGED DUCTILE IRON.
- ALL PIPE SIZES SHOWN ARE INTERNAL DIAMETERS (NOMINAL BORE).
- PIPE MATERIAL IS SPECIFIED AS FOLLOWS:
 - 25NB PE LOT CONNECTION IS 25mm ID (32mm OD) PE 80B SDR 11 PN 12.5
 - 50NB PE RIDERMAIN IS 50mm ID (63mm OD) PE 100 SDR 13.6 PN 12.5
 - 100NB PE WATERMAIN IS 100mm ID (125mm OD) PE 100 SDR 13.6 PN 12.5
 - 150NB PE WATERMAIN IS 150mm ID (180mm OD) PE 100 SDR 13.6 PN 12.5
 - 200NB PE WATERMAIN IS 200mm ID (250mm OD) PE 100 SDR 13.6 PN 12.
- PIPE FITTINGS, VALVES AND HYDRANTS SHOWN AT INCREASED SCALE. ALL VALVES AND HYDRANT SURFACE LIDS TO BE LOCATED EITHER ENTIRELY IN THE CONCRETE FOOTPATH OR BERM.

LEGEND

STAGE 2 CATCHMENT EXTENT	
STAGE 1 CATCHMENT EXTENT	
PUBLIC PROPOSED 100mm NB	
PUBLIC PROPOSED 150mm NB	
PUBLIC PROPOSED 200mm NB	
PRIVATE PROPOSED 100mm NB	
PRIVATE PROPOSED 150mm NB	
PRIVATE PROPOSED 200mm NB	
EXISTING WATERMAIN	
STAGE 1 EPA APPROVED 100mm NB	
STAGE 1 EPA APPROVED 200mm NB	
SLUICE VALVE	
50mm PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
CONNECTION LOCATIONS	



REVISION DETAILS	INT	DATE	SURVEYED	
6 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MBB
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	AR
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	SF
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

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

1

STATUS	FOR S67 RESPONSE	REV
SCALE	1:2500@ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-6000-WR	

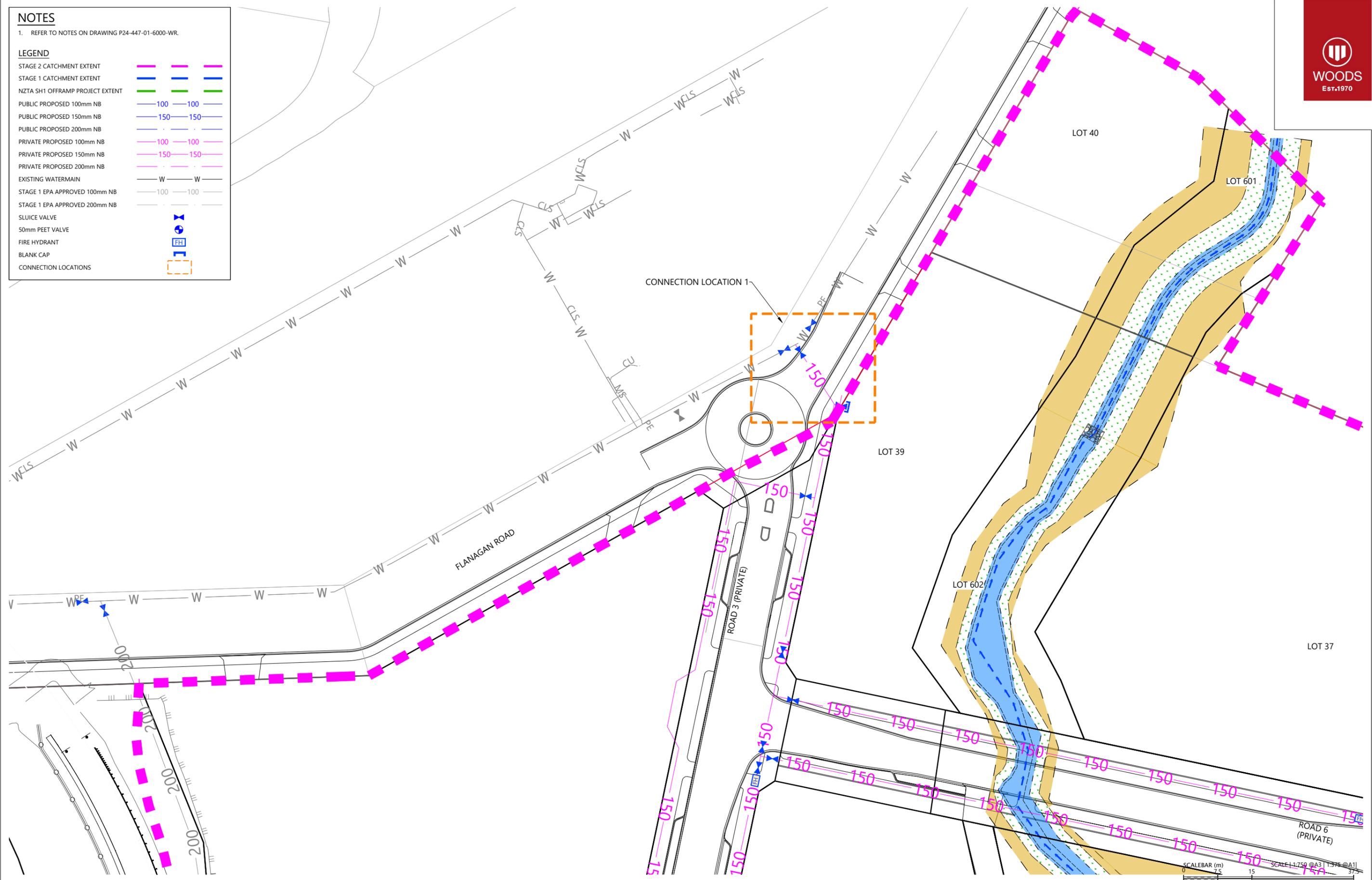
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NOTES

1. REFER TO NOTES ON DRAWING P24-447-01-6000-WR.

LEGEND

- STAGE 2 CATCHMENT EXTENT ---
- STAGE 1 CATCHMENT EXTENT ---
- NZTA SH1 OFFRAMP PROJECT EXTENT ---
- PUBLIC PROPOSED 100mm NB --- 100 ---
- PUBLIC PROPOSED 150mm NB --- 150 ---
- PUBLIC PROPOSED 200mm NB --- 200 ---
- PRIVATE PROPOSED 100mm NB --- 100 ---
- PRIVATE PROPOSED 150mm NB --- 150 ---
- PRIVATE PROPOSED 200mm NB --- 200 ---
- EXISTING WATERMAIN --- W --- W
- STAGE 1 EPA APPROVED 100mm NB --- 100 ---
- STAGE 1 EPA APPROVED 200mm NB --- 200 ---
- SLUICE VALVE
- 50mm PEET VALVE
- FIRE HYDRANT
- BLANK CAP
- CONNECTION LOCATIONS



REVISION DETAILS	INT	DATE	SURVEYED	
6 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MBB
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	AR
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	SF
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



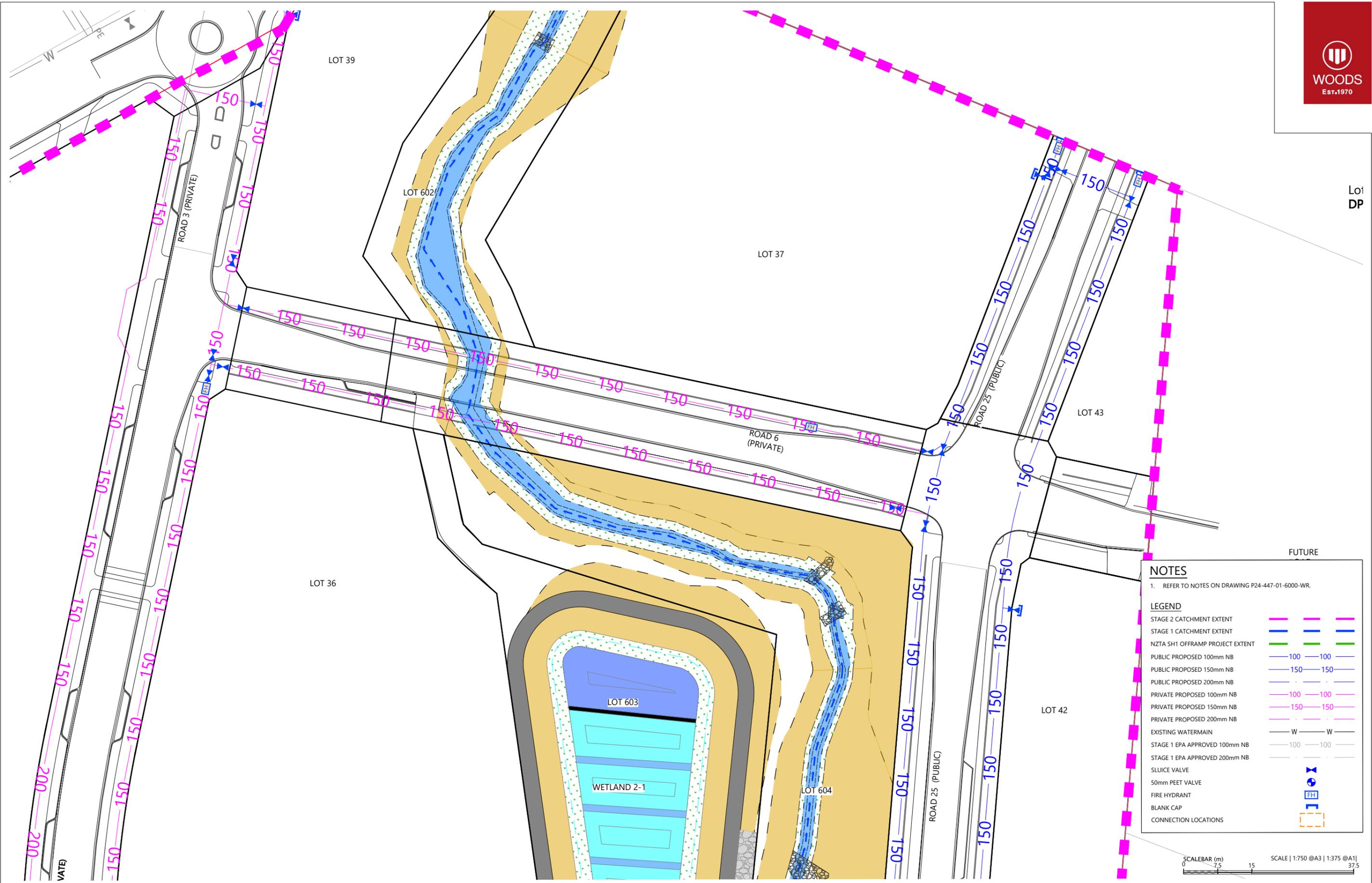
BUILDING B, LEVEL 1
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DRURY CENTRE-STAGE 2
WATER SUPPLY PLAN (SHEET 1 OF 6)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-6001-WR	



NOTES

1. REFER TO NOTES ON DRAWING P24-447-01-6000-WR.

LEGEND

STAGE 2 CATCHMENT EXTENT	
STAGE 1 CATCHMENT EXTENT	
NZTA SH1 OFFRAMP PROJECT EXTENT	
PUBLIC PROPOSED 100mm NB	
PUBLIC PROPOSED 150mm NB	
PUBLIC PROPOSED 200mm NB	
PRIVATE PROPOSED 100mm NB	
PRIVATE PROPOSED 150mm NB	
PRIVATE PROPOSED 200mm NB	
EXISTING WATERMAIN	
STAGE 1 EPA APPROVED 100mm NB	
STAGE 1 EPA APPROVED 200mm NB	
SLUICE VALVE	
50mm PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
CONNECTION LOCATIONS	



REVISION DETAILS	INT	DATE	SURVEYED	
6 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MBB
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	AR
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	SF
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
AUCKLAND 1023
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DRURY CENTRE-STAGE 2
WATER SUPPLY PLAN (SHEET 2 OF 6)



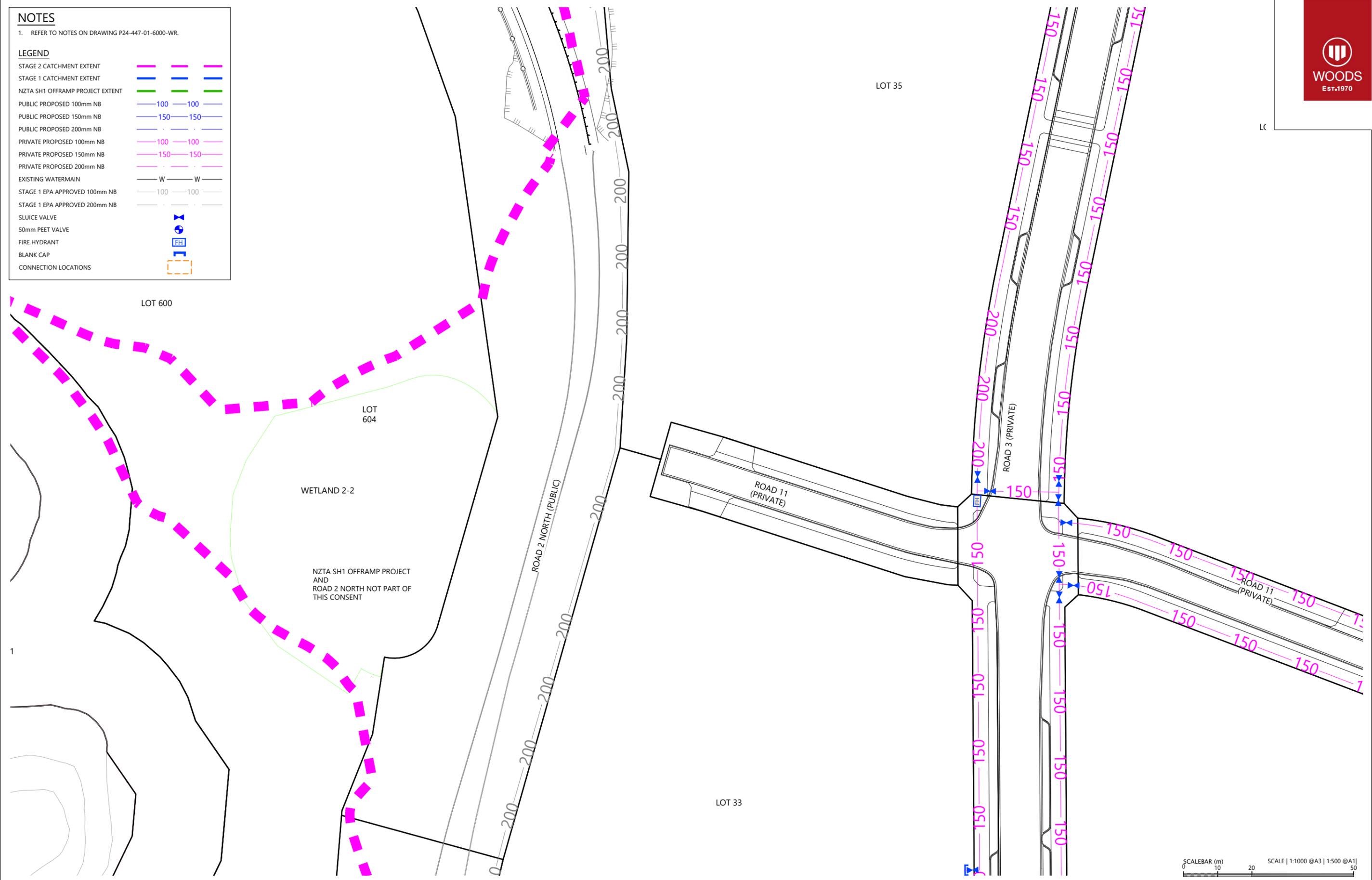
STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-6002-WR	

NOTES

1. REFER TO NOTES ON DRAWING P24-447-01-6000-WR.

LEGEND

STAGE 2 CATCHMENT EXTENT	
STAGE 1 CATCHMENT EXTENT	
NZTA SH1 OFFRAMP PROJECT EXTENT	
PUBLIC PROPOSED 100mm NB	
PUBLIC PROPOSED 150mm NB	
PUBLIC PROPOSED 200mm NB	
PRIVATE PROPOSED 100mm NB	
PRIVATE PROPOSED 150mm NB	
PRIVATE PROPOSED 200mm NB	
EXISTING WATERMAIN	
STAGE 1 EPA APPROVED 100mm NB	
STAGE 1 EPA APPROVED 200mm NB	
SLUICE VALVE	
50mm PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
CONNECTION LOCATIONS	



REVISION DETAILS	INT	DATE	SURVEYED	
6 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MBB
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	AR
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	SF
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



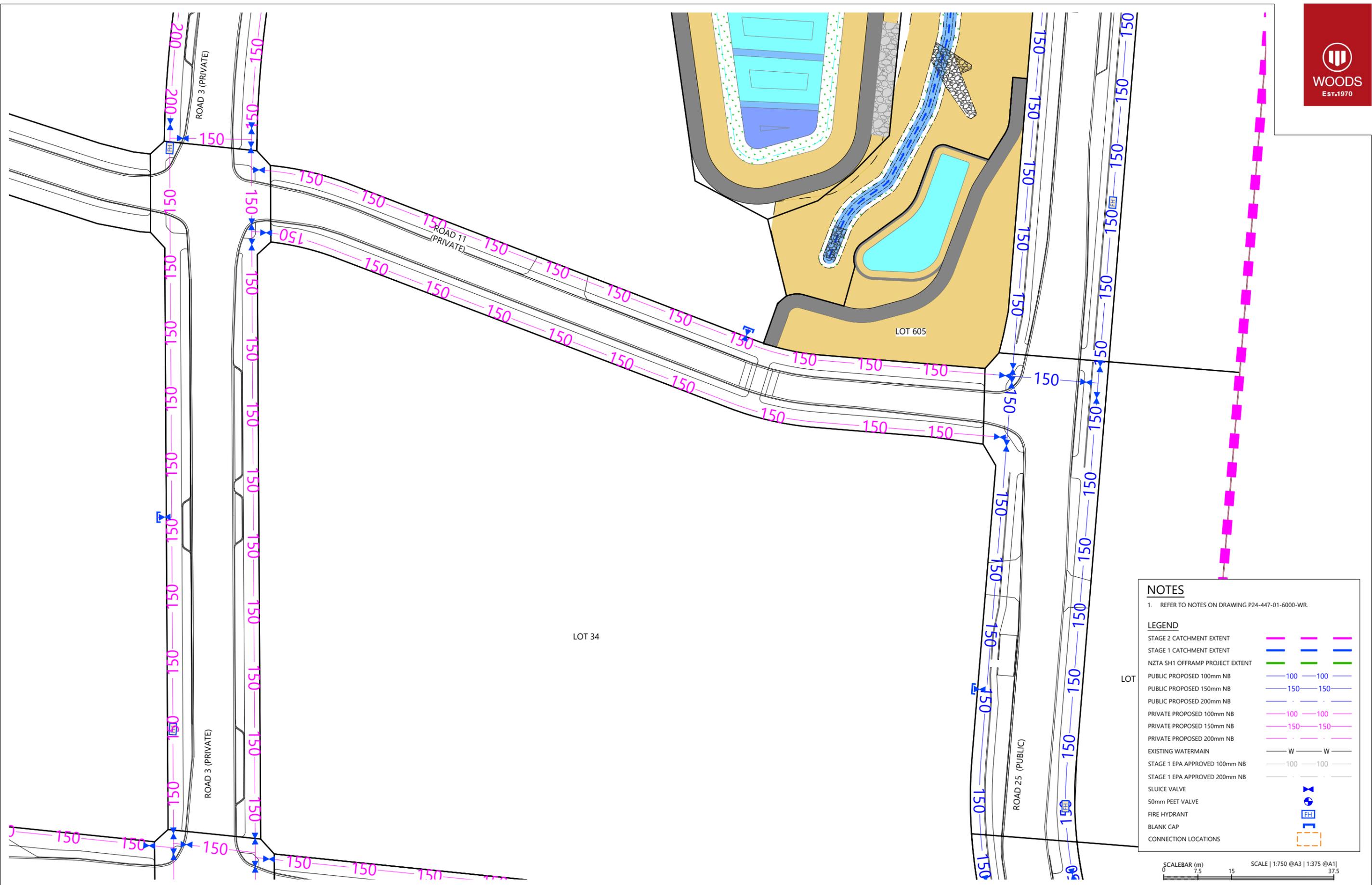
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
WATER SUPPLY PLAN (SHEET 3 OF 6)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-6003-WR	



NOTES

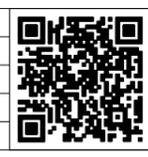
1. REFER TO NOTES ON DRAWING P24-447-01-6000-WR.

LEGEND

STAGE 2 CATCHMENT EXTENT	
STAGE 1 CATCHMENT EXTENT	
NZTA SH1 OFFRAMP PROJECT EXTENT	
PUBLIC PROPOSED 100mm NB	
PUBLIC PROPOSED 150mm NB	
PUBLIC PROPOSED 200mm NB	
PRIVATE PROPOSED 100mm NB	
PRIVATE PROPOSED 150mm NB	
PRIVATE PROPOSED 200mm NB	
EXISTING WATERMAIN	
STAGE 1 EPA APPROVED 100mm NB	
STAGE 1 EPA APPROVED 200mm NB	
SLUICE VALVE	
50mm PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
CONNECTION LOCATIONS	

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

REVISION DETAILS	INT	DATE	SURVEYED	
6 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MBB
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	AR
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	SF
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
WATER SUPPLY PLAN (SHEET 4 OF 6)



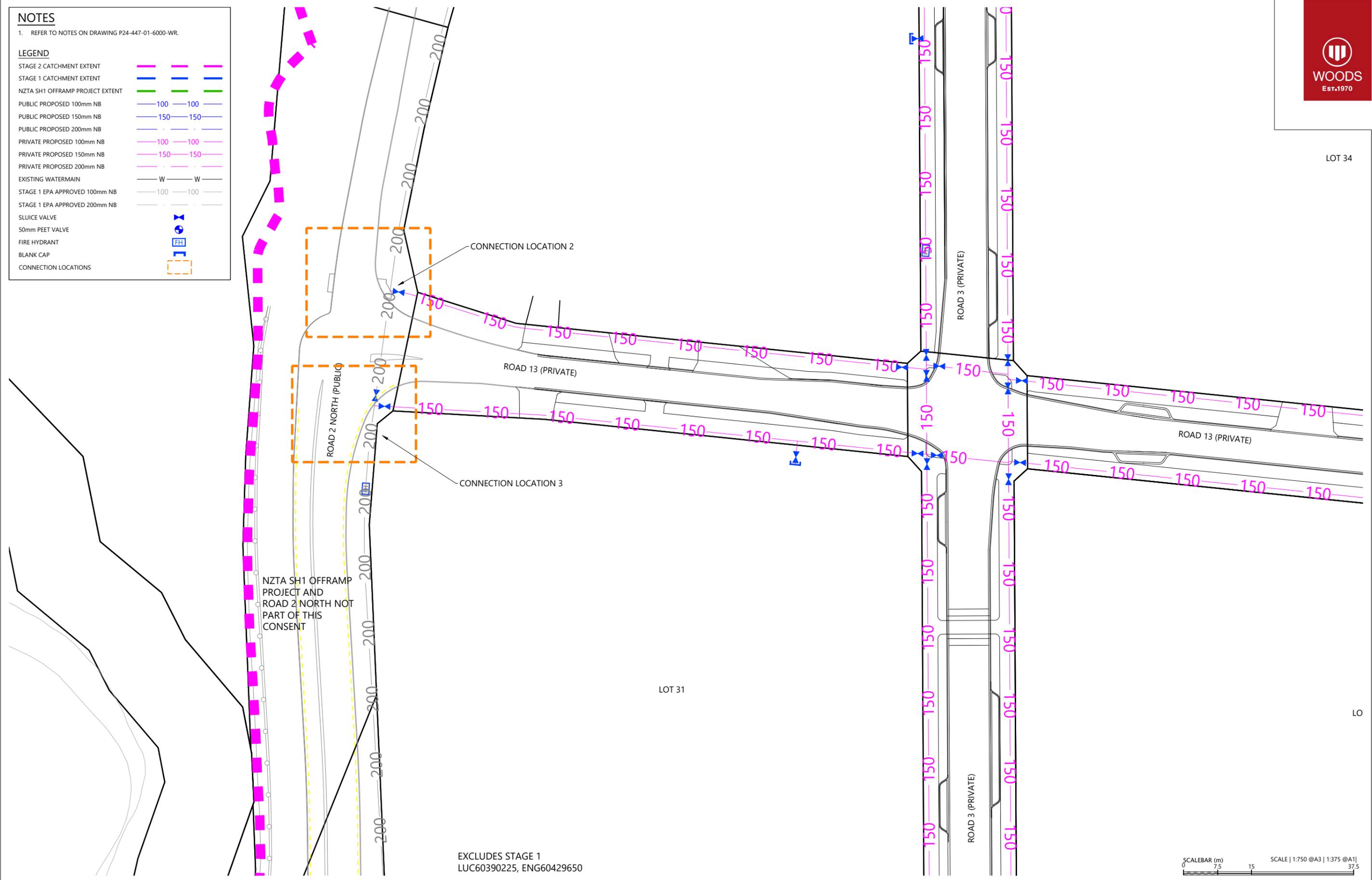
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SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-6004-WR	

NOTES

1. REFER TO NOTES ON DRAWING P24-447-01-6000-WR.

LEGEND

STAGE 2 CATCHMENT EXTENT	
STAGE 1 CATCHMENT EXTENT	
NZTA SH1 OFFRAMP PROJECT EXTENT	
PUBLIC PROPOSED 100mm NB	
PUBLIC PROPOSED 150mm NB	
PUBLIC PROPOSED 200mm NB	
PRIVATE PROPOSED 100mm NB	
PRIVATE PROPOSED 150mm NB	
PRIVATE PROPOSED 200mm NB	
EXISTING WATERMAIN	
STAGE 1 EPA APPROVED 100mm NB	
STAGE 1 EPA APPROVED 200mm NB	
SLUICE VALVE	
50mm PEET VALVE	
FIRE HYDRANT	
BLANK CAP	
CONNECTION LOCATIONS	



NZTA SH1 OFFRAMP PROJECT AND ROAD 2 NORTH NOT PART OF THIS CONSENT

EXCLUDES STAGE 1
LUC60390225, ENG60429650

SCALEBAR (m) 0 7.5 15 37.5
SCALE | 1:750 @A3 | 1:375 @A1 | 1:187.5 @A0

REVISION DETAILS	INT	DATE	SURVEYED	
6 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MBB
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	AR
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	SF
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



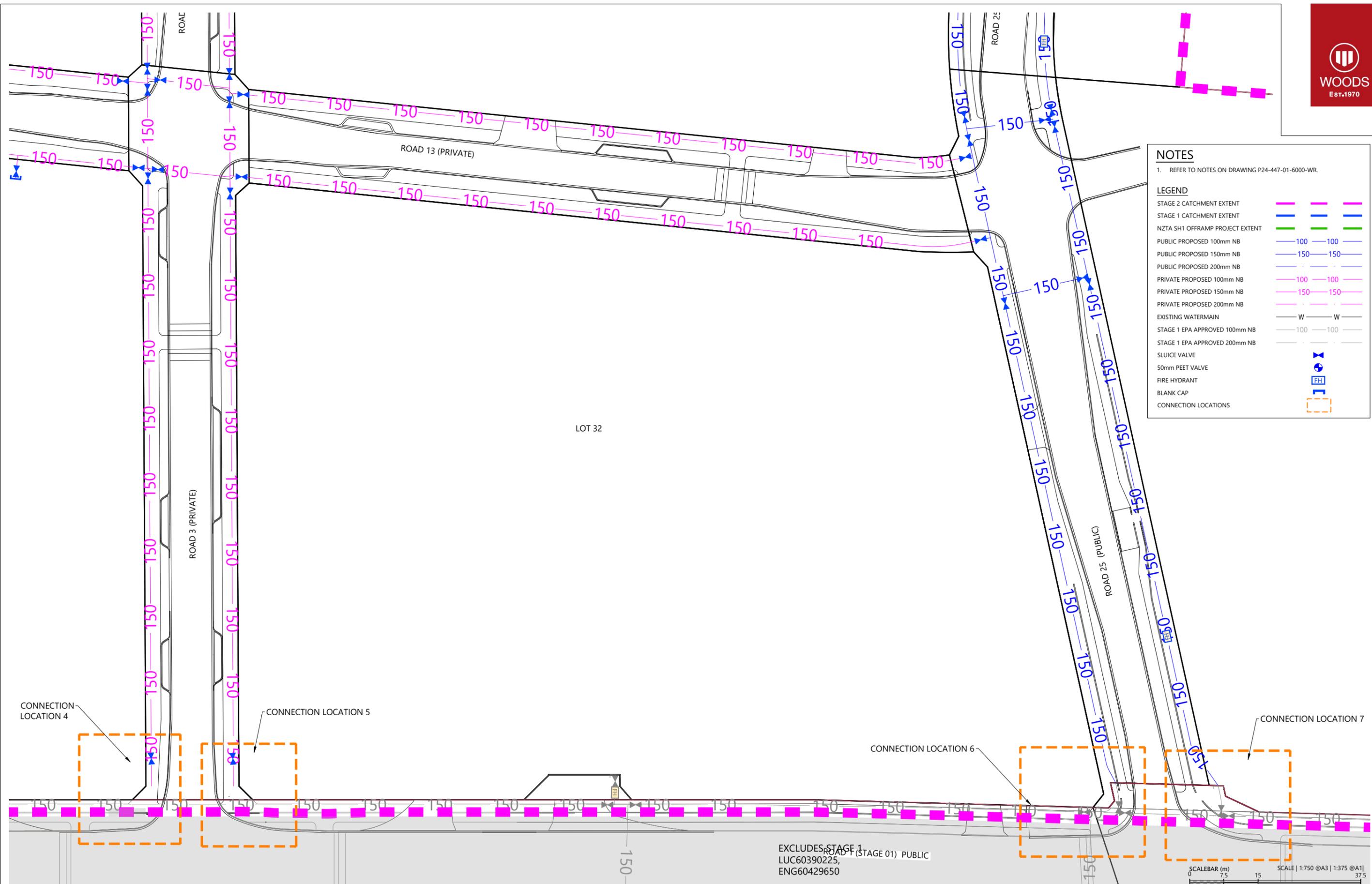
BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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DRURY CENTRE-STAGE 2
WATER SUPPLY PLAN (SHEET 5 OF 6)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-6005-WR	



NOTES

1. REFER TO NOTES ON DRAWING P24-447-01-6000-WR.

LEGEND

- STAGE 2 CATCHMENT EXTENT: [Pink dashed line]
- STAGE 1 CATCHMENT EXTENT: [Blue dashed line]
- NZTA SH1 OFFRAMP PROJECT EXTENT: [Green dashed line]
- PUBLIC PROPOSED 100mm NB: [Blue line with '100']
- PUBLIC PROPOSED 150mm NB: [Blue line with '150']
- PUBLIC PROPOSED 200mm NB: [Blue line with '200']
- PRIVATE PROPOSED 100mm NB: [Pink line with '100']
- PRIVATE PROPOSED 150mm NB: [Pink line with '150']
- PRIVATE PROPOSED 200mm NB: [Pink line with '200']
- EXISTING WATERMAIN: [Black line with 'W']
- STAGE 1 EPA APPROVED 100mm NB: [Blue line with '100']
- STAGE 1 EPA APPROVED 200mm NB: [Blue line with '200']
- SLUICE VALVE: [Symbol]
- 50mm PEET VALVE: [Symbol]
- FIRE HYDRANT: [Symbol]
- BLANK CAP: [Symbol]
- CONNECTION LOCATIONS: [Orange dashed box]

LOT 32

CONNECTION LOCATION 4

CONNECTION LOCATION 5

CONNECTION LOCATION 6

CONNECTION LOCATION 7

EXCLUDES STAGE 1
ROAD 1 (STAGE 01) PUBLIC
LUC60390225,
ENG60429650

SCALEBAR (m) 0 7.5 15
SCALE | 1:750 @A3 | 1:375 @A1 | 1:37.5 @A11

REVISION DETAILS	INT	DATE	SURVEYED	
6 FOR S67 RESPONSE	RO	17/07/25	DESIGNED	MBB
9 FOR S67 RESPONSE	EW	23/07/25	DRAWN	AR
10 FOR S67 RESPONSE	RO	15/08/25	CHECKED	SF
11 FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



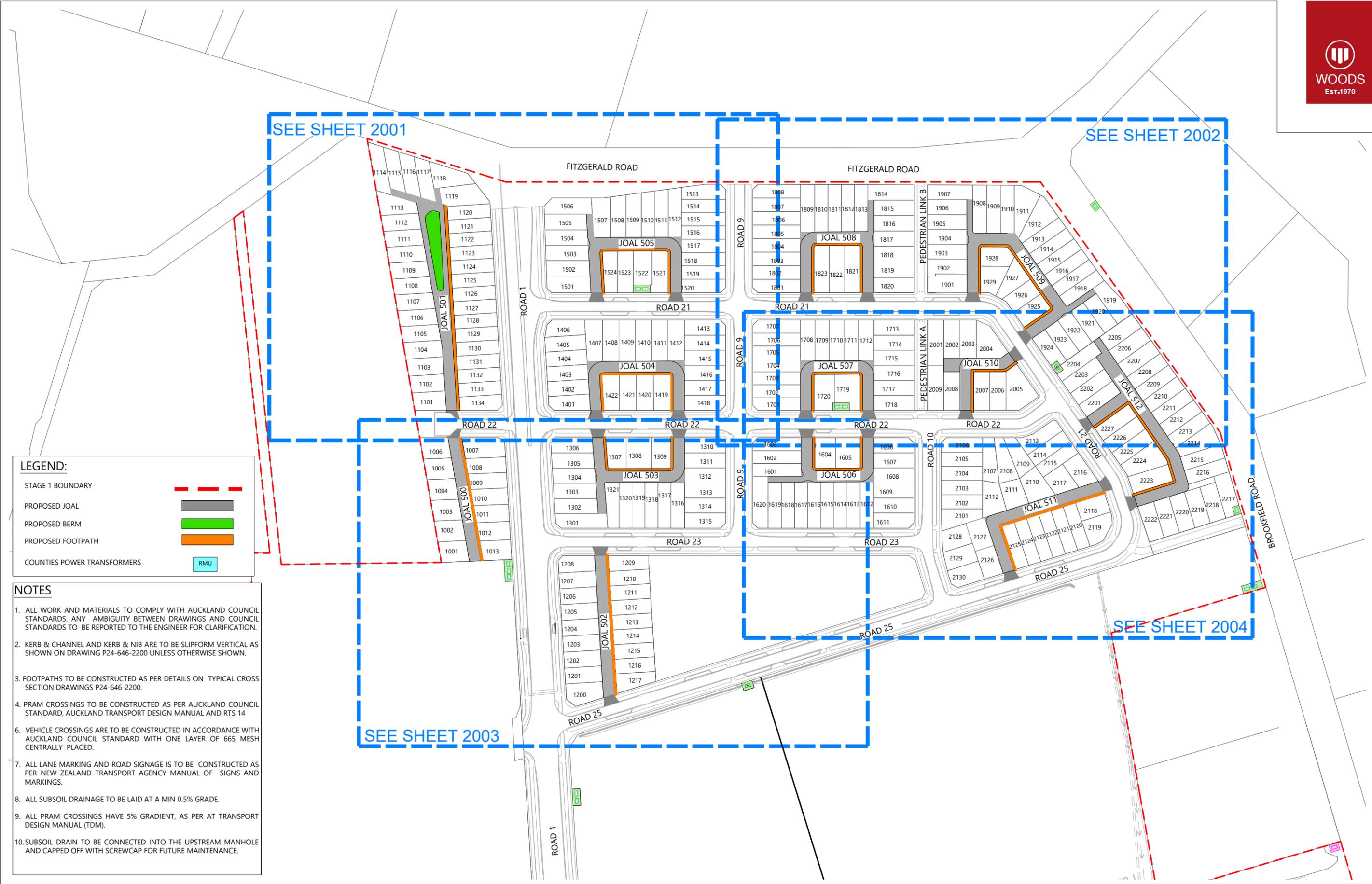
BUILDING B, LEVEL 1
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DRURY CENTRE-STAGE 2
WATER SUPPLY PLAN (SHEET 6 OF 6)



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-447-01-6006-WR	



LEGEND:

- STAGE 1 BOUNDARY
- PROPOSED JOAL
- PROPOSED BERM
- PROPOSED FOOTPATH
- COUNTIES POWER TRANSFORMERS

- NOTES**
1. ALL WORK AND MATERIALS TO COMPLY WITH AUCKLAND COUNCIL STANDARDS. ANY AMBIGUITY BETWEEN DRAWINGS AND COUNCIL STANDARDS TO BE REPORTED TO THE ENGINEER FOR CLARIFICATION.
 2. KERB & CHANNEL AND KERB & NIB ARE TO BE SLIPFORM VERTICAL AS SHOWN ON DRAWING P24-646-2200 UNLESS OTHERWISE SHOWN.
 3. FOOTPATHS TO BE CONSTRUCTED AS PER DETAILS ON TYPICAL CROSS SECTION DRAWINGS P24-646-2200.
 4. PRAM CROSSINGS TO BE CONSTRUCTED AS PER AUCKLAND COUNCIL STANDARD, AUCKLAND TRANSPORT DESIGN MANUAL AND RTS 14
 6. VEHICLE CROSSINGS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARD WITH ONE LAYER OF 665 MESH CENTRALLY PLACED.
 7. ALL LANE MARKING AND ROAD SIGNAGE IS TO BE CONSTRUCTED AS PER NEW ZEALAND TRANSPORT AGENCY MANUAL OF SIGNS AND MARKINGS.
 8. ALL SUBSOIL DRAINAGE TO BE LAID AT A MIN 0.5% GRADE.
 9. ALL PRAM CROSSINGS HAVE 5% GRADIENT, AS PER AT TRANSPORT DESIGN MANUAL (TDM).
 10. SUBSOIL DRAIN TO BE CONNECTED INTO THE UPSTREAM MANHOLE AND CAPPED OFF WITH SCREWCAP FOR FUTURE MAINTENANCE.

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR s67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR s67 RESPONSE	RO	17/08/25	APPROVED	CD



BUILDING B, LEVEL 1
8 NUGENT ST, GRAFTON,
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+64 9 308 9229
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DRURY CENTRE SUPERLOTS
OVERALL ROADING LAYOUT PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-2000	



LEGEND:

- STAGE 1 BOUNDARY
- PROPOSED JOAL
- PROPOSED BERM
- PROPOSED FOOTPATH
- COUNTIES POWER TRANSFORMERS

NOTES:

- REFER TO SHEET 2000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR s67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR s67 RESPONSE	RO	17/08/25	APPROVED	CD



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DRURY CENTRE SUPERLOTS
ROADING LAYOUT PLAN
SHEET 1 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-2001	

Plot Date: 11:46:43 am, 17 September 2025, RICARDOO
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LEGEND:

- STAGE 1 BOUNDARY
- PROPOSED JOAL
- PROPOSED BERM
- PROPOSED FOOTPATH
- COUNTIES POWER TRANSFORMERS

NOTES:

- REFER TO SHEET 2000 FOR NOTES

Plot Date: 11:46:43 am, 17 September 2025, RICARDOO
File: C:\1205\DATA\WIP\AKI-APP-02\P24-646- DRURY CENTRE - STAGE 2 FAST TRACK_2223\02 DRAWINGS\01 ENG\P24-646-01-2000-RD_JOAL.DWG

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR s67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR s67 RESPONSE	RO	17/08/25	APPROVED	CD



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8 NUGENT ST, GRAFTON,
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DRURY CENTRE SUPERLOTS
ROADING LAYOUT PLAN
SHEET 2 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-2002	



LEGEND:

- STAGE 1 BOUNDARY
- PROPOSED JOAL
- PROPOSED BERM
- PROPOSED FOOTPATH
- COUNTIES POWER TRANSFORMERS

NOTES:

- REFER TO SHEET 2000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR s67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR s67 RESPONSE	RO	17/08/25	APPROVED	CD



BUILDING B, LEVEL 1
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DRURY CENTRE SUPERLOTS
ROADING LAYOUT PLAN
SHEET 3 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-2003	



Plot Date: 11:46:44 am, 17 September 2025, RICARDOO
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LEGEND:

- STAGE 1 BOUNDARY ---
- PROPOSED JOAL █
- PROPOSED BERM █
- PROPOSED FOOTPATH █
- COUNTIES POWER TRANSFORMERS RMU

NOTES:

- REFER TO SHEET 2000 FOR NOTES

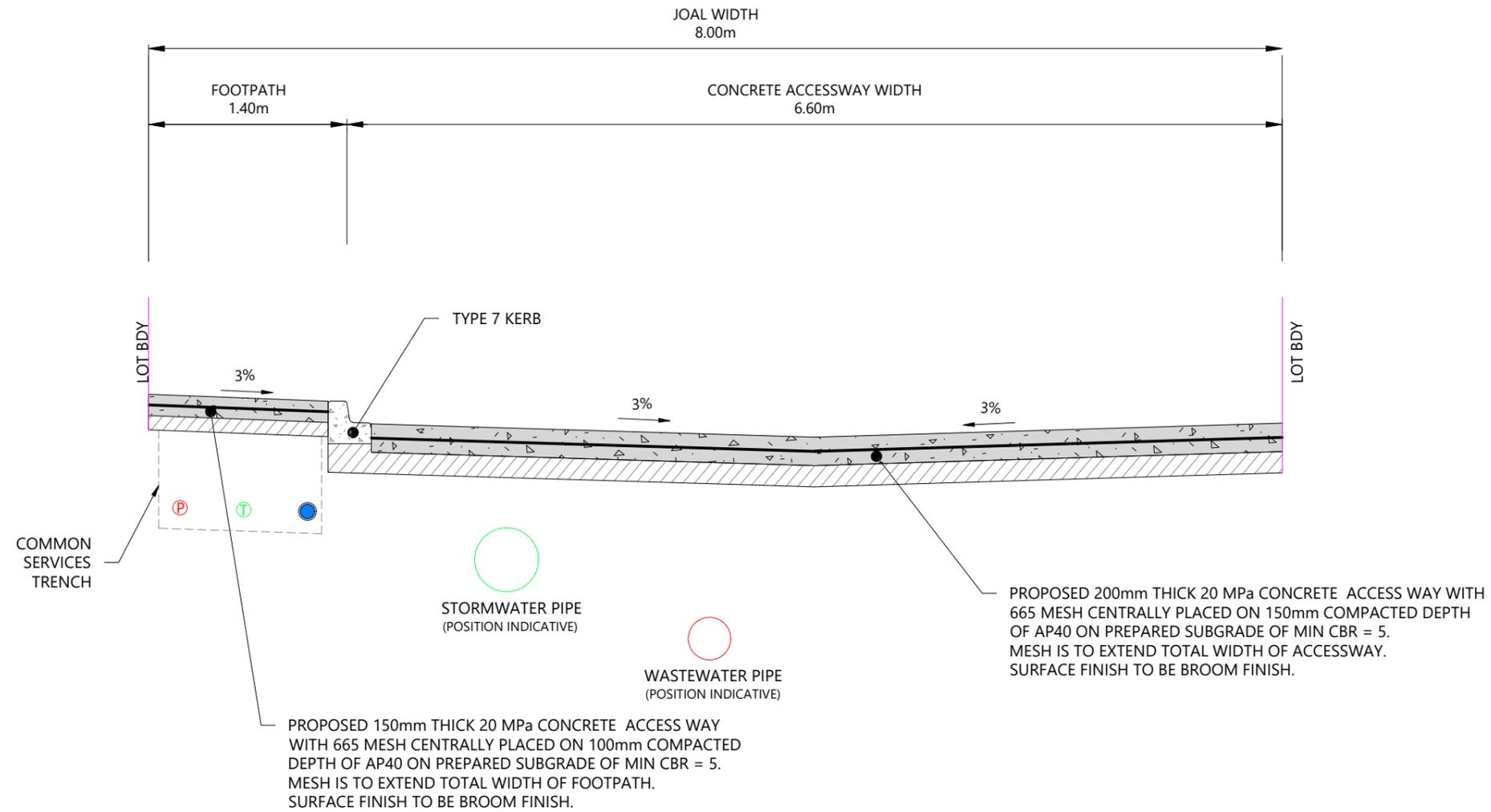
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10 ISSUED FOR s67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR s67 RESPONSE	RO	17/08/25	APPROVED	CD

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DRURY CENTRE SUPERLOTS
 ROADING LAYOUT PLAN
 SHEET 4 OF 4

	STATUS	FOR S67 RESPONSE	REV
	SCALE	1:750 @ A3	11
	COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-2004		



**CROSS SECTION FOR JOALS:
500,502,503,504,505,506,507,508,510 AND 511**



REVISION DETAILS	INT	DATE	SURVEYED	BJ
1 FOR RESOURCE CONSENT	AR	14/02/25	DESIGNED	AR
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

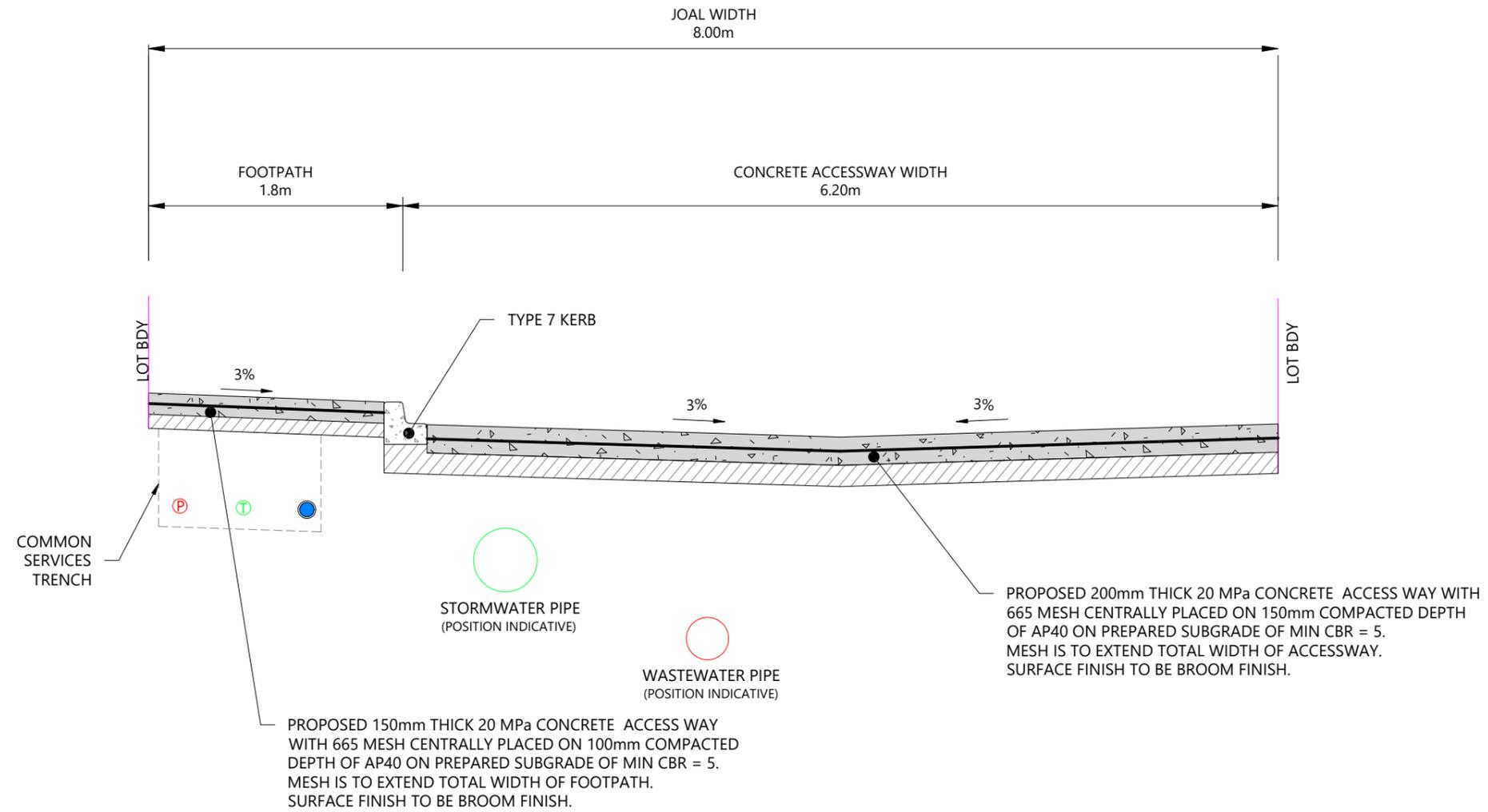


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DRURY CENTRE SUPERLOTS
TYPICAL JOAL CROSS SECTION SHEET 1 OF 3

STATUS	FOR S67 RESPONSE	REV
SCALE	1:40 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-2200	



**CROSS SECTION FOR JOALS:
501, 512 AND 509**



REVISION DETAILS	INT	DATE	SURVEYED	BJ
1 FOR RESOURCE CONSENT	AR	14/02/25	DESIGNED	AR
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



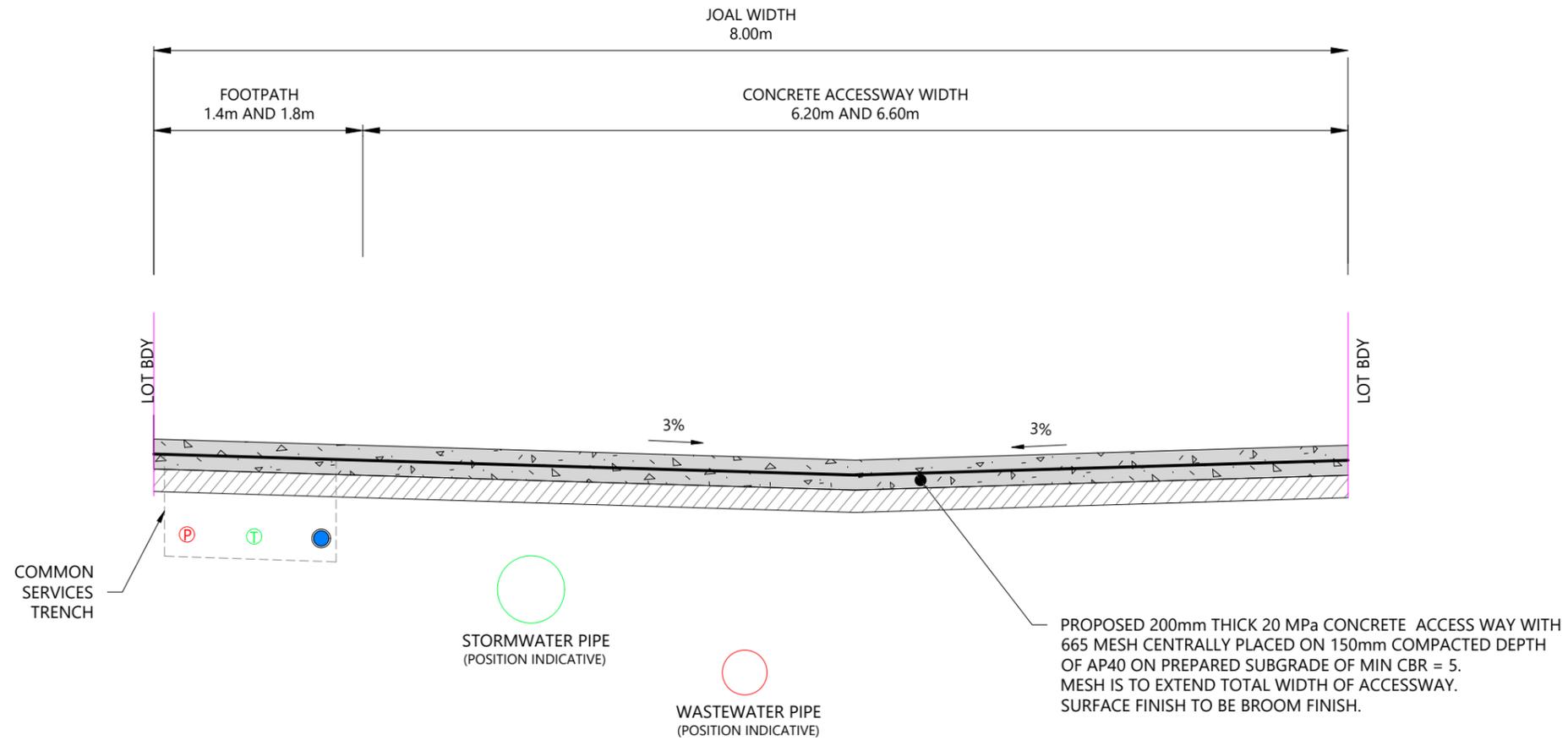
BUILDING B, LEVEL 1
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DRURY CENTRE SUPERLOTS
TYPICAL JOAL CROSS SECTION SHEET 2 OF 3

STATUS	FOR S67 RESPONSE	REV
SCALE	1:40 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-2201	



CROSS SECTION FOR JOALS WITH VEHICLE ACCESS



REVISION DETAILS	INT	DATE	SURVEYED	BJ
1 FOR RESOURCE CONSENT	AR	14/02/25	DESIGNED	AR
9 ISSUED FOR S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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DRURY CENTRE SUPERLOTS
TYPICAL JOAL CROSS SECTION SHEET 3 OF 3

STATUS	FOR S67 RESPONSE	REV
SCALE	1:40 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-2202	



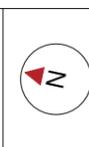
REVISION DETAILS	INT	DATE	SURVEYED	BJ
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9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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DRURY CENTRE SUPERLOTS
STORMWATER LAYOUT PLAN
SHEET 1 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-3001	



LEGEND:

- STAGE 1 BOUNDARY:
- PROPOSED STORMWATER LINE AND PIT:
- APPROVED STORMWATER LINE AND PIT ENG604296650:
- PROPOSED CATCHPIT:

NOTES:

- REFER TO SHEET 3000 FOR NOTES

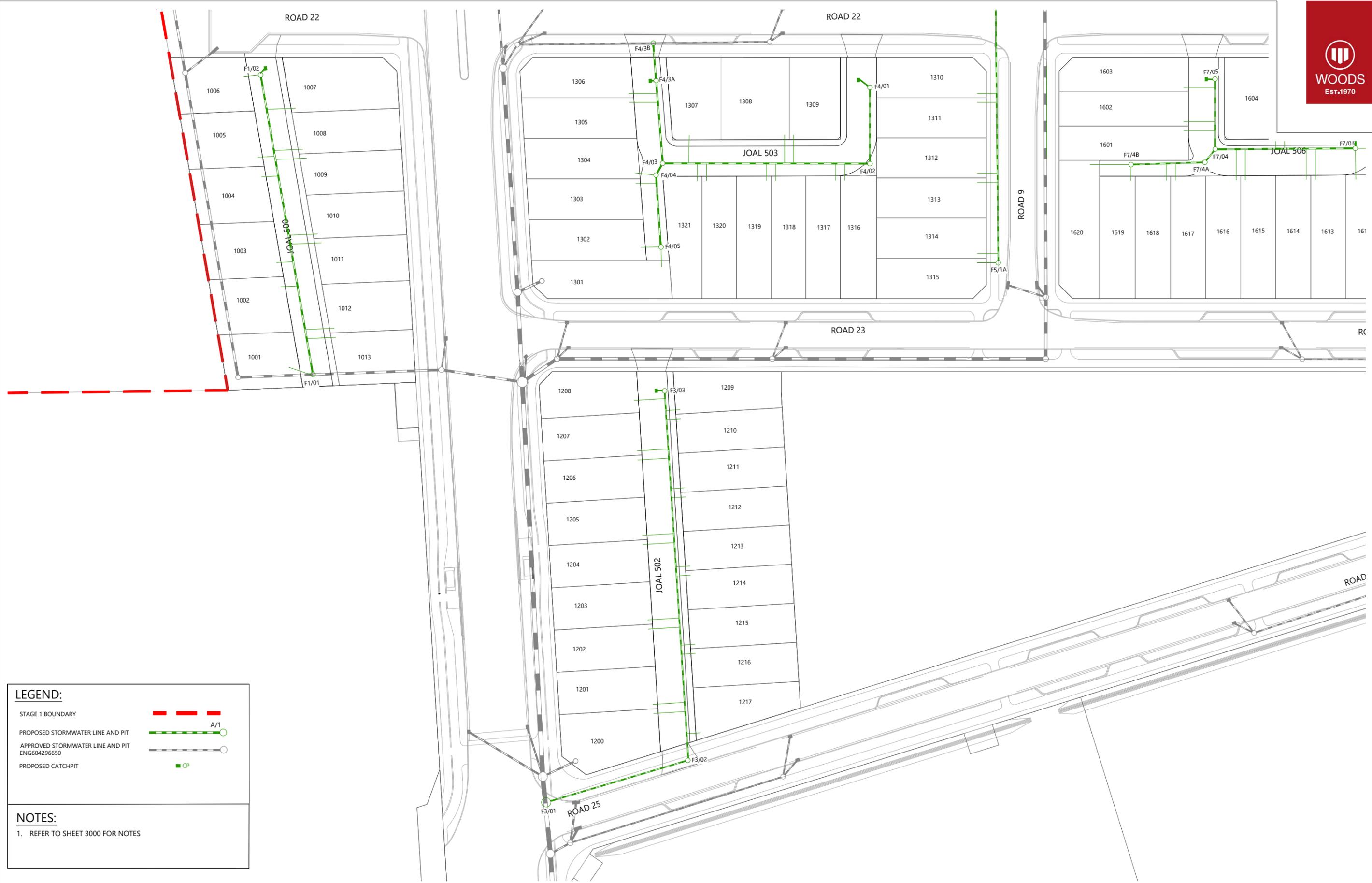
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9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	AR
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11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

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DRURY CENTRE SUPERLOTS
 STORMWATER LAYOUT PLAN
 SHEET 2 OF 4

	STATUS	FOR S67 RESPONSE	REV
	SCALE	1:750 @ A3	11
	COUNCIL	AUCKLAND COUNCIL	
	DWG NO	P24-646-01-3002	



LEGEND:

STAGE 1 BOUNDARY

PROPOSED STORMWATER LINE AND PIT

APPROVED STORMWATER LINE AND PIT

PROPOSED CATCHPIT

A/1

CP

NOTES:

1. REFER TO SHEET 3000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	AR
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11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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DRURY CENTRE SUPERLOTS
STORMWATER LAYOUT PLAN
SHEET 3 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-3003	



LEGEND:

- STAGE 1 BOUNDARY:
- PROPOSED STORMWATER LINE AND PIT:
- APPROVED STORMWATER LINE AND PIT:
- PROPOSED CATCHPIT:
- A/1:
- CP:

NOTES:

- REFER TO SHEET 3000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 FOR S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

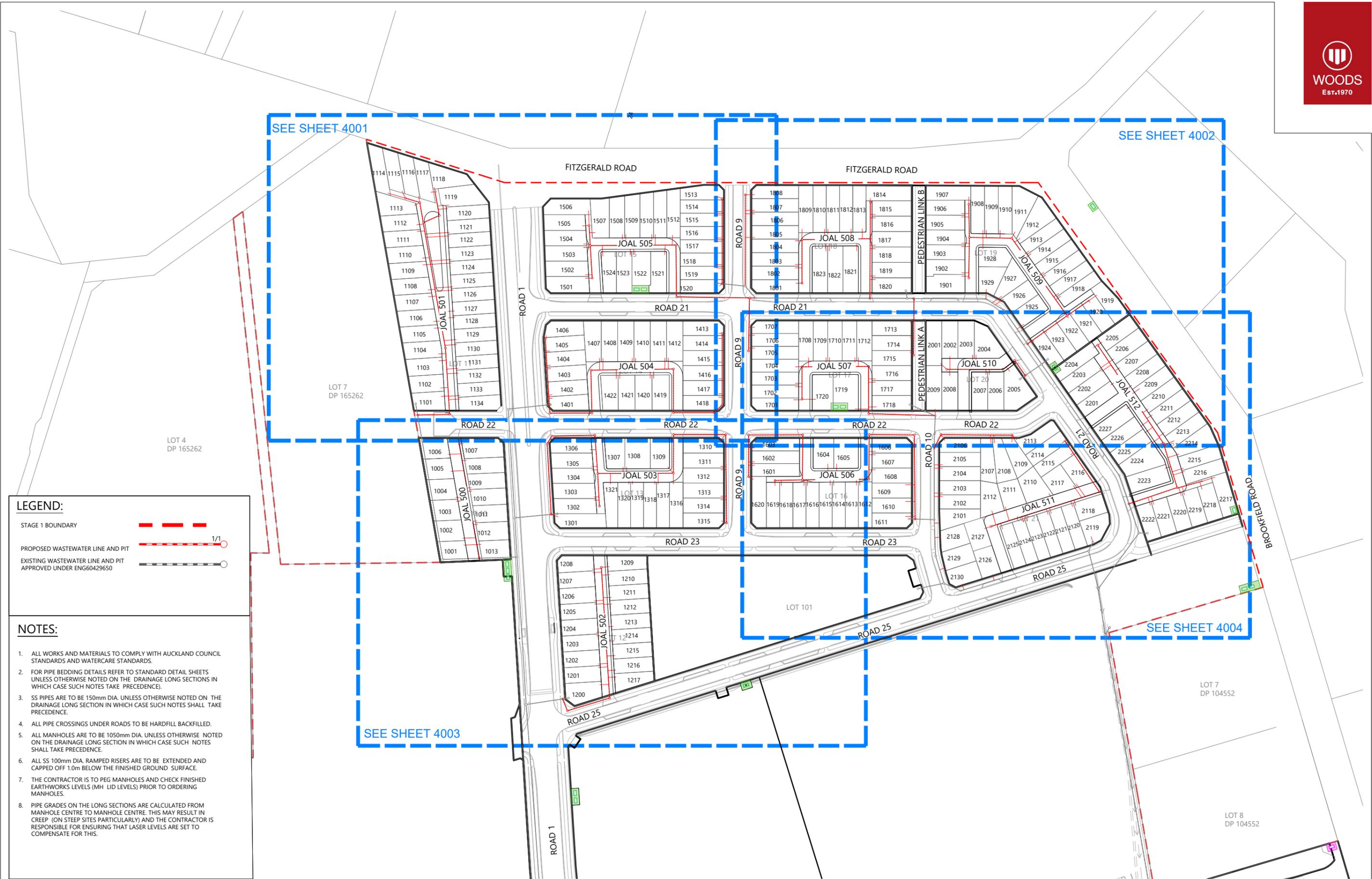
BUILDING B, LEVEL 1
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DRURY CENTRE SUPERLOTS
 STORMWATER LAYOUT PLAN
 SHEET 4 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-3004	



LEGEND:

STAGE 1 BOUNDARY

PROPOSED WASTEWATER LINE AND PIT

EXISTING WASTEWATER LINE AND PIT

APPROVED UNDER ENG60429650

1/1

- 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. ALL SS 100mm DIA. RAMPED RISERS ARE TO BE EXTENDED AND CAPPED OFF 1.0m BELOW THE FINISHED GROUND SURFACE.
 7. THE CONTRACTOR IS TO PEG MANHOLES AND CHECK FINISHED EARTHWORKS LEVELS (MH LID LEVELS) PRIOR TO ORDERING MANHOLES.
 8. 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.

REVISION DETAILS	INT	DATE	SURVEYED	BJ
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10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR S67 RESPONSE	RO	17/08/25	APPROVED	CD

QR CODE

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8 NUGENT ST, GRAFTON,
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DRURY CENTRE SUPERLOTS
OVERALL WASTEWATER LAYOUT PLAN

STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-4000	



LEGEND:

STAGE 1 BOUNDARY

PROPOSED WASTEWATER LINE AND PIT

EXISTING WASTEWATER LINE AND PIT APPROVED UNDER ENG60429650

NOTES:

1. REFER TO SHEET 4000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR S67 RESPONSE	RO	17/08/25	APPROVED	CD



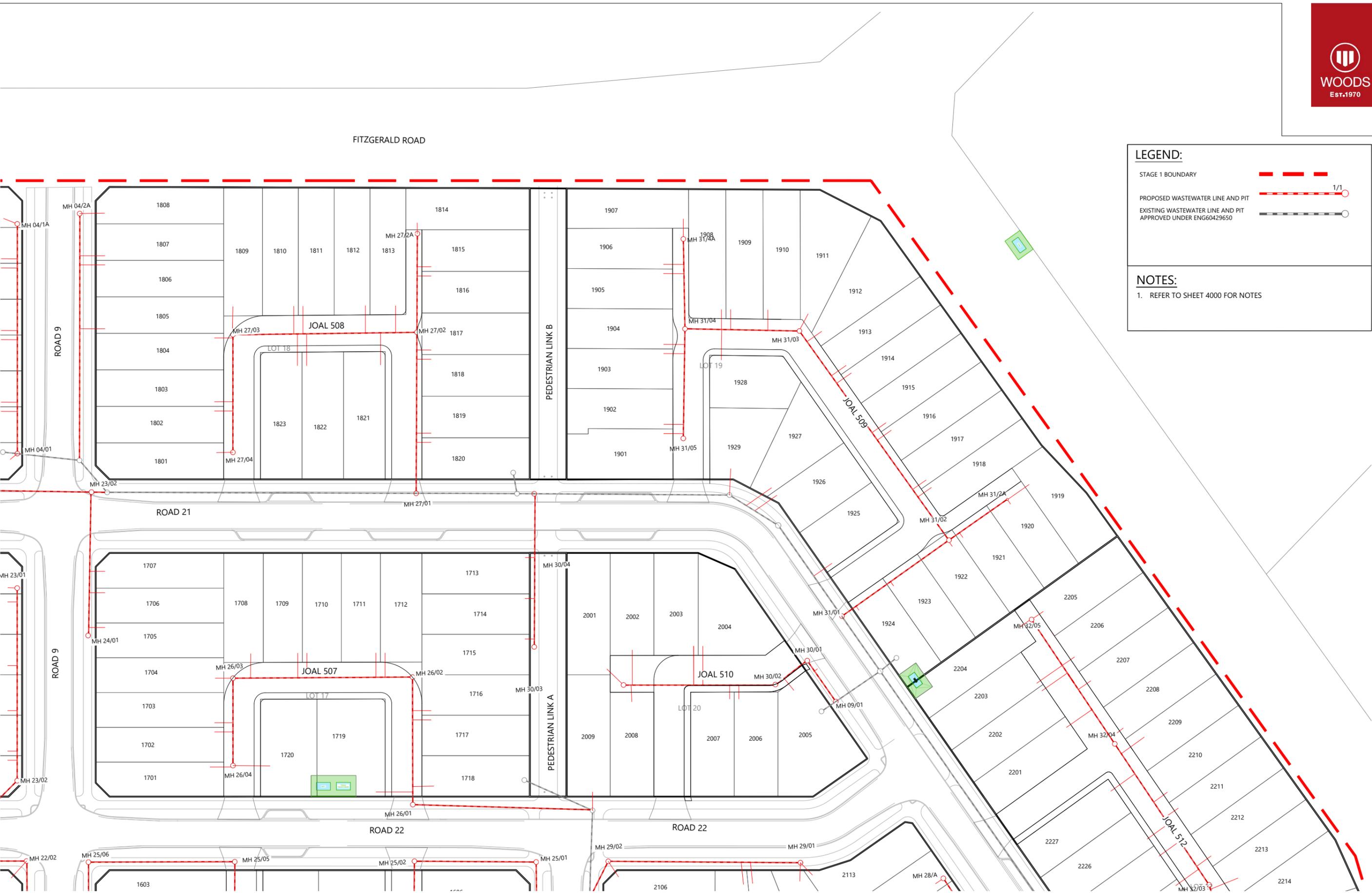
BUILDING B, LEVEL 1
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DRURY CENTRE SUPERLOTS
WASTEWATER LAYOUT PLAN
SHEET 1 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-4001	



LEGEND:

STAGE 1 BOUNDARY

PROPOSED WASTEWATER LINE AND PIT

EXISTING WASTEWATER LINE AND PIT APPROVED UNDER ENG60429650

1/1

NOTES:

1. REFER TO SHEET 4000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
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DRURY CENTRE SUPERLOTS
WASTEWATER LAYOUT PLAN
SHEET 2 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-4002	



LEGEND:

STAGE 1 BOUNDARY

PROPOSED WASTEWATER LINE AND PIT 1/1

EXISTING WASTEWATER LINE AND PIT APPROVED UNDER ENG60429650

NOTES:

1. REFER TO SHEET 4000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 S67 RESPONSE	SM	23/07/25	DRAWN	AR
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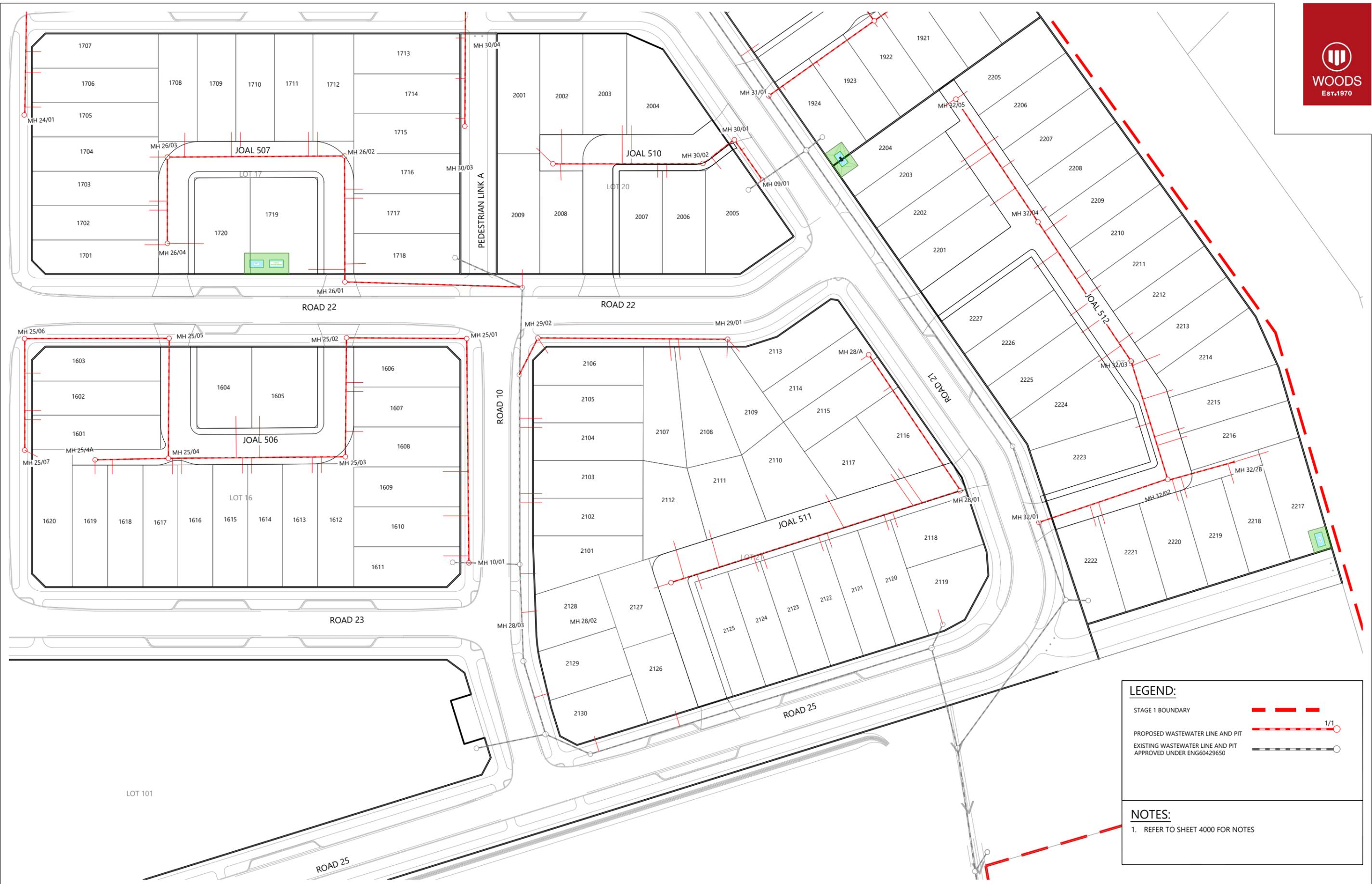
BUILDING B, LEVEL 1
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DRURY CENTRE SUPERLOTS
WASTEWATER LAYOUT PLAN
SHEET 3 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-4003	



LEGEND:

STAGE 1 BOUNDARY

PROPOSED WASTEWATER LINE AND PIT

EXISTING WASTEWATER LINE AND PIT APPROVED UNDER ENG60429650

NOTES:

1. REFER TO SHEET 4000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
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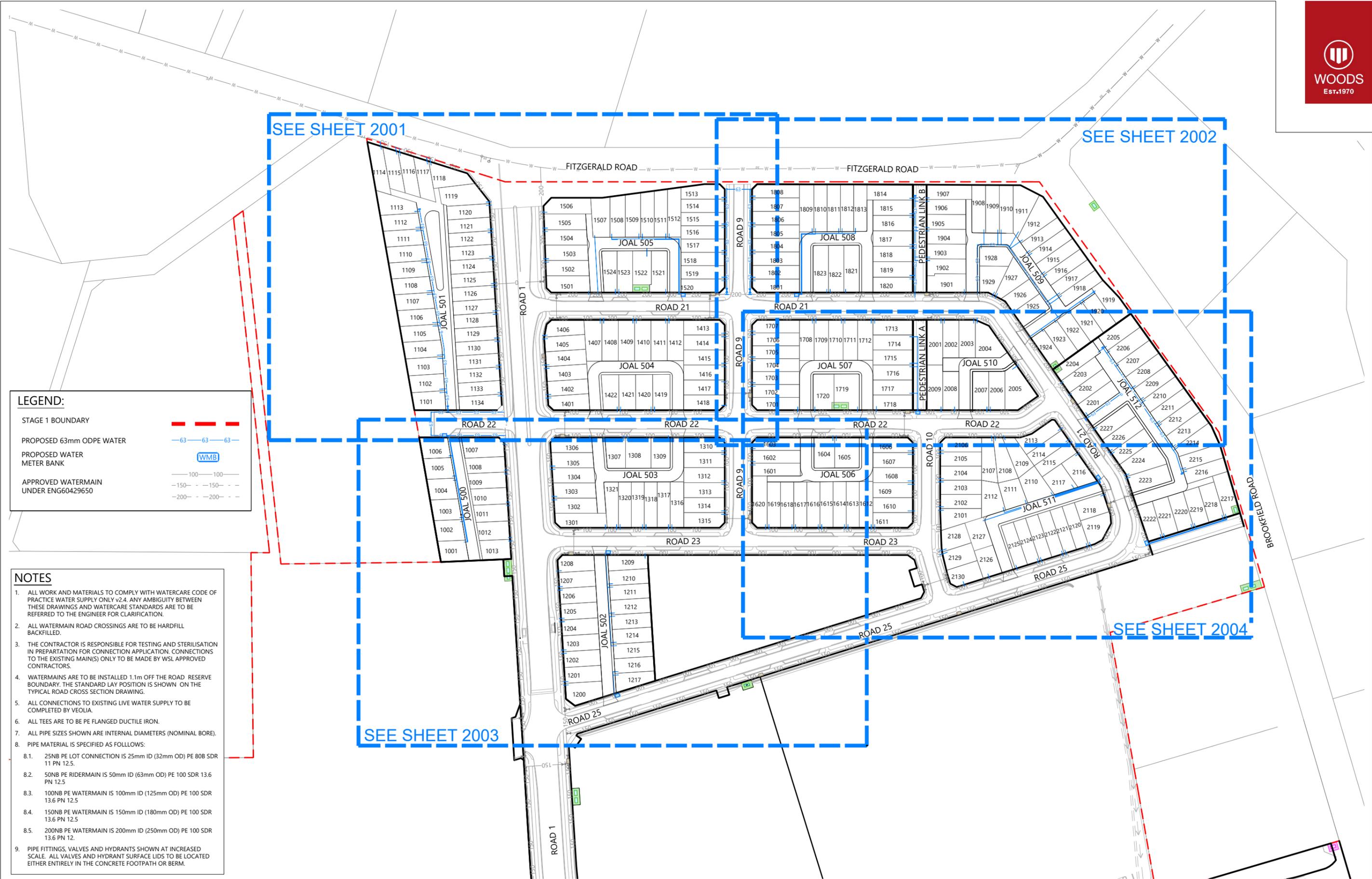
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DRURY CENTRE SUPERLOTS
WASTEWATER LAYOUT PLAN
SHEET 4 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-4004	



LEGEND:

STAGE 1 BOUNDARY

PROPOSED 63mm OD PE WATER

PROPOSED WATER METER BANK

APPROVED WATERMAIN UNDER ENG60429650

- NOTES**
- ALL WORK AND MATERIALS TO COMPLY WITH WATERCARE CODE OF PRACTICE WATER SUPPLY ONLY v2.4. ANY AMBIGUITY BETWEEN THESE DRAWINGS AND WATERCARE STANDARDS ARE TO BE REFERRED TO THE ENGINEER FOR CLARIFICATION.
 - ALL WATERMAIN ROAD CROSSINGS ARE TO BE HARDFILL BACKFILLED.
 - THE CONTRACTOR IS RESPONSIBLE FOR TESTING AND STERILISATION IN PREPARATION FOR CONNECTION APPLICATION. CONNECTIONS TO THE EXISTING MAIN(S) ONLY TO BE MADE BY WSL APPROVED CONTRACTORS.
 - WATERMAINS ARE TO BE INSTALLED 1.1m OFF THE ROAD RESERVE BOUNDARY. THE STANDARD LAY POSITION IS SHOWN ON THE TYPICAL ROAD CROSS SECTION DRAWING.
 - ALL CONNECTIONS TO EXISTING LIVE WATER SUPPLY TO BE COMPLETED BY VEOLIA.
 - ALL TEES ARE TO BE PE FLANGED DUCTILE IRON.
 - ALL PIPE SIZES SHOWN ARE INTERNAL DIAMETERS (NOMINAL BORE).
 - PIPE MATERIAL IS SPECIFIED AS FOLLOWS:
 - 25NB PE LOT CONNECTION IS 25mm ID (32mm OD) PE 80B SDR 11 PN 12.5
 - 50NB PE RIDERMAIN IS 50mm ID (63mm OD) PE 100 SDR 13.6 PN 12.5
 - 100NB PE WATERMAIN IS 100mm ID (125mm OD) PE 100 SDR 13.6 PN 12.5
 - 150NB PE WATERMAIN IS 150mm ID (180mm OD) PE 100 SDR 13.6 PN 12.5
 - 200NB PE WATERMAIN IS 200mm ID (250mm OD) PE 100 SDR 13.6 PN 12.
 - PIPE FITTINGS, VALVES AND HYDRANTS SHOWN AT INCREASED SCALE. ALL VALVES AND HYDRANT SURFACE LIDS TO BE LOCATED EITHER ENTIRELY IN THE CONCRETE FOOTPATH OR BERM.

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
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11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



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DRURY CENTRE SUPERLOTS
WATER RETICULATION LAYOUT PLAN



STATUS	FOR S67 RESPONSE	REV
SCALE	1:1000 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-6000	



LEGEND:

STAGE 1 BOUNDARY

PROPOSED 63mm ODPE WATER

PROPOSED WATER METER BANK

APPROVED WATERMAIN UNDER ENG60429650

NOTES:

1. REFER TO SHEET 6000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 S67 RESPONSE	SM	23/07/25	DRAWN	AR
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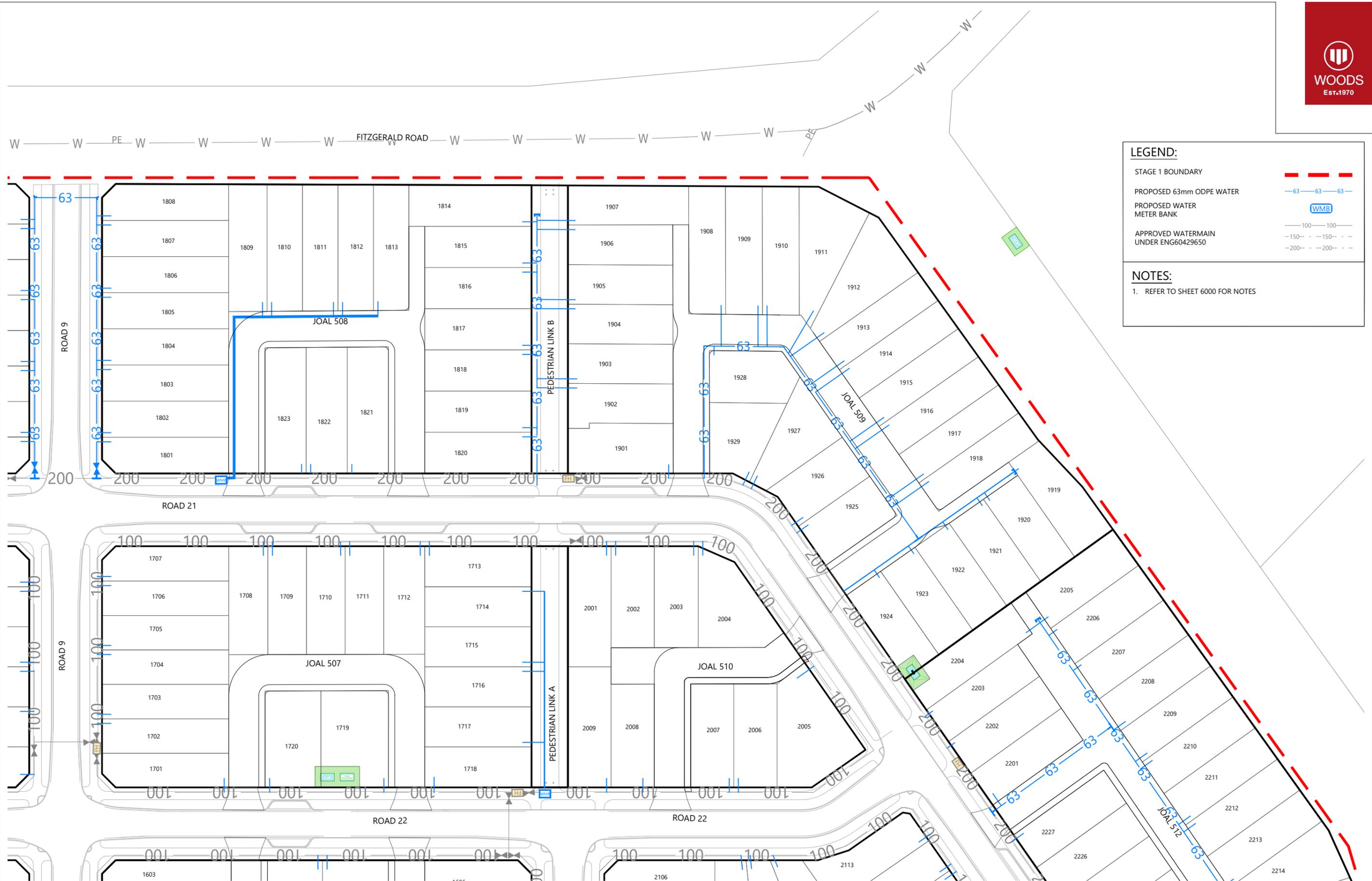
BUILDING B, LEVEL 1
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DRURY CENTRE SUPERLOTS
WATER RETICULATION LAYOUT PLAN
SHEET 1 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-6001	



LEGEND:

STAGE 1 BOUNDARY - - - - -

PROPOSED 63mm ODPE WATER - 63 - 63 - 63 -

PROPOSED WATER METER BANK WMB

APPROVED WATERMAIN UNDER ENG60429650

- 100 - 100 -
 - 150 - 150 -
 - 200 - 200 -

NOTES:

1. REFER TO SHEET 6000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 S67 RESPONSE	SM	23/07/25	DRAWN	AR
10 ISSUED FOR S67 RESPONSE	RO	15/08/25	CHECKED	TH
11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD

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



DRURY CENTRE SUPERLOTS
 WATER RETICULATION LAYOUT PLAN
 SHEET 2 OF 4

STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-6002	



LEGEND:

STAGE 1 BOUNDARY

PROPOSED 63mm ODPE WATER

PROPOSED WATER METER BANK

APPROVED WATERMAIN UNDER ENG60429650

NOTES:

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REVISION DETAILS	INT	DATE	SURVEYED	BJ
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11 ISSUED FOR S67 RESPONSE	RO	17/09/25	APPROVED	CD



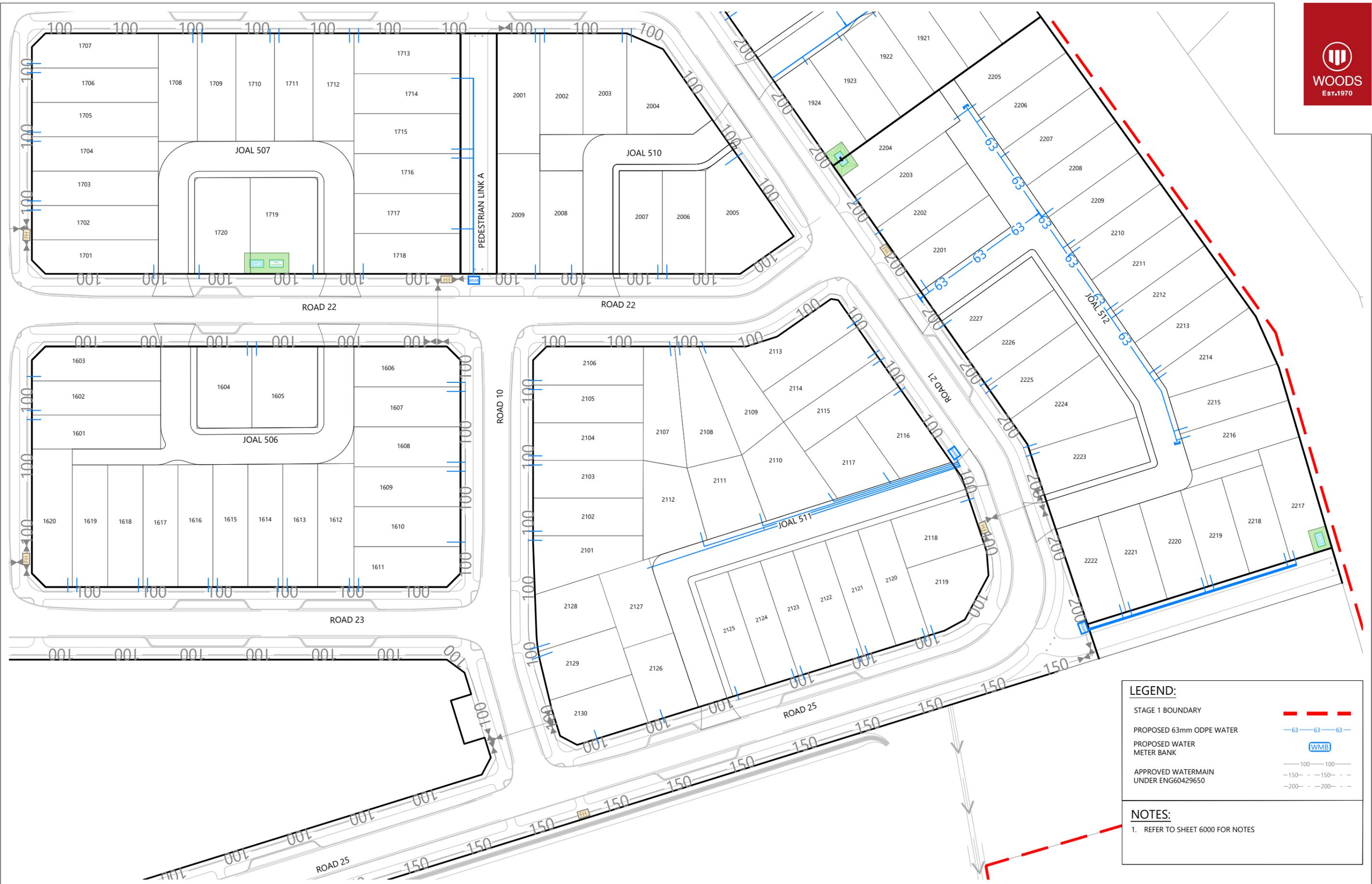
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DRURY CENTRE SUPERLOTS
WATER RETICULATION LAYOUT PLAN
SHEET 3 OF 4



STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-6003	



LEGEND:

- STAGE 1 BOUNDARY:
- PROPOSED 63mm ODPE WATER:
- PROPOSED WATER METER BANK:
- APPROVED WATERMAIN UNDER ENG60429650:

NOTES:

- REFER TO SHEET 6000 FOR NOTES

REVISION DETAILS	INT	DATE	SURVEYED	BJ
2 S67 RESPONSE	RO	14/07/25	DESIGNED	AR
9 S67 RESPONSE	SM	23/07/25	DRAWN	AR
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QR CODE

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DRURY CENTRE SUPERLOTS
WATER RETICULATION LAYOUT PLAN
SHEET 4 OF 4

STATUS	FOR S67 RESPONSE	REV
SCALE	1:750 @ A3	11
COUNCIL	AUCKLAND COUNCIL	
DWG NO	P24-646-01-6004	