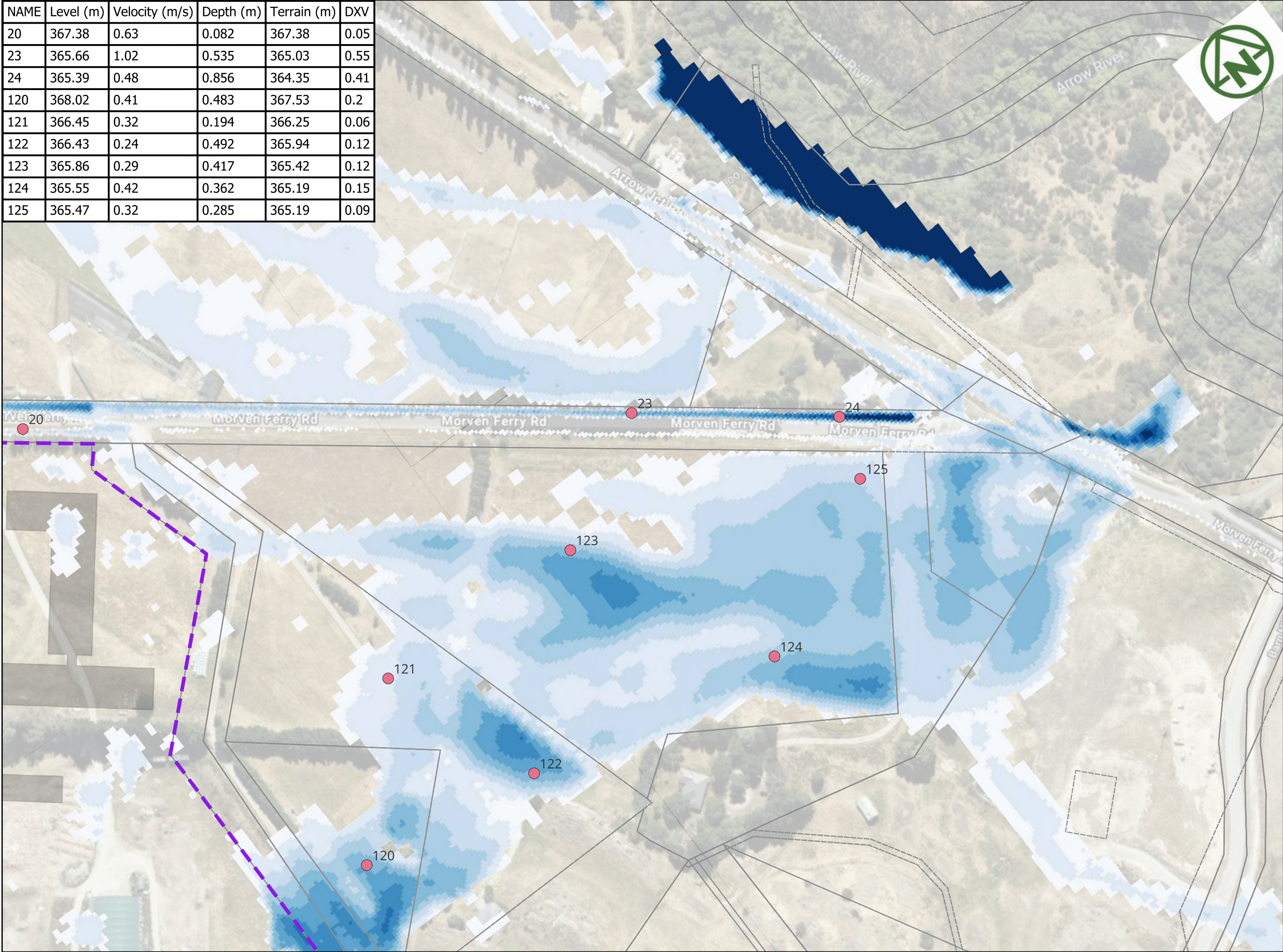


NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
20	367.38	0.63	0.082	367.38	0.05
23	365.66	1.02	0.535	365.03	0.55
24	365.39	0.48	0.856	364.35	0.41
120	368.02	0.41	0.483	367.53	0.2
121	366.45	0.32	0.194	366.25	0.06
122	366.43	0.24	0.492	365.94	0.12
123	365.86	0.29	0.417	365.42	0.12
124	365.55	0.42	0.362	365.19	0.15
125	365.47	0.32	0.285	365.19	0.09



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4622

REV:
A

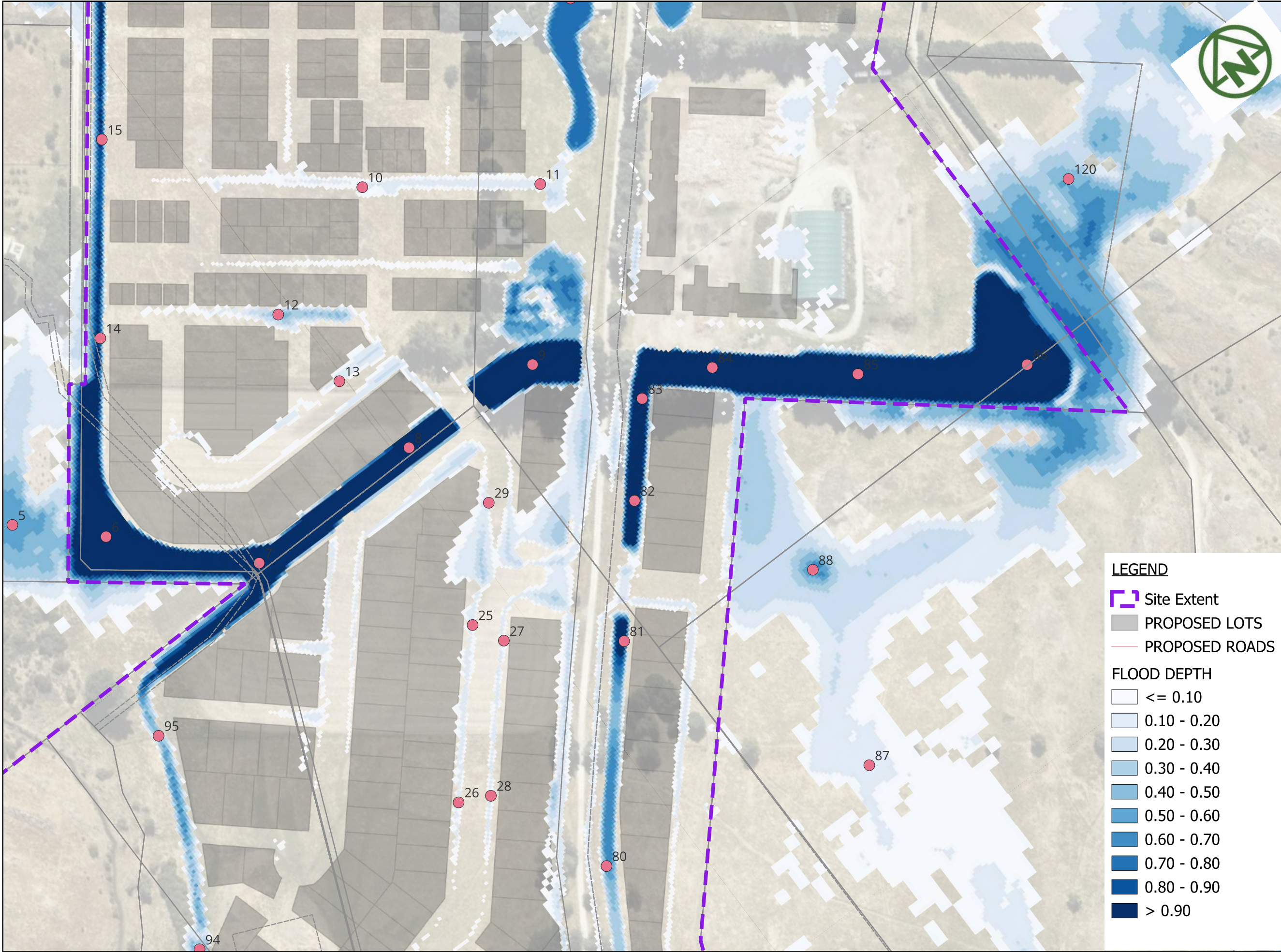
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026



RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP
POST-DEVELOPMENT EXTENT
SHEET 2



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
5	368.43	0.37	0.569	367.86	0.21
6	368.39	0.23	1.251	367.14	0.28
7	368.34	0.54	1.418	366.92	0.77
8	368.3	0.74	2.449	365.85	1.81
9	368.23	0.42	3.149	365.08	1.32
10	369.3	0.29	0.142	369.15	0.04
11	368.94	0.65	0.13	368.79	0.08
12	369.44	0.03	0.39	368.96	0.01
13	369.41	0.19	0.094	369.27	0.02
14	368.45	0.54	0.94	367.43	0.51
15	368.72	0.67	0.635	367.73	0.43
25	369.59	0.64	0.125	369.43	0.08
26	370.45	0.53	0.123	370.27	0.07
27	369.63	0.65	0.086	369.58	0.06
28	370.38	0.77	0.132	370.16	0.1
29	369.2	0.05	0.084	369.12	0
80	369.62	1.04	0.525	369	0.54
81	368.61	0.74	1.092	367.5	0.8
82	368.19	0.52	1.378	366.81	0.72
83	368.18	0.87	1.47	366.71	1.28
84	368.17	0.33	3.674	364.5	1.21
85	368.17	0.3	3.668	364.5	1.11
86	368.17	0.11	3.666	364.5	0.4
87	368.93	0.44	0.131	368.79	0.06
88	368.19	0.13	0.574	367.42	0.08
94	375.51	1.28	0.488	375.02	0.63
95	369.34	2.13	0.457	368.75	0.97
120	368.02	0.41	0.483	367.53	0.2
122	366.43	0.24	0.492	365.94	0.12

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4623

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



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RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP
PRE-DEVELOPMENT EXTENT
SHEET 3



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
26	370.45	0.53	0.123	370.27	0.07
28	370.38	0.77	0.132	370.16	0.1
31	394.1	0.69	0.215	393.86	0.15
32	394.68	0.72	0.193	394.36	0.14
33	399.65	0.06	0.314	399.3	0.02
34	399.65	1.1	0.143	399.4	0.16
35	418.33	0.15	0.316	417.95	0.05
36	418.33	0.09	0.229	418.1	0.02
37	414.2	0.45	0.229	413.94	0.1
39	414.54	0.72	0.191	414.23	0.14
79	375.13	1.45	0.356	374.78	0.52
80	369.62	1.04	0.525	369	0.54
89	412.02	0.26	2.816	409.2	0.73
90	412.02	0.22	2.816	409.2	0.63
91	409.86	1.14	0.351	409.45	0.4
92	404.1	1.81	0.159	403.82	0.29
92	396.36	2.01	0.145	396.4	0.29
93	385.33	1.33	0.189	385.66	0.25
94	375.51	1.28	0.488	375.02	0.63
108	381.99	0.12	3.992	378	0.5
30	391.71	0.03	0.851	390.81	0.03

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:

NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



RIDGEBURN LTD

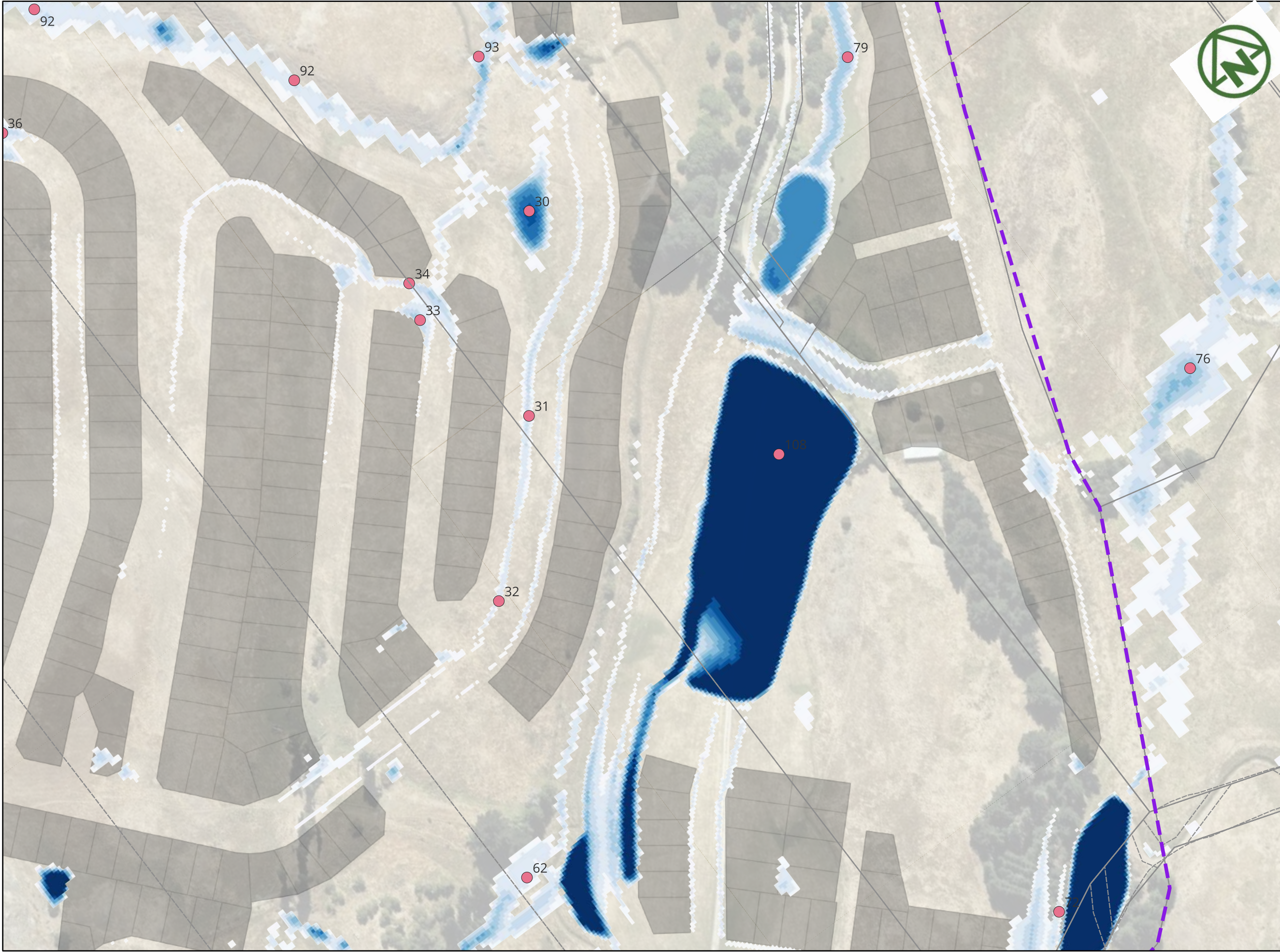
RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP
POST-DEVELOPMENT EXTENT
SHEET 4

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4624
REV: A



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
31	394.1	0.69	0.215	393.86	0.15
32	394.68	0.72	0.193	394.36	0.14
33	399.65	0.06	0.314	399.3	0.02
34	399.65	1.1	0.143	399.4	0.16
62	388.2	1.53	0.144	388.03	0.22
72	383.39	0.25	0.137	383.24	0.03
76	375.67	0.2	0.45	375.06	0.09
78	373.6	0.59	0.239	373.22	0.14
79	375.13	1.45	0.356	374.78	0.52
92	404.1	1.81	0.159	403.82	0.29
92	396.36	2.01	0.145	396.4	0.29
93	385.33	1.33	0.189	385.66	0.25
108	381.99	0.12	3.992	378	0.5
30	391.71	0.03	0.851	390.81	0.03

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4625
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ			



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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP
POST-DEVELOPMENT EXTENT
SHEET 5

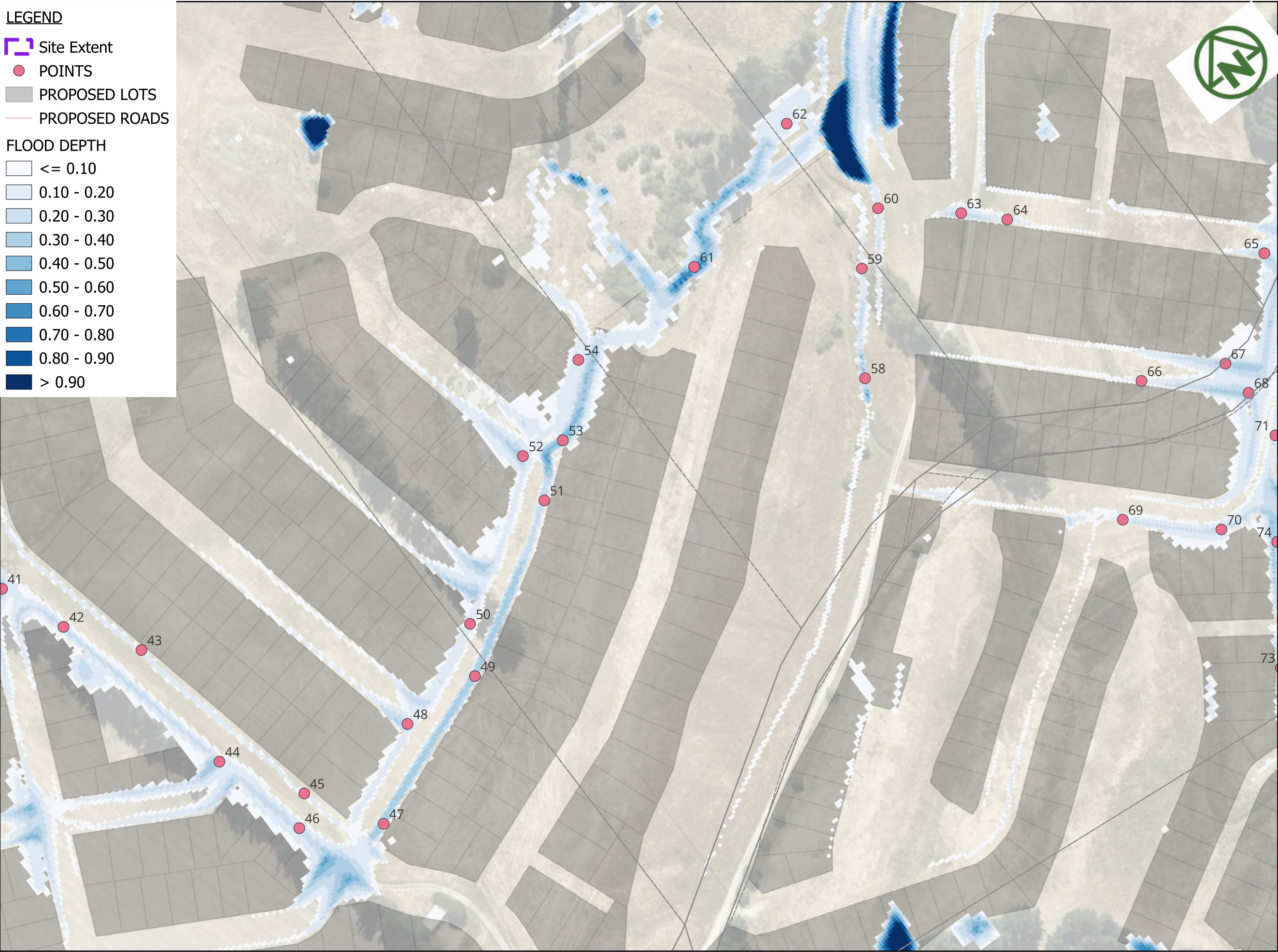
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LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	412.14	0.1	0.302	411.75	0.03
42	411.97	0.78	0.179	411.67	0.14
43	411.71	0.54	0.138	411.64	0.07
44	411.47	0.76	0.252	411.23	0.19
45	410.73	0.99	0.126	410.51	0.13
46	410.74	1.5	0.241	410.32	0.36
47	409.92	1.46	0.385	409.53	0.56
48	409.53	0.5	0.294	409.24	0.15
49	409.08	1.42	0.387	408.69	0.55
50	408.98	1.06	0.187	408.68	0.2
51	406.93	2.38	0.245	406.67	0.58
52	406.76	0.56	0.306	406.5	0.17
53	406.54	1.17	0.493	406.05	0.57
54	405.84	1.48	0.187	405.6	0.28
58	386.02	0.51	0.335	385.33	0.17
59	385.85	0.33	0.143	385.44	0.05
60	384.35	0.83	0.145	384.09	0.12
61	394.39	1.91	0.395	393.65	0.75
62	388.2	1.53	0.144	388.03	0.22
63	383.73	0.03	0.291	383.42	0.01
66	383.9	0.39	0.142	383.67	0.05
65	383.6	0.27	0.213	383.37	0.06
67	383.9	0.11	0.324	383.48	0.03
68	383.9	0.39	0.287	383.63	0.11
69	384.45	1.18	0.155	384.18	0.18
70	384.23	0.55	0.207	383.95	0.11
71	383.99	0.75	0.197	383.77	0.15
74	384.17	0.16	0.299	383.88	0.05
64	383.73	0.1	0.145	383.54	0.01

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4626

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE



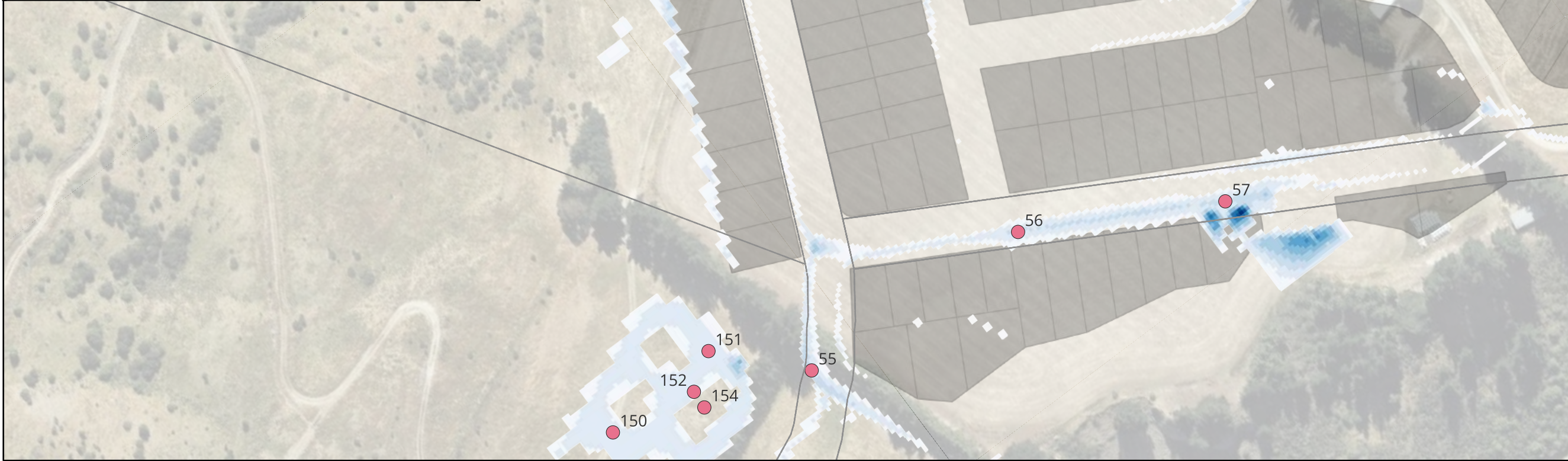
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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP
POST-DEVELOPMENT EXTENT
SHEET 6

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	412.14	0.1	0.302	411.75	0.03
42	411.97	0.78	0.179	411.67	0.14
43	411.71	0.54	0.138	411.64	0.07
44	411.47	0.76	0.252	411.23	0.19
45	410.73	0.99	0.126	410.51	0.13
46	410.74	1.5	0.241	410.32	0.36
47	409.92	1.46	0.385	409.53	0.56
48	409.53	0.5	0.294	409.24	0.15
49	409.08	1.42	0.387	408.69	0.55
50	408.98	1.06	0.187	408.68	0.2
51	406.93	2.38	0.245	406.67	0.58
52	406.76	0.56	0.306	406.5	0.17
53	406.54	1.17	0.493	406.05	0.57
54	405.84	1.48	0.187	405.6	0.28
55	421.03	0.67	0.252	420.74	0.17
56	417.04	0.81	0.201	416.79	0.16
57	416.63	0.69	0.218	416.31	0.15
96	416.39	0.88	0.331	416.66	0.29
97	416.75	0.73	0.259	416.73	0.19
150	425.17	0.16	0.145	425	0.02
151	425.17	0.18	0.151	425	0.03
152	426.11	0.05	0.104	425	0.01
154	NULL	NULL	NULL	430	NULL



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK 09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP BY DATE
PLOT DATE ----				



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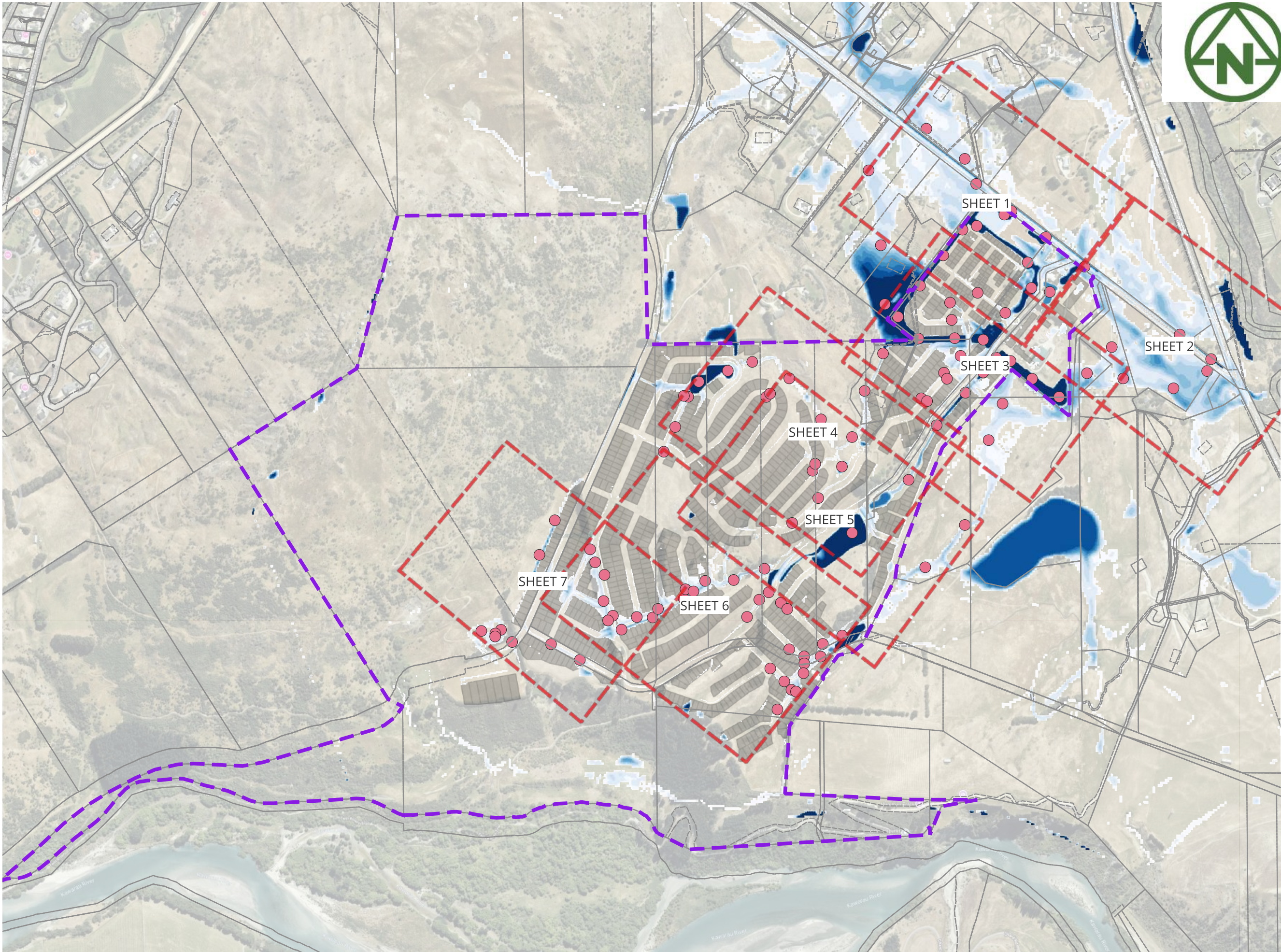
RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP
POST-DEVELOPMENT EXTENT
SHEET 7

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4627
REV: A



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4630

REV:
A

A		FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE	
PLOT DATE	-----					WWW.MCKENZIEANDCO.CO.NZ

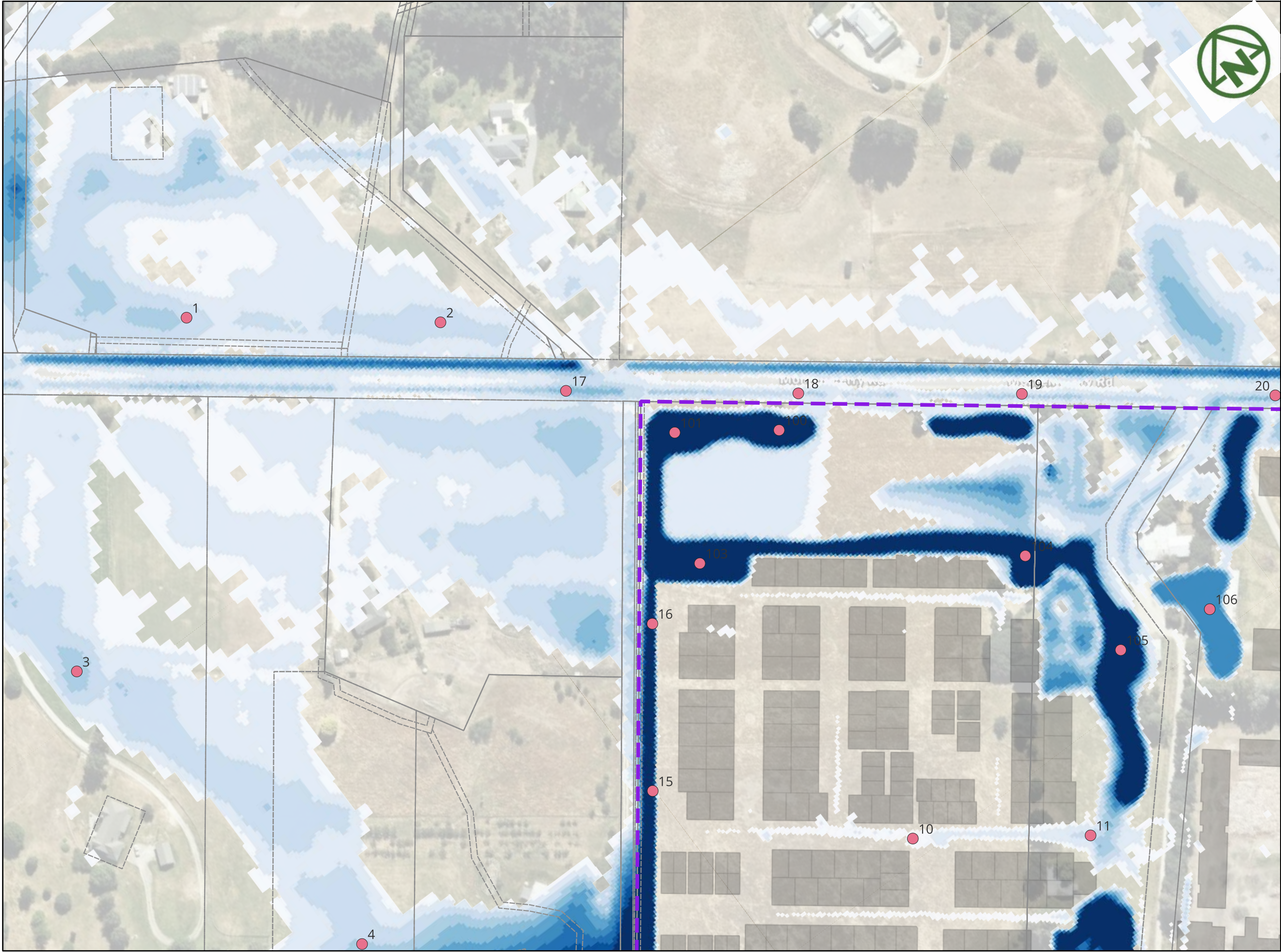


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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT
OVERALL



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.97	0.66	0.286	371.67	0.19
2	370.76	0.55	0.234	370.53	0.13
3	371.09	0.55	0.349	370.74	0.19
4	369.42	0.65	0.31	369.06	0.2
10	369.3	0.27	0.135	369.15	0.04
11	369.05	0.62	0.24	368.79	0.15
15	369.41	0.47	1.261	367.73	0.6
16	369.38	0.54	1.35	367.98	0.73
17	370.24	0.83	0.444	369.59	0.37
18	369.31	1.09	0.306	368.84	0.33
19	368.65	1.19	0.293	368.38	0.35
20	367.61	1.38	0.301	367.38	0.41
100	369.31	0.04	1.647	367.66	0.06
101	369.31	0.07	1.647	367.66	0.11
103	369.31	0.24	1.642	367.66	0.4
104	369.06	0.25	1.392	367.66	0.34
105	369.05	0.02	1.382	367.66	0.03
106	368.3	0.05	0.633	367.66	0.03

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		

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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 1

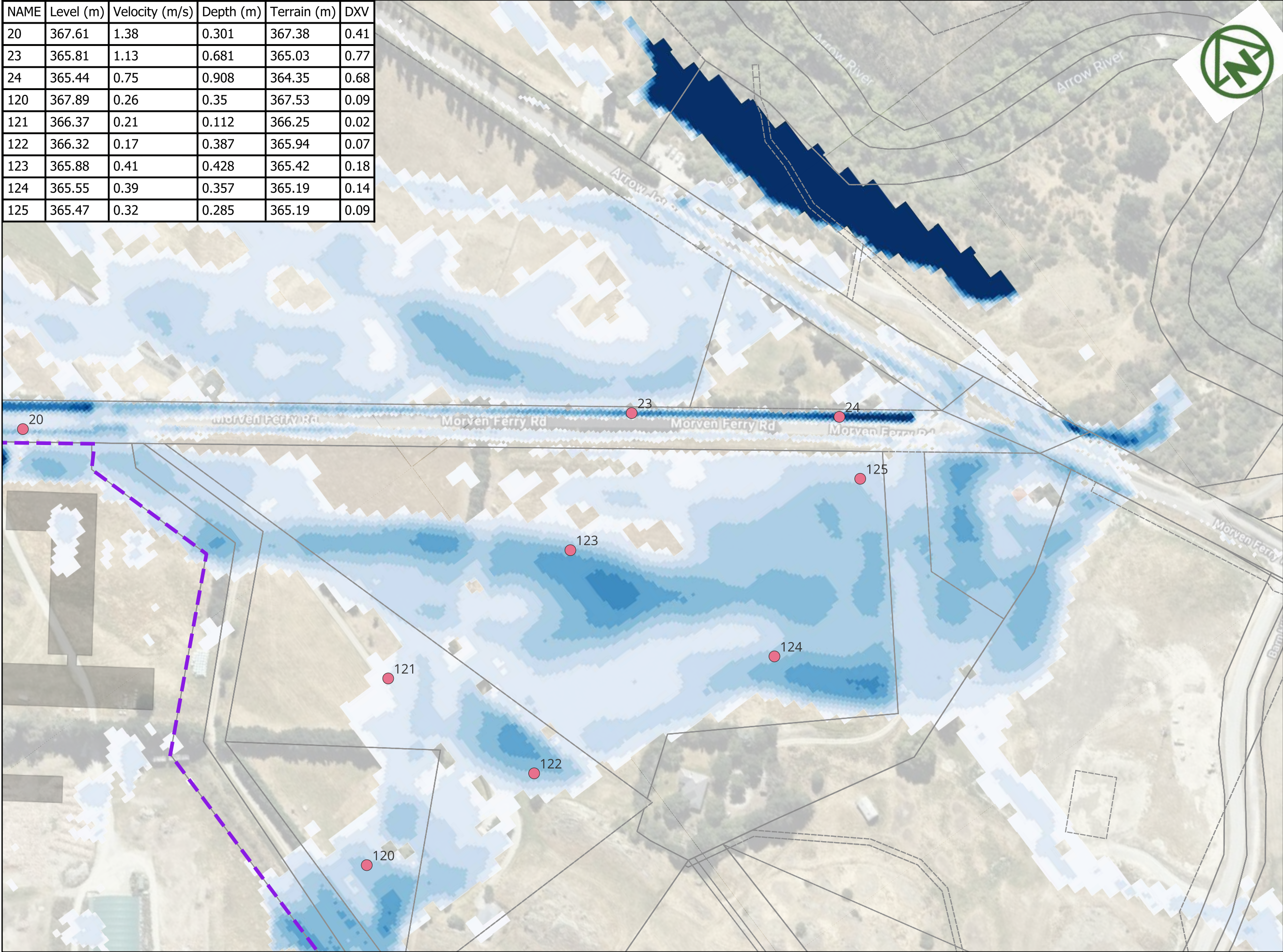
PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4631

REV:
A

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
20	367.61	1.38	0.301	367.38	0.41
23	365.81	1.13	0.681	365.03	0.77
24	365.44	0.75	0.908	364.35	0.68
120	367.89	0.26	0.35	367.53	0.09
121	366.37	0.21	0.112	366.25	0.02
122	366.32	0.17	0.387	365.94	0.07
123	365.88	0.41	0.428	365.42	0.18
124	365.55	0.39	0.357	365.19	0.14
125	365.47	0.32	0.285	365.19	0.09



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4632
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE

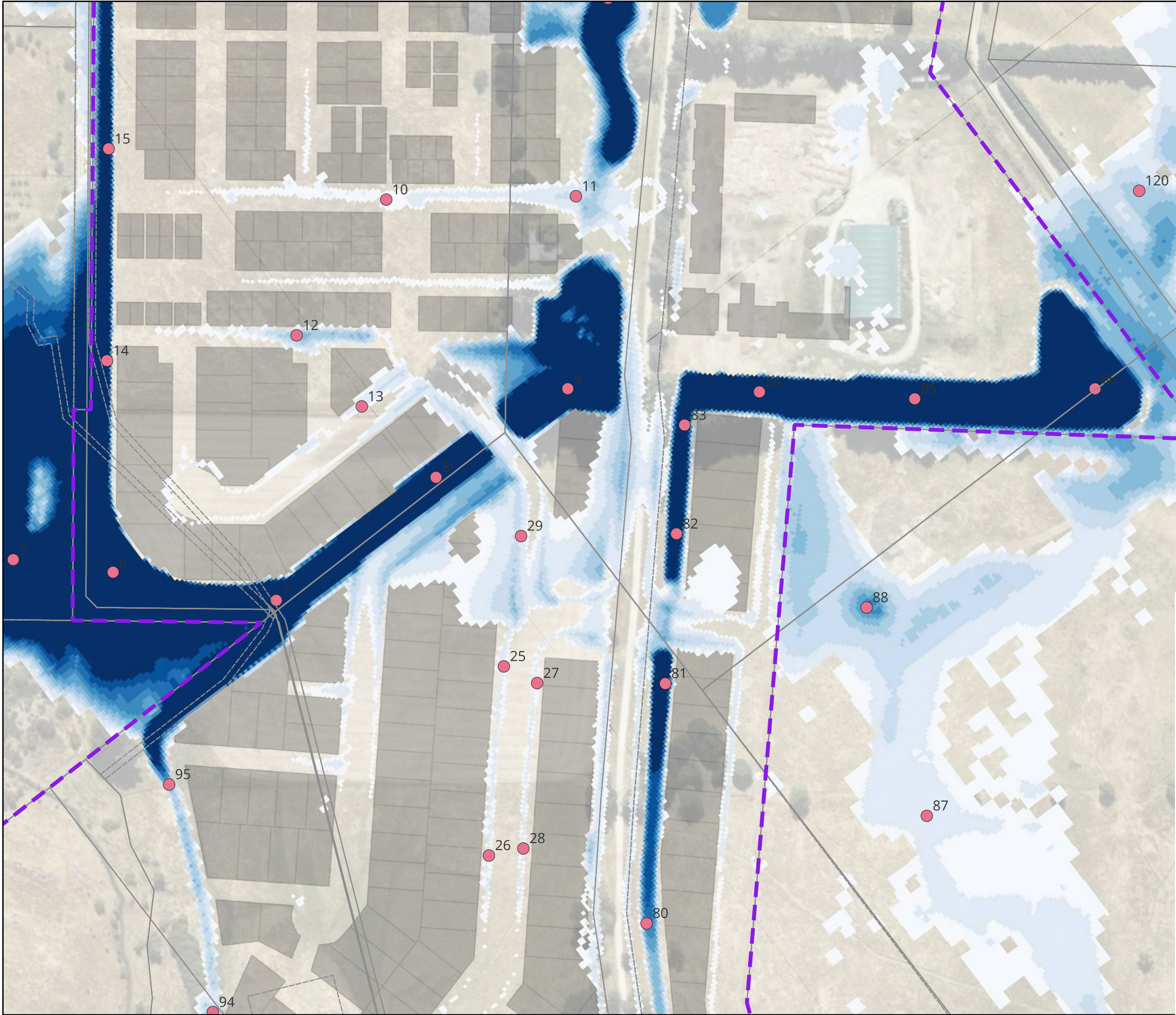


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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 2



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
5	369.41	0.07	1.551	367.86	0.11
6	369.41	0.05	2.271	367.14	0.11
7	369.41	0.14	2.488	366.92	0.35
8	369.41	0.07	3.56	365.85	0.25
9	369.01	0.05	3.929	365.08	0.21
10	369.3	0.27	0.135	369.15	0.04
11	369.05	0.62	0.24	368.79	0.15
12	369.44	0.03	0.389	368.96	0.01
13	369.41	0.16	0.098	369.27	0.02
14	369.41	0.16	1.903	367.43	0.31
15	369.41	0.47	1.261	367.73	0.6
25	369.59	0.62	0.118	369.43	0.07
26	370.44	0.52	0.117	370.27	0.06
27	369.62	0.6	0.076	369.58	0.05
28	370.37	0.72	0.123	370.16	0.09
29	369.3	0.64	0.186	369.12	0.12
80	369.74	1.13	0.638	369	0.72
81	369.43	0.36	1.909	367.5	0.69
82	368.07	0.78	1.252	366.81	0.97
83	368.02	0.95	1.309	366.71	1.24
84	368.01	0.12	3.515	364.5	0.44
85	368.01	0.13	3.514	364.5	0.46
86	368.01	0.06	3.513	364.5	0.2
87	368.95	0.48	0.15	368.79	0.07
88	368.22	0.14	0.6	367.42	0.08
94	375.36	0.94	0.344	375.02	0.32
95	369.41	1.71	0.527	368.75	0.9
120	367.89	0.26	0.35	367.53	0.09
122	366.32	0.17	0.387	365.94	0.07

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4633
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE

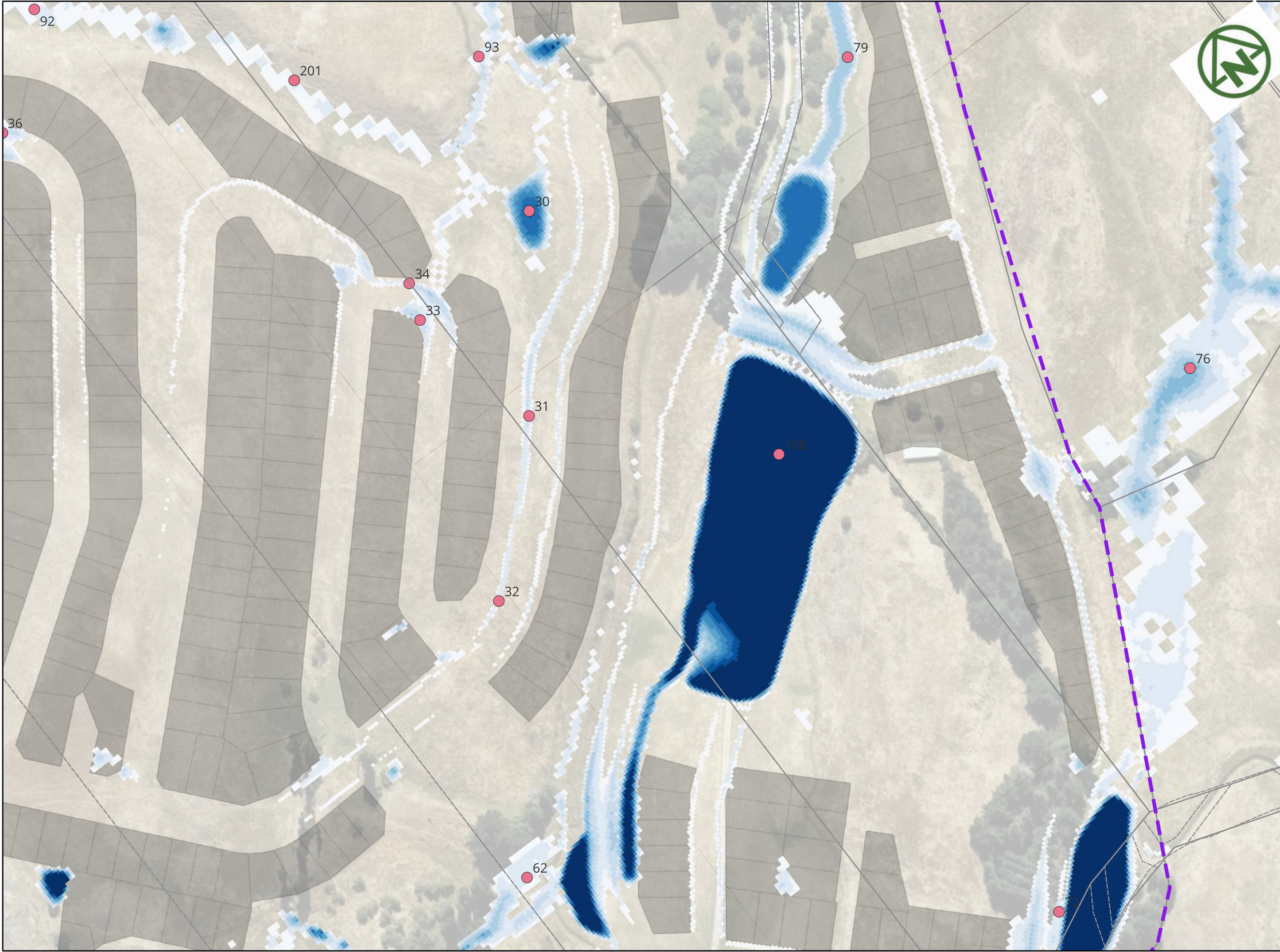


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 3



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
31	394.09	0.67	0.204	393.86	0.14
32	394.67	0.69	0.182	394.36	0.13
33	399.64	0.06	0.303	399.3	0.02
34	399.64	1.04	0.133	399.4	0.14
62	388.2	1.48	0.139	388.03	0.21
72	383.39	0.19	0.135	383.24	0.03
76	375.71	0.29	0.492	375.06	0.14
78	373.68	0.65	0.291	373.22	0.19
79	375.17	1.55	0.394	374.78	0.61
92	404.03	1.17	0.109	403.82	0.13
201	396.25	1.45	0.097	396.4	0.14
93	385.09	1.1	0.088	385.66	0.1
108	382.04	0.12	4.035	378	0.5
30	391.68	0.03	0.823	390.81	0.02

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS
- POINTS

- FLOOD DEPTH
- <= 0.10
 - 0.10 - 0.20
 - 0.20 - 0.30
 - 0.30 - 0.40
 - 0.40 - 0.50
 - 0.50 - 0.60
 - 0.60 - 0.70
 - 0.70 - 0.80
 - 0.80 - 0.90
 - > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4635
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ			

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STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 5

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LEGEND

Site Extent

POINTS

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

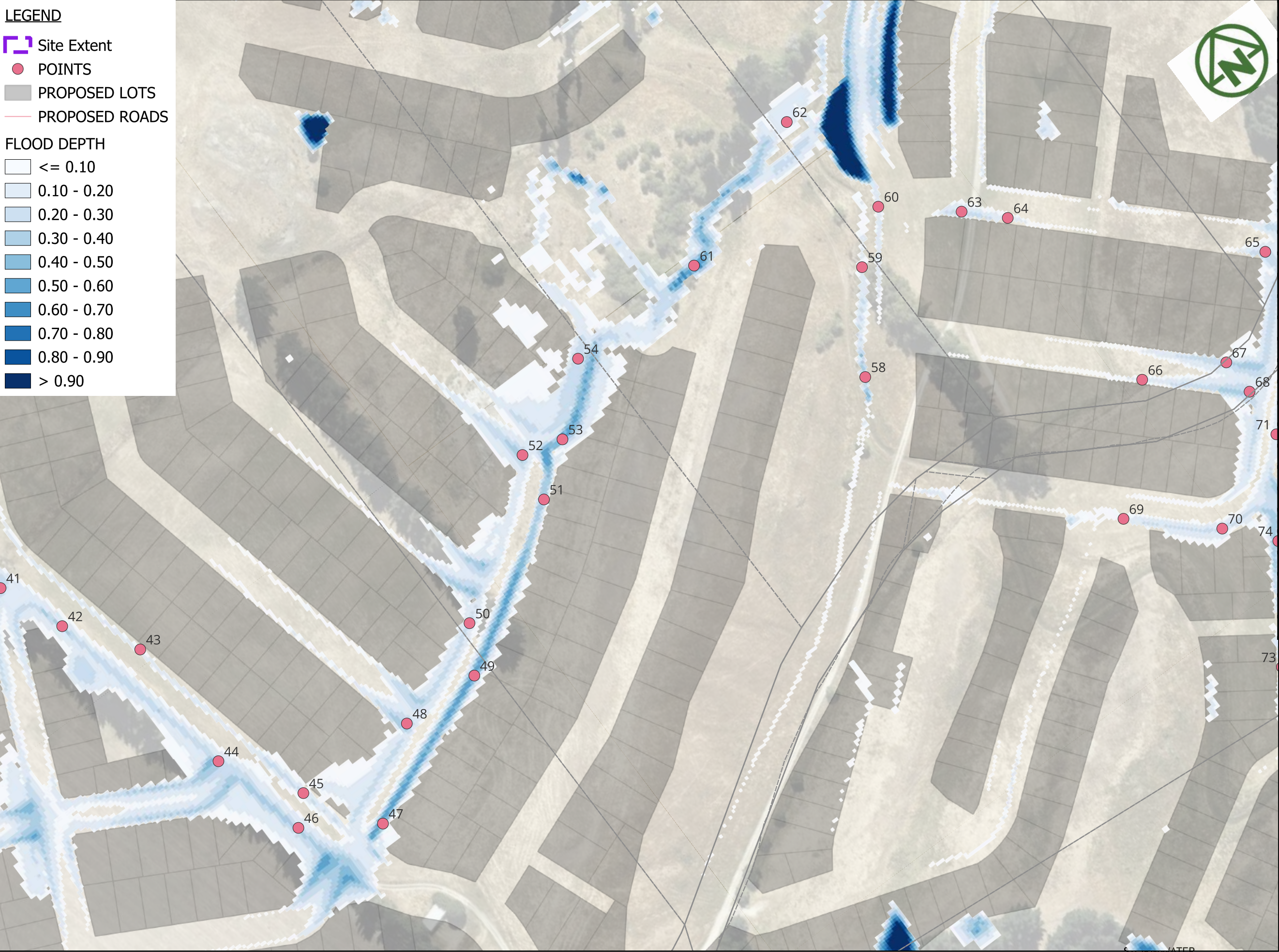
0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	412.16	0.15	0.328	411.75	0.05
42	412.02	0.88	0.224	411.67	0.2
43	411.7	0.51	0.126	411.64	0.06
44	411.55	0.69	0.331	411.23	0.23
45	410.82	1.38	0.21	410.51	0.29
46	410.8	1.73	0.298	410.32	0.52
47	410.05	1.54	0.515	409.53	0.8
48	409.58	0.79	0.347	409.24	0.27
49	409.22	1.66	0.523	408.69	0.87
50	409.01	1.2	0.218	408.68	0.26
51	407.04	2.88	0.348	406.67	1
52	406.77	0.7	0.314	406.5	0.22
53	406.6	1.33	0.549	406.05	0.73
54	405.92	1.77	0.261	405.6	0.46
58	385.98	0.5	0.31	385.33	0.16
59	385.84	0.32	0.136	385.44	0.04
60	384.34	0.8	0.135	384.09	0.11
61	394.36	1.79	0.366	393.65	0.65
62	388.2	1.48	0.139	388.03	0.21
63	383.72	0.03	0.288	383.42	0.01
66	383.89	0.36	0.126	383.67	0.05
65	383.59	0.25	0.203	383.37	0.05
67	383.88	0.1	0.305	383.48	0.03
68	383.88	0.37	0.269	383.63	0.1
69	384.44	1.13	0.143	384.18	0.16
70	384.22	0.53	0.198	383.95	0.1
71	383.98	0.75	0.191	383.77	0.14
74	384.16	0.15	0.289	383.88	0.04
64	383.72	0.09	0.141	383.54	0.01

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4636
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE

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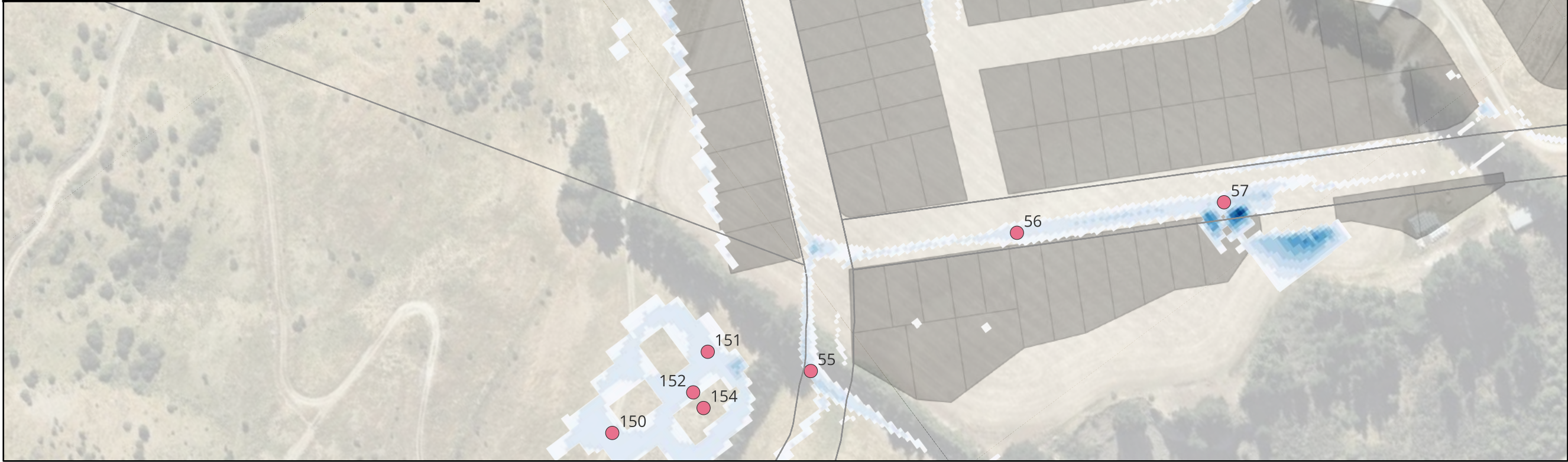
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QUEENSTOWN

FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT

SHEET 6

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	412.16	0.15	0.328	411.75	0.05
42	412.02	0.88	0.224	411.67	0.2
43	411.7	0.51	0.126	411.64	0.06
44	411.55	0.69	0.331	411.23	0.23
45	410.82	1.38	0.21	410.51	0.29
46	410.8	1.73	0.298	410.32	0.52
47	410.05	1.54	0.515	409.53	0.8
48	409.58	0.79	0.347	409.24	0.27
49	409.22	1.66	0.523	408.69	0.87
50	409.01	1.2	0.218	408.68	0.26
51	407.04	2.88	0.348	406.67	1
52	406.77	0.7	0.314	406.5	0.22
53	406.6	1.33	0.549	406.05	0.73
54	405.92	1.77	0.261	405.6	0.46
55	421.02	0.64	0.239	420.74	0.15
56	417.02	0.76	0.185	416.79	0.14
57	416.62	0.63	0.209	416.31	0.13
96	416.35	0.83	0.304	416.66	0.25
97	416.7	0.71	0.23	416.73	0.16
150	425.15	0.15	0.131	425	0.02
151	425.15	0.16	0.136	425	0.02
152	426.1	0.05	0.093	425	0
154	NULL	NULL	NULL	430	NULL



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4637 REV: A

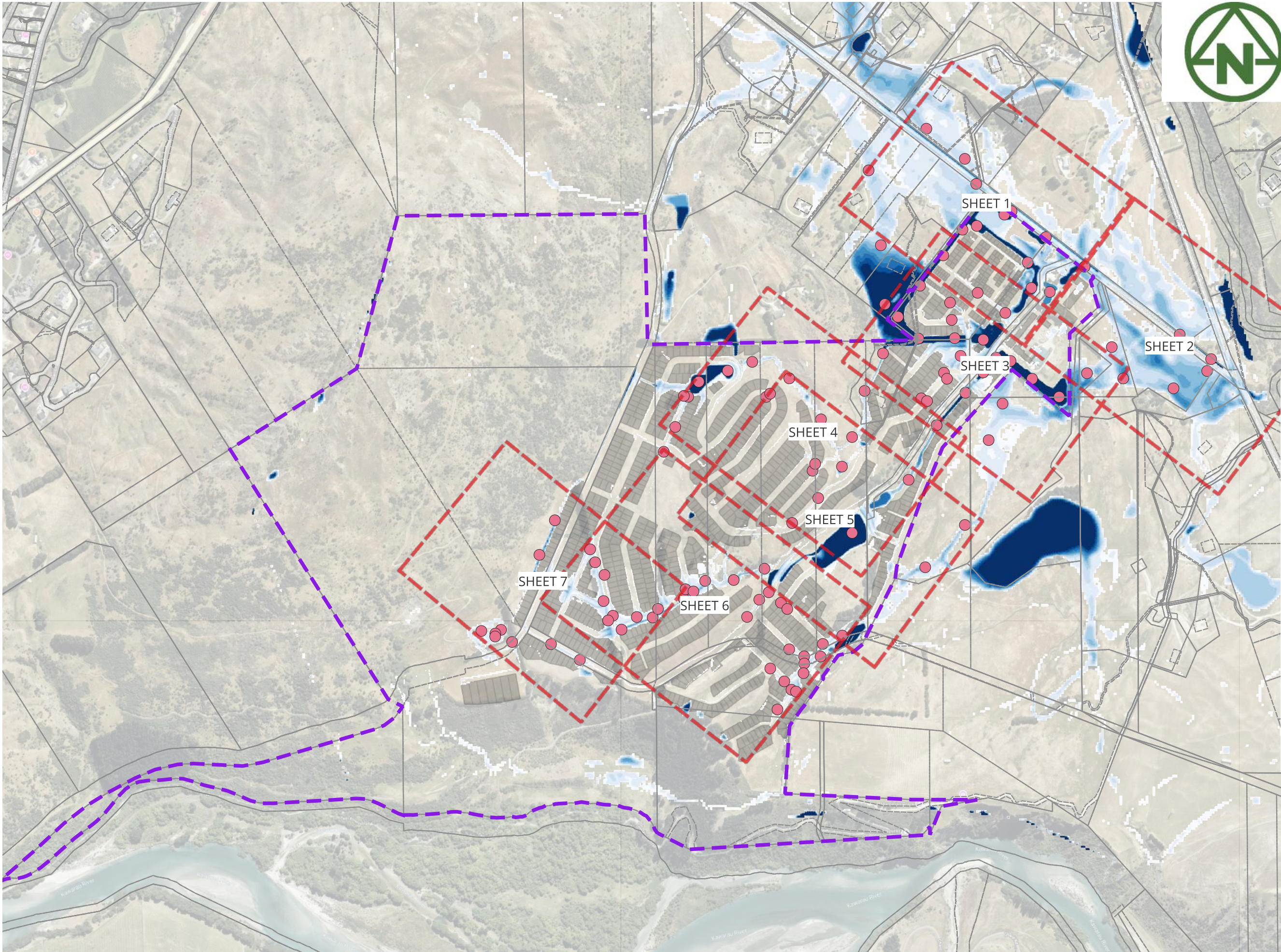
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 7



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4640

REV:
A

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026

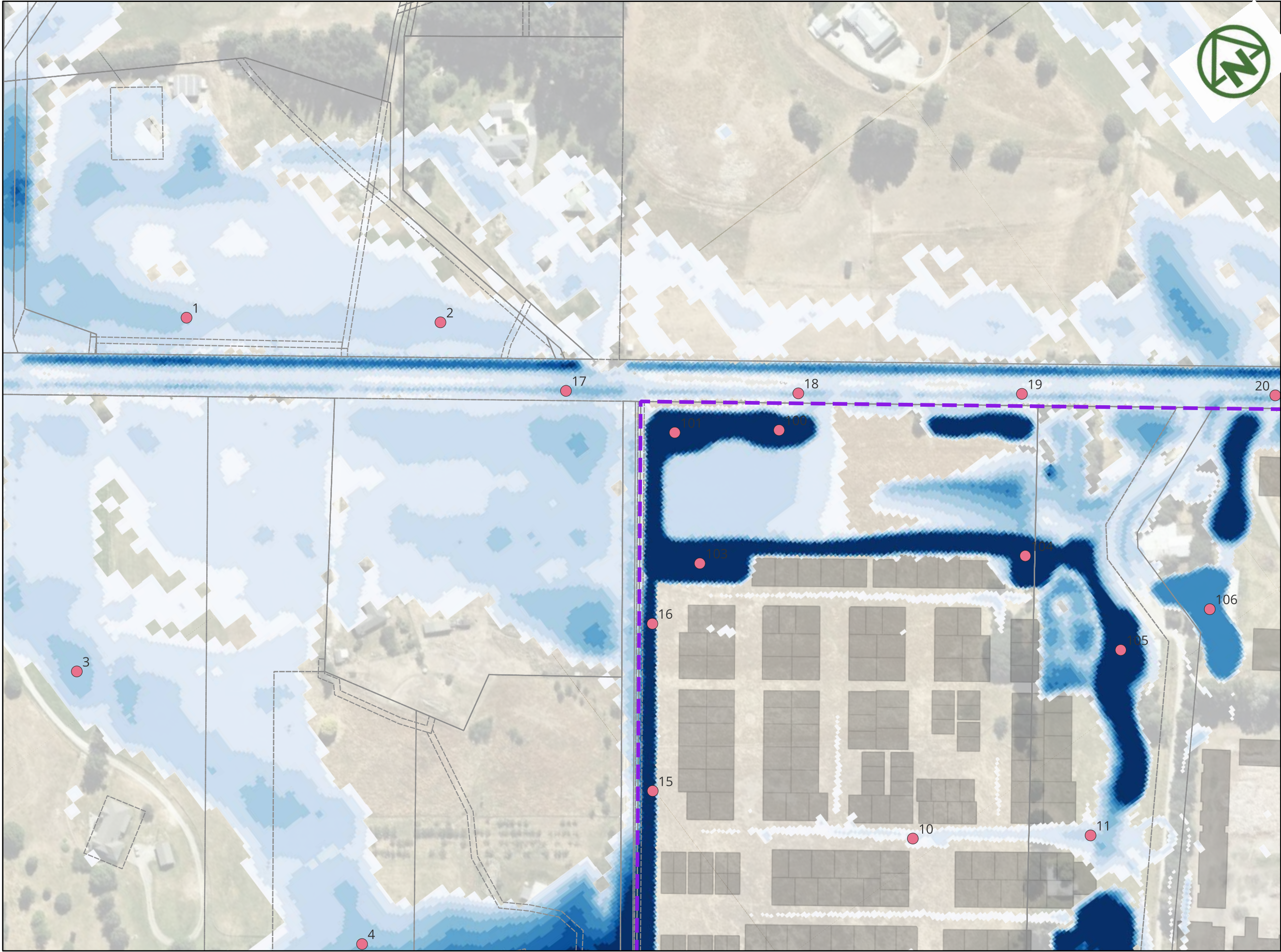


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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT
OVERALL



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.99	0.71	0.307	371.67	0.22
2	370.79	0.59	0.258	370.53	0.15
3	371.13	0.61	0.38	370.74	0.23
4	369.5	0.71	0.391	369.06	0.28
10	369.31	0.29	0.143	369.15	0.04
11	369.07	0.65	0.268	368.79	0.17
15	369.49	0.46	1.338	367.73	0.62
16	369.49	0.54	1.459	367.98	0.79
17	370.26	0.87	0.461	369.59	0.4
18	369.36	1.09	0.36	368.84	0.39
19	368.71	1.22	0.347	368.38	0.42
20	367.66	1.44	0.348	367.38	0.5
100	369.38	0.1	1.721	367.66	0.18
101	369.39	0.1	1.723	367.66	0.17
103	369.39	0.25	1.721	367.66	0.44
104	369.09	0.3	1.424	367.66	0.43
105	369.07	0.02	1.409	367.66	0.03
106	368.35	0.06	0.688	367.66	0.04

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		

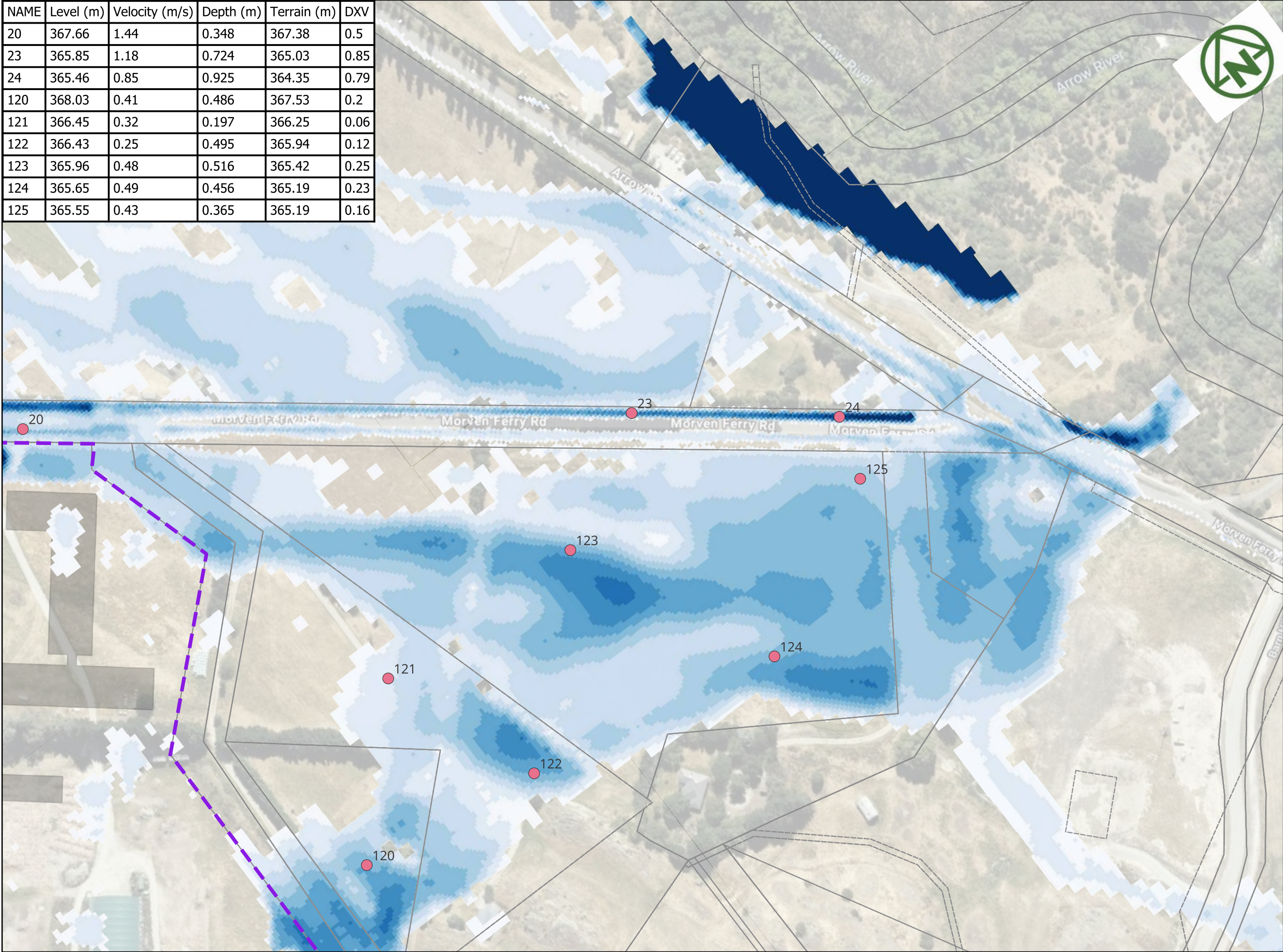
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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 1

PURPOSE OF ISSUE:	RESOURCE CONSENT
SCALE:	1:2,500
DRAWING NO:	4048-0-4641
REV:	A

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
20	367.66	1.44	0.348	367.38	0.5
23	365.85	1.18	0.724	365.03	0.85
24	365.46	0.85	0.925	364.35	0.79
120	368.03	0.41	0.486	367.53	0.2
121	366.45	0.32	0.197	366.25	0.06
122	366.43	0.25	0.495	365.94	0.12
123	365.96	0.48	0.516	365.42	0.25
124	365.65	0.49	0.456	365.19	0.23
125	365.55	0.43	0.365	365.19	0.16



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4642
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE

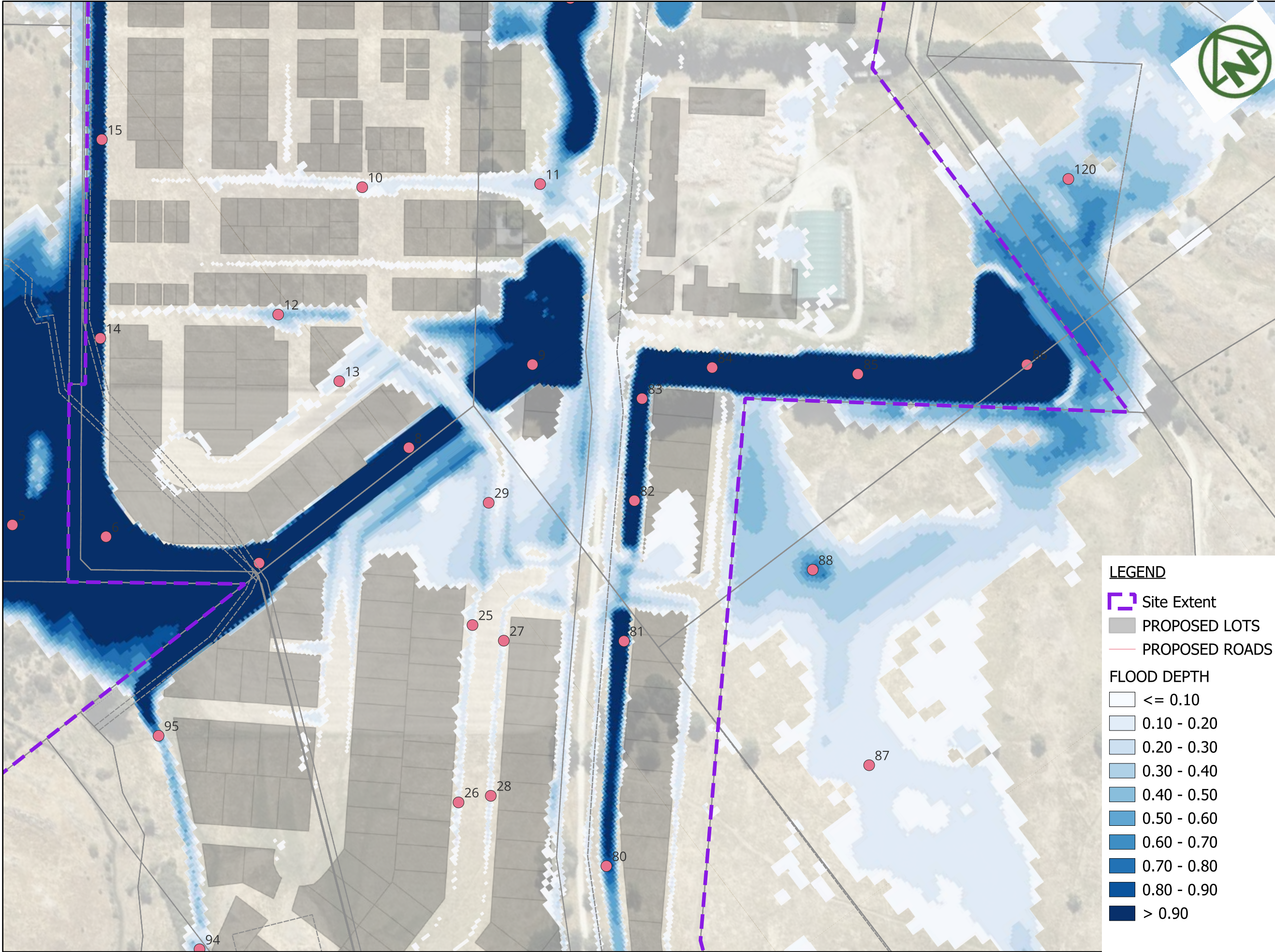


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QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 2



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
5	369.49	0.07	1.631	367.86	0.11
6	369.49	0.07	2.35	367.14	0.15
7	369.49	0.16	2.565	366.92	0.4
8	369.48	0.15	3.633	365.85	0.53
9	369.1	0.07	4.018	365.08	0.26
10	369.31	0.29	0.143	369.15	0.04
11	369.07	0.65	0.268	368.79	0.17
12	369.47	0.03	0.417	368.96	0.01
13	369.47	0.18	0.156	369.27	0.03
14	369.49	0.16	1.982	367.43	0.32
15	369.49	0.46	1.338	367.73	0.62
25	369.59	0.64	0.126	369.43	0.08
26	370.45	0.54	0.124	370.27	0.07
27	369.64	0.66	0.087	369.58	0.06
28	370.38	0.77	0.134	370.16	0.1
29	369.35	0.71	0.238	369.12	0.17
80	369.87	1.19	0.764	369	0.91
81	369.5	0.46	1.976	367.5	0.91
82	368.3	0.79	1.489	366.81	1.18
83	368.2	0.96	1.49	366.71	1.43
84	368.18	0.24	3.675	364.5	0.89
85	368.17	0.23	3.671	364.5	0.86
86	368.17	0.09	3.67	364.5	0.34
87	368.97	0.54	0.174	368.79	0.09
88	368.27	0.15	0.647	367.42	0.1
94	375.43	1.09	0.413	375.02	0.45
95	369.49	1.88	0.598	368.75	1.13
120	368.03	0.41	0.486	367.53	0.2
122	366.43	0.25	0.495	365.94	0.12

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4643

REV:
A

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026



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STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 3



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
26	370.45	0.54	0.124	370.27	0.07
28	370.38	0.77	0.134	370.16	0.1
31	394.1	0.69	0.217	393.86	0.15
32	394.68	0.73	0.193	394.36	0.14
33	399.65	0.07	0.315	399.3	0.02
34	399.65	1.1	0.143	399.4	0.16
35	418.33	0.15	0.316	417.95	0.05
36	418.33	0.09	0.23	418.1	0.02
37	414.28	0.32	0.316	413.94	0.1
39	414.54	0.73	0.192	414.23	0.14
79	375.23	1.71	0.456	374.78	0.78
80	369.87	1.19	0.764	369	0.91
89	414.14	0.26	4.945	409.2	1.28
90	414.14	0.24	4.945	409.2	1.17
91	409.84	1.11	0.328	409.45	0.36
92	404.1	1.66	0.156	403.82	0.26
201	396.33	1.82	0.134	396.4	0.24
93	385.24	1.23	0.147	385.66	0.18
94	375.43	1.09	0.413	375.02	0.45
108	382.06	0.12	4.062	378	0.5
30	391.71	0.04	0.856	390.81	0.03

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:

NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



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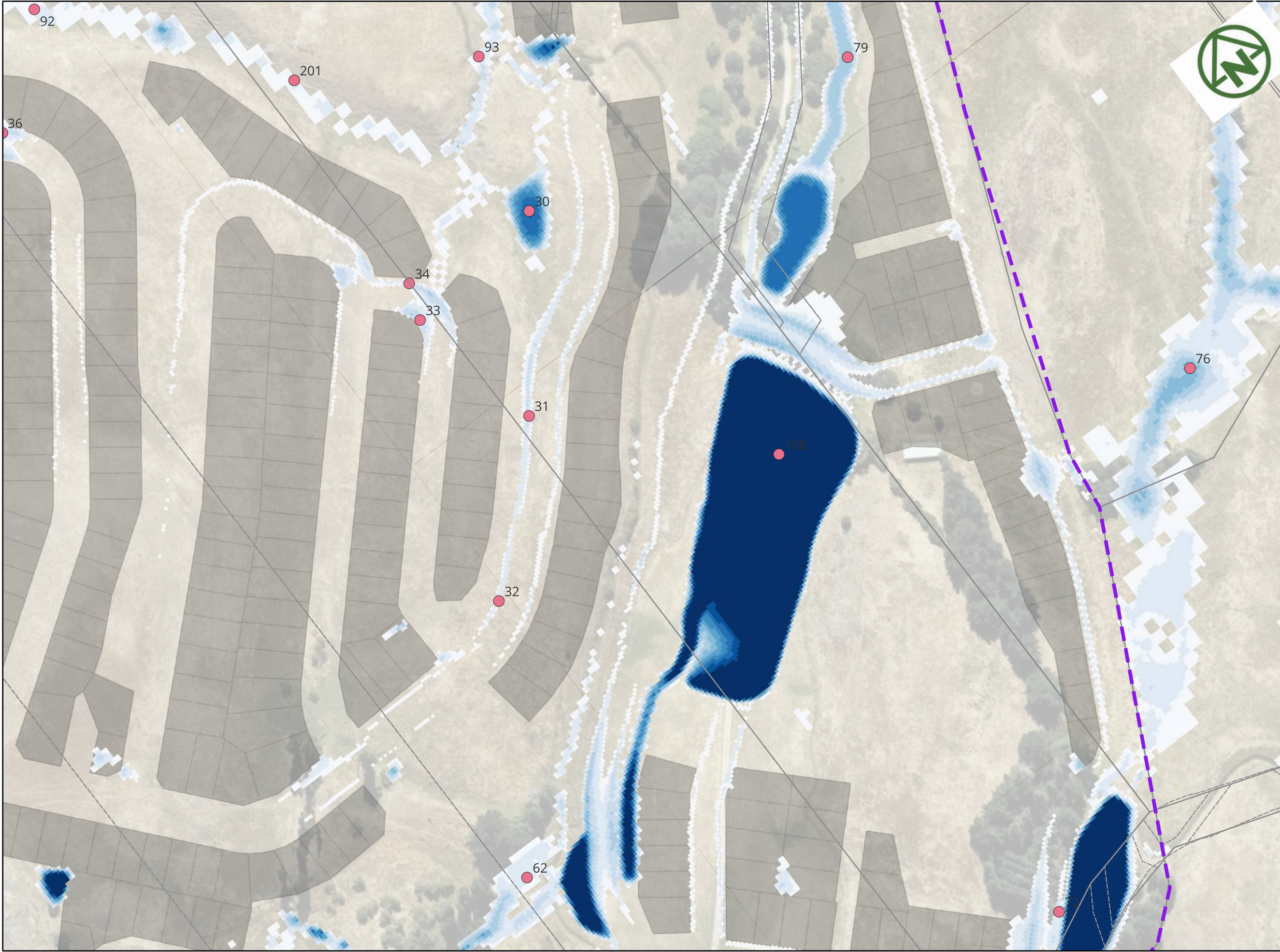
RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 4

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4644
REV: A



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
31	394.1	0.69	0.217	393.86	0.15
32	394.68	0.73	0.193	394.36	0.14
33	399.65	0.07	0.315	399.3	0.02
34	399.65	1.1	0.143	399.4	0.16
62	388.21	1.55	0.147	388.03	0.23
72	383.41	0.19	0.156	383.24	0.03
76	375.75	0.36	0.528	375.06	0.19
78	373.75	0.73	0.346	373.22	0.25
79	375.23	1.71	0.456	374.78	0.78
92	404.1	1.66	0.156	403.82	0.26
201	396.33	1.82	0.134	396.4	0.24
93	385.24	1.23	0.147	385.66	0.18
108	382.06	0.12	4.062	378	0.5
30	391.71	0.04	0.856	390.81	0.03

- LEGEND**
- Site Extent
 - PROPOSED LOTS
 - PROPOSED ROADS

- FLOOD DEPTH**
- ≤ 0.10
 - 0.10 - 0.20
 - 0.20 - 0.30
 - 0.30 - 0.40
 - 0.40 - 0.50
 - 0.50 - 0.60
 - 0.60 - 0.70
 - 0.70 - 0.80
 - 0.80 - 0.90
 - > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4645

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ			



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 5

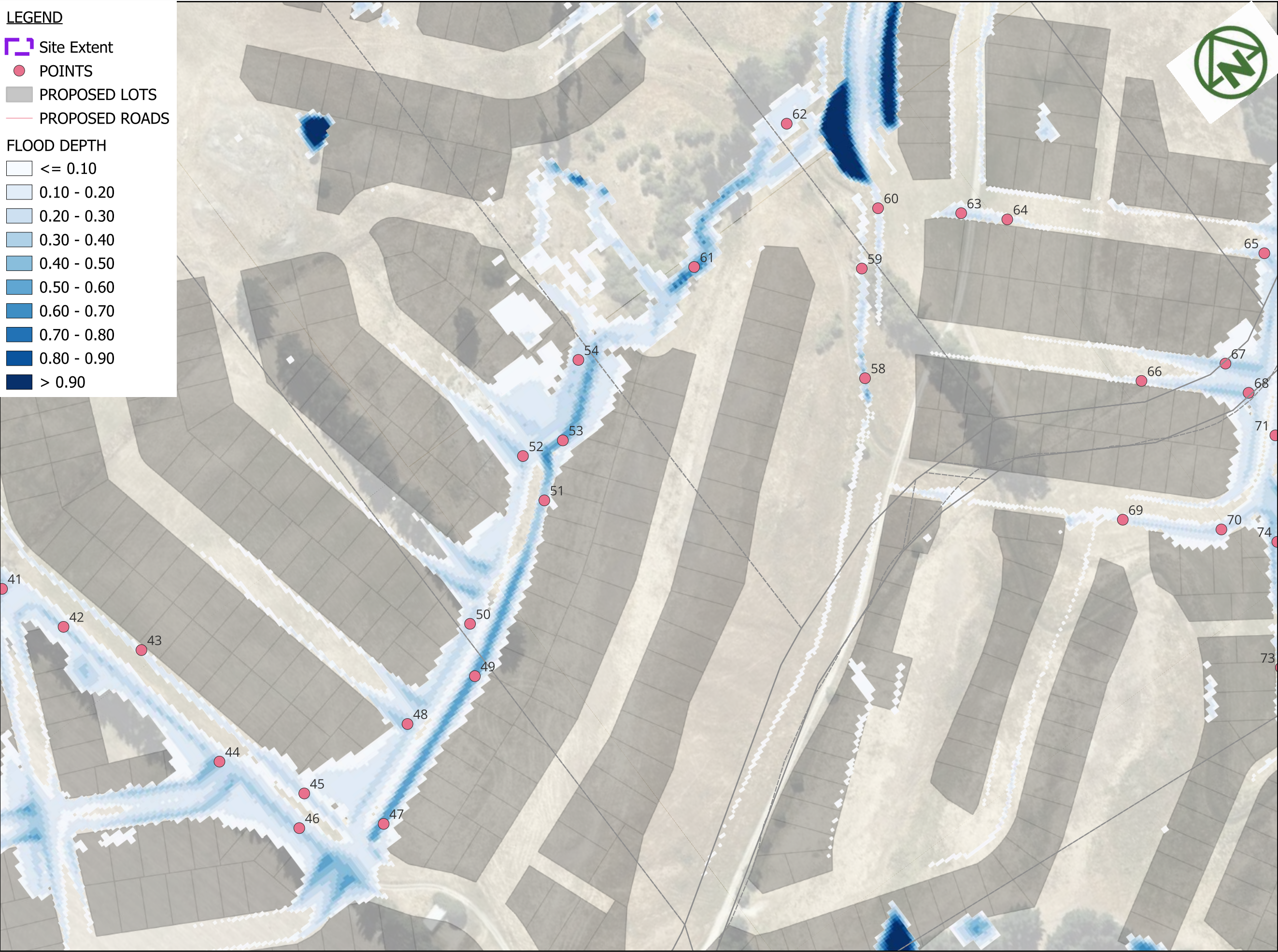
THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.

LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	412.18	0.15	0.343	411.75	0.05
42	412.04	0.92	0.241	411.67	0.22
43	411.72	0.56	0.15	411.64	0.08
44	411.58	0.71	0.355	411.23	0.25
45	410.85	1.52	0.241	410.51	0.37
46	410.81	1.78	0.311	410.32	0.55
47	410.09	1.55	0.559	409.53	0.87
48	409.61	0.85	0.377	409.24	0.32
49	409.26	1.73	0.569	408.69	0.98
50	409.04	1.29	0.246	408.68	0.32
51	407.06	2.97	0.369	406.67	1.1
52	406.79	0.87	0.336	406.5	0.29
53	406.62	1.39	0.57	406.05	0.79
54	405.95	1.85	0.293	405.6	0.54
58	386.02	0.51	0.337	385.33	0.17
59	385.86	0.33	0.144	385.44	0.05
60	384.35	0.84	0.146	384.09	0.12
61	394.41	1.96	0.406	393.65	0.8
62	388.21	1.55	0.147	388.03	0.23
63	383.73	0.03	0.292	383.42	0.01
66	383.91	0.39	0.144	383.67	0.06
65	383.6	0.28	0.215	383.37	0.06
67	383.9	0.11	0.327	383.48	0.04
68	383.9	0.4	0.289	383.63	0.11
69	384.46	1.18	0.156	384.18	0.19
70	384.23	0.55	0.208	383.95	0.12
71	383.99	0.75	0.199	383.77	0.15
74	384.17	0.16	0.3	383.88	0.05
64	383.73	0.1	0.145	383.54	0.01

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4646

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE



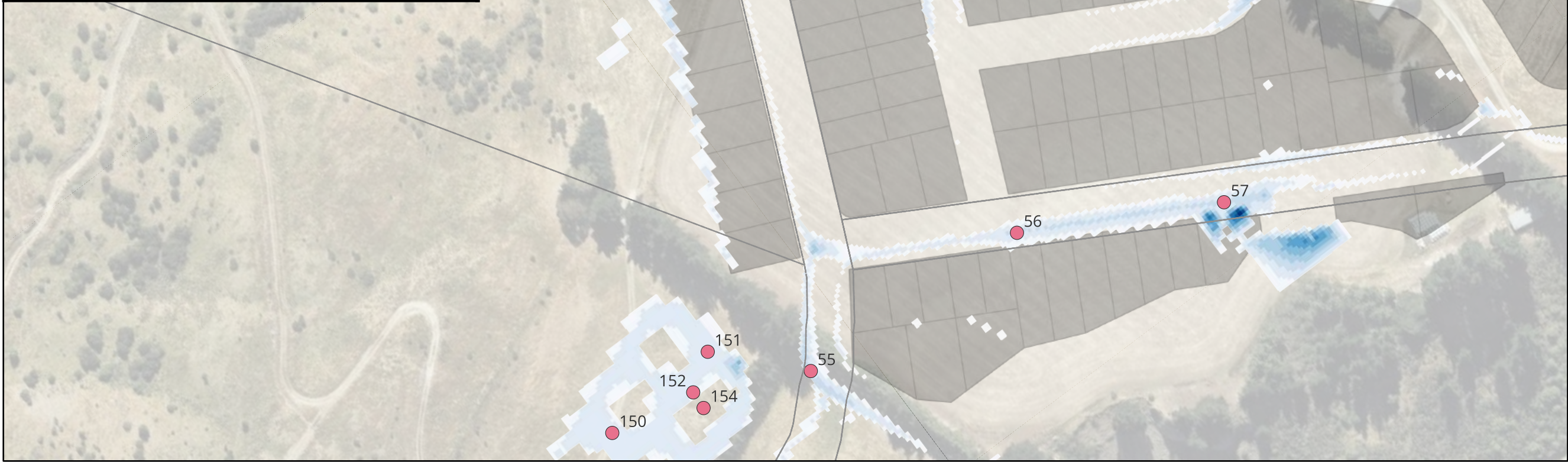
MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 6

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	412.18	0.15	0.343	411.75	0.05
42	412.04	0.92	0.241	411.67	0.22
43	411.72	0.56	0.15	411.64	0.08
44	411.58	0.71	0.355	411.23	0.25
45	410.85	1.52	0.241	410.51	0.37
46	410.81	1.78	0.311	410.32	0.55
47	410.09	1.55	0.559	409.53	0.87
48	409.61	0.85	0.377	409.24	0.32
49	409.26	1.73	0.569	408.69	0.98
50	409.04	1.29	0.246	408.68	0.32
51	407.06	2.97	0.369	406.67	1.1
52	406.79	0.87	0.336	406.5	0.29
53	406.62	1.39	0.57	406.05	0.79
54	405.95	1.85	0.293	405.6	0.54
55	421.03	0.67	0.253	420.74	0.17
56	417.04	0.82	0.203	416.79	0.17
57	416.63	0.69	0.219	416.31	0.15
96	416.4	0.87	0.337	416.66	0.29
97	416.76	0.73	0.262	416.73	0.19
150	425.17	0.16	0.147	425	0.02
151	425.17	0.18	0.153	425	0.03
152	426.12	0.05	0.106	425	0.01
154	NULL	NULL	NULL	430	NULL



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

- FLOOD DEPTH
- <= 0.10
 - 0.10 - 0.20
 - 0.20 - 0.30
 - 0.30 - 0.40
 - 0.40 - 0.50
 - 0.50 - 0.60
 - 0.60 - 0.70
 - 0.70 - 0.80
 - 0.80 - 0.90
 - > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4647

REV:
A

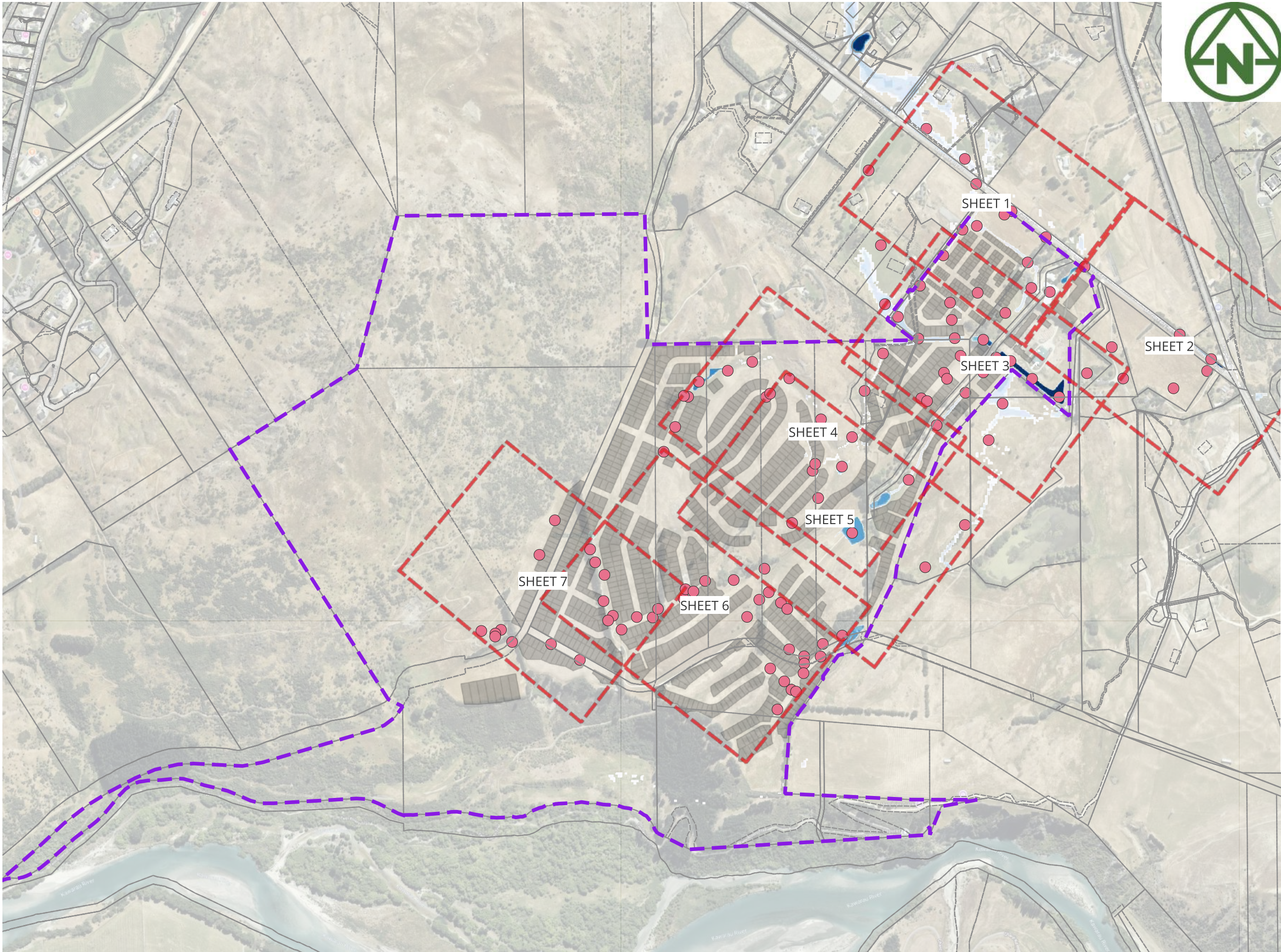
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE					



RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 7



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4650

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE

PLOT DATE: WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.

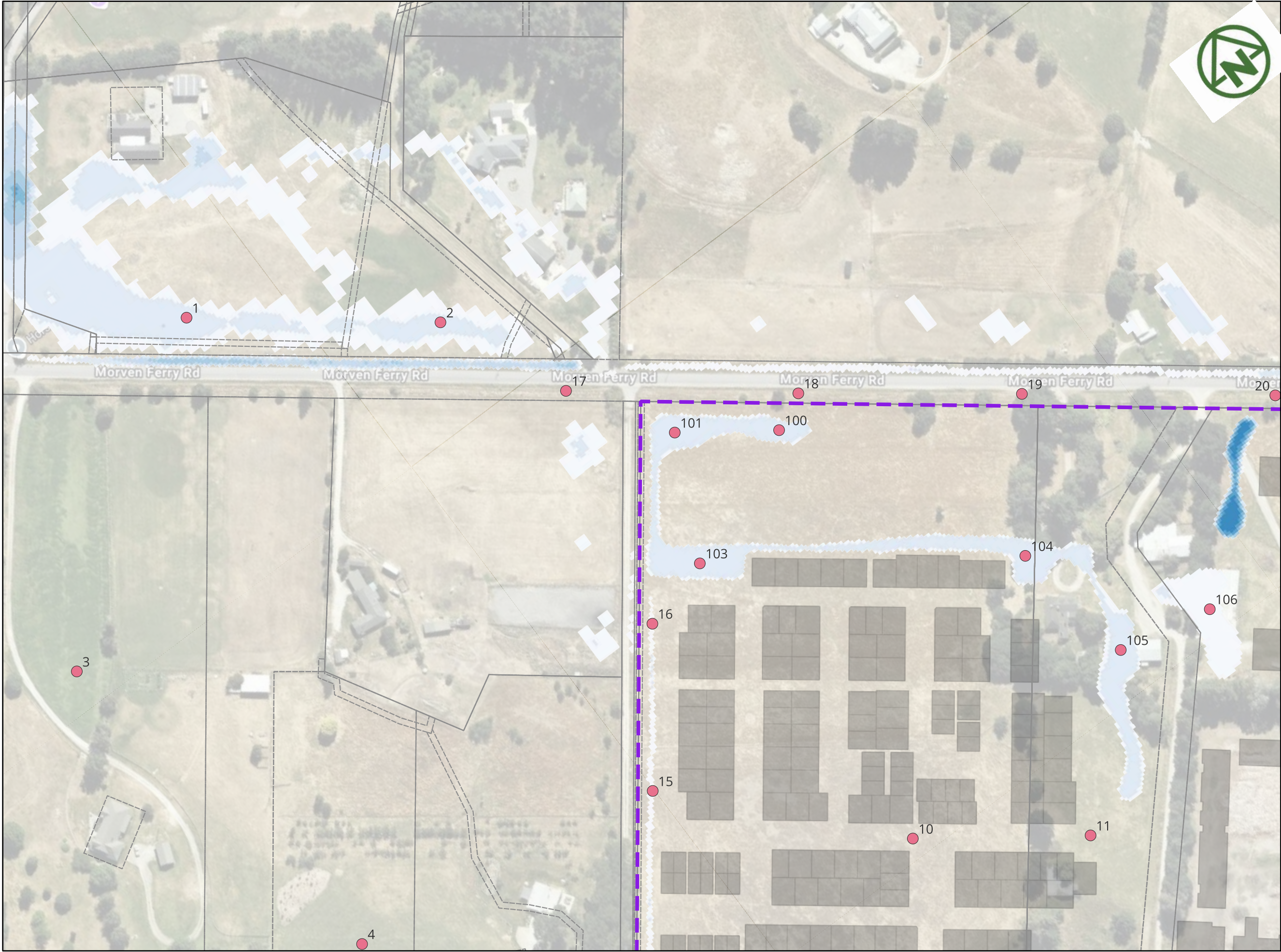


MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/ 50 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
OVERALL



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.86	0.4	0.171	371.67	0.07
2	370.64	0.32	0.113	370.53	0.04
3	NULL	NULL	NULL	370.74	NULL
4	NULL	NULL	NULL	369.06	NULL
10	NULL	NULL	NULL	369.15	NULL
11	NULL	NULL	NULL	368.79	NULL
15	NULL	NULL	NULL	367.73	NULL
16	368.09	0.14	0.078	367.98	0.01
17	NULL	NULL	NULL	369.59	NULL
18	NULL	NULL	NULL	368.84	NULL
19	NULL	NULL	NULL	368.38	NULL
20	NULL	NULL	NULL	367.38	NULL
100	367.82	0.01	0.151	367.66	0
101	367.82	0.02	0.151	367.66	0
103	367.82	0.03	0.151	367.66	0
104	367.83	0.05	0.163	367.66	0.01
105	367.78	0.02	0.113	367.66	0
106	367.76	0.01	0.097	367.66	0

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		

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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/ 50 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 1

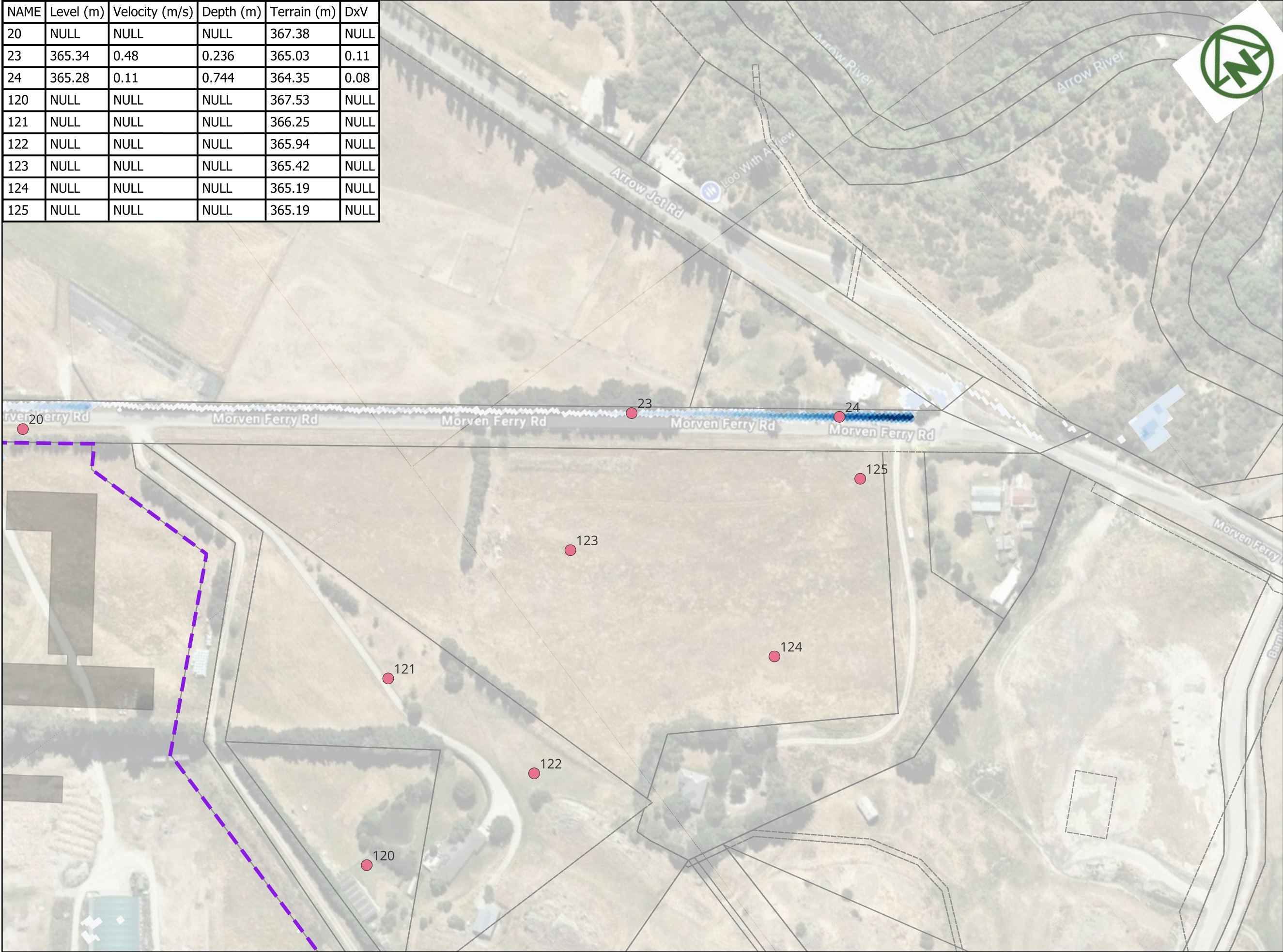
PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4651

REV:
A

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
20	NULL	NULL	NULL	367.38	NULL
23	365.34	0.48	0.236	365.03	0.11
24	365.28	0.11	0.744	364.35	0.08
120	NULL	NULL	NULL	367.53	NULL
121	NULL	NULL	NULL	366.25	NULL
122	NULL	NULL	NULL	365.94	NULL
123	NULL	NULL	NULL	365.42	NULL
124	NULL	NULL	NULL	365.19	NULL
125	NULL	NULL	NULL	365.19	NULL



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4652 REV: A

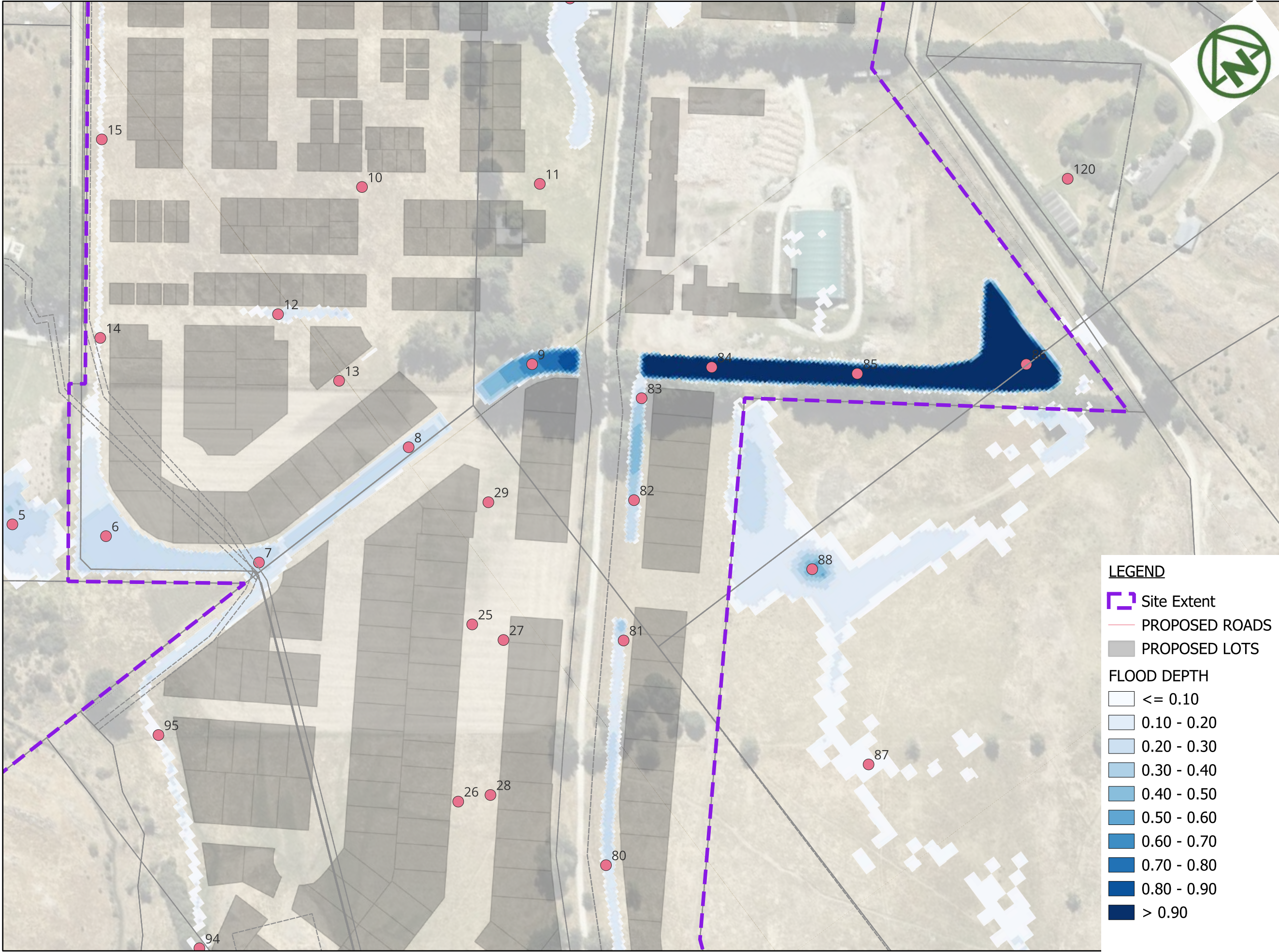
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/ 50 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 2



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
5	368.15	0.13	0.292	367.86	0.04
6	367.37	0.15	0.228	367.14	0.03
7	367.2	0.32	0.275	366.92	0.09
8	366.06	0.61	0.211	365.85	0.13
9	365.74	0.36	0.651	365.08	0.24
10	NULL	NULL	NULL	369.15	NULL
11	NULL	NULL	NULL	368.79	NULL
12	369.2	0.09	0.173	368.96	0.02
13	NULL	NULL	NULL	369.27	NULL
14	367.55	0.21	0.084	367.43	0.02
15	NULL	NULL	NULL	367.73	NULL
25	NULL	NULL	NULL	369.43	NULL
26	NULL	NULL	NULL	370.27	NULL
27	NULL	NULL	NULL	369.58	NULL
28	NULL	NULL	NULL	370.16	NULL
29	NULL	NULL	NULL	369.12	NULL
80	369.2	0.63	0.148	369	0.09
81	367.74	0.74	0.22	367.5	0.16
82	367.12	0.49	0.302	366.81	0.15
83	367.01	0.52	0.292	366.71	0.15
84	365.73	0.17	1.228	364.5	0.21
85	365.72	0.21	1.221	364.5	0.25
86	365.72	0.05	1.216	364.5	0.06
87	368.86	0.27	0.067	368.79	0.02
88	368.07	0.08	0.45	367.42	0.04
94	375.09	0.47	0.105	375.02	0.05
95	368.88	0.93	0.09	368.75	0.08
120	NULL	NULL	NULL	367.53	NULL
122	NULL	NULL	NULL	365.94	NULL

LEGEND

- Site Extent
- PROPOSED ROADS
- PROPOSED LOTS
- FLOOD DEPTH
- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE ----					



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/ 50 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 3

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4653

REV:
A



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
26	NULL	NULL	NULL	370.27	NULL
28	NULL	NULL	NULL	370.16	NULL
31	NULL	NULL	NULL	393.86	NULL
32	NULL	NULL	NULL	394.36	NULL
33	399.39	0.02	0.071	399.3	0
34	399.57	0.8	0.069	399.4	0.06
35	NULL	NULL	NULL	417.95	NULL
36	NULL	NULL	NULL	418.1	NULL
37	NULL	NULL	NULL	413.94	NULL
39	NULL	NULL	NULL	414.23	NULL
79	374.91	0.79	0.14	374.78	0.11
80	369.2	0.63	0.148	369	0.09
89	409.85	0.26	0.653	409.2	0.17
90	409.85	0.24	0.653	409.2	0.15
91	409.57	0.37	0.07	409.45	0.03
92	NULL	NULL	NULL	403.82	NULL
92	NULL	NULL	NULL	396.4	NULL
93	NULL	NULL	NULL	385.66	NULL
94	375.09	0.47	0.105	375.02	0.05
108	378.52	0.12	0.515	378	0.06
30	391.53	0.02	0.676	390.81	0.01

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4654
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/ 50 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 4



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
31	NULL	NULL	NULL	393.86	NULL
32	NULL	NULL	NULL	394.36	NULL
33	399.39	0.02	0.071	399.3	0
34	399.57	0.8	0.069	399.4	0.06
62	NULL	NULL	NULL	388.03	NULL
72	NULL	NULL	NULL	383.24	NULL
76	NULL	NULL	NULL	375.06	NULL
78	373.4	0.46	0.115	373.22	0.05
79	374.91	0.79	0.14	374.78	0.11
92	NULL	NULL	NULL	403.82	NULL
92	NULL	NULL	NULL	396.4	NULL
93	NULL	NULL	NULL	385.66	NULL
108	378.52	0.12	0.515	378	0.06
30	391.53	0.02	0.676	390.81	0.01

LEGEND

Site Extent

- FLOOD DEPTH
- ≤ 0.10
 - 0.10 - 0.20
 - 0.20 - 0.30
 - 0.30 - 0.40
 - 0.40 - 0.50
 - 0.50 - 0.60
 - 0.60 - 0.70
 - 0.70 - 0.80
 - 0.80 - 0.90
 - > 0.90
 - PROPOSED LOTS
 - PROPOSED ROADS

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4655

REV:
A

A		FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE	
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ				



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/ 50 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 5

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LEGEND

- Site Extent
- PROPOSED ROADS
- PROPOSED LOTS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	NULL	NULL	NULL	411.75	NULL
42	NULL	NULL	NULL	411.67	NULL
43	NULL	NULL	NULL	411.64	NULL
44	NULL	NULL	NULL	411.23	NULL
45	NULL	NULL	NULL	410.51	NULL
46	NULL	NULL	NULL	410.32	NULL
47	NULL	NULL	NULL	409.53	NULL
48	NULL	NULL	NULL	409.24	NULL
49	NULL	NULL	NULL	408.69	NULL
50	NULL	NULL	NULL	408.68	NULL
51	NULL	NULL	NULL	406.67	NULL
52	NULL	NULL	NULL	406.5	NULL
53	NULL	NULL	NULL	406.05	NULL
54	NULL	NULL	NULL	405.6	NULL
58	NULL	NULL	NULL	385.33	NULL
59	NULL	NULL	NULL	385.44	NULL
60	NULL	NULL	NULL	384.09	NULL
61	NULL	NULL	NULL	393.65	NULL
62	NULL	NULL	NULL	388.03	NULL
63	NULL	NULL	NULL	383.42	NULL
66	NULL	NULL	NULL	383.67	NULL
65	NULL	NULL	NULL	383.37	NULL
67	NULL	NULL	NULL	383.48	NULL
68	NULL	NULL	NULL	383.63	NULL
69	NULL	NULL	NULL	384.18	NULL
70	NULL	NULL	NULL	383.95	NULL
71	NULL	NULL	NULL	383.77	NULL
74	NULL	NULL	NULL	383.88	NULL
64	NULL	NULL	NULL	383.54	NULL

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4656

REV:
A

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/ 50 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 6

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	NULL	NULL	NULL	411.75	NULL
42	NULL	NULL	NULL	411.67	NULL
43	NULL	NULL	NULL	411.64	NULL
44	NULL	NULL	NULL	411.23	NULL
45	NULL	NULL	NULL	410.51	NULL
46	NULL	NULL	NULL	410.32	NULL
47	NULL	NULL	NULL	409.53	NULL
48	NULL	NULL	NULL	409.24	NULL
49	NULL	NULL	NULL	408.69	NULL
50	NULL	NULL	NULL	408.68	NULL
51	NULL	NULL	NULL	406.67	NULL
52	NULL	NULL	NULL	406.5	NULL
53	NULL	NULL	NULL	406.05	NULL
54	NULL	NULL	NULL	405.6	NULL
55	NULL	NULL	NULL	420.74	NULL
56	NULL	NULL	NULL	416.79	NULL
57	NULL	NULL	NULL	416.31	NULL
96	NULL	NULL	NULL	416.66	NULL
97	NULL	NULL	NULL	416.73	NULL
150	NULL	NULL	NULL	425	NULL
151	NULL	NULL	NULL	425	NULL
152	NULL	NULL	NULL	425	NULL
154	NULL	NULL	NULL	430	NULL



LEGEND

- Site Extent
- POINTS
- FLOOD DEPTH
 - <= 0.10
 - PROPOSED LOTS
 - PROPOSED ROADS
- FLOOD DEPTH
 - <= 0.10
 - 0.10 - 0.20
 - 0.20 - 0.30
 - 0.30 - 0.40
 - 0.40 - 0.50
 - 0.50 - 0.60
 - 0.60 - 0.70
 - 0.70 - 0.80
 - 0.80 - 0.90
 - > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4657

REV:
A

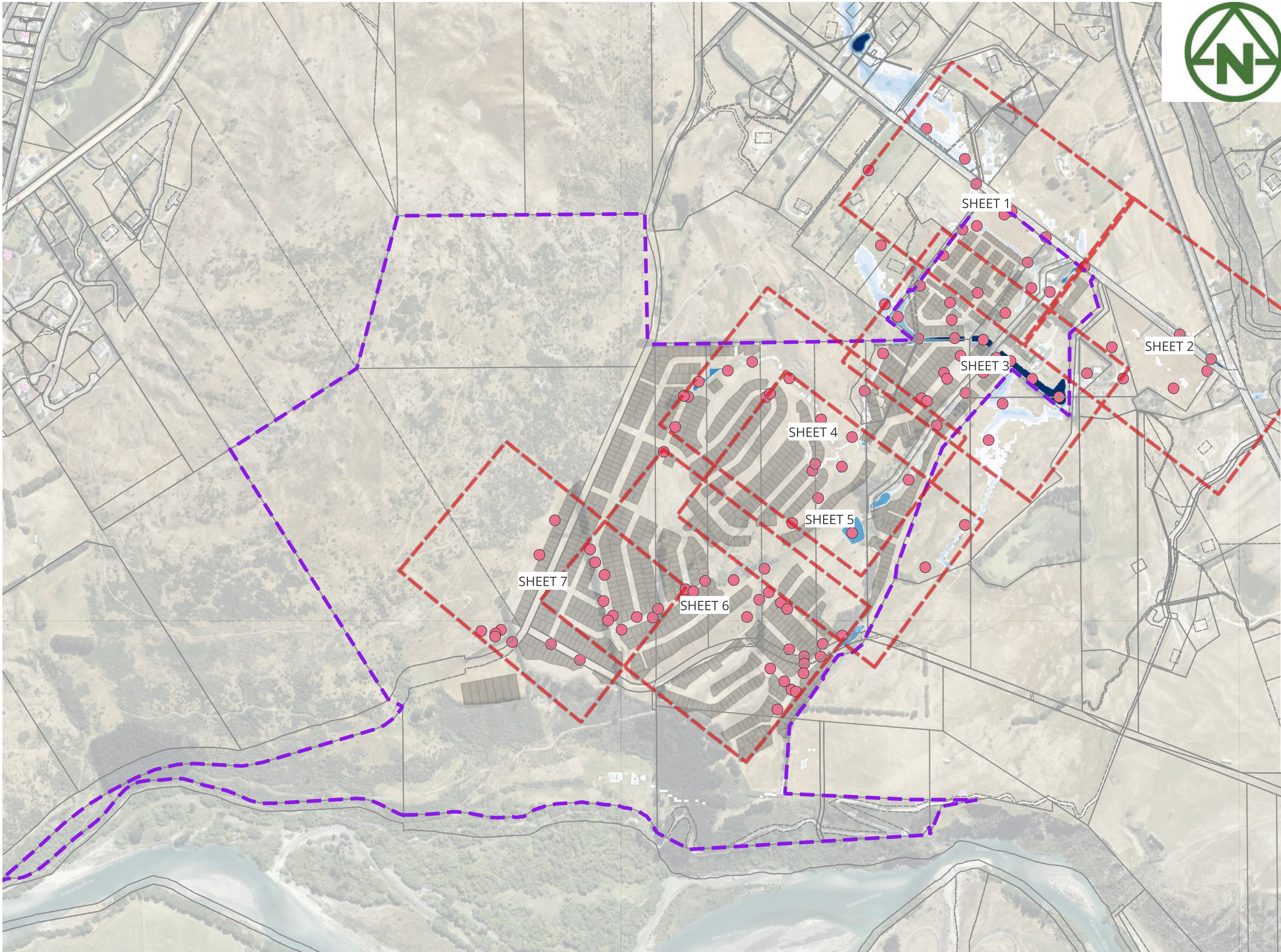
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/ 50 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 7



LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4660

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		

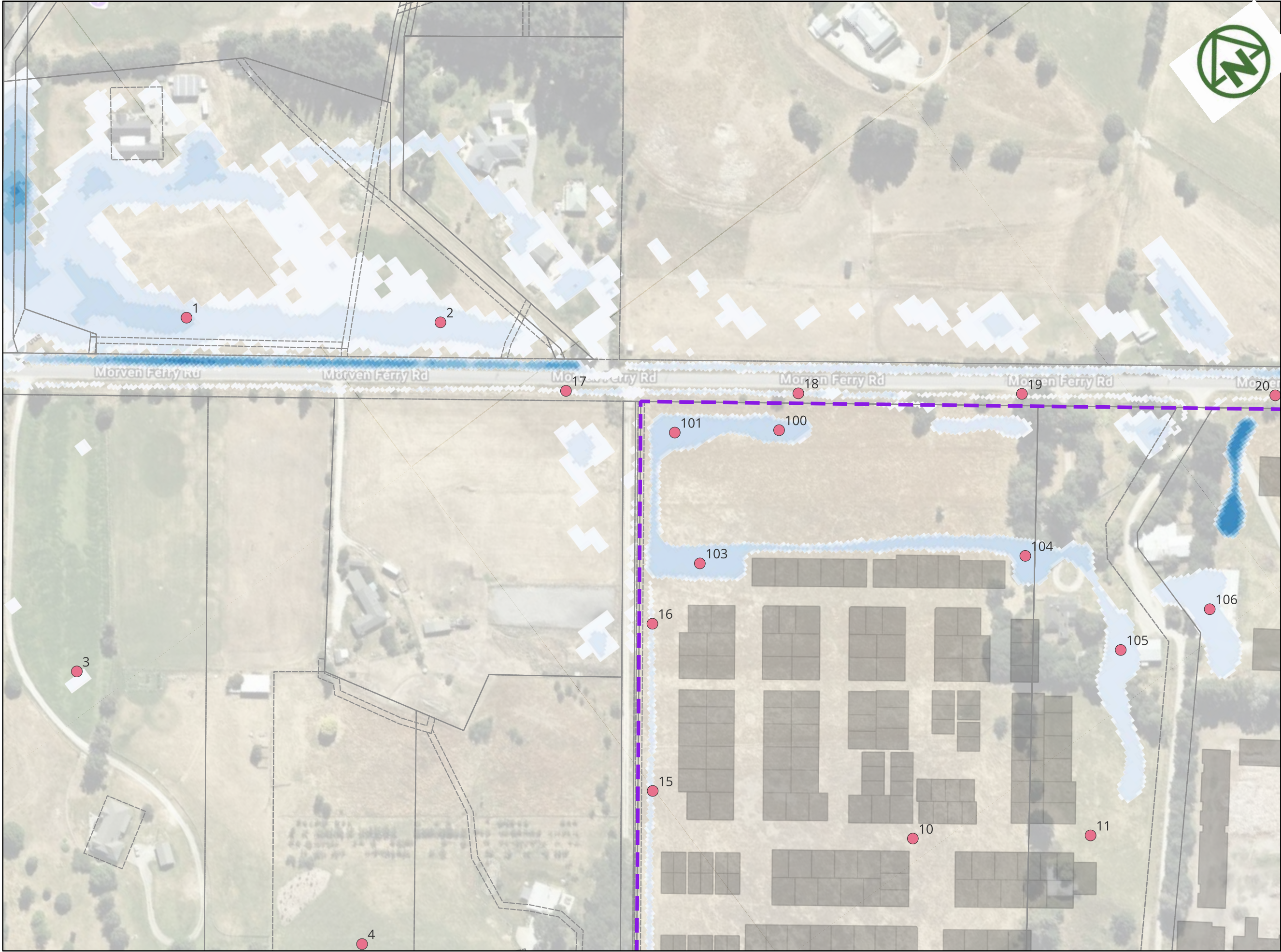


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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/ 50 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
OVERALL



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.9	0.51	0.219	371.67	0.11
2	370.68	0.39	0.147	370.53	0.06
3	NULL	NULL	NULL	370.74	NULL
4	NULL	NULL	NULL	369.06	NULL
10	NULL	NULL	NULL	369.15	NULL
11	NULL	NULL	NULL	368.79	NULL
15	367.92	0.2	0.089	367.73	0.02
16	368.14	0.15	0.129	367.98	0.02
17	NULL	NULL	NULL	369.59	NULL
18	369.17	0.62	0.176	368.84	0.11
19	368.36	0.55	0.05	368.38	0.03
20	NULL	NULL	NULL	367.38	NULL
100	367.92	0.01	0.252	367.66	0
101	367.92	0.02	0.252	367.66	0
103	367.92	0.03	0.252	367.66	0.01
104	367.9	0.07	0.233	367.66	0.02
105	367.82	0.02	0.153	367.66	0
106	367.79	0.03	0.121	367.66	0

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

≤ 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4661

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					

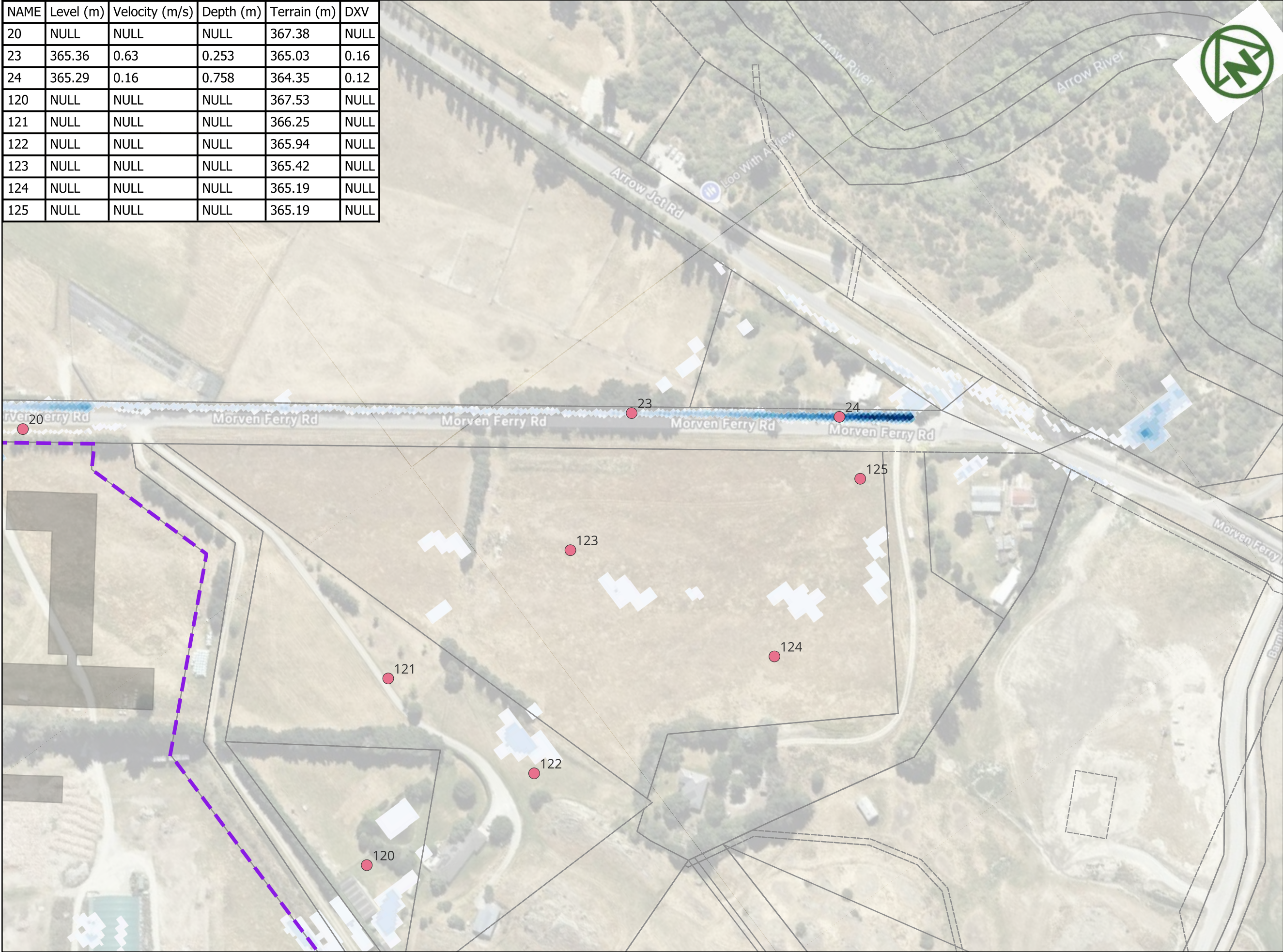


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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/ 10 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 1

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
20	NULL	NULL	NULL	367.38	NULL
23	365.36	0.63	0.253	365.03	0.16
24	365.29	0.16	0.758	364.35	0.12
120	NULL	NULL	NULL	367.53	NULL
121	NULL	NULL	NULL	366.25	NULL
122	NULL	NULL	NULL	365.94	NULL
123	NULL	NULL	NULL	365.42	NULL
124	NULL	NULL	NULL	365.19	NULL
125	NULL	NULL	NULL	365.19	NULL



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4662 REV: A

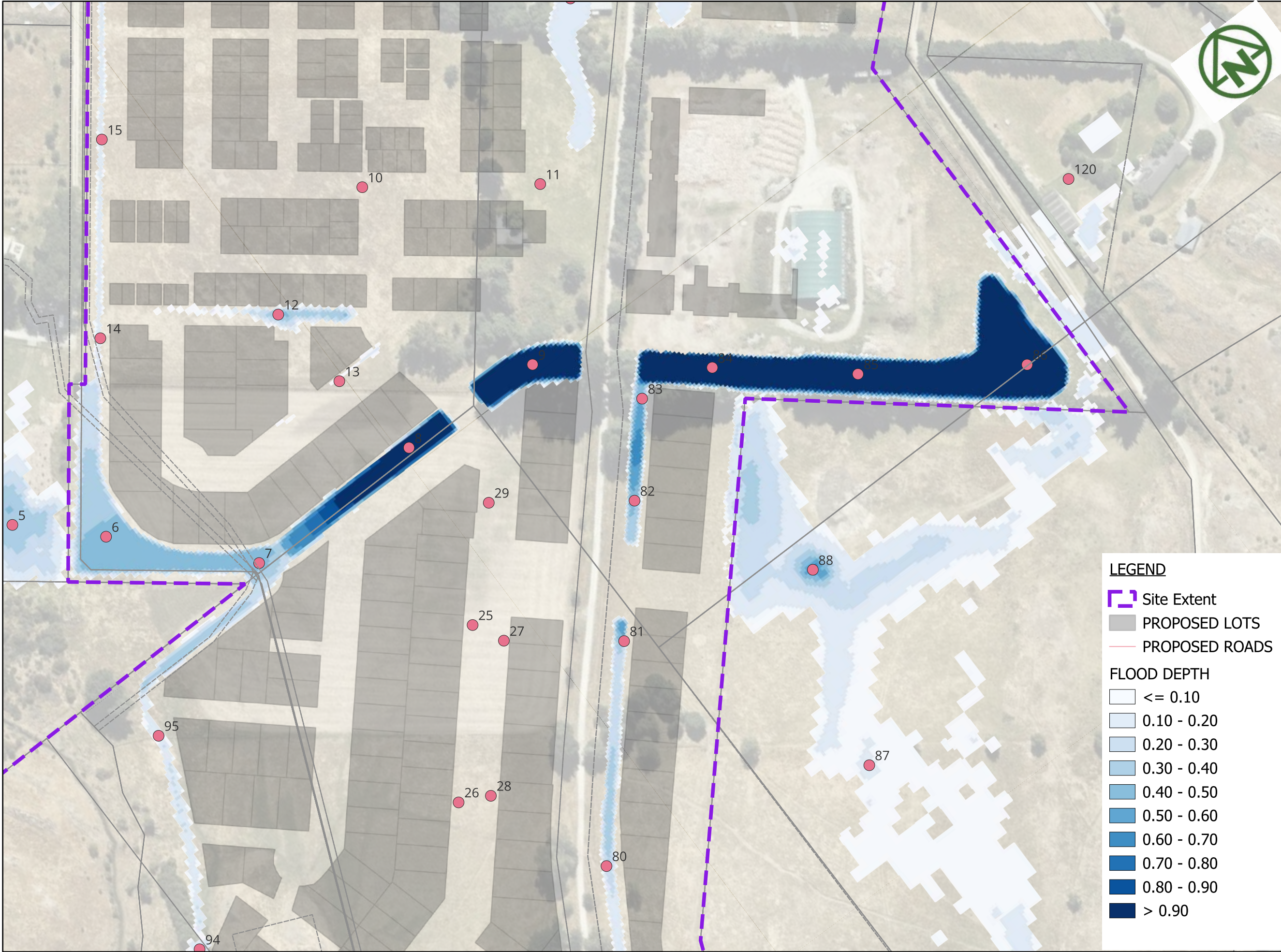
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----				



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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/ 10 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 2



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
5	368.25	0.21	0.388	367.86	0.08
6	367.55	0.22	0.413	367.14	0.09
7	367.37	0.46	0.442	366.92	0.2
8	367.21	0.8	1.361	365.85	1.09
9	367.2	0.34	2.118	365.08	0.73
10	NULL	NULL	NULL	369.15	NULL
11	NULL	NULL	NULL	368.79	NULL
12	369.41	0.09	0.364	368.96	0.03
13	NULL	NULL	NULL	369.27	NULL
14	367.62	0.28	0.145	367.43	0.04
15	367.92	0.2	0.089	367.73	0.02
25	NULL	NULL	NULL	369.43	NULL
26	NULL	NULL	NULL	370.27	NULL
27	NULL	NULL	NULL	369.58	NULL
28	NULL	NULL	NULL	370.16	NULL
29	NULL	NULL	NULL	369.12	NULL
80	369.28	0.73	0.216	369	0.16
81	367.93	0.74	0.408	367.5	0.3
82	367.27	0.61	0.453	366.81	0.28
83	367.21	0.72	0.497	366.71	0.36
84	367.2	0.23	2.698	364.5	0.61
85	367.2	0.26	2.697	364.5	0.7
86	367.2	0.06	2.696	364.5	0.15
87	368.9	0.38	0.108	368.79	0.04
88	368.14	0.11	0.519	367.42	0.06
94	375.21	0.67	0.204	375.02	0.14
95	369	1.27	0.153	368.75	0.19
120	NULL	NULL	NULL	367.53	NULL
122	NULL	NULL	NULL	365.94	NULL

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4663

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/ 10 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 3



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
26	NULL	NULL	NULL	370.27	NULL
28	NULL	NULL	NULL	370.16	NULL
31	NULL	NULL	NULL	393.86	NULL
32	NULL	NULL	NULL	394.36	NULL
33	399.62	0.08	0.279	399.3	0.02
34	399.62	1.11	0.121	399.4	0.13
35	NULL	NULL	NULL	417.95	NULL
36	NULL	NULL	NULL	418.1	NULL
37	NULL	NULL	NULL	413.94	NULL
39	NULL	NULL	NULL	414.23	NULL
79	374.96	0.95	0.186	374.78	0.18
80	369.28	0.73	0.216	369	0.16
89	409.87	0.26	0.671	409.2	0.17
90	409.87	0.24	0.671	409.2	0.16
91	409.64	0.62	0.134	409.45	0.08
92	NULL	NULL	NULL	403.82	NULL
92	395.95	1.34	0.049	396.4	0.07
93	384.86	1.41	0.08	385.66	0.11
94	375.21	0.67	0.204	375.02	0.14
108	378.52	0.12	0.515	378	0.06
30	391.58	0.02	0.728	390.81	0.02

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4664
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ			



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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/ 10 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 4



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
31	NULL	NULL	NULL	393.86	NULL
32	NULL	NULL	NULL	394.36	NULL
33	399.62	0.08	0.279	399.3	0.02
34	399.62	1.11	0.121	399.4	0.13
62	NULL	NULL	NULL	388.03	NULL
72	NULL	NULL	NULL	383.24	NULL
76	NULL	NULL	NULL	375.06	NULL
78	373.53	0.64	0.194	373.22	0.12
79	374.96	0.95	0.186	374.78	0.18
92	NULL	NULL	NULL	403.82	NULL
92	395.95	1.34	0.049	396.4	0.07
93	384.86	1.41	0.08	385.66	0.11
108	378.52	0.12	0.515	378	0.06
30	391.58	0.02	0.728	390.81	0.02

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE ----					



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/ 10 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 5

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

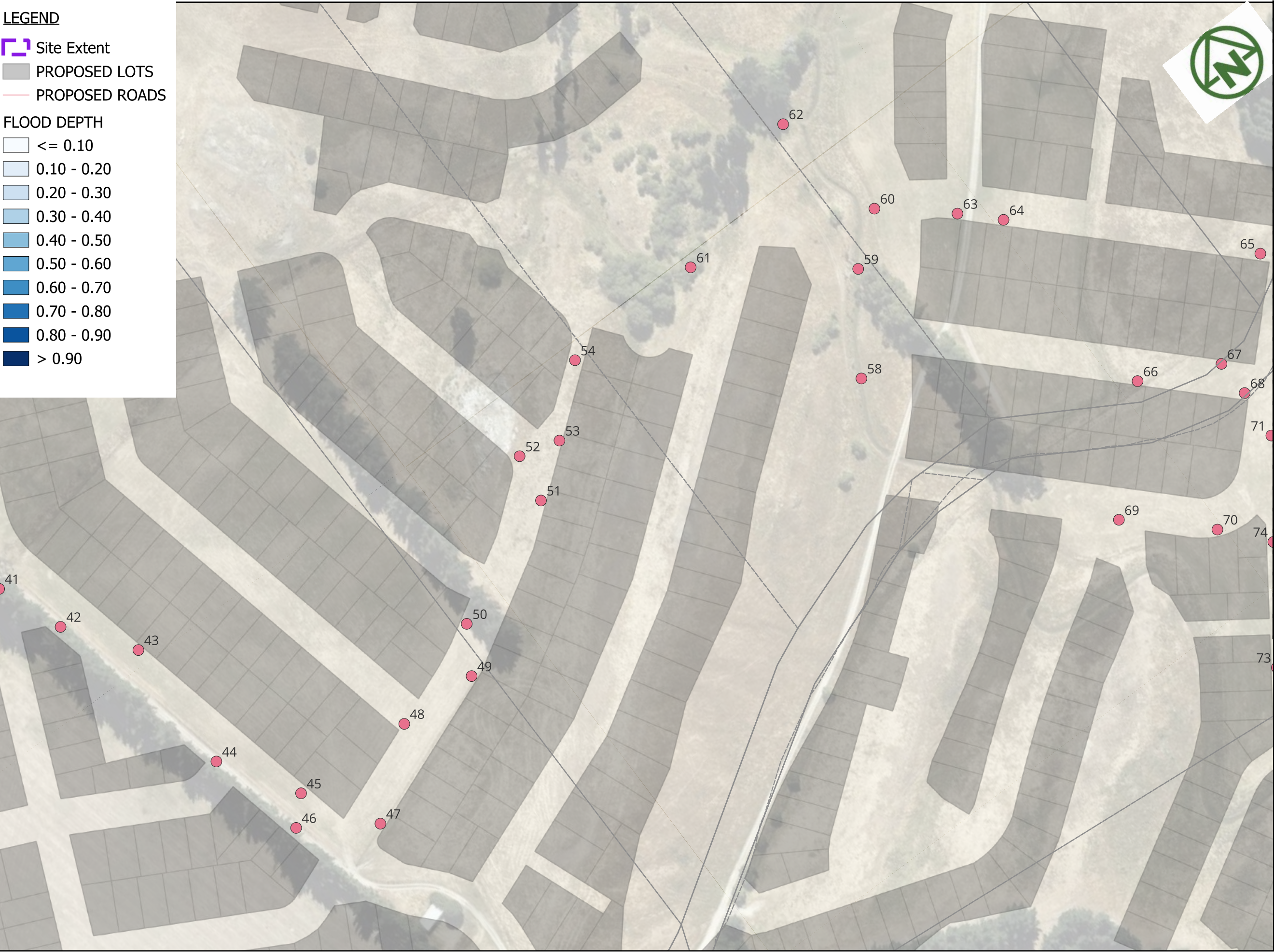
DRAWING NO: 4048-0-4665
REV: A

LEGEND

-  Site Extent
-  PROPOSED LOTS
-  PROPOSED ROADS

FLOOD DEPTH

-  <= 0.10
-  0.10 - 0.20
-  0.20 - 0.30
-  0.30 - 0.40
-  0.40 - 0.50
-  0.50 - 0.60
-  0.60 - 0.70
-  0.70 - 0.80
-  0.80 - 0.90
-  > 0.90



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	NULL	NULL	NULL	411.75	NULL
42	NULL	NULL	NULL	411.67	NULL
43	NULL	NULL	NULL	411.64	NULL
44	NULL	NULL	NULL	411.23	NULL
45	NULL	NULL	NULL	410.51	NULL
46	NULL	NULL	NULL	410.32	NULL
47	NULL	NULL	NULL	409.53	NULL
48	NULL	NULL	NULL	409.24	NULL
49	NULL	NULL	NULL	408.69	NULL
50	NULL	NULL	NULL	408.68	NULL
51	NULL	NULL	NULL	406.67	NULL
52	NULL	NULL	NULL	406.5	NULL
53	NULL	NULL	NULL	406.05	NULL
54	NULL	NULL	NULL	405.6	NULL
58	NULL	NULL	NULL	385.33	NULL
59	NULL	NULL	NULL	385.44	NULL
60	NULL	NULL	NULL	384.09	NULL
61	NULL	NULL	NULL	393.65	NULL
62	NULL	NULL	NULL	388.03	NULL
63	NULL	NULL	NULL	383.42	NULL
66	NULL	NULL	NULL	383.67	NULL
65	NULL	NULL	NULL	383.37	NULL
67	NULL	NULL	NULL	383.48	NULL
68	NULL	NULL	NULL	383.63	NULL
69	NULL	NULL	NULL	384.18	NULL
70	NULL	NULL	NULL	383.95	NULL
71	NULL	NULL	NULL	383.77	NULL
74	NULL	NULL	NULL	383.88	NULL
64	NULL	NULL	NULL	383.54	NULL

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4666

REV:
A

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/ 10 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 6

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	NULL	NULL	NULL	411.75	NULL
42	NULL	NULL	NULL	411.67	NULL
43	NULL	NULL	NULL	411.64	NULL
44	NULL	NULL	NULL	411.23	NULL
45	NULL	NULL	NULL	410.51	NULL
46	NULL	NULL	NULL	410.32	NULL
47	NULL	NULL	NULL	409.53	NULL
48	NULL	NULL	NULL	409.24	NULL
49	NULL	NULL	NULL	408.69	NULL
50	NULL	NULL	NULL	408.68	NULL
51	NULL	NULL	NULL	406.67	NULL
52	NULL	NULL	NULL	406.5	NULL
53	NULL	NULL	NULL	406.05	NULL
54	NULL	NULL	NULL	405.6	NULL
55	NULL	NULL	NULL	420.74	NULL
56	NULL	NULL	NULL	416.79	NULL
57	NULL	NULL	NULL	416.31	NULL
96	NULL	NULL	NULL	416.66	NULL
97	NULL	NULL	NULL	416.73	NULL
150	NULL	NULL	NULL	425	NULL
151	NULL	NULL	NULL	425	NULL
152	NULL	NULL	NULL	425	NULL
154	NULL	NULL	NULL	430	NULL



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4667
REV: A

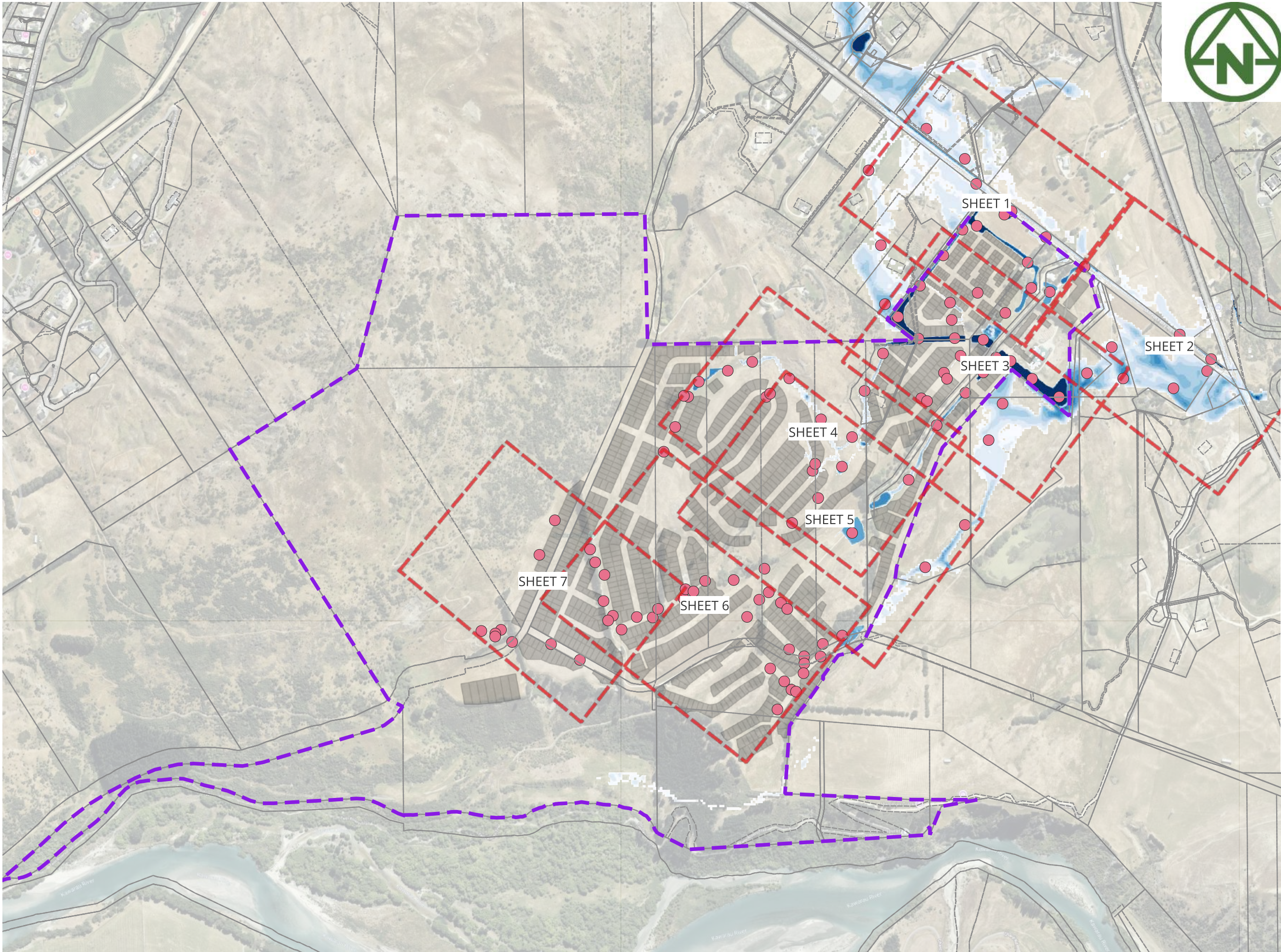
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/ 10 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 7



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4670

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



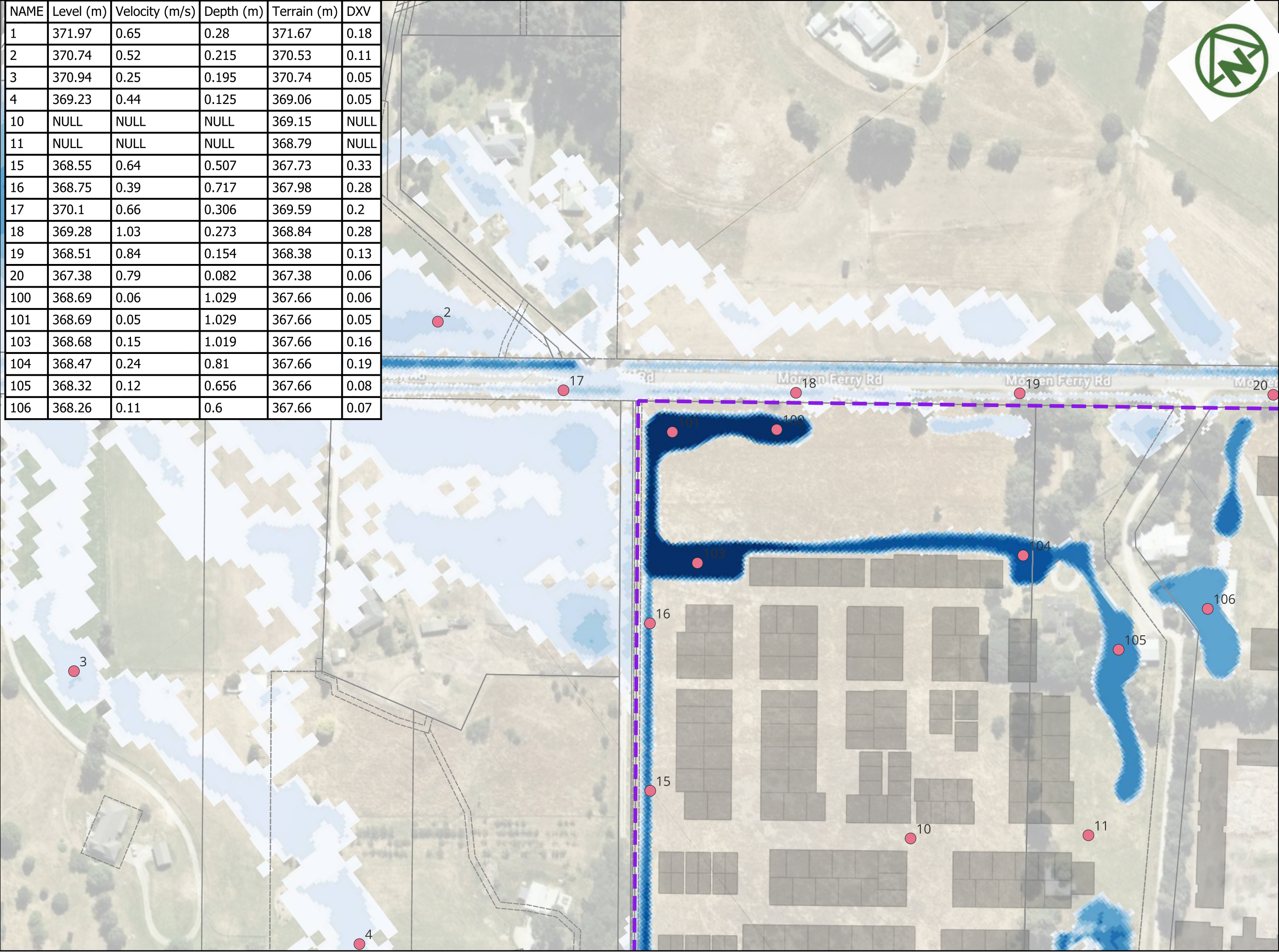
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/ 1 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
OVERALL

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.97	0.65	0.28	371.67	0.18
2	370.74	0.52	0.215	370.53	0.11
3	370.94	0.25	0.195	370.74	0.05
4	369.23	0.44	0.125	369.06	0.05
10	NULL	NULL	NULL	369.15	NULL
11	NULL	NULL	NULL	368.79	NULL
15	368.55	0.64	0.507	367.73	0.33
16	368.75	0.39	0.717	367.98	0.28
17	370.1	0.66	0.306	369.59	0.2
18	369.28	1.03	0.273	368.84	0.28
19	368.51	0.84	0.154	368.38	0.13
20	367.38	0.79	0.082	367.38	0.06
100	368.69	0.06	1.029	367.66	0.06
101	368.69	0.05	1.029	367.66	0.05
103	368.68	0.15	1.019	367.66	0.16
104	368.47	0.24	0.81	367.66	0.19
105	368.32	0.12	0.656	367.66	0.08
106	368.26	0.11	0.6	367.66	0.07



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.97	0.65	0.28	371.67	0.18
2	370.74	0.52	0.215	370.53	0.11
3	370.94	0.25	0.195	370.74	0.05
4	369.23	0.44	0.125	369.06	0.05
10	NULL	NULL	NULL	369.15	NULL
11	NULL	NULL	NULL	368.79	NULL
15	368.55	0.64	0.507	367.73	0.33
16	368.75	0.39	0.717	367.98	0.28
17	370.1	0.66	0.306	369.59	0.2
18	369.28	1.03	0.273	368.84	0.28
19	368.51	0.84	0.154	368.38	0.13
20	367.38	0.79	0.082	367.38	0.06
100	368.69	0.06	1.029	367.66	0.06
101	368.69	0.05	1.029	367.66	0.05
103	368.68	0.15	1.019	367.66	0.16
104	368.47	0.24	0.81	367.66	0.19
105	368.32	0.12	0.656	367.66	0.08
106	368.26	0.11	0.6	367.66	0.07

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



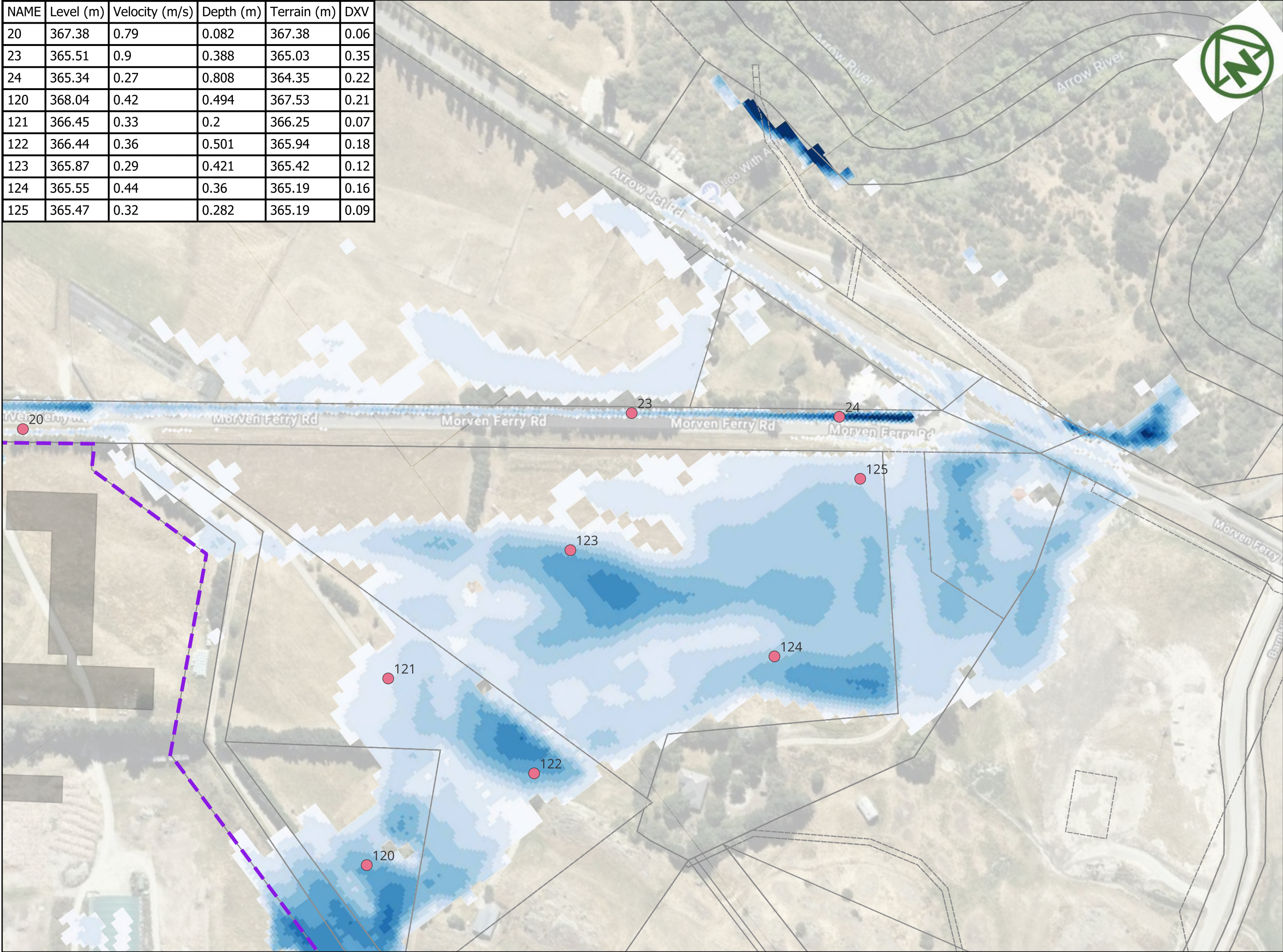
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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/ 1 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 1

PURPOSE OF ISSUE:		RESOURCE CONSENT
SCALE:		1:2,500
DRAWING NO:	4048-0-4671	REV: A

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
20	367.38	0.79	0.082	367.38	0.06
23	365.51	0.9	0.388	365.03	0.35
24	365.34	0.27	0.808	364.35	0.22
120	368.04	0.42	0.494	367.53	0.21
121	366.45	0.33	0.2	366.25	0.07
122	366.44	0.36	0.501	365.94	0.18
123	365.87	0.29	0.421	365.42	0.12
124	365.55	0.44	0.36	365.19	0.16
125	365.47	0.32	0.282	365.19	0.09



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4672 REV: A

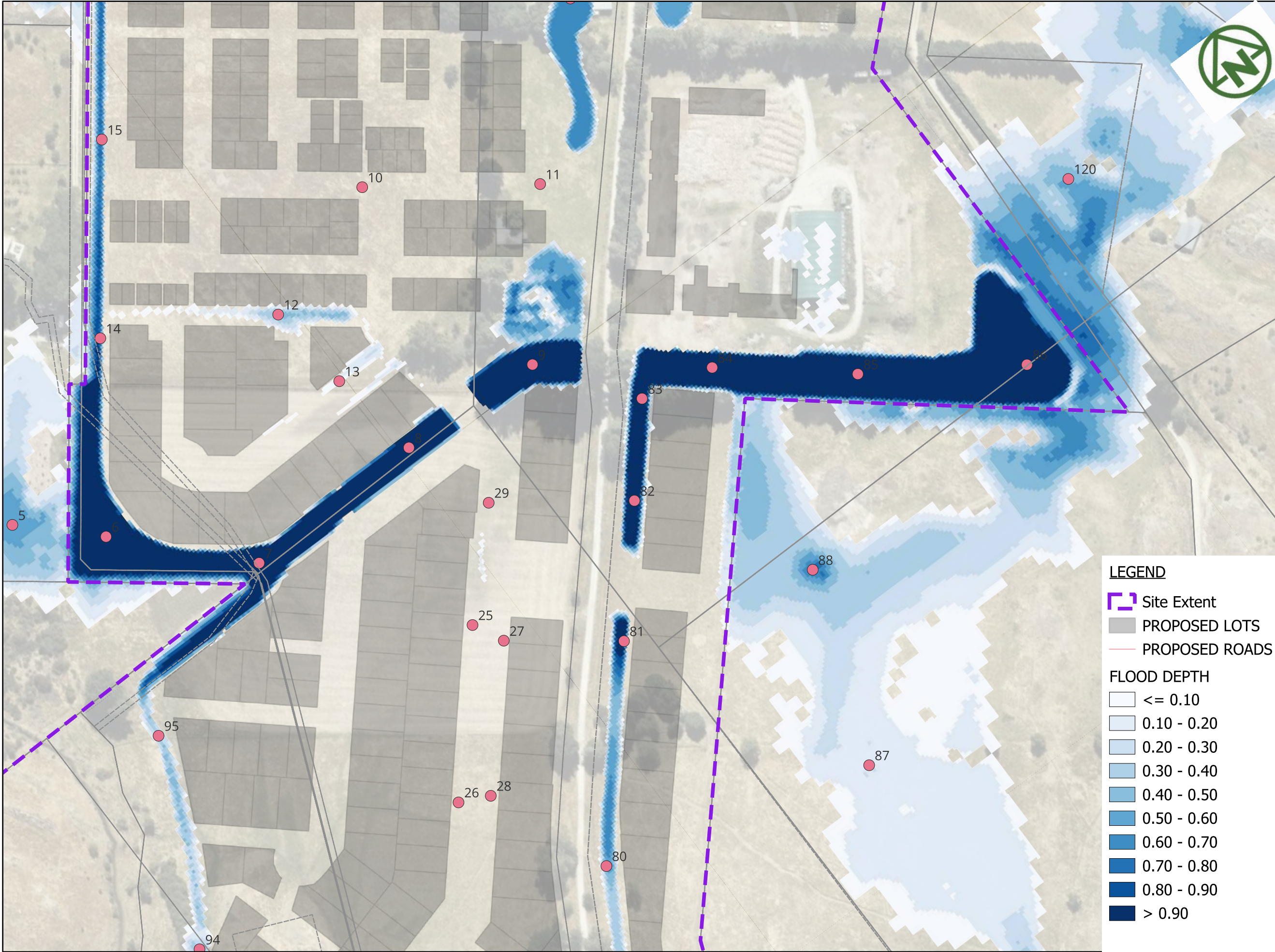
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----				



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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/ 1 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 2



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
5	368.41	0.36	0.554	367.86	0.2
6	368.36	0.26	1.221	367.14	0.32
7	368.31	0.57	1.391	366.92	0.8
8	368.28	0.72	2.429	365.85	1.74
9	368.23	0.34	3.146	365.08	1.06
10	NULL	NULL	NULL	369.15	NULL
11	NULL	NULL	NULL	368.79	NULL
12	369.47	0.09	0.418	368.96	0.04
13	369.38	0.06	0.068	369.27	0
14	368.39	0.4	0.881	367.43	0.35
15	368.55	0.64	0.507	367.73	0.33
25	NULL	NULL	NULL	369.43	NULL
26	NULL	NULL	NULL	370.27	NULL
27	NULL	NULL	NULL	369.58	NULL
28	NULL	NULL	NULL	370.16	NULL
29	NULL	NULL	NULL	369.12	NULL
80	369.56	1.01	0.464	369	0.47
81	368.61	0.74	1.094	367.5	0.8
82	368.21	0.75	1.393	366.81	1.04
83	368.2	0.92	1.484	366.71	1.37
84	368.19	0.28	3.689	364.5	1.03
85	368.18	0.29	3.682	364.5	1.06
86	368.18	0.11	3.68	364.5	0.39
87	368.99	0.59	0.196	368.79	0.12
88	368.29	0.18	0.668	367.42	0.12
94	375.43	1.08	0.407	375.02	0.44
95	369.22	1.87	0.336	368.75	0.63
120	368.04	0.42	0.494	367.53	0.21
122	366.44	0.36	0.501	365.94	0.18

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS
- FLOOD DEPTH
- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/ 1 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 3

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4673
REV: A



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
26	NULL	NULL	NULL	370.27	NULL
28	NULL	NULL	NULL	370.16	NULL
31	NULL	NULL	NULL	393.86	NULL
32	NULL	NULL	NULL	394.36	NULL
33	399.68	0.04	0.336	399.3	0.01
34	399.67	1.37	0.171	399.4	0.24
35	NULL	NULL	NULL	417.95	NULL
36	NULL	NULL	NULL	418.1	NULL
37	NULL	NULL	NULL	413.94	NULL
39	NULL	NULL	NULL	414.23	NULL
79	375.1	1.38	0.33	374.78	0.46
80	369.56	1.01	0.464	369	0.47
89	409.89	0.26	0.693	409.2	0.18
90	409.89	0.24	0.693	409.2	0.16
91	409.84	1.1	0.329	409.45	0.36
92	404.09	1.66	0.152	403.82	0.25
92	396.2	2.28	0.146	396.4	0.33
93	385.01	1.92	0.14	385.66	0.27
94	375.43	1.08	0.407	375.02	0.44
108	378.52	0.12	0.515	378	0.06
30	391.67	0.03	0.818	390.81	0.03

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4674
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/ 1 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 4



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
31	NULL	NULL	NULL	393.86	NULL
32	NULL	NULL	NULL	394.36	NULL
33	399.68	0.04	0.336	399.3	0.01
34	399.67	1.37	0.171	399.4	0.24
62	NULL	NULL	NULL	388.03	NULL
72	NULL	NULL	NULL	383.24	NULL
76	375.67	0.39	0.451	375.06	0.18
78	373.8	0.82	0.388	373.22	0.32
79	375.1	1.38	0.33	374.78	0.46
92	404.09	1.66	0.152	403.82	0.25
92	396.2	2.28	0.146	396.4	0.33
93	385.01	1.92	0.14	385.66	0.27
108	378.52	0.12	0.515	378	0.06
30	391.67	0.03	0.818	390.81	0.03

LEGEND

Site Extent

PROPOSED LOTS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

PROPOSED ROADS

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4675
REV: A

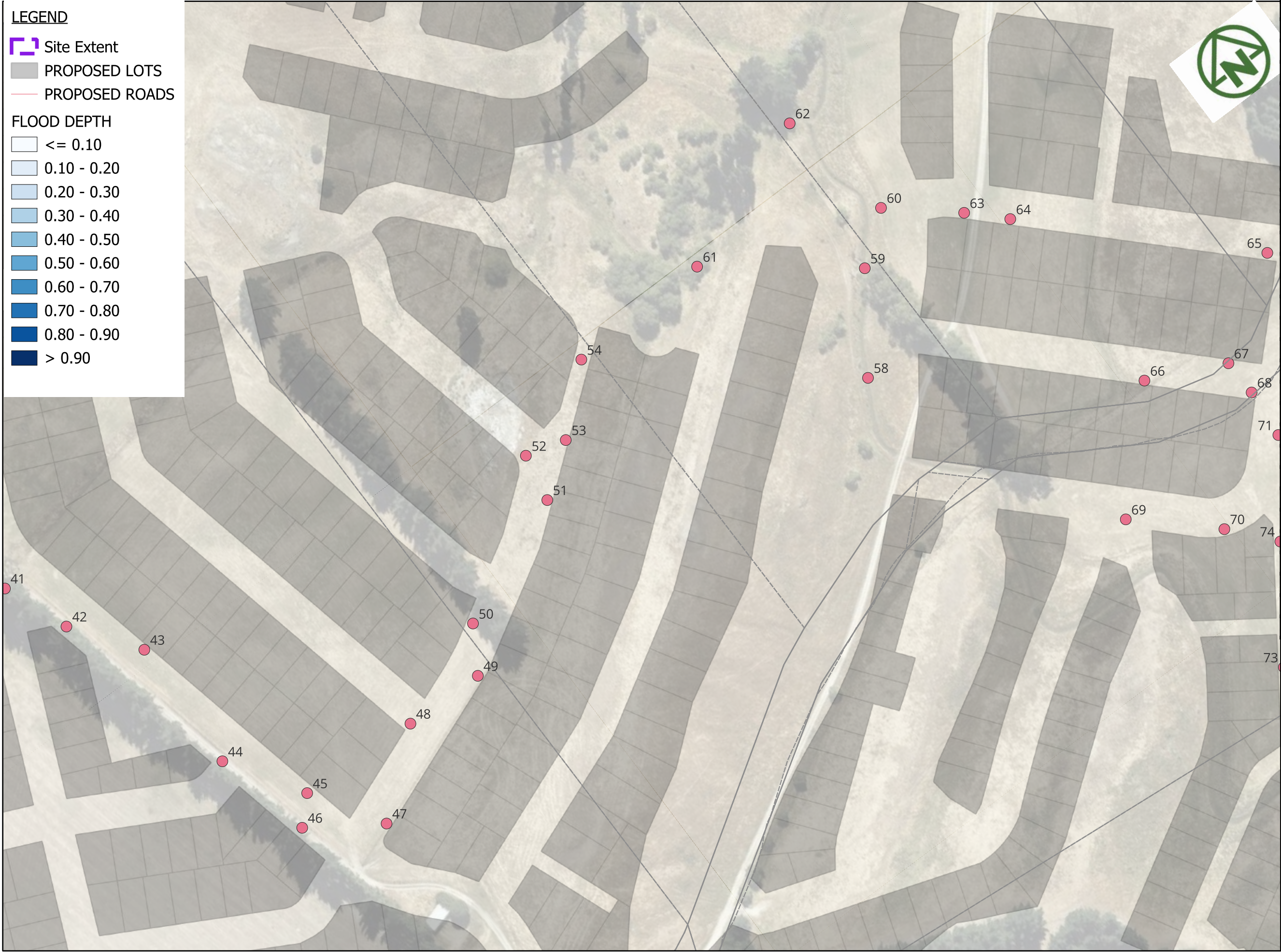
A		FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE	
PLOT DATE	----					



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/ 1 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 5



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	NULL	NULL	NULL	411.75	NULL
42	NULL	NULL	NULL	411.67	NULL
43	NULL	NULL	NULL	411.64	NULL
44	NULL	NULL	NULL	411.23	NULL
45	NULL	NULL	NULL	410.51	NULL
46	NULL	NULL	NULL	410.32	NULL
47	NULL	NULL	NULL	409.53	NULL
48	NULL	NULL	NULL	409.24	NULL
49	NULL	NULL	NULL	408.69	NULL
50	NULL	NULL	NULL	408.68	NULL
51	NULL	NULL	NULL	406.67	NULL
52	NULL	NULL	NULL	406.5	NULL
53	NULL	NULL	NULL	406.05	NULL
54	NULL	NULL	NULL	405.6	NULL
58	NULL	NULL	NULL	385.33	NULL
59	NULL	NULL	NULL	385.44	NULL
60	NULL	NULL	NULL	384.09	NULL
61	NULL	NULL	NULL	393.65	NULL
62	NULL	NULL	NULL	388.03	NULL
63	NULL	NULL	NULL	383.42	NULL
66	NULL	NULL	NULL	383.67	NULL
65	NULL	NULL	NULL	383.37	NULL
67	NULL	NULL	NULL	383.48	NULL
68	NULL	NULL	NULL	383.63	NULL
69	NULL	NULL	NULL	384.18	NULL
70	NULL	NULL	NULL	383.95	NULL
71	NULL	NULL	NULL	383.77	NULL
74	NULL	NULL	NULL	383.88	NULL
64	NULL	NULL	NULL	383.54	NULL

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4676
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE					



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/ 1 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 6

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	NULL	NULL	NULL	411.75	NULL
42	NULL	NULL	NULL	411.67	NULL
43	NULL	NULL	NULL	411.64	NULL
44	NULL	NULL	NULL	411.23	NULL
45	NULL	NULL	NULL	410.51	NULL
46	NULL	NULL	NULL	410.32	NULL
47	NULL	NULL	NULL	409.53	NULL
48	NULL	NULL	NULL	409.24	NULL
49	NULL	NULL	NULL	408.69	NULL
50	NULL	NULL	NULL	408.68	NULL
51	NULL	NULL	NULL	406.67	NULL
52	NULL	NULL	NULL	406.5	NULL
53	NULL	NULL	NULL	406.05	NULL
54	NULL	NULL	NULL	405.6	NULL
55	NULL	NULL	NULL	420.74	NULL
56	NULL	NULL	NULL	416.79	NULL
57	NULL	NULL	NULL	416.31	NULL
96	NULL	NULL	NULL	416.66	NULL
97	NULL	NULL	NULL	416.73	NULL
150	NULL	NULL	NULL	425	NULL
151	NULL	NULL	NULL	425	NULL
152	NULL	NULL	NULL	425	NULL
154	NULL	NULL	NULL	430	NULL



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4677 REV: A

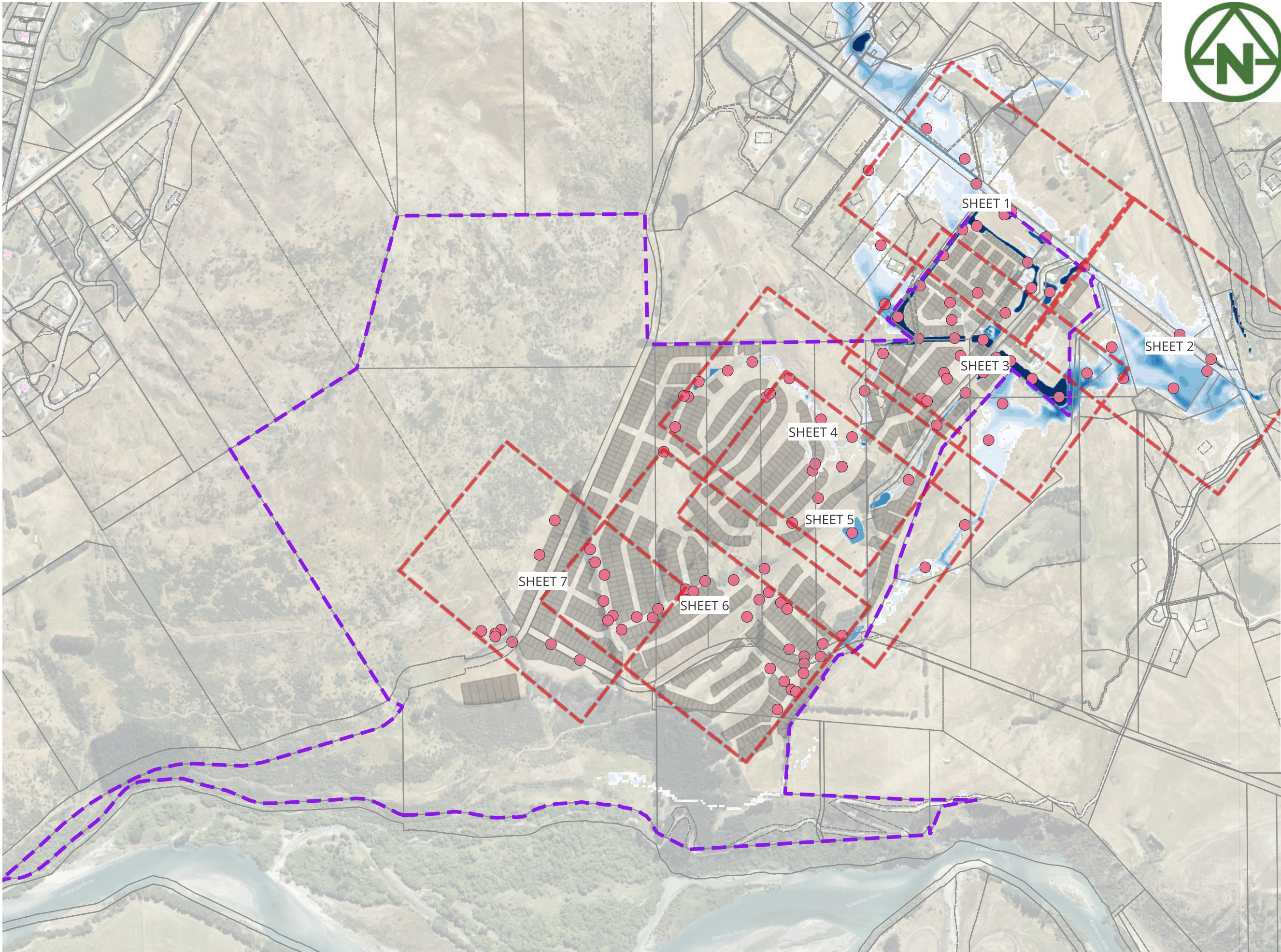
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/ 10 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
SHEET 7



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4680

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE

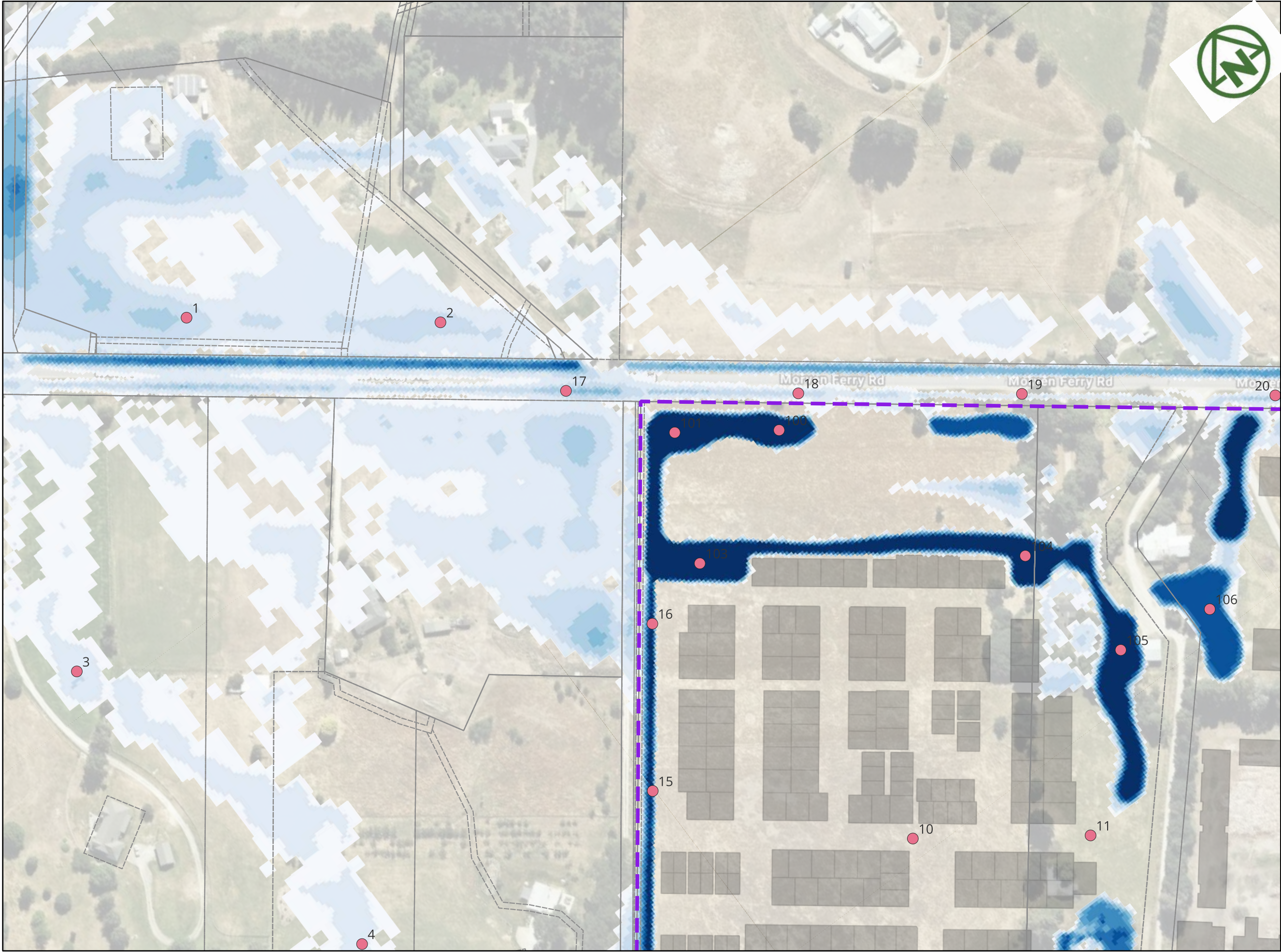


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/ 10 AEP (INFLOW BC)
POST-DEVELOPMENT EXTENT
OVERALL



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.97	0.65	0.28	371.67	0.18
2	370.75	0.52	0.22	370.53	0.11
3	370.94	0.25	0.195	370.74	0.05
4	369.23	0.44	0.125	369.06	0.05
10	NULL	NULL	NULL	369.15	NULL
11	NULL	NULL	NULL	368.79	NULL
15	368.77	0.83	0.689	367.73	0.57
16	369.04	0.26	1.008	367.98	0.26
17	370.2	0.68	0.399	369.59	0.27
18	369.28	1.07	0.282	368.84	0.3
19	368.51	0.85	0.157	368.38	0.13
20	367.5	1.16	0.194	367.38	0.22
100	369.05	0.07	1.383	367.66	0.09
101	369.05	0.06	1.382	367.66	0.09
103	369.02	0.21	1.358	367.66	0.29
104	368.77	0.31	1.104	367.66	0.34
105	368.64	0.14	0.976	367.66	0.14
106	368.48	0.08	0.817	367.66	0.06

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4681
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE



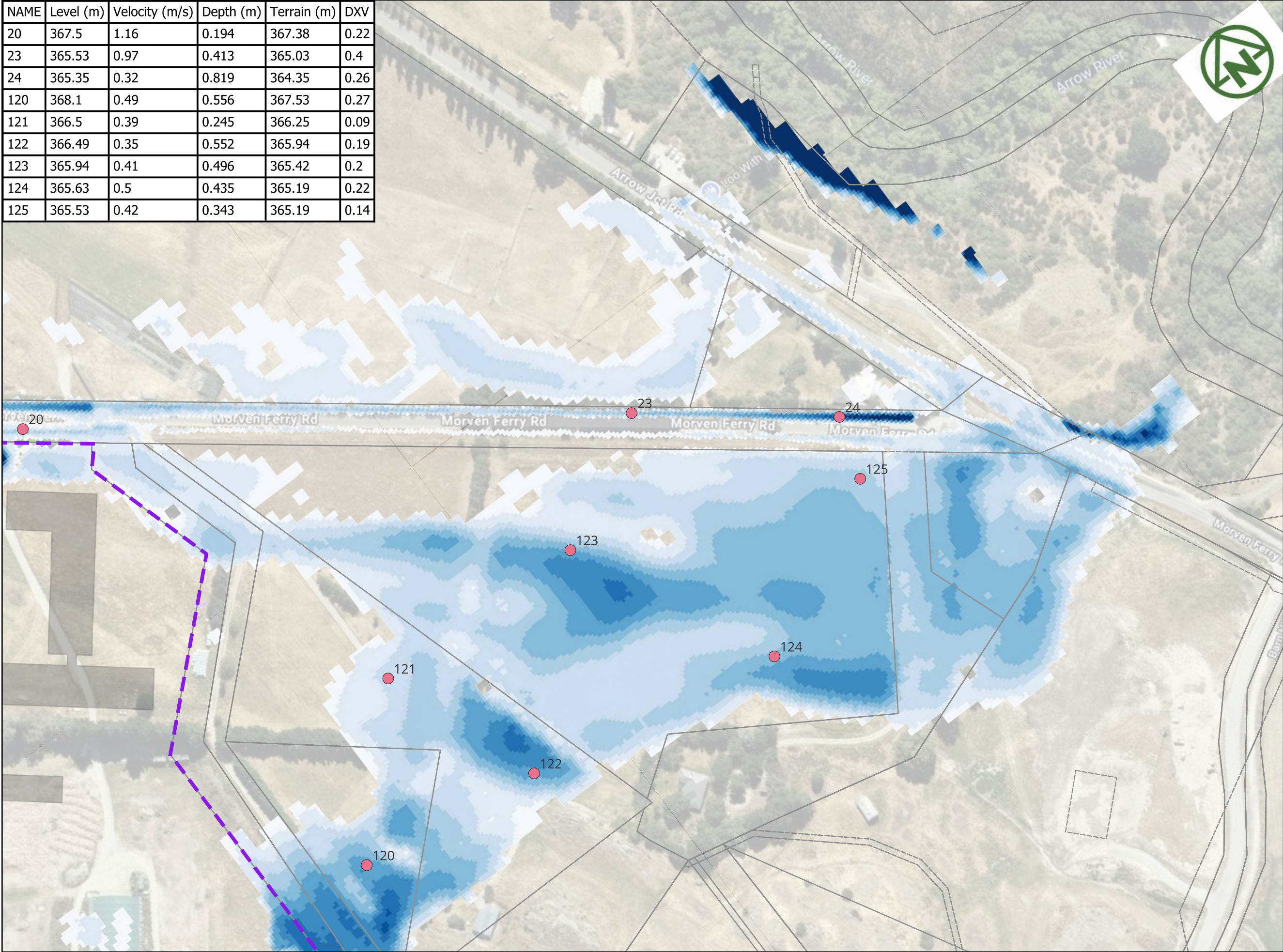
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER FLOOD EVENT
Q 10YEAR/10AEP
(INFLOW BC | BL01)
POST-DEVELOPMENT EXTENT
SHEET 1

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
20	367.5	1.16	0.194	367.38	0.22
23	365.53	0.97	0.413	365.03	0.4
24	365.35	0.32	0.819	364.35	0.26
120	368.1	0.49	0.556	367.53	0.27
121	366.5	0.39	0.245	366.25	0.09
122	366.49	0.35	0.552	365.94	0.19
123	365.94	0.41	0.496	365.42	0.2
124	365.63	0.5	0.435	365.19	0.22
125	365.53	0.42	0.343	365.19	0.14



LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4682
REV: A

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026

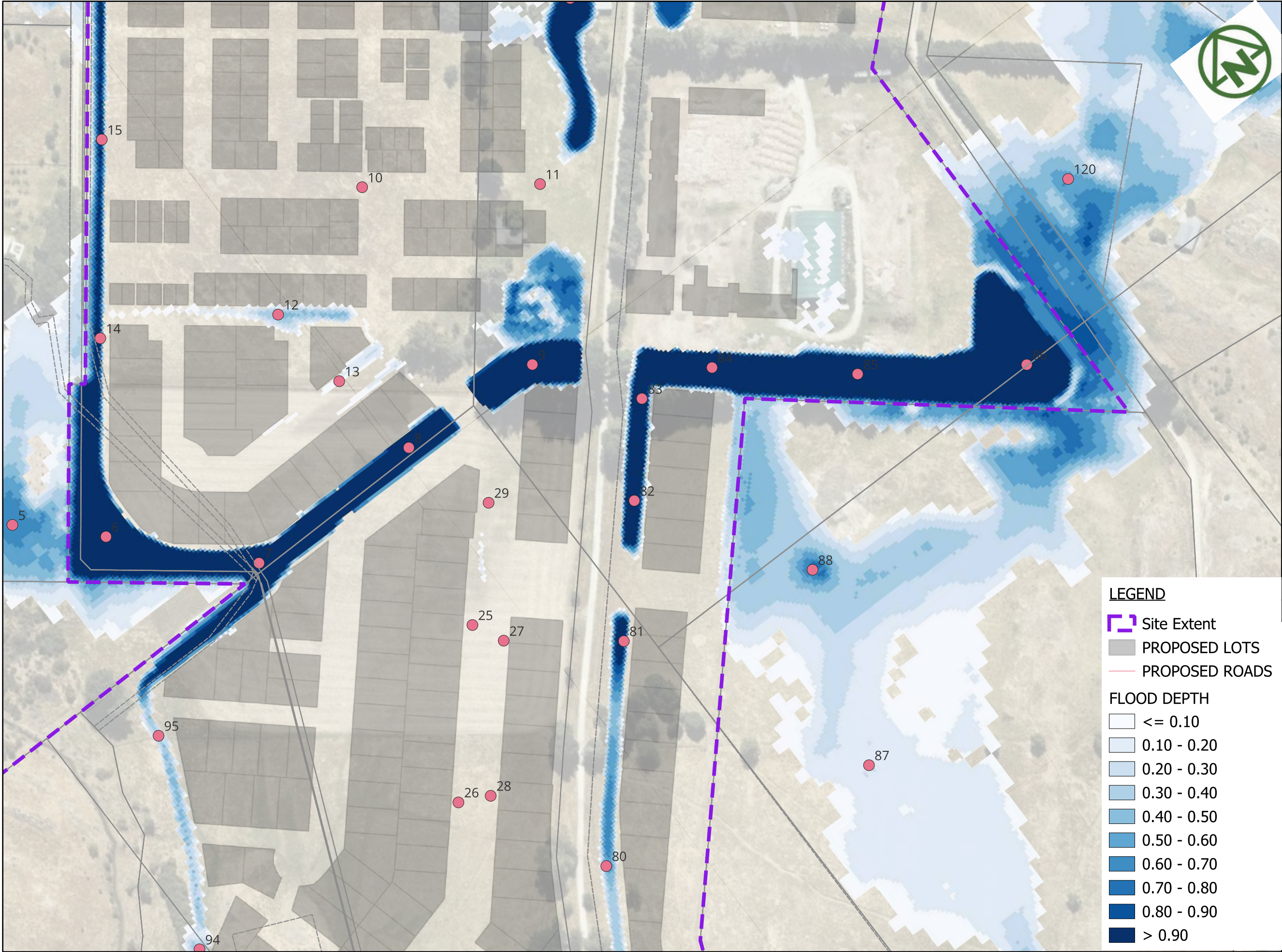


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER FLOOD EVENT
Q 10YEAR/10AEP
(INFLOW BC | BL01)
POST-DEVELOPMENT EXTENT
SHEET 2



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
5	368.51	0.35	0.65	367.86	0.23
6	368.49	0.21	1.348	367.14	0.28
7	368.44	0.43	1.513	366.92	0.66
8	368.4	0.57	2.548	365.85	1.44
9	368.32	0.31	3.237	365.08	1.02
10	NULL	NULL	NULL	369.15	NULL
11	NULL	NULL	NULL	368.79	NULL
12	369.47	0.09	0.418	368.96	0.04
13	369.38	0.06	0.068	369.27	0
14	368.53	0.49	1.023	367.43	0.5
15	368.77	0.83	0.689	367.73	0.57
25	NULL	NULL	NULL	369.43	NULL
26	NULL	NULL	NULL	370.27	NULL
27	NULL	NULL	NULL	369.58	NULL
28	NULL	NULL	NULL	370.16	NULL
29	NULL	NULL	NULL	369.12	NULL
80	369.56	1.01	0.464	369	0.47
81	368.71	0.73	1.185	367.5	0.87
82	368.29	0.6	1.469	366.81	0.88
83	368.28	0.69	1.562	366.71	1.08
84	368.27	0.31	3.766	364.5	1.16
85	368.26	0.31	3.758	364.5	1.17
86	368.26	0.12	3.756	364.5	0.44
87	368.99	0.59	0.196	368.79	0.12
88	368.31	0.18	0.689	367.42	0.12
94	375.43	1.08	0.408	375.02	0.44
95	369.22	1.87	0.336	368.75	0.63
120	368.1	0.49	0.556	367.53	0.27
122	366.49	0.35	0.552	365.94	0.19

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4683

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER FLOOD EVENT
Q 10YEAR/10AEP
(INFLOW BC | BL01)
POST-DEVELOPMENT EXTENT
SHEET 3



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
26	NULL	NULL	NULL	370.27	NULL
28	NULL	NULL	NULL	370.16	NULL
31	NULL	NULL	NULL	393.86	NULL
32	NULL	NULL	NULL	394.36	NULL
33	399.67	0.04	0.335	399.3	0.01
34	399.67	1.37	0.171	399.4	0.23
35	NULL	NULL	NULL	417.95	NULL
36	NULL	NULL	NULL	418.1	NULL
37	NULL	NULL	NULL	413.94	NULL
39	NULL	NULL	NULL	414.23	NULL
79	375.1	1.38	0.331	374.78	0.46
80	369.56	1.01	0.464	369	0.47
89	409.82	0.26	0.622	409.2	0.16
90	409.82	0.24	0.622	409.2	0.15
91	409.84	1.1	0.329	409.45	0.36
92	404.09	1.66	0.152	403.82	0.25
92	396.2	2.28	0.146	396.4	0.33
93	385.01	1.92	0.14	385.66	0.27
94	375.43	1.08	0.408	375.02	0.44
108	378.52	0.12	0.515	378	0.06
30	391.67	0.03	0.818	390.81	0.03

LEGEND

Site Extent

PROPOSED LOTS

PROPOSED ROADS

FLOOD DEPTH

<= 0.10

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

> 0.90

MAP PROJECTION:

NZGD2000 / Mount Nicholas 2000
(EPSG:2128)



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
31	NULL	NULL	NULL	393.86	NULL
32	NULL	NULL	NULL	394.36	NULL
33	399.67	0.04	0.335	399.3	0.01
34	399.67	1.37	0.171	399.4	0.23
62	NULL	NULL	NULL	388.03	NULL
72	NULL	NULL	NULL	383.24	NULL
76	375.67	0.39	0.451	375.06	0.18
78	373.8	0.82	0.388	373.22	0.32
79	375.1	1.38	0.331	374.78	0.46
92	404.09	1.66	0.152	403.82	0.25
92	396.2	2.28	0.146	396.4	0.33
93	385.01	1.92	0.14	385.66	0.27
108	378.52	0.12	0.515	378	0.06
30	391.67	0.03	0.818	390.81	0.03

LEGEND

- Site Extent
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4685
REV: A

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER FLOOD EVENT
Q 10YEAR/10AEP
(INFLOW BC | BL01)
POST-DEVELOPMENT EXTENT
SHEET 5

LEGEND



Site Extent

PROPOSED LOTS

— PROPOSED ROADS

FLOOD DEPTH

$$\square \leq 0.10$$

0.10 - 0.20

0.20 - 0.30

0.30 - 0.40

0.40 - 0.50

0.50 - 0.60

0.60 - 0.70

0.70 - 0.80

0.80 - 0.90

■ > 0.90



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	NULL	NULL	NULL	411.75	NULL
42	NULL	NULL	NULL	411.67	NULL
43	NULL	NULL	NULL	411.64	NULL
44	NULL	NULL	NULL	411.23	NULL
45	NULL	NULL	NULL	410.51	NULL
46	NULL	NULL	NULL	410.32	NULL
47	NULL	NULL	NULL	409.53	NULL
48	NULL	NULL	NULL	409.24	NULL
49	NULL	NULL	NULL	408.69	NULL
50	NULL	NULL	NULL	408.68	NULL
51	NULL	NULL	NULL	406.67	NULL
52	NULL	NULL	NULL	406.5	NULL
53	NULL	NULL	NULL	406.05	NULL
54	NULL	NULL	NULL	405.6	NULL
58	NULL	NULL	NULL	385.33	NULL
59	NULL	NULL	NULL	385.44	NULL
60	NULL	NULL	NULL	384.09	NULL
61	NULL	NULL	NULL	393.65	NULL
62	NULL	NULL	NULL	388.03	NULL
63	NULL	NULL	NULL	383.42	NULL
66	NULL	NULL	NULL	383.67	NULL
65	NULL	NULL	NULL	383.37	NULL
67	NULL	NULL	NULL	383.48	NULL
68	NULL	NULL	NULL	383.63	NULL
69	NULL	NULL	NULL	384.18	NULL
70	NULL	NULL	NULL	383.95	NULL
71	NULL	NULL	NULL	383.77	NULL
74	NULL	NULL	NULL	383.88	NULL
64	NULL	NULL	NULL	383.54	NULL

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:

RESOURCE CONSENT

SCALE: 1:2,500

DRAWING NO: 4048-0-4686 REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE

PLOT DATE: ---- WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.



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ARROW JUNCTION
QUEENSTOWN

STORMWATER FLOOD EVENT
Q 10YEAR/10AEP
(INFLOW BC | BL01)
POST-DEVELOPMENT EXTENT
SHEET 6

PURPOSE OF ISSUE:

RESOURCE CONSENT

SCALE: 1:2,500

DRAWING NO: 4048-0-4686 REV: A

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	NULL	NULL	NULL	411.75	NULL
42	NULL	NULL	NULL	411.67	NULL
43	NULL	NULL	NULL	411.64	NULL
44	NULL	NULL	NULL	411.23	NULL
45	NULL	NULL	NULL	410.51	NULL
46	NULL	NULL	NULL	410.32	NULL
47	NULL	NULL	NULL	409.53	NULL
48	NULL	NULL	NULL	409.24	NULL
49	NULL	NULL	NULL	408.69	NULL
50	NULL	NULL	NULL	408.68	NULL
51	NULL	NULL	NULL	406.67	NULL
52	NULL	NULL	NULL	406.5	NULL
53	NULL	NULL	NULL	406.05	NULL
54	NULL	NULL	NULL	405.6	NULL
55	NULL	NULL	NULL	420.74	NULL
56	NULL	NULL	NULL	416.79	NULL
57	NULL	NULL	NULL	416.31	NULL
96	NULL	NULL	NULL	416.66	NULL
97	NULL	NULL	NULL	416.73	NULL
150	NULL	NULL	NULL	425	NULL
151	NULL	NULL	NULL	425	NULL
152	NULL	NULL	NULL	425	NULL
154	NULL	NULL	NULL	430	NULL



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= 0.10
- 0.10 - 0.20
- 0.20 - 0.30
- 0.30 - 0.40
- 0.40 - 0.50
- 0.50 - 0.60
- 0.60 - 0.70
- 0.70 - 0.80
- 0.80 - 0.90
- > 0.90

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4687 REV: A

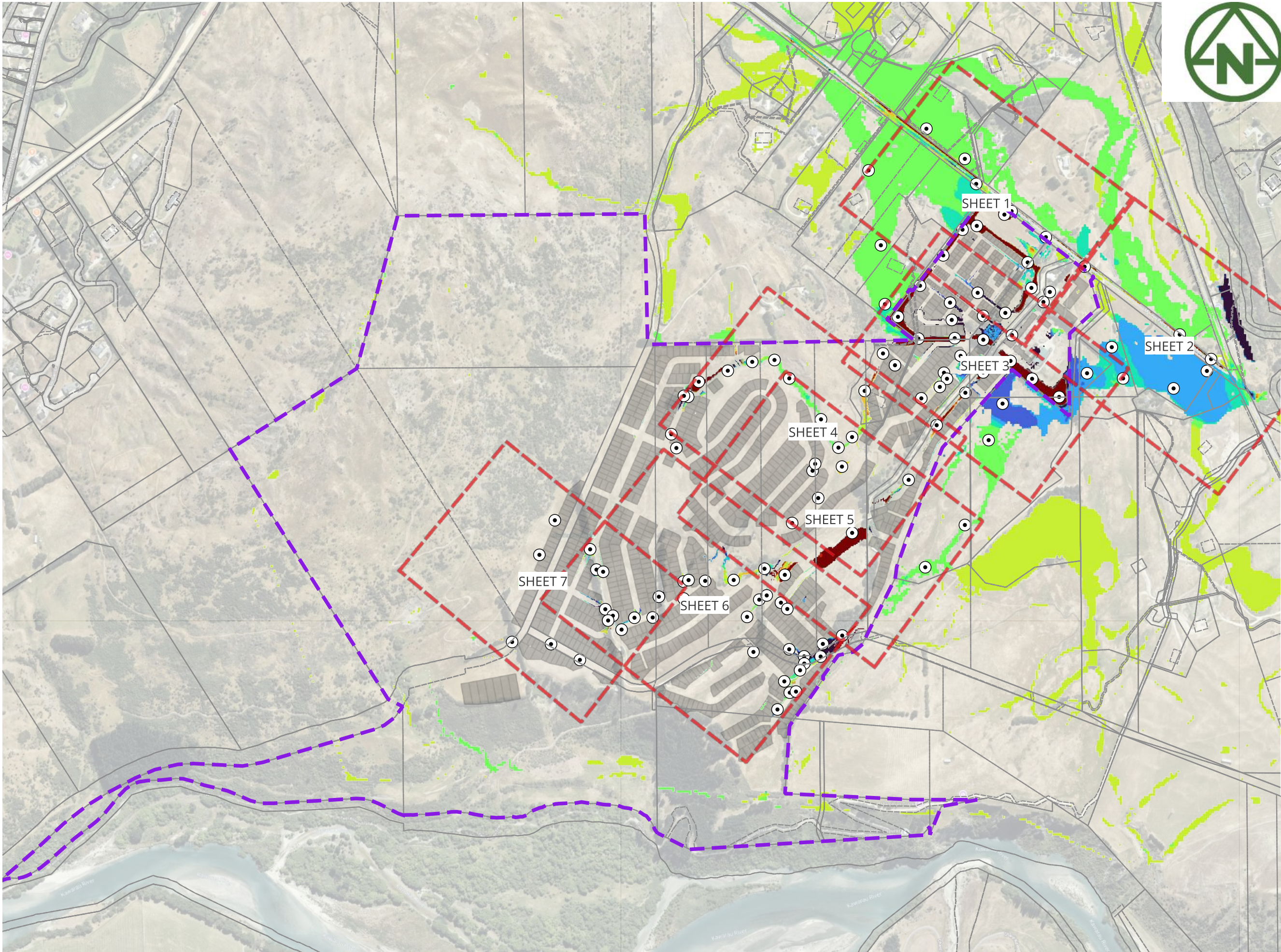
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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STORMWATER FLOOD EVENT
Q 10YEAR/10AEP
(INFLOW BC | BL01)
POST-DEVELOPMENT EXTENT
SHEET 7



- LEGEND**
- Site Extent
 - CUTSHEET
 - POINTS
 - PROPOSED LOTS
 - PROPOSED ROADS
- FLOOD DEPTH**
- ≤ -0.30
 - 0.30 - -0.22
 - 0.22 - -0.15
 - 0.15 - -0.07
 - 0.07 - 0.00
 - 0.00 - 0.07
 - 0.07 - 0.15
 - 0.15 - 0.22
 - 0.22 - 0.30
 - > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)



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QUEENSTOWN

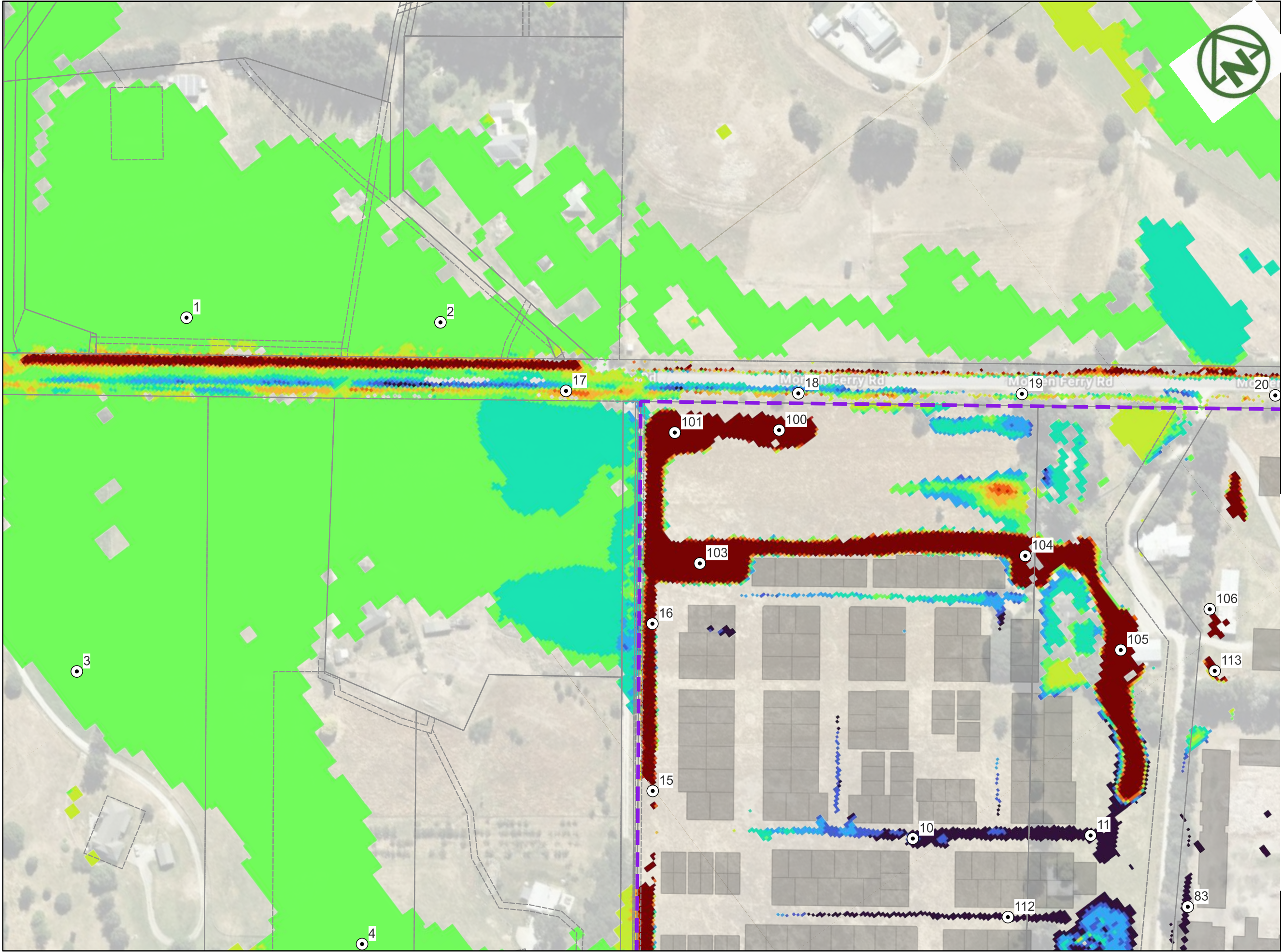
STORMWATER
FLOOD EVENT
Q 100YEAR/1 AEP
PRE VS POST
OVERALL

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4690

REV:
A



NAME	Depth PRE	Depth POST	Difference
1	0.327	0.322	-0.005
2	0.268	0.263	-0.005
3	0.426	0.405	-0.021
4	0.317	0.287	-0.029
10	0.404	0.135	-0.269
11	0.729	0.121	-0.608
15	0.076	0.805	0.729
16	0.349	1.182	0.833
17	0.228	0.352	0.124
18	0.139	0.278	0.139
19	0.152	0.156	0.004
20	0.074	0.094	0.02
83	0.765	0.214	-0.551
100	0.128	1.509	1.381
101	0.199	1.509	1.31
103	0.189	1.493	1.304
104	0.236	1.15	0.914
105	0.252	0.963	0.711
106	NULL	0.789	NULL
112	0.658	0.067	-0.591
113	0.072	0.765	0.694

LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/ 1 AEP
PRE VS POST
SHEET 1

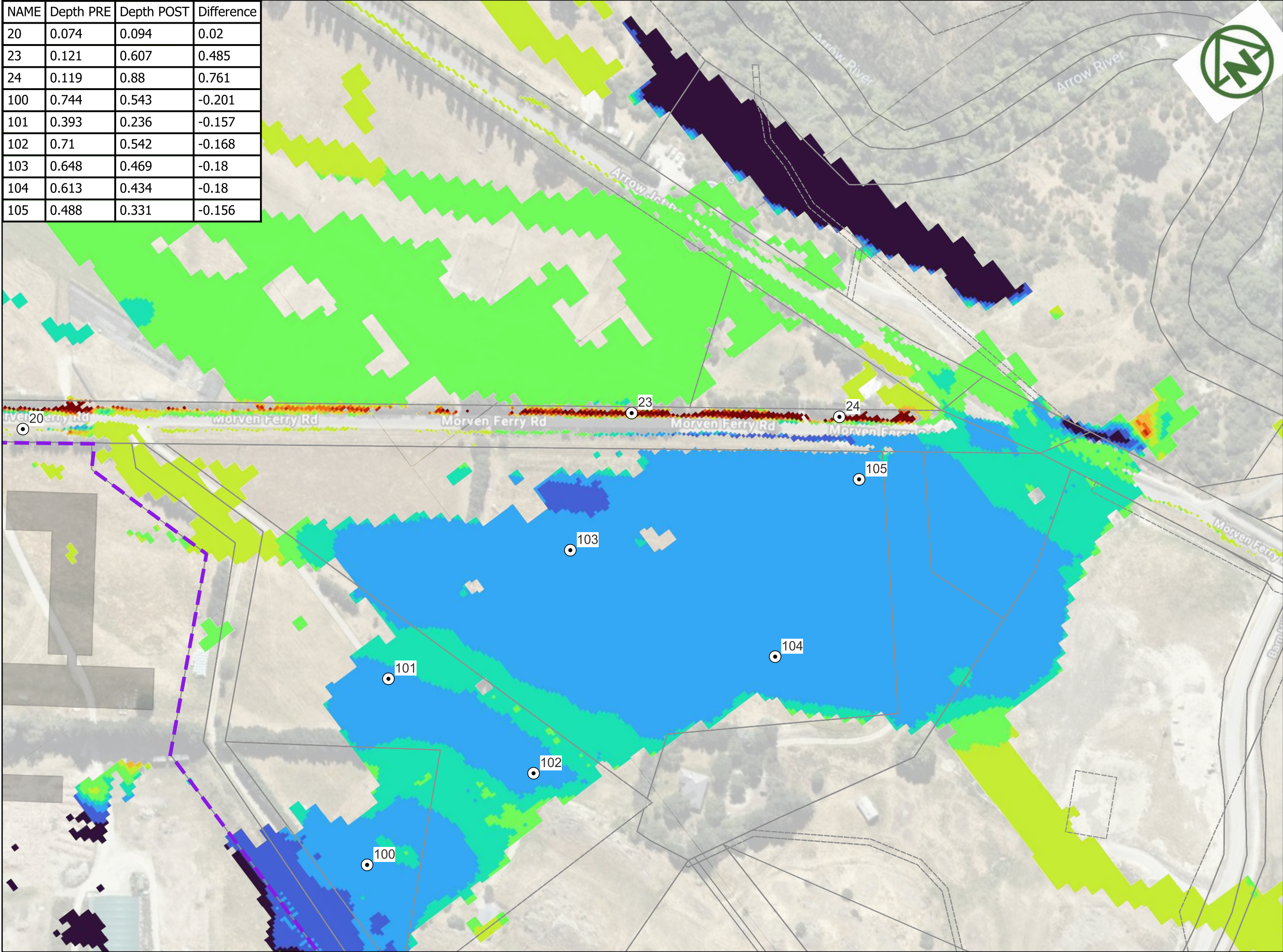
PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4691

REV:
A

NAME	Depth PRE	Depth POST	Difference
20	0.074	0.094	0.02
23	0.121	0.607	0.485
24	0.119	0.88	0.761
100	0.744	0.543	-0.201
101	0.393	0.236	-0.157
102	0.71	0.542	-0.168
103	0.648	0.469	-0.18
104	0.613	0.434	-0.18
105	0.488	0.331	-0.156



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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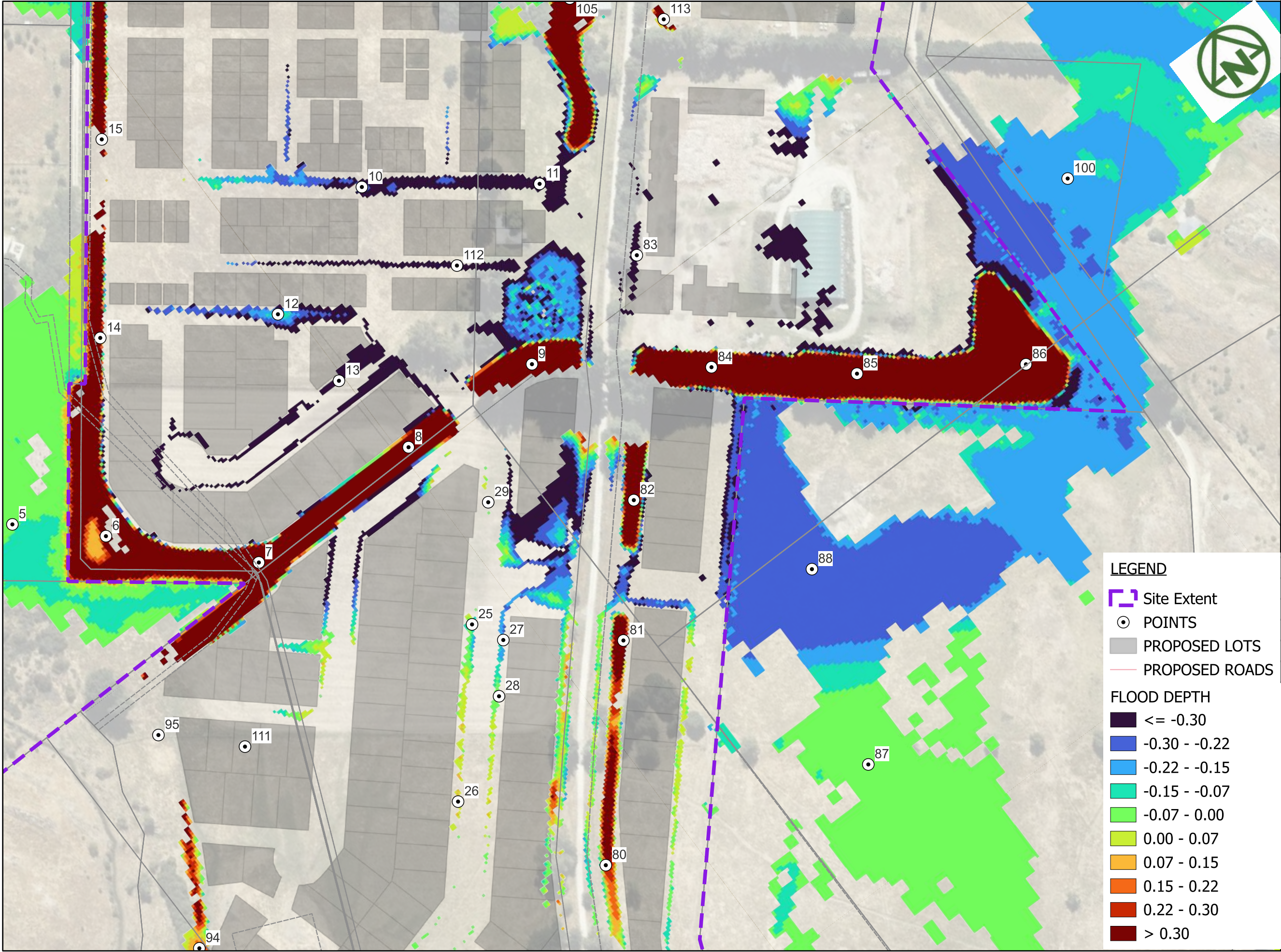
STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP
PRE VS POST
SHEET 2

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4692

REV:
A



NAME	Depth PRE	Depth POST	Difference
5	0.826	0.753	-0.074
6	0.737	1.453	0.716
7	0.295	1.603	1.307
8	0.945	2.617	1.672
9	0.601	3.264	2.664
10	0.404	0.135	-0.269
11	0.729	0.121	-0.608
12	0.536	0.388	-0.148
13	0.714	0.089	-0.625
14	0.358	1.127	0.769
15	0.076	0.805	0.729
25	0.175	0.118	-0.057
26	0.052	0.117	0.065
27	0.261	0.076	-0.185
28	0.134	NULL	NULL
29	0.083	0.079	-0.004
80	0.139	0.372	0.232
81	0.13	0.92	0.79
82	0.438	1.455	1.017
83	0.765	0.214	-0.551
84	0.593	3.75	3.157
85	0.872	3.742	2.869
86	0.723	3.739	3.016
87	0.178	0.144	-0.034
88	0.892	0.638	-0.253
94	0.296	0.483	0.187
95	NULL	0.448	NULL
111	0.367	NULL	NULL
112	0.658	0.067	-0.591
113	0.072	0.765	0.694
100	0.744	0.543	-0.201
102	0.71	0.542	-0.168

LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4693

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP
PRE VS POST
SHEET 3



NAME	Depth PRE	Depth POST	Difference
31	NULL	0.204	NULL
32	NULL	0.182	NULL
33	NULL	0.303	NULL
34	NULL	0.133	NULL
35	0.28	0.328	0.048
62	0.153	0.139	-0.015
72	0.464	0.134	-0.33
76	0.486	0.456	-0.03
78	0.292	0.257	-0.035
79	0.251	0.275	0.024
92	0.217	0.161	-0.056
92	0.183	0.147	-0.036
93	0.241	0.19	-0.051
108	0.218	3.944	3.726
30	0.732	0.822	0.09
114	0.086	1.299	1.213

LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4695
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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STORMWATER
FLOOD EVENT
Q 200YEAR/0.5AEP
PRE VS POST
SHEET 5

LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30



NAME	Depth PRE	Depth POST	Difference
41	0.101	0.281	0.18
42	0.078	0.196	0.118
43	0.091	0.132	0.041
44	0.07	0.192	0.121
45	0.162	0.112	-0.05
46	0.064	0.182	0.119
47	NULL	0.273	NULL
48	0.167	0.049	-0.118
49	NULL	0.272	NULL
50	0.764	0.082	-0.682
51	NULL	0.173	NULL
52	0.167	0.228	0.061
53	1.647	0.127	-1.519
54	NULL	0.143	NULL
58	0.16	0.31	0.149
59	0.188	0.136	-0.052
60	0.049	0.12	0.072
61	0.252	0.363	0.11
62	0.153	0.139	-0.015
63	0.238	0.288	0.05
66	0.247	0.133	-0.114
65	0.792	0.209	-0.583
67	0.6	0.315	-0.285
68	0.478	0.278	-0.2
69	0.086	0.067	-0.019
70	0.068	0.198	0.13
71	0.274	0.166	-0.108
64	0.159	0.141	-0.018
114	0.086	1.299	1.213

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4696

REV:
A

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026



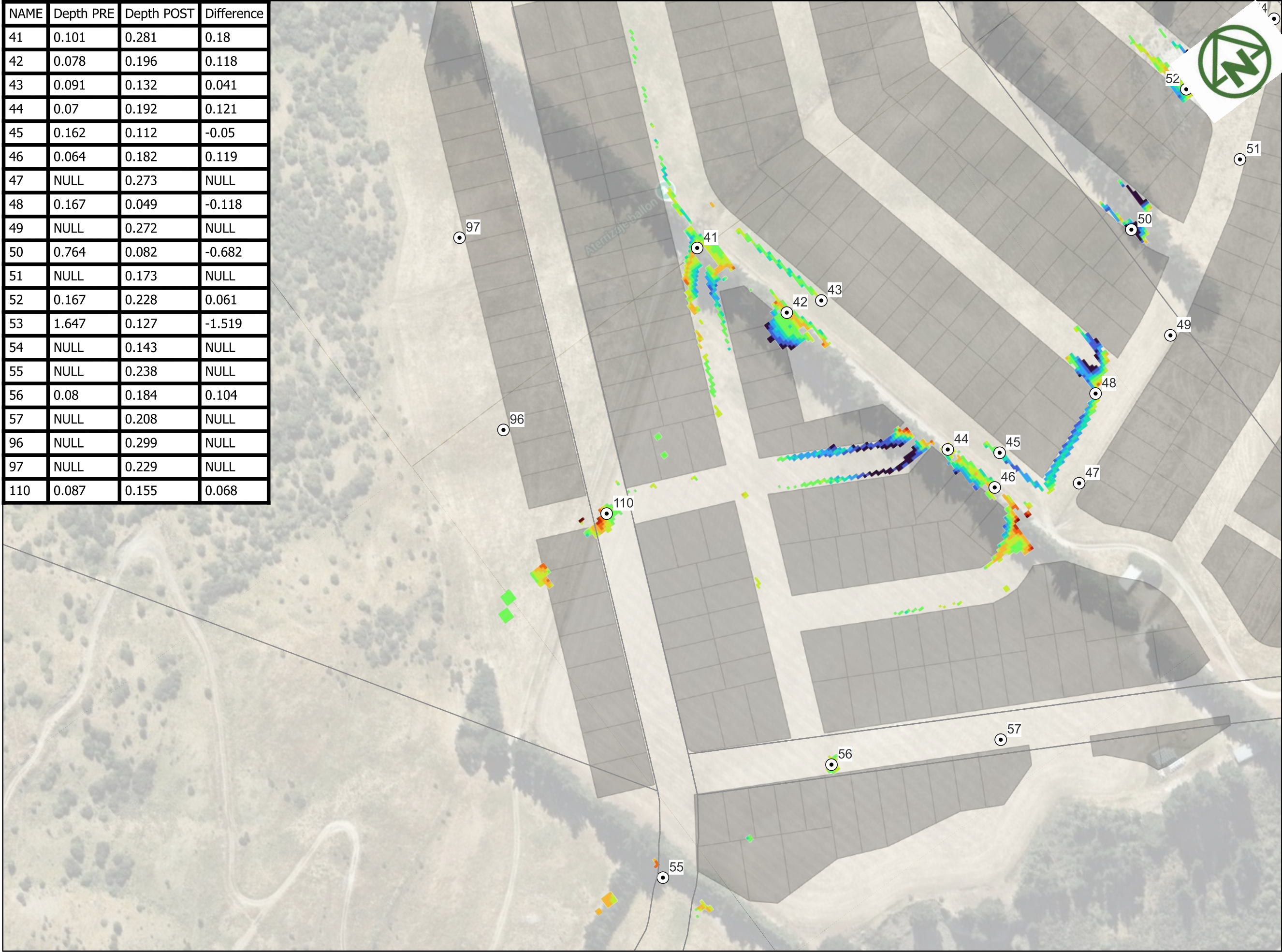
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE VS POST
SHEET 6

NAME	Depth PRE	Depth POST	Difference
41	0.101	0.281	0.18
42	0.078	0.196	0.118
43	0.091	0.132	0.041
44	0.07	0.192	0.121
45	0.162	0.112	-0.05
46	0.064	0.182	0.119
47	NULL	0.273	NULL
48	0.167	0.049	-0.118
49	NULL	0.272	NULL
50	0.764	0.082	-0.682
51	NULL	0.173	NULL
52	0.167	0.228	0.061
53	1.647	0.127	-1.519
54	NULL	0.143	NULL
55	NULL	0.238	NULL
56	0.08	0.184	0.104
57	NULL	0.208	NULL
96	NULL	0.299	NULL
97	NULL	0.229	NULL
110	0.087	0.155	0.068



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4697 REV: A

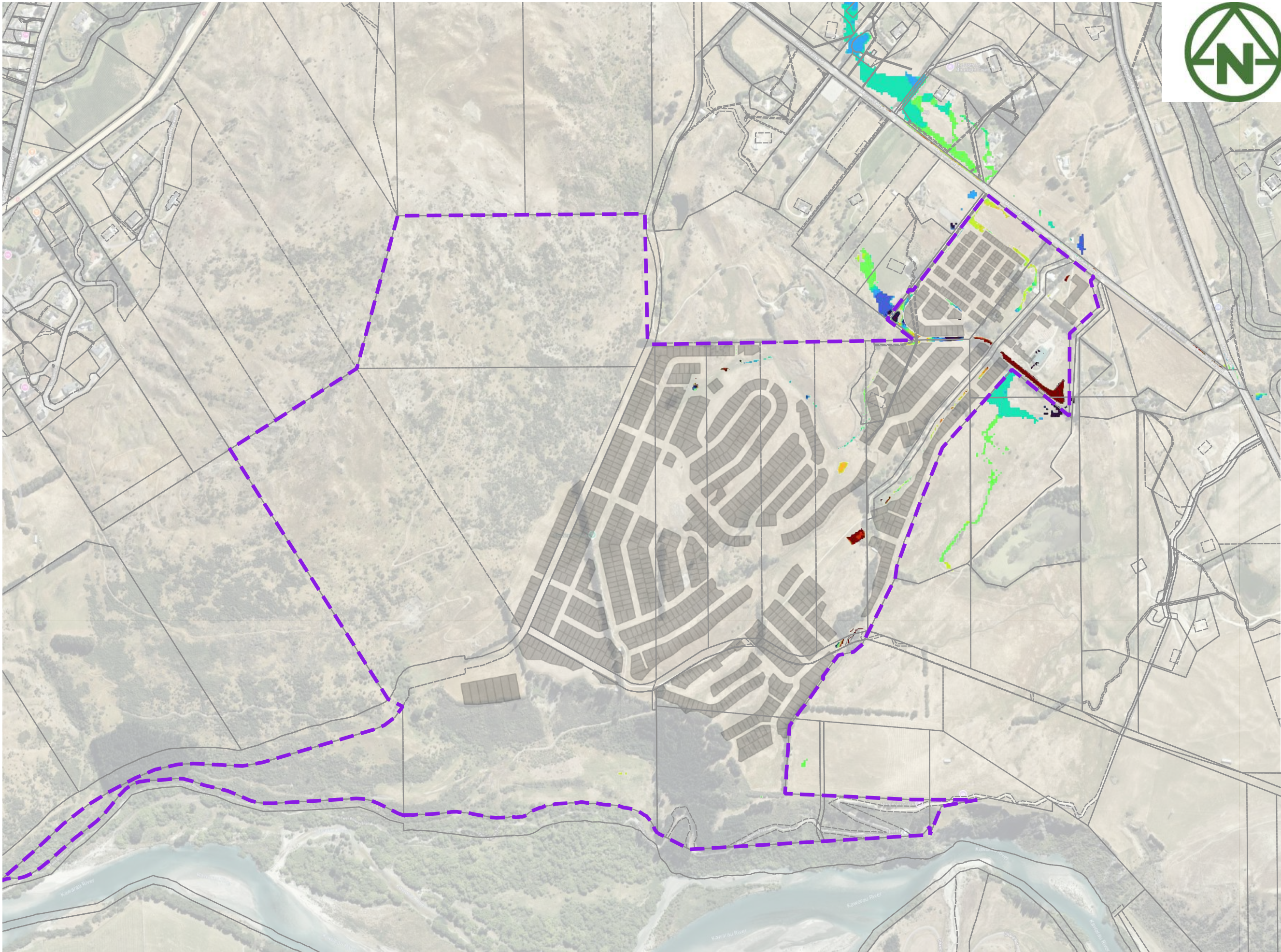
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE VS POST
SHEET 7



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4698

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	-----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		

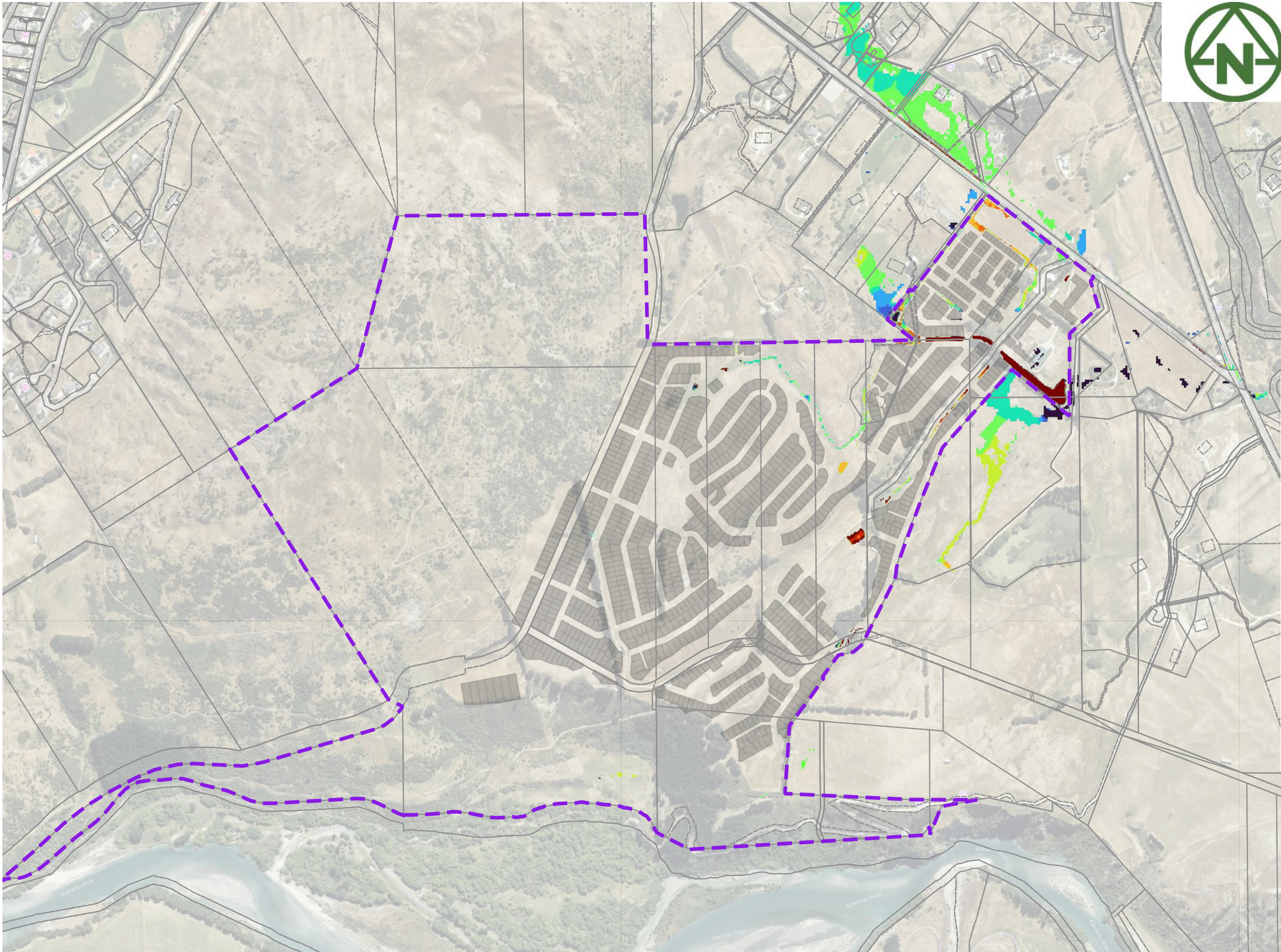


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/50 AEP
PRE VS POST



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4699

REV:
A

A	FIRST ISSUE				PK	SL	JK	09/02/2026
REV	DESCRIPTION				DRN	BYCHK	BY APP	BY DATE
PLOT DATE		----	WWW.MCKENZIEANDCO.CO.NZ				THIS DR	



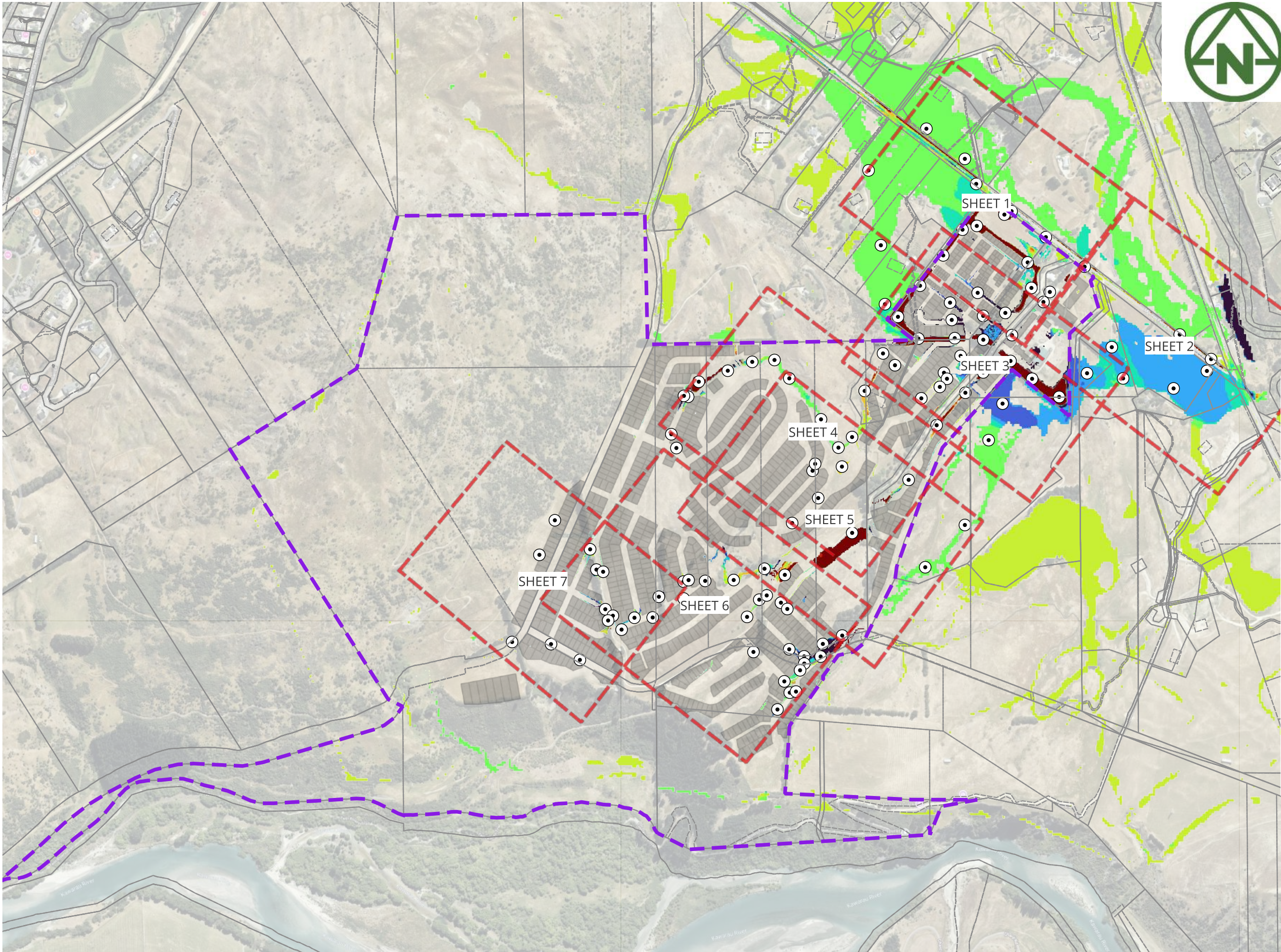
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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/10 AEP
PRE VS POST

APPENDIX E – FLOOD DIFFERENCE PLANS



LEGEND

- Site Extent
- CUTSHEET
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)



MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

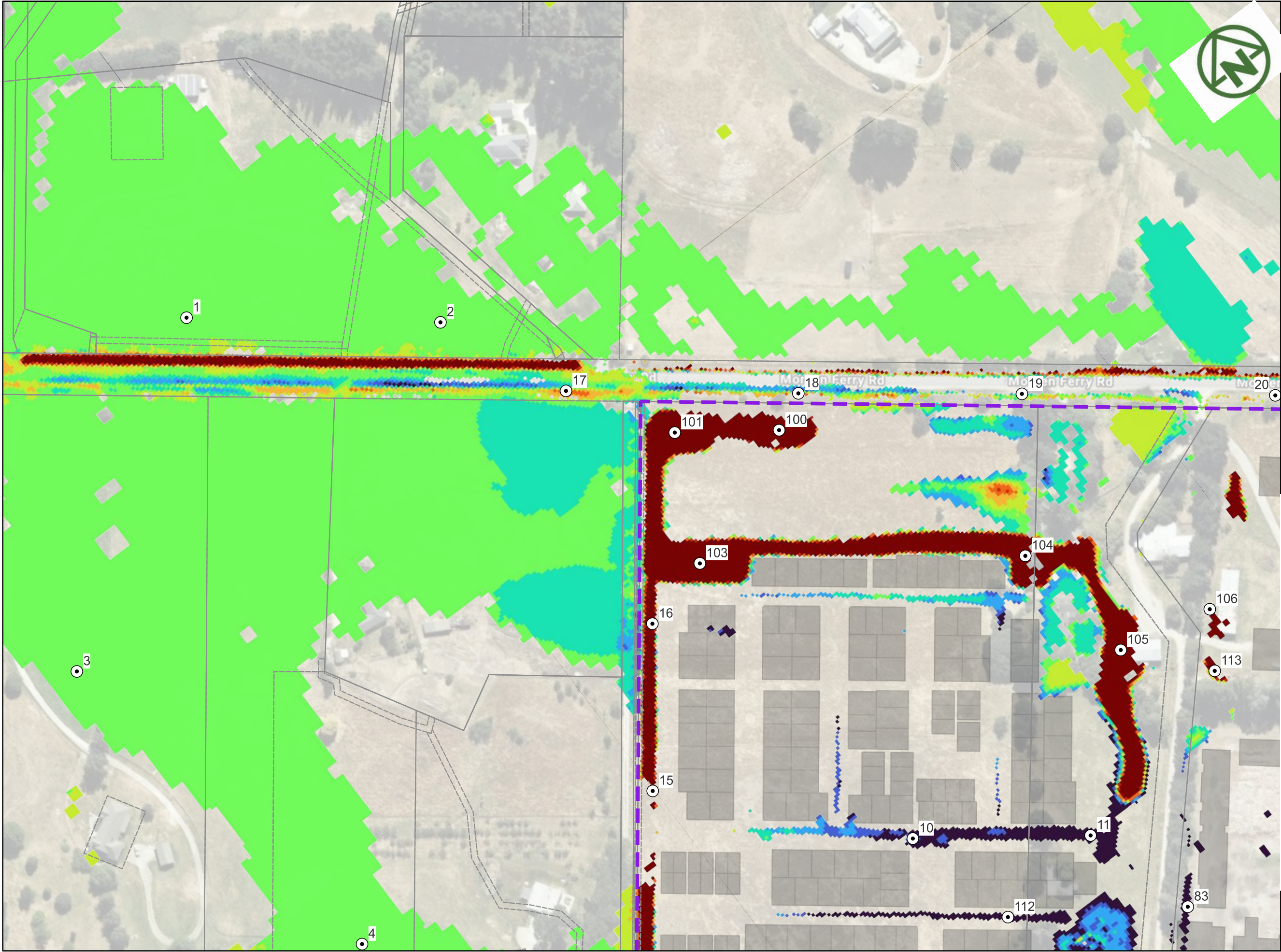
STORMWATER
FLOOD EVENT
Q 100YEAR/1 AEP
PRE VS POST
OVERALL

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4690

REV:
A



NAME	Depth PRE	Depth POST	Difference
1	0.327	0.322	-0.005
2	0.268	0.263	-0.005
3	0.426	0.405	-0.021
4	0.317	0.287	-0.029
10	0.404	0.135	-0.269
11	0.729	0.121	-0.608
15	0.076	0.805	0.729
16	0.349	1.182	0.833
17	0.228	0.352	0.124
18	0.139	0.278	0.139
19	0.152	0.156	0.004
20	0.074	0.094	0.02
83	0.765	0.214	-0.551
100	0.128	1.509	1.381
101	0.199	1.509	1.31
103	0.189	1.493	1.304
104	0.236	1.15	0.914
105	0.252	0.963	0.711
106	NULL	0.789	NULL
112	0.658	0.067	-0.591
113	0.072	0.765	0.694

LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- $-0.30 - -0.22$
- $-0.22 - -0.15$
- $-0.15 - -0.07$
- $-0.07 - 0.00$
- $0.00 - 0.07$
- $0.07 - 0.15$
- $0.15 - 0.22$
- $0.22 - 0.30$
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/ 1 AEP
PRE VS POST
SHEET 1

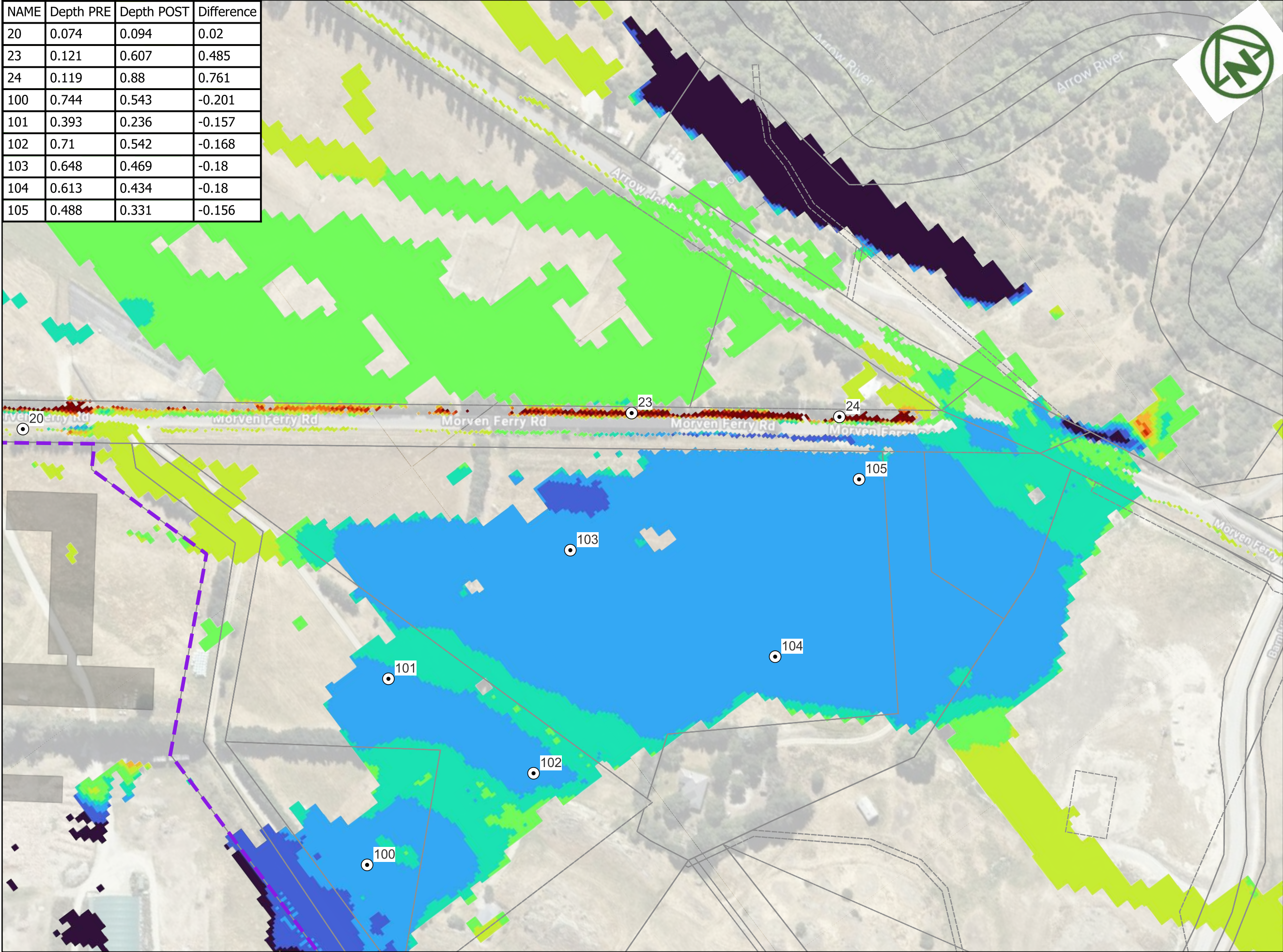
PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4691

REV:
A

NAME	Depth PRE	Depth POST	Difference
20	0.074	0.094	0.02
23	0.121	0.607	0.485
24	0.119	0.88	0.761
100	0.744	0.543	-0.201
101	0.393	0.236	-0.157
102	0.71	0.542	-0.168
103	0.648	0.469	-0.18
104	0.613	0.434	-0.18
105	0.488	0.331	-0.156



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4692

REV:
A

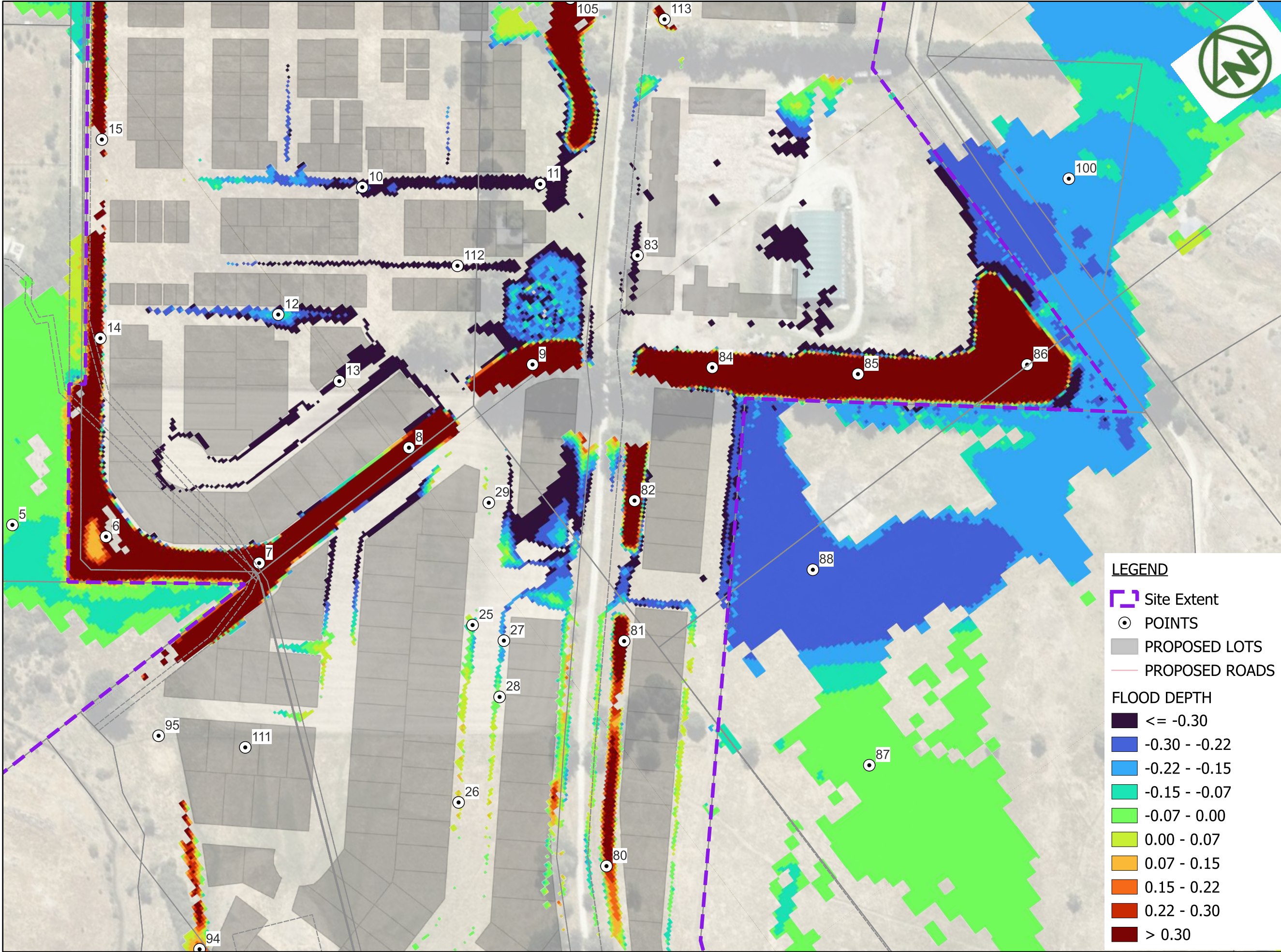
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026



RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP
PRE VS POST
SHEET 2



NAME	Depth PRE	Depth POST	Difference
5	0.826	0.753	-0.074
6	0.737	1.453	0.716
7	0.295	1.603	1.307
8	0.945	2.617	1.672
9	0.601	3.264	2.664
10	0.404	0.135	-0.269
11	0.729	0.121	-0.608
12	0.536	0.388	-0.148
13	0.714	0.089	-0.625
14	0.358	1.127	0.769
15	0.076	0.805	0.729
25	0.175	0.118	-0.057
26	0.052	0.117	0.065
27	0.261	0.076	-0.185
28	0.134	NULL	NULL
29	0.083	0.079	-0.004
80	0.139	0.372	0.232
81	0.13	0.92	0.79
82	0.438	1.455	1.017
83	0.765	0.214	-0.551
84	0.593	3.75	3.157
85	0.872	3.742	2.869
86	0.723	3.739	3.016
87	0.178	0.144	-0.034
88	0.892	0.638	-0.253
94	0.296	0.483	0.187
95	NULL	0.448	NULL
111	0.367	NULL	NULL
112	0.658	0.067	-0.591
113	0.072	0.765	0.694
100	0.744	0.543	-0.201
102	0.71	0.542	-0.168

LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

- FLOOD DEPTH
- <= -0.30
 - 0.30 - -0.22
 - 0.22 - -0.15
 - 0.15 - -0.07
 - 0.07 - 0.00
 - 0.00 - 0.07
 - 0.07 - 0.15
 - 0.15 - 0.22
 - 0.22 - 0.30
 - > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4693

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		

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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP
PRE VS POST
SHEET 3



NAME	Depth PRE	Depth POST	Difference
31	NULL	0.204	NULL
32	NULL	0.182	NULL
33	NULL	0.303	NULL
34	NULL	0.133	NULL
35	0.28	0.328	0.048
62	0.153	0.139	-0.015
72	0.464	0.134	-0.33
76	0.486	0.456	-0.03
78	0.292	0.257	-0.035
79	0.251	0.275	0.024
92	0.217	0.161	-0.056
92	0.183	0.147	-0.036
93	0.241	0.19	-0.051
108	0.218	3.944	3.726
30	0.732	0.822	0.09
114	0.086	1.299	1.213

LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4695
REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200YEAR/0.5AEP
PRE VS POST
SHEET 5

LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- <= -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30



NAME	Depth PRE	Depth POST	Difference
41	0.101	0.281	0.18
42	0.078	0.196	0.118
43	0.091	0.132	0.041
44	0.07	0.192	0.121
45	0.162	0.112	-0.05
46	0.064	0.182	0.119
47	NULL	0.273	NULL
48	0.167	0.049	-0.118
49	NULL	0.272	NULL
50	0.764	0.082	-0.682
51	NULL	0.173	NULL
52	0.167	0.228	0.061
53	1.647	0.127	-1.519
54	NULL	0.143	NULL
58	0.16	0.31	0.149
59	0.188	0.136	-0.052
60	0.049	0.12	0.072
61	0.252	0.363	0.11
62	0.153	0.139	-0.015
63	0.238	0.288	0.05
66	0.247	0.133	-0.114
65	0.792	0.209	-0.583
67	0.6	0.315	-0.285
68	0.478	0.278	-0.2
69	0.086	0.067	-0.019
70	0.068	0.198	0.13
71	0.274	0.166	-0.108
64	0.159	0.141	-0.018
114	0.086	1.299	1.213

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4696

REV:
A

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026



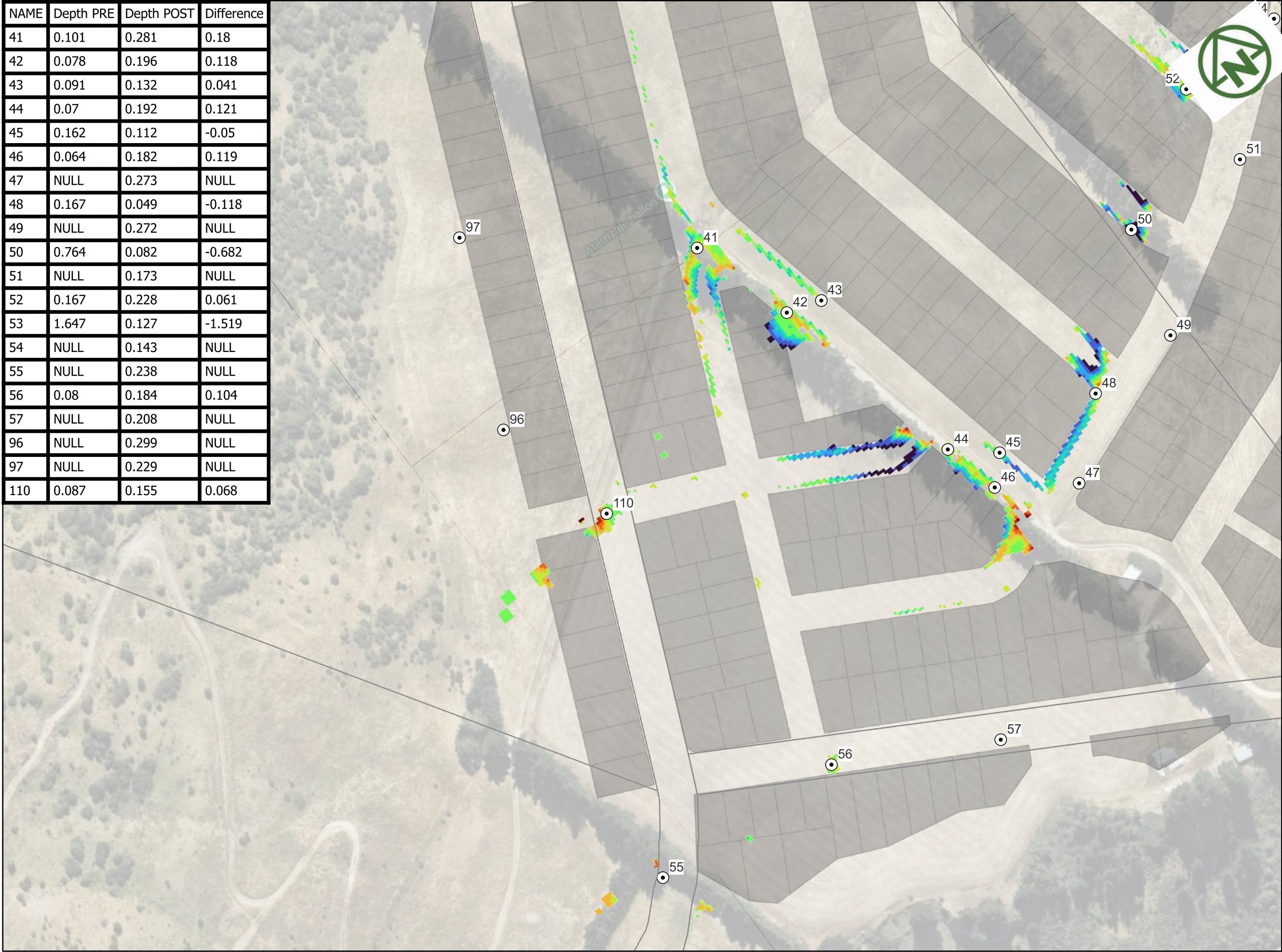
MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE VS POST
SHEET 6

NAME	Depth PRE	Depth POST	Difference
41	0.101	0.281	0.18
42	0.078	0.196	0.118
43	0.091	0.132	0.041
44	0.07	0.192	0.121
45	0.162	0.112	-0.05
46	0.064	0.182	0.119
47	NULL	0.273	NULL
48	0.167	0.049	-0.118
49	NULL	0.272	NULL
50	0.764	0.082	-0.682
51	NULL	0.173	NULL
52	0.167	0.228	0.061
53	1.647	0.127	-1.519
54	NULL	0.143	NULL
55	NULL	0.238	NULL
56	0.08	0.184	0.104
57	NULL	0.208	NULL
96	NULL	0.299	NULL
97	NULL	0.229	NULL
110	0.087	0.155	0.068



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4697 REV: A

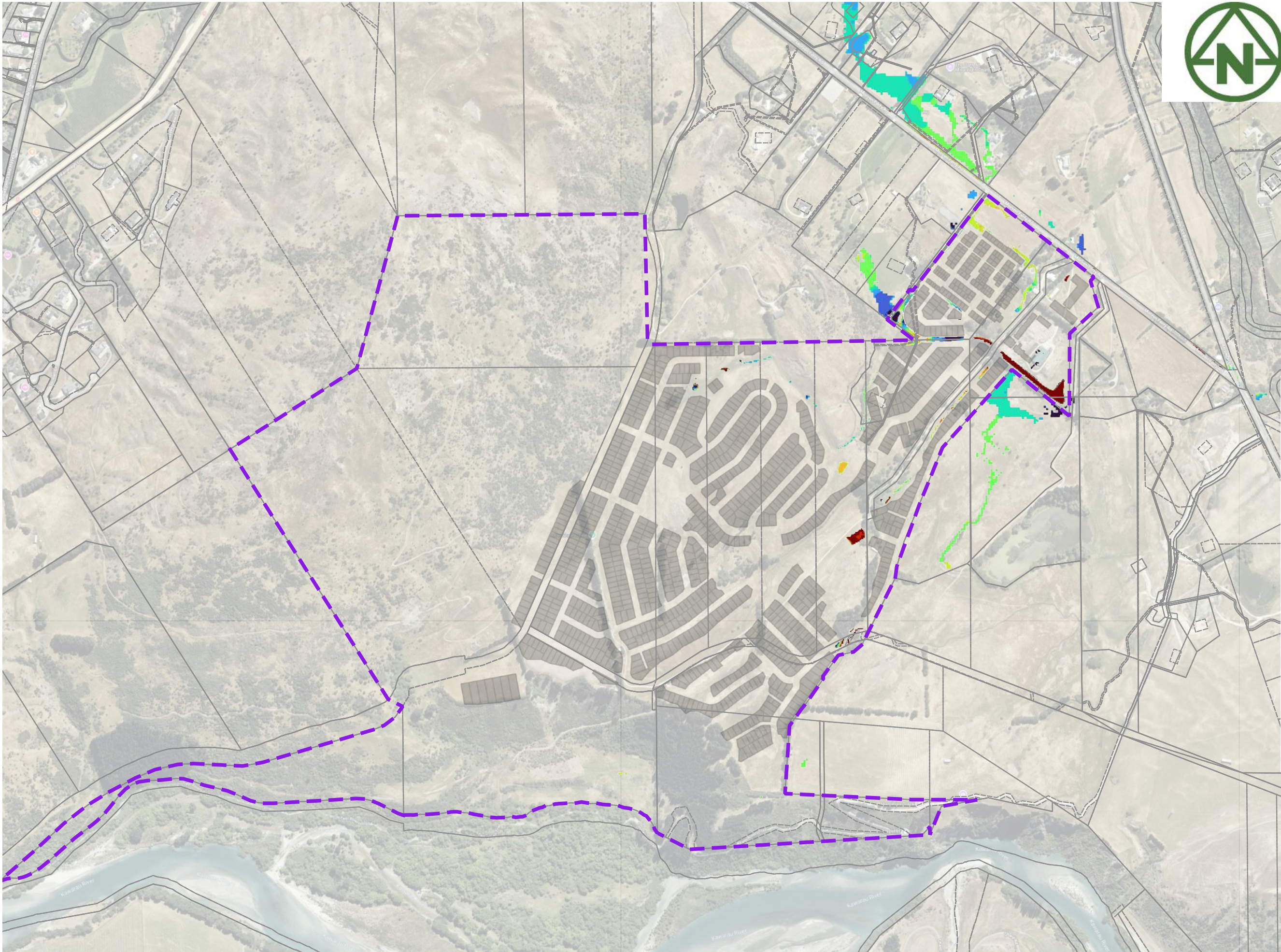
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE VS POST
SHEET 7



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO:
4048-0-4698

REV:
A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	-----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		

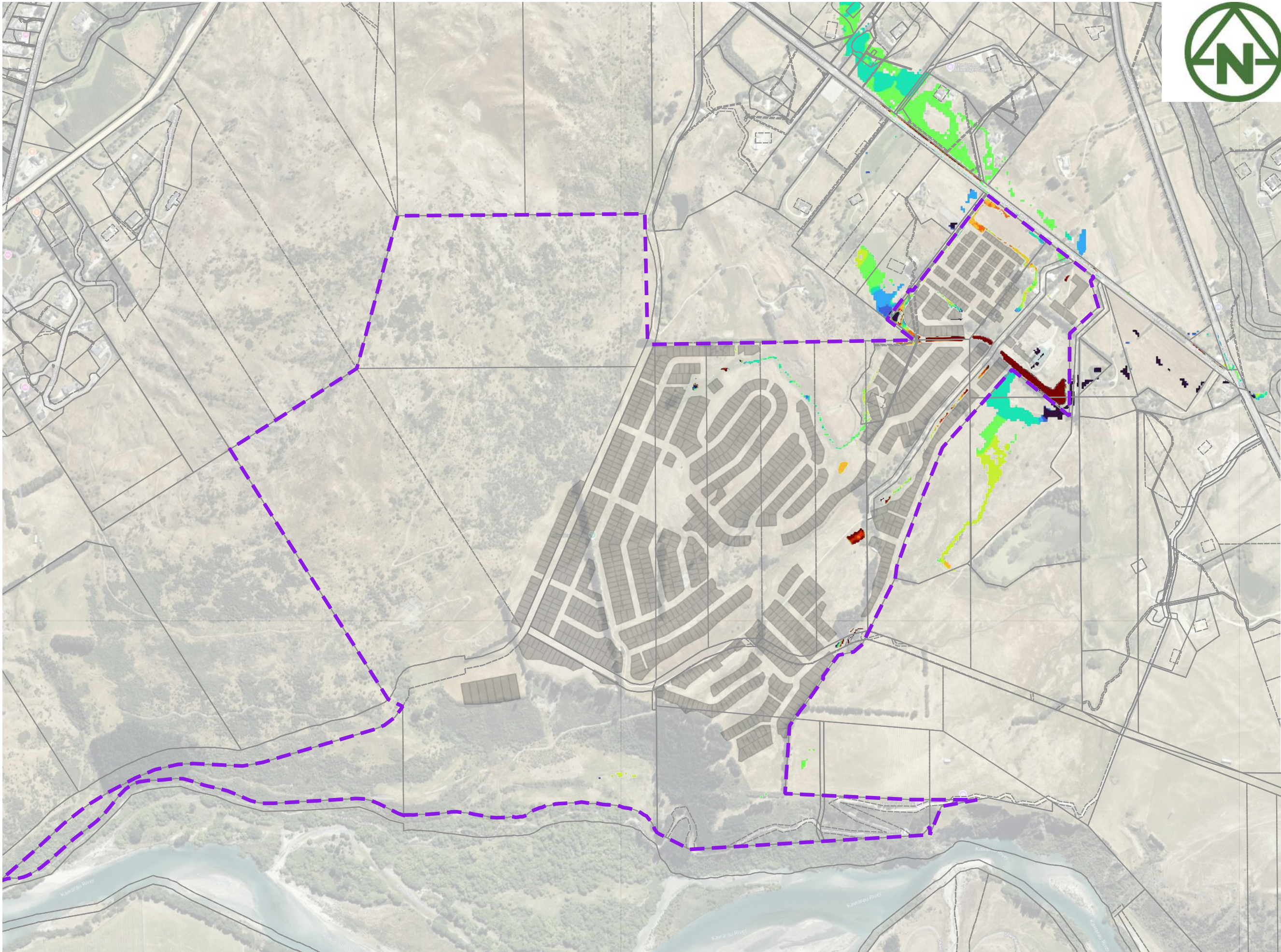


MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2 YEAR/50 AEP
PRE VS POST



LEGEND

- Site Extent
- POINTS
- PROPOSED LOTS
- PROPOSED ROADS

FLOOD DEPTH

- ≤ -0.30
- 0.30 - -0.22
- 0.22 - -0.15
- 0.15 - -0.07
- 0.07 - 0.00
- 0.00 - 0.07
- 0.07 - 0.15
- 0.15 - 0.22
- 0.22 - 0.30
- > 0.30

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO: 4048-0-4699 REV: A

A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



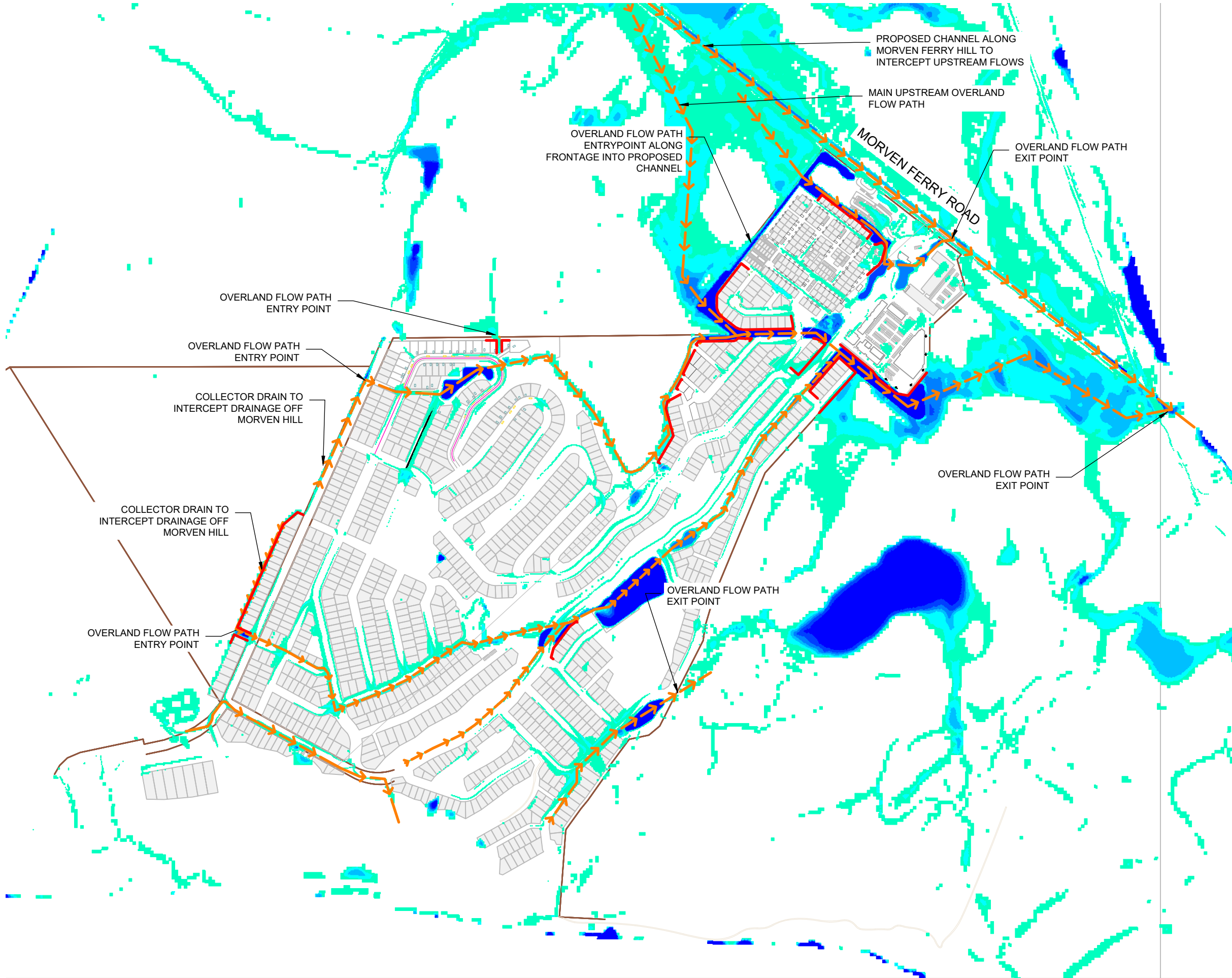
MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10 YEAR/10 AEP
PRE VS POST

APPENDIX F – FREEBOARD PLANS



NOTES:

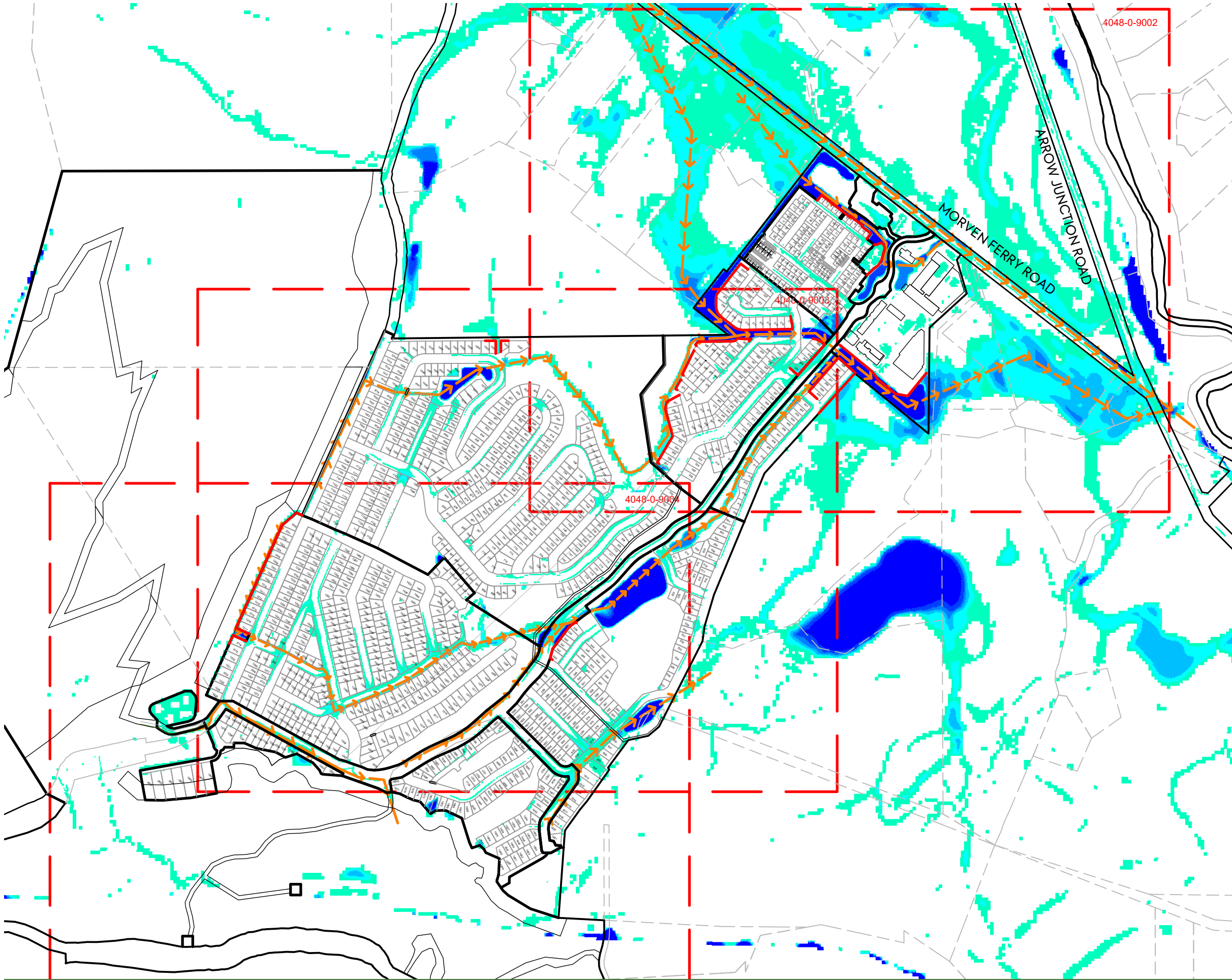
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
2. REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.
3. FLOOD MODEL HAS BEEN COMPLETED USING 12D ROADFLOW SOFTWARE
4. FLOOD MODEL HAS BEEN MODELLED IN ACCORDANCE WITH TP 108. STORM DURATION HAS BEEN SET TO 24 HOUR WITH 60 SECONDS TIME STEP.
5. GRID SIZE OF 5X5m HAS BEEN SELECTED FOR THIS MODEL.
6. ALL PIPES AND CULVERTS HAS BEEN MODELLED AS 1D STRUCTURE.

LEGEND:

- SITE/PROPERTY BOUNDARY
- PROPOSED STORMWATER OVERLAND FLOWPATH
- PROPOSED POND AREA
- PROPOSED IMPERVIOUS BLOCK WALL

FLOOD DEPTH LEGEND:

- 0 - 100mm
- 100 - 200mm
- 200 - 300mm
- 300 - 400mm
- 400 - 500mm
- 500 - 600mm
- 600 - 700mm
- 700 - 800mm
- 800 - 900mm
- 900 - 1000mm
- 1000 - 1500mm



NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
2. REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.
3. FLOOD MODEL HAS BEEN COMPLETED USING 12D ROADFLOW SOFTWARE
4. FLOOD MODEL HAS BEEN MODELLED IN ACCORDANCE WITH TP 108. STORM DURATION HAS BEEN SET TO 24 HOUR WITH 60 SECONDS TIME STEP.
5. GRID SIZE OF 5X5m HAS BEEN SELECTED FOR THIS MODEL.
6. ALL PIPES AND CULVERTS HAS BEEN MODELLED AS 1D STRUCTURE.

LEGEND:

SITE/PROPERTY BOUNDARY

PROPOSED STORMWATER OVERLAND FLOWPATH

PROPOSED POND AREA

PROPOSED IMPERVIOUS BLOCK WALL

FLOOD DEPTH LEGEND:

0 - 100mm
100 - 200mm
200 - 300mm
300 - 400mm
400 - 500mm
500 - 600mm
600 - 700mm
700 - 800mm
800 - 900mm
900 - 1000mm
1000 - 1500mm



CLIENT:

RIDGEBURN LIMITED

PROJECT:

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

TITLE:

STORMWATER
FLOOD EVENT 1% AEP/100 YEAR ARI
POST DEVELOPMENT
FLOOD EXTENT

PURPOSE OF ISSUE:

RESOURCE CONSENT

SCALE:
1:7500m @ A3
DO NOT SCALE

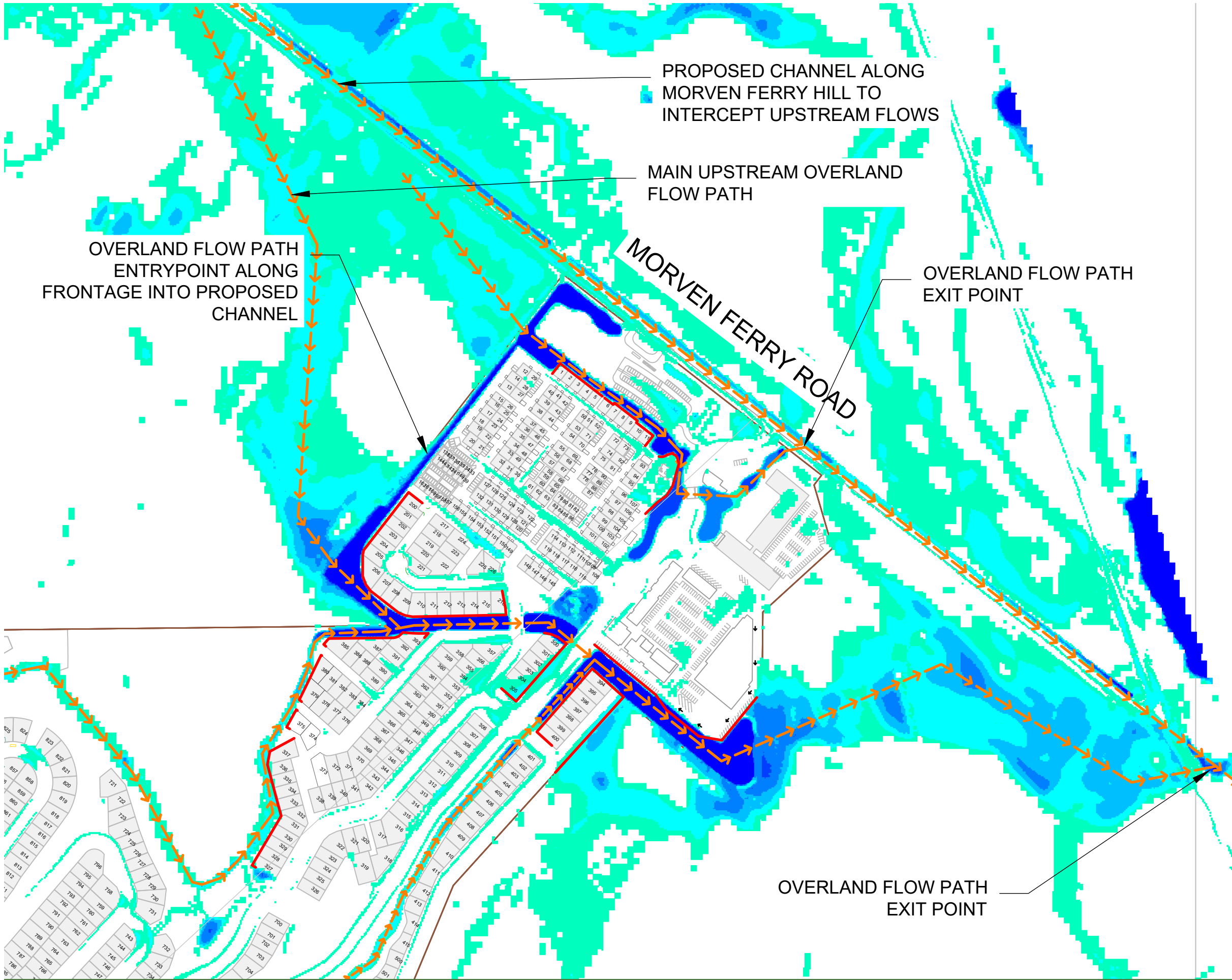
DRAWING NO:
4048-0-9001

REV:
A



MCKENZIE & CO.

A	DRAFTED	PK	SL	SL	16/02/26
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
2. REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.
3. FLOOD MODEL HAS BEEN COMPLETED USING 12D ROADFLOW SOFTWARE
4. FLOOD MODEL HAS BEEN MODELLED IN ACCORDANCE WITH TP 108. STORM DURATION HAS BEEN SET TO 24 HOUR WITH 60 SECONDS TIME STEP.
5. GRID SIZE OF 5X5m HAS BEEN SELECTED FOR THIS MODEL.
6. ALL PIPES AND CULVERTS HAS BEEN MODELLED AS 1D STRUCTURE.

LEGEND:

SITE/PROPERTY BOUNDARY

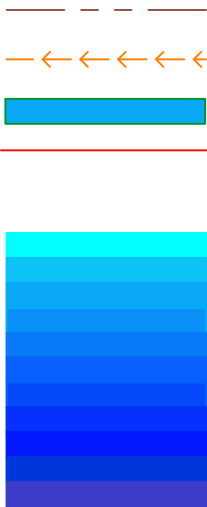
PROPOSED STORMWATER OVERLAND FLOWPATH

PROPOSED POND AREA

PROPOSED IMPERVIOUS BLOCK WALL

FLOOD DEPTH LEGEND:

0 - 100mm
100 - 200mm
200 - 300mm
300 - 400mm
400 - 500mm
500 - 600mm
600 - 700mm
700 - 800mm
800 - 900mm
900 - 1000mm
1000 - 1500mm



CLIENT:

RIDGEBURN LIMITED

PROJECT:

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

TITLE:

STORMWATER
FLOOD EVENT 1% AEP/100 YEAR ARI
POST DEVELOPMENT
FLOOD EXTENT

PURPOSE OF ISSUE:

RESOURCE CONSENT

SCALE:
1:4000m @ A3
DO NOT SCALE

DRAWING NO:

4048-0-9002

REV:

A



MCKENZIE & CO.

REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE
A	DRAFTED	PK	SL	SL	16/02/26

OVERLAND FLOW PATH
ENTRY POINT

OVERLAND FLOW PATH
ENTRY POINT

COLLECTOR DRAIN TO
INTERCEPT DRAINAGE OFF
MORVEN HILL

COLLECTOR DRAIN TO
INTERCEPT DRAINAGE OFF
MORVEN HILL

OVERLAND FLOW PATH
ENTRY POINT

OVERLAND FLOW PATH
EXIT POINT

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
2. REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.
3. FLOOD MODEL HAS BEEN COMPLETED USING 12D ROADFLOW SOFTWARE
4. FLOOD MODEL HAS BEEN MODELLED IN ACCORDANCE WITH TP 108. STORM DURATION HAS BEEN SET TO 24 HOUR WITH 60 SECONDS TIME STEP.
5. GRID SIZE OF 5X5m HAS BEEN SELECTED FOR THIS MODEL.
6. ALL PIPES AND CULVERTS HAS BEEN MODELLED AS 1D STRUCTURE.

LEGEND:

SITE/PROPERTY BOUNDARY

PROPOSED STORMWATER
OVERLAND FLOWPATH

PROPOSED POND AREA

PROPOSED IMPERVIOUS BLOCK WALL

FLOOD DEPTH LEGEND:

0 - 100mm
100 - 200mm
200 - 300mm
300 - 400mm
400 - 500mm
500 - 600mm
600 - 700mm
700 - 800mm
800 - 900mm
900 - 1000mm
1000 - 1500mm



MCKENZIE & CO.

CLIENT:

RIDGEBURN LIMITED

PROJECT:

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

TITLE:

STORMWATER
FLOOD EVENT 1% AEP/100 YEAR ARI
POST DEVELOPMENT
FLOOD EXTENT

PURPOSE OF ISSUE:

RESOURCE CONSENT

SCALE:

1:4000m @ A3

DO NOT SCALE

DRAWING NO:

4048-0-9003

REV:

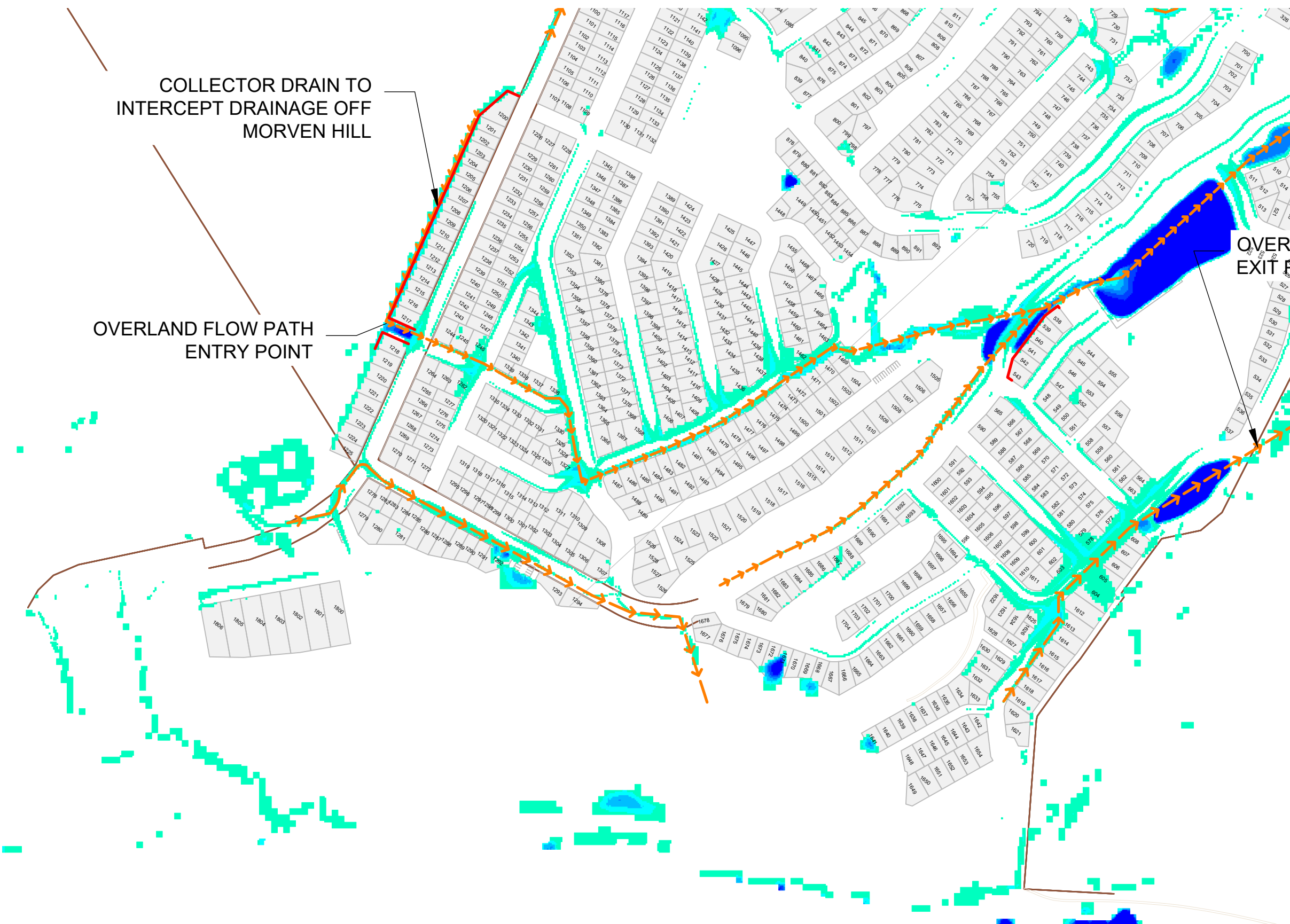
A

A DRAFTED PK SL SL 16/02/26

REV DESCRIPTION DRN BY CHK BY APP BY DATE

PLOT DATE 2026-02-26 11:08:37 WWW.MCKENZIEANDCO.CO.NZ THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE

C:\12DS\DATA\1MCKFS01\4048-0 RIDGEBURN OVERALL_6084\06000. ENGINEERING DESIGN\6500. DRAWINGS\9000.DWG



NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
2. REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.
3. FLOOD MODEL HAS BEEN COMPLETED USING 12D ROADFLOW SOFTWARE
4. FLOOD MODEL HAS BEEN MODELLED IN ACCORDANCE WITH TP 108. STORM DURATION HAS BEEN SET TO 24 HOUR WITH 60 SECONDS TIME STEP.
5. GRID SIZE OF 5X5m HAS BEEN SELECTED FOR THIS MODEL.
6. ALL PIPES AND CULVERTS HAS BEEN MODELLED AS 1D STRUCTURE.

LEGEND:

- SITE/PROPERTY BOUNDARY
- PROPOSED STORMWATER OVERLAND FLOWPATH
- PROPOSED POND AREA
- PROPOSED IMPERVIOUS BLOCK WALL

FLOOD DEPTH LEGEND:

- 0 - 100mm
- 100 - 200mm
- 200 - 300mm
- 300 - 400mm
- 400 - 500mm
- 500 - 600mm
- 600 - 700mm
- 700 - 800mm
- 800 - 900mm
- 900 - 1000mm
- 1000 - 1500mm

A	DRAFTED	PK	SL	SL	16/02/26
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE

PURPOSE OF ISSUE:

RESOURCE CONSENT

SCALE:
1:4000m @ A3
DO NOT SCALE

DRAWING NO:

DRAWING NO: _____ REV: _____

4048-0-9005

A

A	DRAFTED	PK	SL	SL	16/02/26
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE

PROJECT:

PURPOSE OF ISSUE:

RESOURCE CONSENT

FLOOD EVENT 1% AEP/100 YEAR ARI
POST DEVELOPMENT
VALUES AS PER LOT

DO NOT SCALE

DRAWING NO:

EV:

4048-0-9006

A

A	DRAFTED	PK	SL	SL	16/02/26
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE

CLIENT:

PROJECT:

TITLE:

PURPOSE OF ISSUE

RIDGEBURN LIMITED

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT 1% AEP/100 YEAR ARI
POST DEVELOPMENT
VALUES

RESOURCE CONSENT

SCALE:
1:4000m @ A3

DO NOT SCALE

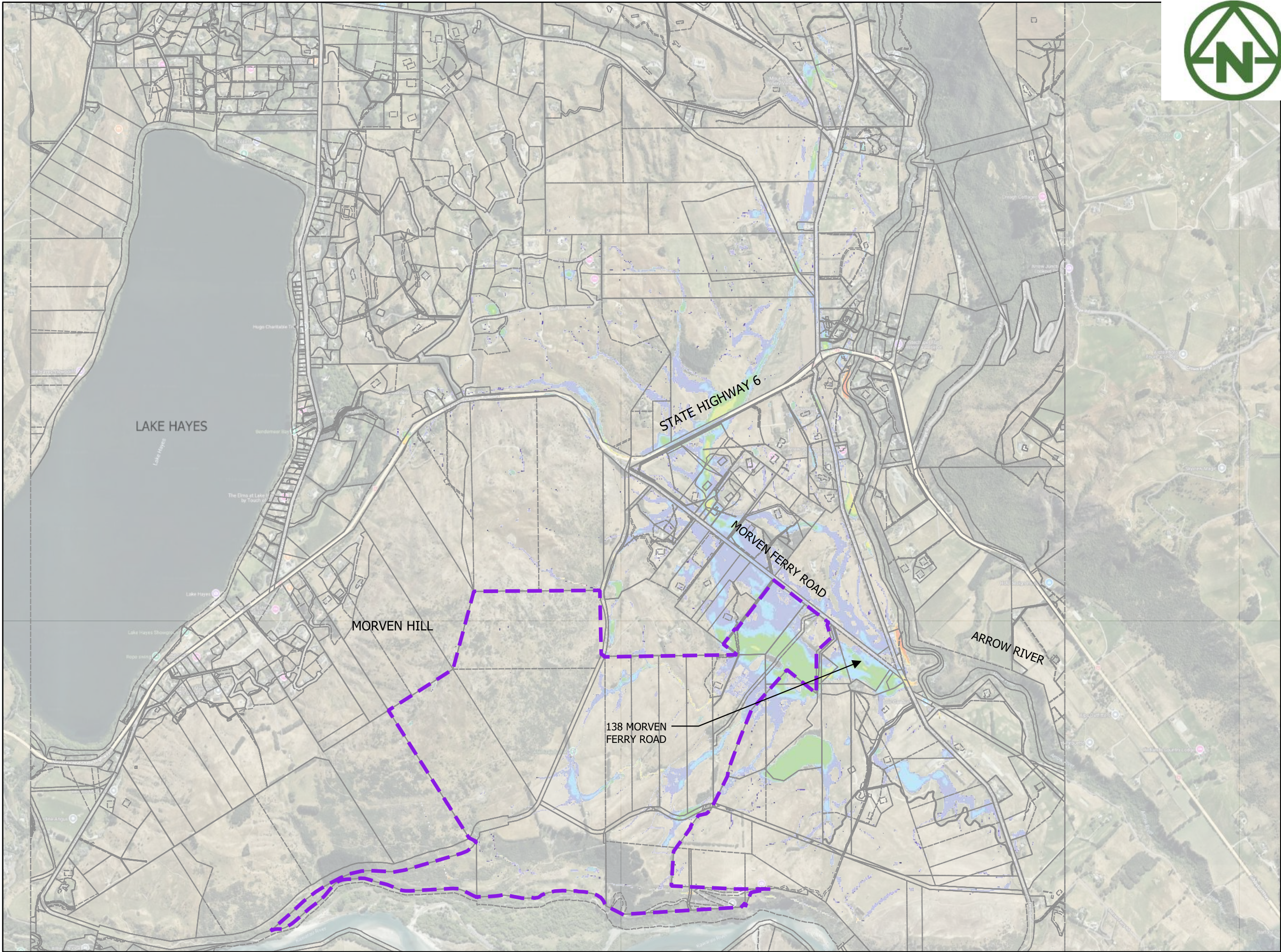
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REV:

4048-0-9007

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APPENDIX G - FLOOD HAZARD PLANS



LEGEND

-  SITE EXTENT
- HAZARD CLASSIFICATION
-  H1
 -  H2
 -  H3
 -  H4
 -  H5
 -  H6

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:25,500

DRAWING NO: 4048-0-4507 REV: A

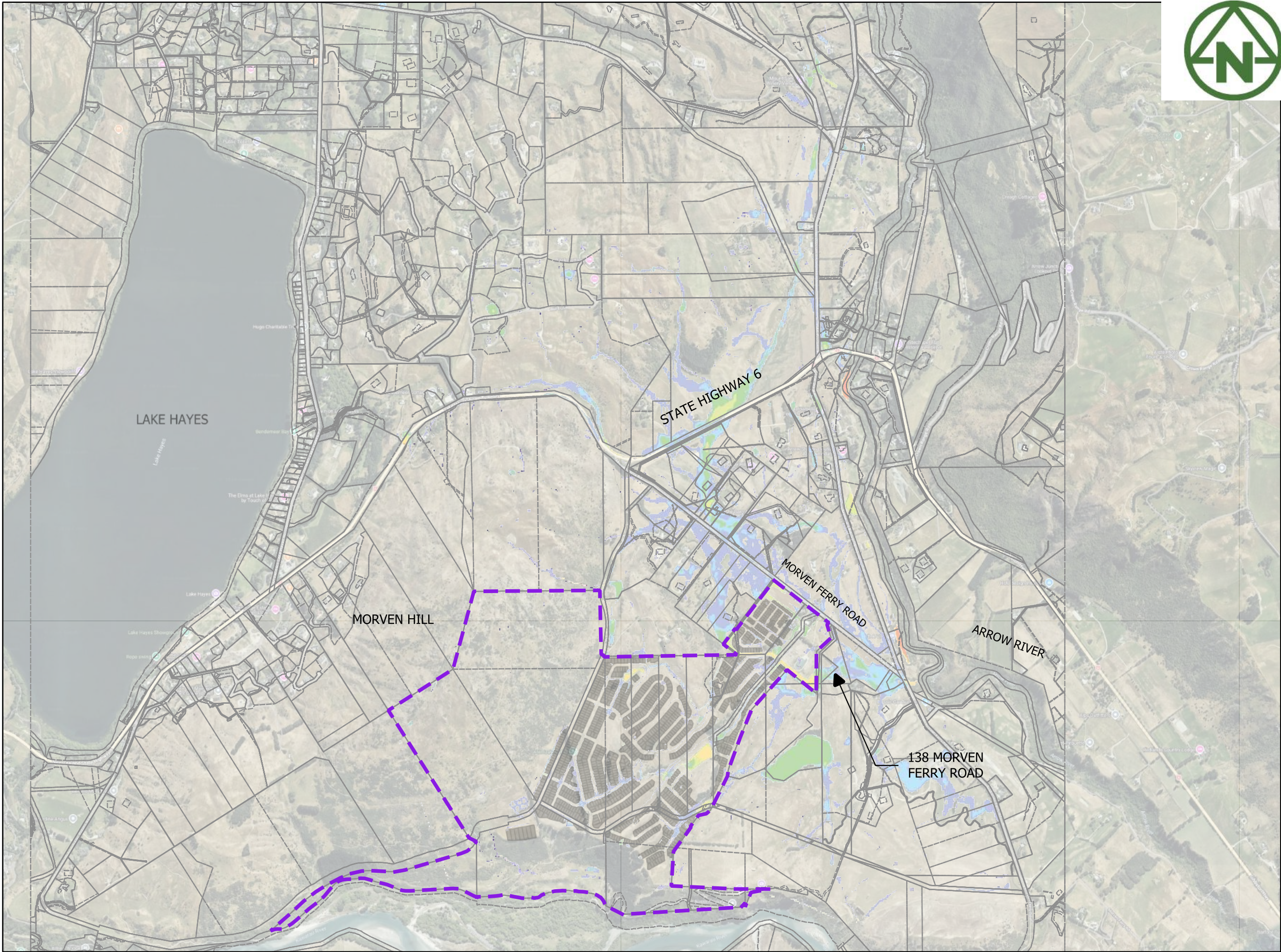
A	FIRST ISSUE	PK	SL	JK	11/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
PRE-DEVELOPMENT
100 YEAR/ 1 AEP
HAZARD PLAN



LEGEND

 SITE EXTENT

HAZARD CLASSIFICATION

-  H1
-  H2
-  H3
-  H4
-  H5
-  H6

MAP PROJECTION:
NZGD2000 / Mount Nicholas 2000
(EPSG:2128)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:25,500

DRAWING NO: 4048-O-4607 REV: A

A	FIRST ISSUE	PK	SL	JK	11/02/2026	
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE	
PLOT DATE						



RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
POST-DEVELOPMENT
100 YEAR/ 1AEP
HAZARD PLAN