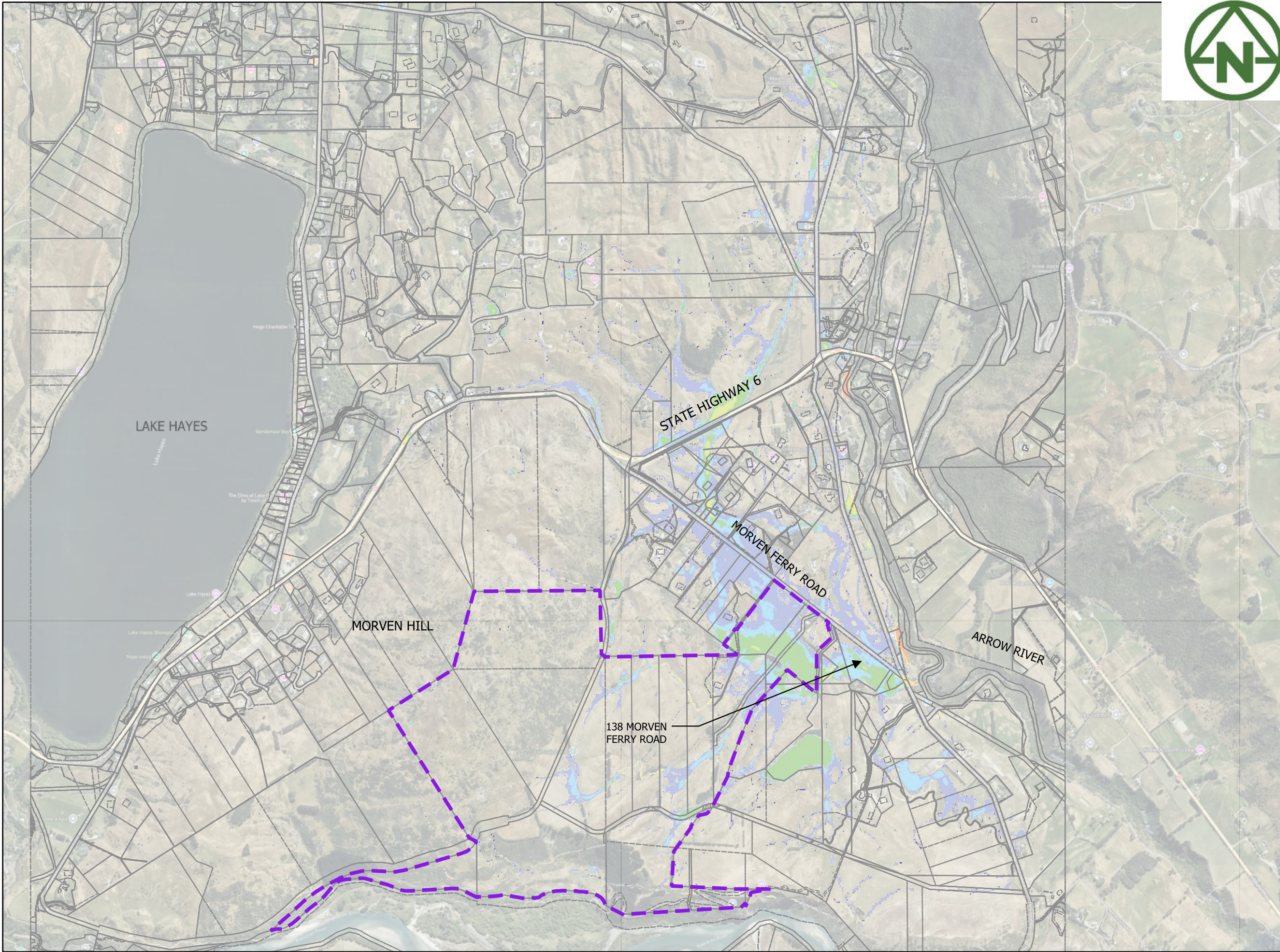




LEGEND

-  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

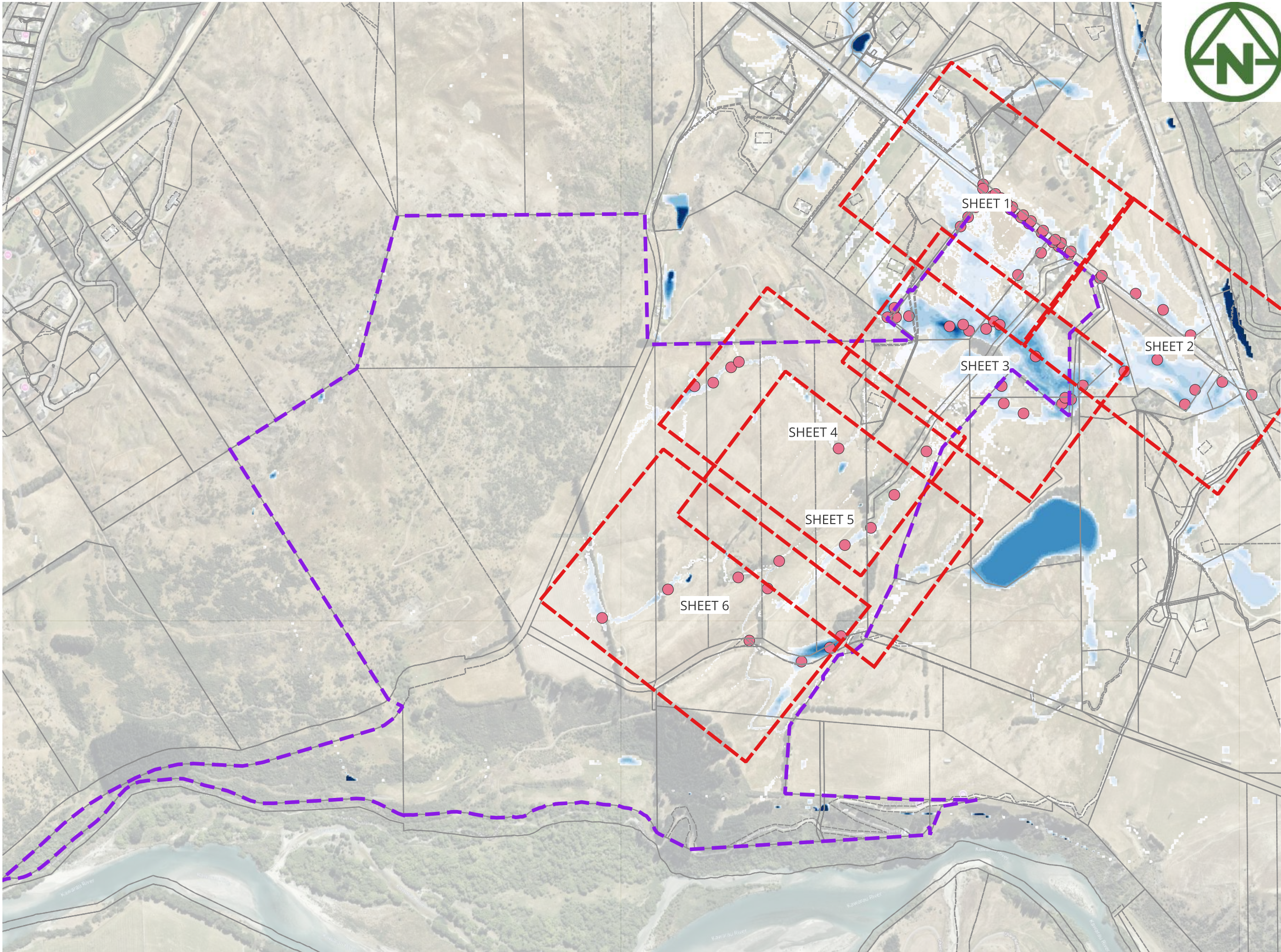
A	FIRST ISSUE	PK	SL	JK	11/02/2026	
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE	
PLOT DATE						



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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
PRE-DEVELOPMENT
100 YEAR/ 1 AEP
HAZARD PLAN



- LEGEND**
- Site Extent
 - CUTSHEET
 - 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:
1:13,000

DRAWING NO:
4048-0-4510

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 2YEAR/50AEP
PRE-DEVELOPMENT EXTENT
OVERALL

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
1	371.34	1.26	0.276	371.08	0.35
2	369.93	0.34	0.164	369.65	0.06
3	369.82	0.61	0.183	369.6	0.11
4	369.67	0.55	0.211	369.44	0.12
5	369.48	0.6	0.233	368.97	0.14
6	370.12	0.69	0.33	369.83	0.23
7	369.86	0.55	0.338	369.52	0.18
8	369.85	0.38	0.204	369.54	0.08
9	369.74	0.77	0.244	369.26	0.19
10	369.75	0.68	0.133	369.49	0.09
11	367.86	0.17	0.192	367.69	0.03
12	367.89	0.62	0.135	367.71	0.08
13	368.07	0.93	0.053	367.91	0.05
14	368.31	0.59	0.156	368.06	0.09
15	368.55	0.43	0.067	368.47	0.03
16	368.48	1.16	0.144	368.26	0.17
17	368.83	0.65	0.163	368.57	0.11
18	368.83	0.46	0.159	368.57	0.07
19	369.04	0.64	0.303	368.71	0.19
20	369.06	0.56	0.125	368.79	0.07
21	369.18	0.58	0.215	368.85	0.12
22	369.17	0.5	0.135	368.96	0.07
23	369.36	1.06	0.238	368.97	0.25
24.	369.43	0.75	0.129	369.28	0.1
25	369.53	0.95	0.2	369.25	0.19
26	369.56	0.66	0.08	369.49	0.05
27	368.71	0.02	0.647	368.03	0.01
28	368.69	0.1	0.805	367.68	0.08
29	368.15	0.22	0.515	367.61	0.11
30	368.14	0.2	0.503	367.63	0.1



LEGEND

- Site Extent
- 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: 4048-0-4511 REV: A

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

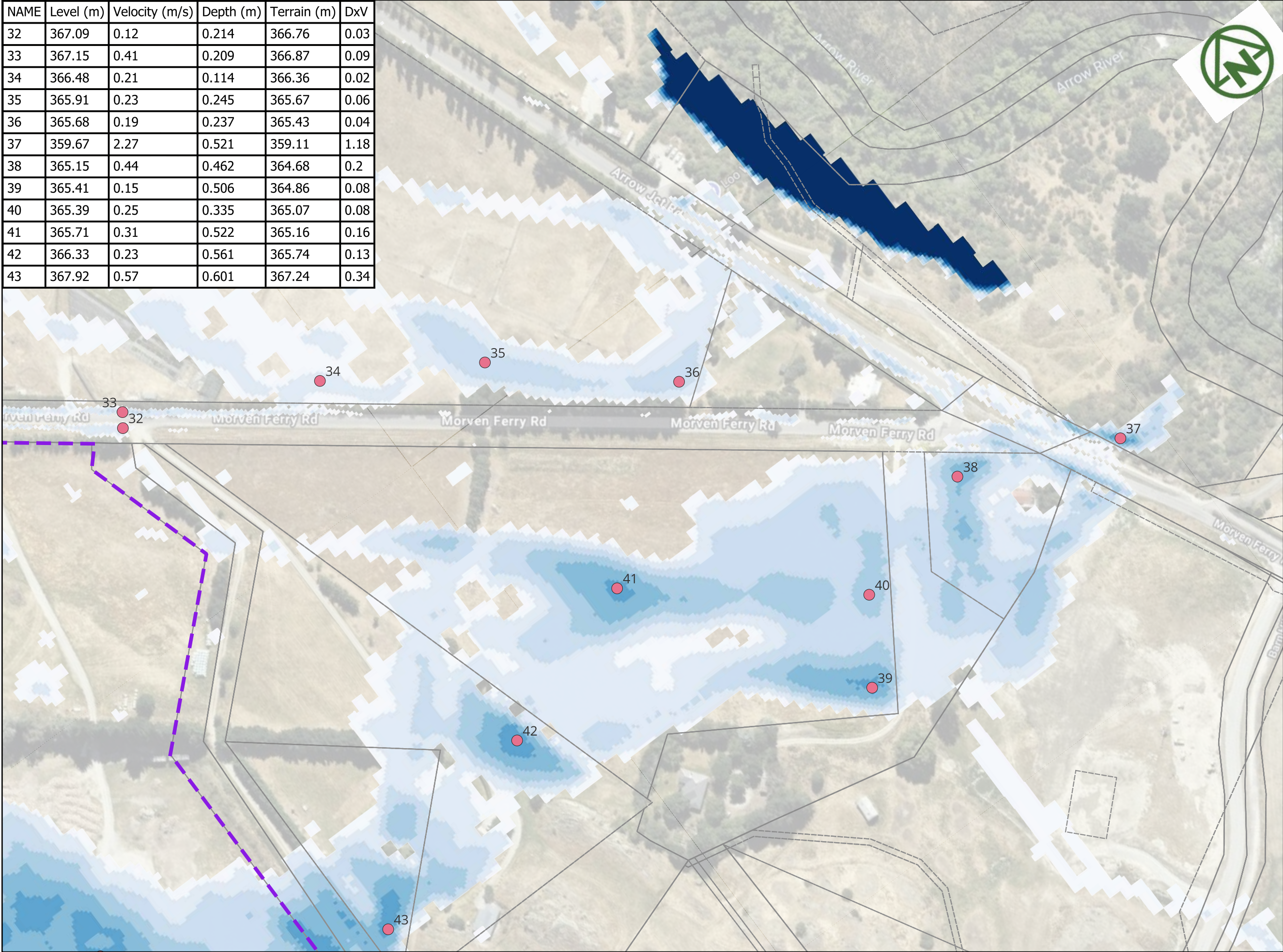


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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2YEAR/50AEP
PRE-DEVELOPMENT EXTENT
SHEET 1

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
32	367.09	0.12	0.214	366.76	0.03
33	367.15	0.41	0.209	366.87	0.09
34	366.48	0.21	0.114	366.36	0.02
35	365.91	0.23	0.245	365.67	0.06
36	365.68	0.19	0.237	365.43	0.04
37	359.67	2.27	0.521	359.11	1.18
38	365.15	0.44	0.462	364.68	0.2
39	365.41	0.15	0.506	364.86	0.08
40	365.39	0.25	0.335	365.07	0.08
41	365.71	0.31	0.522	365.16	0.16
42	366.33	0.23	0.561	365.74	0.13
43	367.92	0.57	0.601	367.24	0.34



LEGEND

Site Extent

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:
4048-0-4512

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			

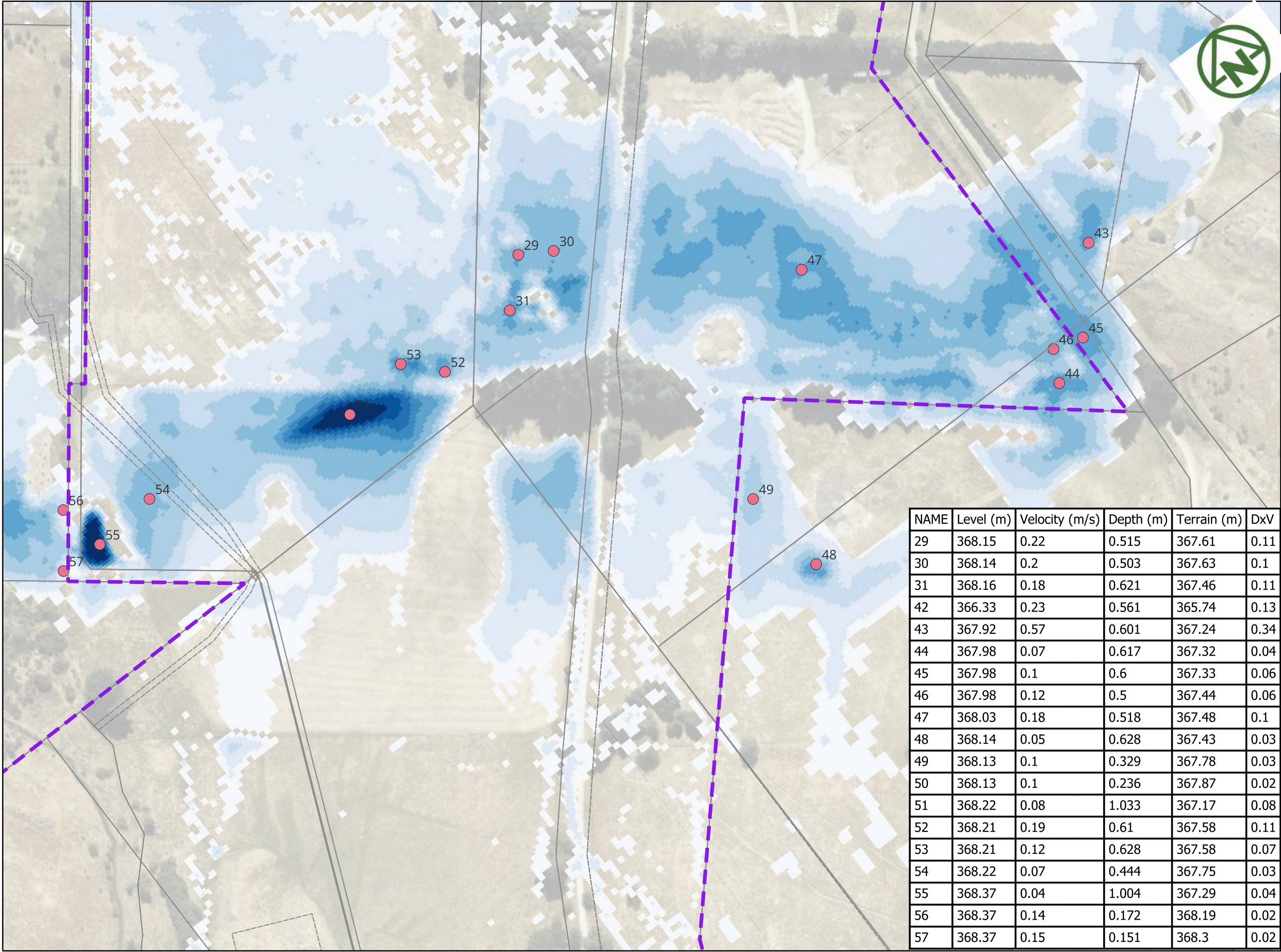


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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2YEAR/50AEP
PRE-DEVELOPMENT EXTENT
SHEET 2



LEGEND

- Site Extent
- 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

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
29	368.15	0.22	0.515	367.61	0.11
30	368.14	0.2	0.503	367.63	0.1
31	368.16	0.18	0.621	367.46	0.11
42	366.33	0.23	0.561	365.74	0.13
43	367.92	0.57	0.601	367.24	0.34
44	367.98	0.07	0.617	367.32	0.04
45	367.98	0.1	0.6	367.33	0.06
46	367.98	0.12	0.5	367.44	0.06
47	368.03	0.18	0.518	367.48	0.1
48	368.14	0.05	0.628	367.43	0.03
49	368.13	0.1	0.329	367.78	0.03
50	368.13	0.1	0.236	367.87	0.02
51	368.22	0.08	1.033	367.17	0.08
52	368.21	0.19	0.61	367.58	0.11
53	368.21	0.12	0.628	367.58	0.07
54	368.22	0.07	0.444	367.75	0.03
55	368.37	0.04	1.004	367.29	0.04
56	368.37	0.14	0.172	368.19	0.02
57	368.37	0.15	0.151	368.3	0.02

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

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4513 REV: A

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

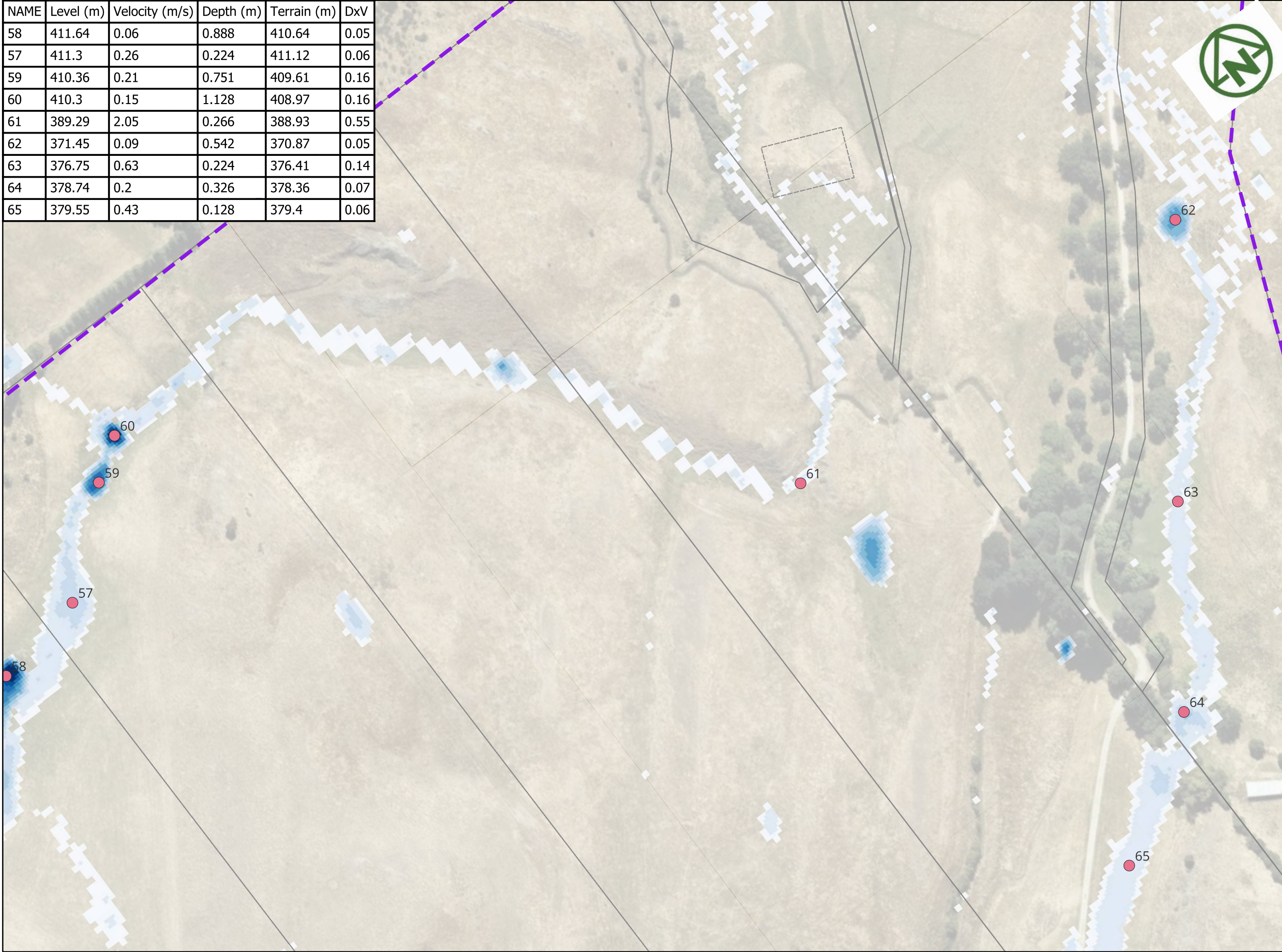


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2YEAR/50AEP
PRE-DEVELOPMENT EXTENT
SHEET 3

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
58	411.64	0.06	0.888	410.64	0.05
57	411.3	0.26	0.224	411.12	0.06
59	410.36	0.21	0.751	409.61	0.16
60	410.3	0.15	1.128	408.97	0.16
61	389.29	2.05	0.266	388.93	0.55
62	371.45	0.09	0.542	370.87	0.05
63	376.75	0.63	0.224	376.41	0.14
64	378.74	0.2	0.326	378.36	0.07
65	379.55	0.43	0.128	379.4	0.06



LEGEND

- Site Extent
- 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: 4048-0-4514 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.		



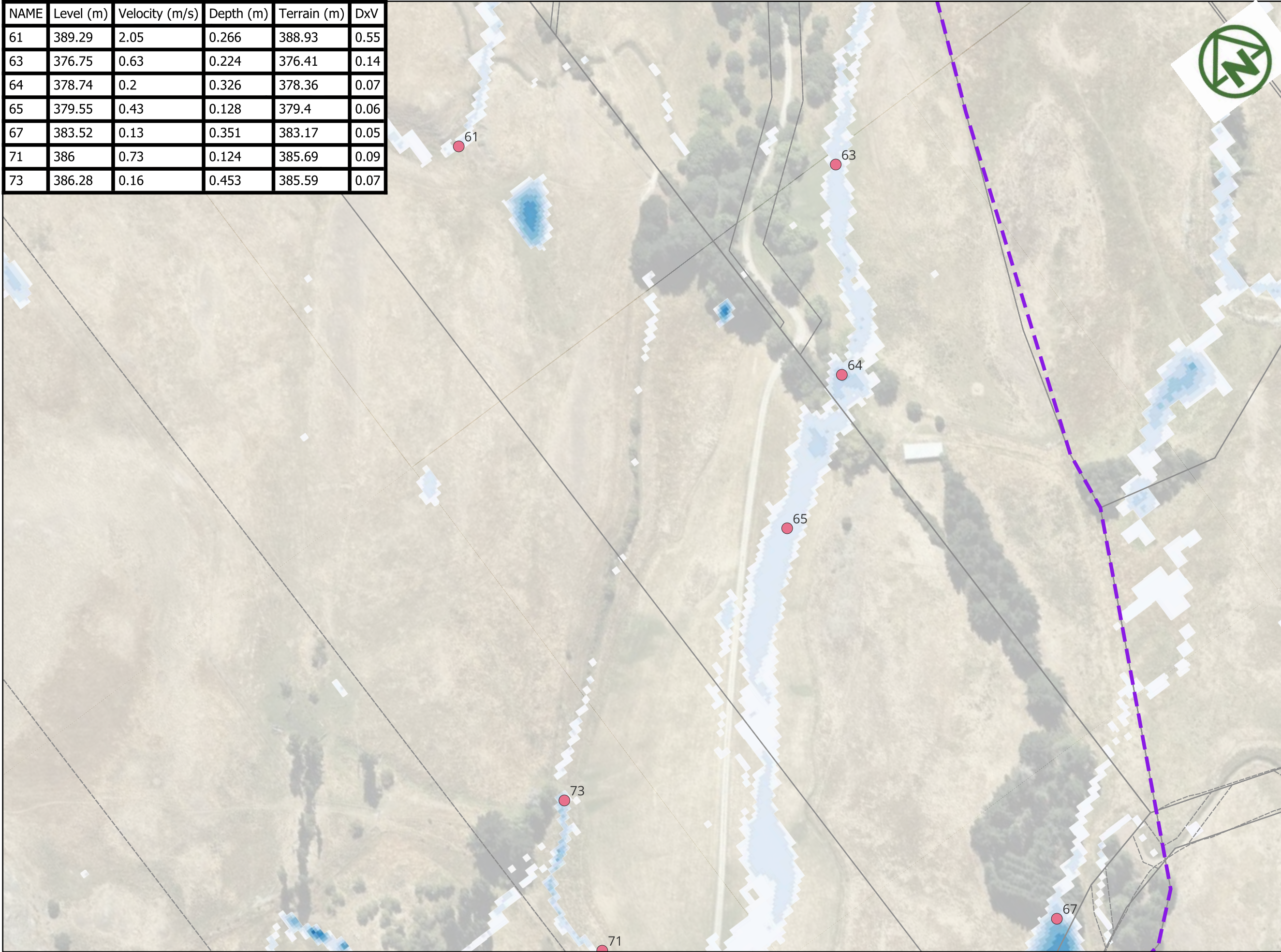
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2YEAR/50AEP
PRE-DEVELOPMENT EXTENT
SHEET 4

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
61	389.29	2.05	0.266	388.93	0.55
63	376.75	0.63	0.224	376.41	0.14
64	378.74	0.2	0.326	378.36	0.07
65	379.55	0.43	0.128	379.4	0.06
67	383.52	0.13	0.351	383.17	0.05
71	386	0.73	0.124	385.69	0.09
73	386.28	0.16	0.453	385.59	0.07



LEGEND

Site Extent

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: 4048-0-4515 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.		



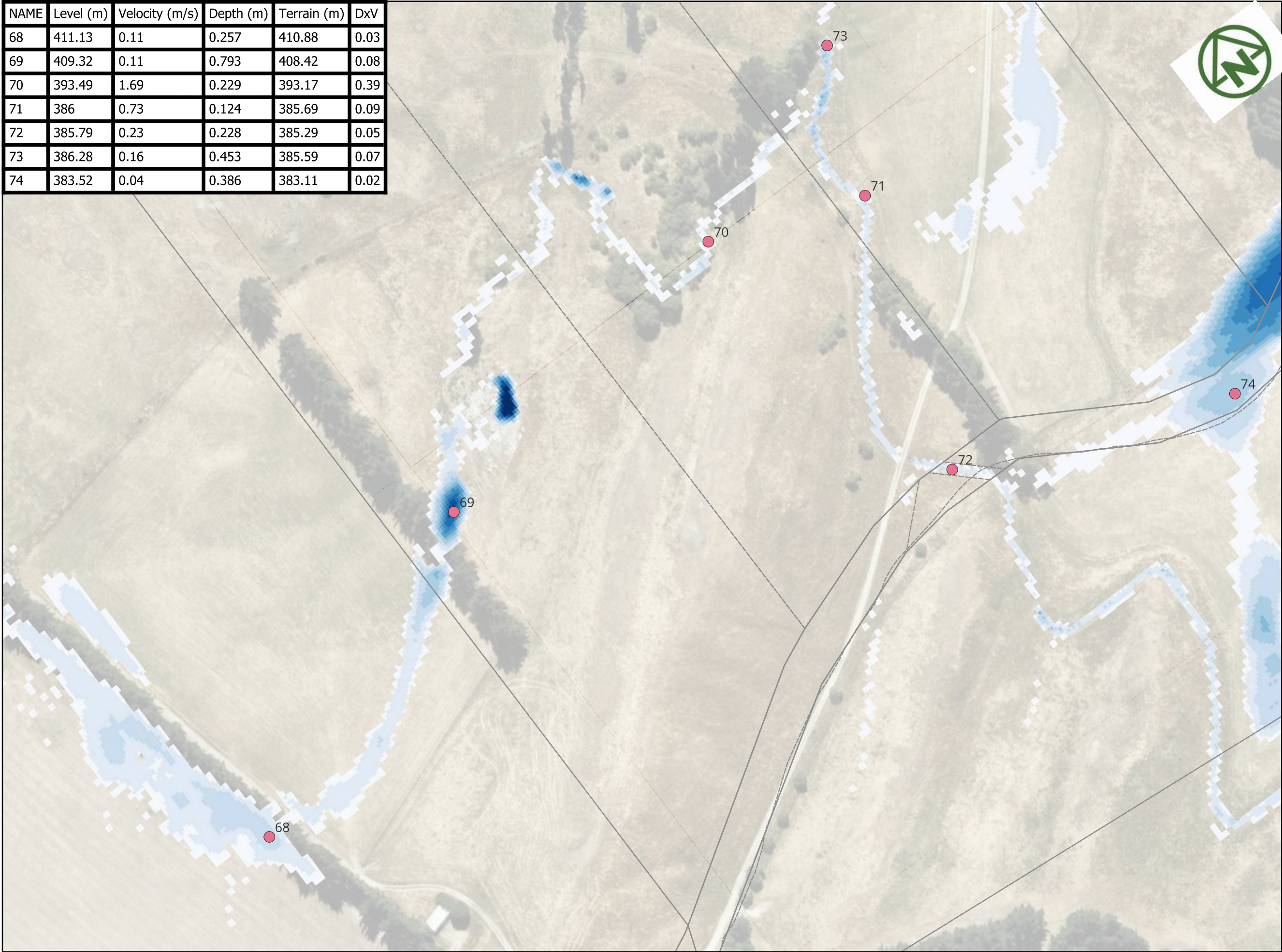
MCKENZIE & CO.

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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2YEAR/50AEP
PRE-DEVELOPMENT EXTENT
SHEET 5

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
68	411.13	0.11	0.257	410.88	0.03
69	409.32	0.11	0.793	408.42	0.08
70	393.49	1.69	0.229	393.17	0.39
71	386	0.73	0.124	385.69	0.09
72	385.79	0.23	0.228	385.29	0.05
73	386.28	0.16	0.453	385.59	0.07
74	383.52	0.04	0.386	383.11	0.02



LEGEND

- Site Extent
- 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:
1:2,499.354095

DRAWING NO: 4048-0-4516 REV: A

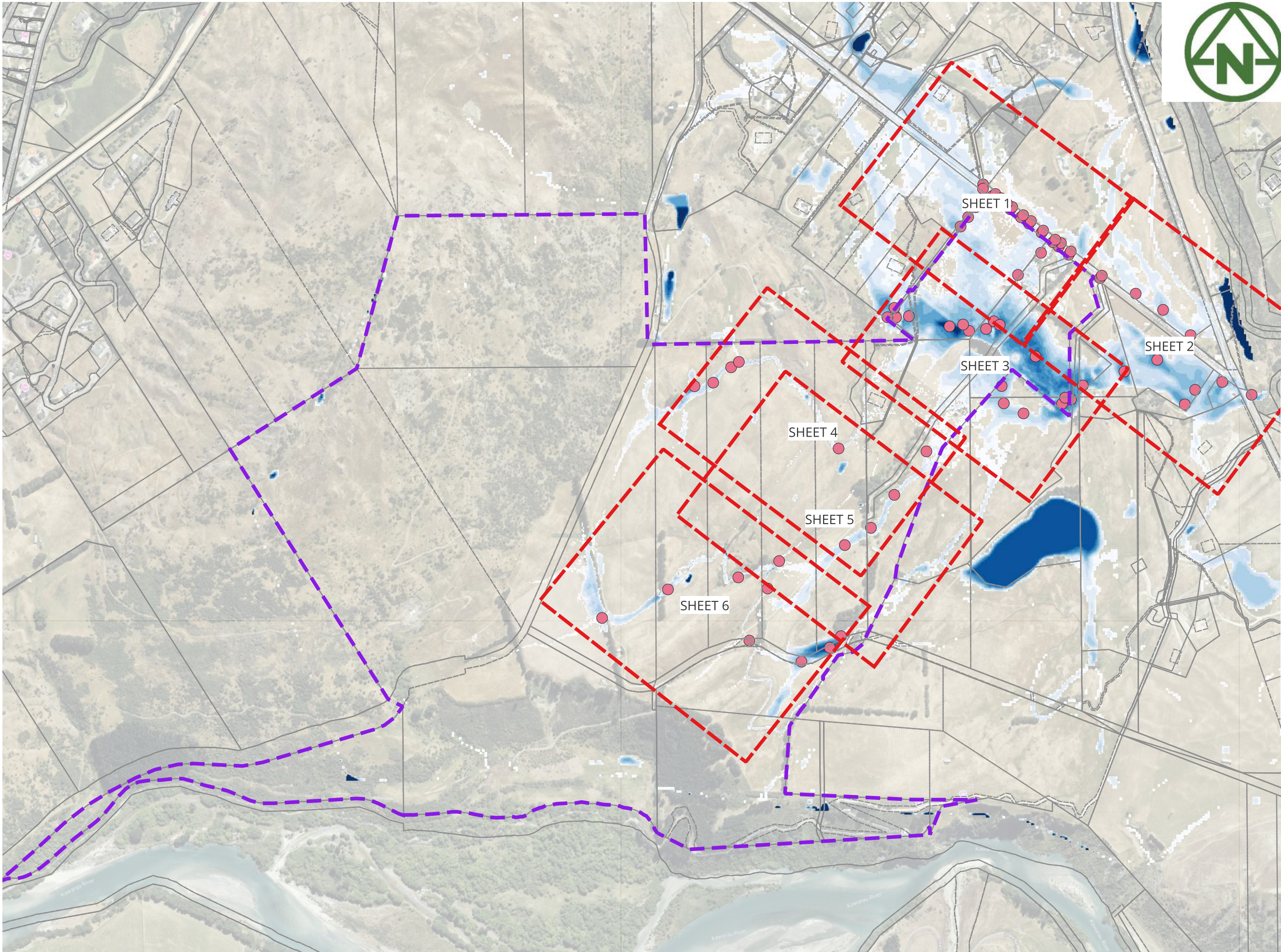
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 2YEAR/50AEP
PRE-DEVELOPMENT EXTENT
SHEET 6



LEGEND

- Site Extent
- CUTSHEET

- 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: 4048-0-4530 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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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10YEAR/10AEP
PRE-DEVELOPMENT EXTENT
OVERALL

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.37	1.37	0.302	371.08	0.41
2	369.96	0.36	0.189	369.65	0.07
3	369.85	0.65	0.208	369.6	0.14
4	369.7	0.59	0.241	369.44	0.14
5	369.53	0.65	0.287	368.97	0.19
6	370.13	0.74	0.34	369.83	0.25
7	369.88	0.56	0.361	369.52	0.2
8	369.87	0.4	0.228	369.54	0.09
9	369.76	0.82	0.265	369.26	0.22
10	369.77	0.74	0.148	369.49	0.11
11	367.87	0.2	0.204	367.69	0.04
12	367.9	0.64	0.142	367.71	0.09
13	368.08	1.05	0.065	367.91	0.07
14	368.31	0.62	0.162	368.06	0.1
15	368.56	0.43	0.08	368.47	0.03
16	368.49	1.16	0.154	368.26	0.18
17	368.84	0.69	0.171	368.57	0.12
18	368.84	0.5	0.169	368.57	0.08
19	369.05	0.69	0.313	368.71	0.22
20	369.07	0.59	0.135	368.79	0.08
21	369.2	0.66	0.233	368.85	0.15
22	369.19	0.51	0.149	368.96	0.08
23	369.39	1.12	0.266	368.97	0.3
24.	369.44	0.76	0.14	369.28	0.11
25	369.55	1.03	0.223	369.25	0.23
26	369.57	0.73	0.09	369.49	0.07
27	368.75	0.02	0.69	368.03	0.01
28	368.73	0.07	0.839	367.68	0.06
29	368.24	0.26	0.61	367.61	0.16
30	368.24	0.25	0.597	367.63	0.15



LEGEND

- Site Extent
- 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)

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 10YEAR/10AEP
PRE-DEVELOPMENT EXTENT
SHEET 1

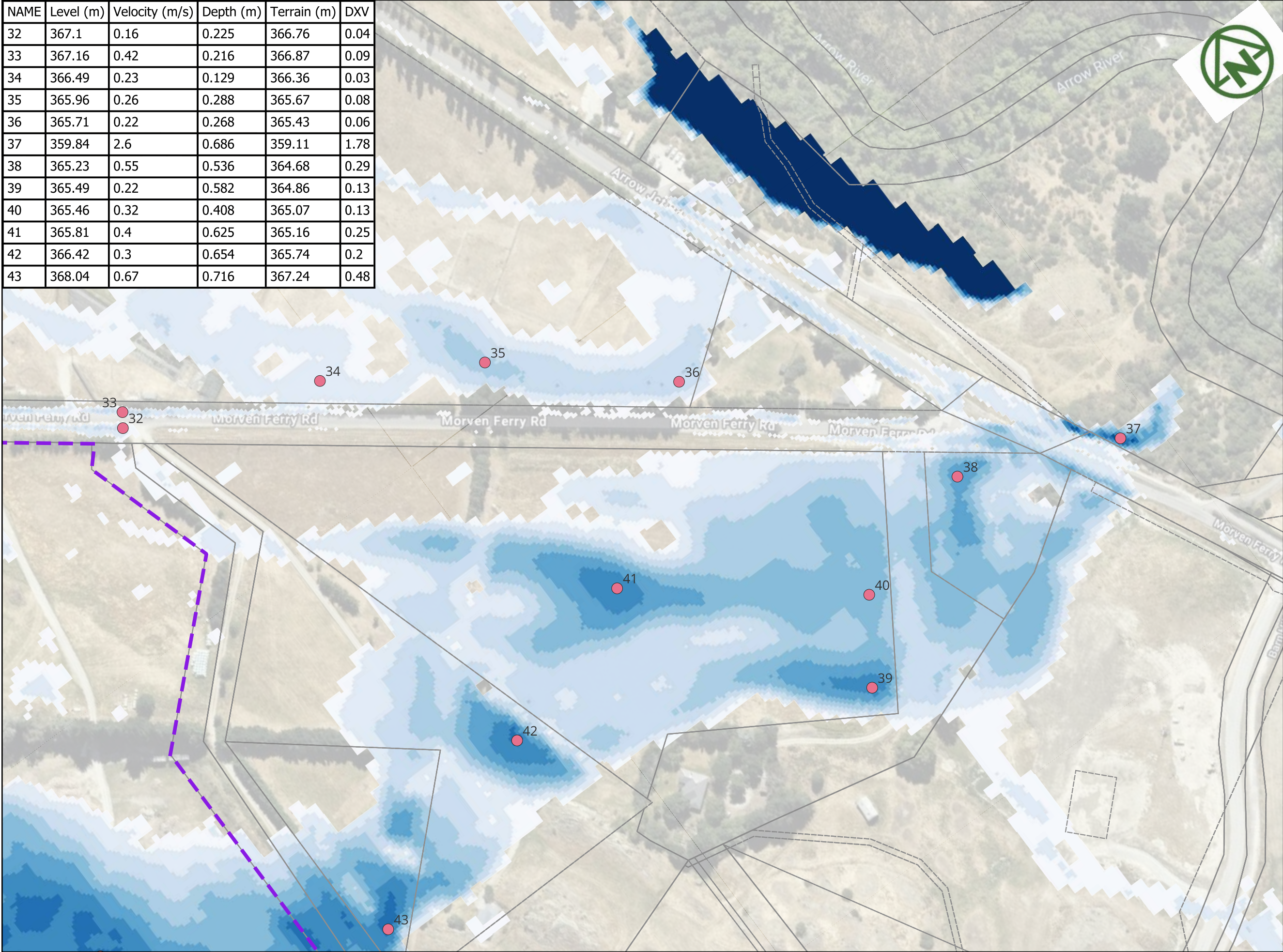
PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4531

REV:
A

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
32	367.1	0.16	0.225	366.76	0.04
33	367.16	0.42	0.216	366.87	0.09
34	366.49	0.23	0.129	366.36	0.03
35	365.96	0.26	0.288	365.67	0.08
36	365.71	0.22	0.268	365.43	0.06
37	359.84	2.6	0.686	359.11	1.78
38	365.23	0.55	0.536	364.68	0.29
39	365.49	0.22	0.582	364.86	0.13
40	365.46	0.32	0.408	365.07	0.13
41	365.81	0.4	0.625	365.16	0.25
42	366.42	0.3	0.654	365.74	0.2
43	368.04	0.67	0.716	367.24	0.48



LEGEND

Site Extent

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: 4048-0-4532 REV: A

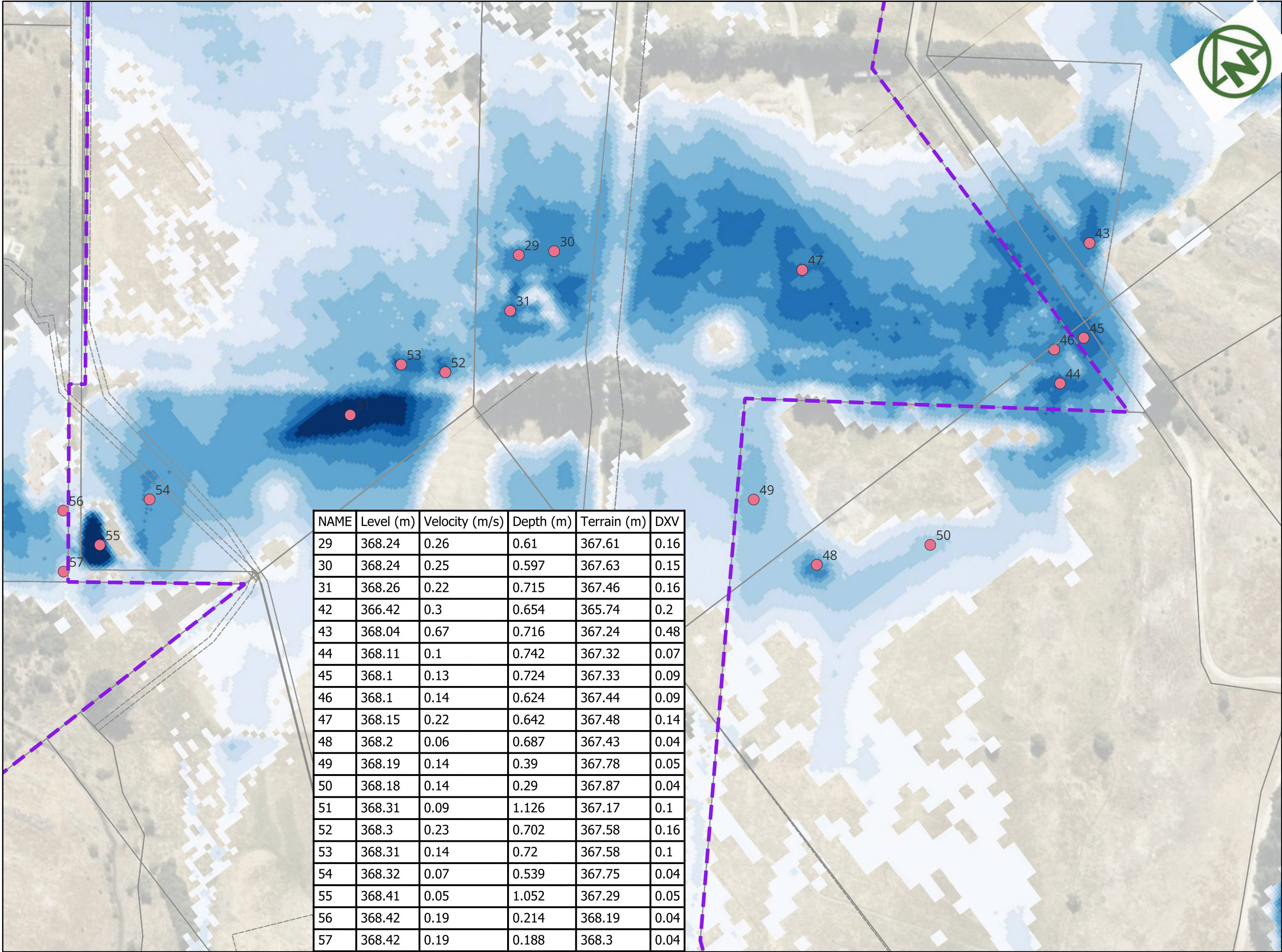
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	09/02/2026



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10YEAR/10AEP
PRE-DEVELOPMENT EXTENT
SHEET 2



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
29	368.24	0.26	0.61	367.61	0.16
30	368.24	0.25	0.597	367.63	0.15
31	368.26	0.22	0.715	367.46	0.16
42	366.42	0.3	0.654	365.74	0.2
43	368.04	0.67	0.716	367.24	0.48
44	368.11	0.1	0.742	367.32	0.07
45	368.1	0.13	0.724	367.33	0.09
46	368.1	0.14	0.624	367.44	0.09
47	368.15	0.22	0.642	367.48	0.14
48	368.2	0.06	0.687	367.43	0.04
49	368.19	0.14	0.39	367.78	0.05
50	368.18	0.14	0.29	367.87	0.04
51	368.31	0.09	1.126	367.17	0.1
52	368.3	0.23	0.702	367.58	0.16
53	368.31	0.14	0.72	367.58	0.1
54	368.32	0.07	0.539	367.75	0.04
55	368.41	0.05	1.052	367.29	0.05
56	368.42	0.19	0.214	368.19	0.04
57	368.42	0.19	0.188	368.3	0.04

LEGEND

- Site Extent
- 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: 4048-0-4533 REV: A

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

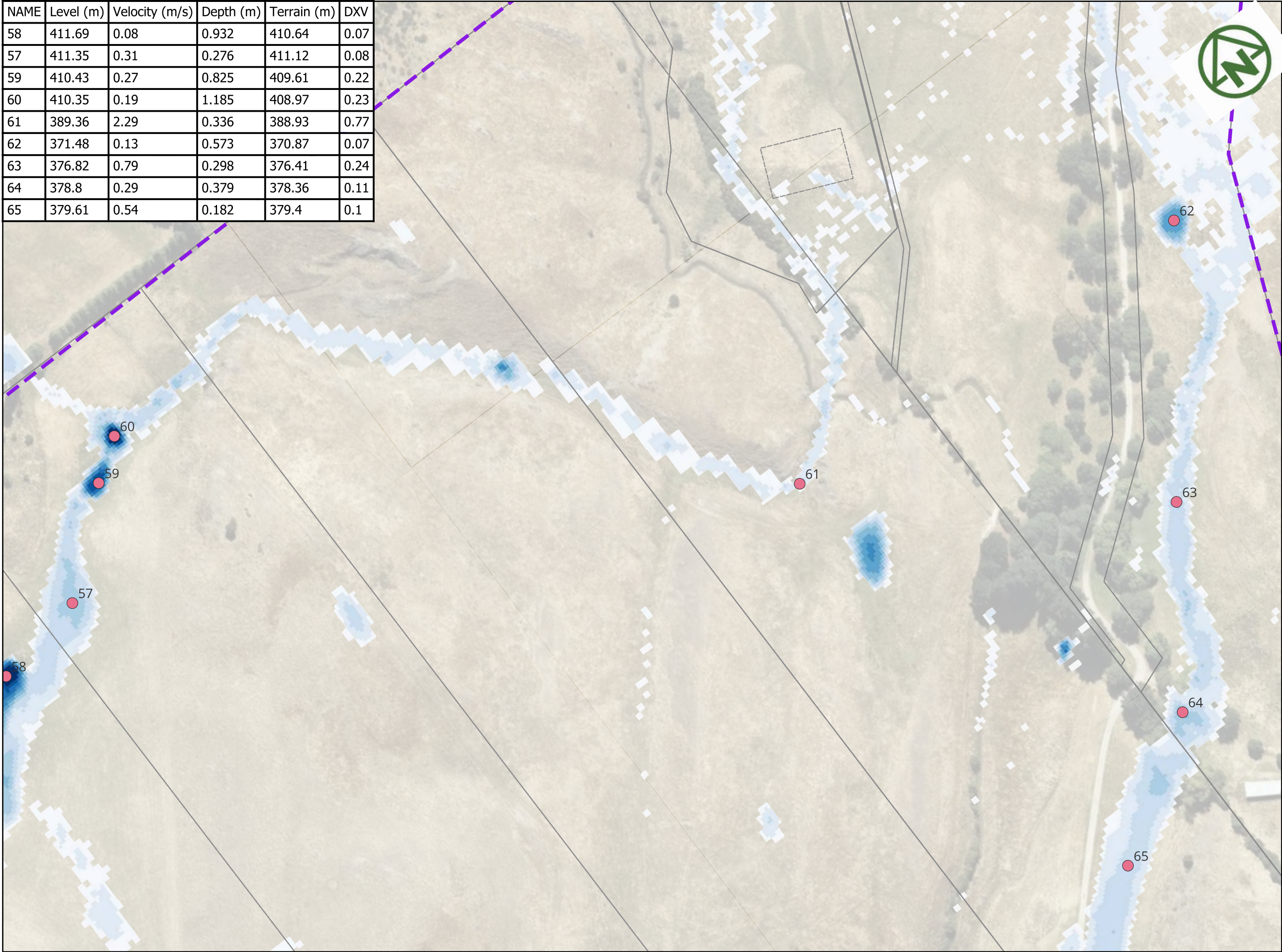


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10YEAR/10AEP
PRE-DEVELOPMENT EXTENT
SHEET 3

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
58	411.69	0.08	0.932	410.64	0.07
57	411.35	0.31	0.276	411.12	0.08
59	410.43	0.27	0.825	409.61	0.22
60	410.35	0.19	1.185	408.97	0.23
61	389.36	2.29	0.336	388.93	0.77
62	371.48	0.13	0.573	370.87	0.07
63	376.82	0.79	0.298	376.41	0.24
64	378.8	0.29	0.379	378.36	0.11
65	379.61	0.54	0.182	379.4	0.1



LEGEND

Site Extent

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: 4048-0-4534 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.		

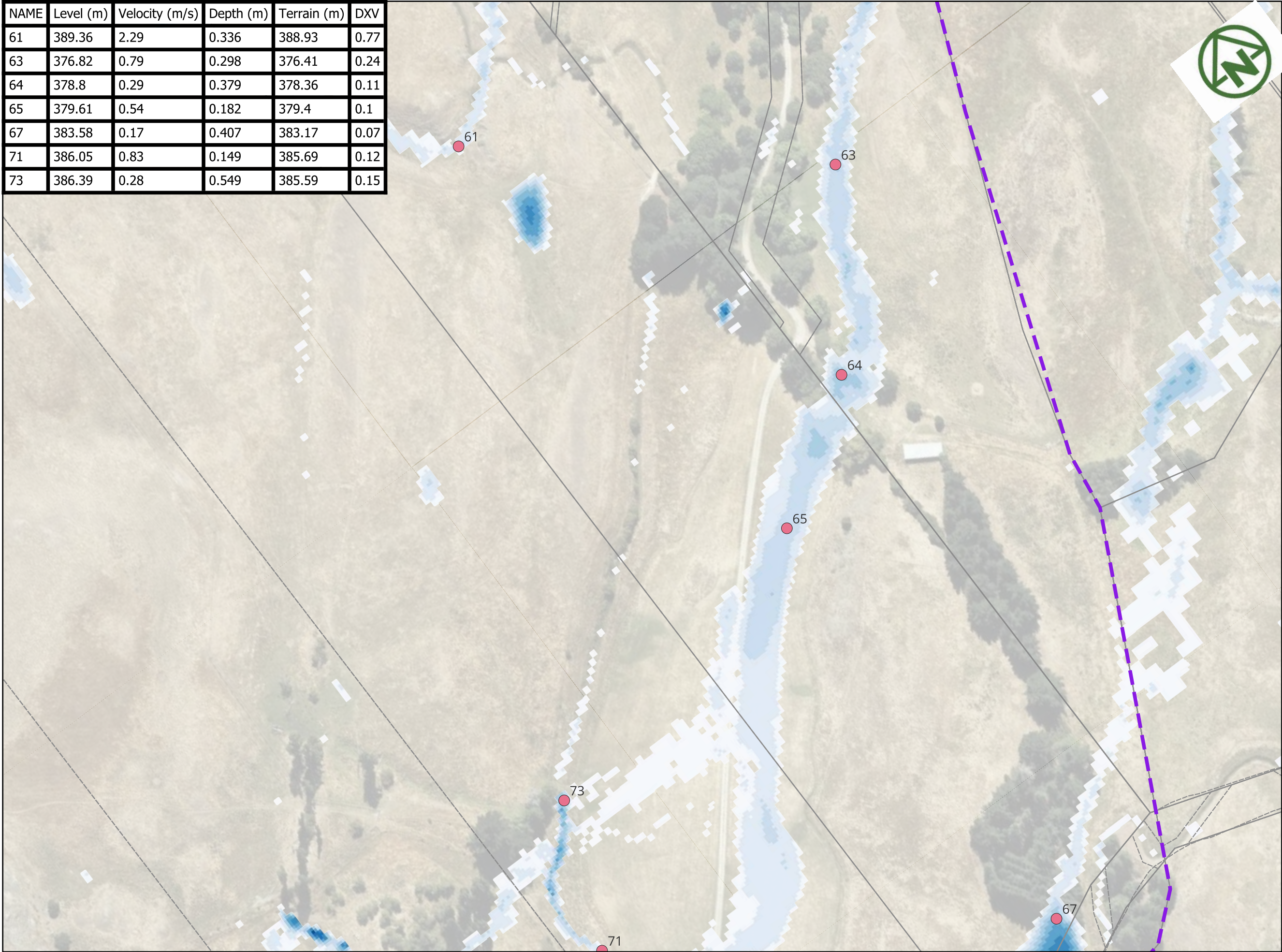


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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10YEAR/10AEP
PRE-DEVELOPMENT EXTENT
SHEET 4

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
61	389.36	2.29	0.336	388.93	0.77
63	376.82	0.79	0.298	376.41	0.24
64	378.8	0.29	0.379	378.36	0.11
65	379.61	0.54	0.182	379.4	0.1
67	383.58	0.17	0.407	383.17	0.07
71	386.05	0.83	0.149	385.69	0.12
73	386.39	0.28	0.549	385.59	0.15



LEGEND

- Site Extent
- 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: 4048-0-4535
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.		



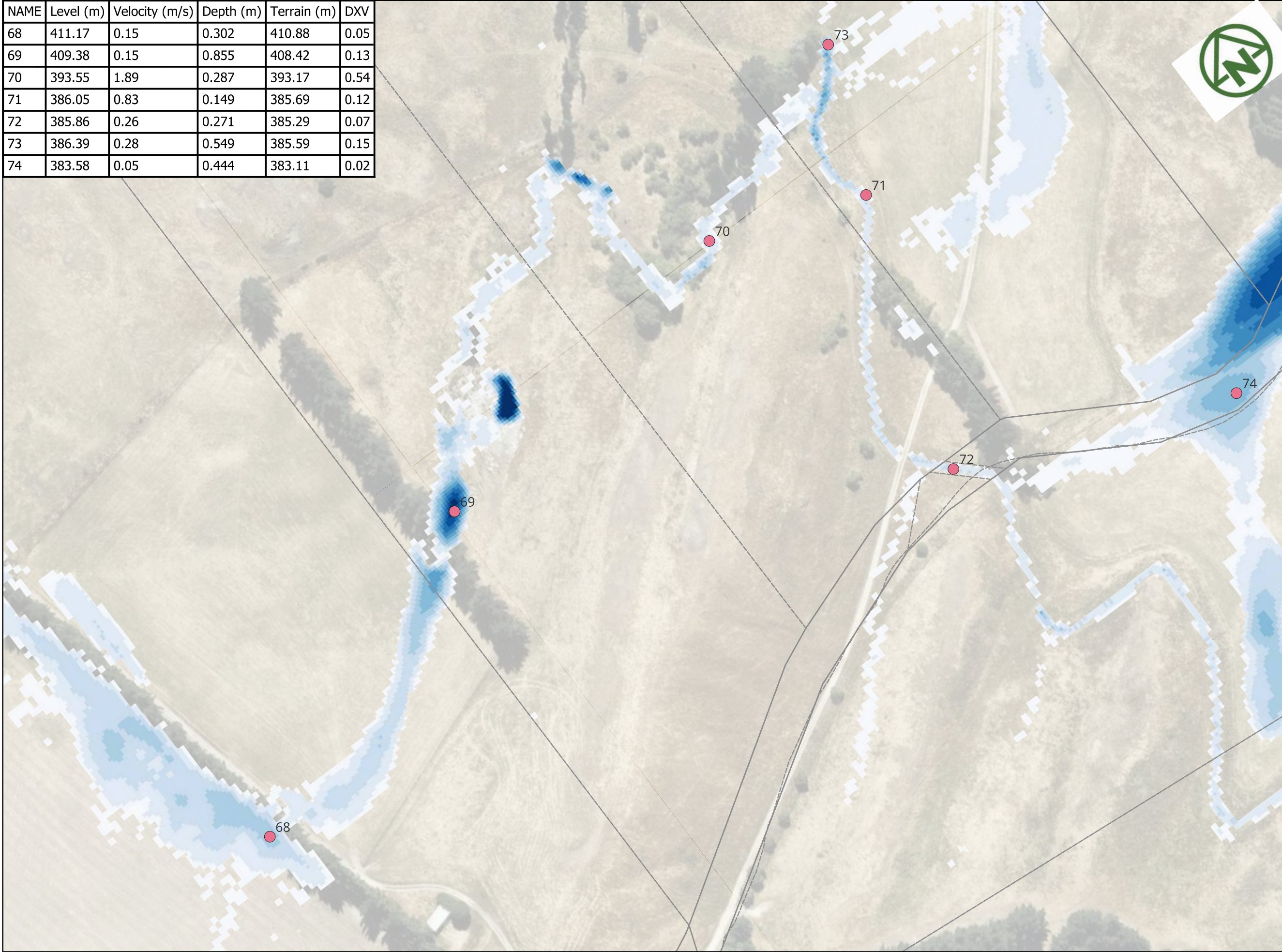
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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10YEAR/10AEP
PRE-DEVELOPMENT EXTENT
SHEET 5

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
68	411.17	0.15	0.302	410.88	0.05
69	409.38	0.15	0.855	408.42	0.13
70	393.55	1.89	0.287	393.17	0.54
71	386.05	0.83	0.149	385.69	0.12
72	385.86	0.26	0.271	385.29	0.07
73	386.39	0.28	0.549	385.59	0.15
74	383.58	0.05	0.444	383.11	0.02



LEGEND

- Site Extent
- 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: 4048-0-4536 REV: A

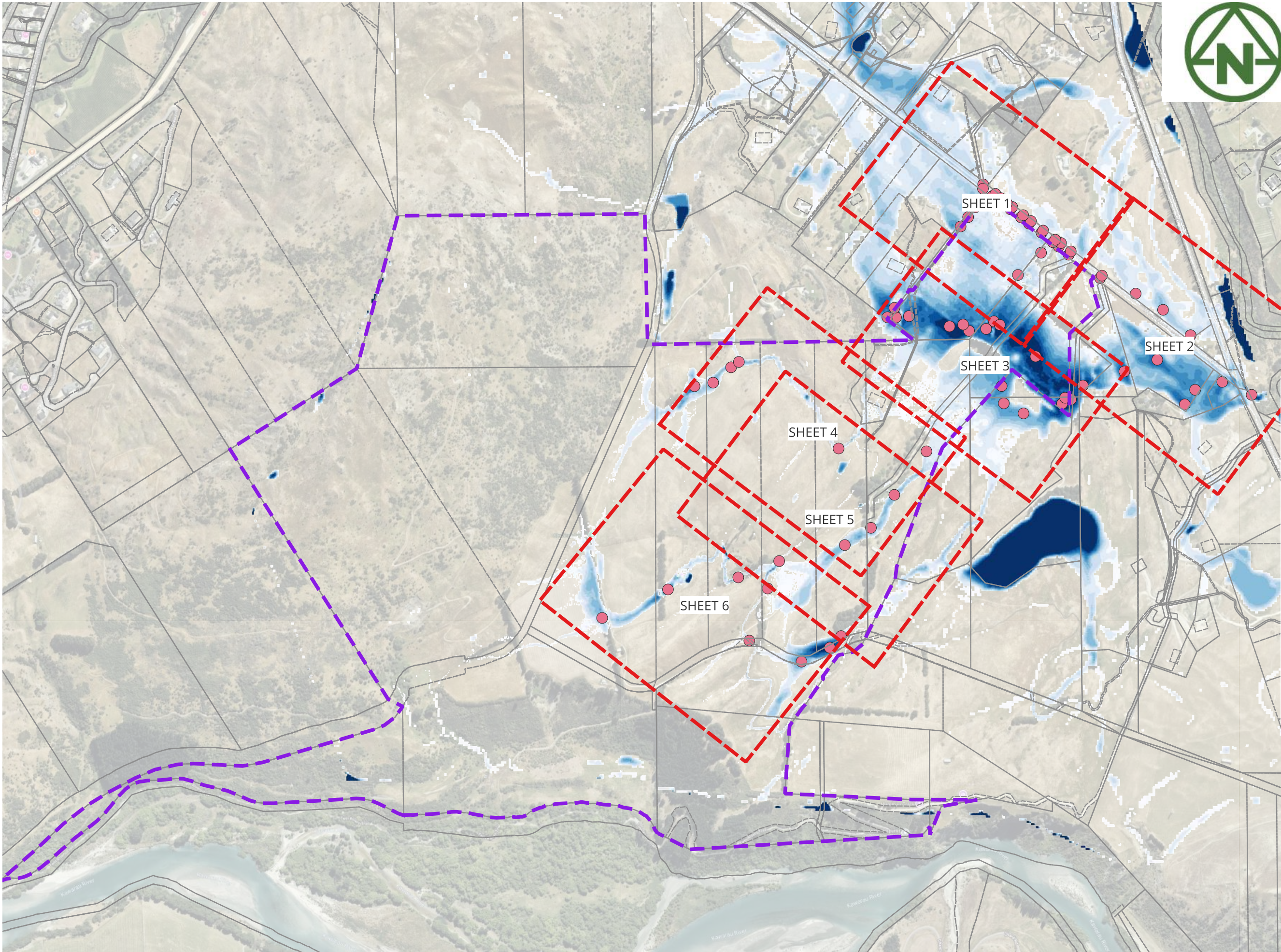
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ			



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QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10YEAR/10AEP
PRE-DEVELOPMENT EXTENT
SHEET 6



LEGEND

- Site Extent
- CUTSHEET

- 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:
4048-0-4550

REV:
A

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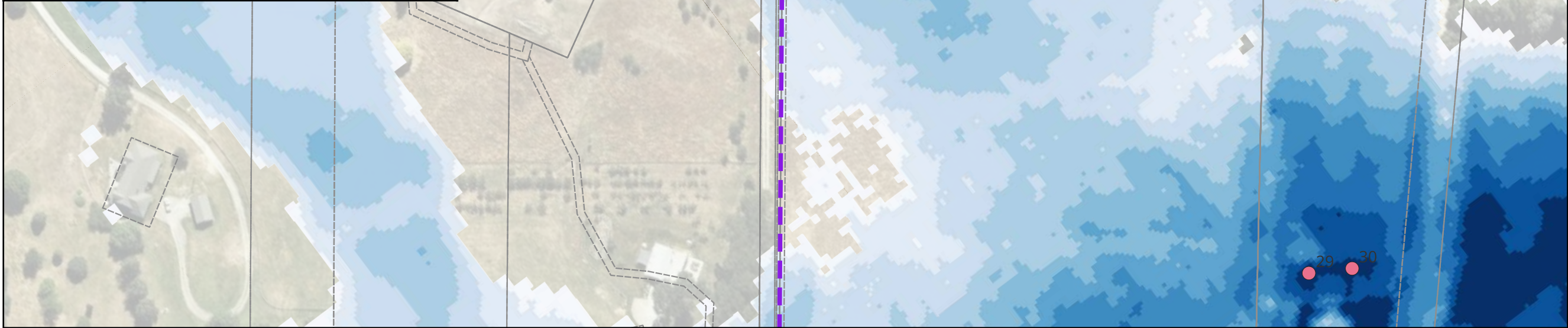
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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE-DEVELOPMENT EXTENT
OVERALL

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.43	1.54	0.362	371.08	0.56
2	370.04	0.45	0.274	369.65	0.12
3	369.93	0.76	0.308	369.6	0.23
4	369.8	0.69	0.348	369.44	0.24
5	369.69	0.78	0.447	368.97	0.35
6	370.18	0.87	0.381	369.83	0.33
7	369.97	0.65	0.448	369.52	0.29
8	369.96	0.52	0.313	369.54	0.16
9	369.85	0.99	0.345	369.26	0.34
10	369.83	0.91	0.207	369.49	0.19
11	367.92	0.4	0.257	367.69	0.1
12	367.95	0.76	0.186	367.71	0.14
13	368.14	1.55	0.122	367.91	0.19
14	368.37	0.79	0.211	368.06	0.17
15	368.64	0.61	0.151	368.47	0.09
16	368.54	1.35	0.197	368.26	0.27
17	368.9	0.74	0.226	368.57	0.17
18	368.9	0.54	0.224	368.57	0.12
19	369.09	0.83	0.35	368.71	0.29
20	369.09	0.71	0.161	368.79	0.11
21	369.25	0.92	0.284	368.85	0.26
22	369.24	0.68	0.196	368.96	0.13
23	369.48	1.32	0.352	368.97	0.46
24.	369.48	0.93	0.185	369.28	0.17
25	369.62	1.28	0.296	369.25	0.38
26	369.62	0.95	0.137	369.49	0.13
27	368.86	0.02	0.791	368.03	0.01
28	368.83	0.14	0.936	367.68	0.13
29	368.57	0.35	0.937	367.61	0.33
30	368.56	0.34	0.924	367.63	0.32



LEGEND

- Site Extent
- 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-O-4551

REV:
A

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



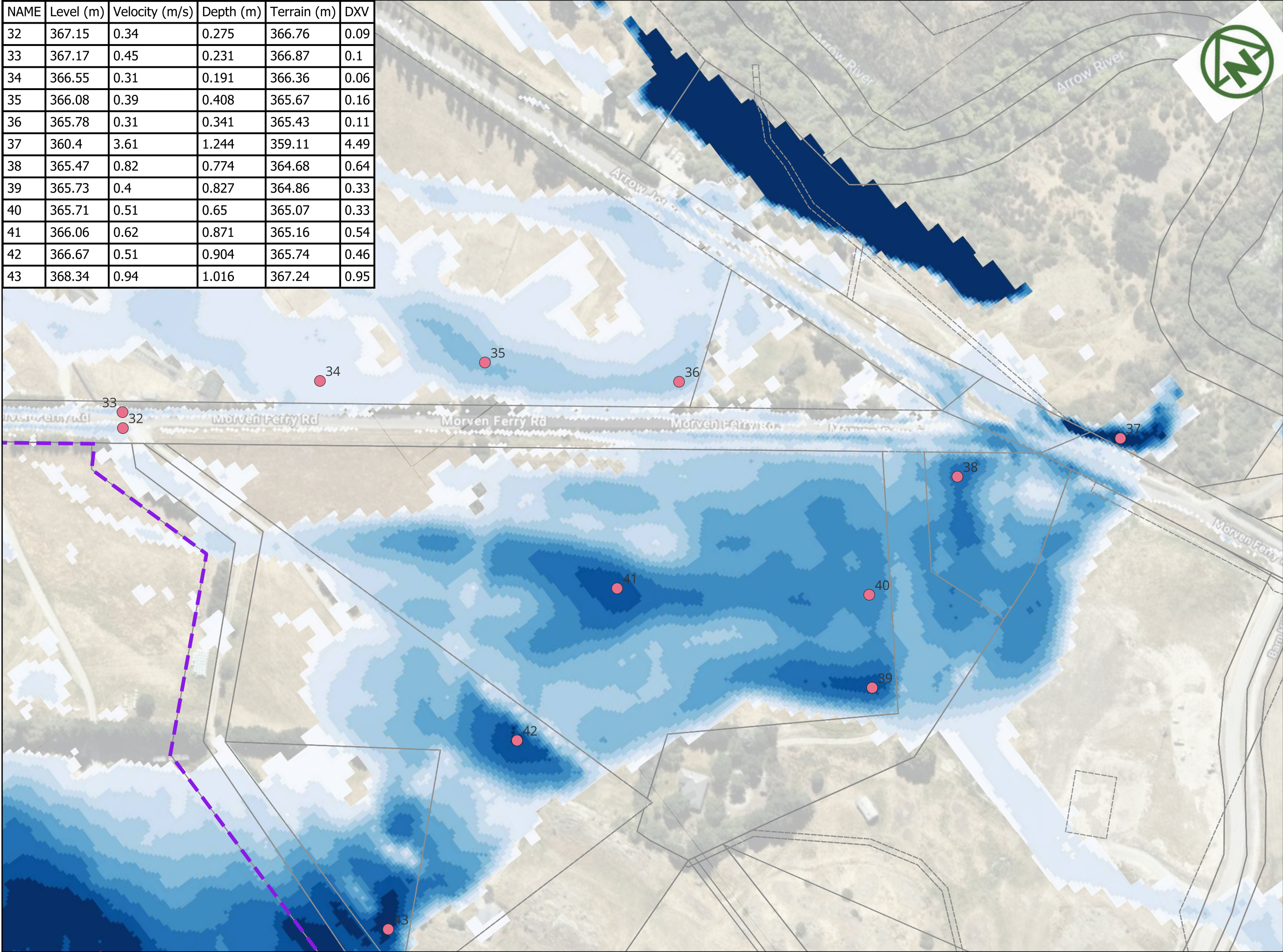
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QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE-DEVELOPMENT EXTENT
SHEET 1

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
32	367.15	0.34	0.275	366.76	0.09
33	367.17	0.45	0.231	366.87	0.1
34	366.55	0.31	0.191	366.36	0.06
35	366.08	0.39	0.408	365.67	0.16
36	365.78	0.31	0.341	365.43	0.11
37	360.4	3.61	1.244	359.11	4.49
38	365.47	0.82	0.774	364.68	0.64
39	365.73	0.4	0.827	364.86	0.33
40	365.71	0.51	0.65	365.07	0.33
41	366.06	0.62	0.871	365.16	0.54
42	366.67	0.51	0.904	365.74	0.46
43	368.34	0.94	1.016	367.24	0.95



LEGEND

Site Extent

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: 4048-0-4552 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.		



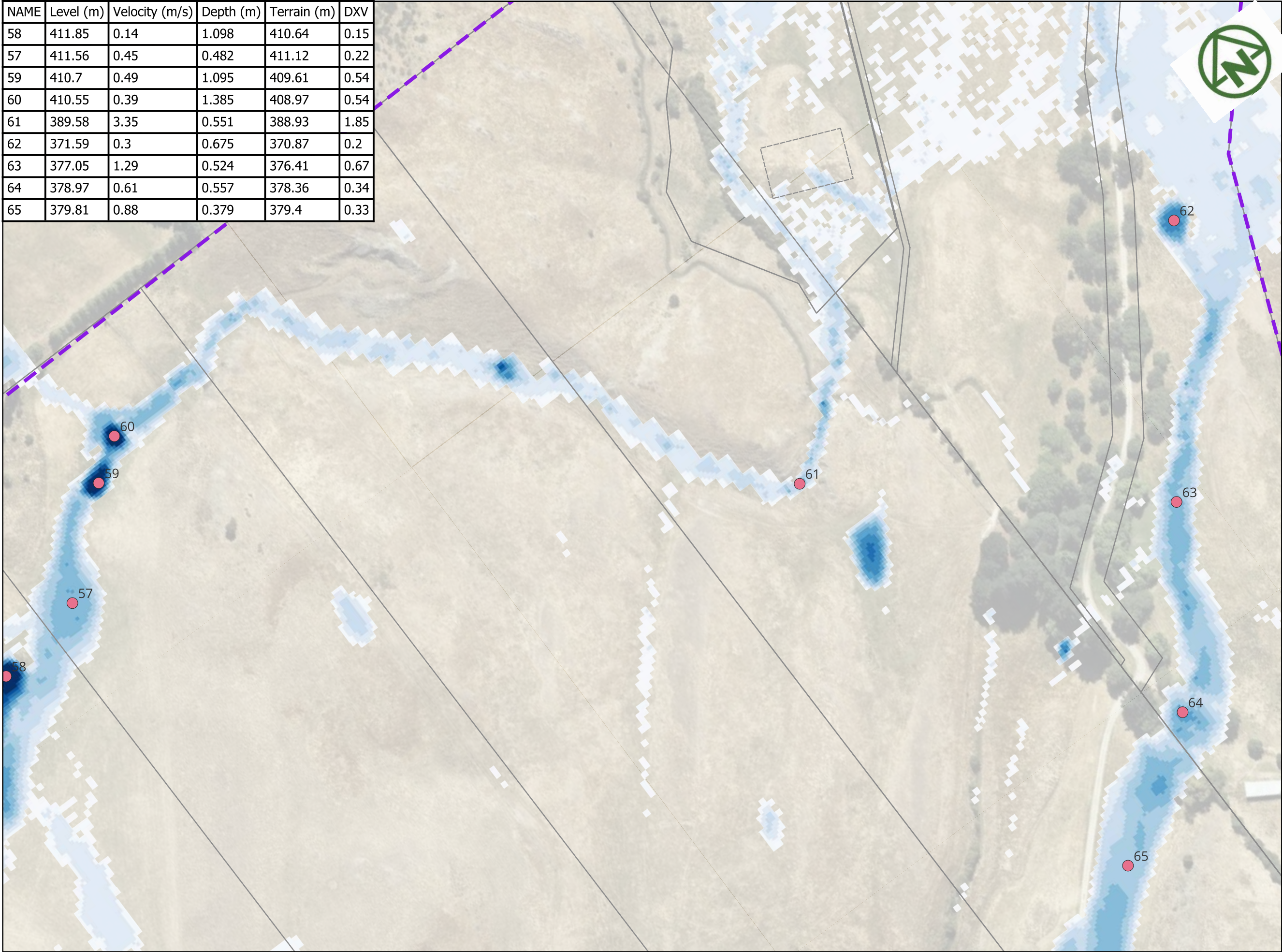
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STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE-DEVELOPMENT EXTENT
SHEET 2

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
58	411.85	0.14	1.098	410.64	0.15
57	411.56	0.45	0.482	411.12	0.22
59	410.7	0.49	1.095	409.61	0.54
60	410.55	0.39	1.385	408.97	0.54
61	389.58	3.35	0.551	388.93	1.85
62	371.59	0.3	0.675	370.87	0.2
63	377.05	1.29	0.524	376.41	0.67
64	378.97	0.61	0.557	378.36	0.34
65	379.81	0.88	0.379	379.4	0.33



LEGEND

-  Site Extent
-  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: 4048-0-4554 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.		

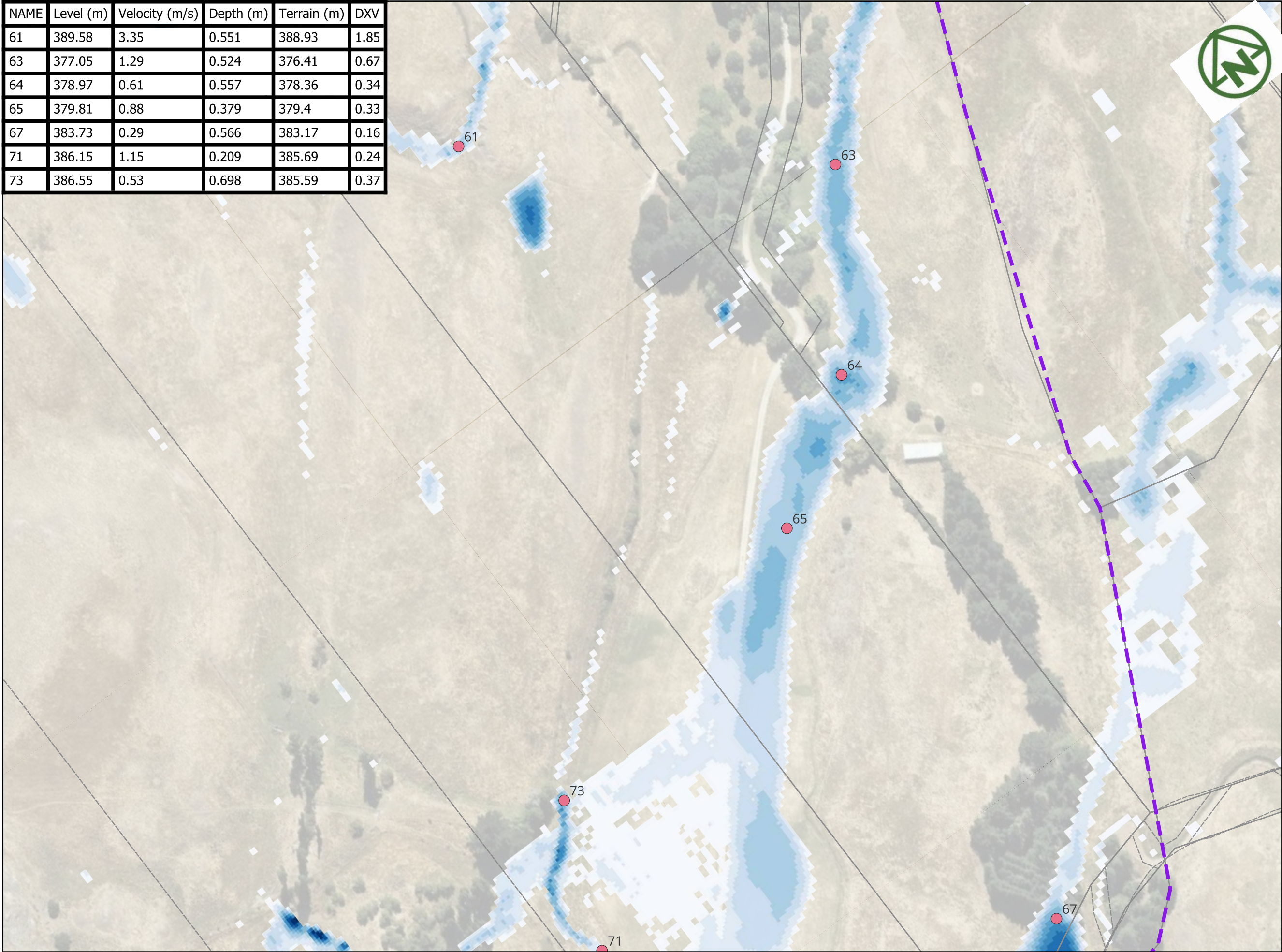


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ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE-DEVELOPMENT EXTENT
SHEET 4

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
61	389.58	3.35	0.551	388.93	1.85
63	377.05	1.29	0.524	376.41	0.67
64	378.97	0.61	0.557	378.36	0.34
65	379.81	0.88	0.379	379.4	0.33
67	383.73	0.29	0.566	383.17	0.16
71	386.15	1.15	0.209	385.69	0.24
73	386.55	0.53	0.698	385.59	0.37



LEGEND

Site Extent

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:
4048-0-4555

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.		



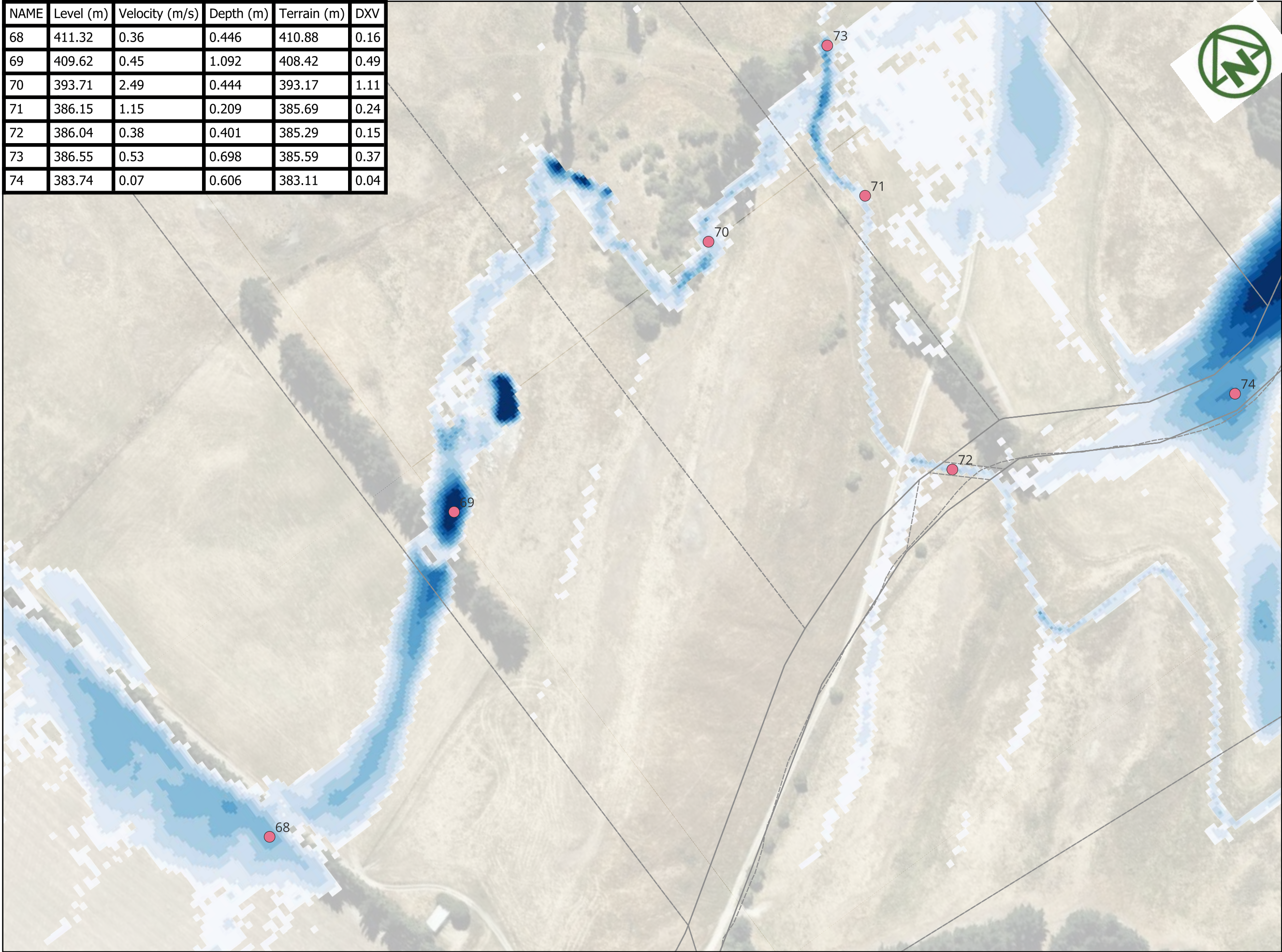
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QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE-DEVELOPMENT EXTENT
SHEET 5

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
68	411.32	0.36	0.446	410.88	0.16
69	409.62	0.45	1.092	408.42	0.49
70	393.71	2.49	0.444	393.17	1.11
71	386.15	1.15	0.209	385.69	0.24
72	386.04	0.38	0.401	385.29	0.15
73	386.55	0.53	0.698	385.59	0.37
74	383.74	0.07	0.606	383.11	0.04



LEGEND

Site Extent

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: 4048-0-4556
REV: A

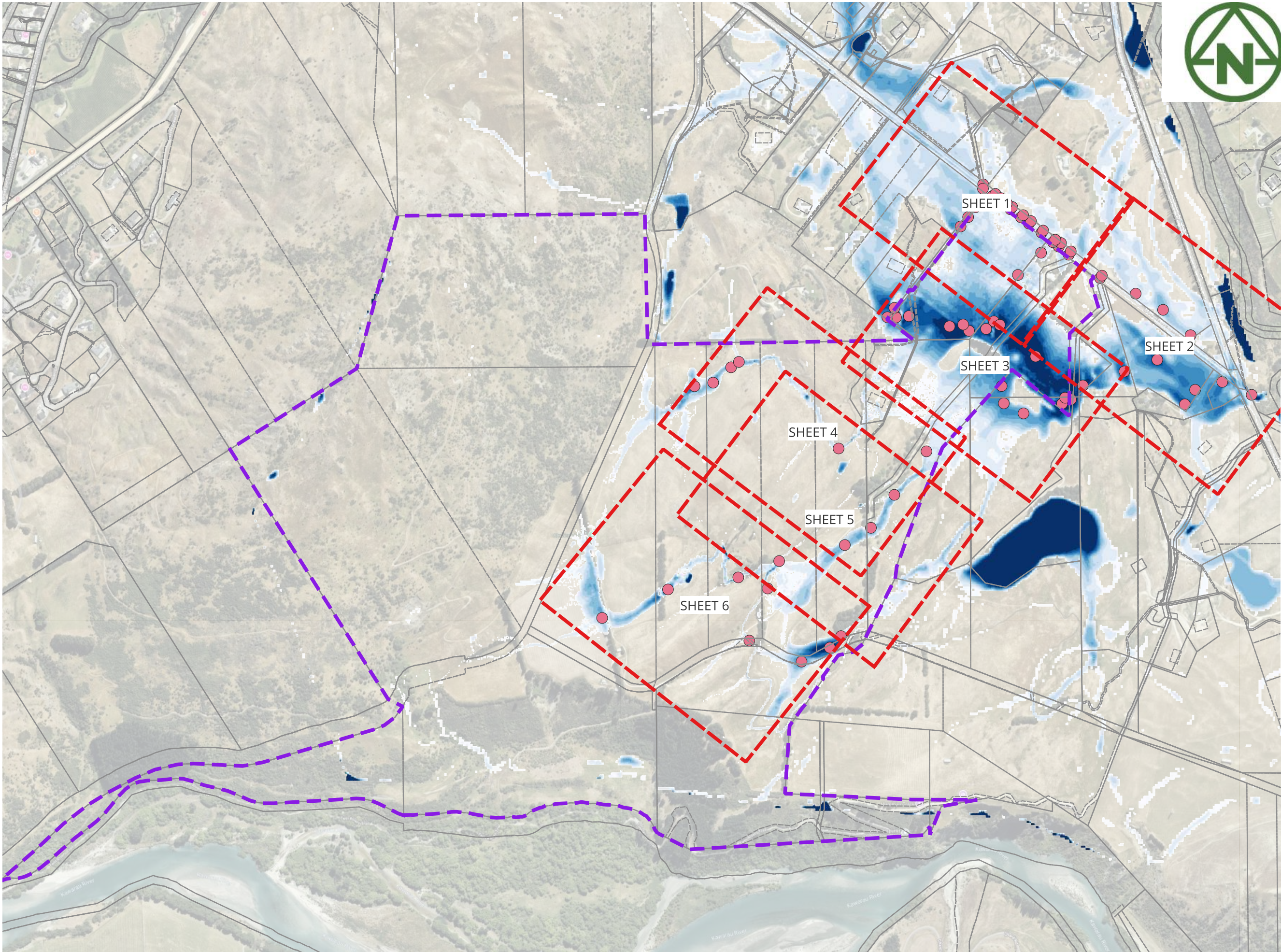
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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STORMWATER
FLOOD EVENT
Q 100YEAR/1AEP
PRE-DEVELOPMENT EXTENT
SHEET 6



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

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

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:13,000

DRAWING NO: 4048-0-4560 REV: A

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



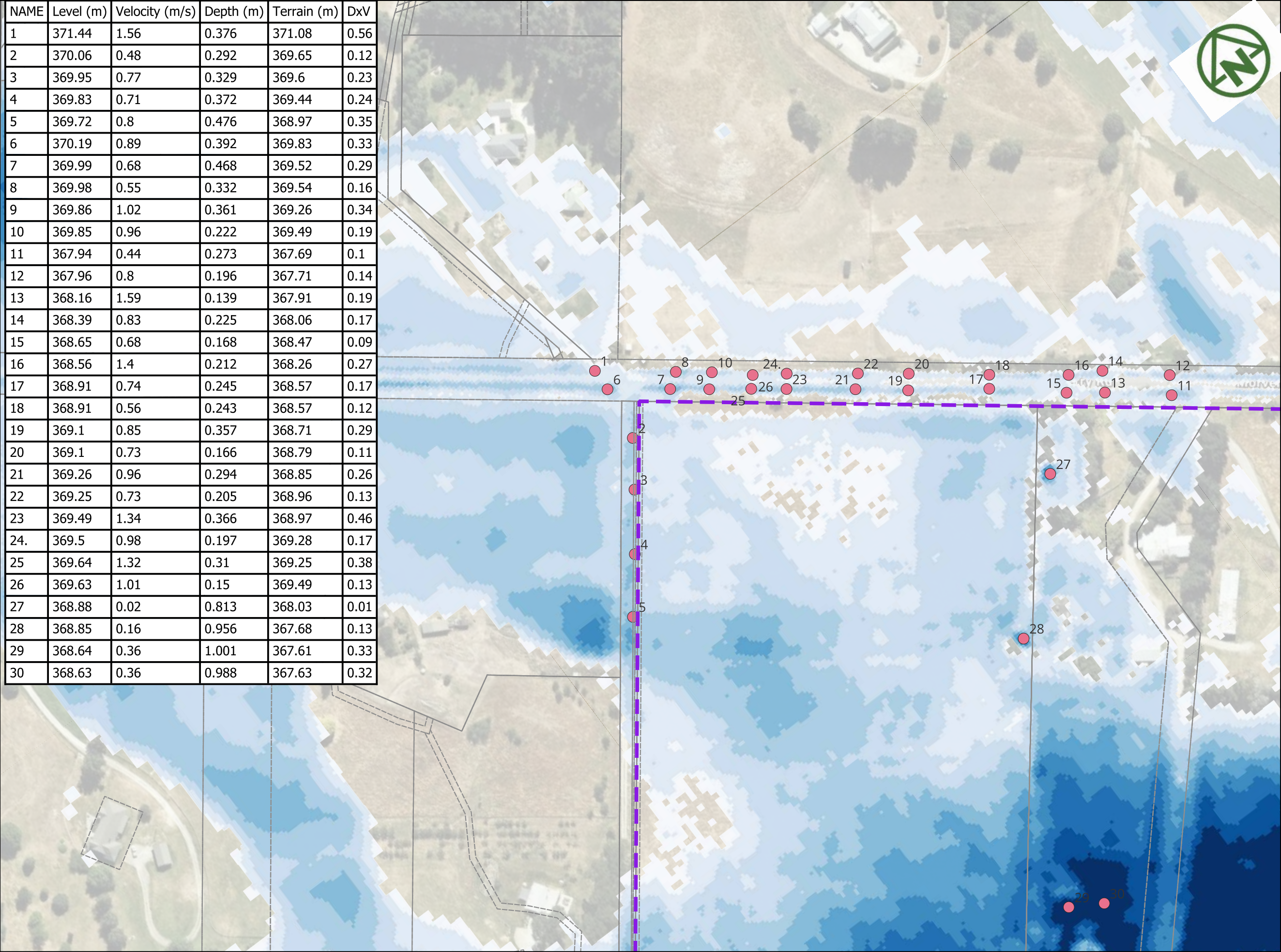
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ARROW JUNCTION
QUEENSTOWN

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

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
1	371.44	1.56	0.376	371.08	0.56
2	370.06	0.48	0.292	369.65	0.12
3	369.95	0.77	0.329	369.6	0.23
4	369.83	0.71	0.372	369.44	0.24
5	369.72	0.8	0.476	368.97	0.35
6	370.19	0.89	0.392	369.83	0.33
7	369.99	0.68	0.468	369.52	0.29
8	369.98	0.55	0.332	369.54	0.16
9	369.86	1.02	0.361	369.26	0.34
10	369.85	0.96	0.222	369.49	0.19
11	367.94	0.44	0.273	367.69	0.1
12	367.96	0.8	0.196	367.71	0.14
13	368.16	1.59	0.139	367.91	0.19
14	368.39	0.83	0.225	368.06	0.17
15	368.65	0.68	0.168	368.47	0.09
16	368.56	1.4	0.212	368.26	0.27
17	368.91	0.74	0.245	368.57	0.17
18	368.91	0.56	0.243	368.57	0.12
19	369.1	0.85	0.357	368.71	0.29
20	369.1	0.73	0.166	368.79	0.11
21	369.26	0.96	0.294	368.85	0.26
22	369.25	0.73	0.205	368.96	0.13
23	369.49	1.34	0.366	368.97	0.46
24.	369.5	0.98	0.197	369.28	0.17
25	369.64	1.32	0.31	369.25	0.38
26	369.63	1.01	0.15	369.49	0.13
27	368.88	0.02	0.813	368.03	0.01
28	368.85	0.16	0.956	367.68	0.13
29	368.64	0.36	1.001	367.61	0.33
30	368.63	0.36	0.988	367.63	0.32



LEGEND

- Site Extent
- 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:
4048-0-4561

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.		



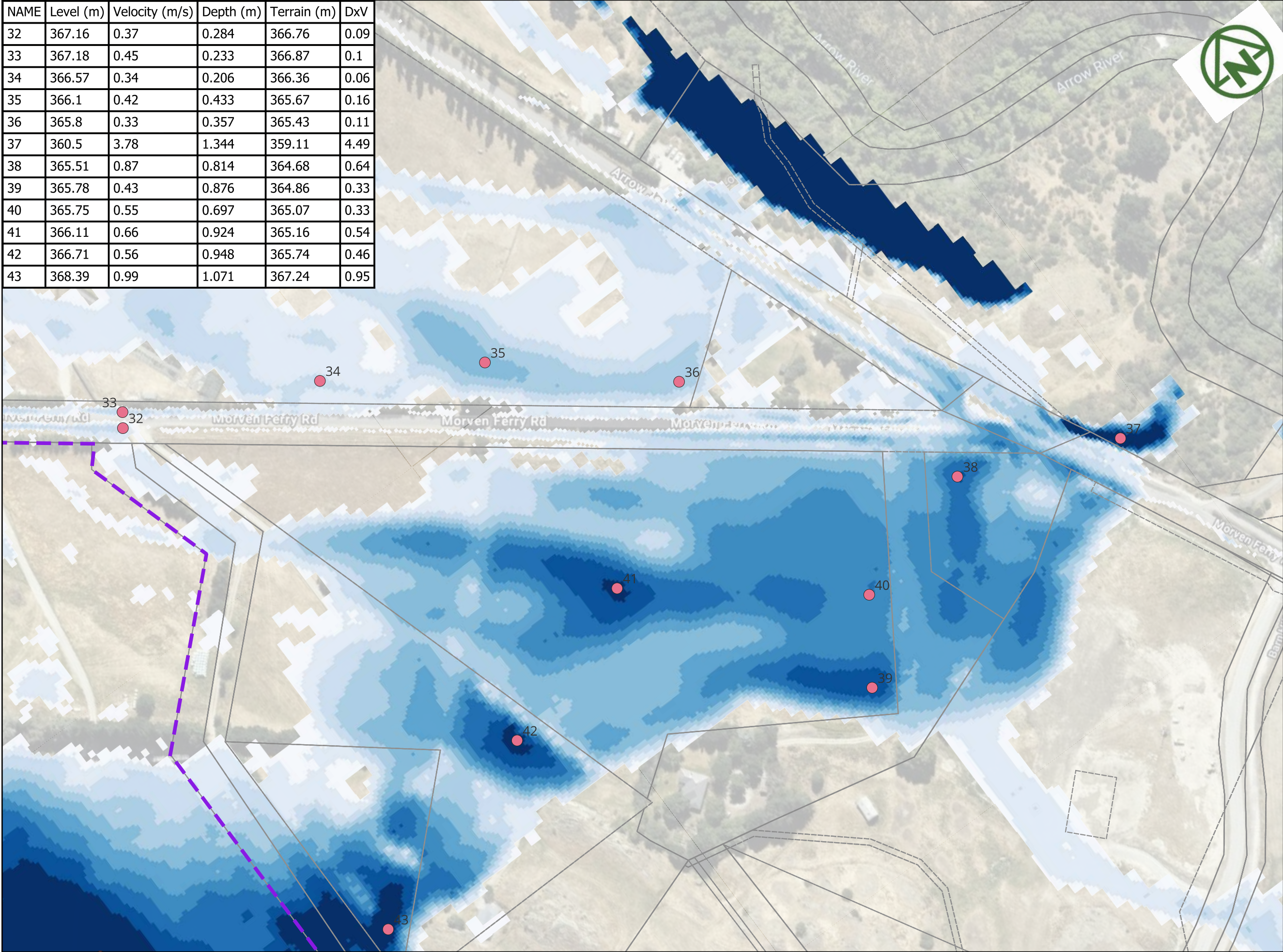
MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200YEAR/0.5AEP
PRE-DEVELOPMENT EXTENT
SHEET 1

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
32	367.16	0.37	0.284	366.76	0.09
33	367.18	0.45	0.233	366.87	0.1
34	366.57	0.34	0.206	366.36	0.06
35	366.1	0.42	0.433	365.67	0.16
36	365.8	0.33	0.357	365.43	0.11
37	360.5	3.78	1.344	359.11	4.49
38	365.51	0.87	0.814	364.68	0.64
39	365.78	0.43	0.876	364.86	0.33
40	365.75	0.55	0.697	365.07	0.33
41	366.11	0.66	0.924	365.16	0.54
42	366.71	0.56	0.948	365.74	0.46
43	368.39	0.99	1.071	367.24	0.95



LEGEND

Site Extent

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:
4048-0-4562

REV:
A

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

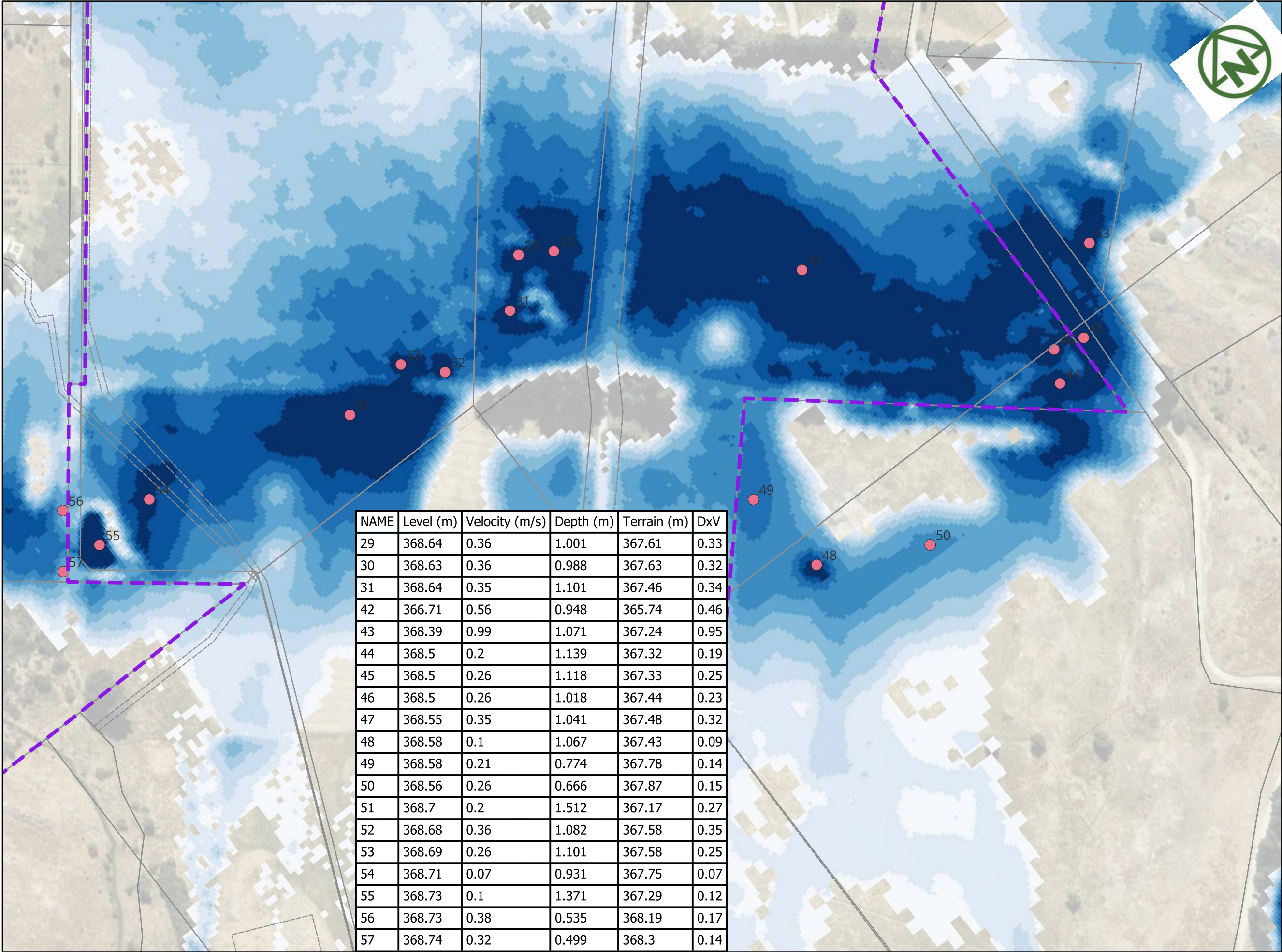


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RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
29	368.64	0.36	1.001	367.61	0.33
30	368.63	0.36	0.988	367.63	0.32
31	368.64	0.35	1.101	367.46	0.34
42	366.71	0.56	0.948	365.74	0.46
43	368.39	0.99	1.071	367.24	0.95
44	368.5	0.2	1.139	367.32	0.19
45	368.5	0.26	1.118	367.33	0.25
46	368.5	0.26	1.018	367.44	0.23
47	368.55	0.35	1.041	367.48	0.32
48	368.58	0.1	1.067	367.43	0.09
49	368.58	0.21	0.774	367.78	0.14
50	368.56	0.26	0.666	367.87	0.15
51	368.7	0.2	1.512	367.17	0.27
52	368.68	0.36	1.082	367.58	0.35
53	368.69	0.26	1.101	367.58	0.25
54	368.71	0.07	0.931	367.75	0.07
55	368.73	0.1	1.371	367.29	0.12
56	368.73	0.38	0.535	368.19	0.17
57	368.74	0.32	0.499	368.3	0.14

LEGEND

- Site Extent
- 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:
1:2,499.354095

DRAWING NO: 4048-0-4563 REV: A

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

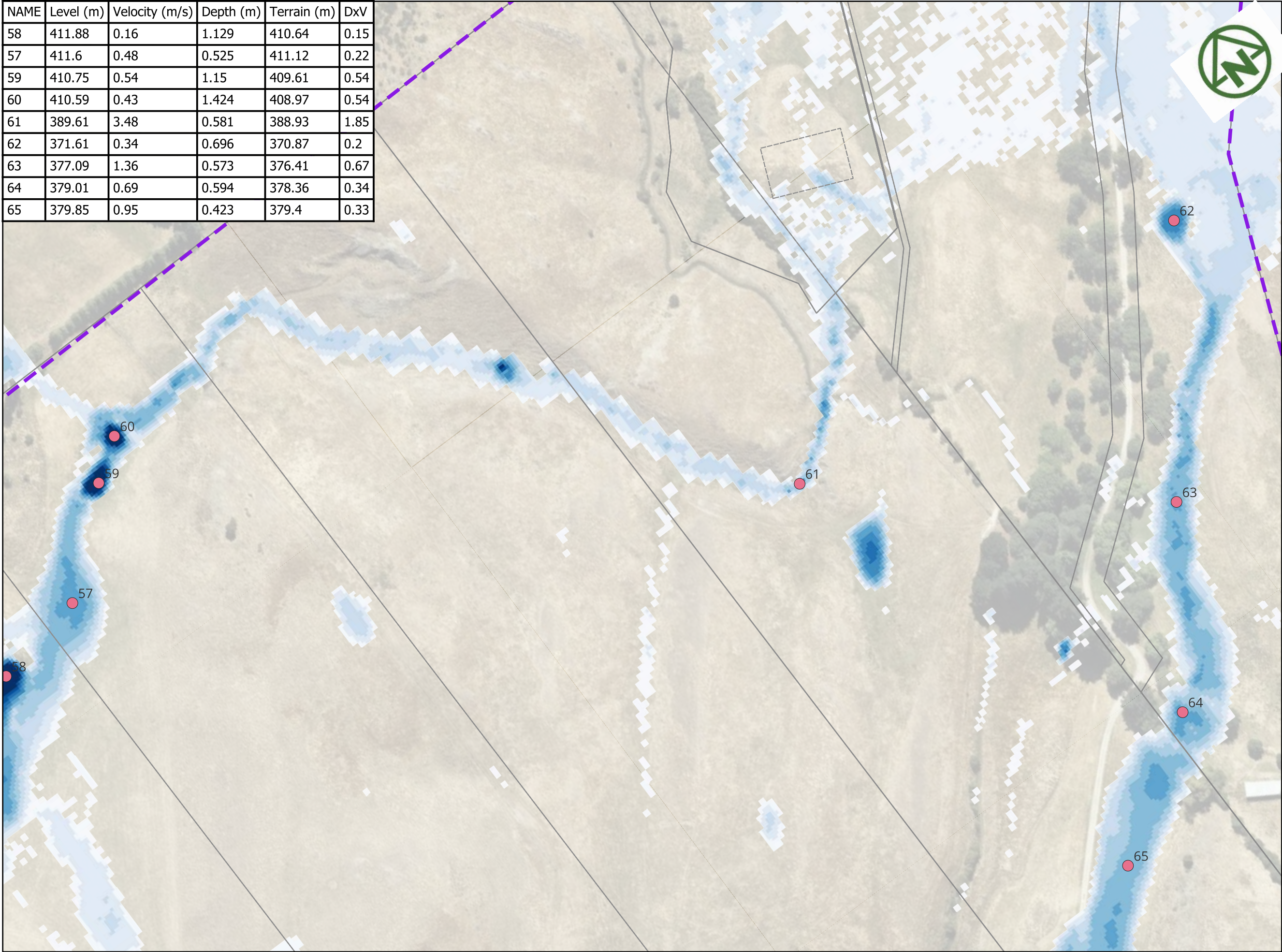


RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
58	411.88	0.16	1.129	410.64	0.15
57	411.6	0.48	0.525	411.12	0.22
59	410.75	0.54	1.15	409.61	0.54
60	410.59	0.43	1.424	408.97	0.54
61	389.61	3.48	0.581	388.93	1.85
62	371.61	0.34	0.696	370.87	0.2
63	377.09	1.36	0.573	376.41	0.67
64	379.01	0.69	0.594	378.36	0.34
65	379.85	0.95	0.423	379.4	0.33



LEGEND

Site Extent

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: 4048-0-4564 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.		

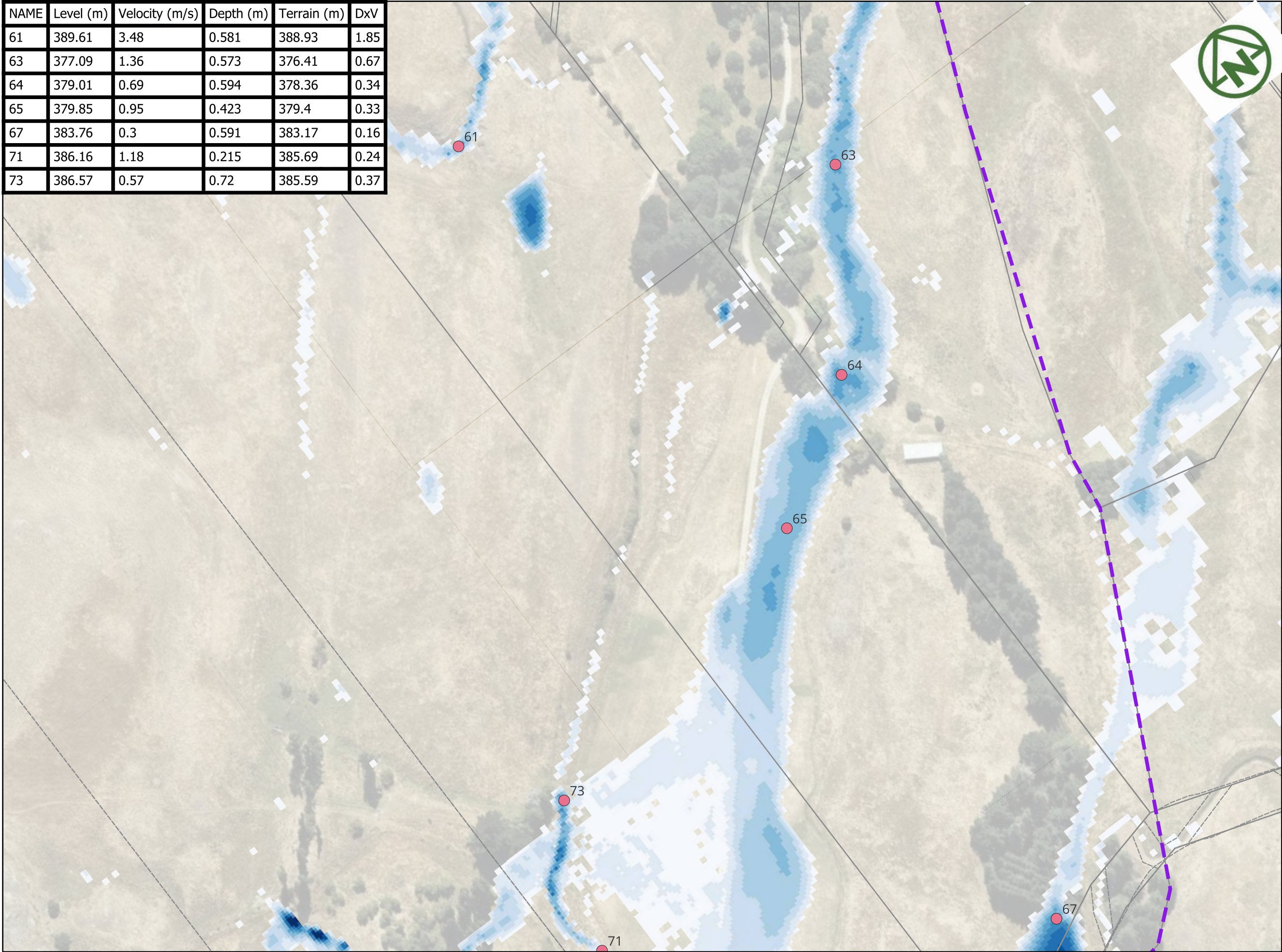


RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
61	389.61	3.48	0.581	388.93	1.85
63	377.09	1.36	0.573	376.41	0.67
64	379.01	0.69	0.594	378.36	0.34
65	379.85	0.95	0.423	379.4	0.33
67	383.76	0.3	0.591	383.17	0.16
71	386.16	1.18	0.215	385.69	0.24
73	386.57	0.57	0.72	385.59	0.37



LEGEND

- Site Extent
- POINTS

FLOOD EPTH

- <= 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: 4048-0-4565
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.		



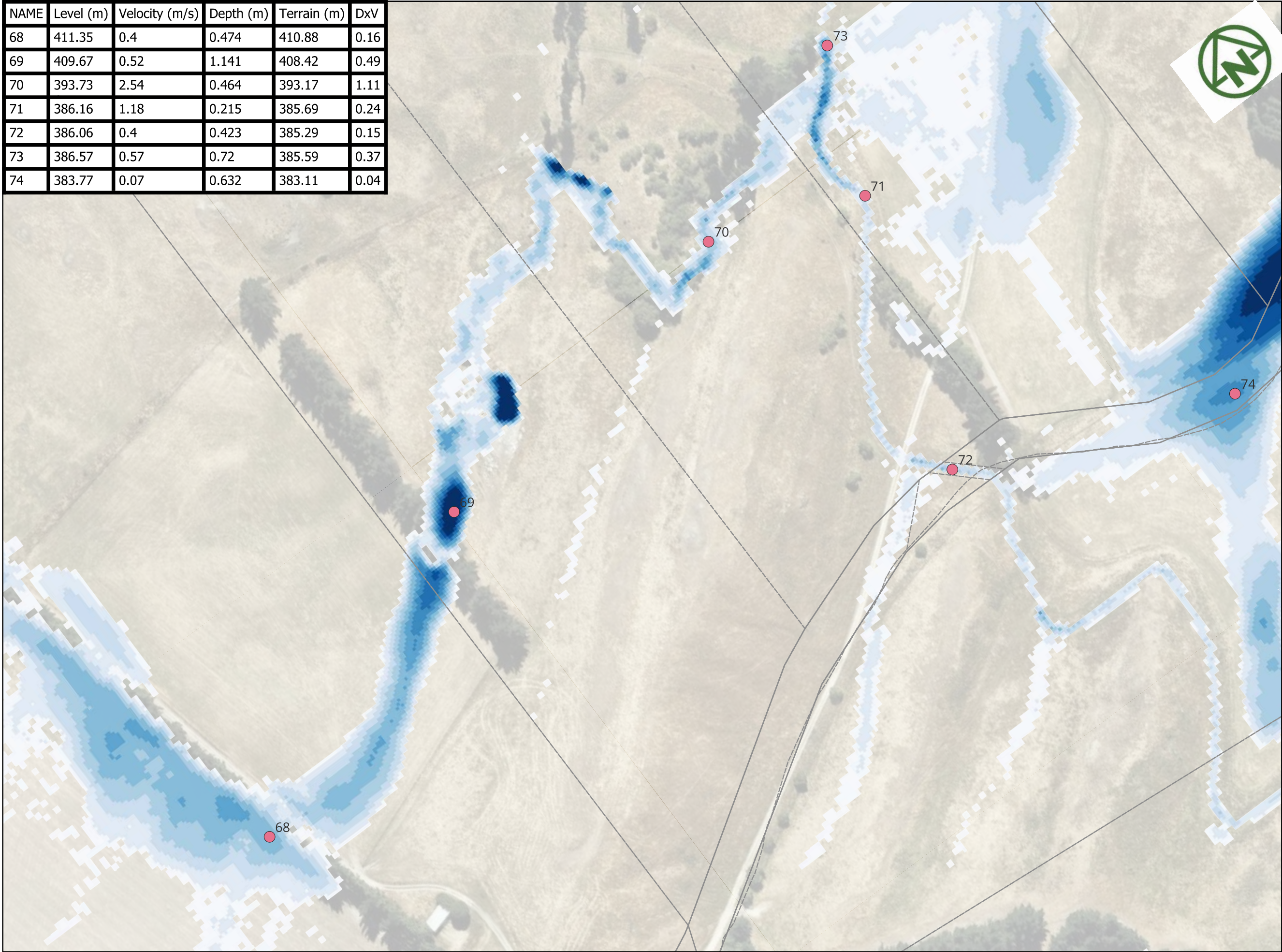
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RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DxV
68	411.35	0.4	0.474	410.88	0.16
69	409.67	0.52	1.141	408.42	0.49
70	393.73	2.54	0.464	393.17	1.11
71	386.16	1.18	0.215	385.69	0.24
72	386.06	0.4	0.423	385.29	0.15
73	386.57	0.57	0.72	385.59	0.37
74	383.77	0.07	0.632	383.11	0.04



LEGEND

Site Extent

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:
4048-0-4566

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.		



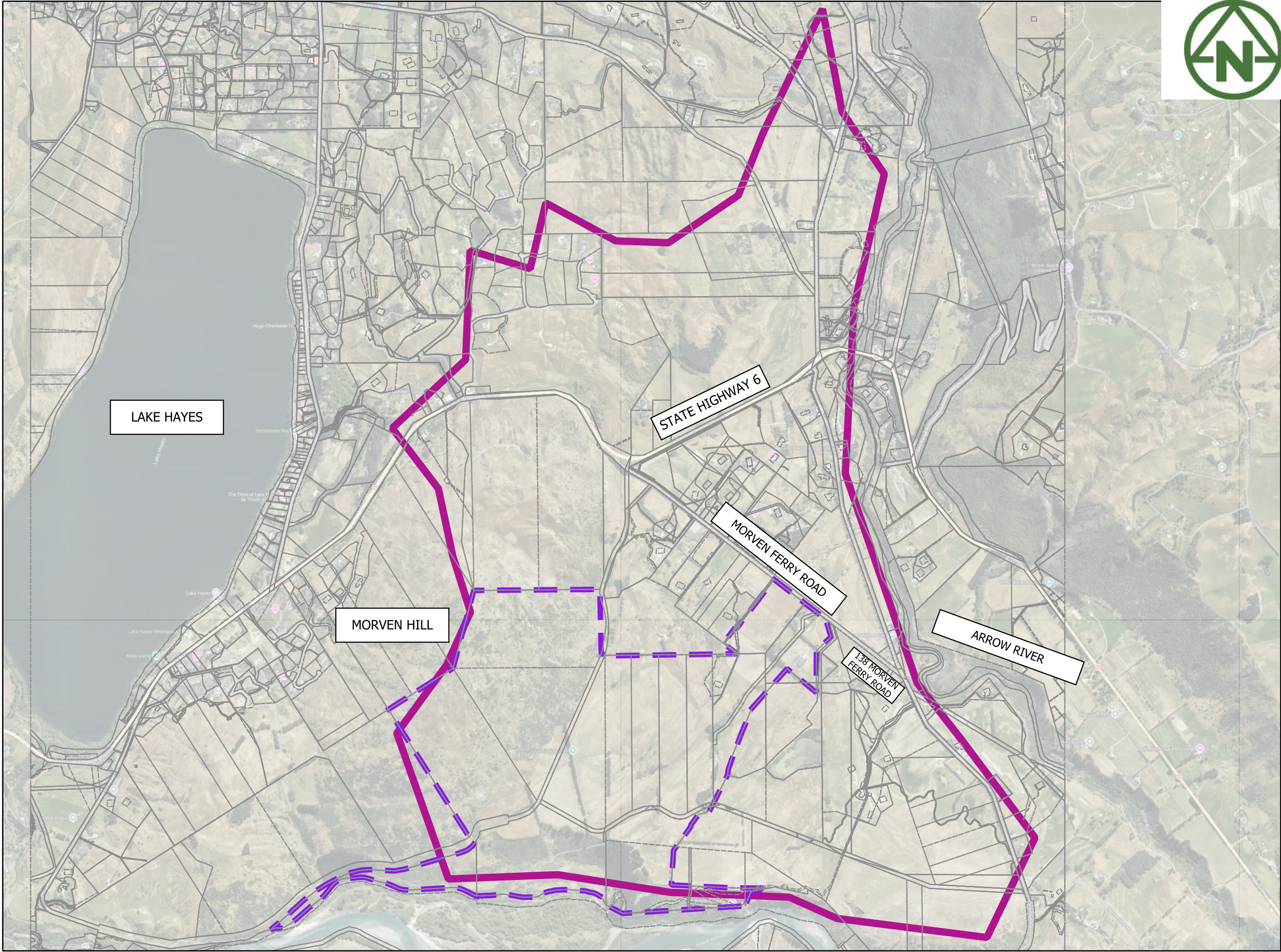
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RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

APPENDIX D – POST DEVELOPMENT FLOOD PLANS



LEGEND

-  SITE EXTENT
-  MODEL EXTENT

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

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:25,500

DRAWING NO:
4048-0-4600

REV:
A

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

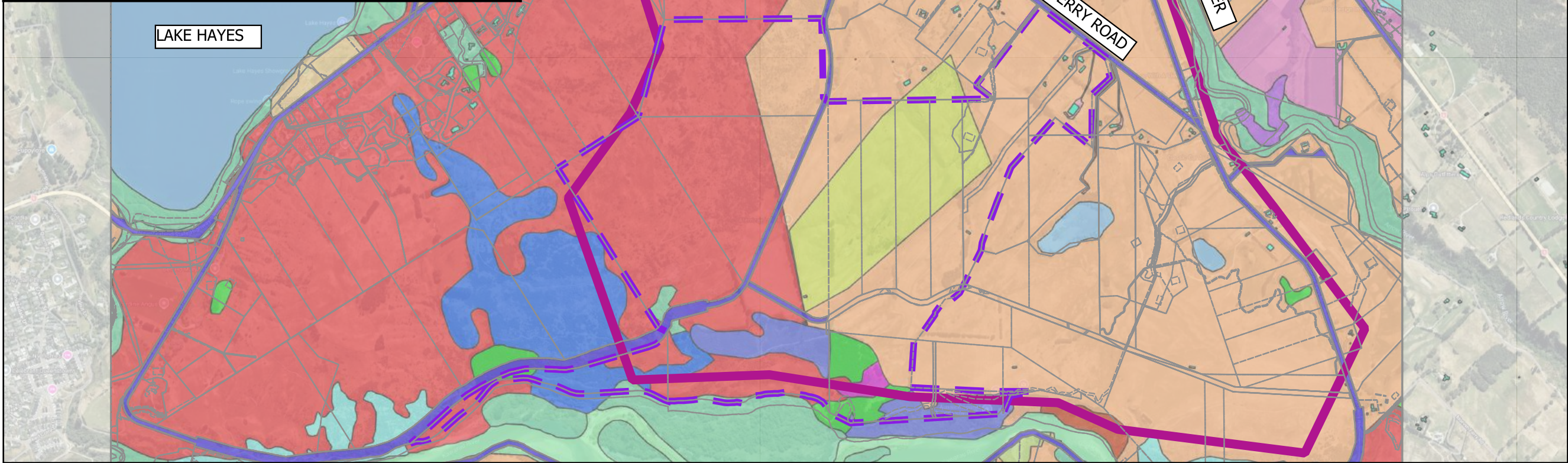


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
POST-DEVELOPMENT
HYDRAULIC MODEL EXTENT PLAN

DESCRIPTION	MANNS N	IMPERVIOUS %
! Buildings	0.1	100%
! Built-up Area (settlement)	0.06	10%
! Deciduous Hardwoods	0.07	0%
! Depleted Grassland	0.06	0%
! Driveway	0.035	45%
! Exotic Forest	0.1	0%
! Forest - Harvested	0.1	0%
! Gorse and/or Broom	0.06	0%
! Gravel and Rock	0.05	50%
! High Producing Exotic Grassland	0.06	100%
! Hill	0.035	15%
! Indigenous Forest	0.1	0%
! Lake or Pond	0.06	100%
! Landslide	0.04	0%
! Low Producing Grassland	0.06	0%
! Manuka and/or Kanuka	0.06	0%
! Matagouri or Grey Scrub	0.06	0%
! Mixed Exotic Shrubland	0.06	0%
! Orchard, Vineyard or Other Perennial Crop	0.06	10%
! Pads	0.035	50%
! River	0.06	100%
! Road	0.03	90%
! Road Parcel	0.03	70%
! Short-rotation Cropland	0.06	0%
! Urban Parkland/Open Space	0.06	0%



LEGEND

- SITE EXTENT
- MODEL EXTENT
- LC_Existing_Modded
- Buildings
- Built-up Area (settlement)
- Deciduous Hardwoods
- Depleted Grassland
- Driveway
- Exotic Forest
- Forest - Harvested
- Gorse and/or Broom
- Gravel and Rock
- High Producing Exotic Grassland
- Hill
- Indigenous Forest
- Lake or Pond
- Landslide
- Low Producing Grassland
- Manuka and/or Kanuka
- Matagouri or Grey Scrub
- Mixed Exotic Shrubland
- Orchard, Vineyard or Crop
- Pads
- River
- Road
- Road Parcel
- Short-rotation Cropland
- Urban Parkland/Open Space

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

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:25,000

DRAWING NO:
4048-0-4601

REV:
A

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

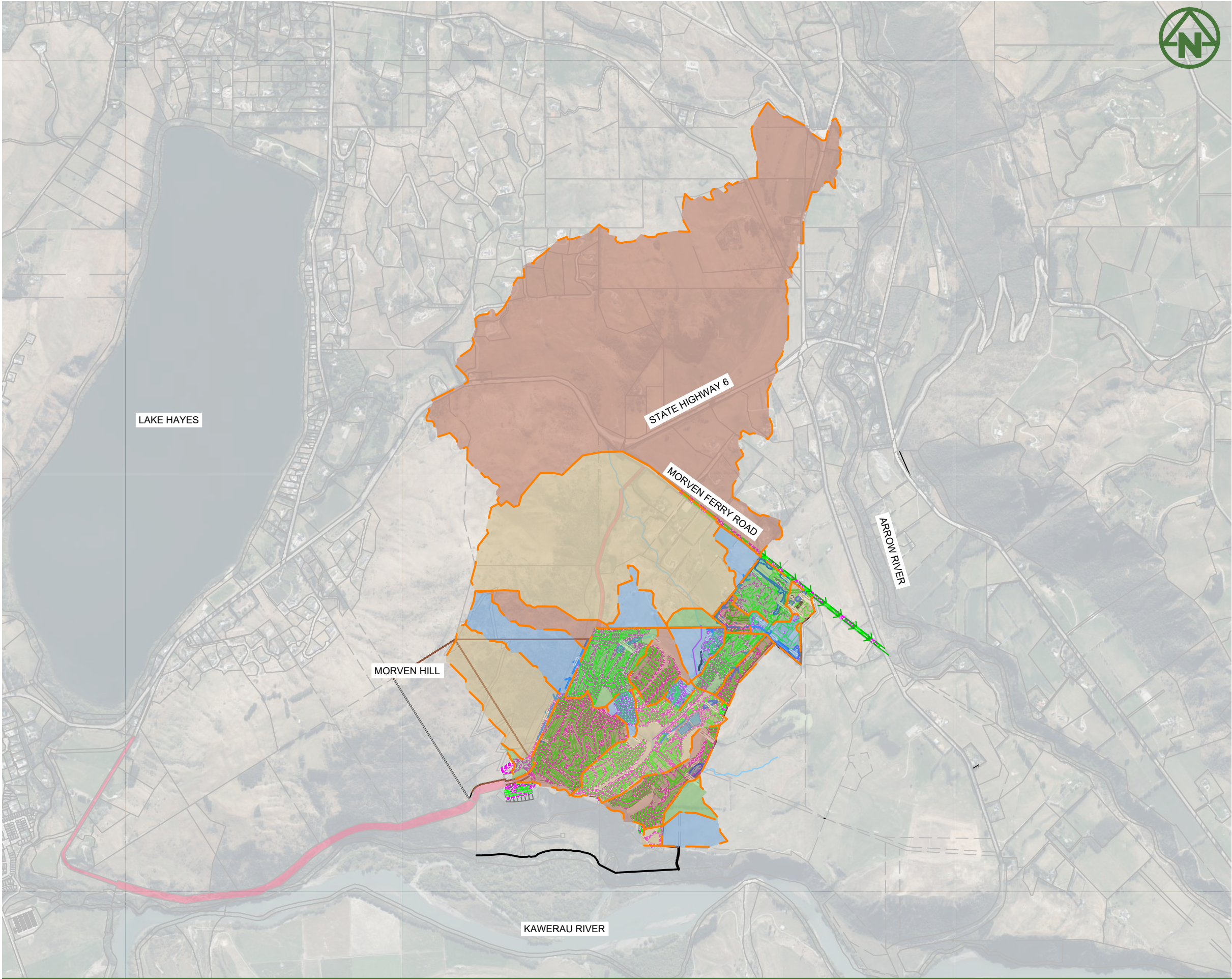


MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
LAND COVER PLAN

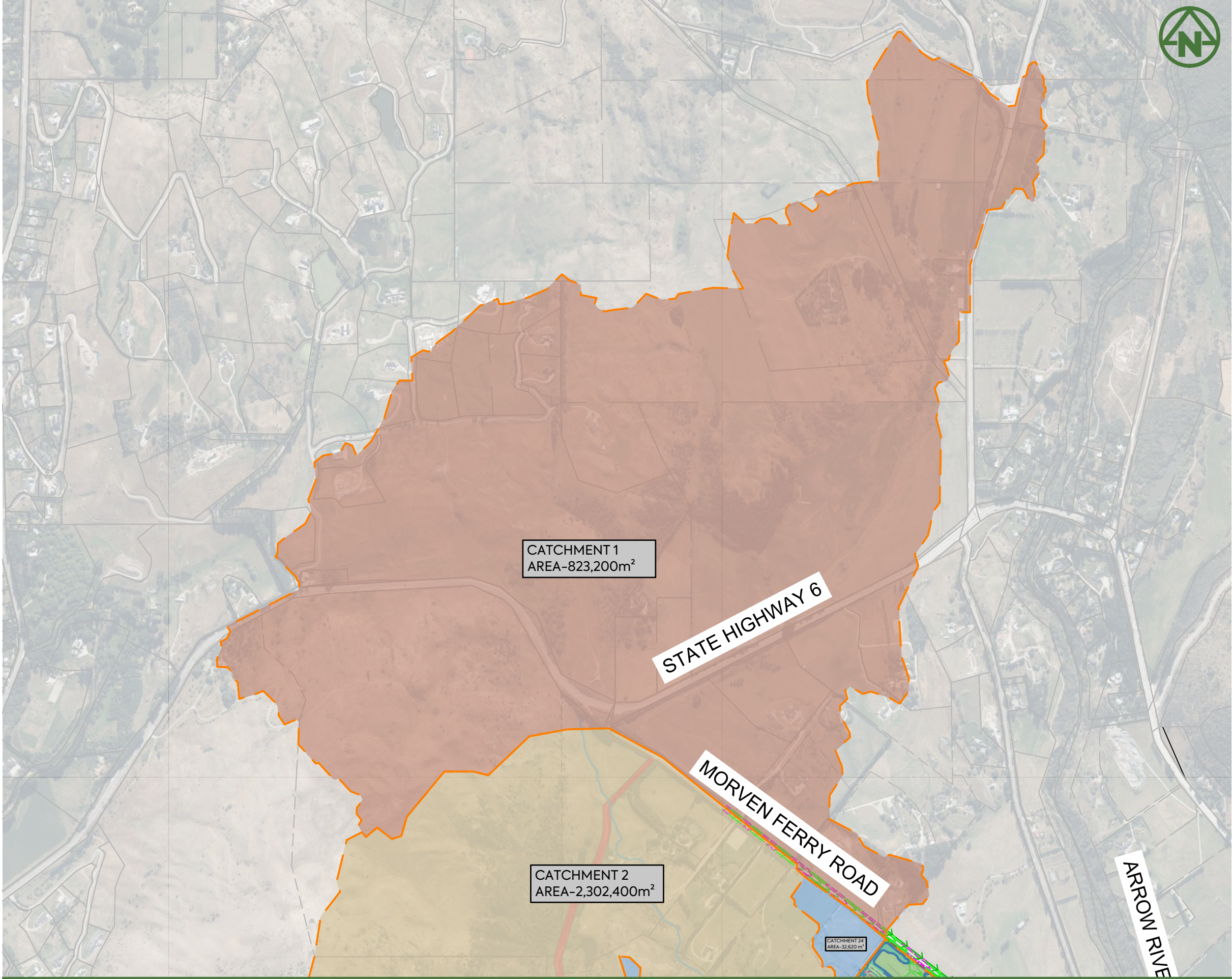


- NOTES:**
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
 - REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.

LEGEND:

SITE BOUNDARY	---
PROPOSED LOT BOUNDARIES	---
PROPOSED CATCHMENT BOUNDARY	---
EXISTING STORMWATER NETWORK	---
PROPOSED STORMWATER NETWORK	---
PROPOSED CARRIAGEWAY	---
OVERLAND FLOW PATH	→ → → → →
PROPOSED CONTOUR (1.0m) MAJOR	22.0
PROPOSED CONTOUR (0.1m) MINOR	22.1

CLIENT:				PROJECT:				TITLE:				PURPOSE OF ISSUE:			
RIDGEBURN LTD				RIDGEBURN 122 MORVEN FERRY ROAD ARROW JUNCTION QUEENSTOWN				STORMWATER 1% AEP POST DEVELOPMENT OVERLAND FLOW PATH CATCHMENT PLAN OVERALL				RESOURCE CONSENT			
E FIFTH ISSUE				D FOURTH ISSUE				C THIRD ISSUE				SCALE: 1:20000m @ A3 DO NOT SCALE			
B SECOND ISSUE				A FIRST ISSUE				DRAWING NO:				REV:			
REV DESCRIPTION				DRN BY CHK BY APP BY DATE				4048-0-4602				A			

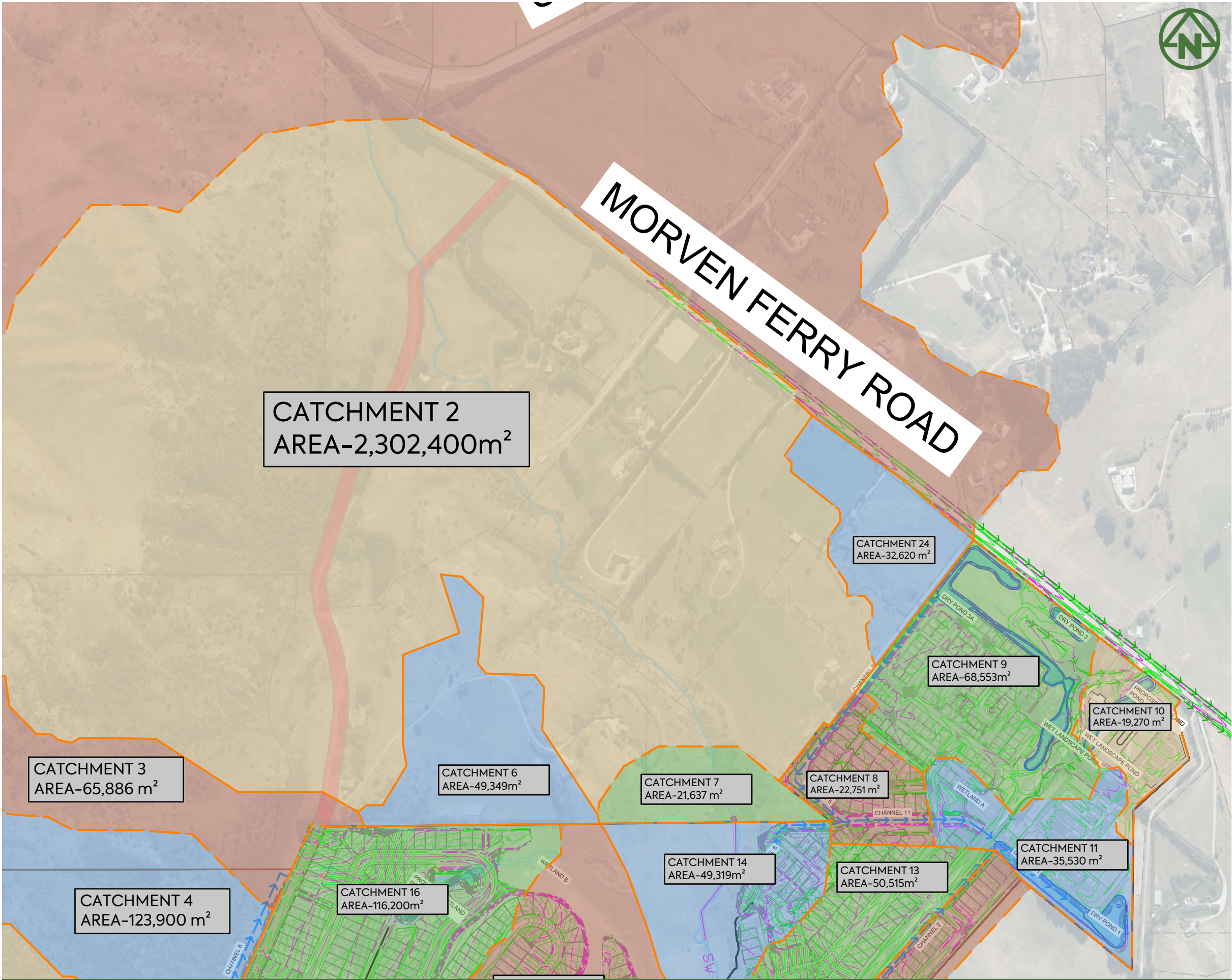


- NOTES:**
- 1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
 - 2. REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.

LEGEND:

SITE BOUNDARY	---
PROPOSED LOT BOUNDARIES	---
PROPOSED CATCHMENT BOUNDARY	- - -
EXISTING STORMWATER NETWORK	---○---
PROPOSED STORMWATER NETWORK	---○---
PROPOSED CARRIAGEWAY	---
OVERLAND FLOW PATH	→→→→→
PROPOSED CONTOUR (1.0m) MAJOR	22.0
PROPOSED CONTOUR (0.1m) MINOR	22.1

CLIENT:				PROJECT:				TITLE:				PURPOSE OF ISSUE:			
RIDGEBURN LTD				RIDGEBURN 122 MORVEN FERRY ROAD ARROW JUNCTION QUEENSTOWN				STORMWATER 1% AEP POST DEVELOPMENT OVERLAND FLOW PATH CATCHMENT PLAN SHEET 1				RESOURCE CONSENT			
								SCALE: 1:10000m @ A3 DO NOT SCALE							
DRAWING NO:								REV:							
4048-0-4603								A							



- NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
 - REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.

- LEGEND:
- SITE BOUNDARY
 - PROPOSED LOT BOUNDARIES
 - PROPOSED CATCHMENT BOUNDARY
 - EXISTING STORMWATER NETWORK
 - PROPOSED STORMWATER NETWORK
 - PROPOSED CARRIAGEWAY
 - OVERLAND FLOW PATH
 - PROPOSED CONTOUR (1.0m) MAJOR
 - PROPOSED CONTOUR (0.1m) MINOR

E	FIFTH ISSUE	TDW	TDW	JK	30/01/26
D	FOURTH ISSUE	TDW	TDW	JK	28/01/26
C	THIRD ISSUE	TDW	TDW	JK	23/01/26
B	SECOND ISSUE	TDW	TDW	JK	22/12/25
A	FIRST ISSUE	TDW	TDW	JK	16/10/25
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



CLIENT:
RIDGEBURN LTD

PROJECT:
RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

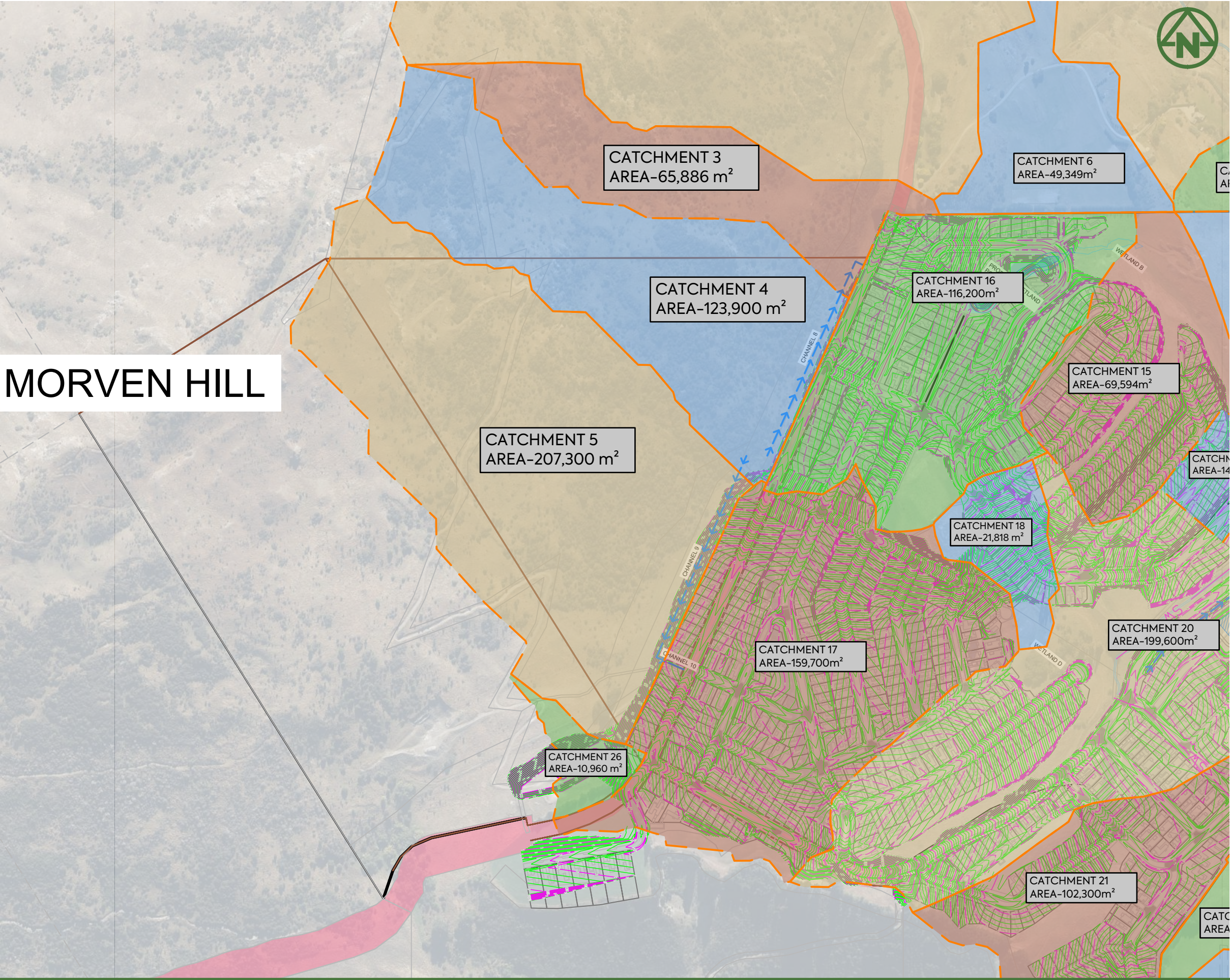
TITLE:
STORMWATER
1% AEP POST DEVELOPMENT
OVERLAND FLOW PATH
CATCHMENT PLAN SHEET 2

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:5000m @ A3
DO NOT SCALE

DRAWING NO:
4048-0-4604

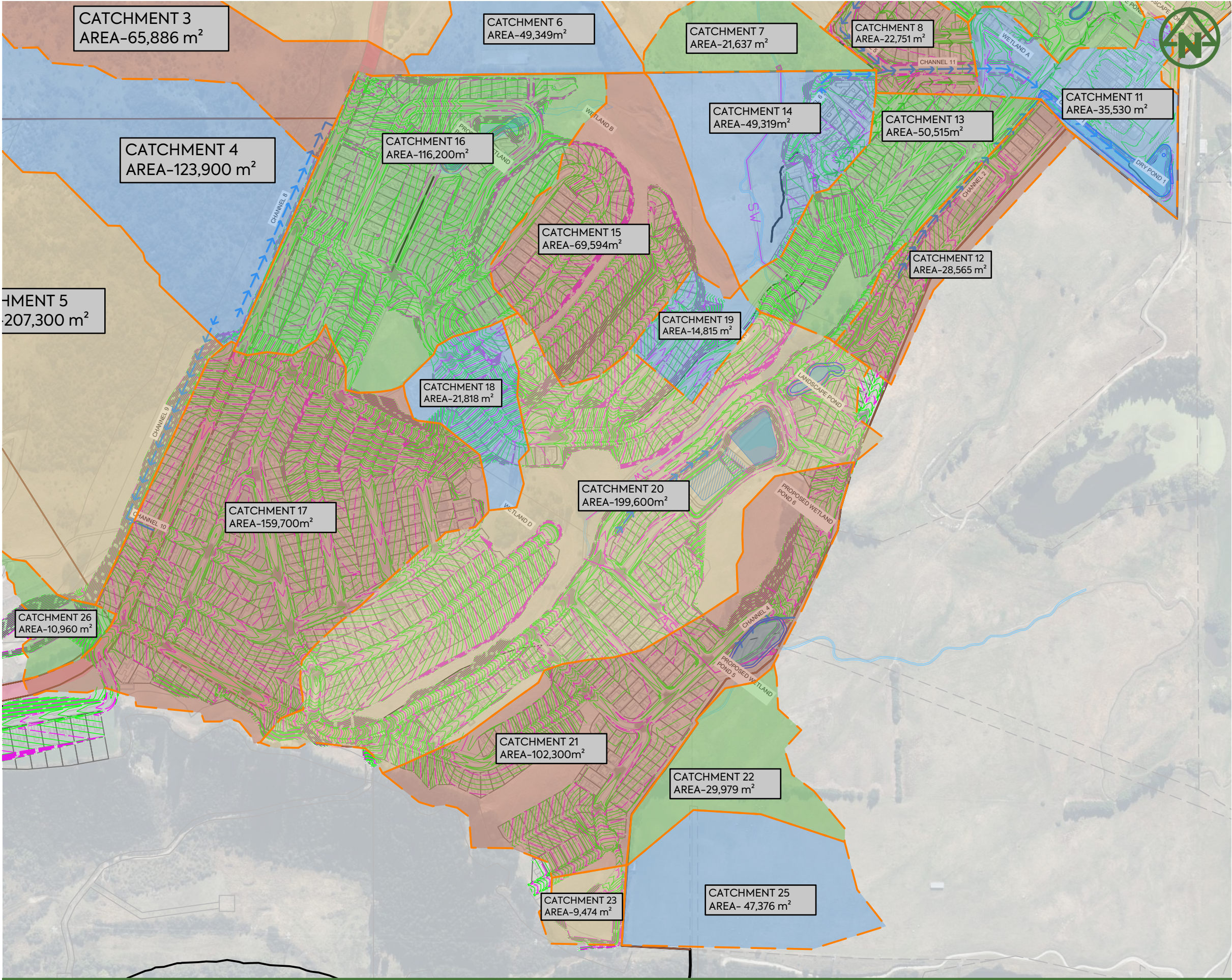
REV:
A



- NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
 - REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.

- LEGEND:
- SITE BOUNDARY
 - PROPOSED LOT BOUNDARIES
 - PROPOSED CATCHMENT BOUNDARY
 - EXISTING STORMWATER NETWORK
 - PROPOSED STORMWATER NETWORK
 - PROPOSED CARRIAGEWAY
 - OVERLAND FLOW PATH
 - PROPOSED CONTOUR (1.0m) MAJOR
 - PROPOSED CONTOUR (0.1m) MINOR

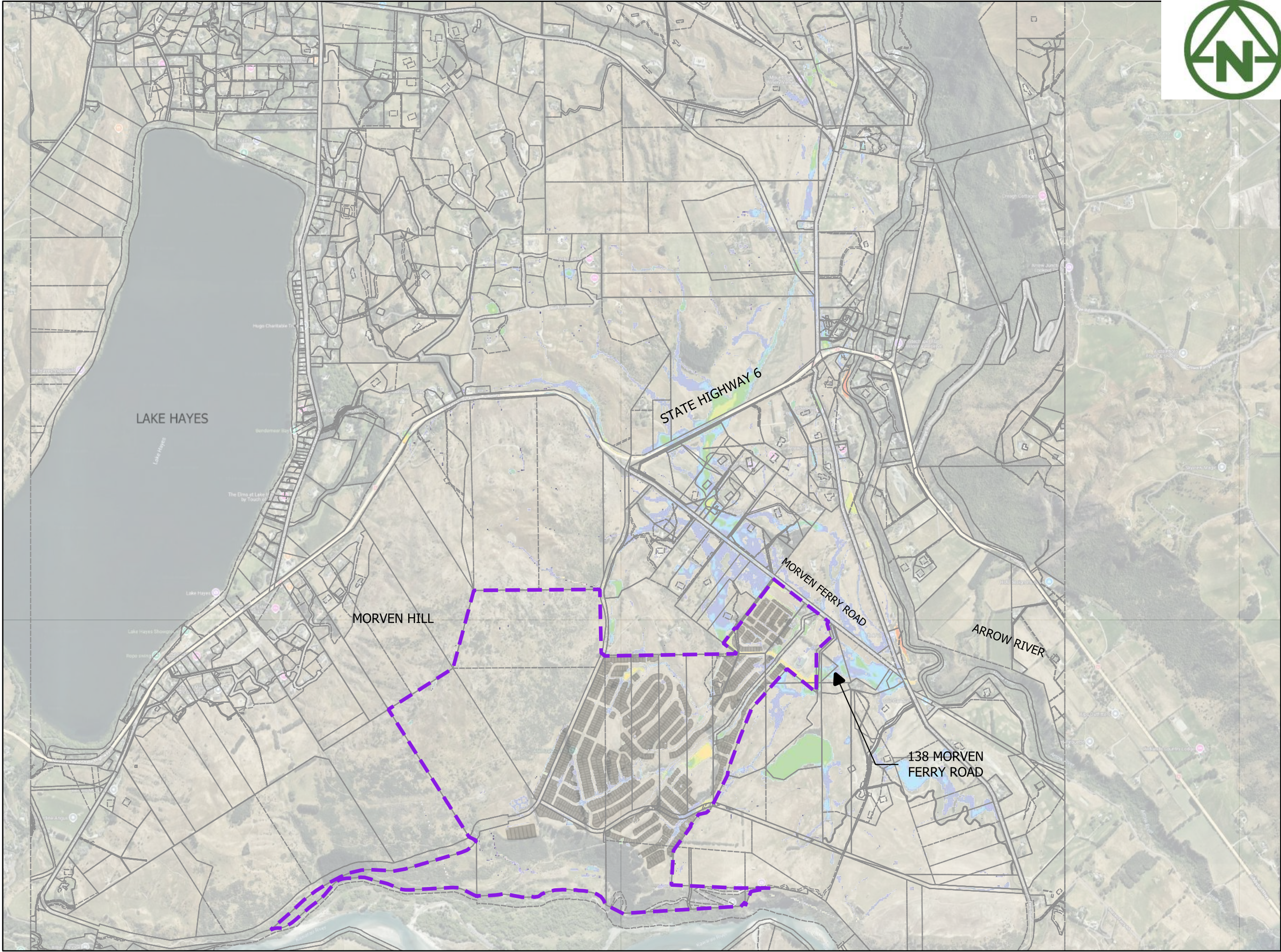
CLIENT:				PROJECT:				TITLE:				PURPOSE OF ISSUE:			
RIDGEBURN LTD				RIDGEBURN 122 MORVEN FERRY ROAD ARROW JUNCTION QUEENSTOWN				STORMWATER 1% AEP POST DEVELOPMENT OVERLAND FLOW PATH CATCHMENT PLAN SHEET 3				RESOURCE CONSENT			
												SCALE: 1:5000m @ A3 DO NOT SCALE			
												DRAWING NO:			
												REV:			
												4048-0-4605			
												A			



- NOTES:
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
 - REFER TO DRAWING 400 FOR STORMWATER RETICULATION NETWORK.

- LEGEND:
- SITE BOUNDARY
 - PROPOSED LOT BOUNDARIES
 - PROPOSED CATCHMENT BOUNDARY
 - EXISTING STORMWATER NETWORK
 - PROPOSED STORMWATER NETWORK
 - PROPOSED CARRIAGEWAY
 - OVERLAND FLOW PATH
 - PROPOSED CONTOUR (1.0m) MAJOR
 - PROPOSED CONTOUR (0.1m) MINOR

CLIENT: RIDGEBURN LTD				PROJECT: RIDGEBURN 122 MORVEN FERRY ROAD ARROW JUNCTION QUEENSTOWN				TITLE: STORMWATER 1% AEP POST DEVELOPMENT OVERLAND FLOW PATH CATCHMENT PLAN SHEET 4				PURPOSE OF ISSUE: RESOURCE CONSENT			
E FIFTH ISSUE				SCALE: 1:5000m @ A3				DO NOT SCALE				DRAWING NO: 4048-0-4606			
D FOURTH ISSUE				REV: A											
C THIRD ISSUE															
B SECOND ISSUE															
A FIRST ISSUE															
REV DESCRIPTION				DRN BY CHK BY APP BY DATE											
E FIFTH ISSUE				TDW TDW JK 30/01/26											
D FOURTH ISSUE				TDW TDW JK 28/01/26											
C THIRD ISSUE				TDW TDW JK 23/01/26											
B SECOND ISSUE				TDW TDW JK 22/12/25											
A FIRST ISSUE				TDW TDW JK 16/10/25											



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: 4048-0-4607 REV: A

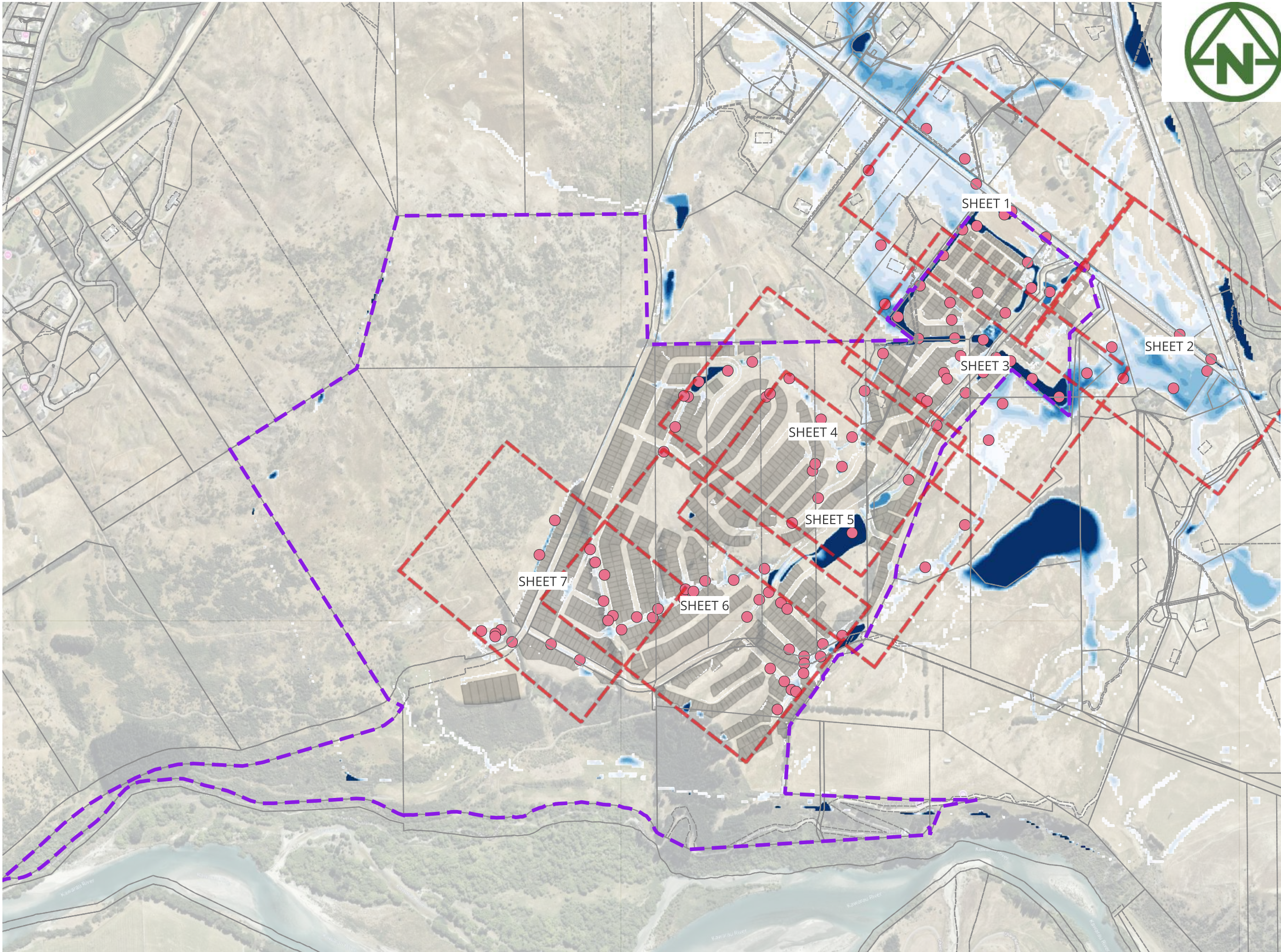
A	FIRST ISSUE	PK	SL	JK	11/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
POST-DEVELOPMENT
100 YEAR/ 1AEP
HAZARD PLAN



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:
4048-0-4610

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.		

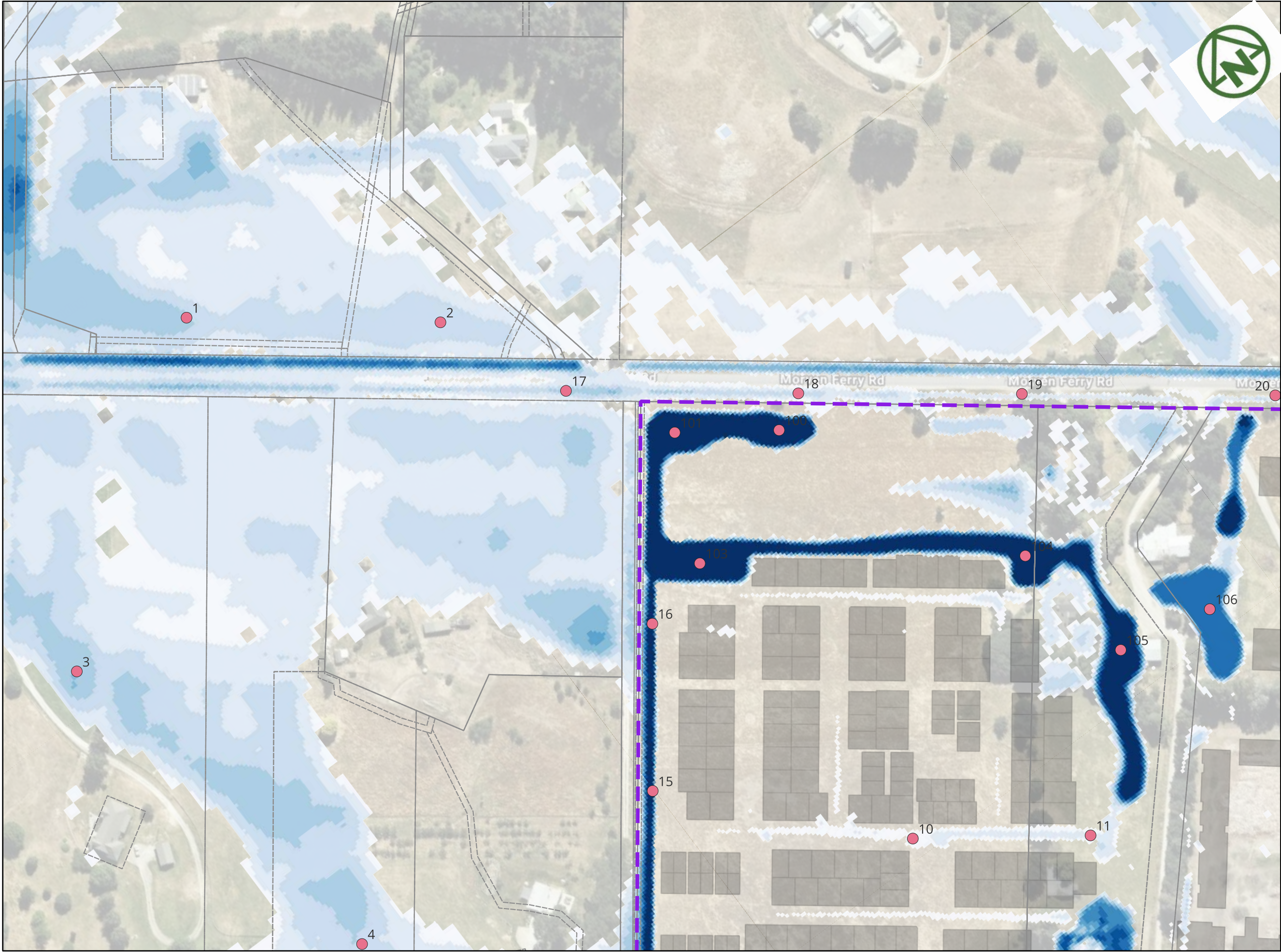


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RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.96	0.65	0.322	371.67	0.21
2	370.74	0.51	0.263	370.53	0.13
3	371.09	0.55	0.405	370.74	0.22
4	369.32	0.64	0.287	369.06	0.18
10	369.3	0.27	0.135	369.15	0.04
11	368.93	0.62	0.121	368.79	0.08
15	368.51	0.58	0.805	367.73	0.47
16	368.72	0.41	1.182	367.98	0.48
17	370.09	0.75	0.352	369.59	0.26
18	369.27	1.01	0.278	368.84	0.28
19	368.51	0.8	0.156	368.38	0.12
20	367.38	0.62	0.094	367.38	0.06
100	368.55	0.02	1.509	367.66	0.04
101	368.55	0.06	1.509	367.66	0.09
103	368.54	0.15	1.493	367.66	0.22
104	368.32	0.2	1.15	367.66	0.24
105	368.14	0.1	0.963	367.66	0.09
106	368.09	0.09	0.789	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

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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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

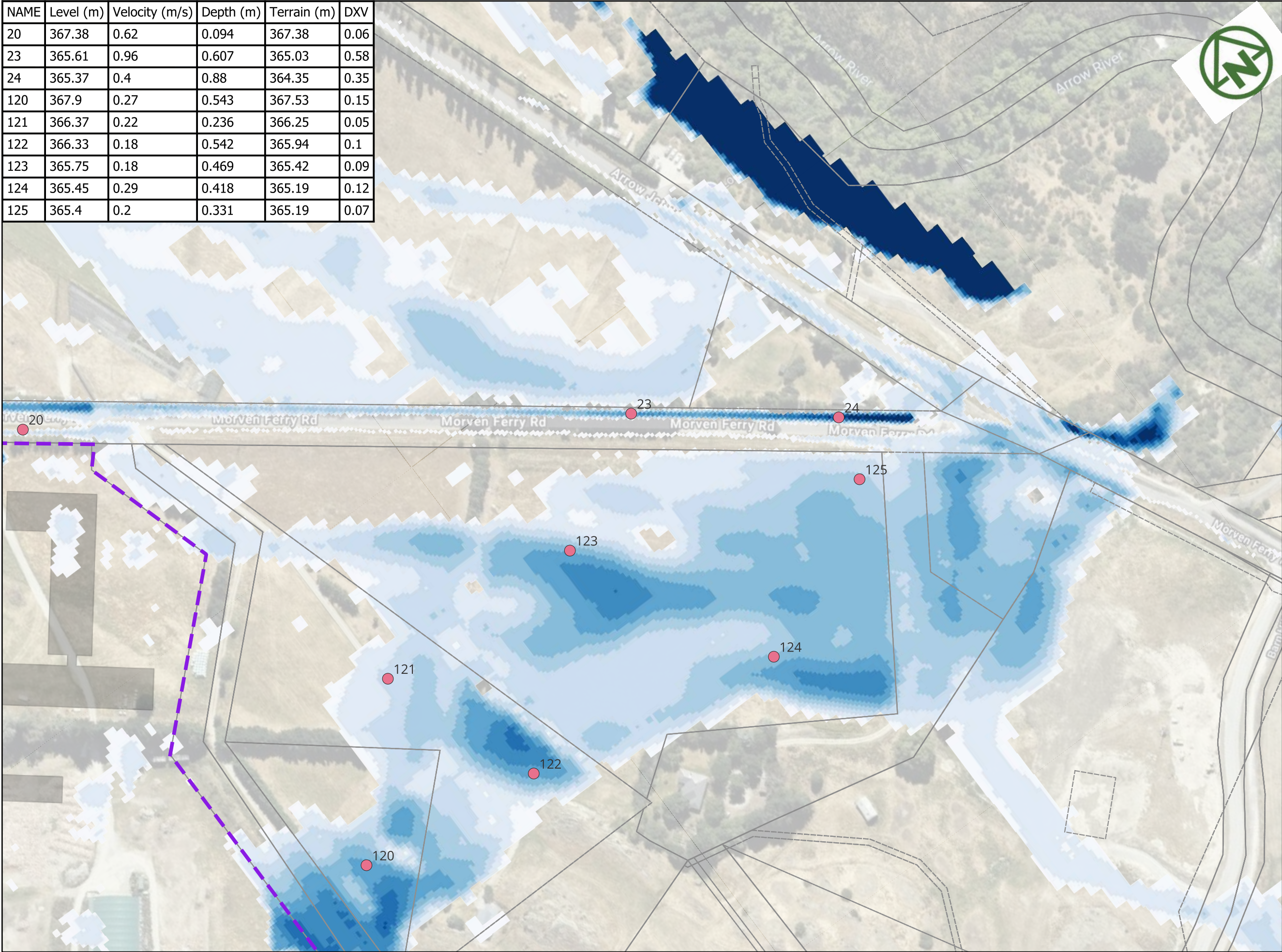
PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4611

REV:
A

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
20	367.38	0.62	0.094	367.38	0.06
23	365.61	0.96	0.607	365.03	0.58
24	365.37	0.4	0.88	364.35	0.35
120	367.9	0.27	0.543	367.53	0.15
121	366.37	0.22	0.236	366.25	0.05
122	366.33	0.18	0.542	365.94	0.1
123	365.75	0.18	0.469	365.42	0.09
124	365.45	0.29	0.418	365.19	0.12
125	365.4	0.2	0.331	365.19	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: 4048-0-4612 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.		

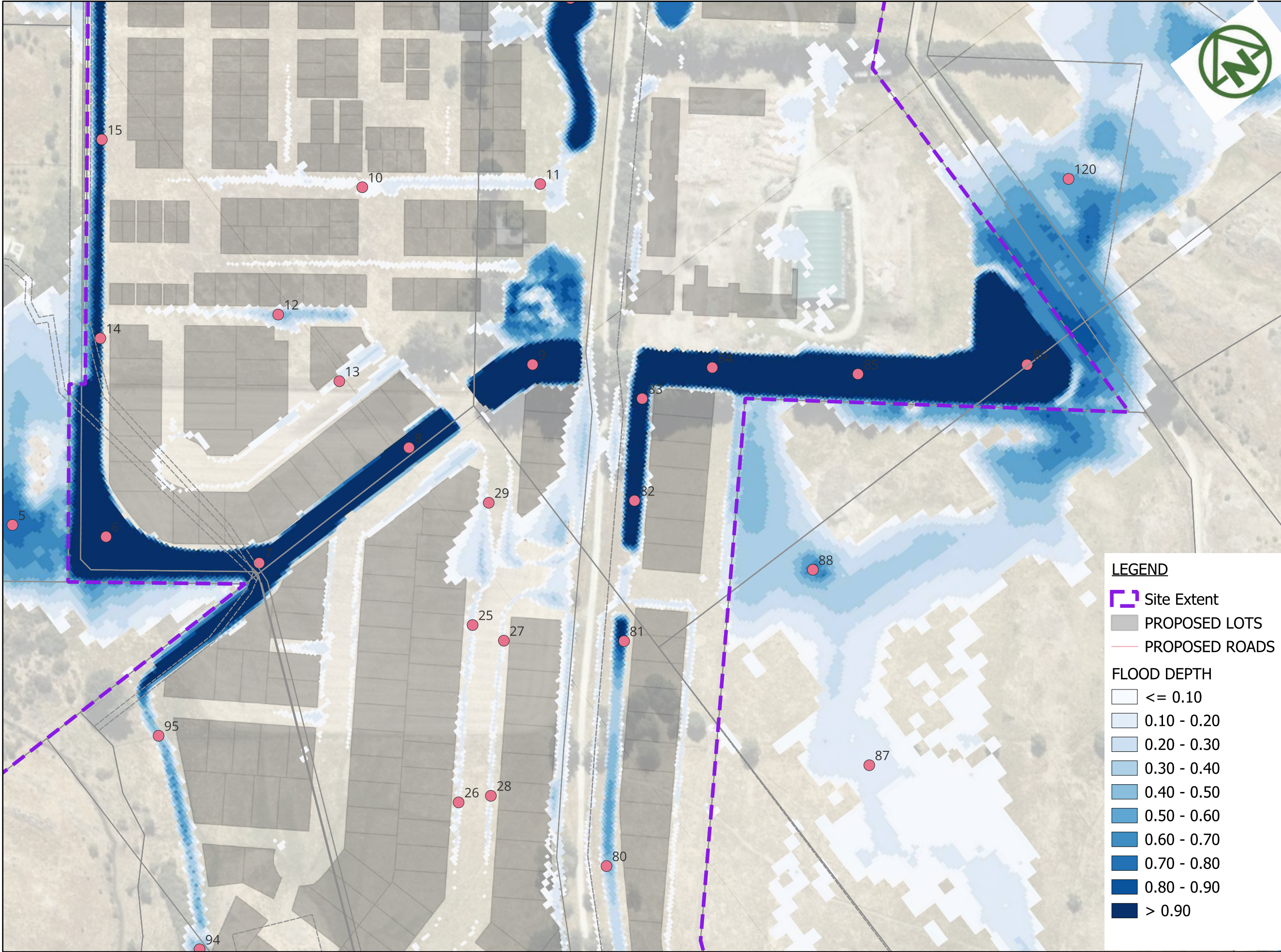


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QUEENSTOWN

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



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
5	368.34	0.33	0.753	367.86	0.25
6	368.15	0.23	1.453	367.14	0.33
7	368.11	0.52	1.603	366.92	0.84
8	368.08	0.75	2.617	365.85	1.96
9	368.05	0.41	3.264	365.08	1.35
10	369.3	0.27	0.135	369.15	0.04
11	368.93	0.62	0.121	368.79	0.08
12	369.43	0.03	0.388	368.96	0.01
13	369.4	0.17	0.089	369.27	0.02
14	368.21	0.55	1.127	367.43	0.62
15	368.51	0.58	0.805	367.73	0.47
25	369.58	0.61	0.118	369.43	0.07
26	370.44	0.51	0.117	370.27	0.06
27	369.62	0.59	0.076	369.58	0.05
28	370.37	0.72	0.123	370.16	0.09
29	369.2	0.05	0.079	369.12	0
80	369.4	0.8	0.372	369	0.3
81	368.15	0.73	0.92	367.5	0.68
82	368.04	0.52	1.455	366.81	0.76
83	368.03	0.83	1.55	366.71	1.29
84	368.03	0.25	3.75	364.5	0.95
85	368.03	0.25	3.742	364.5	0.92
86	368.02	0.08	3.739	364.5	0.29
87	368.91	0.41	0.144	368.79	0.06
88	368.17	0.12	0.638	367.42	0.08
94	375.48	1.18	0.483	375.02	0.57
95	369.29	2.01	0.448	368.75	0.9
120	367.9	0.27	0.543	367.53	0.15
122	366.33	0.18	0.542	365.94	0.1

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: 4048-0-4613
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 100 YEAR/1 AEP
PRE-DEVELOPMENT EXTENT
SHEET 3



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
26	370.44	0.51	0.117	370.27	0.06
28	370.37	0.72	0.123	370.16	0.09
31	394.09	0.66	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	1.03	0.133	399.4	0.14
35	418.33	0.15	0.31	417.95	0.05
36	418.32	0.08	0.224	418.1	0.02
37	414.18	0.45	0.22	413.94	0.1
39	414.53	0.7	0.185	414.23	0.13
79	375.02	1.13	0.275	374.78	0.31
80	369.4	0.8	0.372	369	0.3
89	411.73	0.26	2.805	409.2	0.73
90	411.73	0.22	2.803	409.2	0.62
91	409.84	1.1	0.36	409.45	0.4
92	404.09	1.69	0.161	403.82	0.27
92	396.34	1.9	0.147	396.4	0.28
93	385.3	1.26	0.19	385.66	0.24
94	375.48	1.18	0.483	375.02	0.57
108	381.92	0.12	3.944	378	0.49
30	391.67	0.03	0.822	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: 4048-0-4614
REV: A

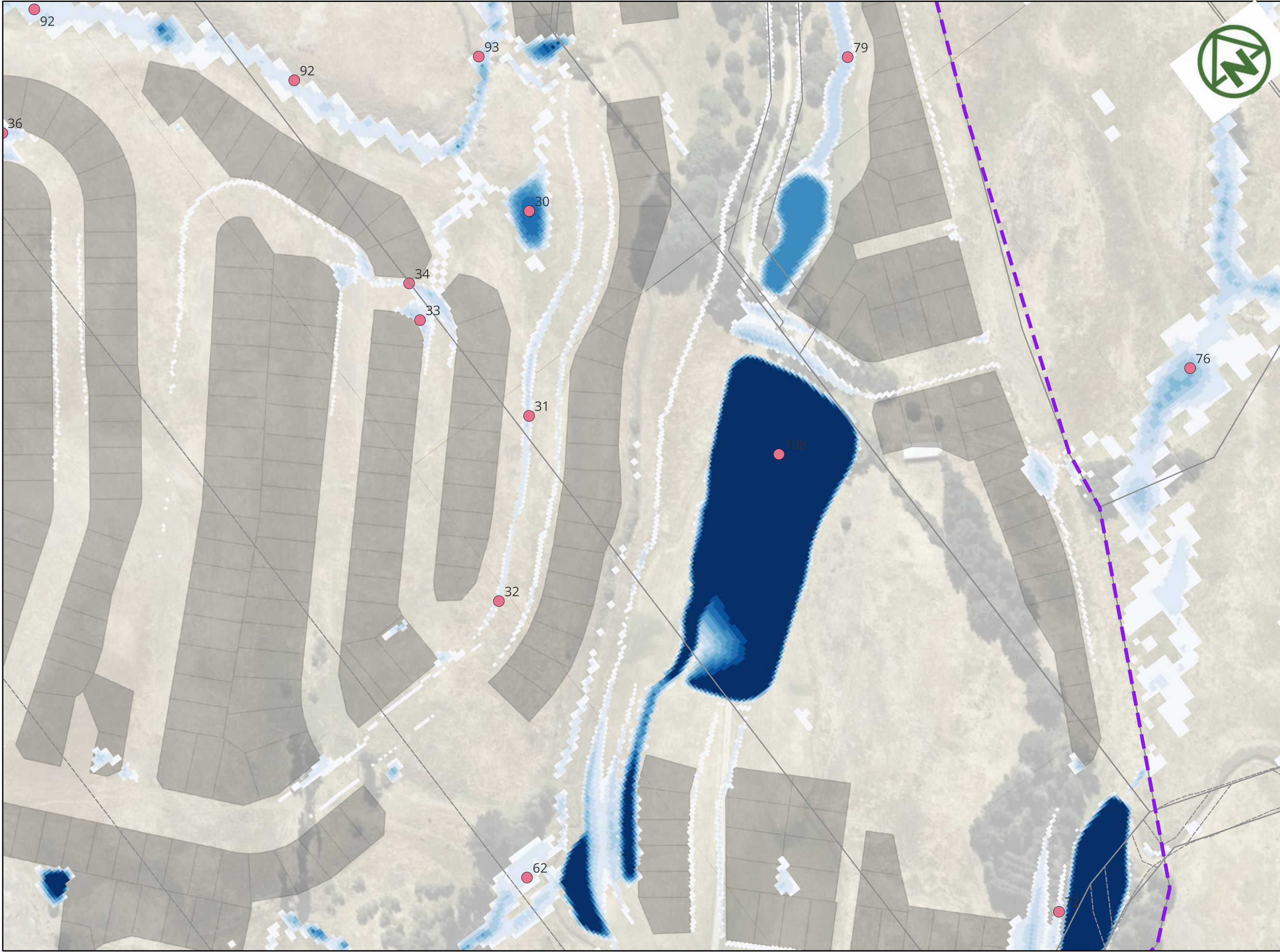
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP
POST-DEVELOPMENT EXTENT
SHEET 4



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
31	394.09	0.66	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	1.03	0.133	399.4	0.14
62	388.2	1.47	0.139	388.03	0.2
72	383.38	0.23	0.134	383.24	0.03
76	375.66	0.18	0.456	375.06	0.08
78	373.57	0.55	0.257	373.22	0.14
79	375.02	1.13	0.275	374.78	0.31
92	404.09	1.69	0.161	403.82	0.27
92	396.34	1.9	0.147	396.4	0.28
93	385.3	1.26	0.19	385.66	0.24
108	381.92	0.12	3.944	378	0.49
30	391.67	0.03	0.822	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: 4048-0-4615
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 100 YEAR/1 AEP
POST-DEVELOPMENT EXTENT
SHEET 5

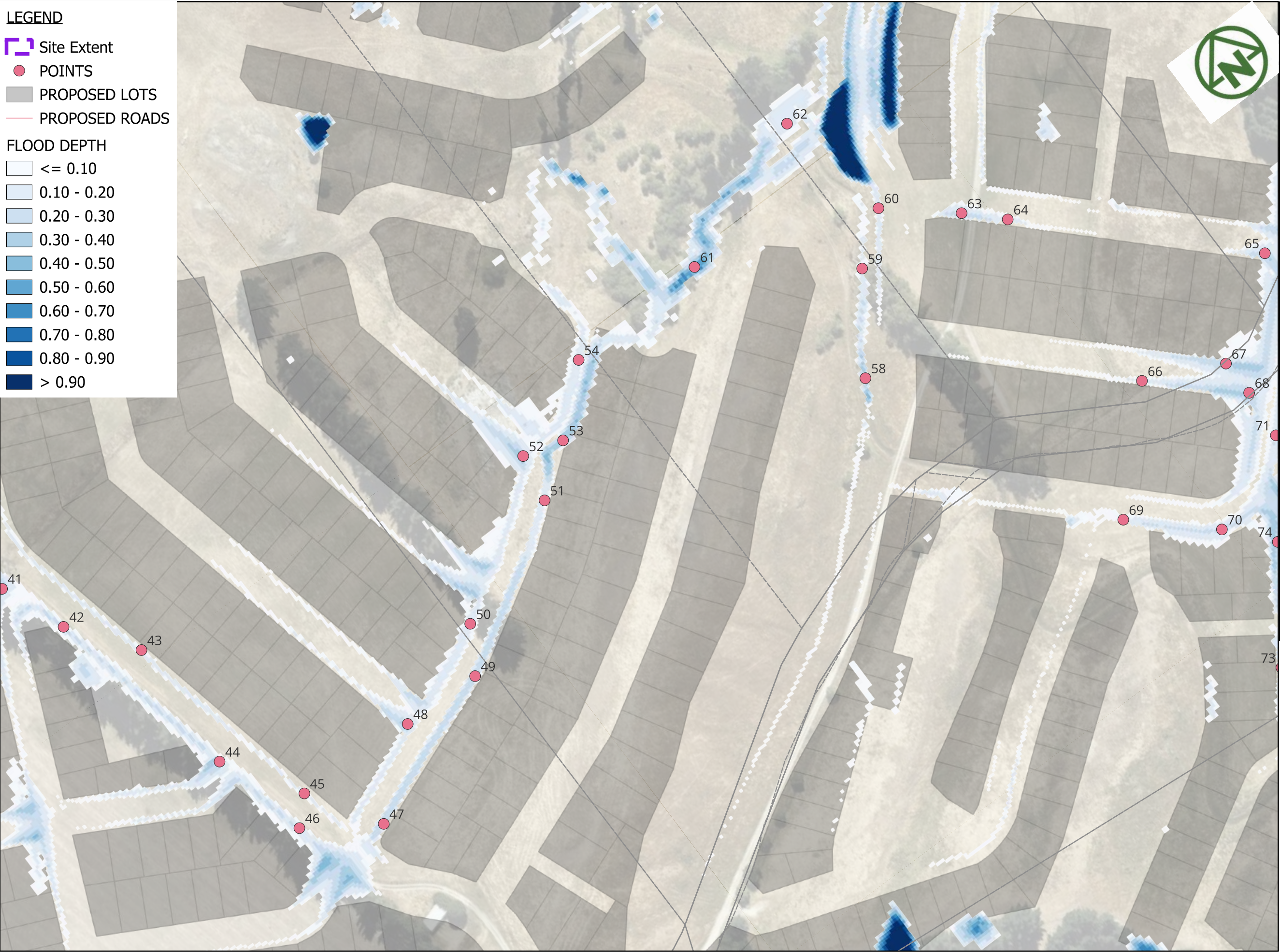
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LEGEND

- 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	412.12	0.08	0.281	411.75	0.02
42	411.94	0.68	0.147	411.67	0.1
43	411.7	0.5	0.126	411.64	0.06
44	411.43	0.73	0.213	411.23	0.16
45	410.71	0.93	0.112	410.51	0.1
46	410.67	1.23	0.182	410.32	0.22
47	409.79	1.18	0.273	409.53	0.32
48	409.51	0.38	0.282	409.24	0.11
49	408.95	1.17	0.272	408.69	0.32
50	408.96	1.01	0.175	408.68	0.18
51	406.85	1.96	0.173	406.67	0.34
52	406.75	0.5	0.299	406.5	0.15
53	406.48	0.94	0.43	406.05	0.4
54	405.8	1.22	0.143	405.6	0.17
58	385.98	0.5	0.31	385.33	0.16
59	385.84	0.32	0.136	385.44	0.04
60	384.33	0.79	0.135	384.09	0.11
61	394.36	1.76	0.363	393.65	0.64
62	388.2	1.47	0.139	388.03	0.2
63	383.72	0.03	0.288	383.42	0.01
66	383.88	0.36	0.133	383.67	0.05
65	383.58	0.25	0.209	383.37	0.05
67	383.88	0.1	0.315	383.48	0.03
68	383.88	0.37	0.278	383.63	0.1
69	384.44	1.12	0.143	384.18	0.16
70	384.22	0.53	0.198	383.95	0.1
71	383.98	0.75	0.195	383.77	0.15
74	384.16	0.15	0.292	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:
4048-0-4616

REV:
A

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



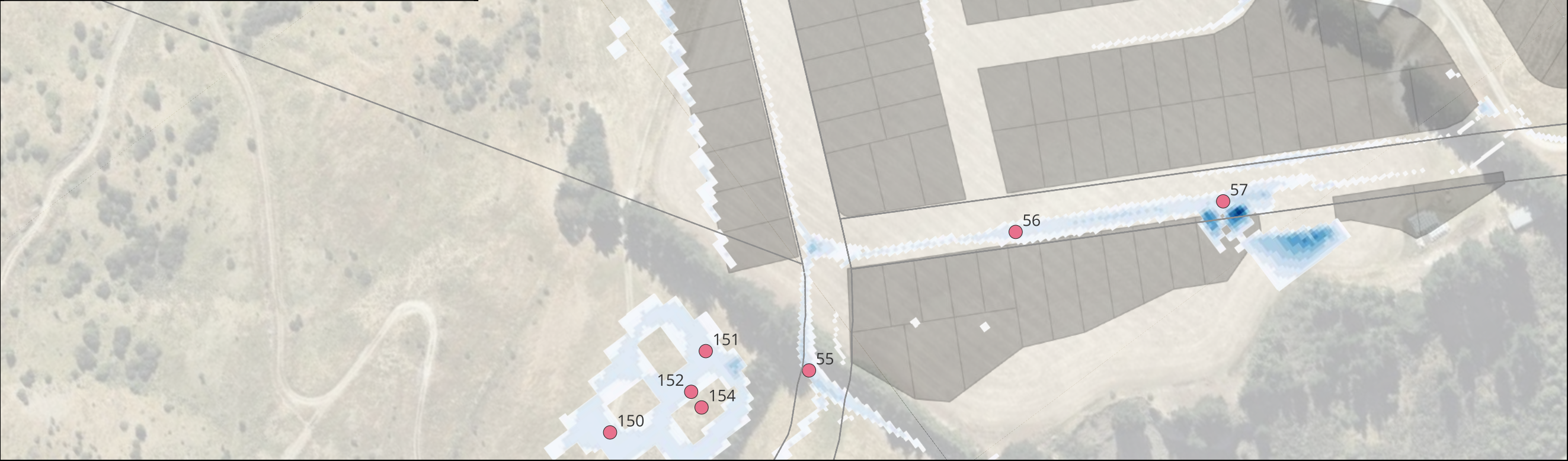
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP
POST-DEVELOPMENT EXTENT
SHEET 6

NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
41	412.12	0.08	0.281	411.75	0.02
42	411.94	0.68	0.147	411.67	0.1
43	411.7	0.5	0.126	411.64	0.06
44	411.43	0.73	0.213	411.23	0.16
45	410.71	0.93	0.112	410.51	0.1
46	410.67	1.23	0.182	410.32	0.22
47	409.79	1.18	0.273	409.53	0.32
48	409.51	0.38	0.282	409.24	0.11
49	408.95	1.17	0.272	408.69	0.32
50	408.96	1.01	0.175	408.68	0.18
51	406.85	1.96	0.173	406.67	0.34
52	406.75	0.5	0.299	406.5	0.15
53	406.48	0.94	0.43	406.05	0.4
54	405.8	1.22	0.143	405.6	0.17
55	421.02	0.63	0.238	420.74	0.15
56	417.02	0.75	0.184	416.79	0.14
57	416.62	0.63	0.208	416.31	0.13
96	416.34	0.85	0.299	416.66	0.26
97	416.69	0.71	0.229	416.73	0.16
150	425.15	0.15	0.13	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: 4048-0-4617
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.		

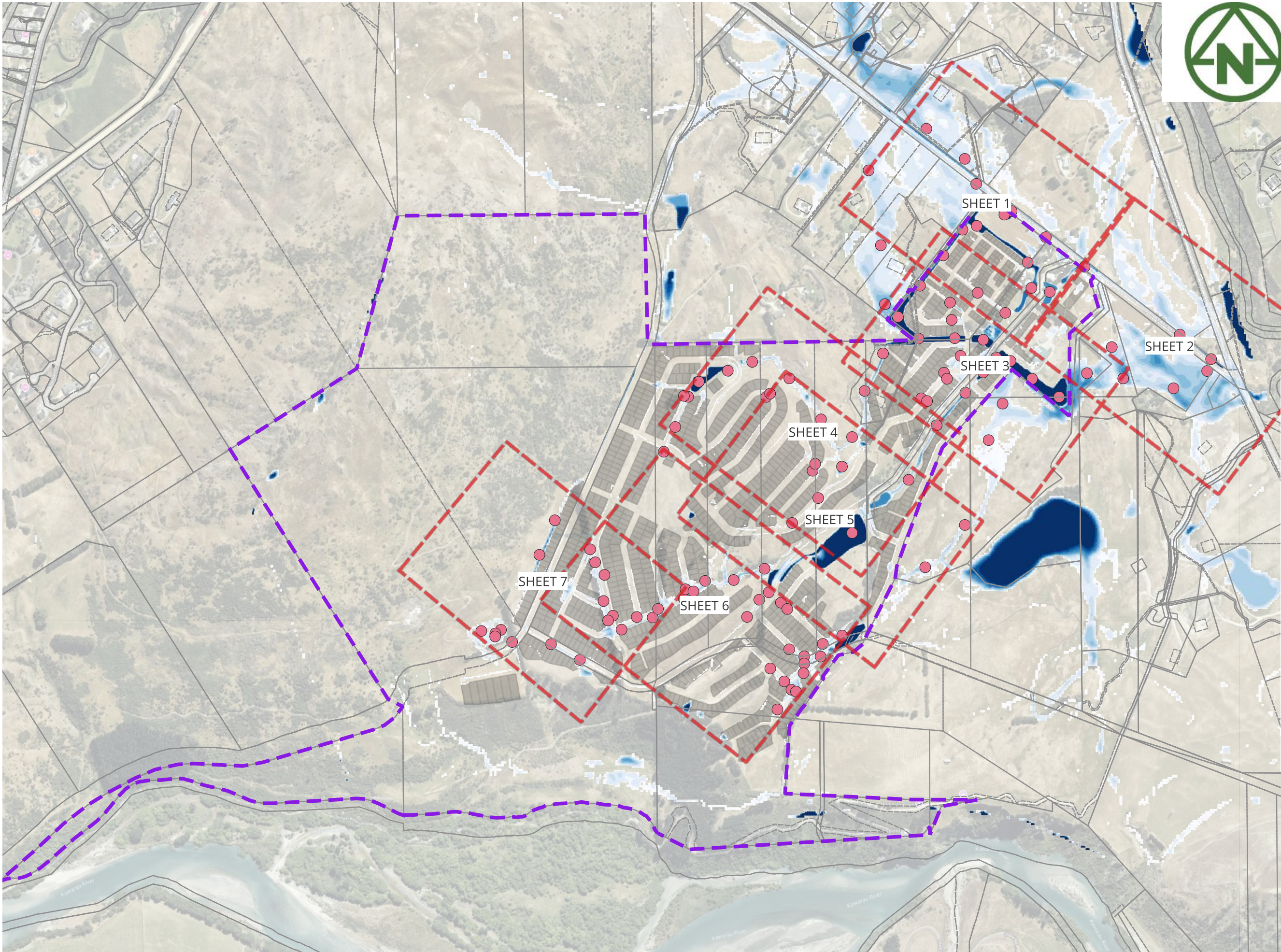


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STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP
POST-DEVELOPMENT EXTENT
SHEET 7



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:
4048-0-4620

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.		

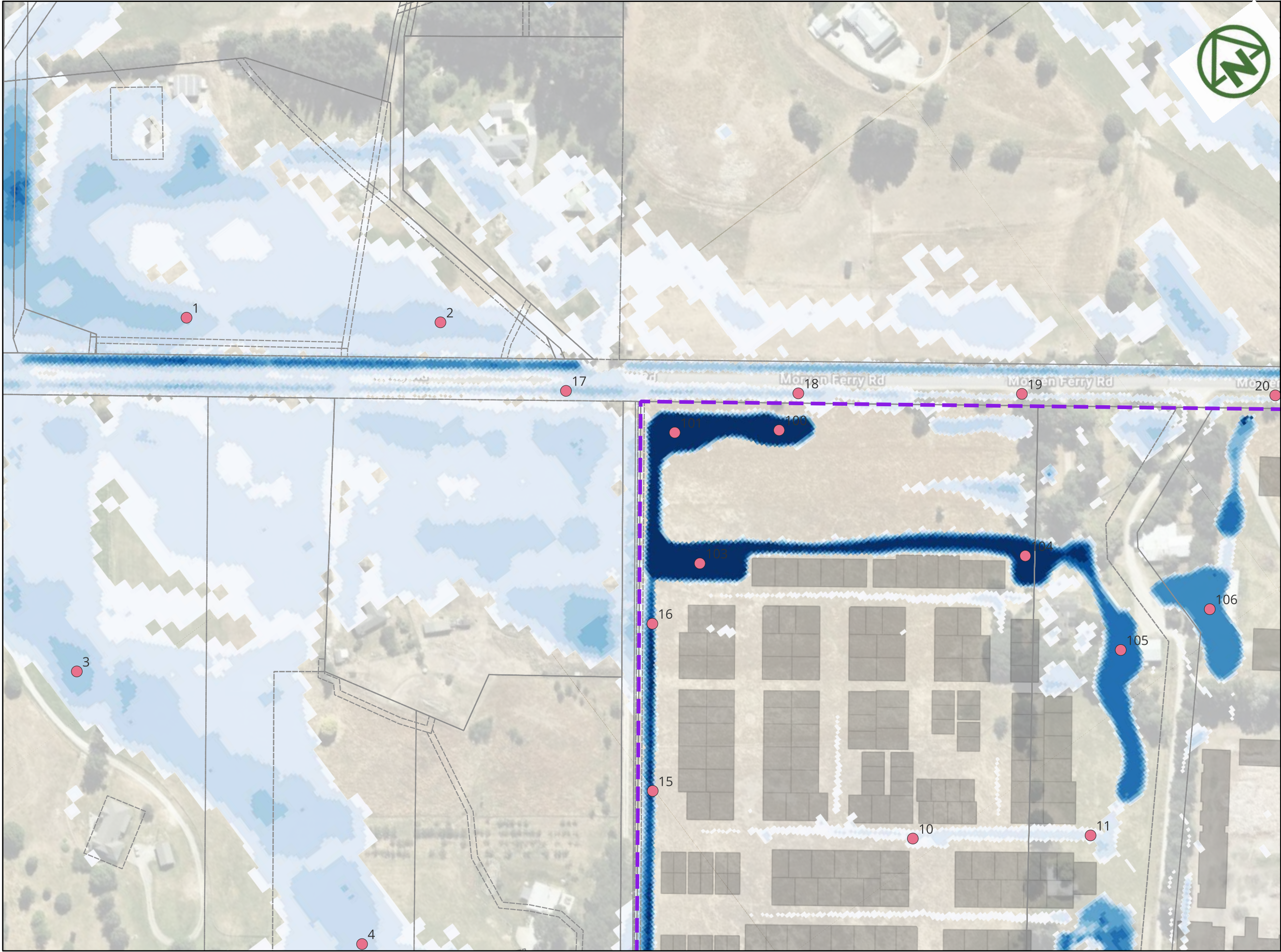


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.99	0.7	0.301	371.67	0.21
2	370.77	0.56	0.239	370.53	0.13
3	371.12	0.6	0.371	370.74	0.22
4	369.35	0.7	0.242	369.06	0.17
10	369.3	0.29	0.142	369.15	0.04
11	368.94	0.65	0.13	368.79	0.08
15	368.72	0.67	0.635	367.73	0.43
16	368.96	0.43	0.927	367.98	0.4
17	370.12	0.76	0.324	369.59	0.25
18	369.28	1.04	0.275	368.84	0.28
19	368.51	0.81	0.155	368.38	0.13
20	367.38	0.63	0.082	367.38	0.05
100	368.89	0.03	1.225	367.66	0.04
101	368.89	0.09	1.225	367.66	0.11
103	368.88	0.21	1.212	367.66	0.26
104	368.6	0.3	0.938	367.66	0.28
105	368.41	0.17	0.746	367.66	0.13
106	368.33	0.14	0.663	367.66	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: 4048-0-4621 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 200 YEAR/0.5 AEP
POST-DEVELOPMENT EXTENT
SHEET 1