WATERFALL PARK DEVELOPMENTS LTD

AYRBURN SCREEN HUB,
CONSENT DRAWINGS

PLAN INDEX

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

INDEX PLAN

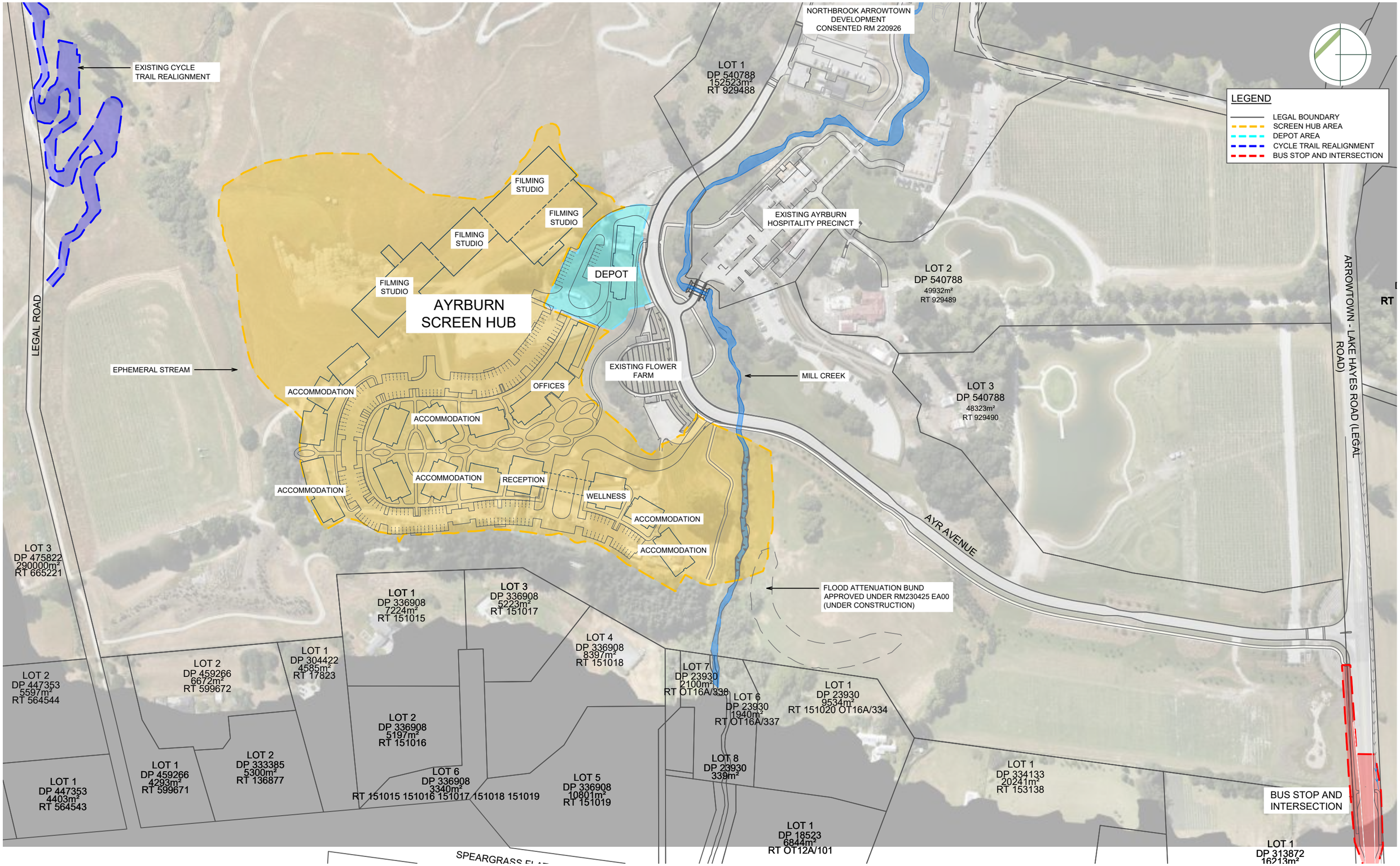
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	09.12.2024
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**001**
REVISION	**B**
SCALE (A3)	



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

LOCATION PLAN

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

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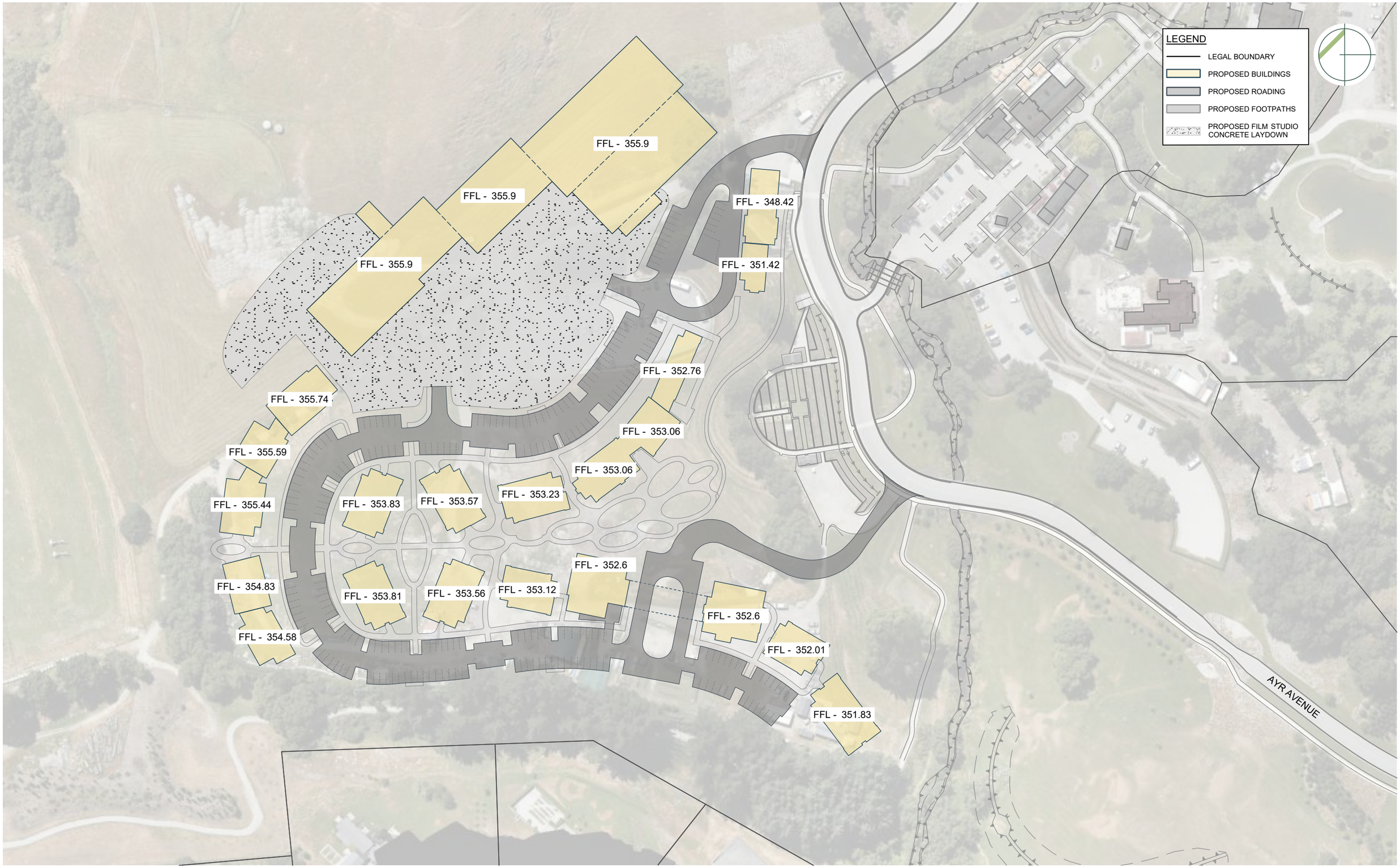
REVIEWED	SP	18.07.2025
APPROVED	-	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**100**
REVISION	**B**
SCALE (A3)	**1:2500**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

BUILDING FLOOR LEVEL PLAN

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
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STATUS **FOR CONSENT**

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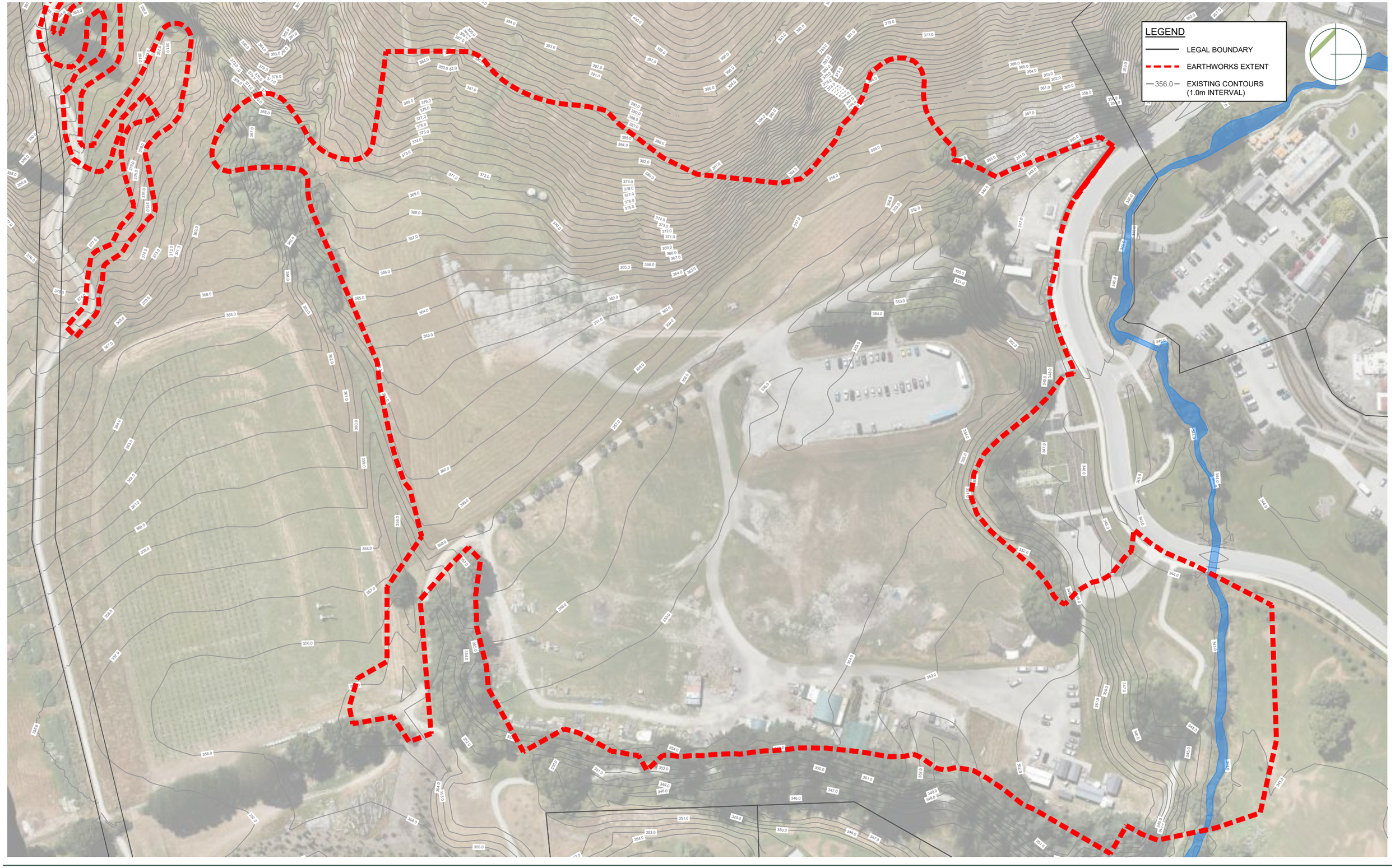
PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**150**
REVISION	**B**
SCALE (A3)	**1:1500**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

EXISTING CONTOURS PLAN

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000 MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
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PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**200**
REVISION	**B**
SCALE (A3)	**1:1500**

EARTHWORKS IN EPHEMERAL STREAM TO FORM IN-LINE SEDIMENT TRAP. DIMENSIONS AND EARTHWORKS VOLUME TO BE DETERMINED AT DETAILED DESIGN

EXTENSION OF EXISTING SPUR

FINAL CUT BATTER GRADE BEHIND STUDIO IS SUBJECT TO DETAILED DESIGN

EARTHWORKS TO REALIGN CYCLE TRAIL TO REDUCE GRADE. FINAL EXTENTS WILL BE SUBJECT TO DETAILED DESIGN.

EARTHWORKS TO FORM DRY BASIN TO CAPTURE SEDIMENT FROM OVERLAND FLOW. DIMENSIONS AND EARTHWORKS VOLUME TO BE DETERMINED AT DETAILED DESIGN

CREEK REALIGNMENT WORKS TO FORM AN IN-LINE SETTLEMENT POND

NOTES

1. ALL SEDIMENT AND EROSION CONTROLS TO BE ESTABLISHED PRIOR TO COMMENCING WITH EARTHWORKS
2. NO EARTHWORKS TO EXTEND BEYOND THE APPLICATION BOUNDARIES
3. ALL RETAINING WALLS ARE SUBJECT TO DETAILED DESIGN, RETAINED HEIGHTS MAY BE SUBJECT TO CHANGE AS A RESULT
4. ALL BATTERS GREATER THAN 1:3 TO BE APPROVED BY A GEO-TECHNICAL ENGINEER
5. SPUR EXTENSION EARTHWORKS MAY VARY SLIGHTLY TO ACHIEVE EARTHWORKS BALANCE. HEIGHT OF MOUND TO BE MAINTAINED IN ACCORDANCE WITH LANDSCAPE ASSESSMENT

EARTHWORKS QUANTITIES

VOLUMES:

	CUT	
1.	TOPSOIL STRIP	21,400m³
2.	CUT TO SUBGRADE	58,600m³
	TOTAL CUT	**80,000m³**
	FILL	
1.	IMPORTED FILL FOR SUBGRADE IMPROVEMENT	2,900m³
2.	IMPORTED FILL FOR SUB-BASE & BASECOURSE	3,500m³
3.	IMPORTED MATERIAL FOR FOOTPATHS	900m³
4.	IMPORTED BEDDING FOR BUILDING PLATFORMS	5,100m³
5.	BALANCE FILL TO DESIGN SUBGRADE	9,400m³
6.	BALANCE FILL TO DESIGN SPUR EXTENSION	48,000m³
6.	RESPREAD TOPSOIL	9,500m³
	TOTAL FILL	**74,400m³**
	BALANCE	
1.	SPUR LEVELS ADJUSTED TO ACHIEVE BALANCE	0m³
	TOTAL AREA EXPOSED	**91,000m²**
	CUT / FILL DEPTHS	
1.	MAXIMUM CUT	-9.5m
2.	MAXIMUM FILL	+12m

LEGEND

LEGAL BOUNDARY

EARTHWORKS EXTENT

CUT
- 10.0m +
- 8.0m to 10.0m
- 6.0m to 8.0m
- 4.0m to 6.0m
- 2.0m to 4.0m
- 1.0m to 2.0m
- 0.5m to 1.0m
- 0.0m to 0.5m

FILL
- 0.0m to 0.5m
- 0.5m to 1.0m
- 1.0m to 2.0m
- 2.0m to 4.0m
- 4.0m to 6.0m
- 6.0m to 8.0m
- 8.0m to 10.0m
- 10.0m +

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

DEPTH CONTOUR PLAN

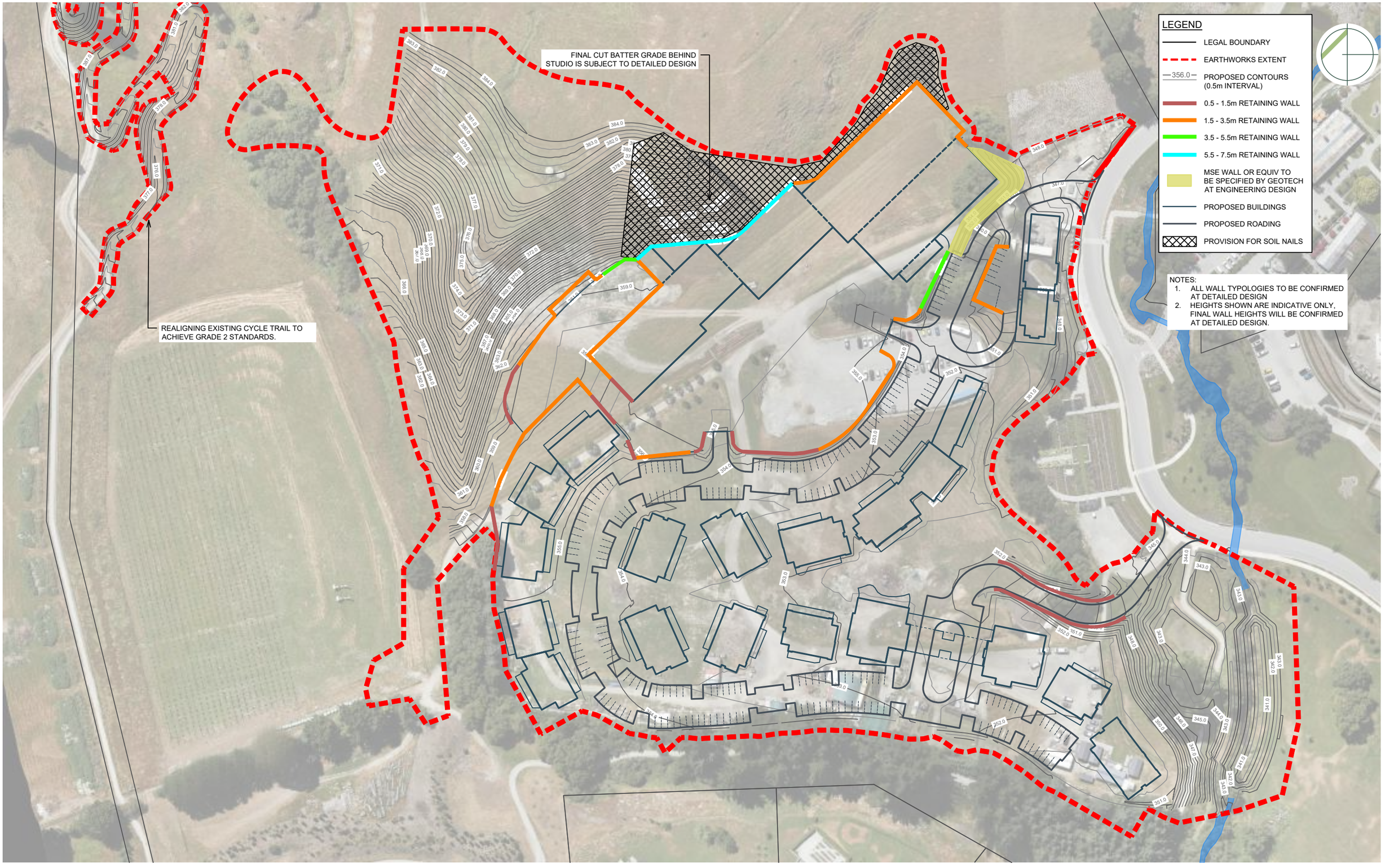
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**210**
REVISION	**B**
SCALE (A3)	**1:1500**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

PROPOSED CONTOUR OVERLAY PLAN

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.204
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**220**
REVISION	**B**
SCALE (A3)	**1:1500**

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

ROAD LAYOUT - OVERVIEW

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
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APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**300**
REVISION	**B**
SCALE (A3)	**1:1500**

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

ROAD LAYOUT

ROAD 1

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
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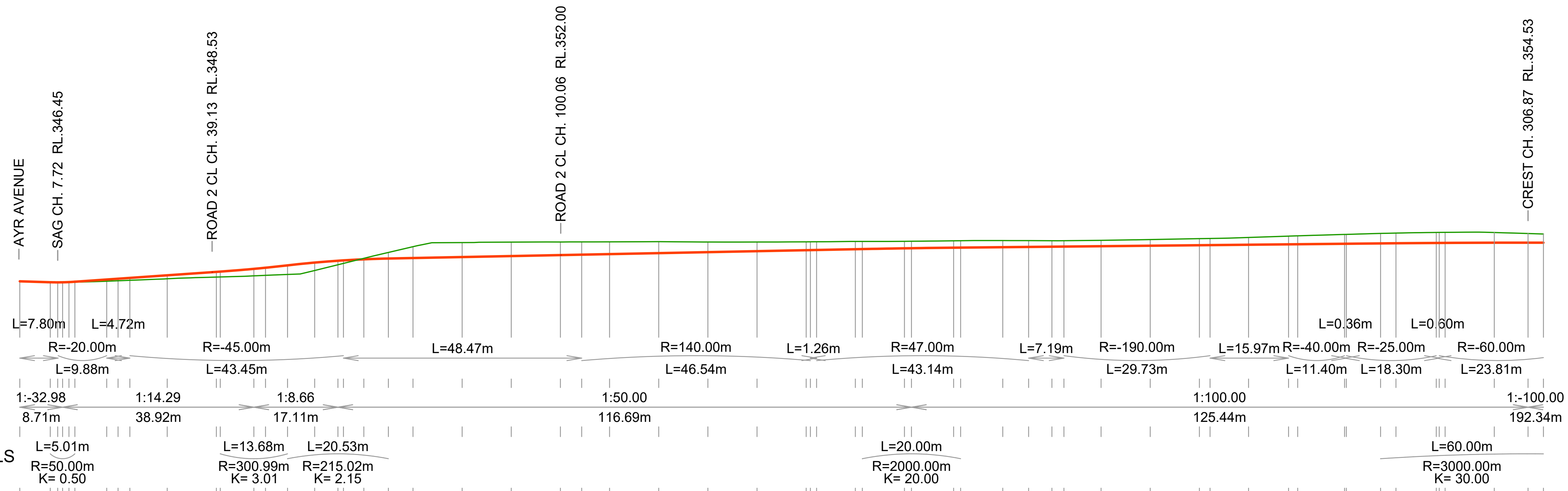
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**301**
REVISION	**B**
SCALE (A3)	**1:1000**



DATUM R.L.286.00

EXISTING LEVEL	346.66	346.38	346.41	346.43	346.46	346.49	346.67	346.77	346.86	347.17	347.52	347.54	347.77	347.88	348.06	348.86	350.03	350.31	351.34	352.54
+ FILL DEPTH - CUT DEPTH	0.00	0.09	0.04	0.03	0.04	0.08	0.35	0.42	0.49	0.71	1.06	1.10	1.43	1.55	1.85	1.61	0.82	0.61	-0.20	-1.24
DESIGN LEVEL	346.66	346.47	346.45	346.46	346.50	346.57	347.02	347.19	347.35	347.89	348.59	348.64	349.20	349.43	349.91	350.48	350.85	350.92	351.14	351.30
CHAINAGE	0.00	6.20	7.72	8.71	10.00	11.21	17.69	20.00	22.40	30.00	40.00	40.79	47.63	50.00	54.47	60.00	64.74	65.86	70.00	75.00

EXISTING LEVEL	353.71	354.55	354.64	354.67	354.69	354.70	354.74	354.67	354.67	354.70	354.71	354.72	354.78	354.78	354.81	354.82	354.91	354.93	354.96	354.95
+ FILL DEPTH - CUT DEPTH	-2.31	-2.95	-2.84	-2.67	-2.60	-2.50	-2.34	-2.07	-1.87	-1.70	-1.69	-1.67	-1.58	-1.55	-1.42	-1.42	-1.40	-1.40	-1.35	-1.28
DESIGN LEVEL	351.40	351.60	351.80	352.00	352.09	352.20	352.40	352.60	352.80	353.00	353.02	353.04	353.20	353.23	353.38	353.40	353.51	353.53	353.61	353.67
CHAINAGE	80.00	90.00	100.00	110.00	114.32	120.00	130.00	140.00	150.00	160.00	160.86	162.12	170.00	171.43	180.00	181.43	190.00	191.43	200.00	205.26

EXISTING LEVEL	354.93	354.94	355.01	355.17	355.35	355.39	355.59	355.86	355.93	356.21	356.22	356.42	356.49	356.62	356.62	356.63	356.60	356.40	356.30
+ FILL DEPTH - CUT DEPTH	-1.22	-1.20	-1.20	-1.26	-1.34	-1.36	-1.48	-1.67	-1.71	-1.90	-1.91	-2.03	-2.07	-2.14	-2.14	-2.15	-2.08	-1.87	-1.77
DESIGN LEVEL	353.71	353.74	353.81	353.91	354.01	354.04	354.11	354.20	354.21	354.31	354.31	354.38	354.41	354.47	354.48	354.49	354.53	354.53	354.53
CHAINAGE	210.00	212.45	220.00	230.00	240.00	242.18	250.00	258.14	260.00	269.54	269.90	276.87	280.00	288.20	288.80	290.00	300.00	306.87	310.00

SCALE 1:1000 HORIZ
1:1000 VERT

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788
CONSENT DRAWINGS
ROAD 1 - LONG SECTIONS
SHEET 1 OF 2

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

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A	AH	29.11.2024	-
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REVIEWED	SP	18.07.2025
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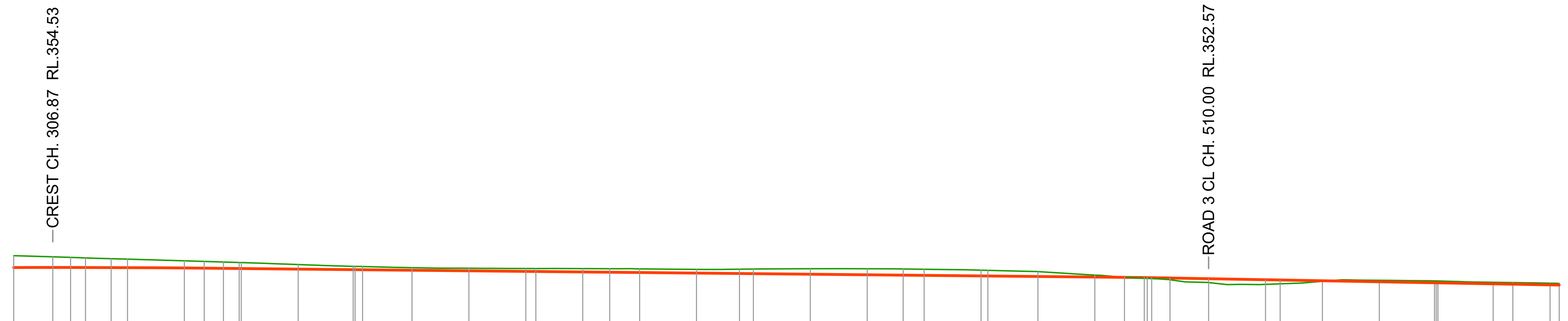
PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**340**
REVISION	**B**
SCALE (A3)	**AS SHOWN**



HORIZ CURVE DATA

L=4.51m L=6.14m L=1.65m L=1.20m L=0.60m L=8.16m

R=-60.00m L=23.81m | R=-70.00m L=16.36m | R=-45.00m L=20.03m | R=-30.00m L=30.46m | L=12.97m | R=-250.00m L=22.81m | L=28.77m | R=100.00m L=13.69m | R=160.00m L=27.49m | L=23.88m | R=100.00m L=27.12m | R=70.00m L=13.17m

VERTICAL GRADE / VERTICAL LENGTH

1:100.00 125.44m | 1:-100.00 192.34m | 1:-55.56 72.41m

VERT CURVE DETAILS

L=60.00m R=3000.00m K= 30.00 | L=8.00m R=1000.00m K= 10.00

DATUM R.L.291.00

CHAINAGE	EXISTING LEVEL	+ FILL DEPTH / - CUT DEPTH	DESIGN LEVEL
300.00	356.60	-2.08	354.53
306.87	356.40	-1.87	354.53
310.00	356.30	-1.77	354.53
312.61	356.21	-1.68	354.53
317.12	356.08	-1.56	354.52
320.00	356.00	-1.49	354.50
330.00	355.70	-1.26	354.44
333.49	355.60	-1.18	354.41
336.87	355.49	-1.11	354.38
339.63	355.40	-1.05	354.36
340.00	355.39	-1.04	354.35
350.00	355.05	-0.79	354.25
359.66	354.73	-0.57	354.16
360.00	354.72	-0.57	354.15
361.31	354.70	-0.56	354.14
370.00	354.50	-0.44	354.05
380.00	354.40	-0.45	353.95
390.00	354.35	-0.50	353.85
391.77	354.35	-0.51	353.83
400.00	354.33	-0.58	353.75
404.74	354.32	-0.61	353.70
410.00	354.28	-0.63	353.65
420.00	354.19	-0.64	353.55
427.55	354.23	-0.76	353.48
430.00	354.26	-0.81	353.45
440.00	354.31	-0.96	353.35
450.00	354.31	-1.06	353.25
456.32	354.27	-1.08	353.19
460.00	354.22	-1.07	353.15
470.00	354.06	-1.01	353.05
471.21	354.03	-0.99	353.04
480.00	353.81	-0.86	352.95
490.00	353.20	-0.34	352.85
495.21	352.81	-0.01	352.80
498.70	352.64	0.11	352.76
499.21	352.62	0.13	352.75
500.00	352.58	0.16	352.74
503.21	352.38	0.31	352.69
510.00	351.89	0.68	352.57
520.00	351.57	0.82	352.39
522.57	351.67	0.67	352.34
530.00	352.11	0.10	352.21
540.00	352.28	-0.26	352.03
549.69	352.18	-0.33	351.85
550.00	352.17	-0.33	351.85
550.29	352.16	-0.32	351.84
560.00	351.93	-0.26	351.67
563.46	351.88	-0.28	351.60
570.00	351.78	-0.29	351.49
571.62	351.74	-0.29	351.46

SCALE 1:1000 HORIZ
1:1000 VERT

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788
CONSENT DRAWINGS
ROAD 1 - LONG SECTIONS
SHEET 2 OF 2

DATUM INFORMATION
COORDINATE SYSTEM NZGD2000 MOUNT NICHOLAS CIRCUIT
DATUM DUNEHT1958
ORIGIN OF COORDINATES IT X DP 23038
ORIGIN OF LEVELS IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
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B	SB	18.07.2025	SUBSTANTIVE APPLICATION

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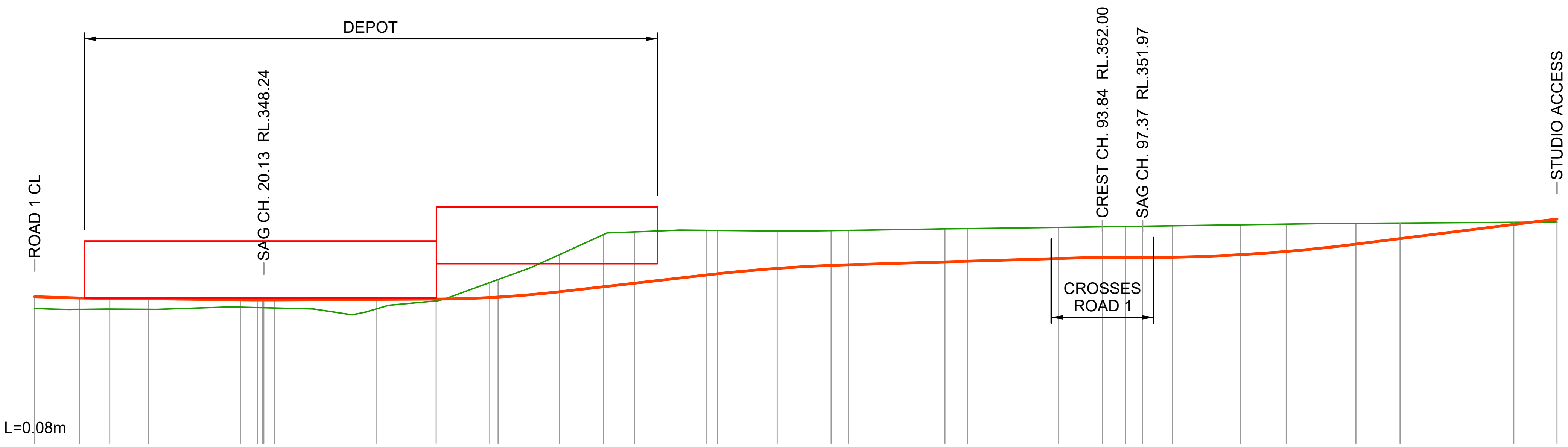
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT **P240664**
DRAWING NO **001**
SHEET **341**
REVISION **B**
SCALE (A3) **AS SHOWN**



HORIZ CURVE DATA: L=0.08m; R=10.00m, L=6.51m; L=46.12m; R=15.50m, L=29.27m; L=51.81m

VERTICAL GRADE / VERTICAL LENGTH: 1:-33.33, 3.92m; 1:-90.91, 15.65m; 1:200.00, 21.16m; 1:8.75, 24.53m; 1:33.33, 28.59m; 1:-100.00, 12.15m; 1:8.00, 27.80m

VERT CURVE DETAILS: L=3.00m, R=187.50m, K= 1.88; L=10.85m, R=100.00m, K= 1.00; L=12.53m, R=150.00m, K= 1.50; L=20.25m, R=150.00m, K= 1.50

DATUM R.L.311.00

EXISTING LEVEL	347.50	347.41	347.43	347.42	347.60	347.57	347.56	347.55	347.53	347.44	348.16	349.77
+ FILL DEPTH - CUT DEPTH	1.03	1.00	0.94	0.92	0.65	0.67	0.68	0.69	0.71	0.85	0.16	-1.32
DESIGN LEVEL	348.52	348.41	348.38	348.34	348.25	348.24	348.24	348.24	348.24	348.29	348.31	348.45
CHAINAGE	0.00	3.92	6.59	10.00	18.07	19.57	20.00	20.13	21.07	30.00	35.28	40.00

EXISTING LEVEL	350.03	352.23	353.99	354.22	354.36	354.35	354.31	354.33	354.35	354.49	354.51	354.62
+ FILL DEPTH - CUT DEPTH	-1.54	-3.27	-4.59	-4.51	-3.93	-3.81	-3.29	-3.05	-3.02	-2.90	-2.87	-2.73
DESIGN LEVEL	348.49	348.96	349.40	349.71	350.43	350.54	351.01	351.28	351.33	351.59	351.65	351.89
CHAINAGE	40.73	46.14	50.00	52.72	59.01	60.00	65.26	70.00	71.54	80.00	81.99	90.00

EXISTING LEVEL	354.67	354.70	354.72	354.76	354.85	354.91	354.97	355.00	355.06	355.09
+ FILL DEPTH - CUT DEPTH	-2.67	-2.72	-2.75	-2.76	-2.63	-2.40	-1.83	-1.37	-0.18	0.27
DESIGN LEVEL	352.00	351.98	351.97	352.00	352.22	352.50	353.15	353.63	354.88	355.36
CHAINAGE	93.84	95.87	97.37	100.00	106.00	110.00	116.12	120.00	130.00	133.80

SCALE 1:500 HORIZ
1:500 VERT

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WINTON BEST BY DESIGN

DRAWING TITLE
AYRBURN SCREEN HUB - LOT 4 DP 540788
CONSENT DRAWINGS
ROAD 2 - LONG SECTIONS
SHEET 1 OF 1

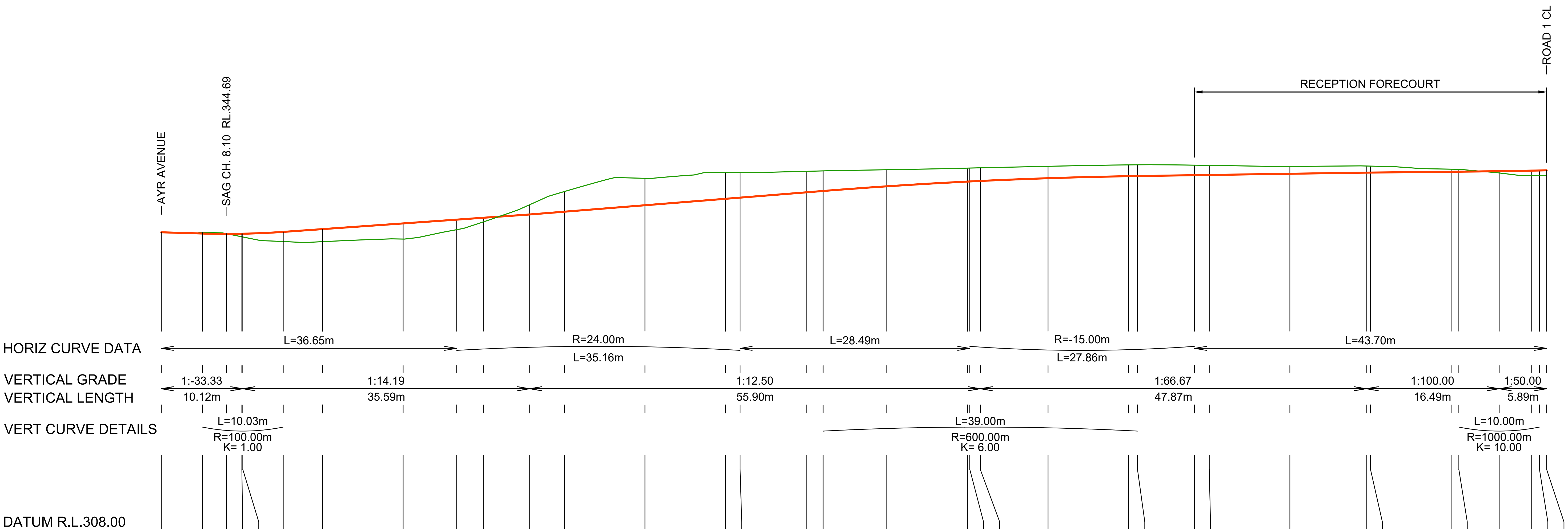
DATUM INFORMATION
COORDINATE SYSTEM NZGD2000 MOUNT NICHOLAS CIRCUIT
DATUM DUNEHT1958
ORIGIN OF COORDINATES IT X DP 23038
ORIGIN OF LEVELS IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT **P240664**
DRAWING NO **001**
SHEET **342**
REVISION **B**
SCALE (A3) **AS SHOWN**



DATUM R.L.308.00

CHAINAGE	EXISTING LEVEL	+ FILL DEPTH / - CUT DEPTH	DESIGN LEVEL
0.00	344.88	0.00	344.88
5.10	344.84	-0.11	344.73
8.10	344.71	-0.02	344.69
10.00	344.32	0.38	344.70
10.12	344.30	0.41	344.71
15.12	343.74	1.20	344.93
20.00	343.72	1.56	345.28
30.00	344.04	1.94	345.98
36.65	345.21	1.24	346.45
40.00	346.19	0.50	346.69
45.70	348.30	-1.21	347.09
50.00	349.93	-2.50	347.43
60.00	351.57	-3.34	348.23
70.00	352.28	-3.25	349.03
71.80	352.29	-3.11	349.18
80.00	352.44	-2.60	349.83
82.10	352.49	-2.49	350.00
90.00	352.63	-2.05	350.58
100.00	352.84	-1.67	351.17
100.30	352.84	-1.66	351.18
101.60	352.87	-1.63	351.24
110.00	353.06	-1.48	351.58
120.00	353.24	-1.40	351.83
121.10	353.24	-1.39	351.85
128.15	353.20	-1.24	351.96
130.00	353.17	-1.19	351.99
140.00	353.04	-0.91	352.14
149.47	353.10	-0.82	352.28
150.00	353.08	-0.80	352.28
160.00	352.70	-0.32	352.38
160.96	352.68	-0.29	352.39
165.96	352.24	0.22	352.46
170.00	351.92	0.60	352.52
170.96	351.91	0.63	352.54
171.85	351.90	0.66	352.56

SCALE 1:500 HORIZ
1:500 VERT

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WINTON BEST BY DESIGN

DRAWING TITLE
AYRBURN SCREEN HUB - LOT 4 DP 540788
CONSENT DRAWINGS
ROAD 3 - LONG SECTIONS
SHEET 1 OF 1

DATUM INFORMATION
COORDINATE SYSTEM: NZGD2000 MOUNT NICHOLAS CIRCUIT
DATUM: DUNEHT1958
ORIGIN OF COORDINATES: IT X DP 23038
ORIGIN OF LEVELS: IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

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DESIGNED	AH	06.11.2024
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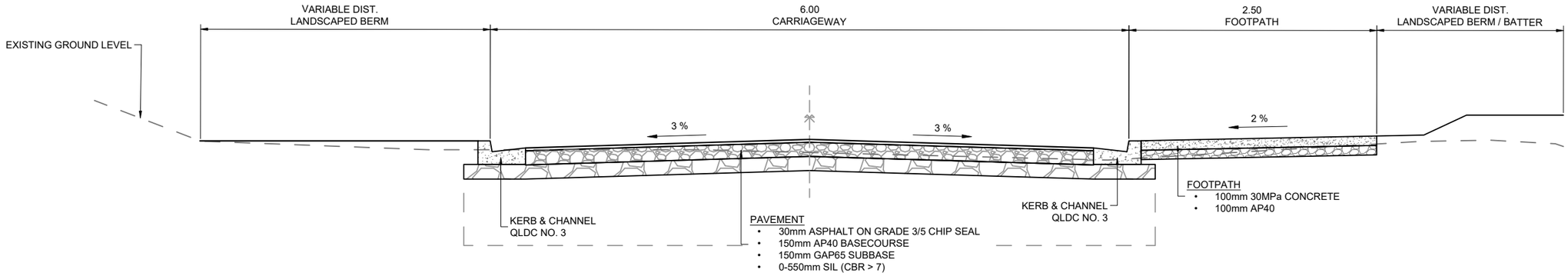
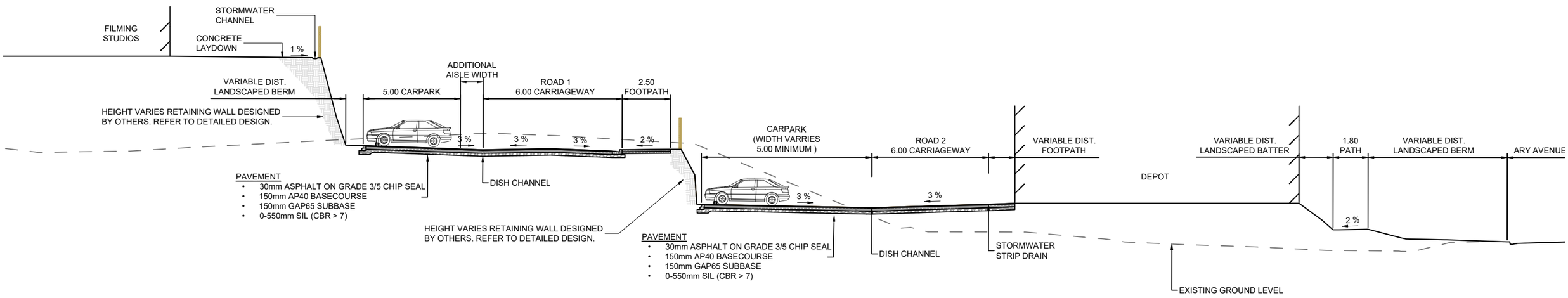
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT **P240664**
DRAWING NO **001**
SHEET **343**
REVISION **B**
SCALE (A3) **AS SHOWN**



SECTION A - ROAD 1

SCALE 1:50



SECTION B - ROADS 1 AND 2

SCALE 1:200

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

ROADS 1 AND 2 - TYPICAL CROSS SECTIONS

SHEET 1 OF 2

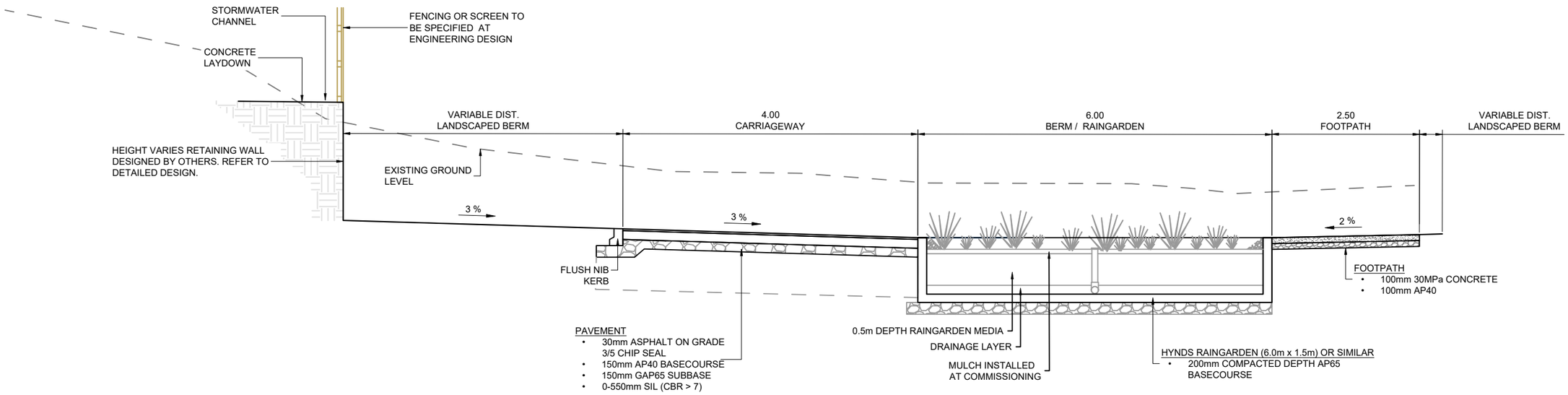
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

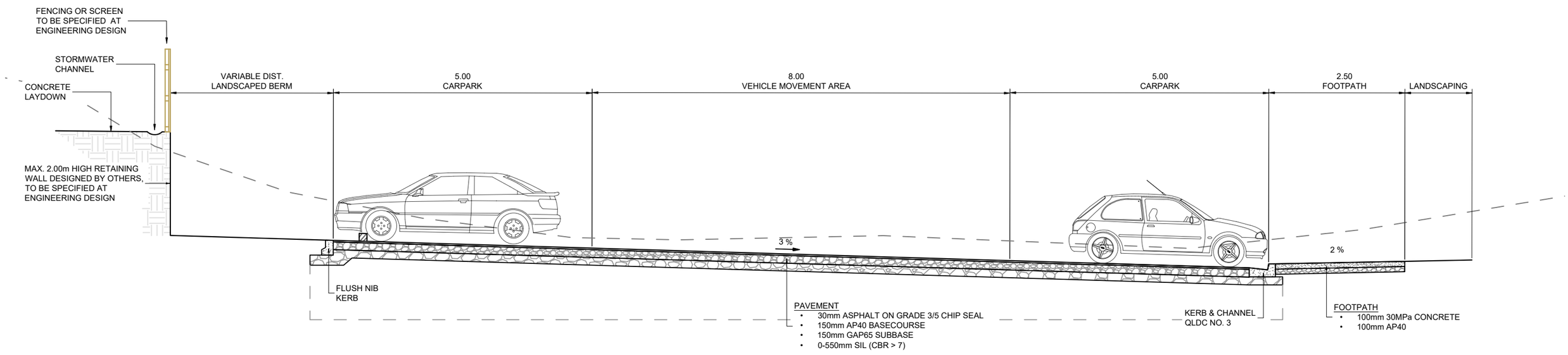
SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**350**
REVISION	**B**
SCALE (A3)	**AS SHOWN**



SECTION C - ROAD 1

SCALE 1:75



SECTION D - CARPARK

SCALE 1:75

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

ROAD 1 - TYPICAL CROSS SECTIONS

SHEET 2 OF 2

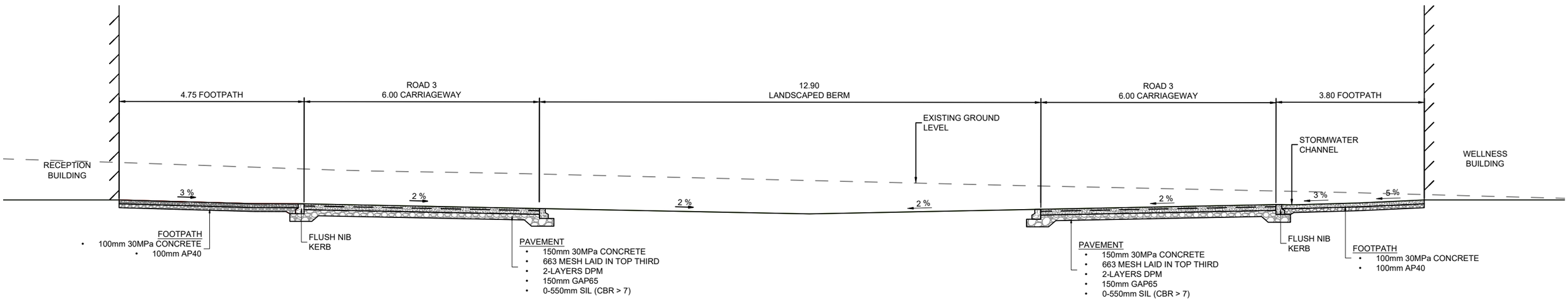
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

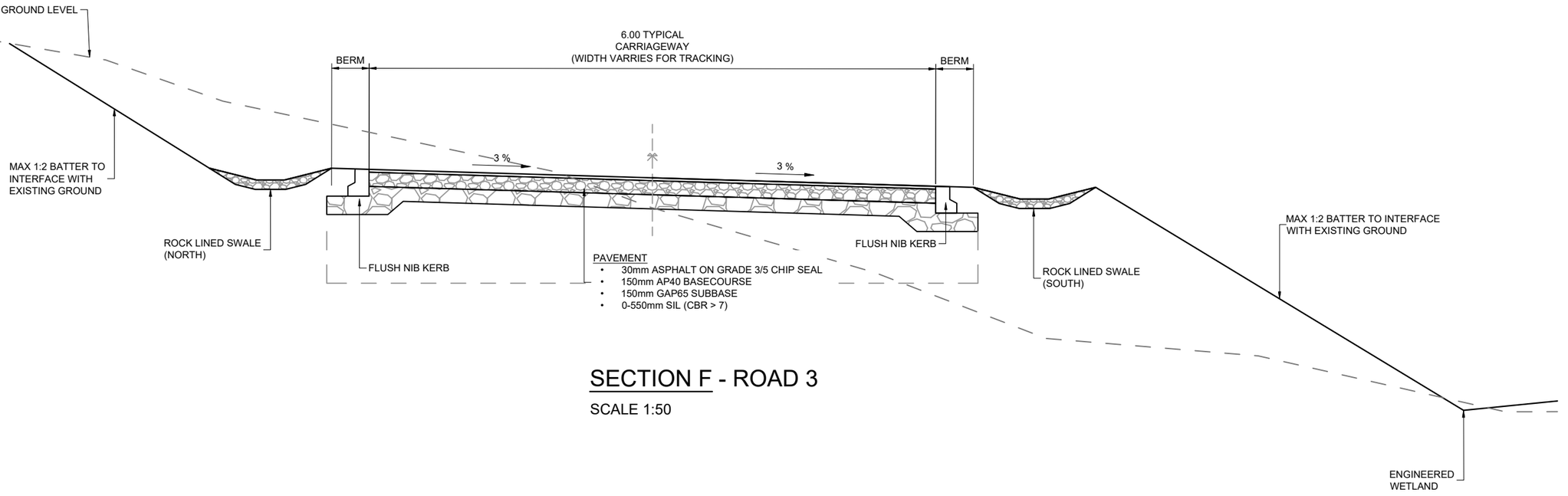
SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**351**
REVISION	**B**
SCALE (A3)	**AS SHOWN**



SECTION E - ROAD 3

SCALE 1:100



SECTION F - ROAD 3

SCALE 1:50

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

ROAD 3 - TYPICAL CROSS SECTIONS

SHEET 1 OF 1

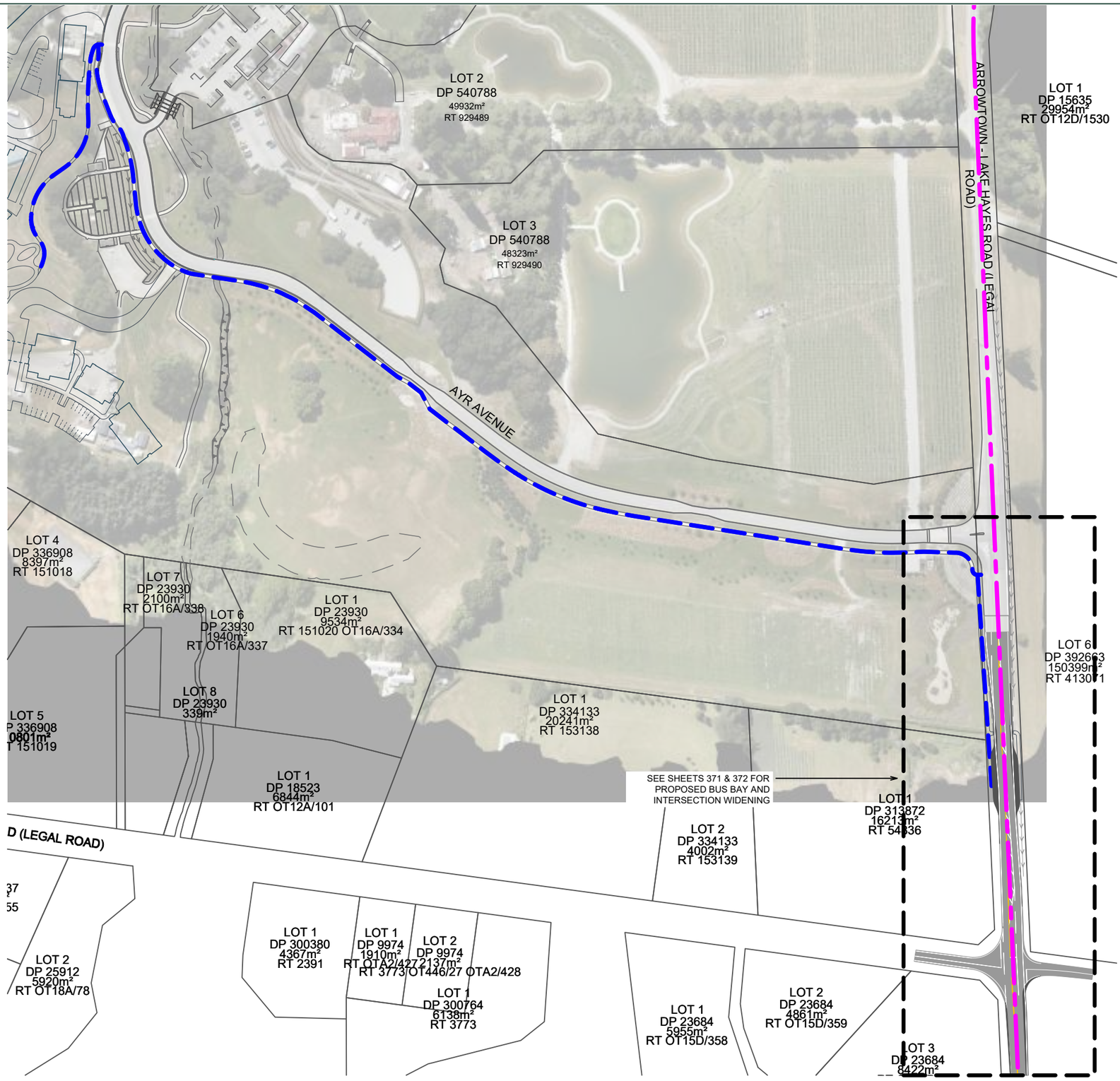
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**352**
REVISION	**B**
SCALE (A3)	**AS SHOWN**



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WINTON
BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

BUS STOP - LAYOUT OVERVIEW

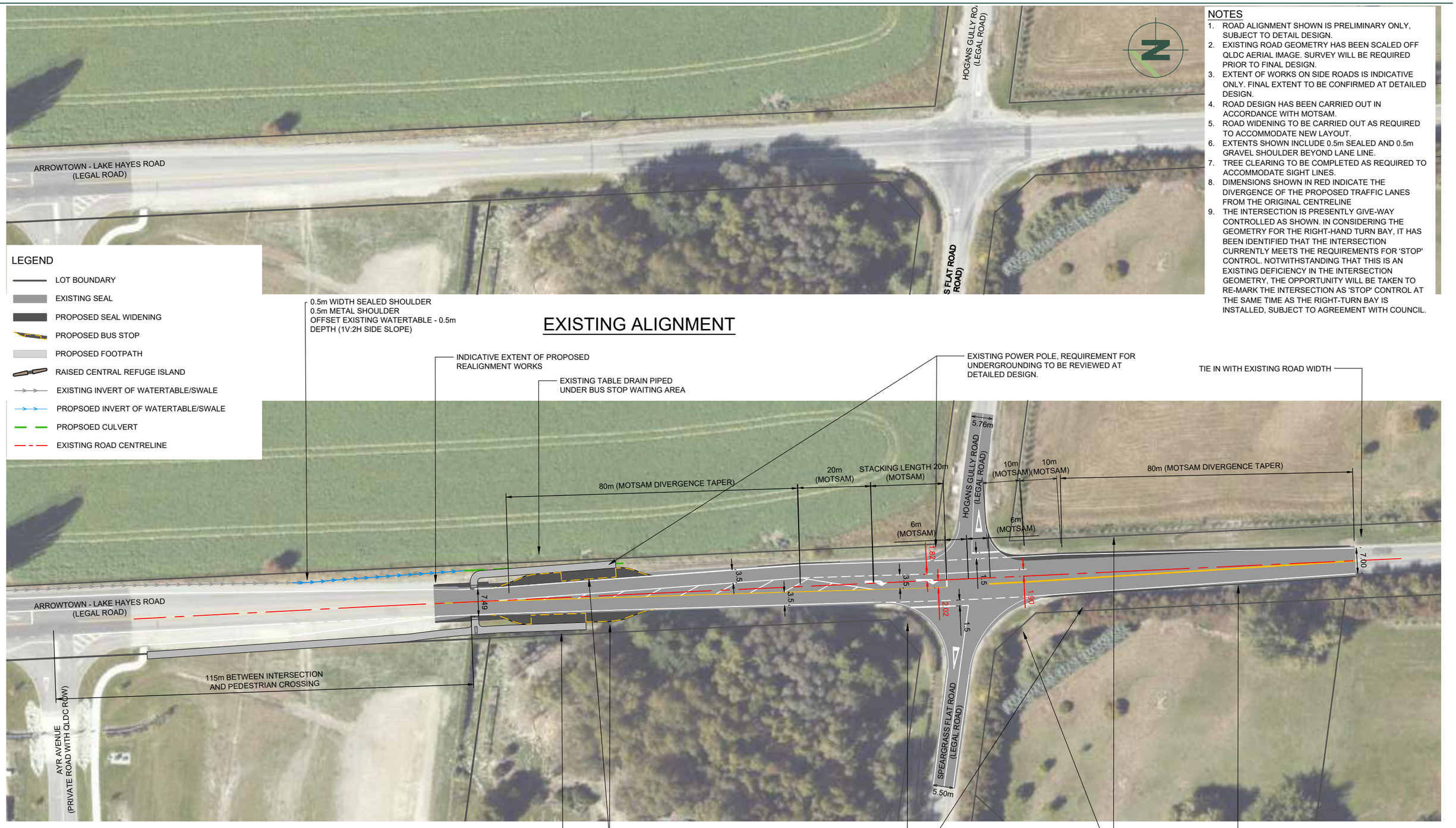
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	-	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**370**
REVISION	**B**
SCALE (A3)	**1:2500**



NOTES

1. ROAD ALIGNMENT SHOWN IS PRELIMINARY ONLY, SUBJECT TO DETAIL DESIGN.
2. EXISTING ROAD GEOMETRY HAS BEEN SCALED OFF QLDC AERIAL IMAGE. SURVEY WILL BE REQUIRED PRIOR TO FINAL DESIGN.
3. EXTENT OF WORKS ON SIDE ROADS IS INDICATIVE ONLY. FINAL EXTENT TO BE CONFIRMED AT DETAILED DESIGN.
4. ROAD DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH MOTSAM.
5. ROAD WIDENING TO BE CARRIED OUT AS REQUIRED TO ACCOMMODATE NEW LAYOUT.
6. EXTENTS SHOWN INCLUDE 0.5m SEALED AND 0.5m GRAVEL SHOULDER BEYOND LANE LINE.
7. TREE CLEARING TO BE COMPLETED AS REQUIRED TO ACCOMMODATE SIGHT LINES.
8. DIMENSIONS SHOWN IN RED INDICATE THE DIVERGENCE OF THE PROPOSED TRAFFIC LANES FROM THE ORIGINAL CENTRELINE
9. THE INTERSECTION IS PRESENTLY GIVE-WAY CONTROLLED AS SHOWN. IN CONSIDERING THE GEOMETRY FOR THE RIGHT-HAND TURN BAY, IT HAS BEEN IDENTIFIED THAT THE INTERSECTION CURRENTLY MEETS THE REQUIREMENTS FOR 'STOP' CONTROL. NOTWITHSTANDING THAT THIS IS AN EXISTING DEFICIENCY IN THE INTERSECTION GEOMETRY, THE OPPORTUNITY WILL BE TAKEN TO RE-MARK THE INTERSECTION AS 'STOP' CONTROL AT THE SAME TIME AS THE RIGHT-TURN BAY IS INSTALLED, SUBJECT TO AGREEMENT WITH COUNCIL.

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WINTON
BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

BUS STOP / INTERSECTION UPGRADE LAYOUT

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	-	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**371**
REVISION	**B**
SCALE (A3)	**1:1000**

LEGEND

- LOT BOUNDARY
- ABUTING LOT BOUNDARIES
- EXISTING EDGE OF SEAL
- EXISTING SEAL
- PROPOSED SEAL WIDENING
- PROPOSED BUS STOP
- PROPOSED FOOTPATH
- RAISED CENTRAL REFUGE ISLAND
- EXISTING INVERT OF WATERTABLE/SWALE
- PROPSOED INVERT OF WATERTABLE/SWALE
- PROPSOED CULVERT
- SIGHT LINE 5m FROM CENTRE OF LANE
- SIGHT LINE 7m FROM CENTRE OF LANE

NOTES

1. ROAD ALIGNMENT SHOWN IS PRELIMINARY ONLY, SUBJECT TO DETAIL DESIGN.
2. GREEN SIGHT LINES SHOWN REPRESENT MINIMUM 5m SET BACK FROM THE CENTRE OF THE NEAREST TRAFFIC LANE.
3. RED SIGHT LINE SHOWN REPRESENT MAXIMUM 7m SET BACK FROM THE CENTRE OF THE NEAREST TRAFFIC LANE.

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788
CONSENT DRAWINGS
INTERSECTION SIGHT LINES

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

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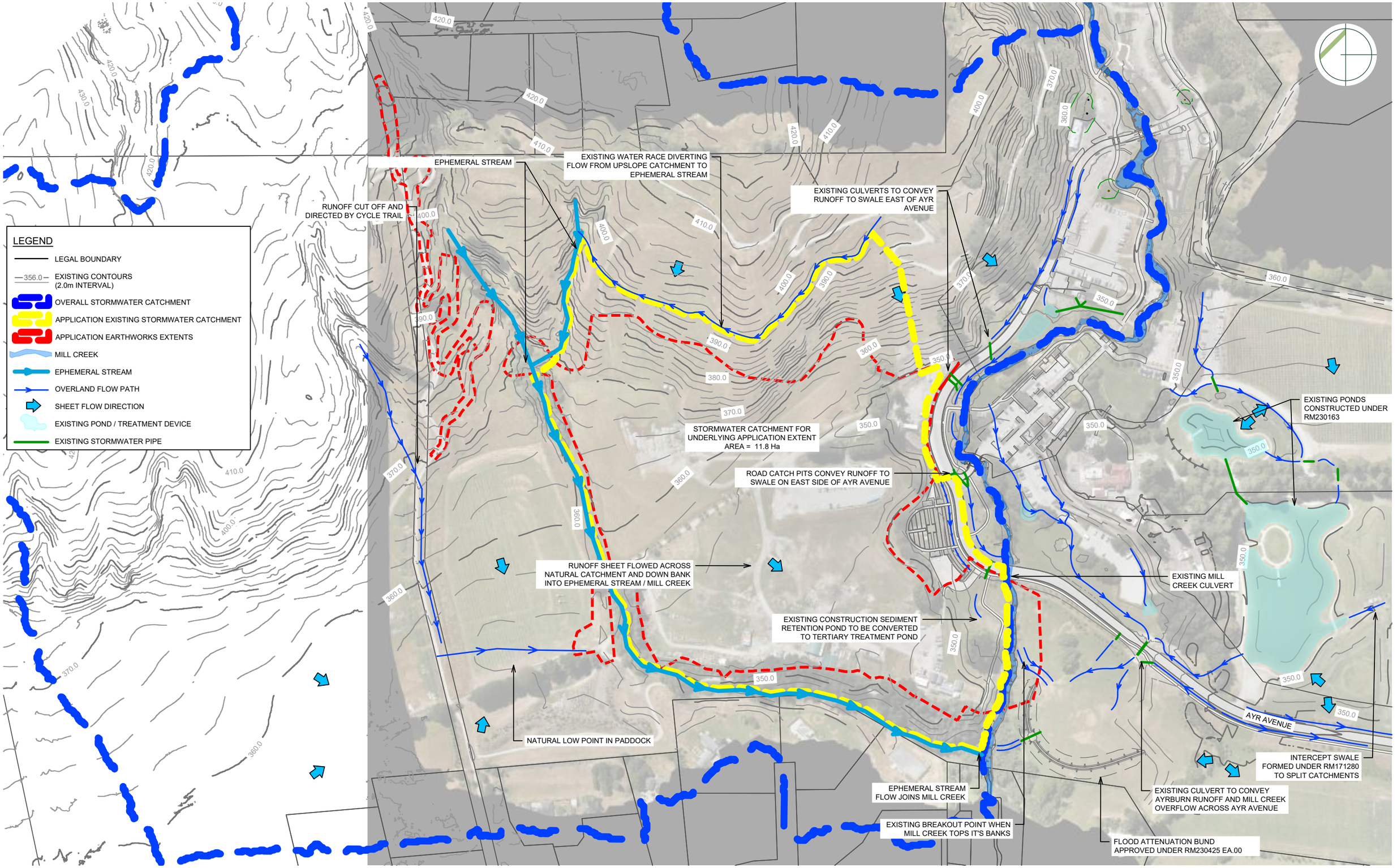
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	-	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**372**
REVISION	**B**
SCALE (A3)	**1:1000**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788
CONSENT DRAWINGS
STORMWATER DRAINAGE -
CATCHMENTS AND EXISTING FEATURES

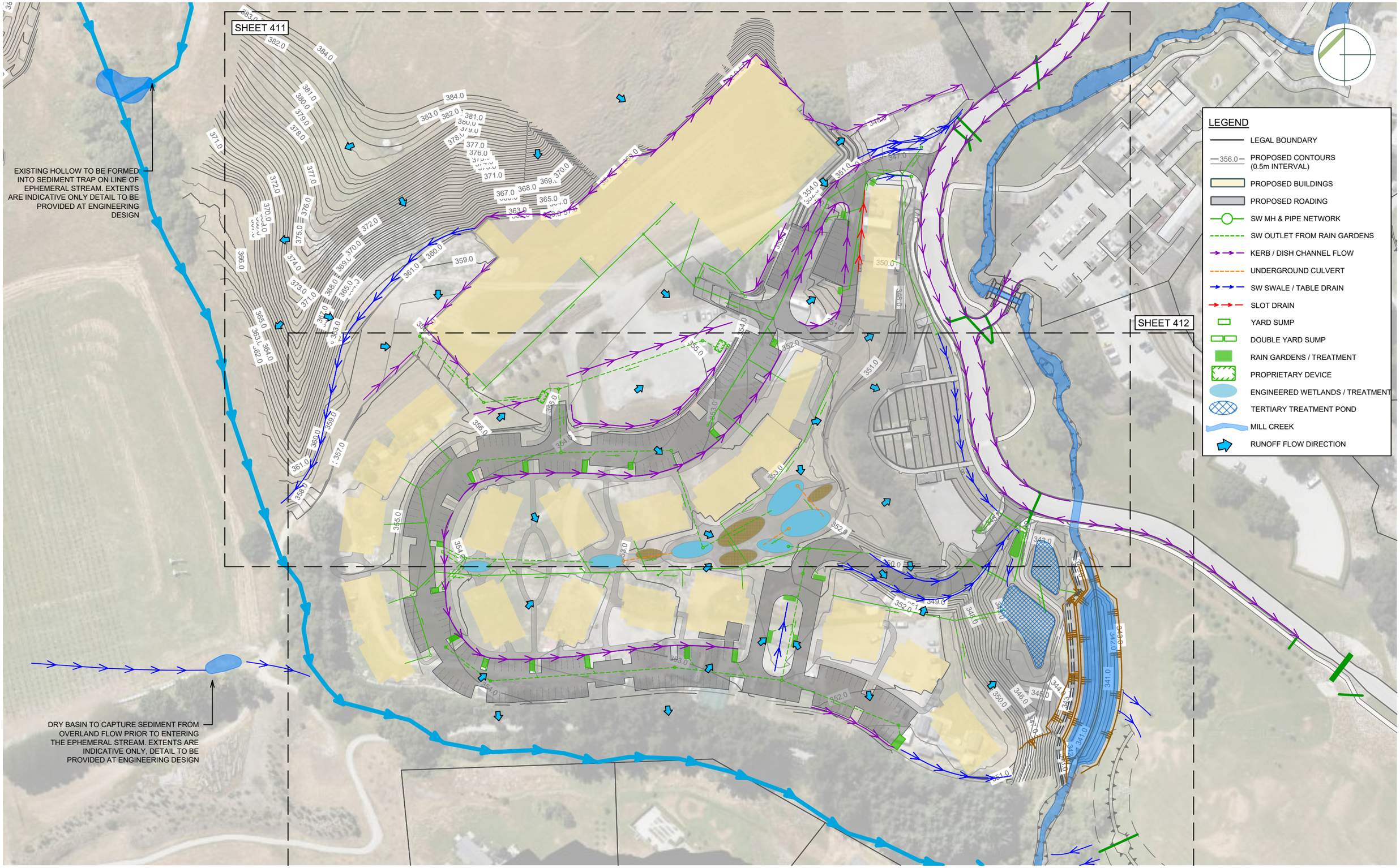
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**400**
REVISION	**B**
SCALE (A3)	**1:3000**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

STORMWATER DRAINAGE - OVERVIEW

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000 MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

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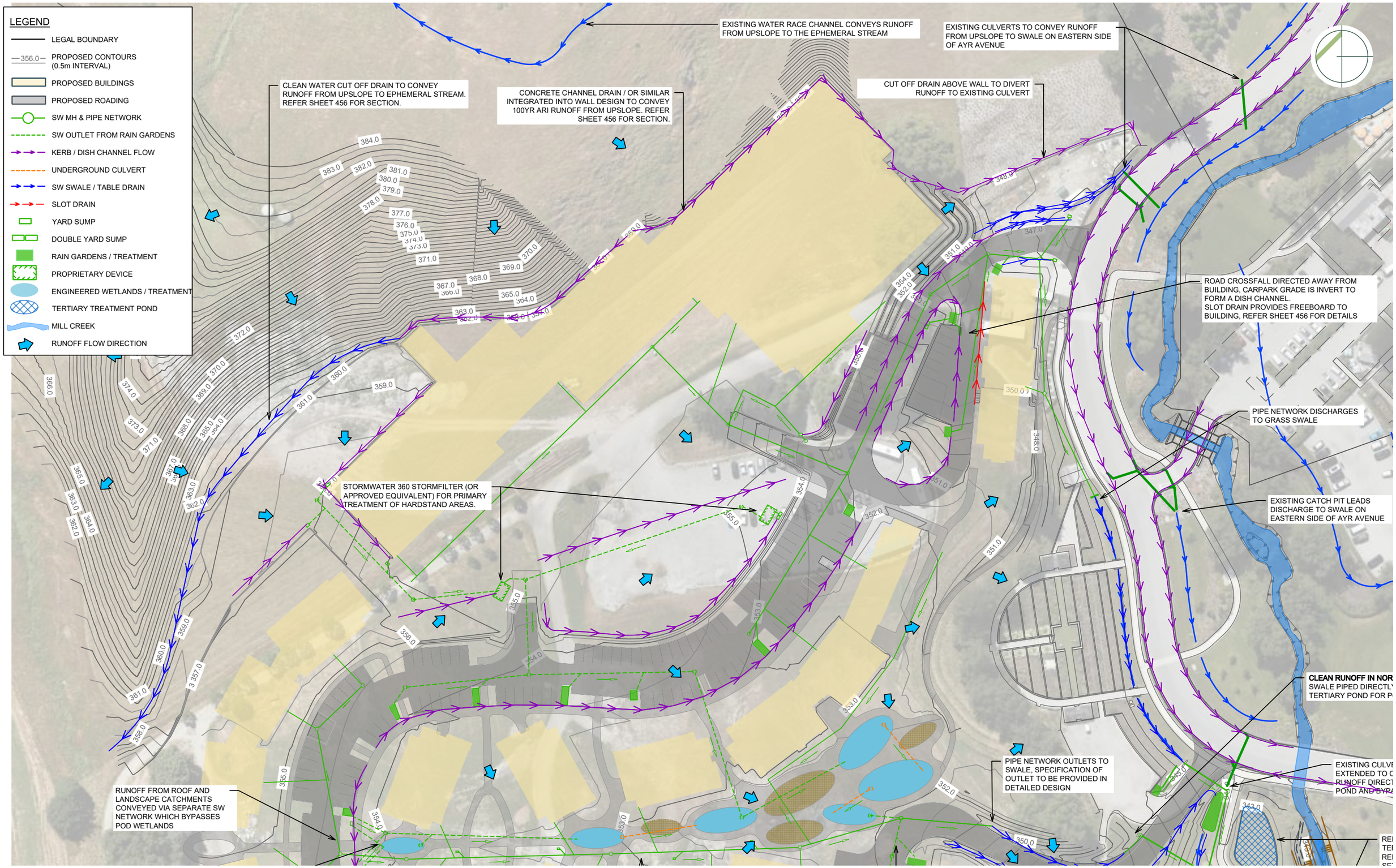
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**410**
REVISION	**B**
SCALE (A3)	**1:1500**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

STORMWATER DRAINAGE

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000 MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

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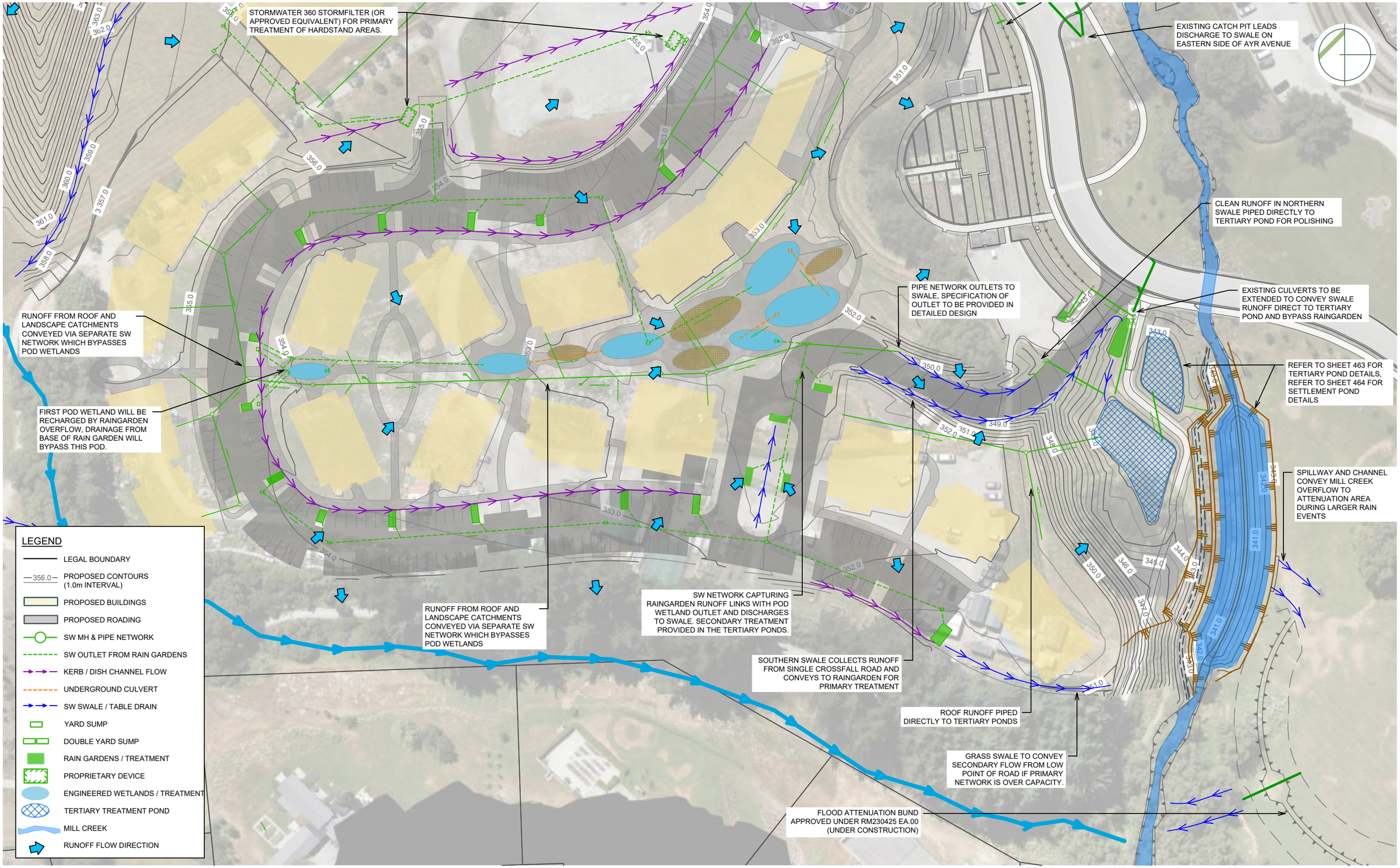
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**411**
REVISION	**B**
SCALE (A3)	**1:1000**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

STORMWATER DRAINAGE

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

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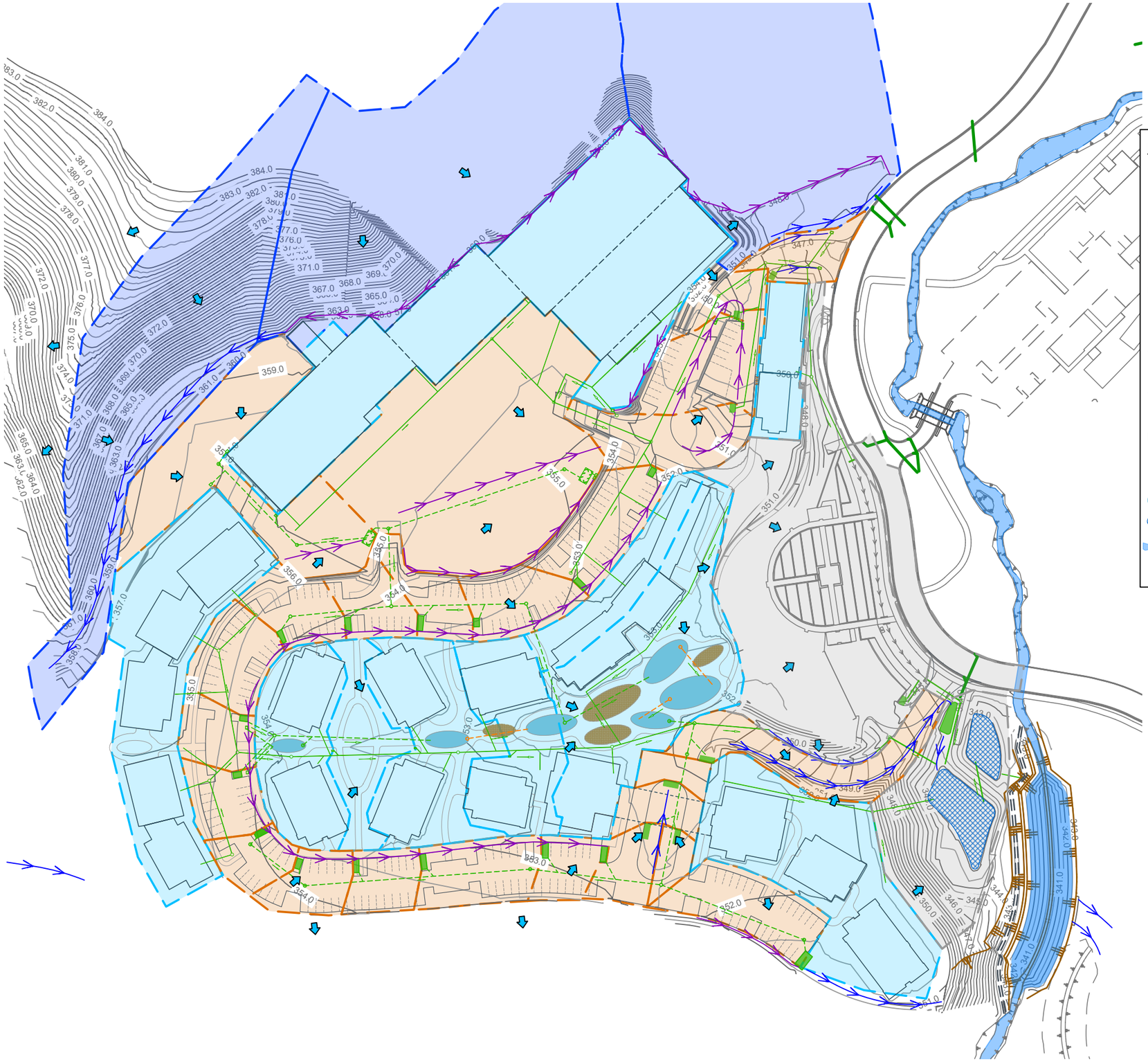
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**412**
REVISION	**B**
SCALE (A3)	**1:1000**

LEGEND

1. THIS PLAN PROVIDES AN OVERVIEW OF THE STORMWATER CATCHMENTS RESULTING FROM THE PROPOSED DEVELOPMENT. REFER TO SHEETS 451 AND 452 FOR MORE DETAIL ON THE SEPARATION OF THE CLEAN AND DIRTY RUNOFF FLOWS.



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

STORMWATER CATCHMENT PLAN

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

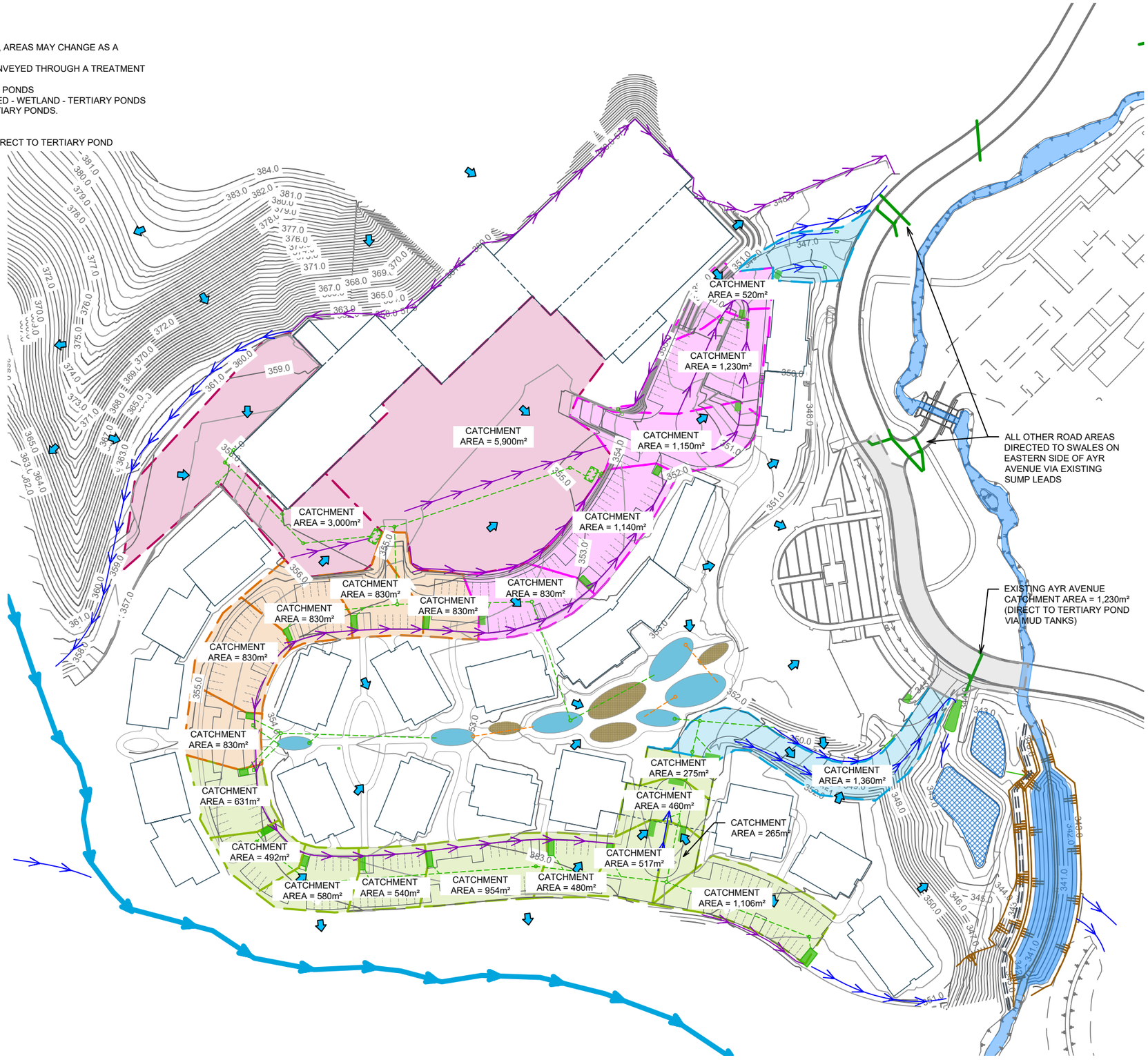
STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**450**
REVISION	**B**
SCALE (A3)	**1:1500**

LEGEND

1. ALL CATCHMENT EXTENTS ARE INDICATIVE ONLY, AREAS MAY CHANGE AS A RESULT OF DETAILED DESIGN
2. RUNOFF FROM ROAD / HARDSTAND AREAS IS CONVEYED THROUGH A TREATMENT TRAIN UTILISING THE FOLLOWING DEVICES;
   - 2.1. 'TYPE A' RAINGARDEN - WETLAND - TERTIARY PONDS
   - 2.2. 'TYPE B' STORMFILTER (OR SIMILAR APPROVED - WETLAND - TERTIARY PONDS
   - 2.3. 'TYPE C' RAINGARDEN - GRASS SWALE - TERTIARY PONDS.
   - 2.4. 'TYPE D' RAINGARDEN - TERTIARY PONDS.
   - 2.5. 'TYPE E' RAINGARDEN - TERTIARY PONDS.
   - 2.6. EXISTING AYR AVENUE CATCHMENT PIPED DIRECT TO TERTIARY POND



LEGEND

- LEGAL BOUNDARY
- 356.0 PROPOSED CONTOURS (1.0m INTERVAL)
- TYPE A CATCHMENT
- TYPE B CATCHMENT
- TYPE C CATCHMENT
- TYPE D CATCHMENT
- TYPE E CATCHMENT
- EXISTING ROAD CATCHMENT
- ROOF / LANDSCAPE RUNOFF NETWORK
- ROAD / HARDSTAND RUNOFF NETWORK
- KERB / DISH CHANNEL FLOW
- UNDERGROUND CULVERT
- SW SWALE / TABLE DRAIN
- YARD SUMP
- DOUBLE YARD SUMP
- RAIN GARDENS / TREATMENT
- PROPRIETARY DEVICE
- ENGINEERED WETLANDS / TREATMENT
- TERTIARY TREATMENT POND
- MILL CREEK
- RUNOFF FLOW DIRECTION

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788
CONSENT DRAWINGS
DIRTY RUNOFF CATCHMENT PLAN

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
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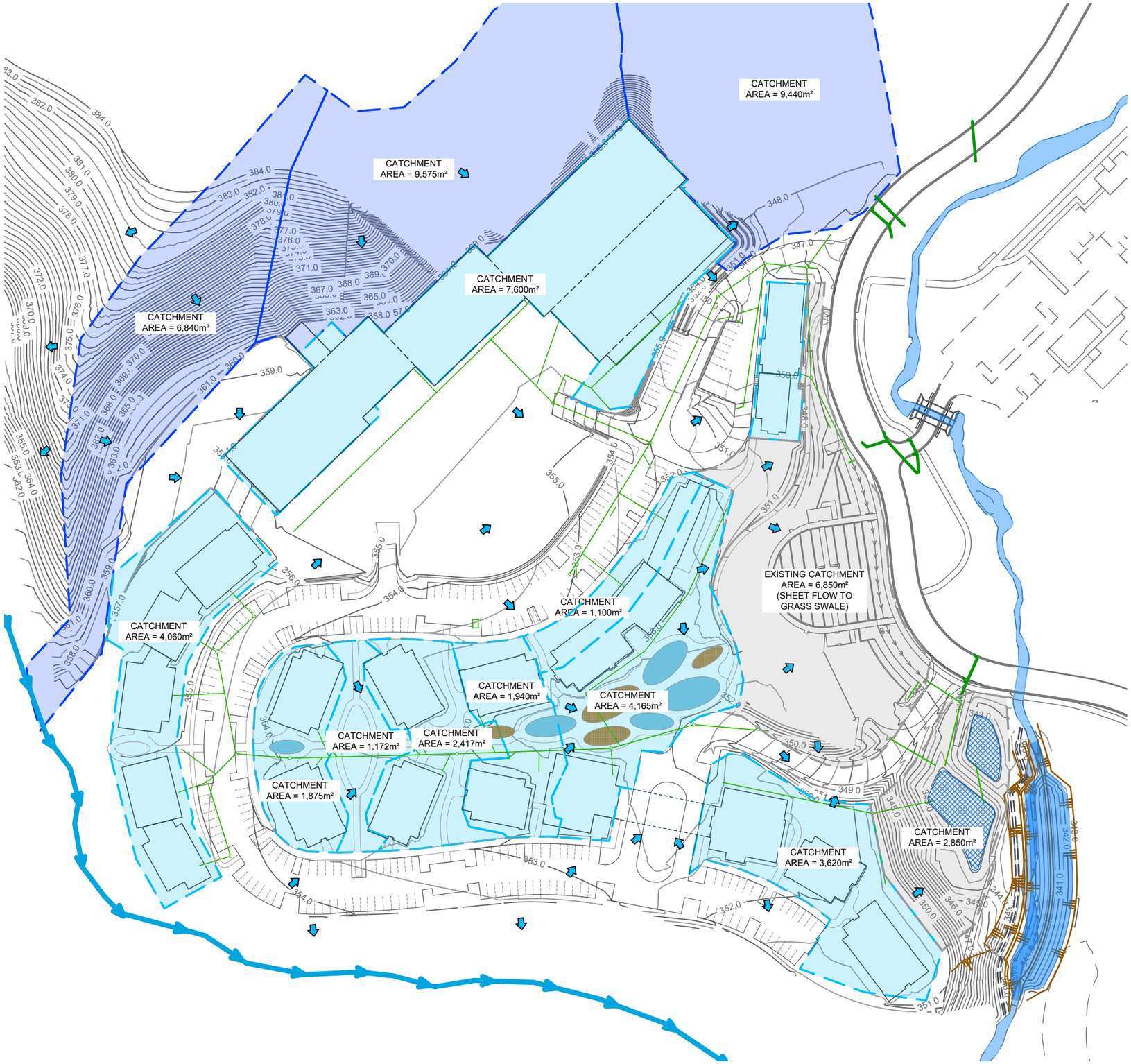
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**451**
REVISION	**B**
SCALE (A3)	**1:1500**

LEGEND

1. RUNOFF FROM UPSLOPE WILL BE DIVERTED AROUND THE SITE OUTLET TO EITHER THE EPHEMERAL STREAM TO THE WEST OF THE EXISTING AYR AVENUE SWALES TO THE EAST
2. RUNOFF FROM ROOF OR LANDSCAPE AREAS IS CONSIDERED CLEAN.
3. RUNOFF FROM ROOF AREAS WILL BE CONVEYED BY AN INDEPENDENT NETWORK TO BYPASS TREATMENT DEVICES.
4. WITH EXCEPTION OF THE UPSLOPE CATCHMENT ALL STORMWATER RUNOFF FROM THE SITE WILL FLOW THROUGH THE TERTIARY TREATMENT PONDS PRIOR TO DISCHARGE INTO MILL CREEK.
5. DOWNSLOPE CATCHMENT CONVEYED VIA EXISTING GRASSED SWALES TO TERTIARY PONDS.



LEGEND

- LEGAL BOUNDARY
- 356.0 PROPOSED CONTOURS (1.0m INTERVAL)
- UPSLOPE CATCHMENT DIVERTED
- ROOF/ LANDSCAPE CATCHMENT
- EXISTING DOWNSLOPE CATCHMENT
- CLEAN RUNOFF NETWORK
- DIRTY RUNOFF NETWORK
- KERB / DISH CHANNEL FLOW
- UNDERGROUND CULVERT
- SW SWALE / TABLE DRAIN
- YARD SUMP
- DOUBLE YARD SUMP
- RAIN GARDENS / TREATMENT
- PROPRIETARY DEVICE
- ENGINEERED WETLANDS / TREATMENT
- TERTIARY TREATMENT POND
- MILL CREEK
- RUNOFF FLOW DIRECTION

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788
CONSENT DRAWINGS
ROOF / LANDSCAPE RUNOFF
CATCHMENT PLAN

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000 MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

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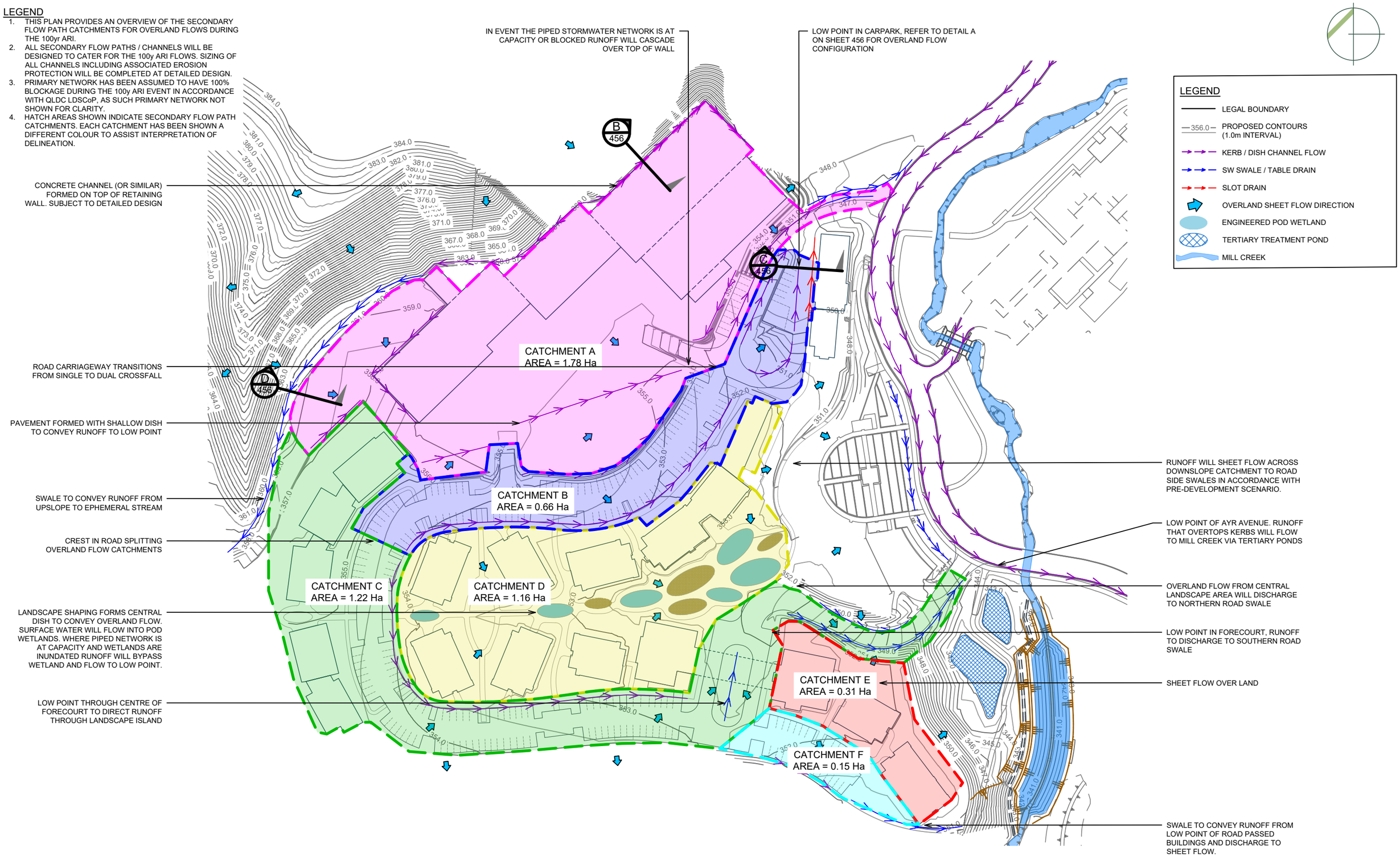
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**452**
REVISION	**B**
SCALE (A3)	**1:1500**

LEGEND

1. THIS PLAN PROVIDES AN OVERVIEW OF THE SECONDARY FLOW PATH CATCHMENTS FOR OVERLAND FLOWS DURING THE 100yr ARI.
2. ALL SECONDARY FLOW PATHS / CHANNELS WILL BE DESIGNED TO CATER FOR THE 100y ARI FLOWS. SIZING OF ALL CHANNELS INCLUDING ASSOCIATED EROSION PROTECTION WILL BE COMPLETED AT DETAILED DESIGN.
3. PRIMARY NETWORK HAS BEEN ASSUMED TO HAVE 100% BLOCKAGE DURING THE 100y ARI EVENT IN ACCORDANCE WITH QLDC LDSCoP, AS SUCH PRIMARY NETWORK NOT SHOWN FOR CLARITY.
4. HATCH AREAS SHOWN INDICATE SECONDARY FLOW PATH CATCHMENTS. EACH CATCHMENT HAS BEEN SHOWN A DIFFERENT COLOUR TO ASSIST INTERPRETATION OF DELINEATION.



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

SECONDARY FLOW CATCHMENT PLAN

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

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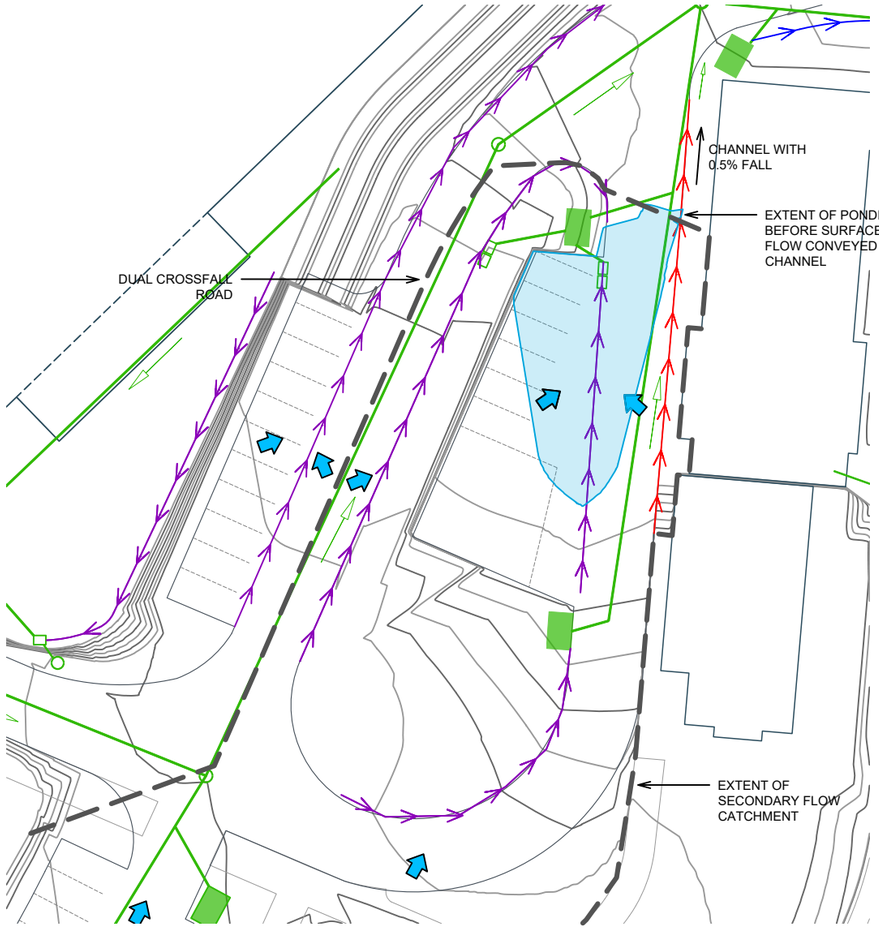
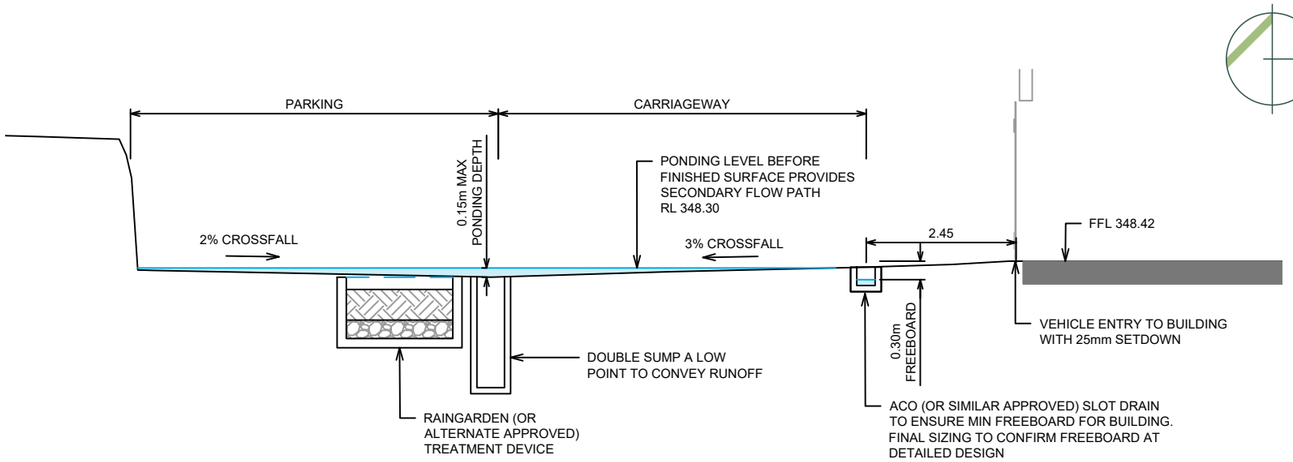
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**455**
REVISION	**B**
SCALE (A3)	**1:1500**



DETAIL A - DEPOT BUILDING SURFACE PONDING

SCALE 1:500



SECTION C - DEPOT BUILDING SURFACE PONDING

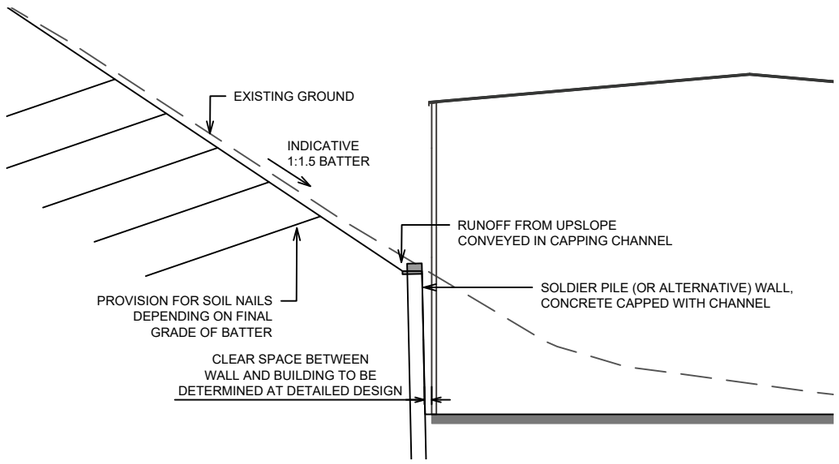
SCALE 1:100

LEGEND

1. ALL SECONDARY FLOW PATHS / CHANNELS WILL BE DESIGNED TO CATER FOR THE 100y ARI FLOWS. SIZING OF ALL CHANNELS WILL BE COMPLETED AT DETAILED DESIGN.
2. PRIMARY NETWORK HAS BEEN ASSUMED TO HAVE 100% BLOCKAGE DURING THE 100y ARI EVENT IN ACCORDANCE WITH QLDC LDSCoP. THE PONDING EXTENT SHOWN ASSUMES FULL BLOCKAGE
3. ALL RETAINING WALL AND EARTH BATTER SOLUTIONS TO BE CONFIRMED AT DETAILED DESIGN. WALLS AND NAILS SHOWN ARE INDICATIVE ONLY.

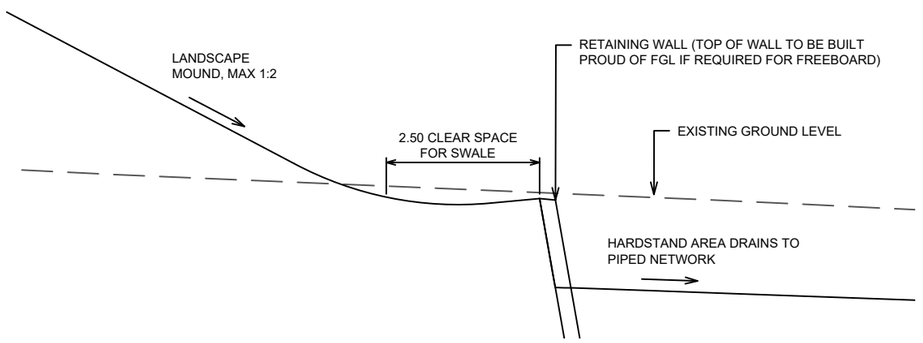
LEGEND

- LEGAL BOUNDARY
- 356.0 PROPOSED CONTOURS (1.0m INTERVAL)
- KERB / DISH CHANNEL FLOW
- SW SWALE / TABLE DRAIN
- SLOT DRAIN
- OVERLAND SHEET FLOW DIRECTION
- ENGINEERED POD WETLAND
- TERTIARY TREATMENT POND
- MILL CREEK
- STORMWATER NETWORK
- RAINGARDEN



SECTION B - UPSLOPE CUT OFF CHANNEL

SCALE 1:250



SECTION D - UPSLOPE CUT OFF CHANNEL / SWALE

SCALE 1:100

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

SECONDARY FLOW DETAIL PLAN

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
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STATUS **FOR CONSENT**

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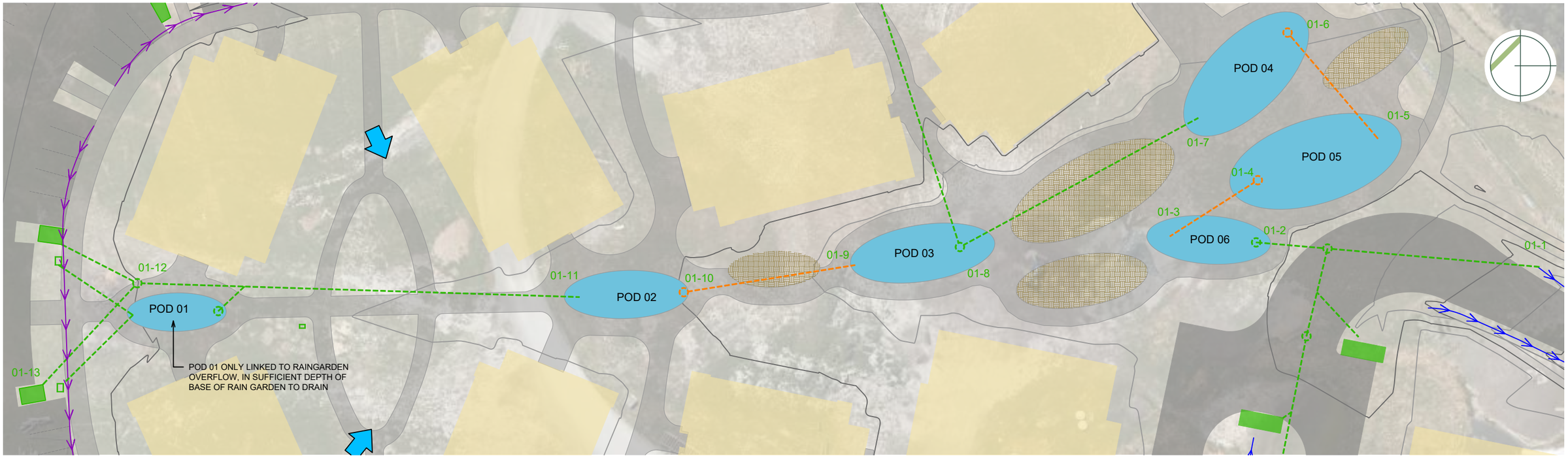
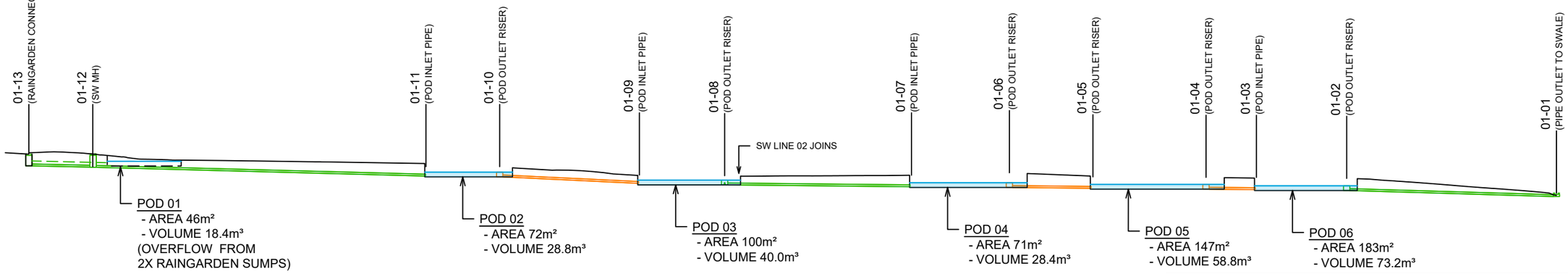
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**456**
REVISION	**B**
SCALE (A3)	**AS SHOWN**



POD WETLAND LAYOUT

SCALE 1:500



POD WETLAND LONG SECTION

SCALE H - 1:750

V - 1:375

LEGEND

- LEGAL BOUNDARY
- 356.0 PROPOSED CONTOURS (1.0m INTERVAL)
- PROPOSED BUILDINGS
- PROPOSED ROADING
- SW MH & PIPE NETWORK
- SW OUTLET FROM RAIN GARDENS
- KERB / DISH CHANNEL FLOW
- UNDERGROUND CULVERT
- SW SWALE / TABLE DRAIN
- YARD SUMP
- DOUBLE YARD SUMP
- RAIN GARDENS / TREATMENT
- PROPRIETARY DEVICE
- ENGINEERED WETLANDS / TREATMENT
- TERTIARY TREATMENT POND
- MILL CREEK
- RUNOFF FLOW DIRECTION

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

STORMWATER LONG SECTION

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
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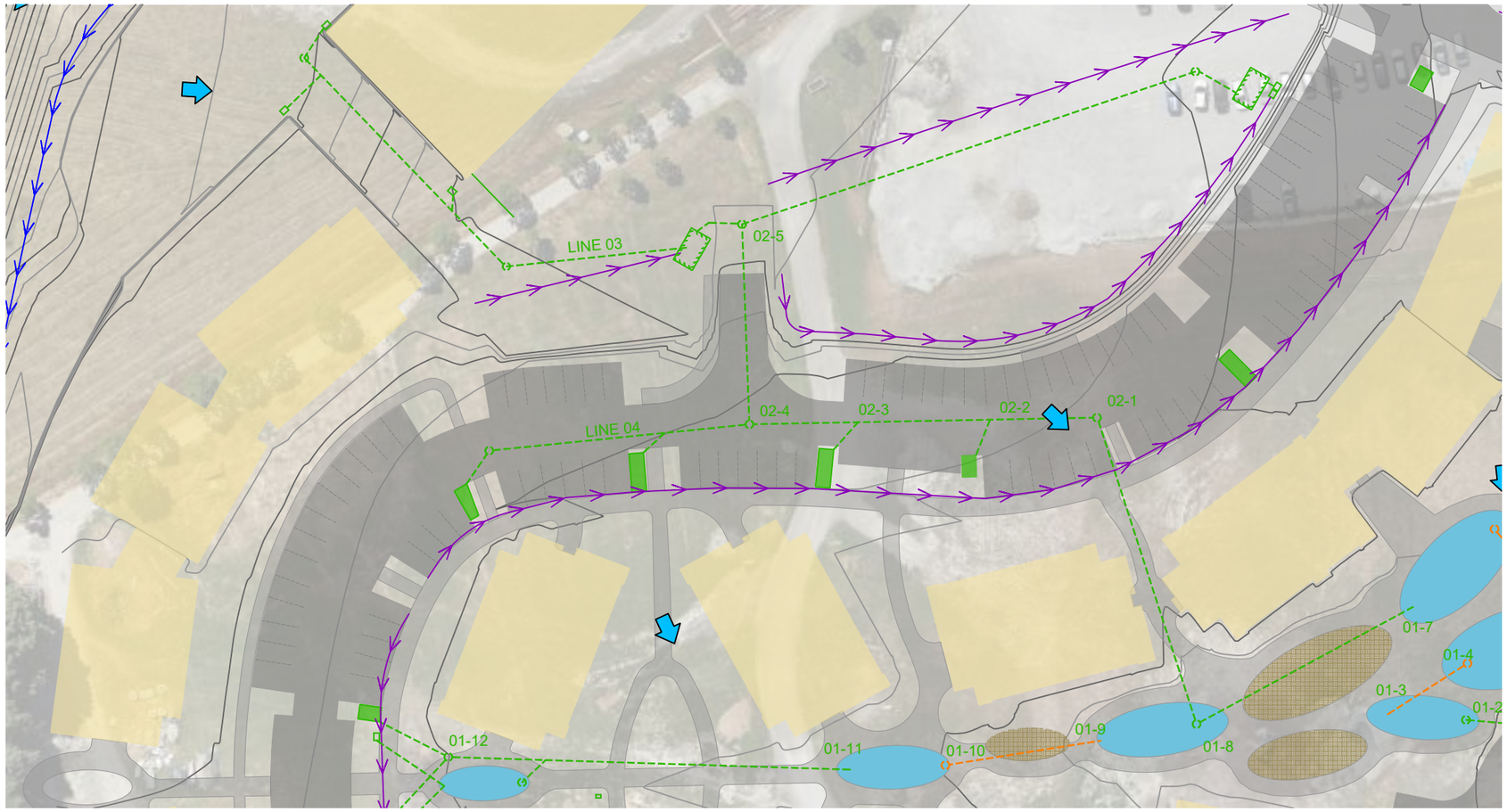
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**460**
REVISION	**B**
SCALE (A3)	**1:500**

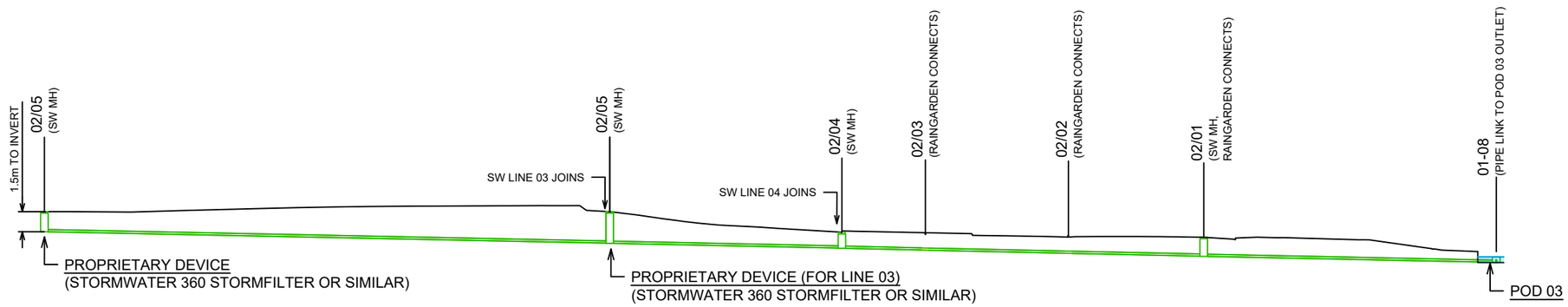


LEGEND

- LEGAL BOUNDARY
- 356.0 PROPOSED CONTOURS (1.0m INTERVAL)
- PROPOSED BUILDINGS
- PROPOSED ROADING
- SW MH & PIPE NETWORK
- SW OUTLET FROM RAIN GARDENS
- KERB / DISH CHANNEL FLOW
- UNDERGROUND CULVERT
- SW SWALE / TABLE DRAIN
- YARD SUMP
- DOUBLE YARD SUMP
- RAIN GARDENS / TREATMENT
- PROPRIETARY DEVICE
- ENGINEERED WETLANDS / TREATMENT
- TERTIARY TREATMENT POND
- MILL CREEK
- RUNOFF FLOW DIRECTION

POD WETLAND LAYOUT

SCALE 1:500



PROPRIETARY DEVICE / POD WETLAND LONG SECTION

SCALE 1:750

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

STORMWATER LONG SECTION

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
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STATUS **FOR CONSENT**

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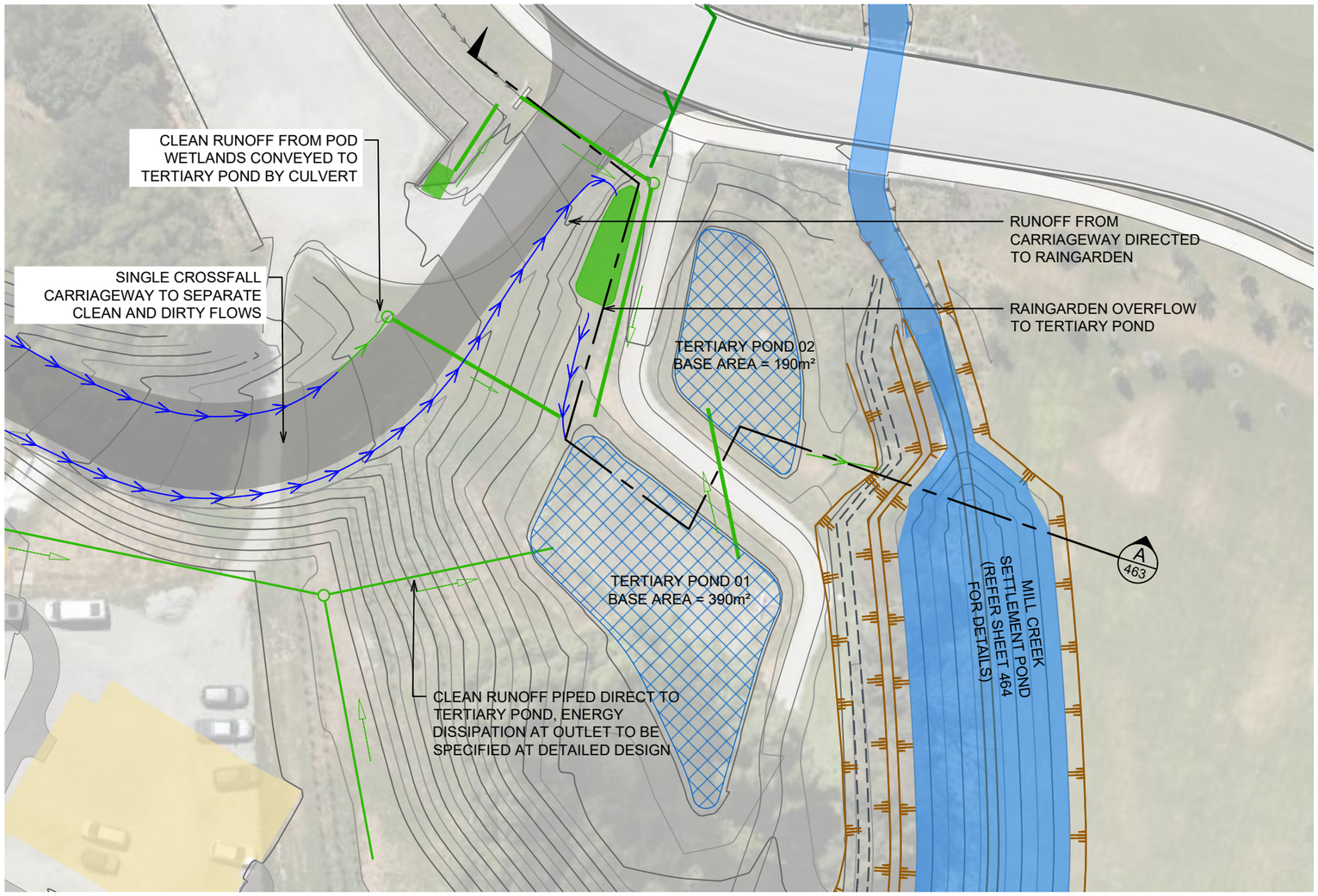
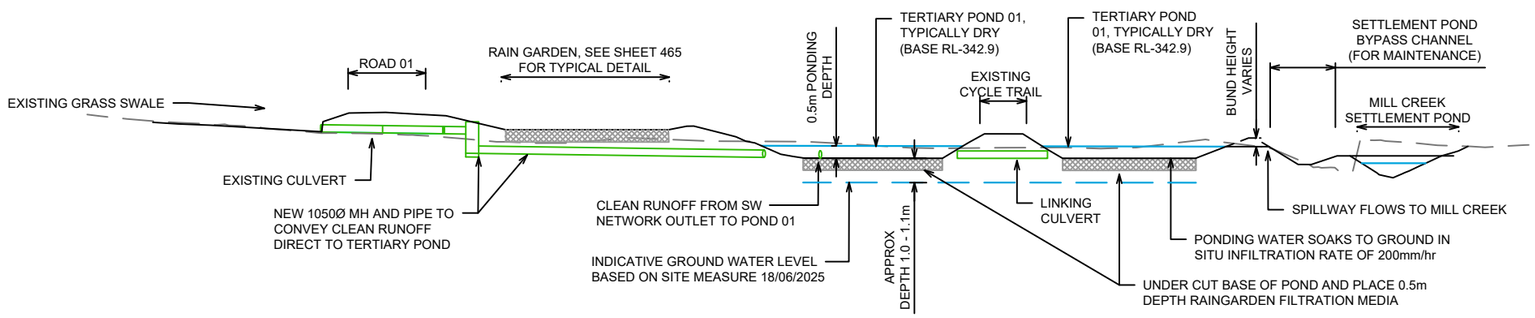
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**461**
REVISION	**B**
SCALE (A3)	**1:750**



TERTIARY POND LAYOUT

SCALE 1:500



A - TERTIARY POND LONG SECTION

SCALE 1:500

LEGEND

- LEGAL BOUNDARY
- 356.0 PROPOSED CONTOURS (1.0m INTERVAL)
- PROPOSED BUILDINGS
- PROPOSED ROADING
- SW MH & PIPE NETWORK
- SW OUTLET FROM RAIN GARDENS
- KERB / DISH CHANNEL FLOW
- UNDERGROUND CULVERT
- SW SWALE / TABLE DRAIN
- YARD SUMP
- DOUBLE YARD SUMP
- RAIN GARDENS / TREATMENT
- PROPRIETARY DEVICE
- ENGINEERED WETLANDS / TREATMENT
- TERTIARY TREATMENT POND
- MILL CREEK
- RUNOFF FLOW DIRECTION

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

STORMWATER LONG SECTION

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
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STATUS **FOR CONSENT**

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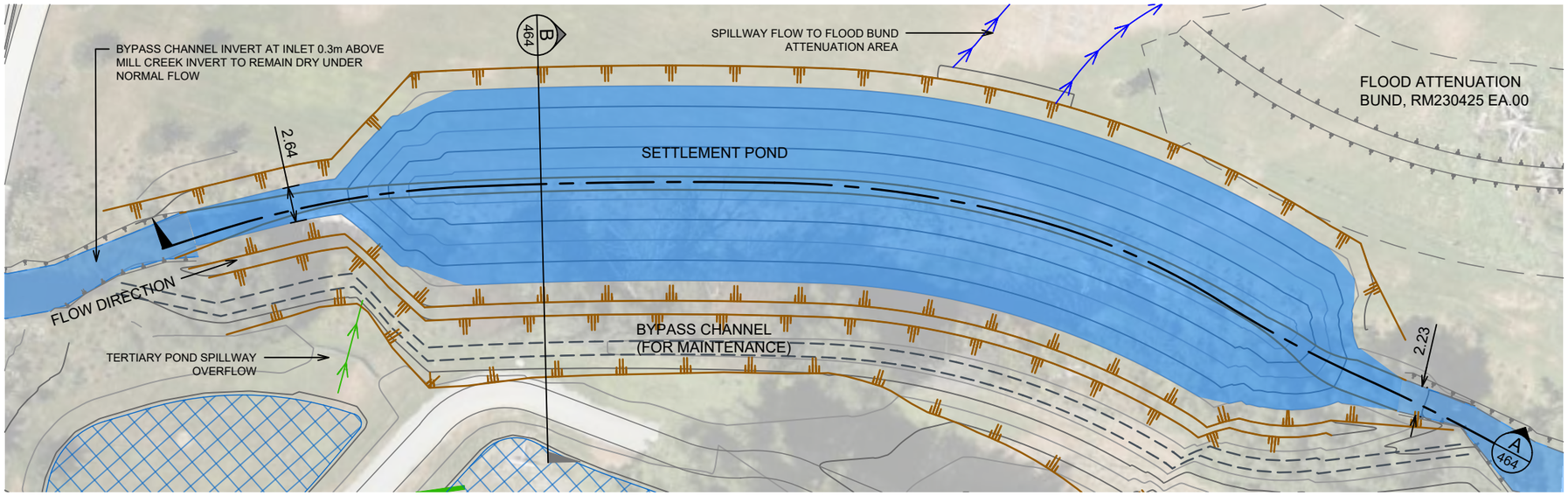
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**463**
REVISION	**B**
SCALE (A3)	**1:500**

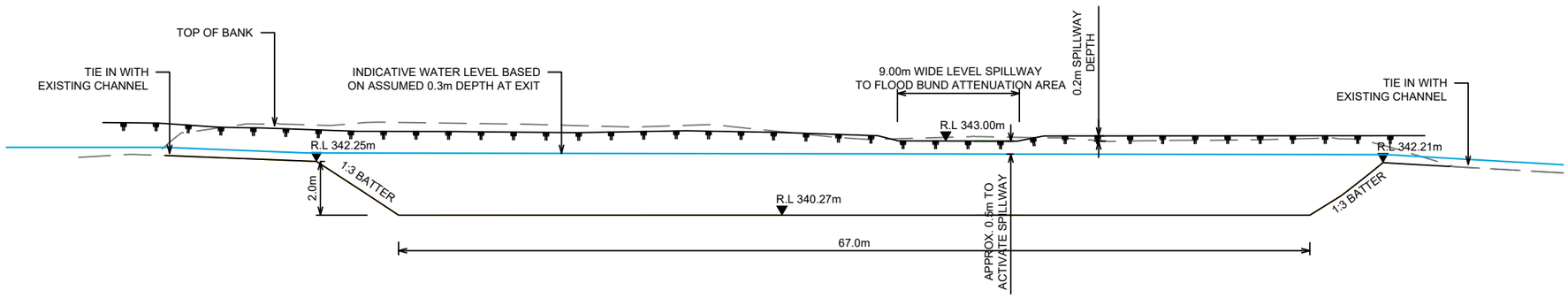


LEGEND

- LEGAL BOUNDARY
- 356.0 PROPOSED CONTOURS (1.0m INTERVAL)
- PROPOSED BUILDINGS
- PROPOSED ROADING
- SW MH & PIPE NETWORK
- SW OUTLET FROM RAIN GARDENS
- KERB / DISH CHANNEL FLOW
- UNDERGROUND CULVERT
- SW SWALE / TABLE DRAIN
- YARD SUMP
- DOUBLE YARD SUMP
- RAIN GARDENS / TREATMENT
- PROPRIETARY DEVICE
- ENGINEERED WETLANDS / TREATMENT
- TERTIARY TREATMENT POND
- MILL CREEK
- RUNOFF FLOW DIRECTION

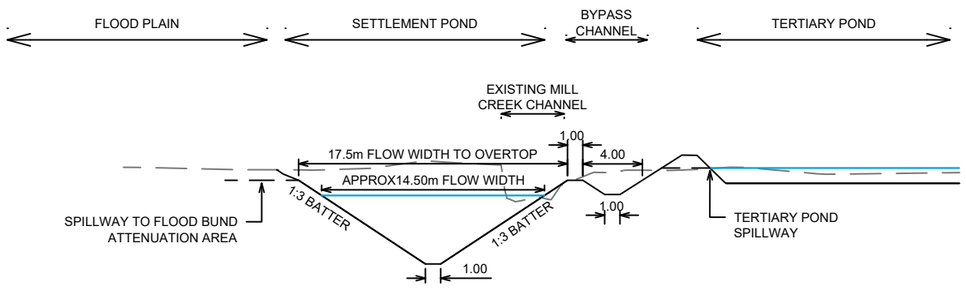
MILL CREEK SETTLEMENT POND LAYOUT

SCALE 1:400



A - MILL CREEK SETTLEMENT POND LONG SECTION

SCALE H - 1:400, V - 1:200



B - MILL CREEK SETTLEMENT POND CROSS SECTION

SCALE H - 1:400, V - 1:200

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

STORMWATER SETTLEMENT POND

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
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STATUS **FOR CONSENT**

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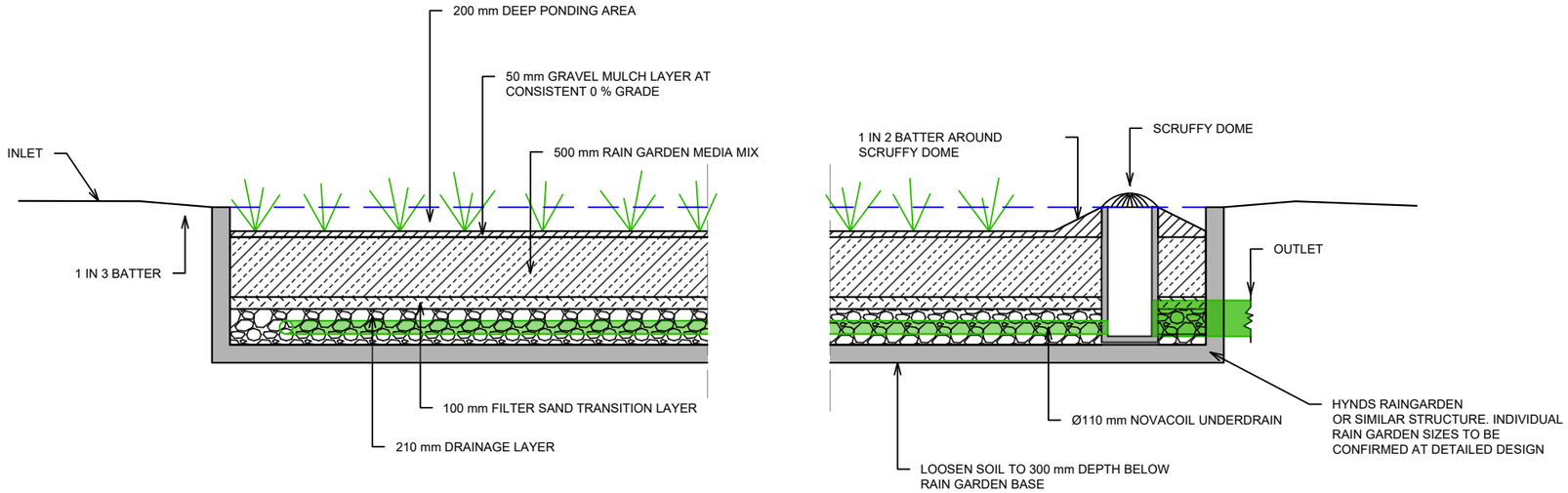
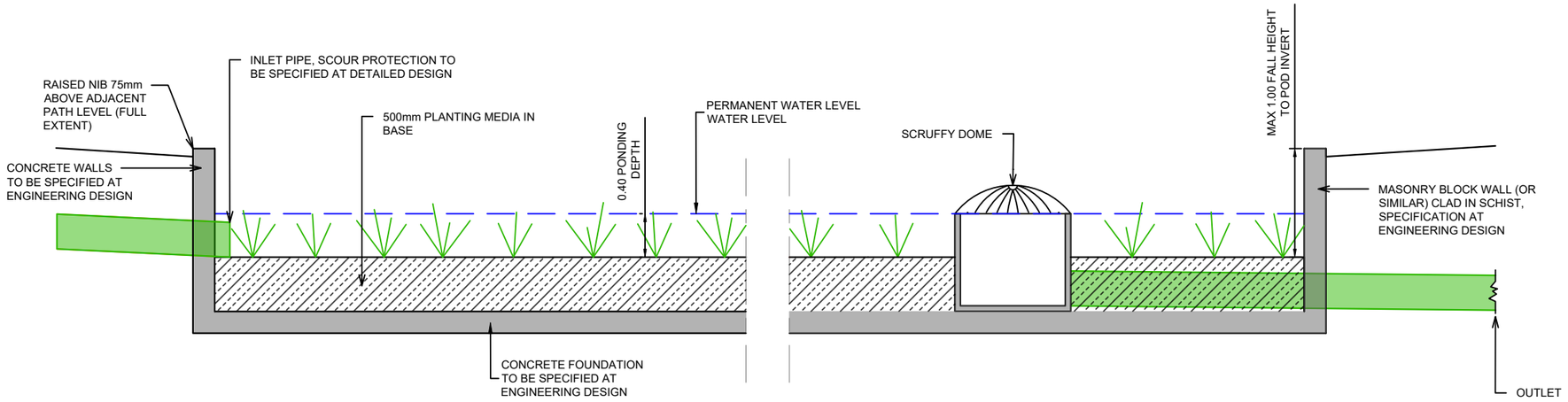
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**464**
REVISION	**B**
SCALE (A3)	**AS SHOWN**



TYPICAL SECTION - RAINGARDEN

SCALE 1:50



TYPICAL SECTION POD WETLAND

SCALE 1:50

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

STORMWATER TREATMENT TYPICAL DETAILS

SHEET 1 OF 1

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
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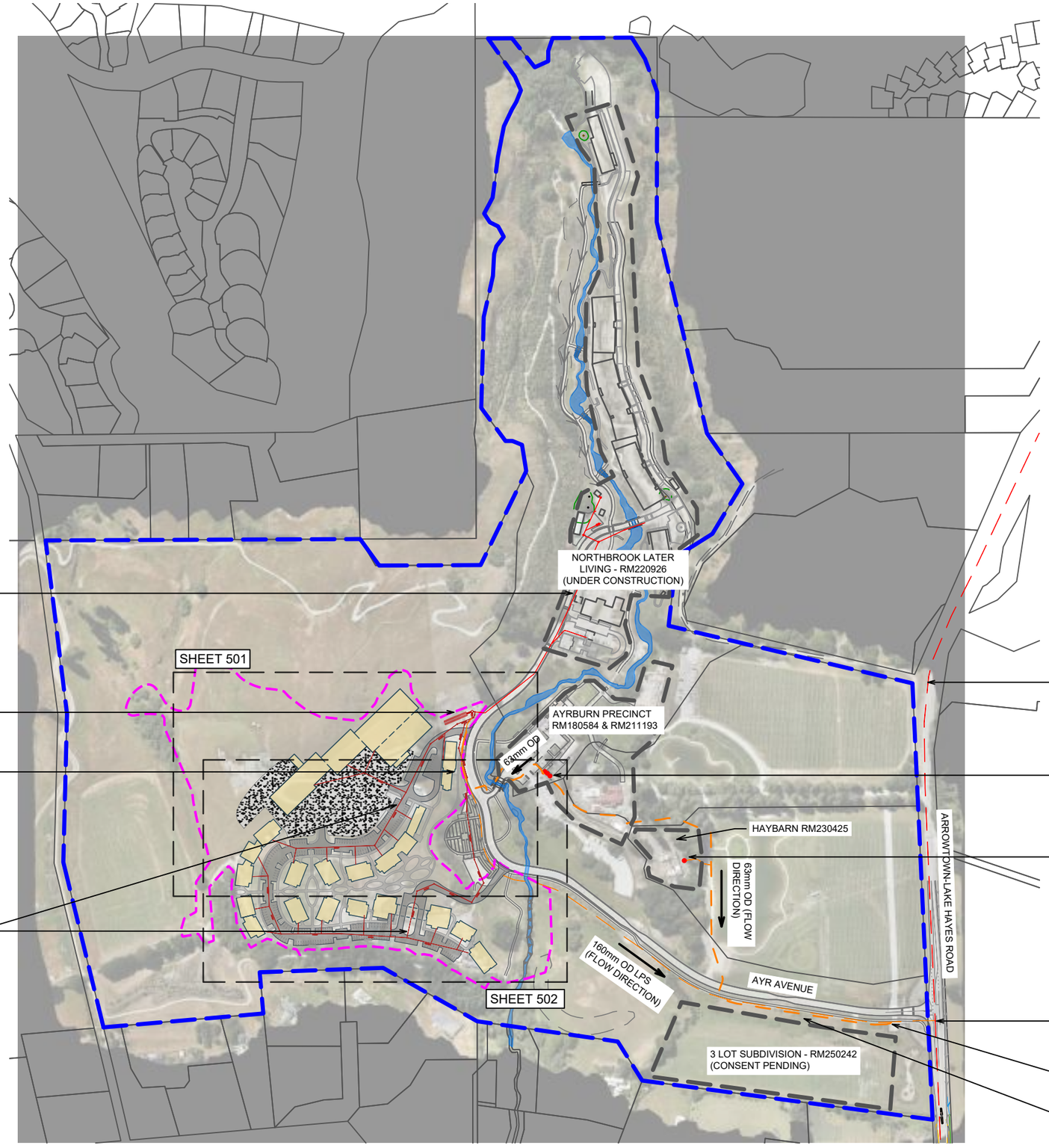
PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**465**
REVISION	**B**
SCALE (A3)	**AS SHOWN**



EXISTING DN175 GRAVITY WASTE WATER MAIN FOR CONNECTION TO NORTHBROOK DEVELOPMENT

WATERFALL PARK WW PUMP STATION APPROVED FOR EA UNDER RM180584

EXISTING 63mm OD LPS MAIN (INCOMING TO PUMP STATION)
EXISTING 160mm OD LPS RISING MAIN (OUTGOING FROM PUMP STATION)

PROPOSED GRAVITY WASTEWATER RETICULATION TO CONNECT AYRBURN FILM HUB (SUBJECT TO DETAILED DESIGN)

EXISTING PUBLIC WASTEWATER NETWORK (GRAVITY MAIN THAT OPERATES UNDER PRESSURE)

AYRBURN WW PUMP STATION APPROVED AND INSTALLED UNDER RM180584

HAYBARN WW PUMP STATION CONSENTED RM230425 (SUBJECT TO EA)

PRIVATE 160mmOD WASTEWATER RISING MAIN JOINS PUBLIC NETWORK

63mmOD RISING MAIN CONNECTS TO 160mmOD WASTEWATER RISING MAIN (PRIVATE)

63mm OD MAIN AND 160mm OD MAIN RUN PARALLEL. 3 RESIDENTIAL LOTS CONNECT INTO 63mm OD MAIN

LEGEND

- LEGAL BOUNDARY
- OVERALL WATERFALL PARK DEVELOPMENT EXTENT
- PREVIOUSLY CONSENTED DEVELOPMENT
- PROPOSED WORKS EXTENT
- EXISTING GRAVITY WASTEWATER RETICULATION
- EXISTING LOW PRESSURE SEWER (LPS) RETICULATION
- PROPOSED WASTEWATER NETWORK
- MILL CREEK

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

WASTEWATER DRAINAGE - OVERVIEW

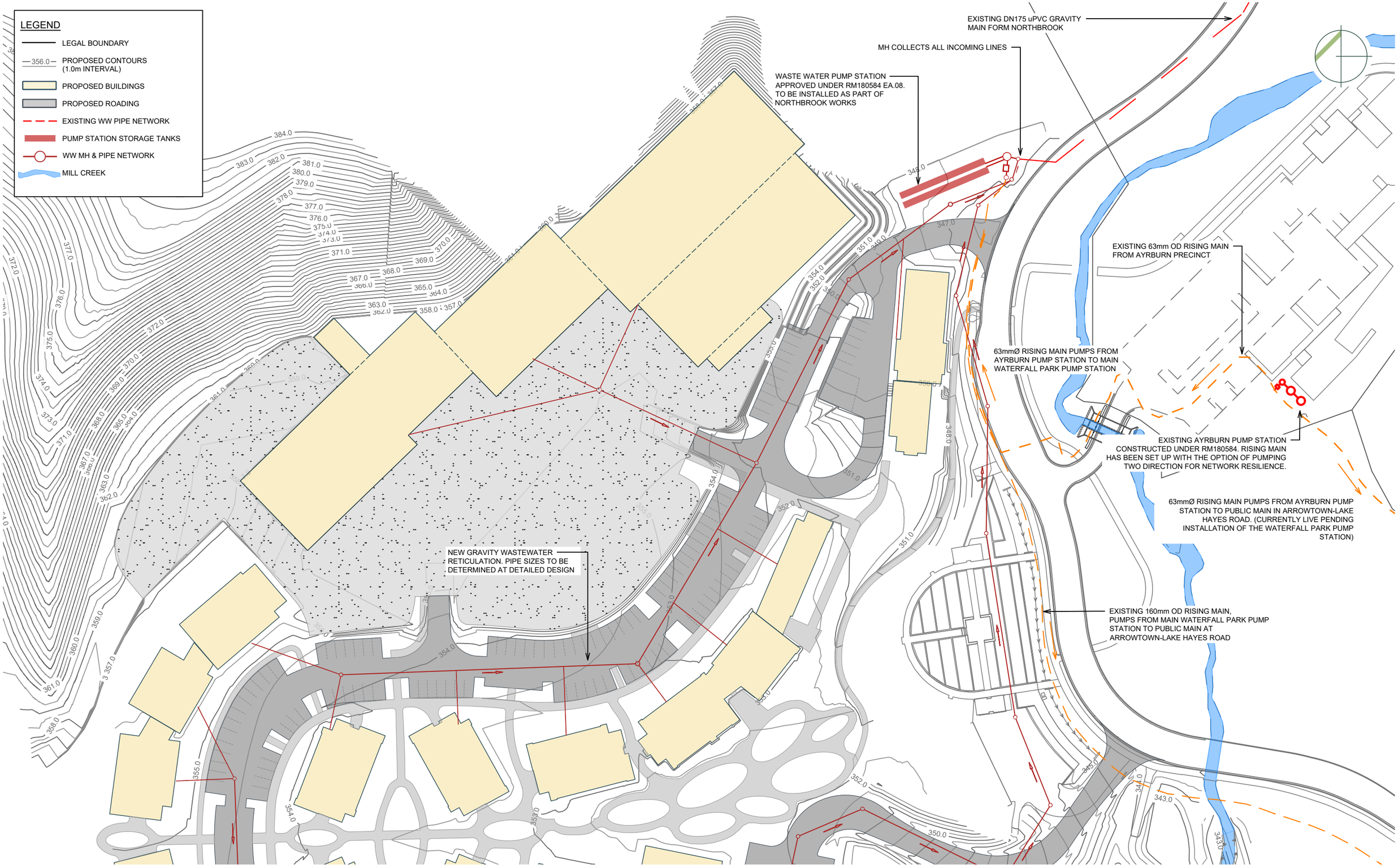
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**500**
REVISION	**B**
SCALE (A3)	**1:5000**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

WASTEWATER LAYOUT

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**501**
REVISION	**B**
SCALE (A3)	**1:1000**

LEGEND

- LEGAL BOUNDARY
- PROPOSED CONTOURS (1.0m INTERVAL)
- PROPOSED BUILDINGS
- PROPOSED ROADING
- EXISTING WW PIPE NETWORK
- PUMP STATION STORAGE TANKS
- WW MH & PIPE NETWORK
- MILL CREEK

63mmØ RISING MAIN PUMPS FROM AYRBURN PUMP STATION TO MAIN WATERFALL PARK PUMP STATION

EXISTING AYRBURN PUMP STATION CONSTRUCTED UNDER RM180584. RISING MAIN HAS BEEN SET UP WITH THE OPTION OF PUMPING TWO DIRECTION FOR NETWORK RESILIENCE.

63mmØ RISING MAIN PUMPS FROM AYRBURN PUMP STATION TO PUBLIC MAIN IN ARROWTOWN-LAKE HAYES ROAD. (CURRENTLY LIVE PENDING INSTALLATION OF THE WATERFALL PARK PUMP STATION)

NEW GRAVITY WASTEWATER RETICULATION. PIPE SIZES TO BE DETERMINED AT DETAILED DESIGN

EXISTING 160mm OD RISING MAIN, PUMPS FROM MAIN WATERFALL PARK PUMP STATION TO PUBLIC MAIN AT ARROWTOWN-LAKE HAYES ROAD

NEW GRAVITY WASTEWATER RETICULATION. PIPE SIZES TO BE DETERMINED AT DETAILED DESIGN

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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

WASTEWATER LAYOUT

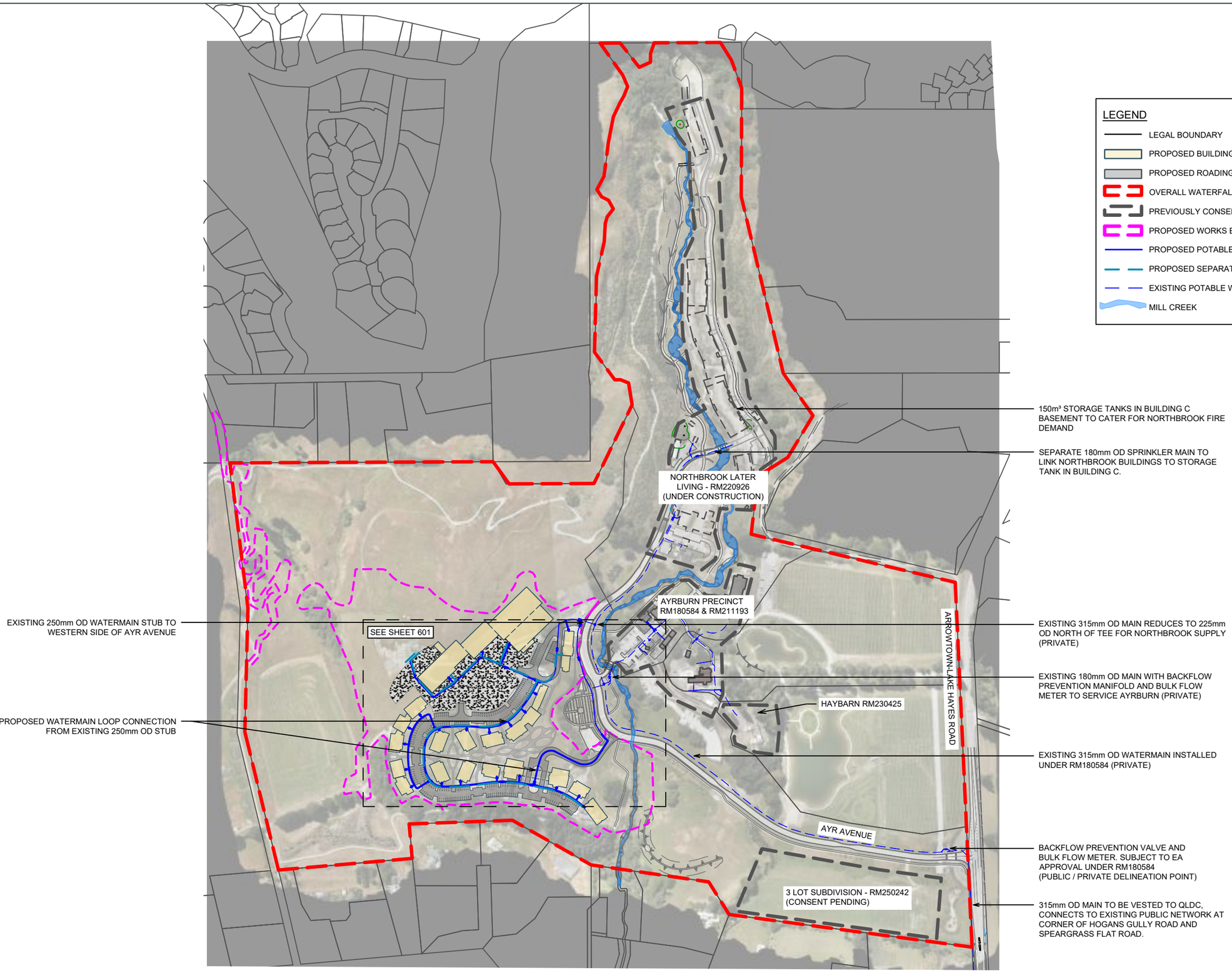
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**502**
REVISION	**B**
SCALE (A3)	**1:1000**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

WATER RETICULATION - OVERVIEW

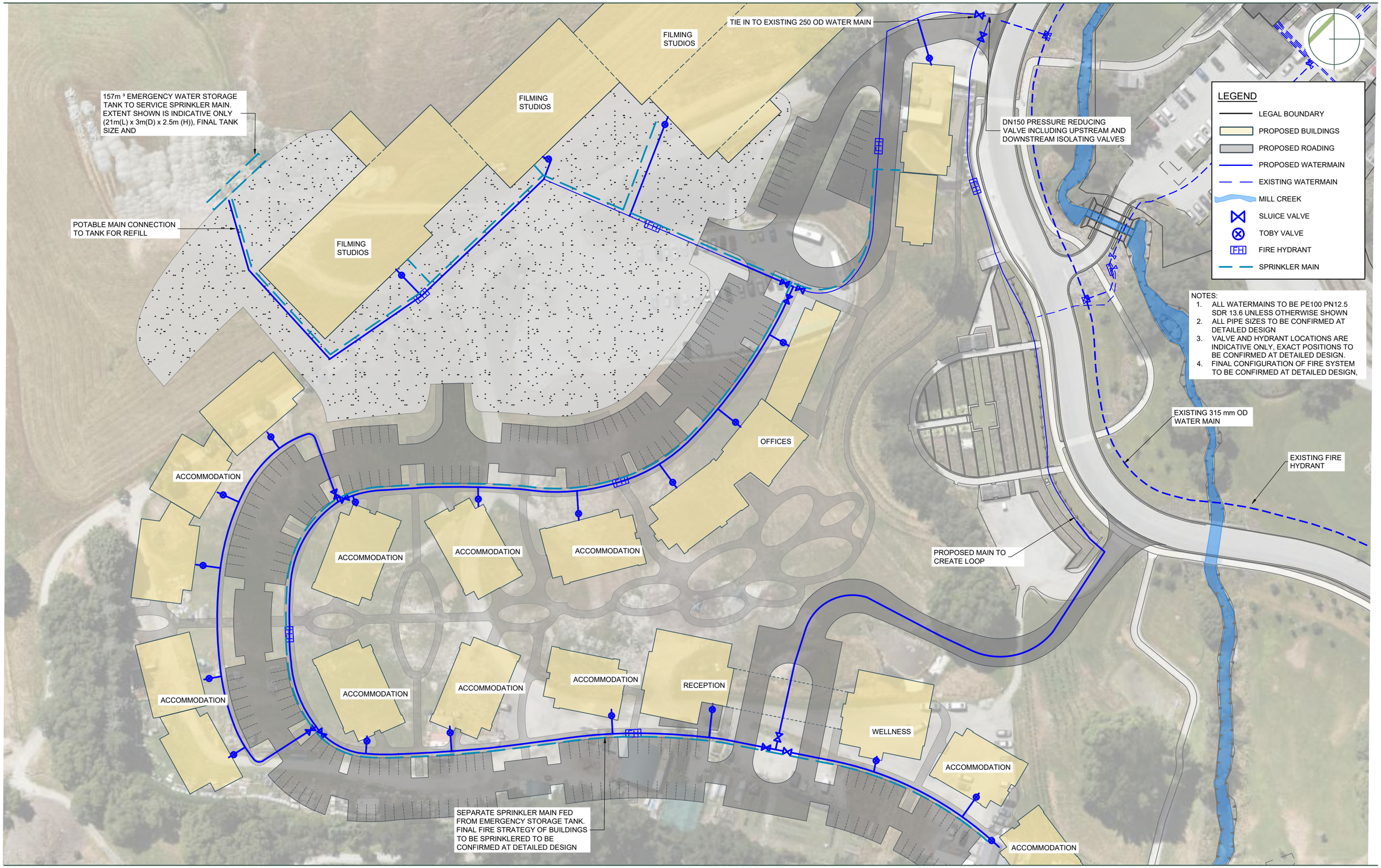
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**600**
REVISION	**B**
SCALE (A3)	**1:5000**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

WATER RETICULATION LAYOUT

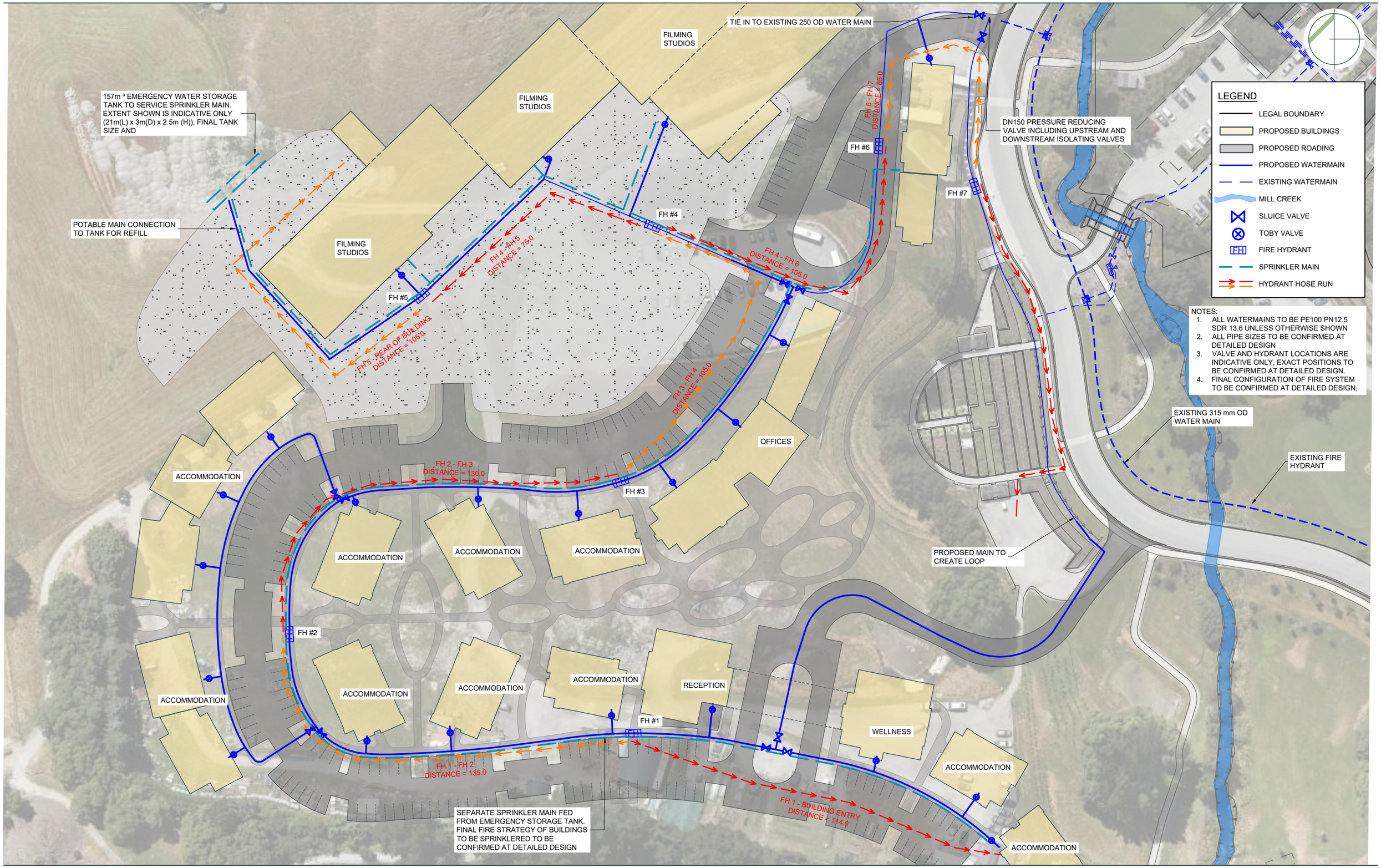
DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**601**
REVISION	**B**
SCALE (A3)	**1:1000**



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WINTON BEST BY DESIGN

DRAWING TITLE

AYRBURN SCREEN HUB - LOT 4 DP 540788

CONSENT DRAWINGS

FIRE HYDRANT LAYOUT

DATUM INFORMATION	
COORDINATE SYSTEM	NZGD2000
	MOUNT NICHOLAS CIRCUIT
DATUM	DUNEHT1958
ORIGIN OF COORDINATES	IT X DP 23038
ORIGIN OF LEVELS	IT X DP 23038 : 358.566m

REV	DRAWN	DATE	NOTE
A	AH	29.11.2024	-
B	SB	18.07.2025	SUBSTANTIVE APPLICATION

STATUS **FOR CONSENT**

SURVEYED	PAT	05.09.2024
DESIGNED	AH	06.11.2024
DRAWN	AH	29.11.2024
REVIEWED	SP	18.07.2025
APPROVED	SP	18.07.2025

PROJECT	**P240664**
DRAWING NO	**001**
SHEET	**610**
REVISION	**B**
SCALE (A3)	**1:1000**