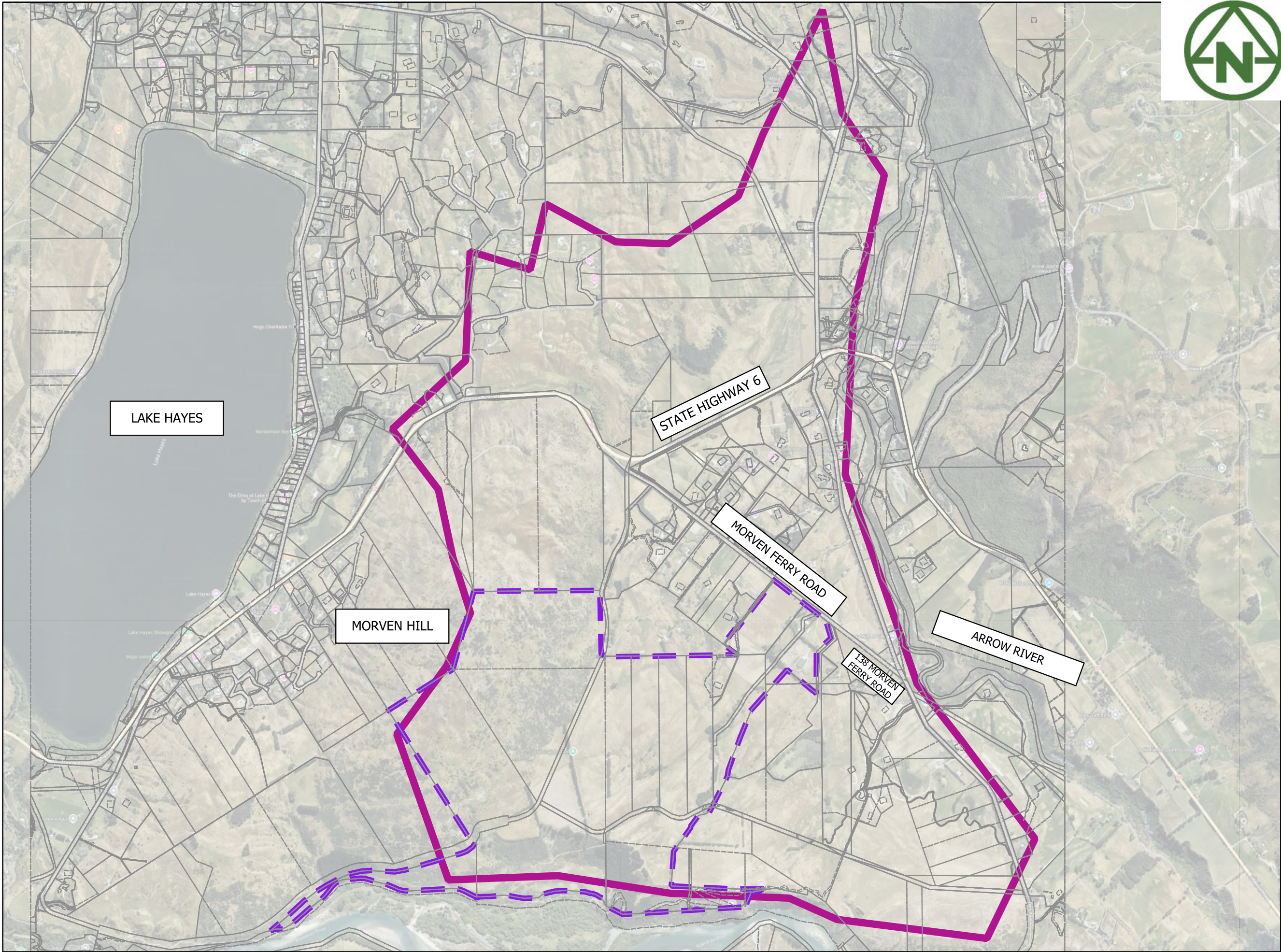




LEGEND

- 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

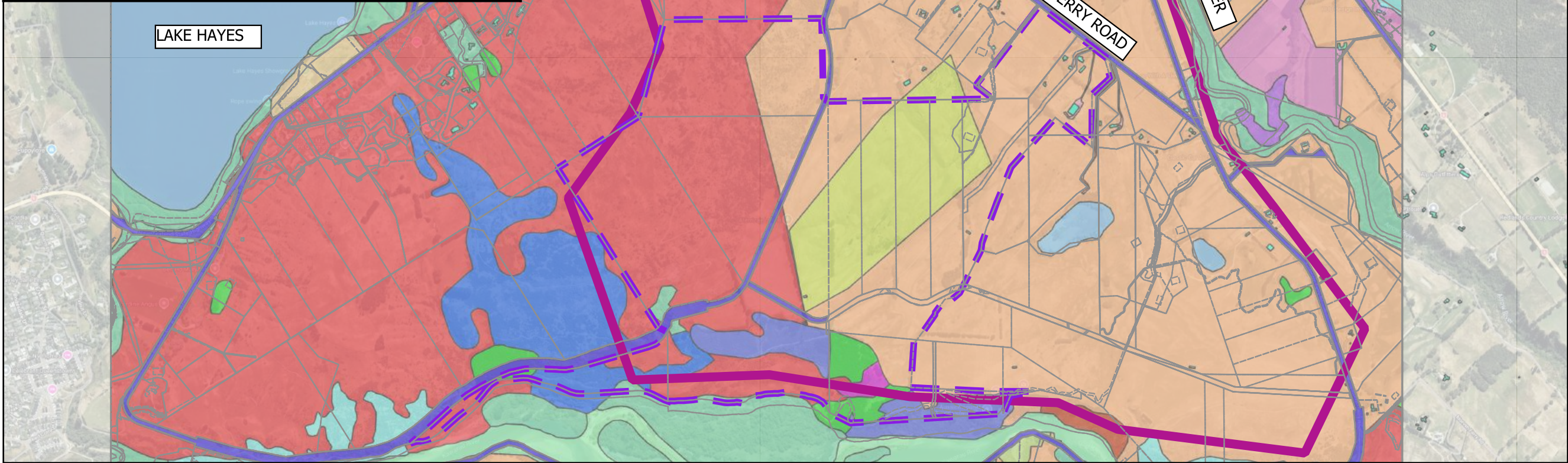


RIDGEBURN LTD

RIDGEBURN
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

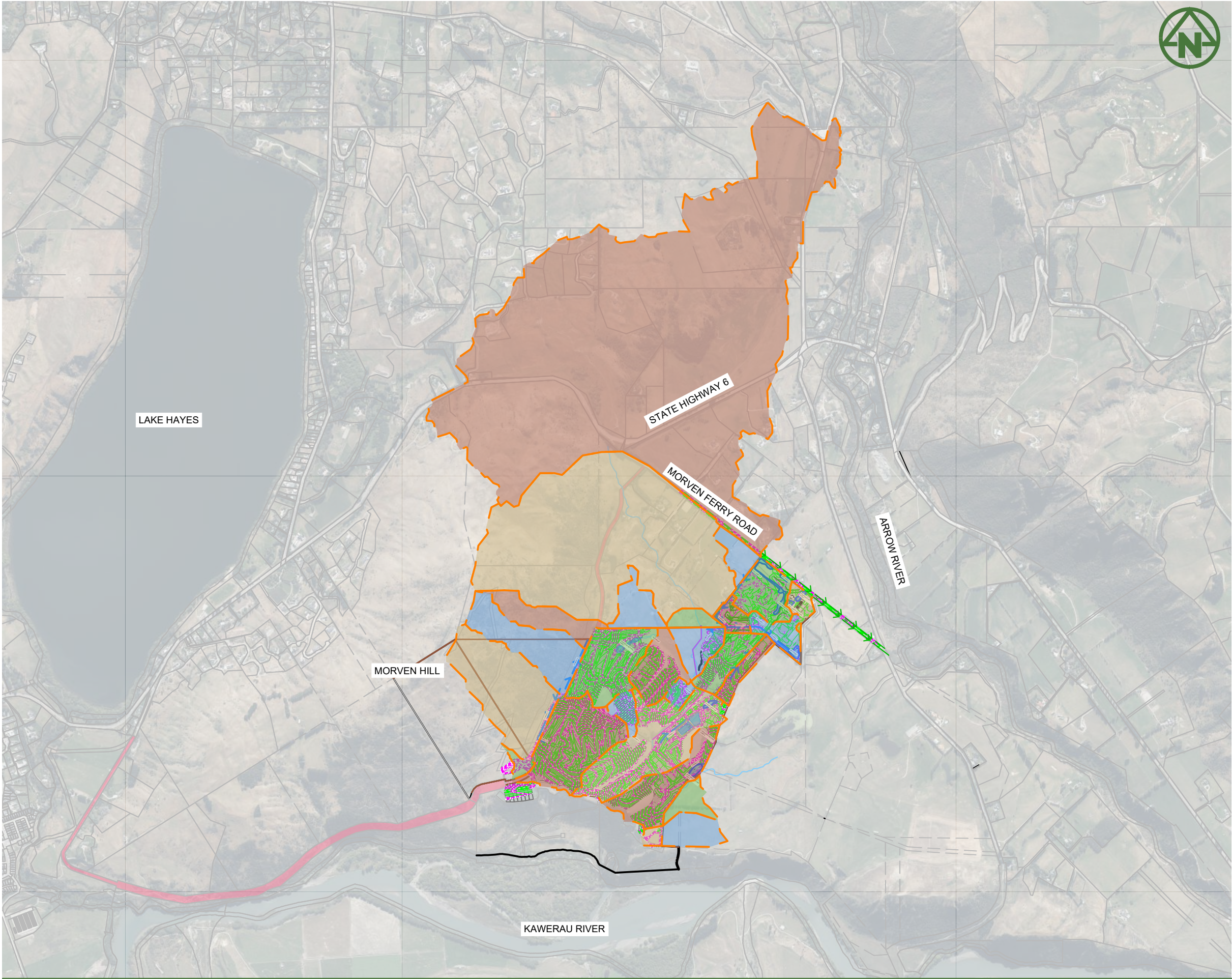


MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
LAND COVER PLAN



- NOTES:**
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

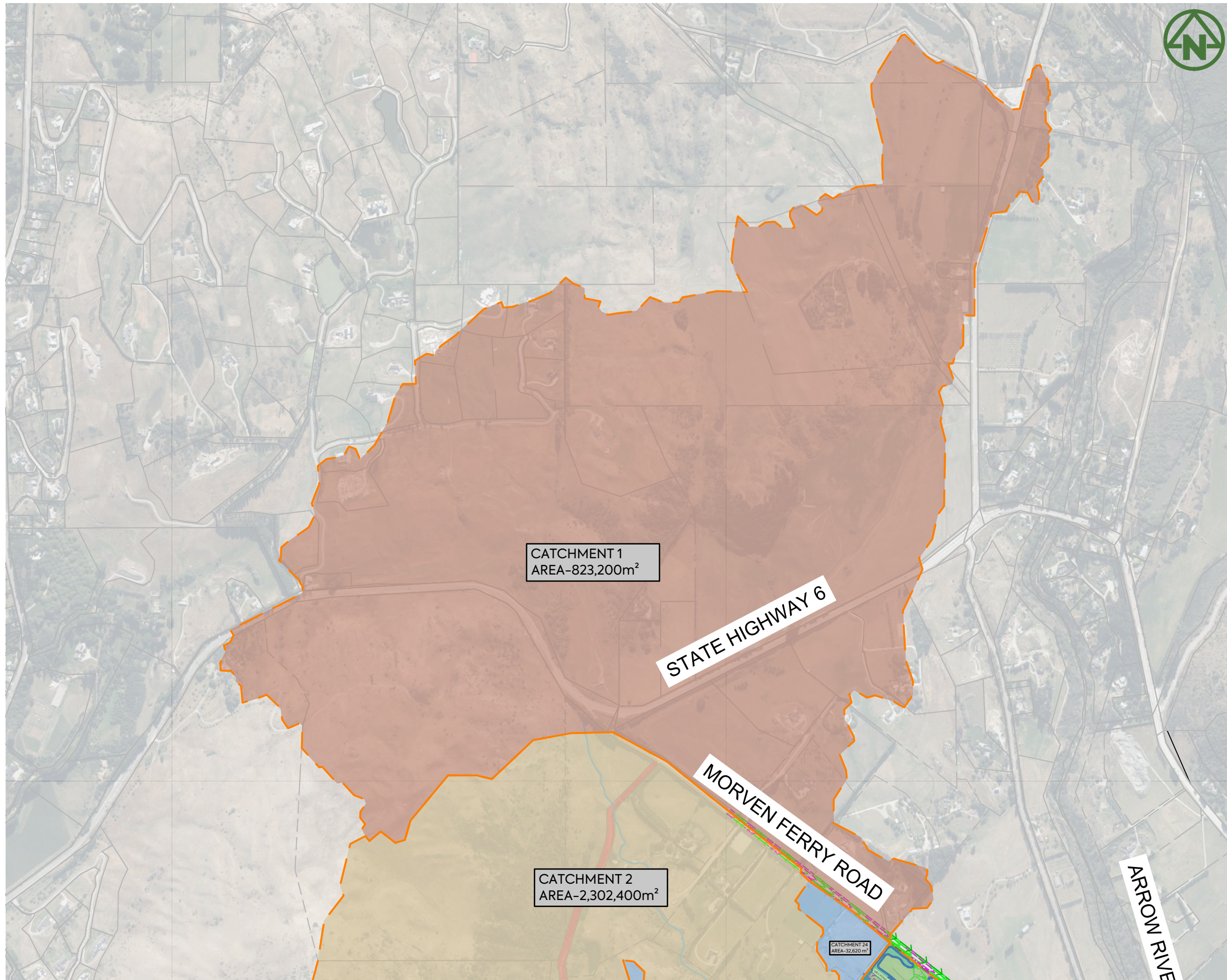
E FIFTH ISSUE TDW TDW JK 30/01/26 D FOURTH ISSUE TDW TDW JK 28/01/26 C THIRD ISSUE TDW TDW JK 23/01/26 B SECOND ISSUE TDW TDW JK 22/12/25 A FIRST ISSUE TDW TDW JK 16/10/25						</
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1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE 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	
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



CLIENT:

RIDGEBURN LTD

PROJECT:

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

TITLE:

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

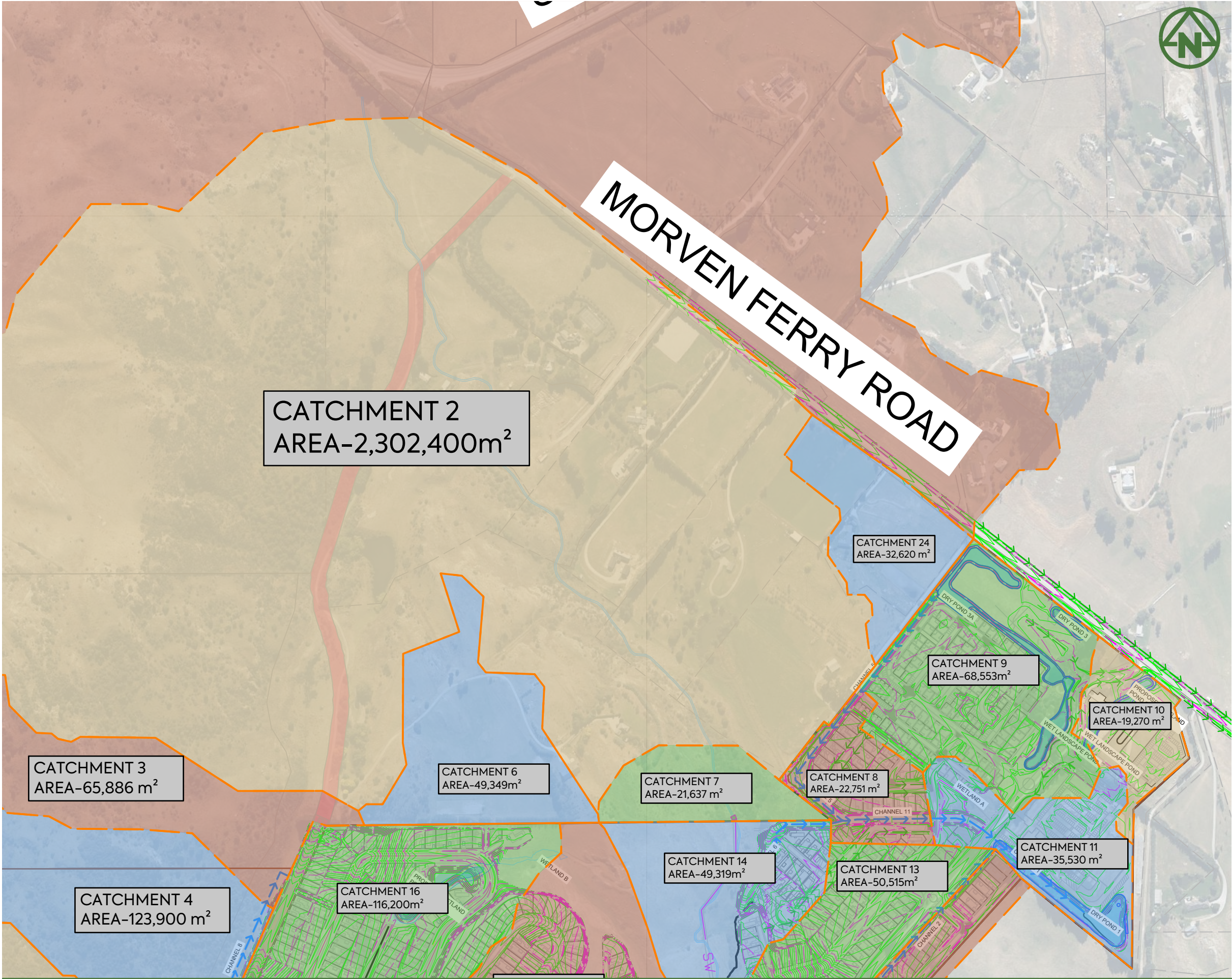
PURPOSE OF ISSUE:

RESOURCE CONSENT

SCALE:
1:10000m @ A3
DO NOT SCALE

DRAWING NO: 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

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

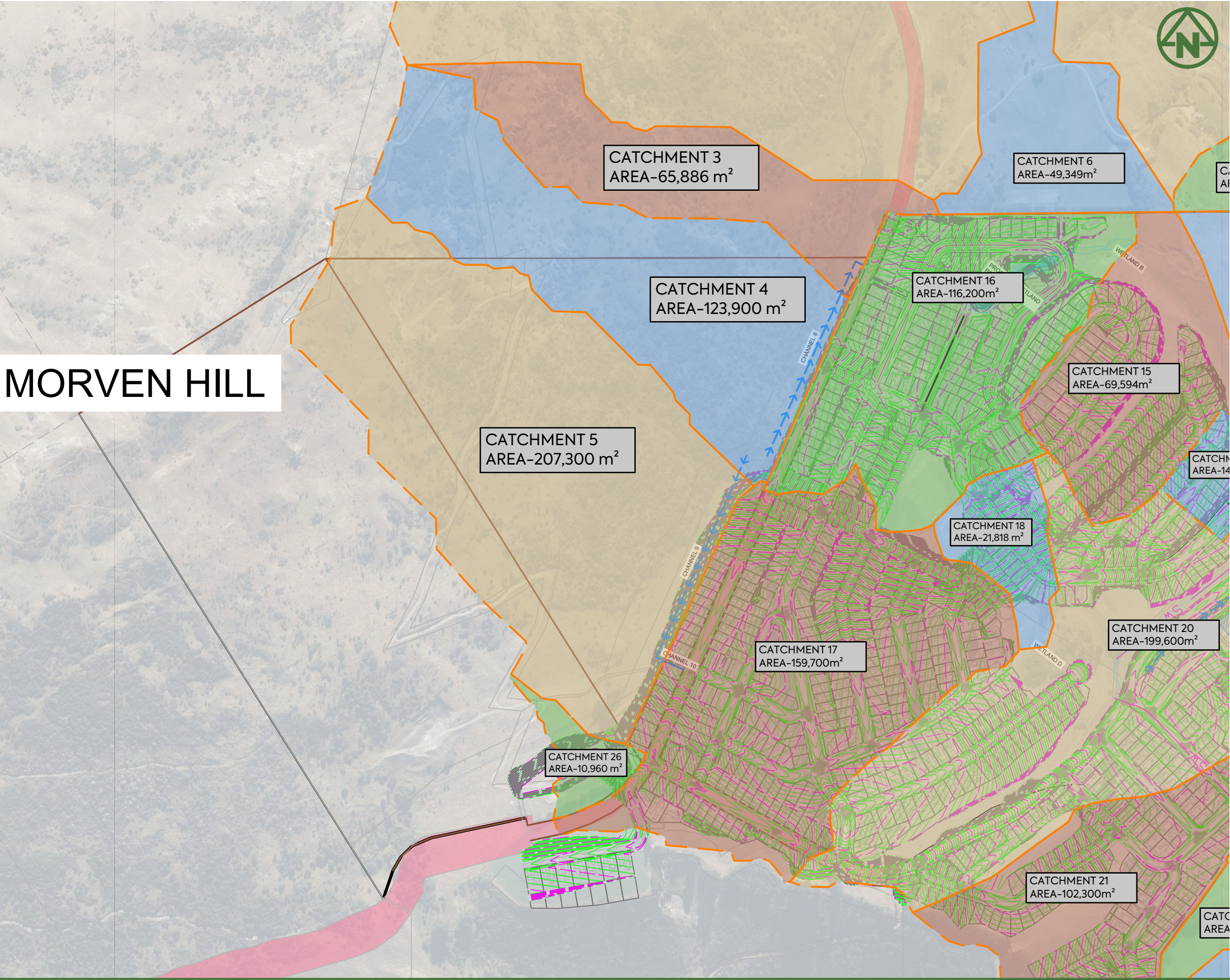
TITLE:
STORMWATER
1% AEP POST DEVELOPMENT
OVERLAND FLOW PATH
CATCHMENT PLAN SHEET 2

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:5000m @ A3
DO NOT SCALE

DRAWING NO:
4048-0-4604

REV:
A

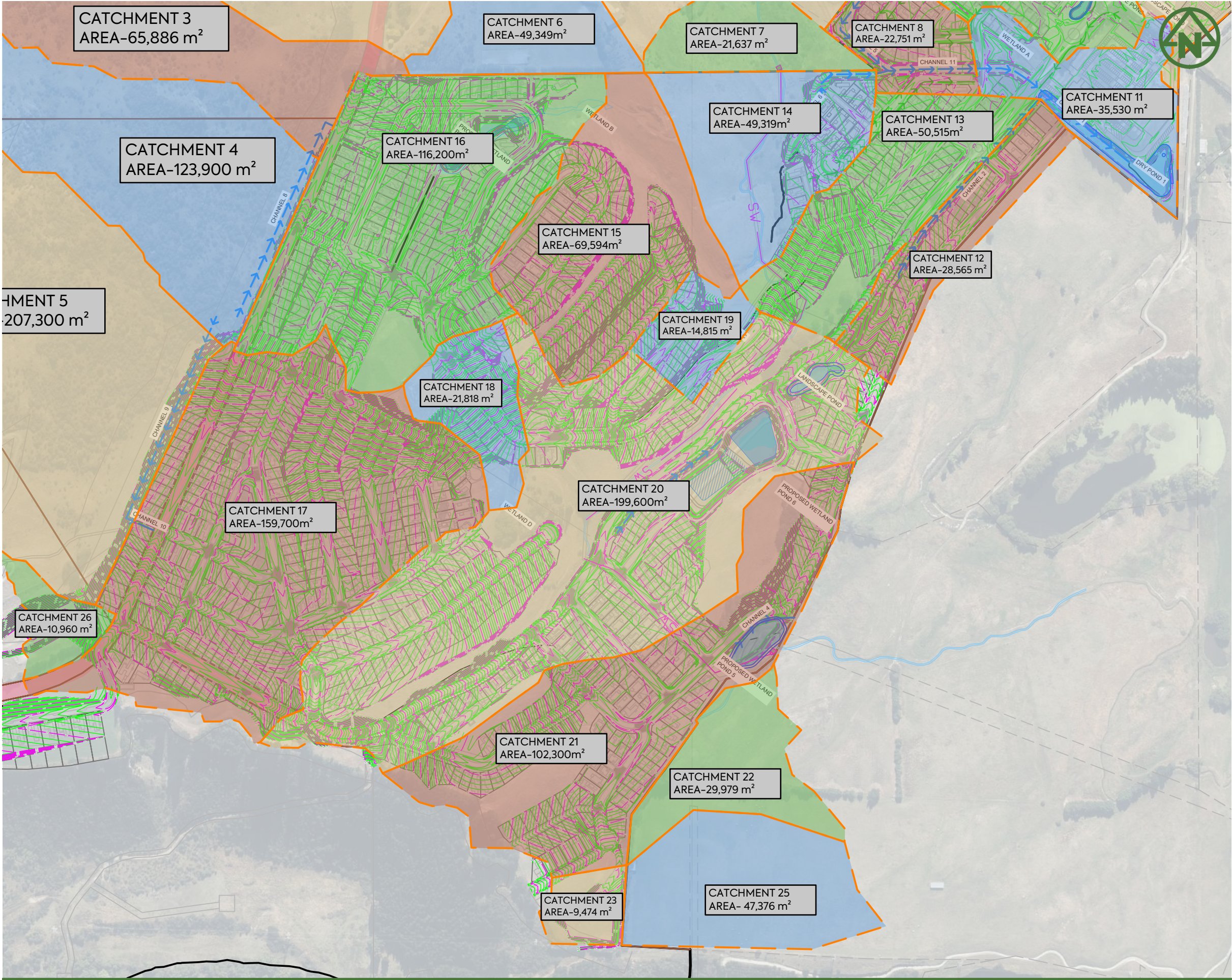


MORVEN HILL

- 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			
E FIFTH ISSUE				D FOURTH ISSUE				C THIRD ISSUE				SCALE: 1:5000m @ A3 DO NOT SCALE			
B SECOND ISSUE				A FIRST ISSUE				DRAWING NO:				REV:			
REV DESCRIPTION				DRN BY CHK BY APP BY DATE				4048-0-4605				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
 - 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

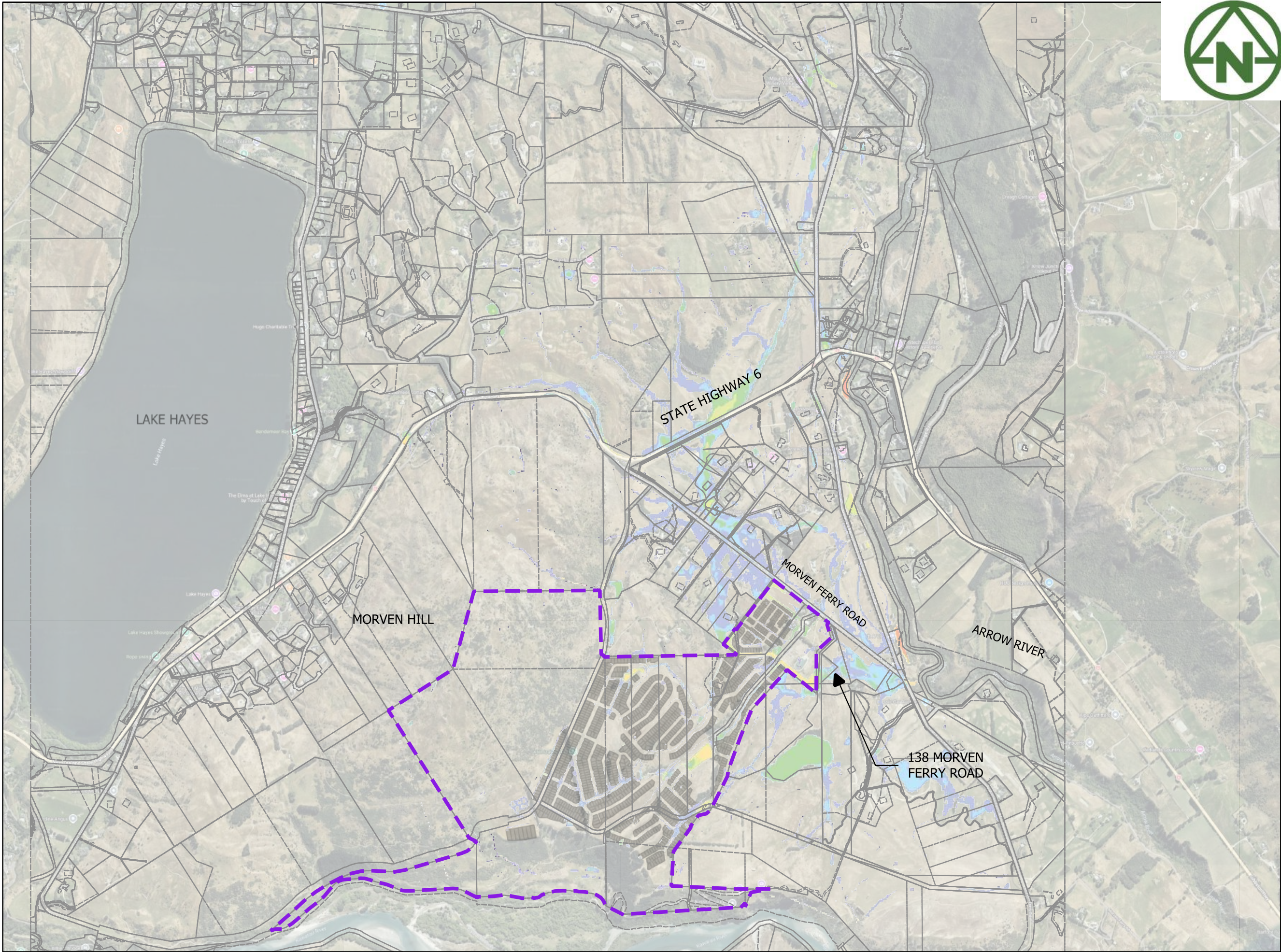


CLIENT: RIDGEBURN LTD

PROJECT: RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

TITLE: STORMWATER
1% AEP POST DEVELOPMENT
OVERLAND FLOW PATH
CATCHMENT PLAN SHEET 4

PURPOSE OF ISSUE:	RESOURCE CONSENT
SCALE:	1:5000m @ A3
DO NOT SCALE	
DRAWING NO:	4048-0-4606
REV:	A



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

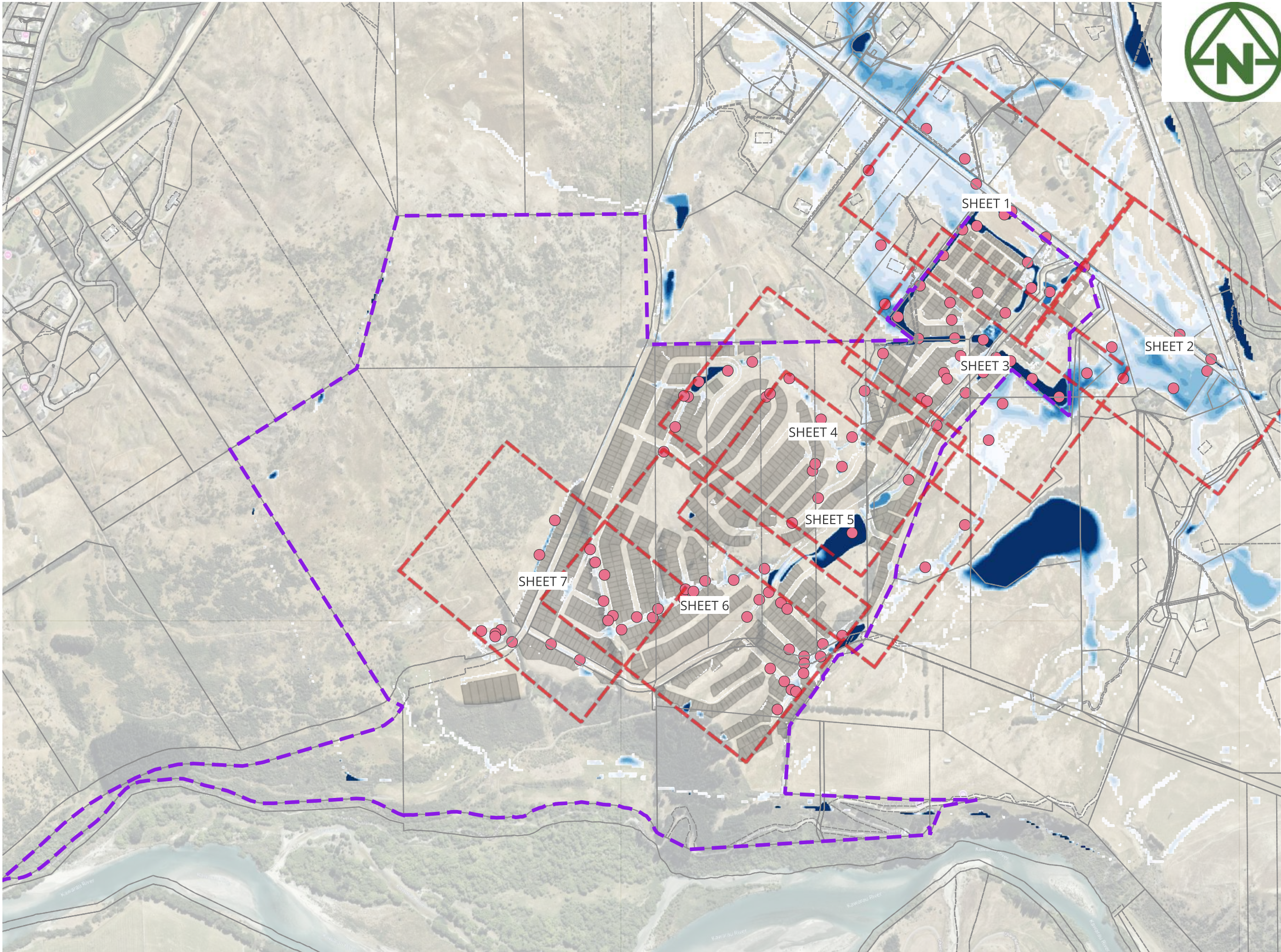
A	FIRST ISSUE	PK	SL	JK	11/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
POST-DEVELOPMENT
100 YEAR/ 1AEP
HAZARD PLAN



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		-----				

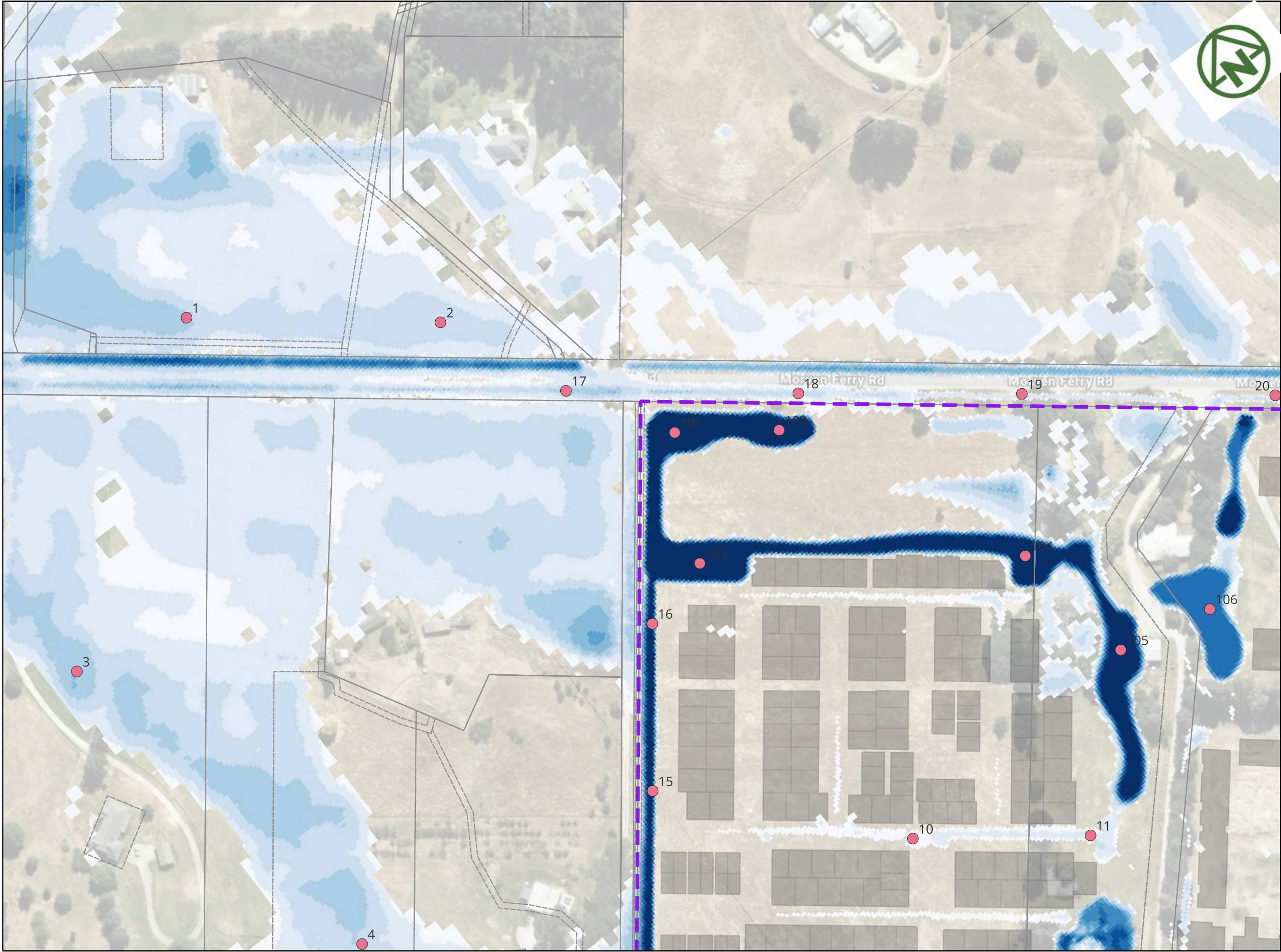


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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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.		

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

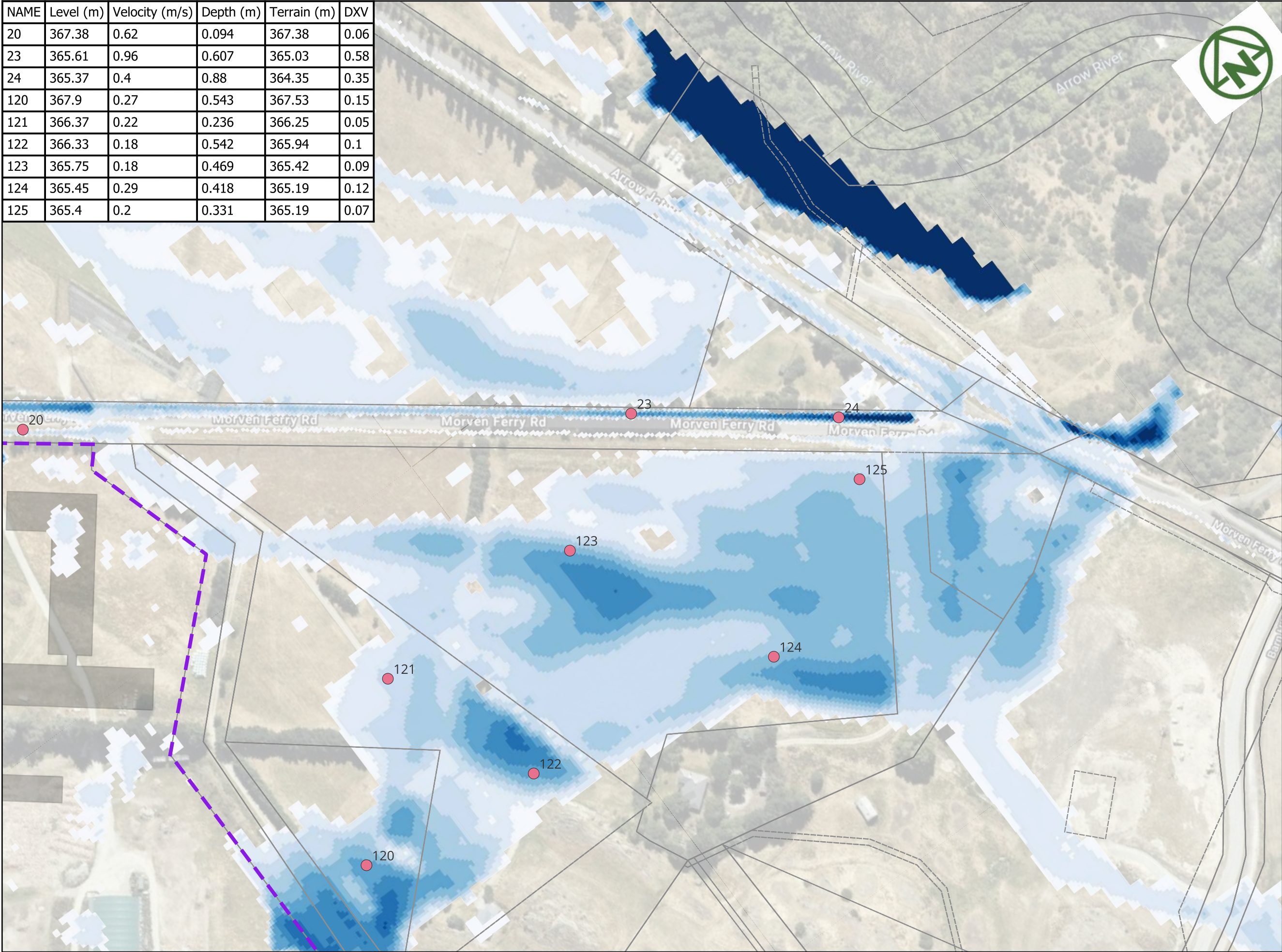
PURPOSE OF ISSUE:
RESOURCE CONSENT

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

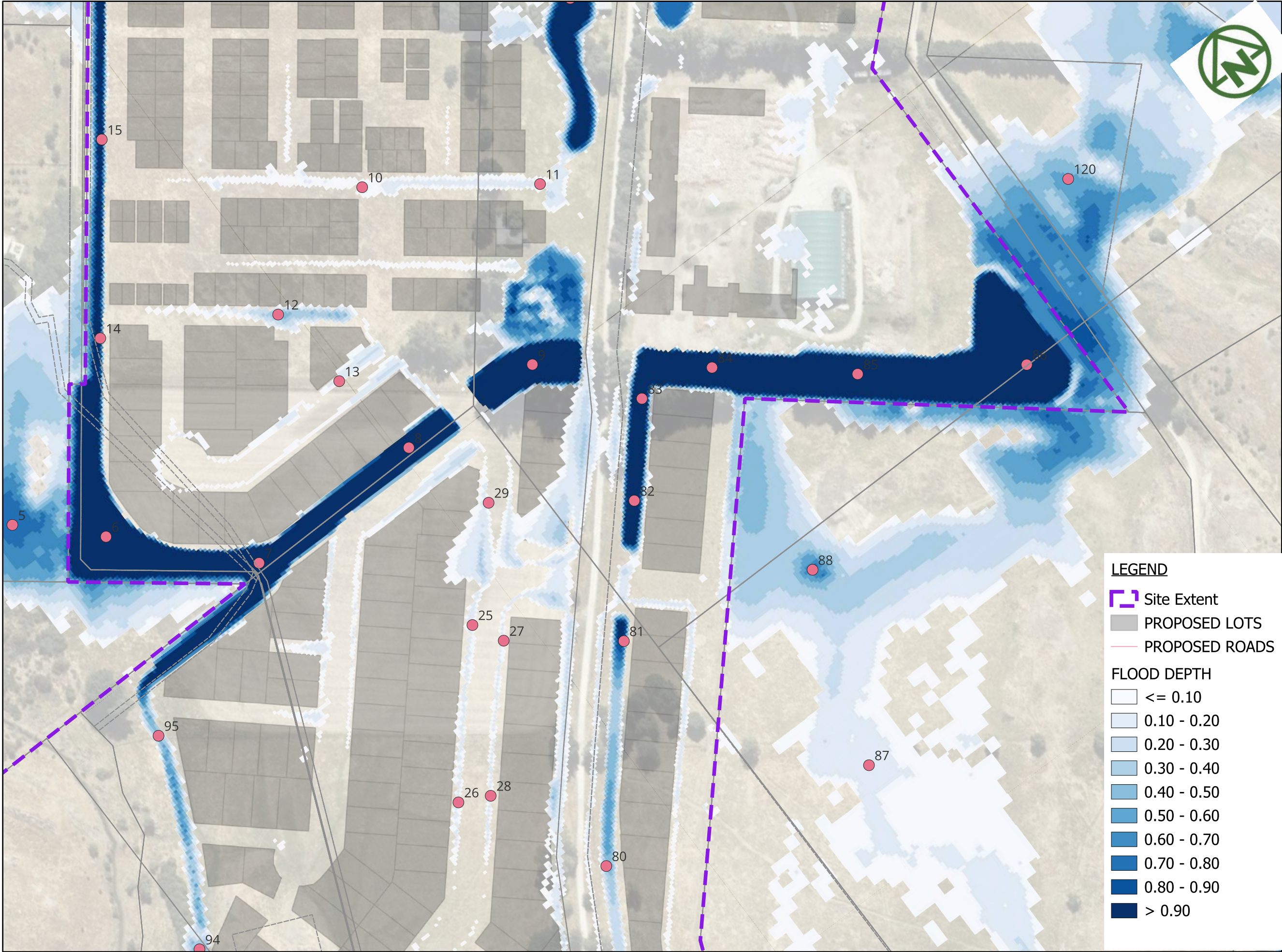
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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



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
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

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

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4613

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 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

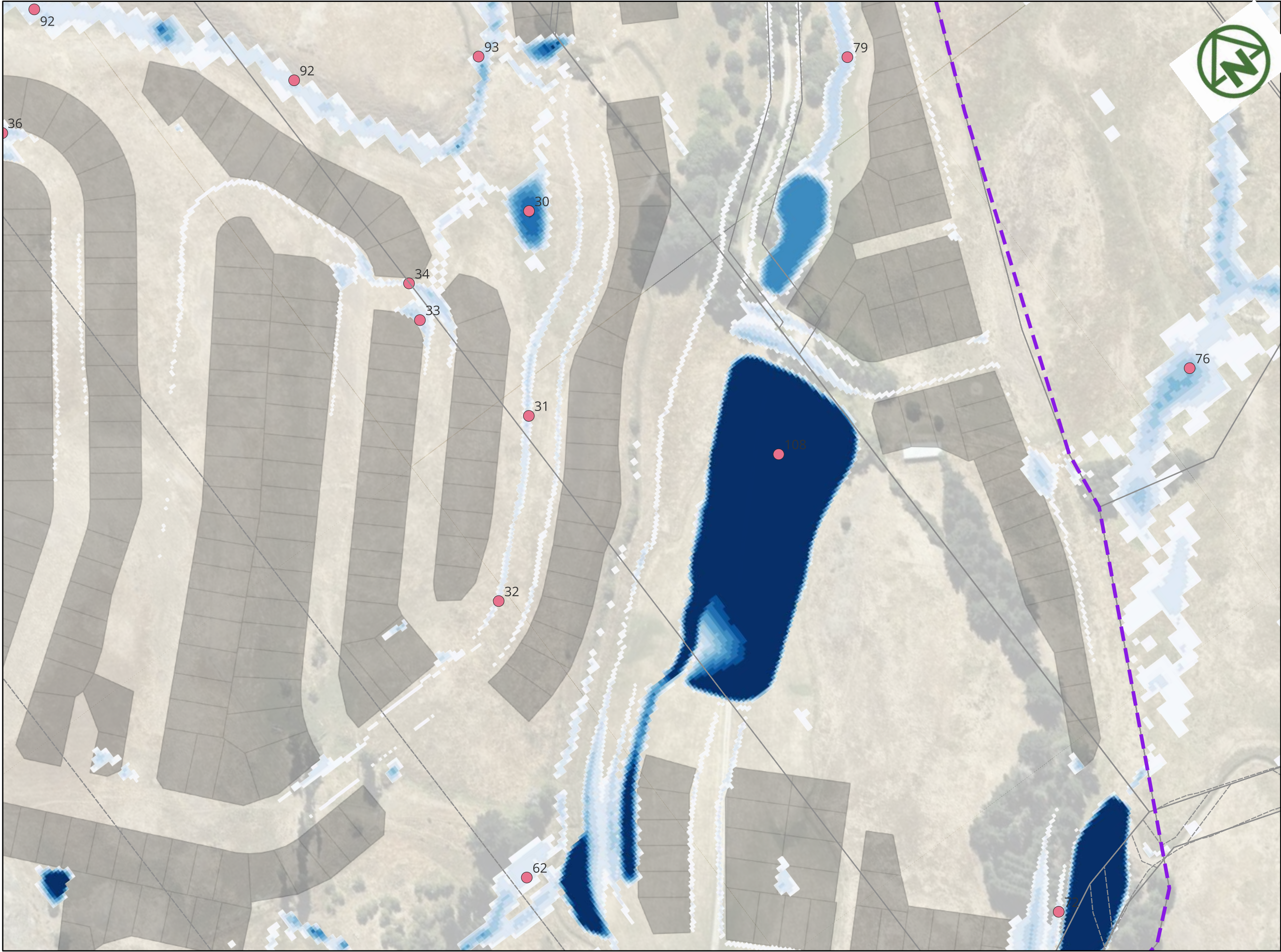
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE -----					



RIDGEBURN LTD

RIDGEBURN
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	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

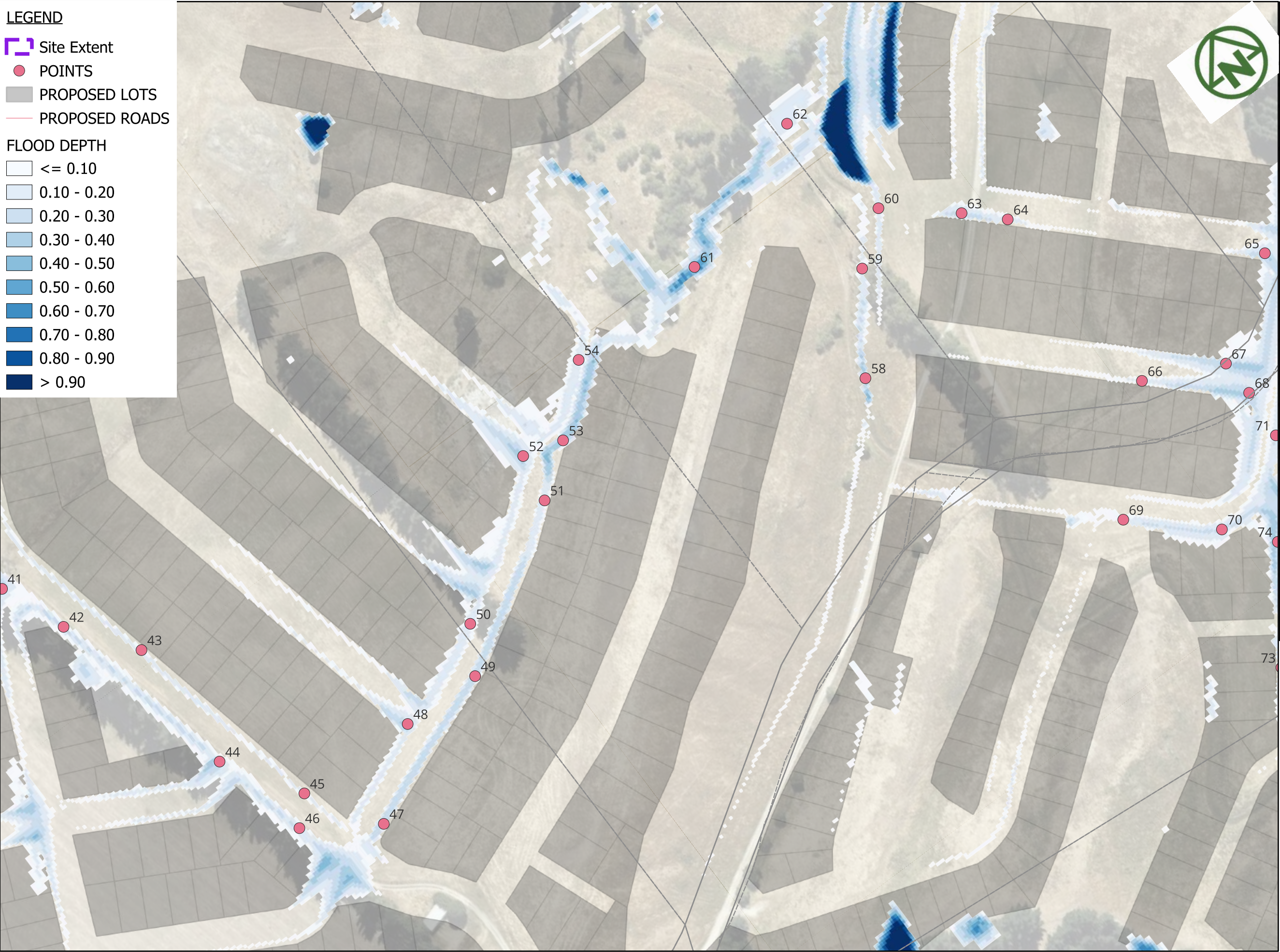
STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP
POST-DEVELOPMENT EXTENT
SHEET 5

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



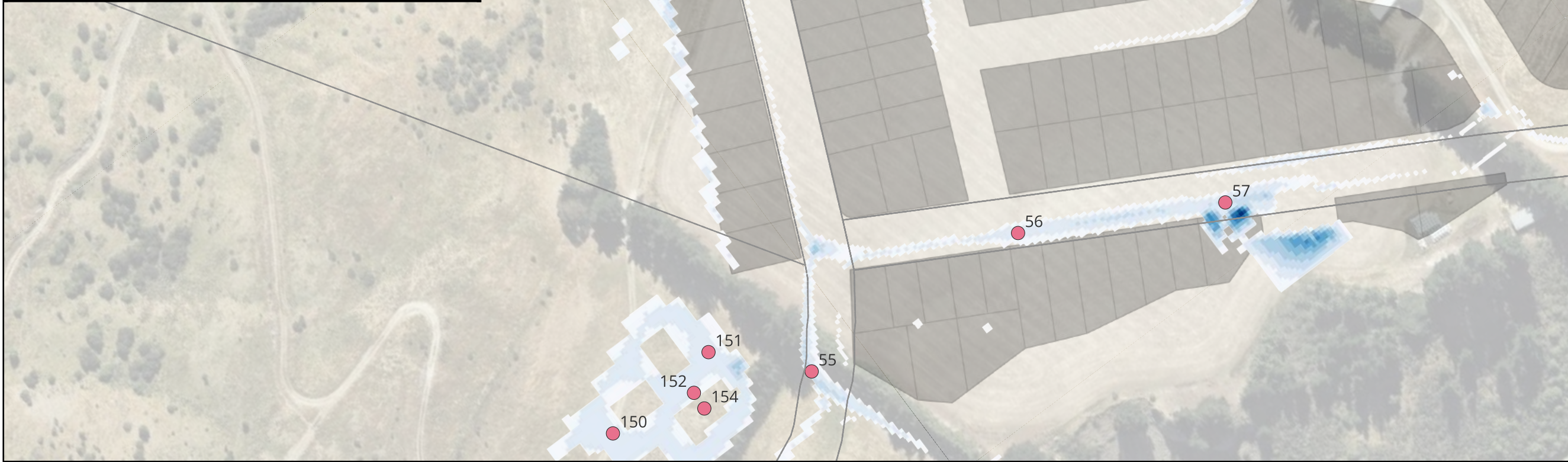
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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

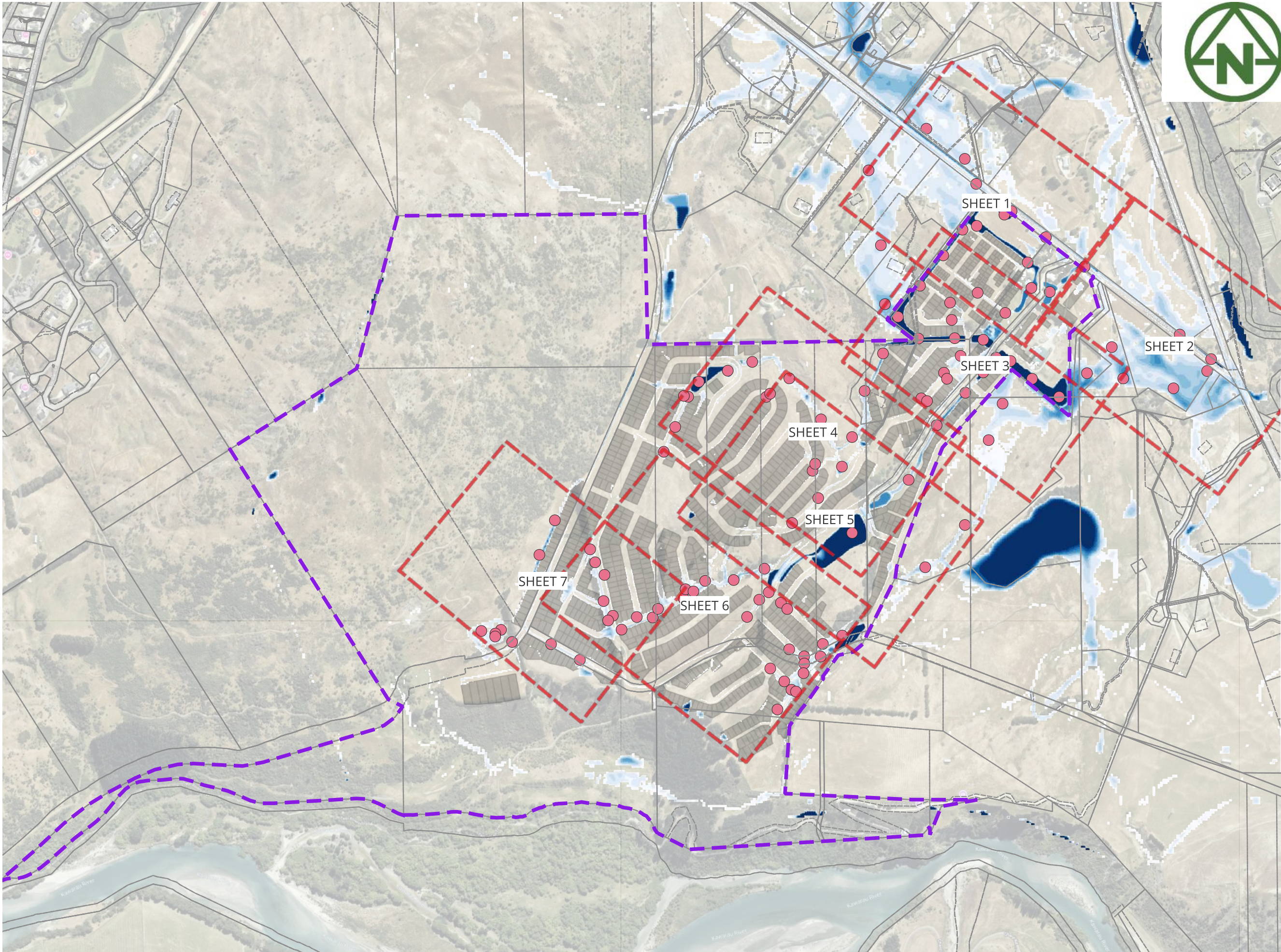
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE ----					



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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 DR

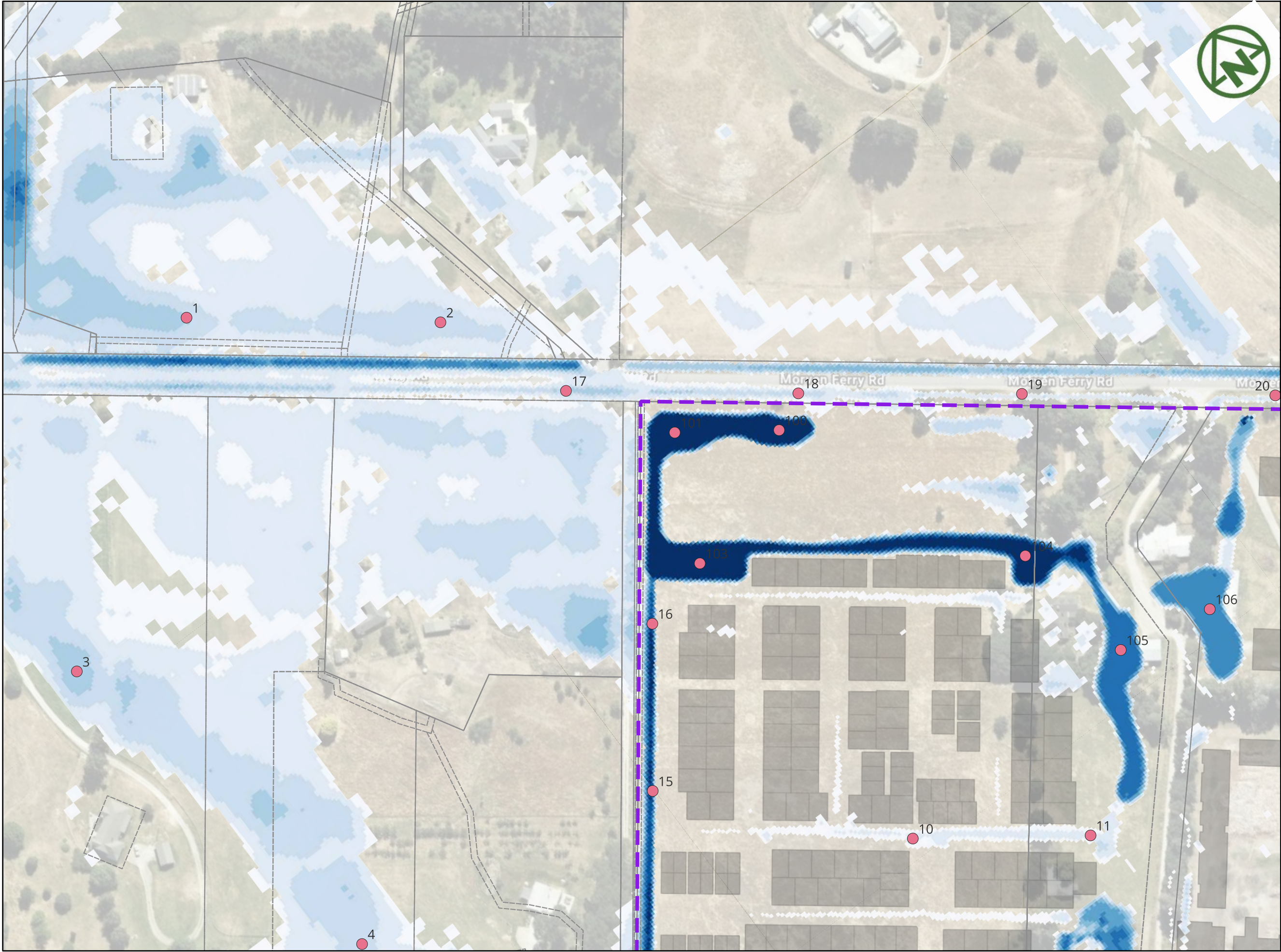


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ARROW JUNCTION
QUEENSTOWN

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



NAME	Level (m)	Velocity (m/s)	Depth (m)	Terrain (m)	DXV
1	371.99	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.		

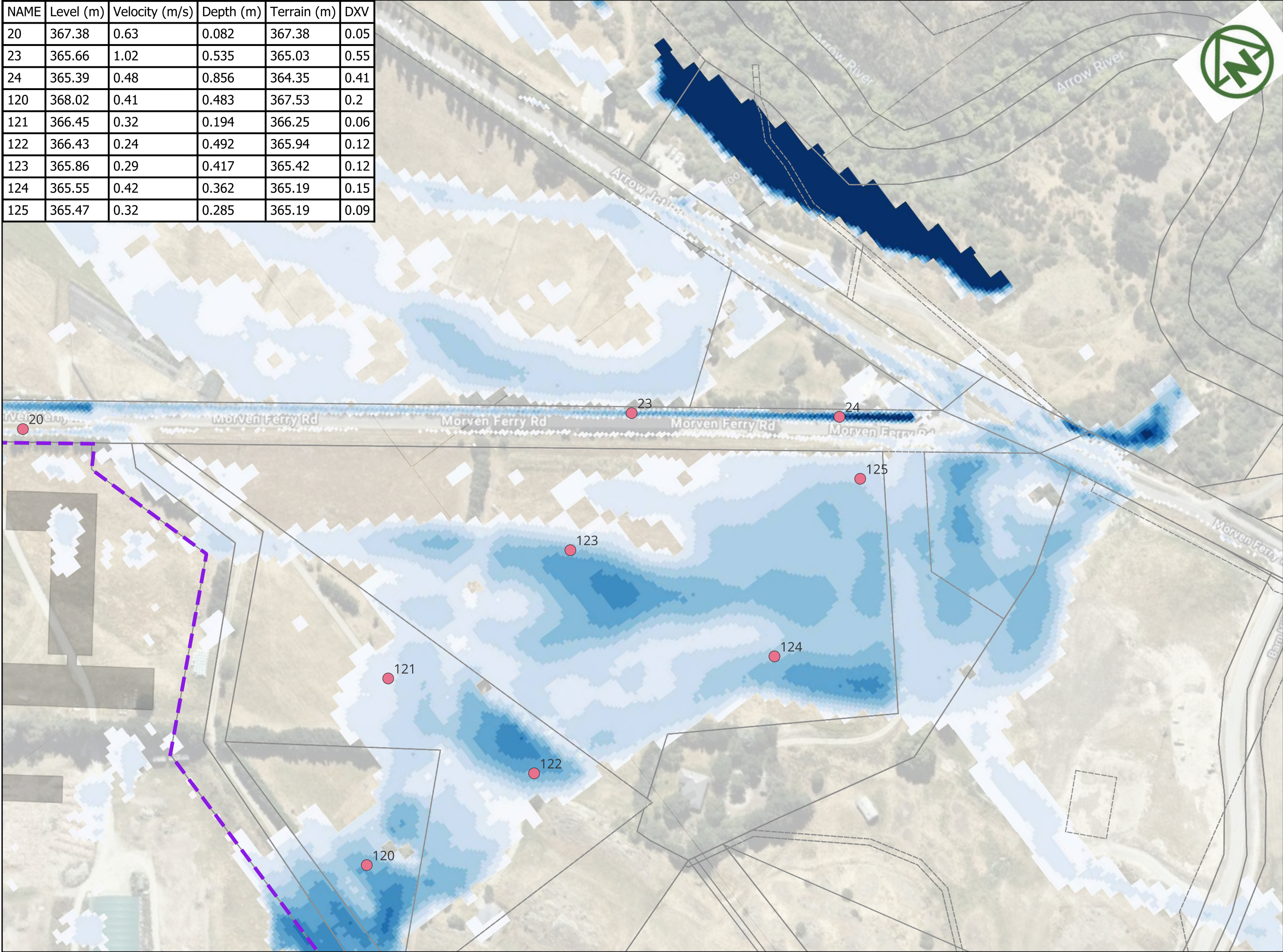


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

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

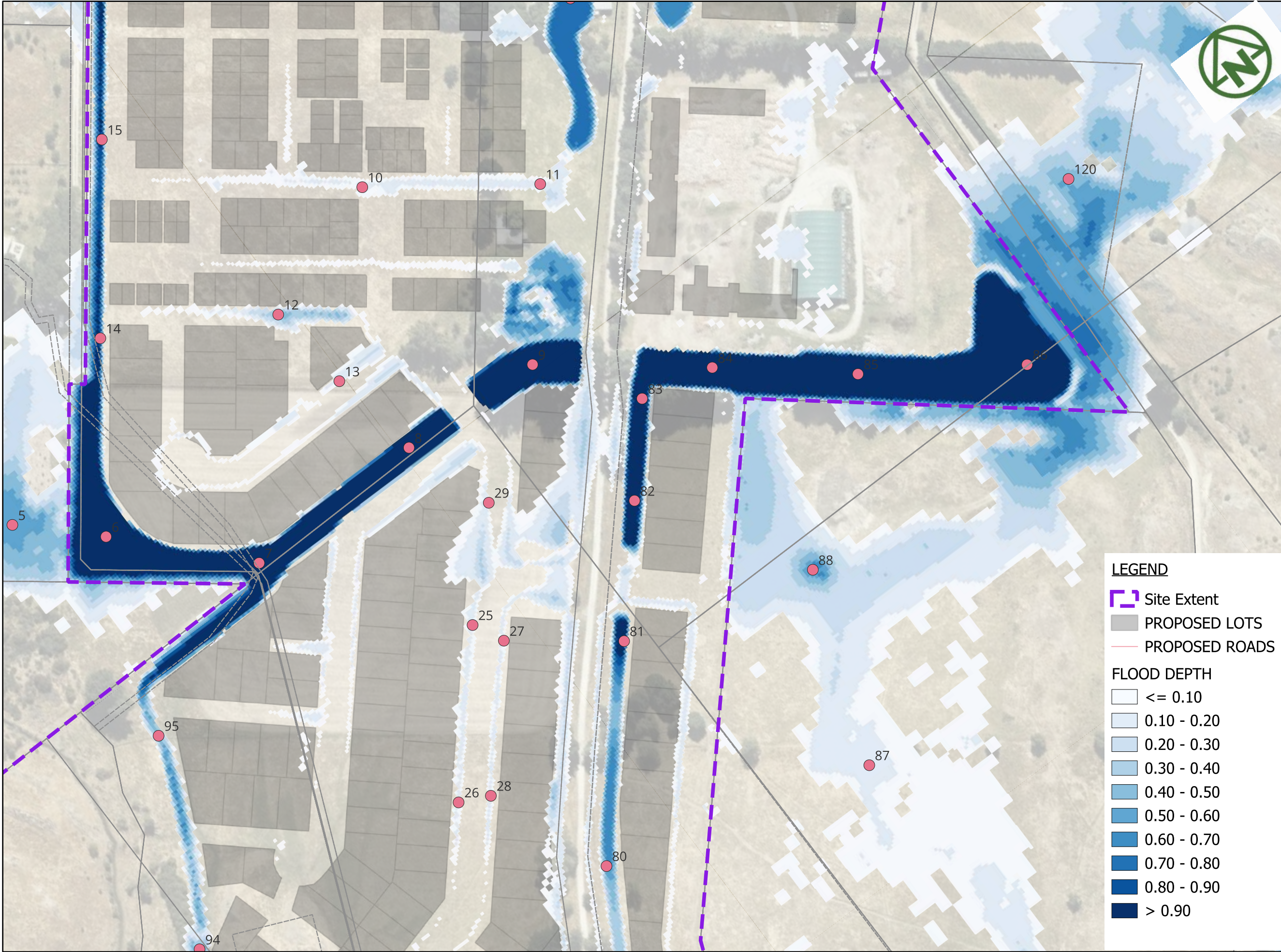
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----				



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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



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
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

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

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4623

REV:
A

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



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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 -----					



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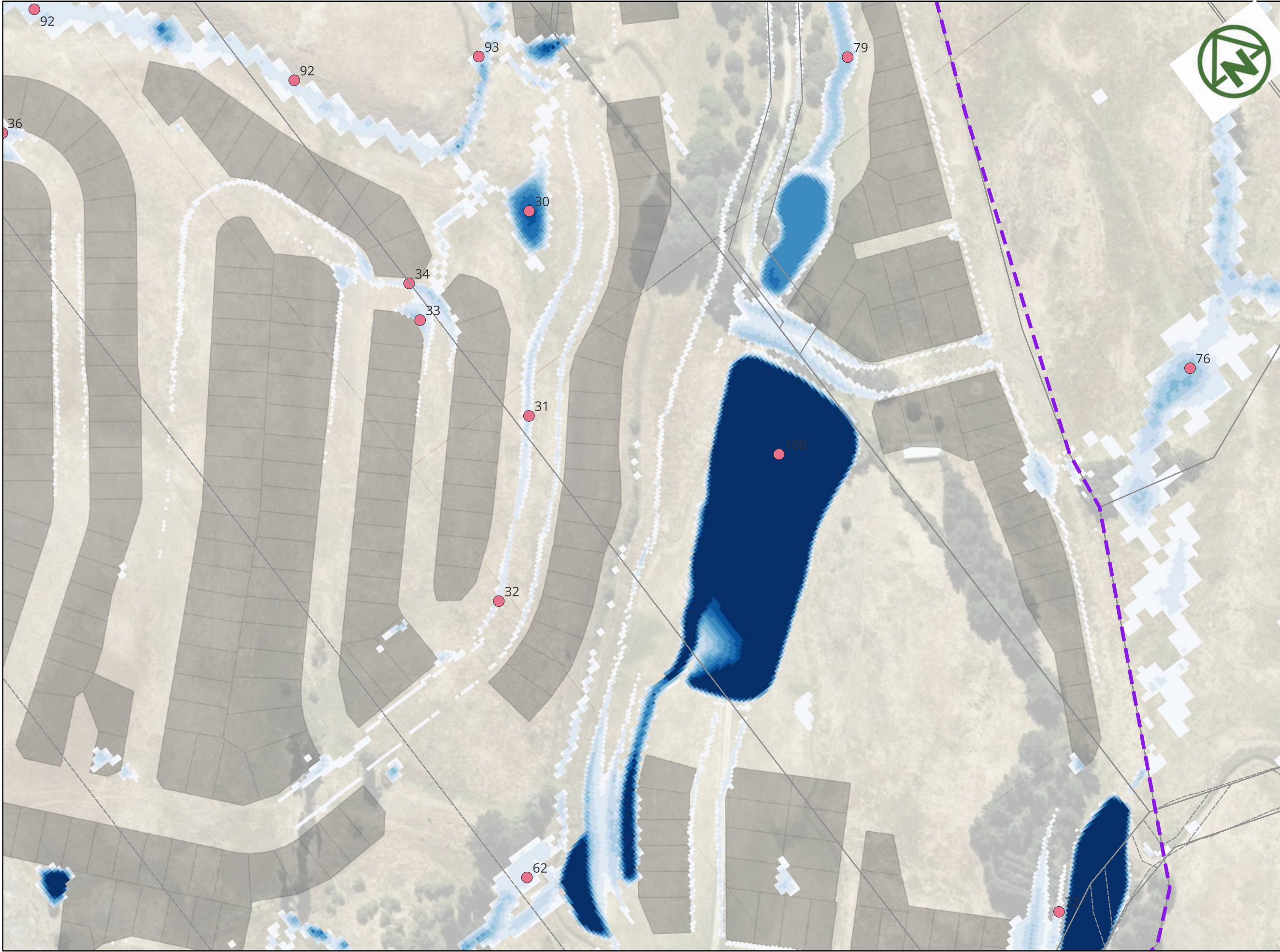
RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

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

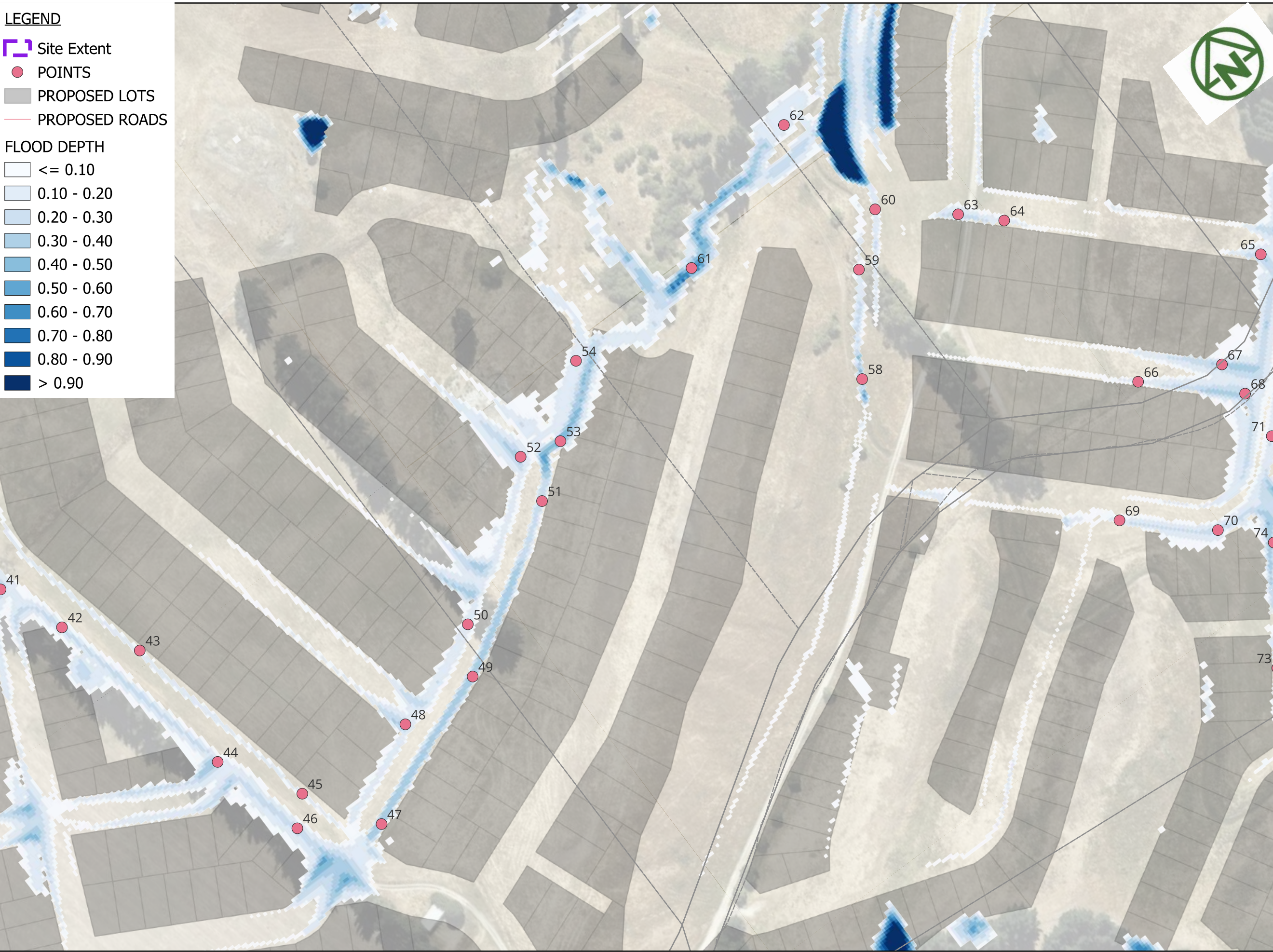
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LEGEND

- 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

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



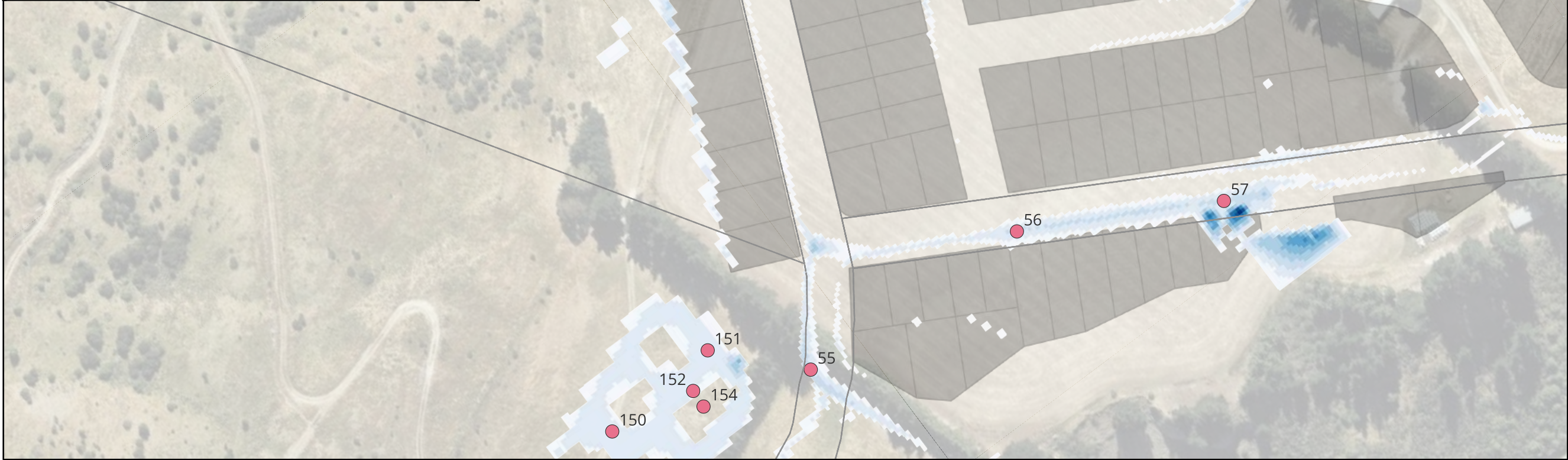
MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 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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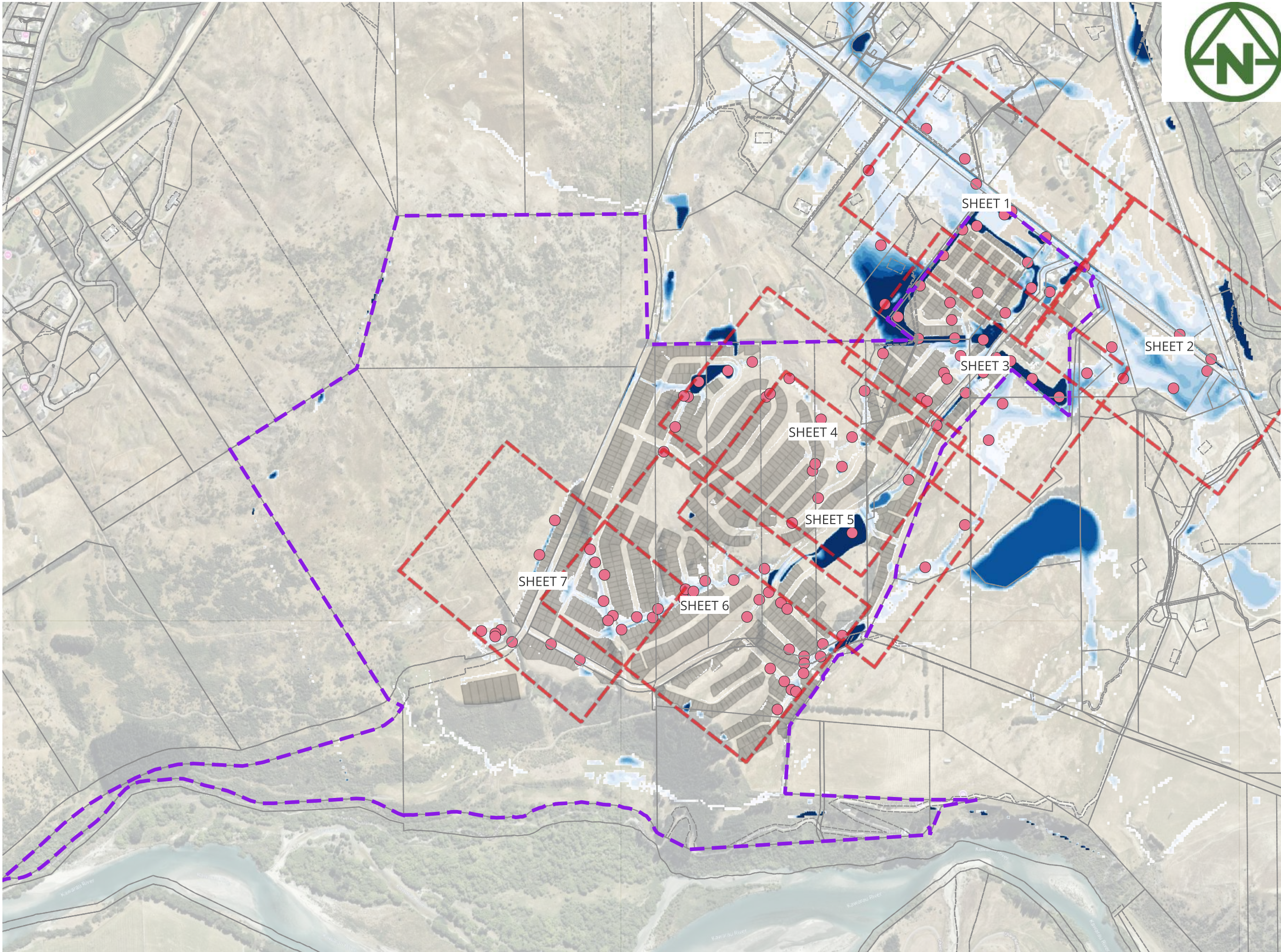
RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

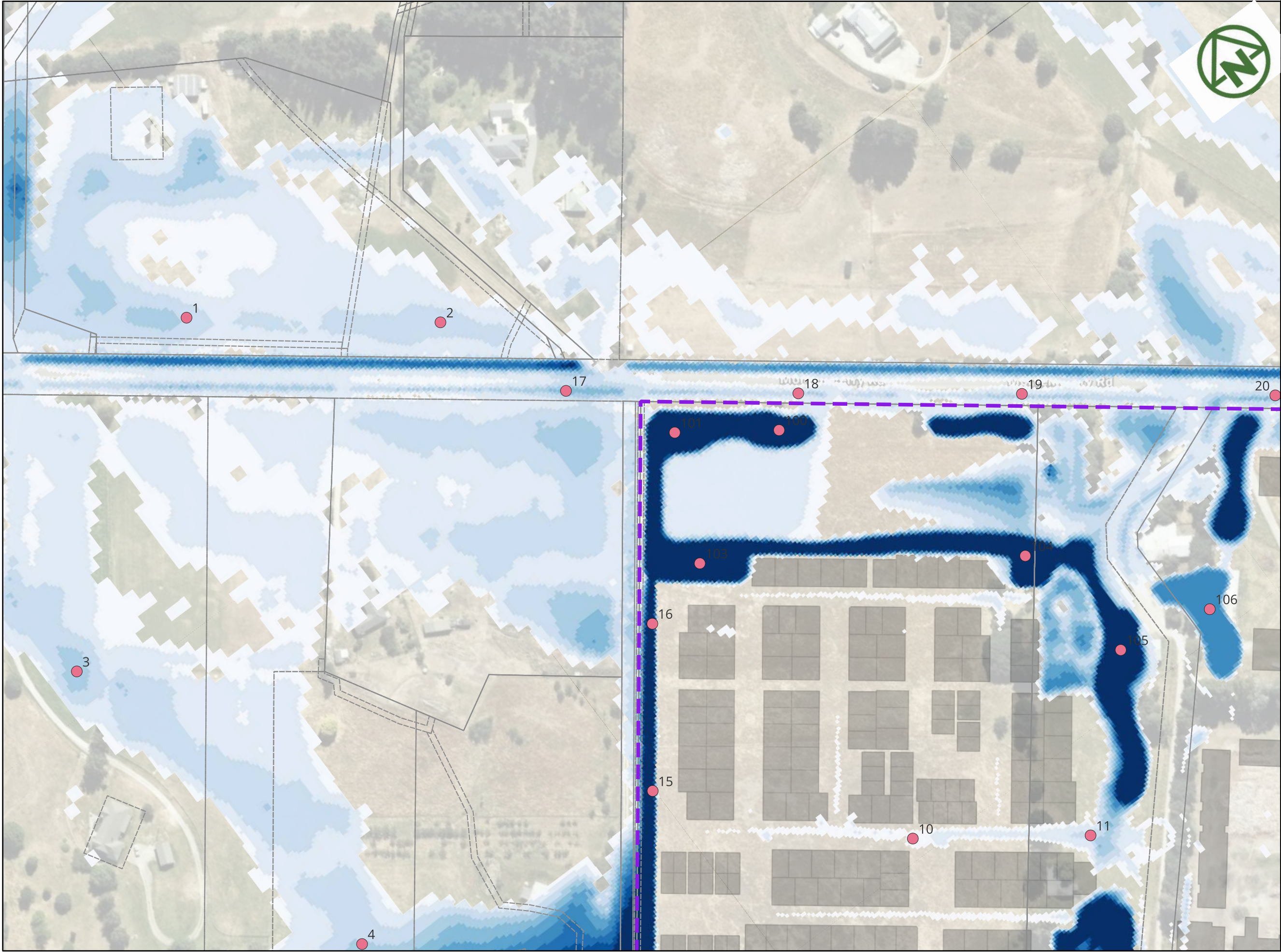


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO:
4048-0-4631

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.		

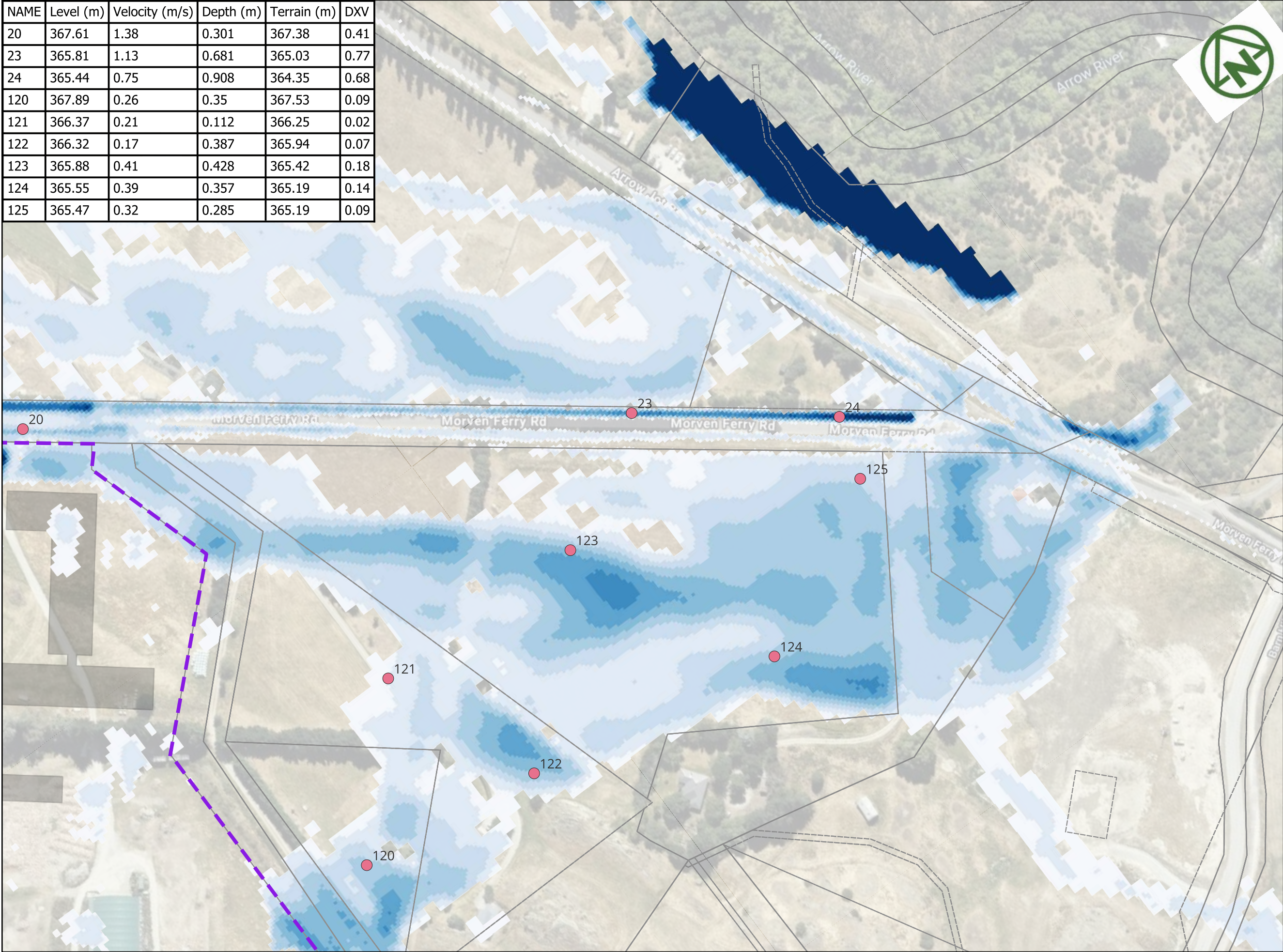
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

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

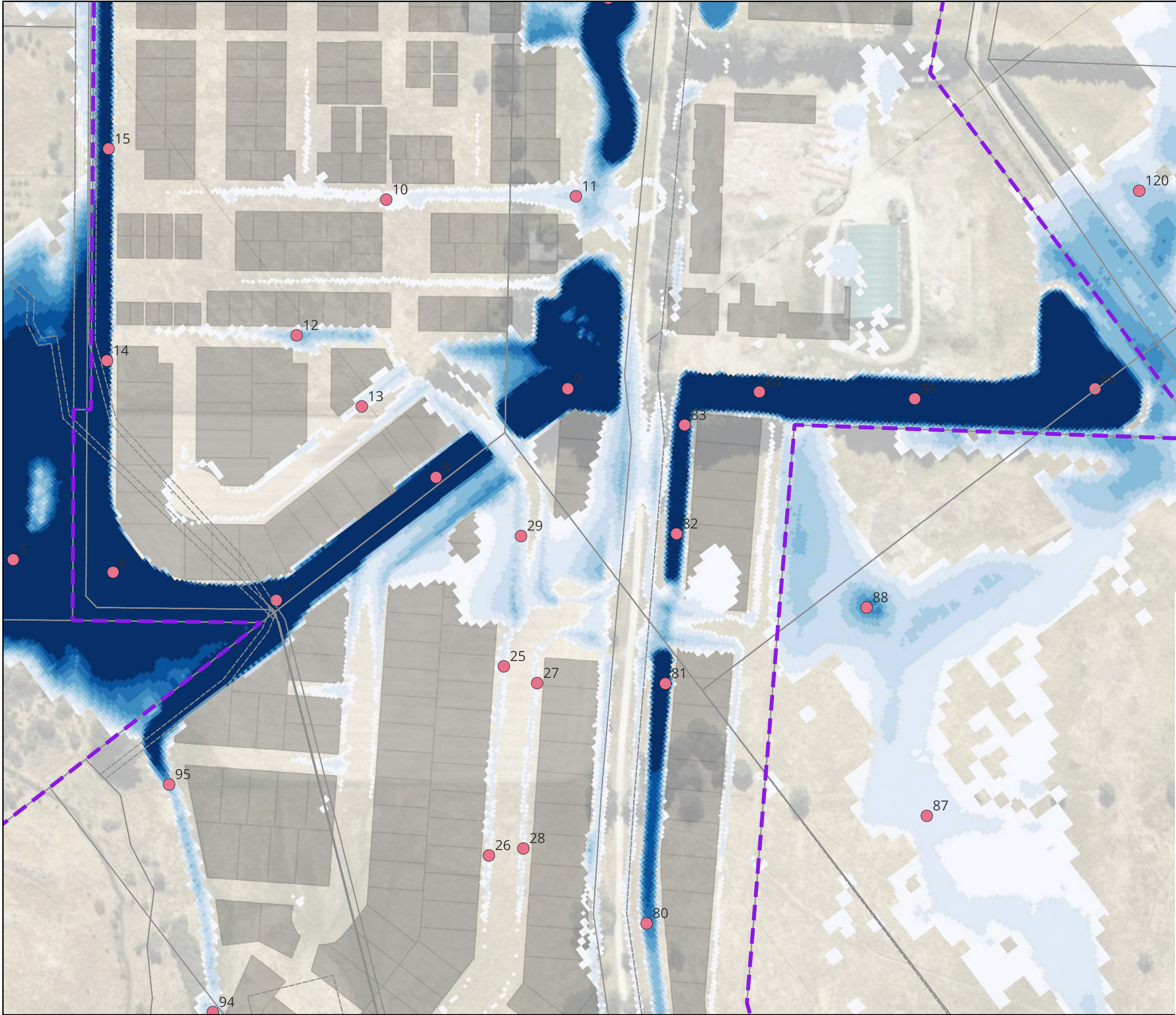


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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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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
26	370.44	0.52	0.117	370.27	0.06
28	370.37	0.72	0.123	370.16	0.09
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
35	418.33	0.15	0.31	417.95	0.05
36	418.32	0.08	0.224	418.1	0.02
37	414.26	0.3	0.296	413.94	0.09
39	414.53	0.7	0.185	414.23	0.13
79	375.17	1.55	0.394	374.78	0.61
80	369.74	1.13	0.638	369	0.72
89	414.1	0.26	4.901	409.2	1.27
90	414.1	0.24	4.9	409.2	1.16
91	409.73	0.9	0.218	409.45	0.2
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
94	375.36	0.94	0.344	375.02	0.32
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)

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



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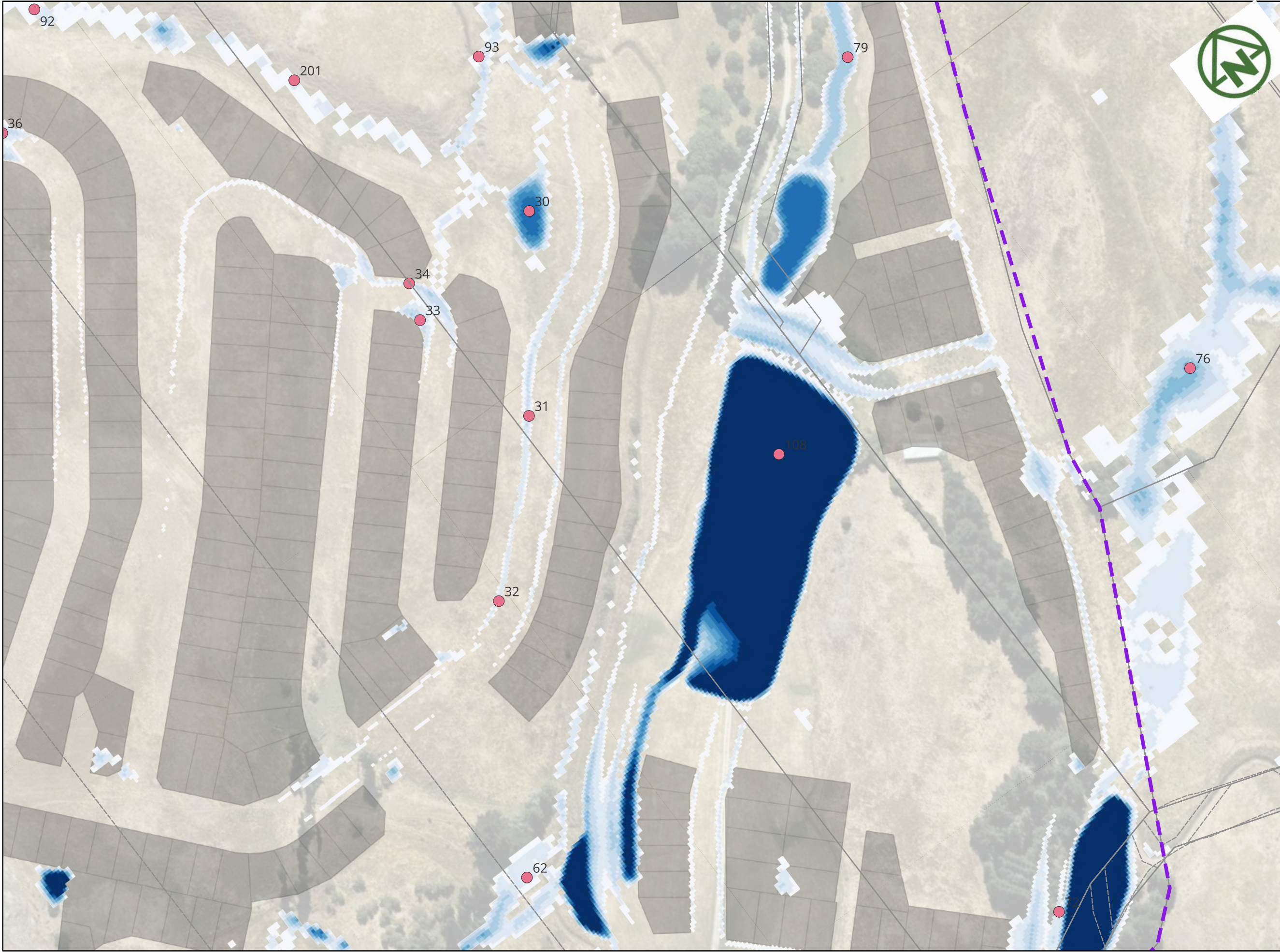
RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 4

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-0-4634
REV: A



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	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

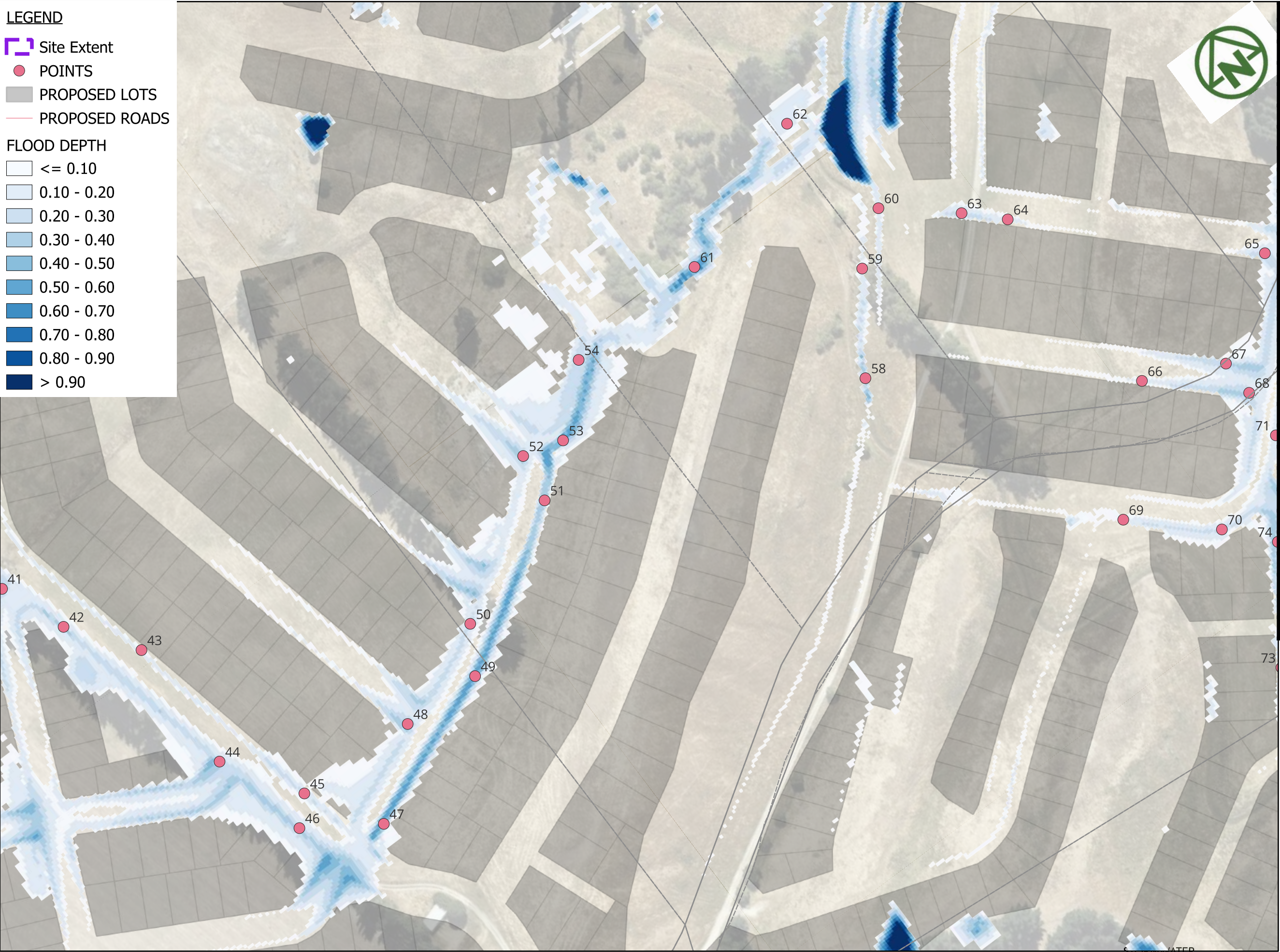
STORMWATER
FLOOD EVENT
Q 100 YEAR/1 AEP (BL02)
POST-DEVELOPMENT EXTENT
SHEET 5

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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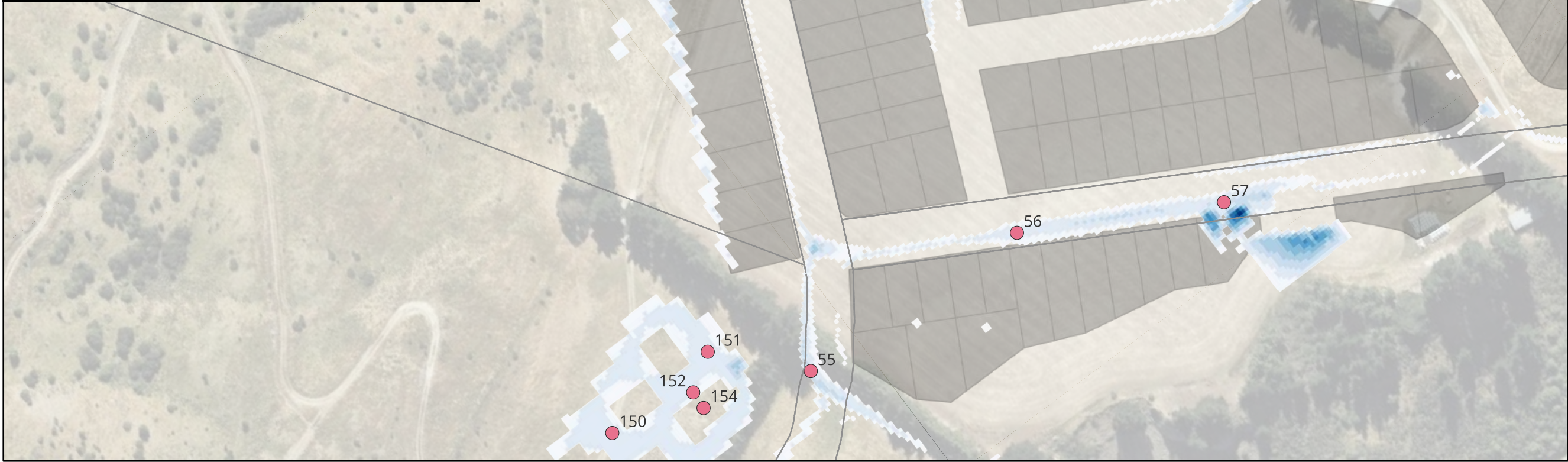
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

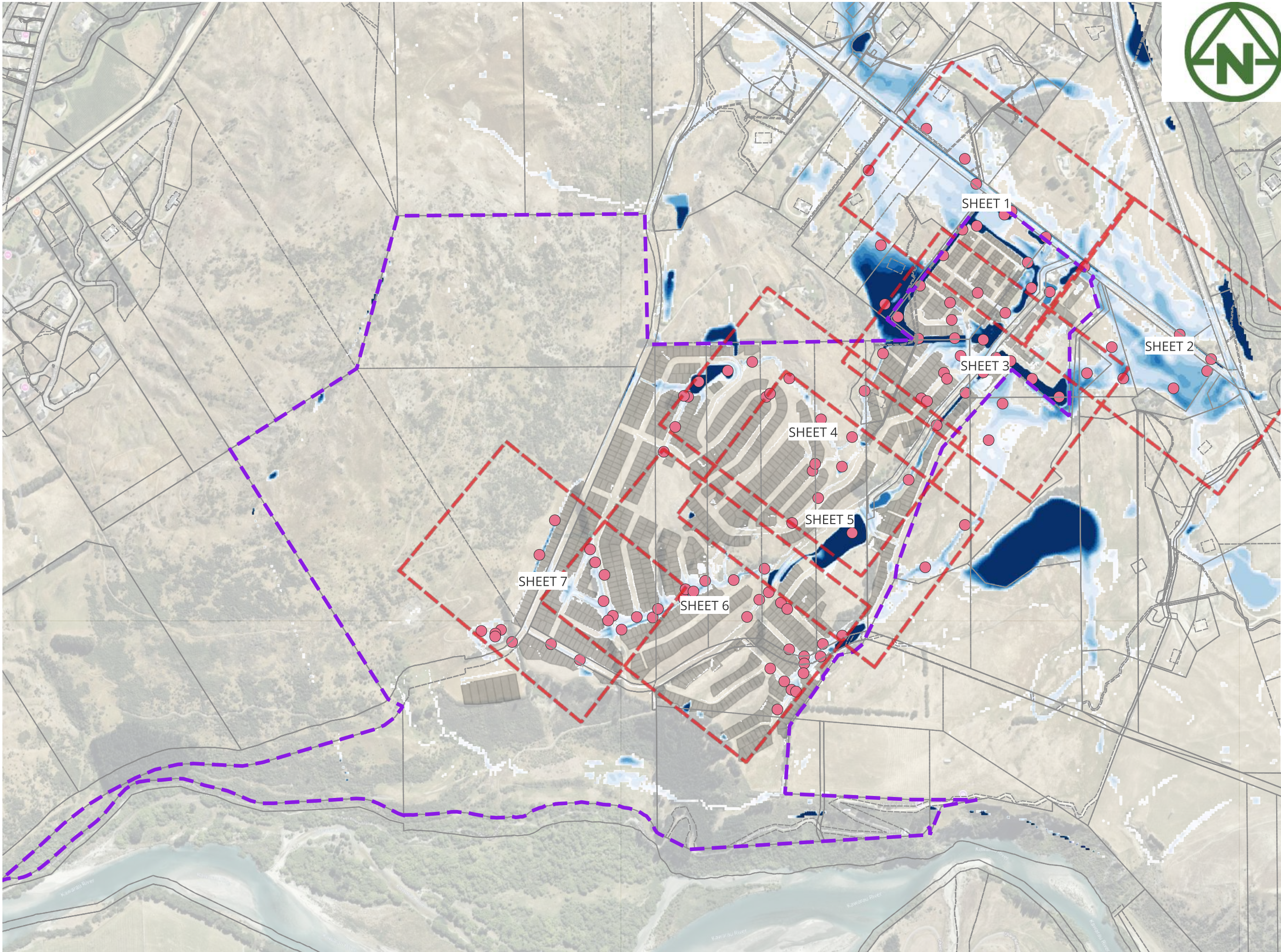
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE					



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ARROW JUNCTION
QUEENSTOWN

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

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

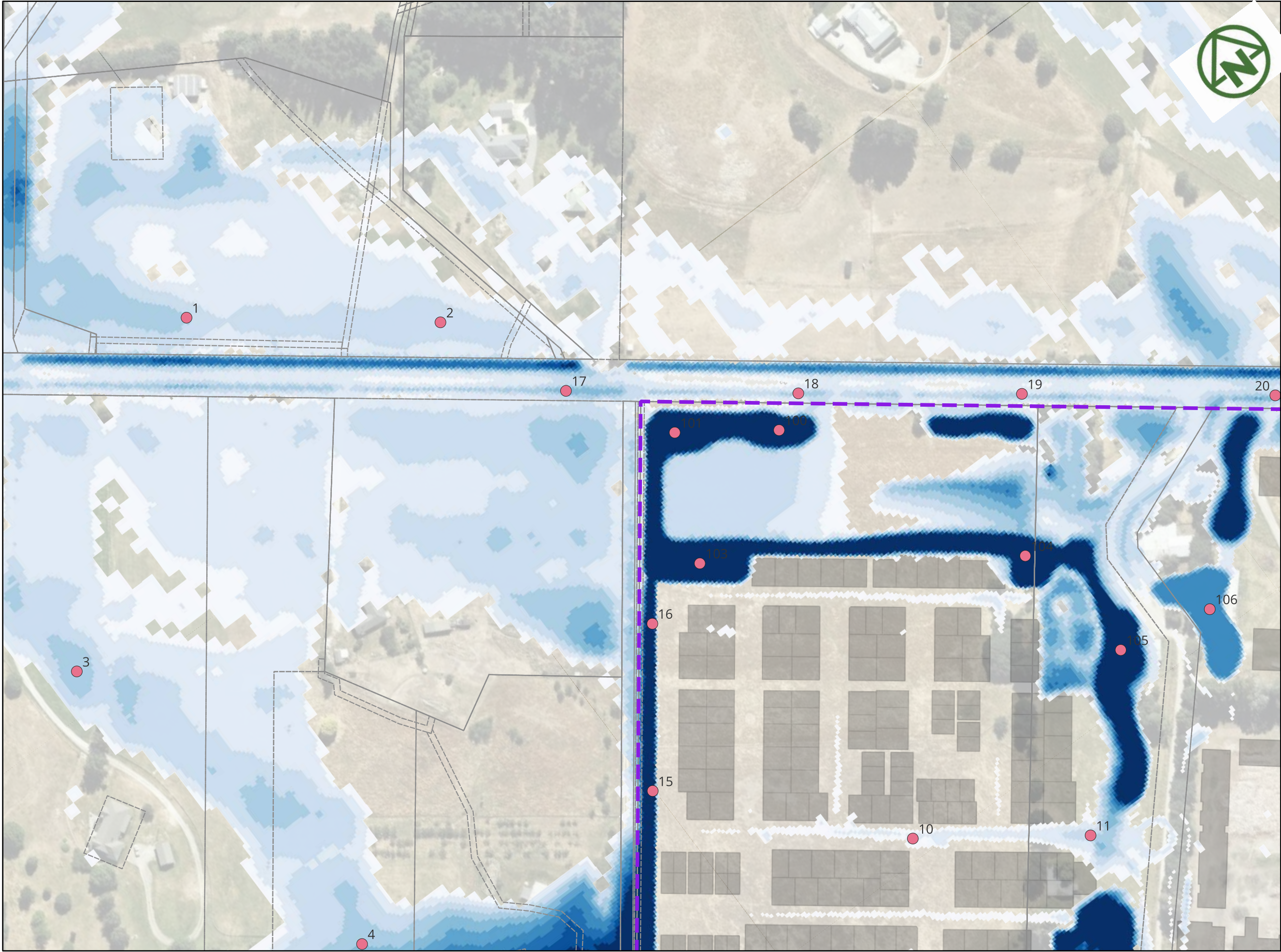


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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

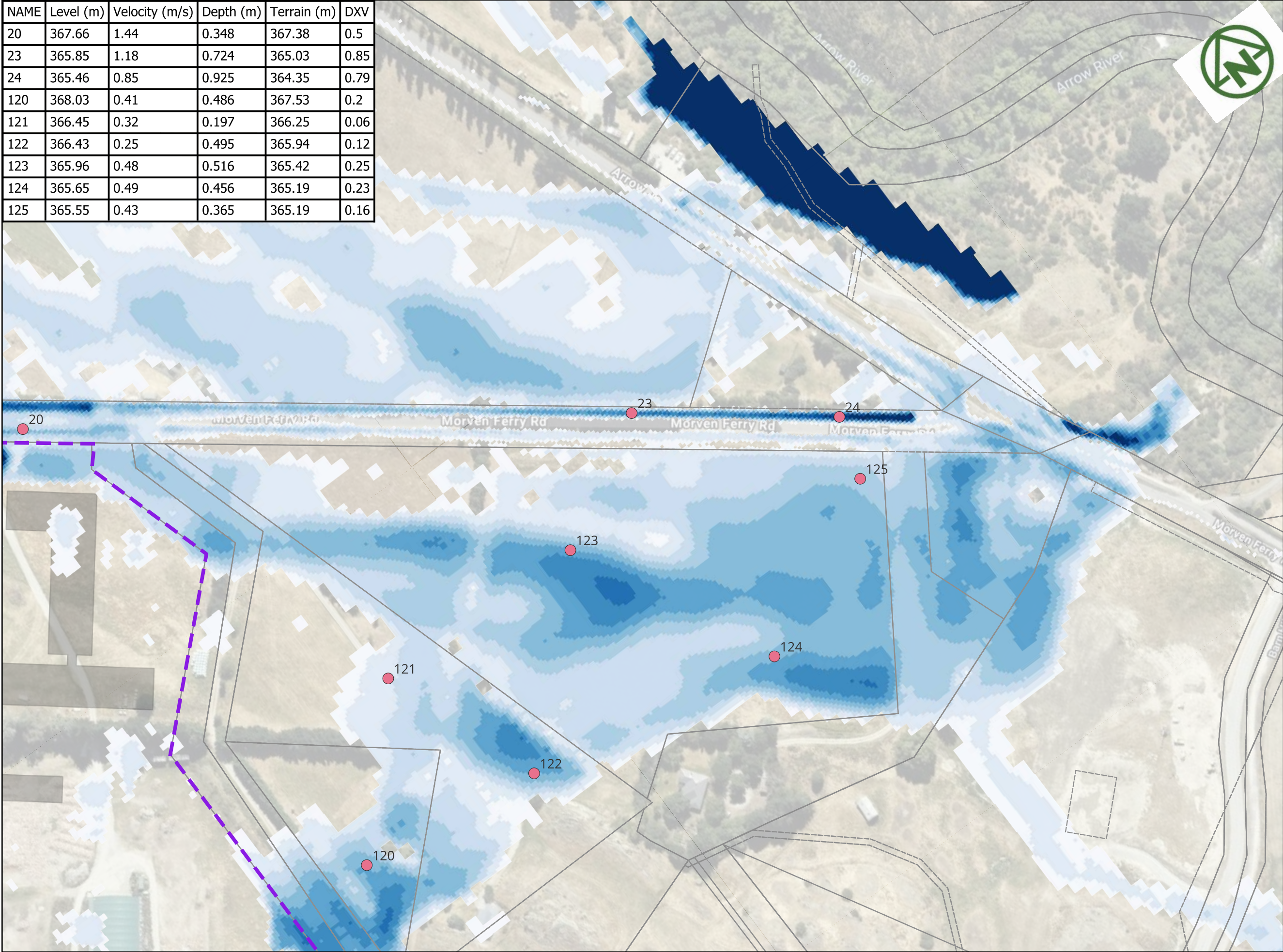
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

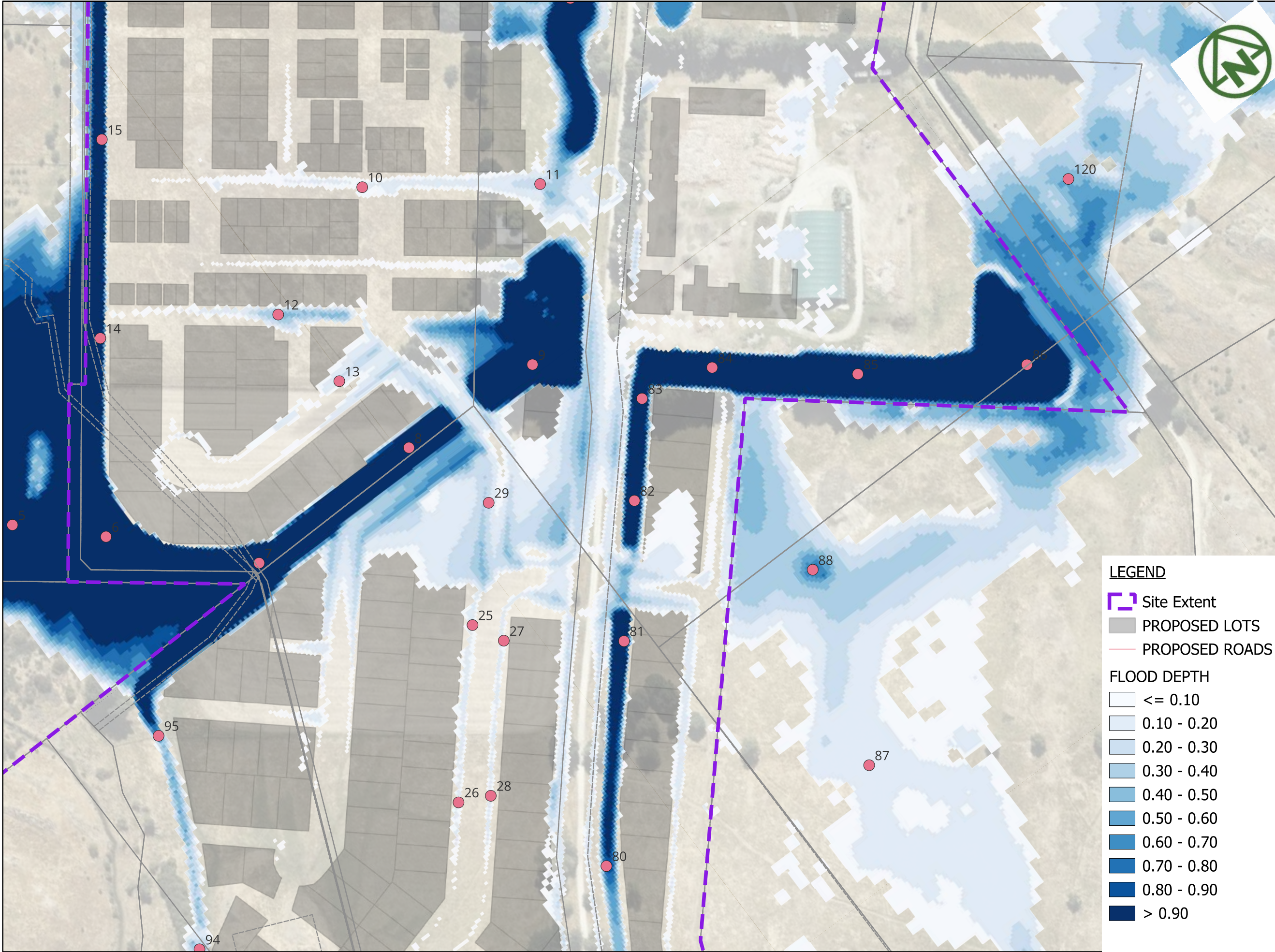


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

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 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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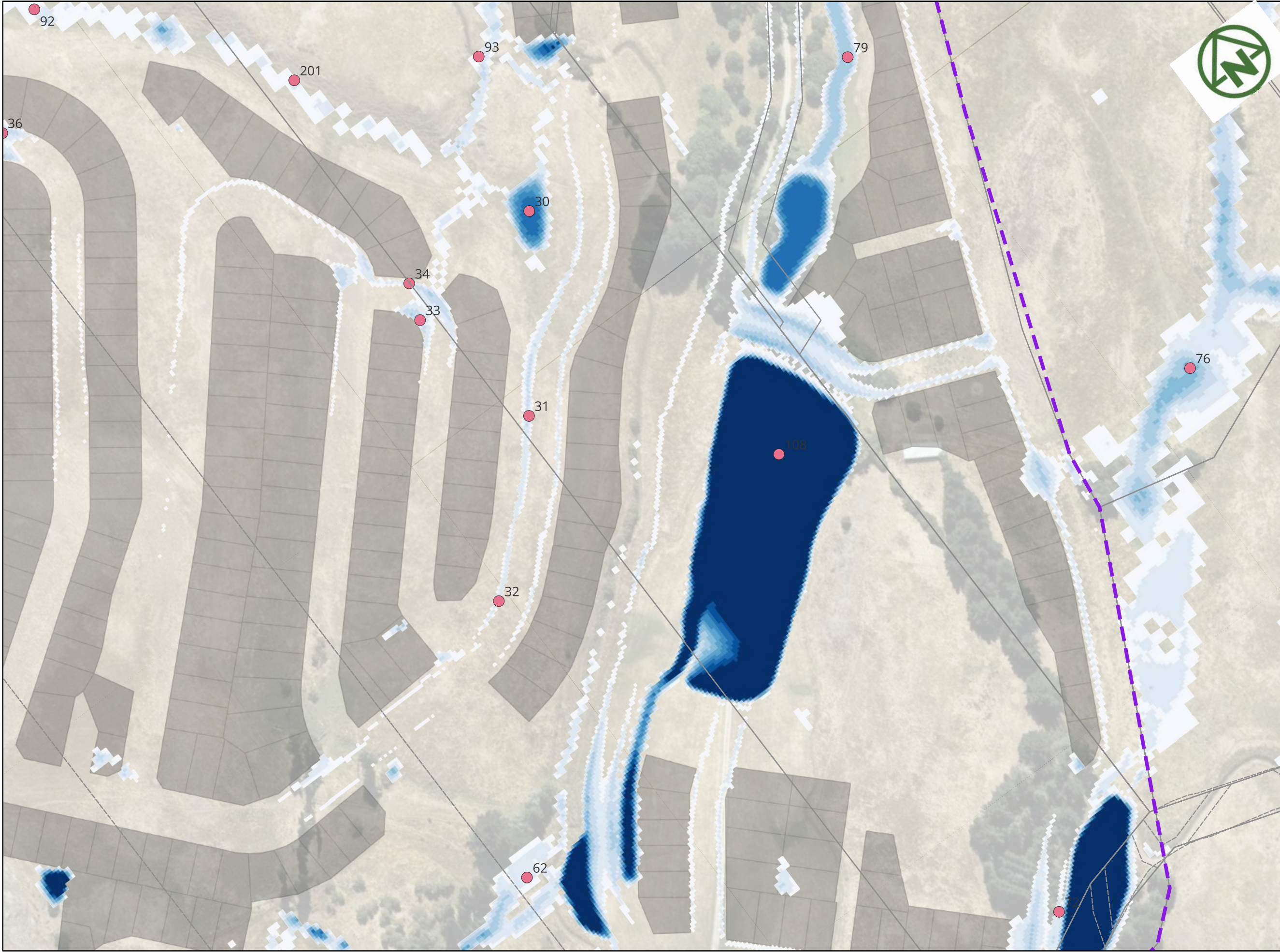
RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

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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

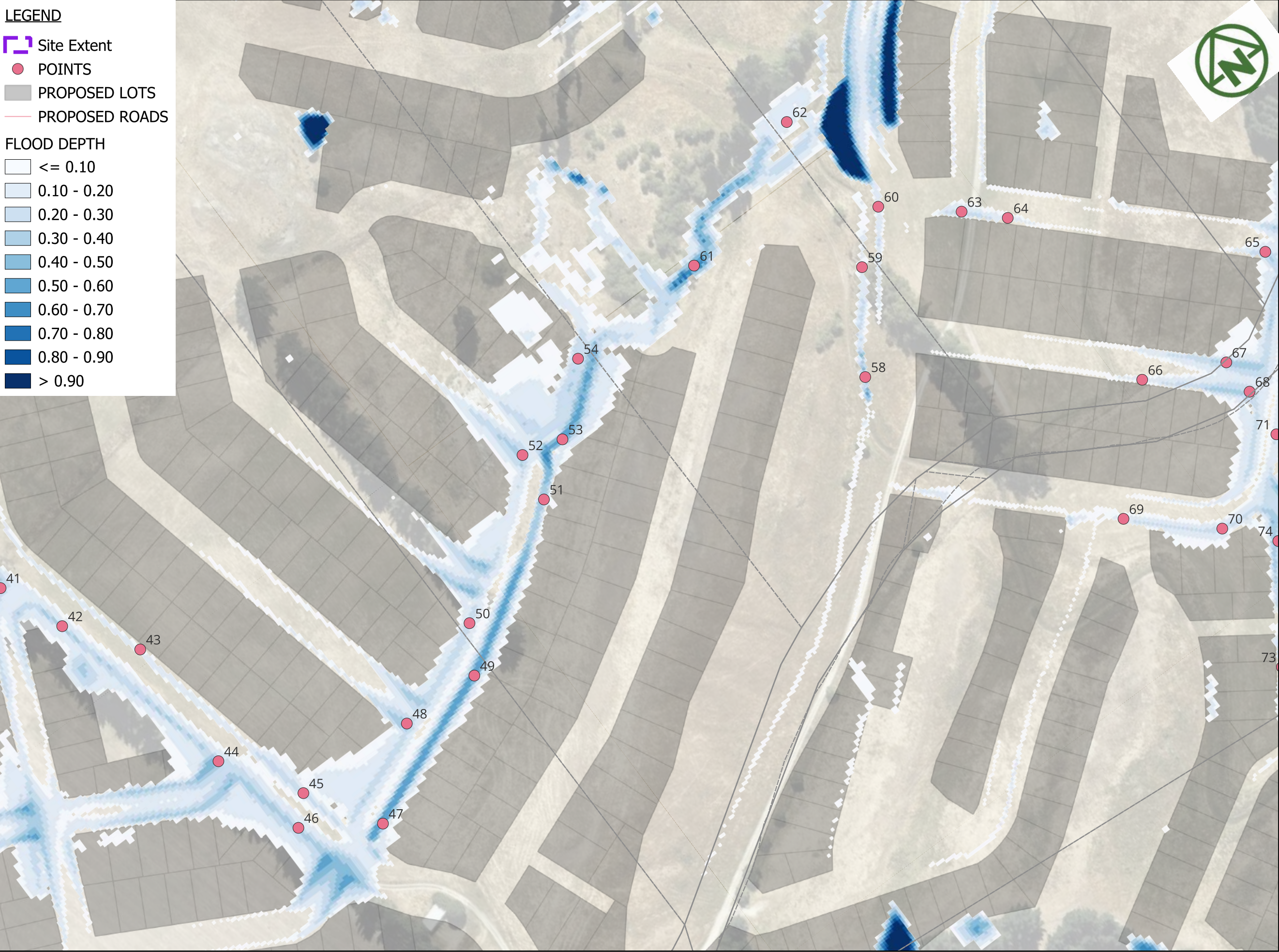
0.50 - 0.60

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	412.18	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

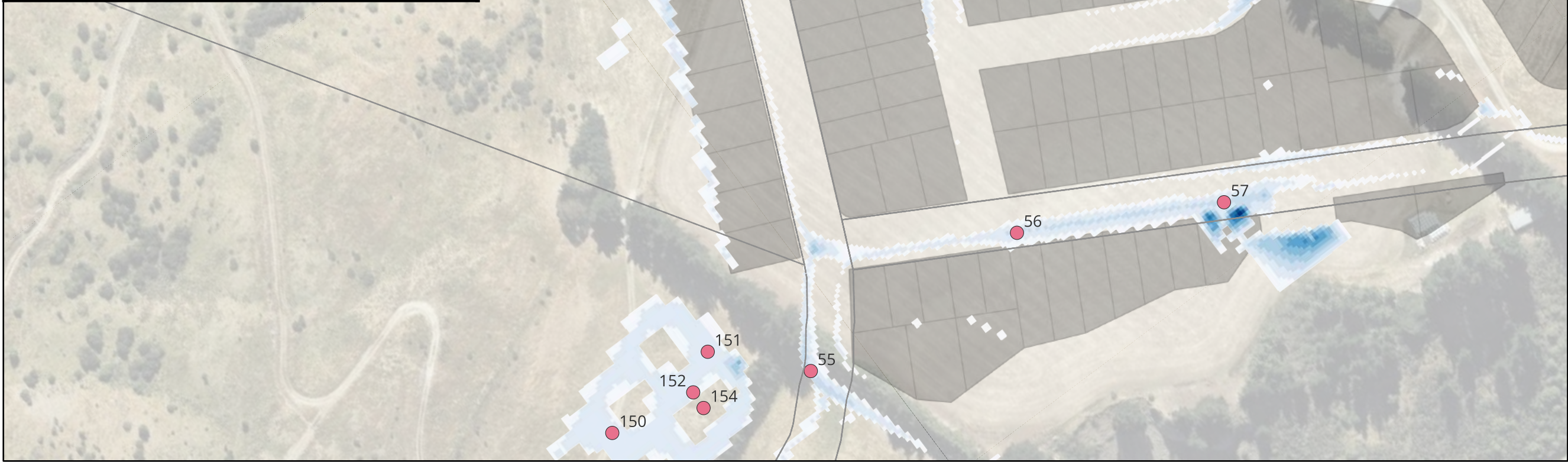
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

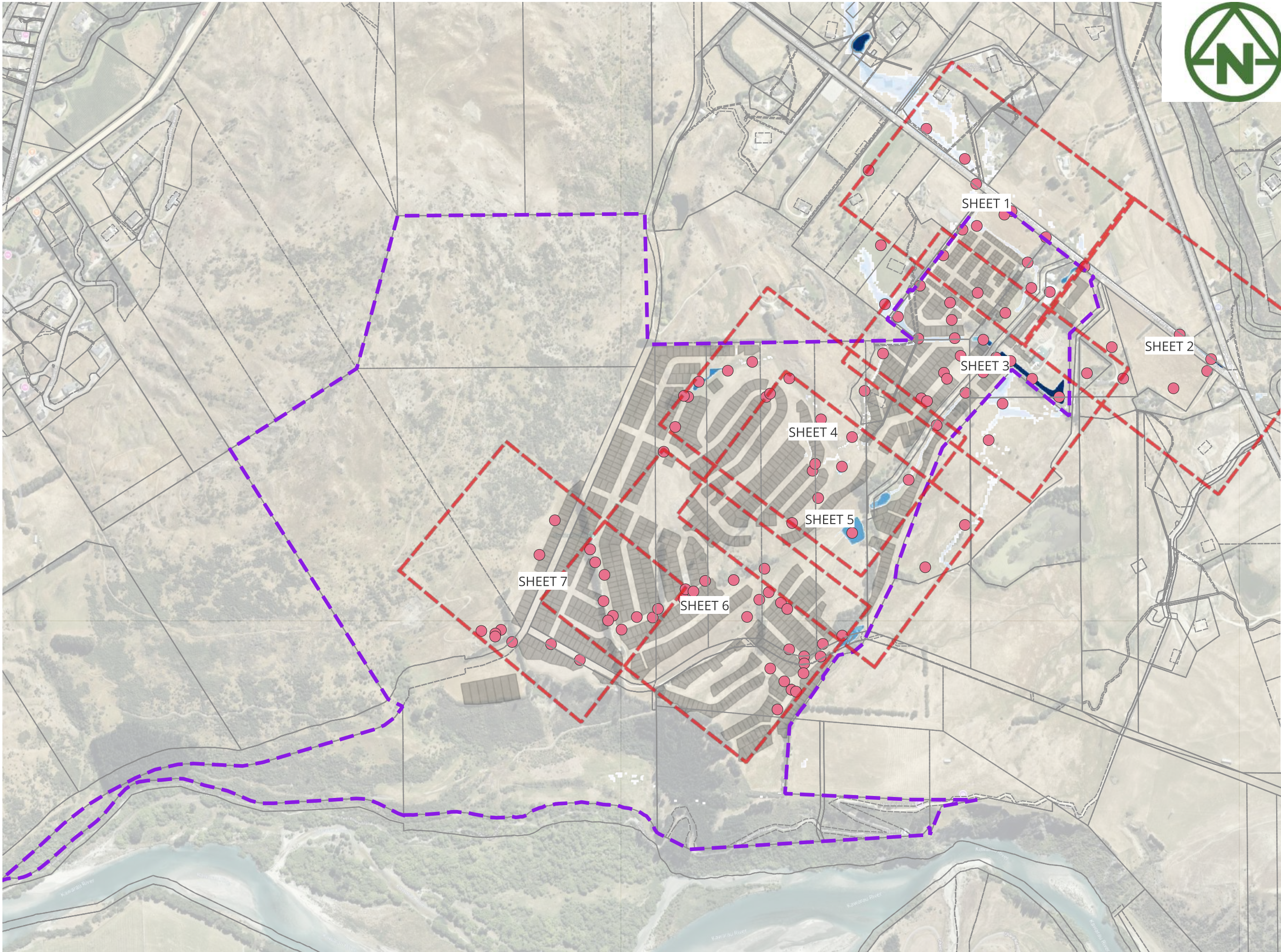
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 200 YEAR/0.5 AEP (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.		

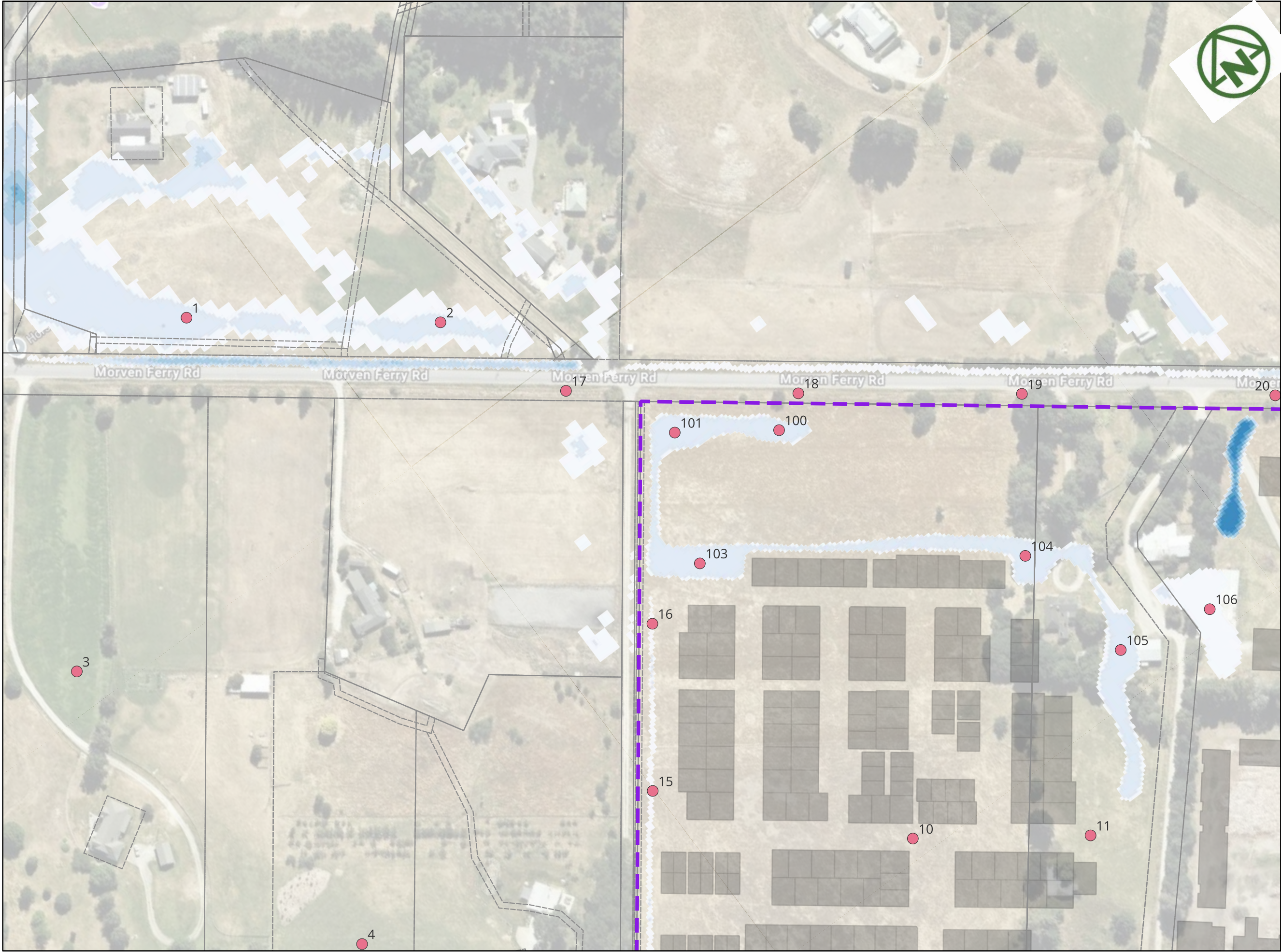


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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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