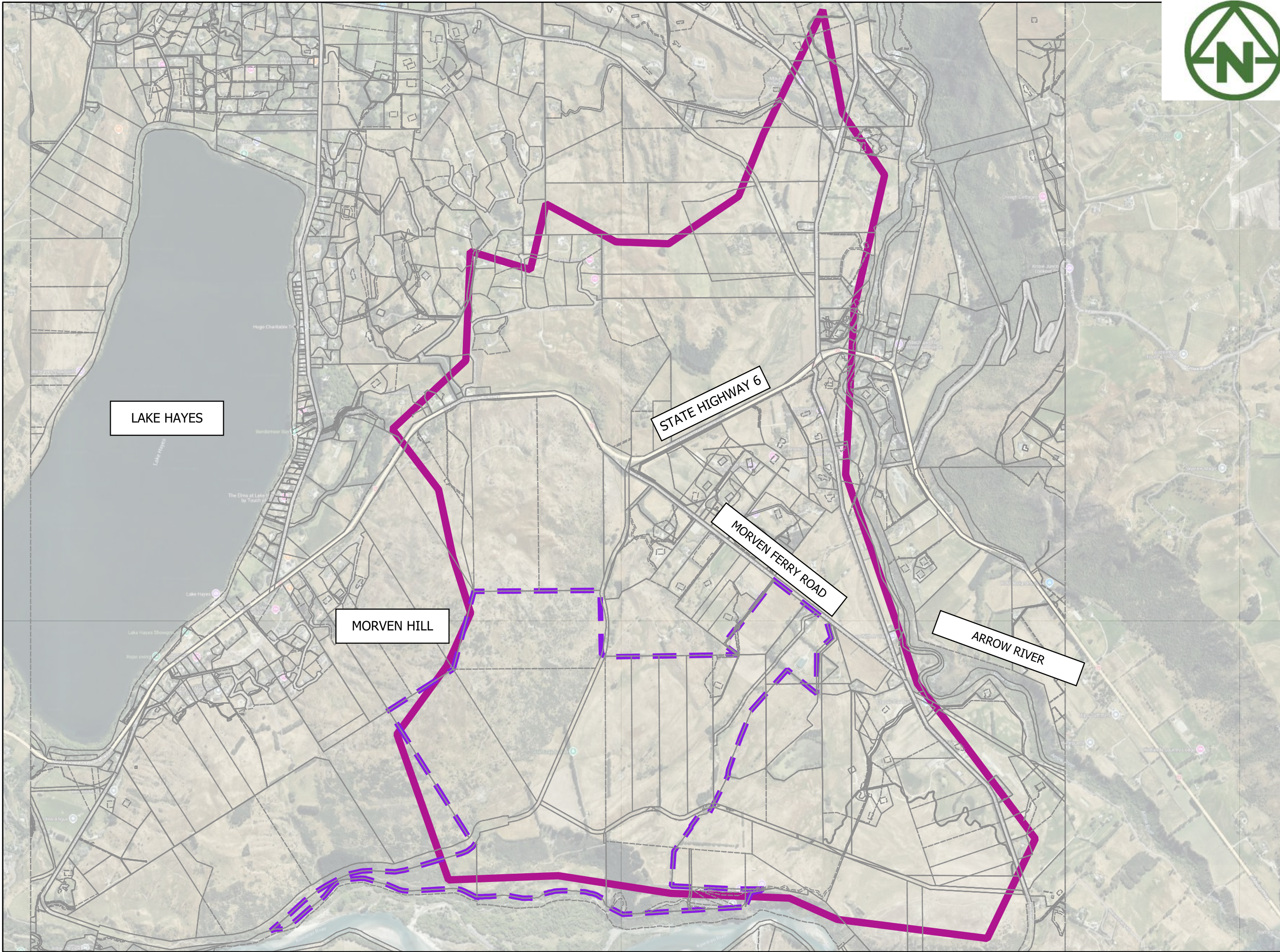




LEGEND

-  SITE EXTENT
-  MODEL EXTENT

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

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:25,500

DRAWING NO:
4048-0-4500

REV:
A

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

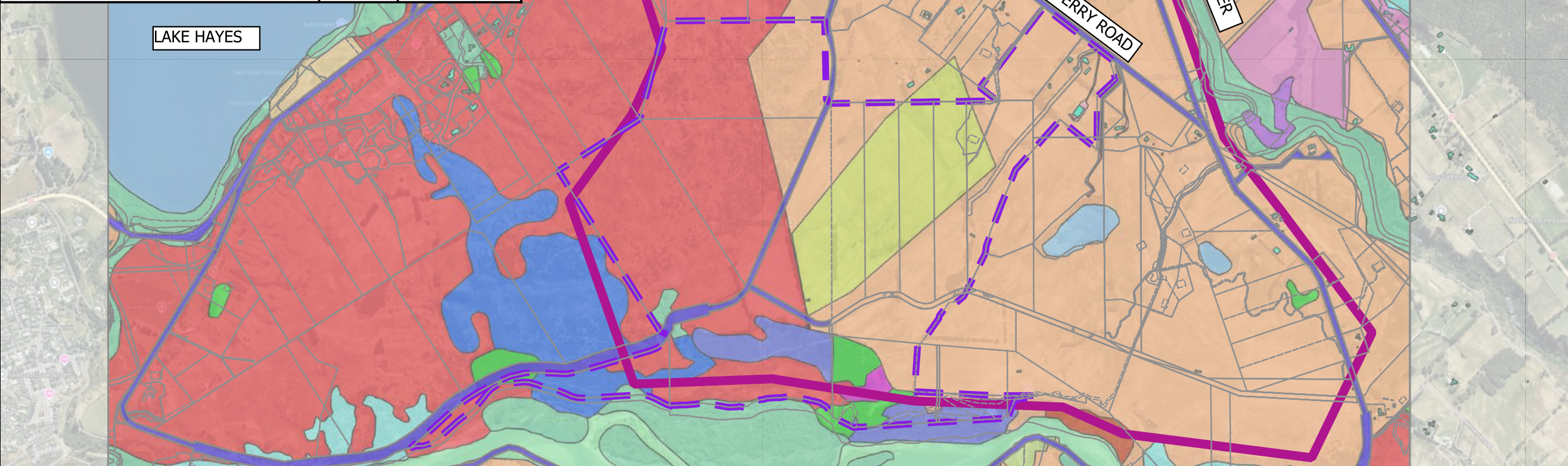


RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
PRE-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: 4048-0-4501 REV: A

CLIENT:

PROJECT:

TITLE

PURPOSE OF ISSUE

RESOURCE CONSENT

SCALE

1:25,000

DRAWING NO.

4048-0-4501

REV:

A

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
PRE-DEVELOPMENT
LAND COVER PLAN

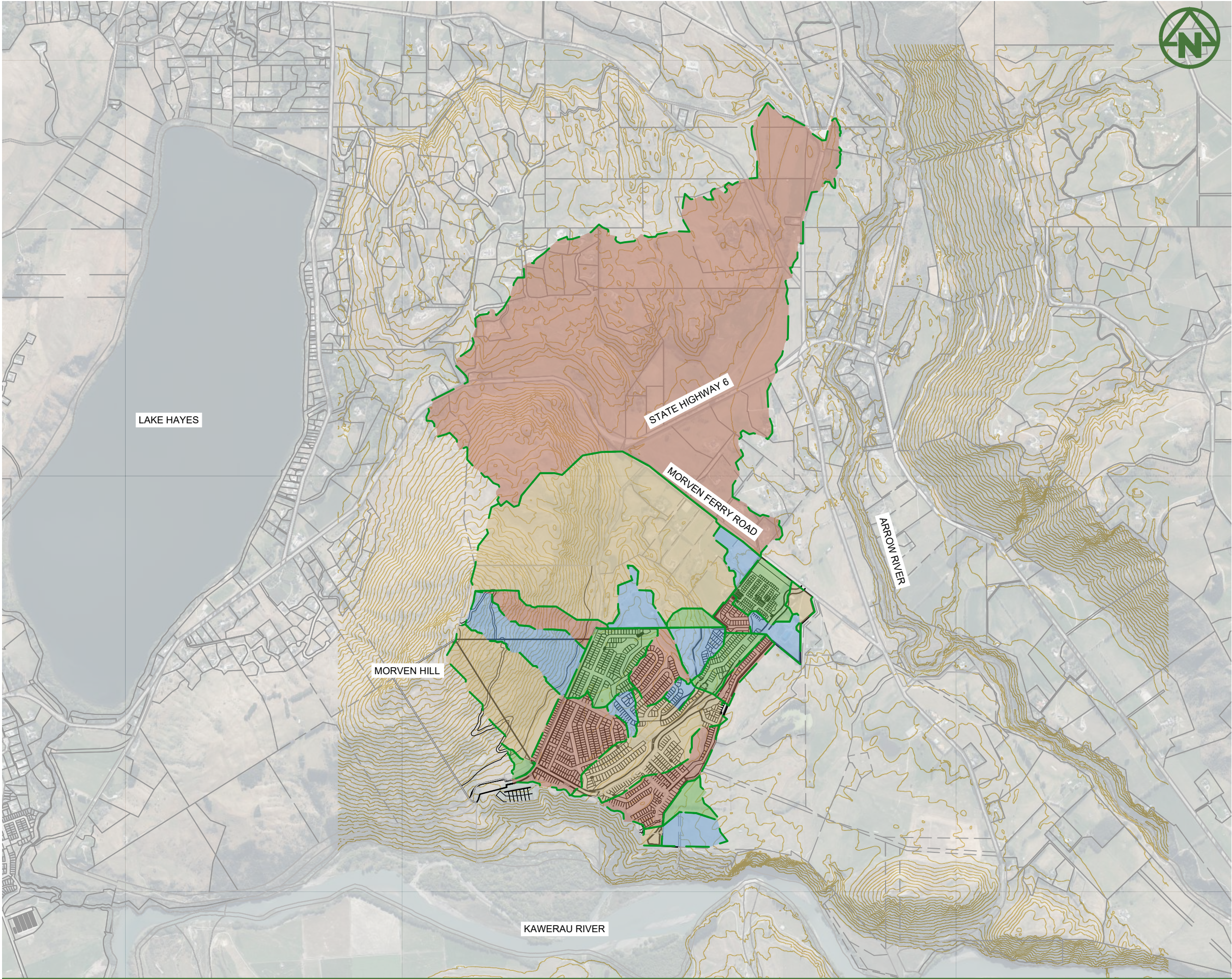
A	FIRST ISSUE	PK	SL	JK	11/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE

PILOT 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



NOTES

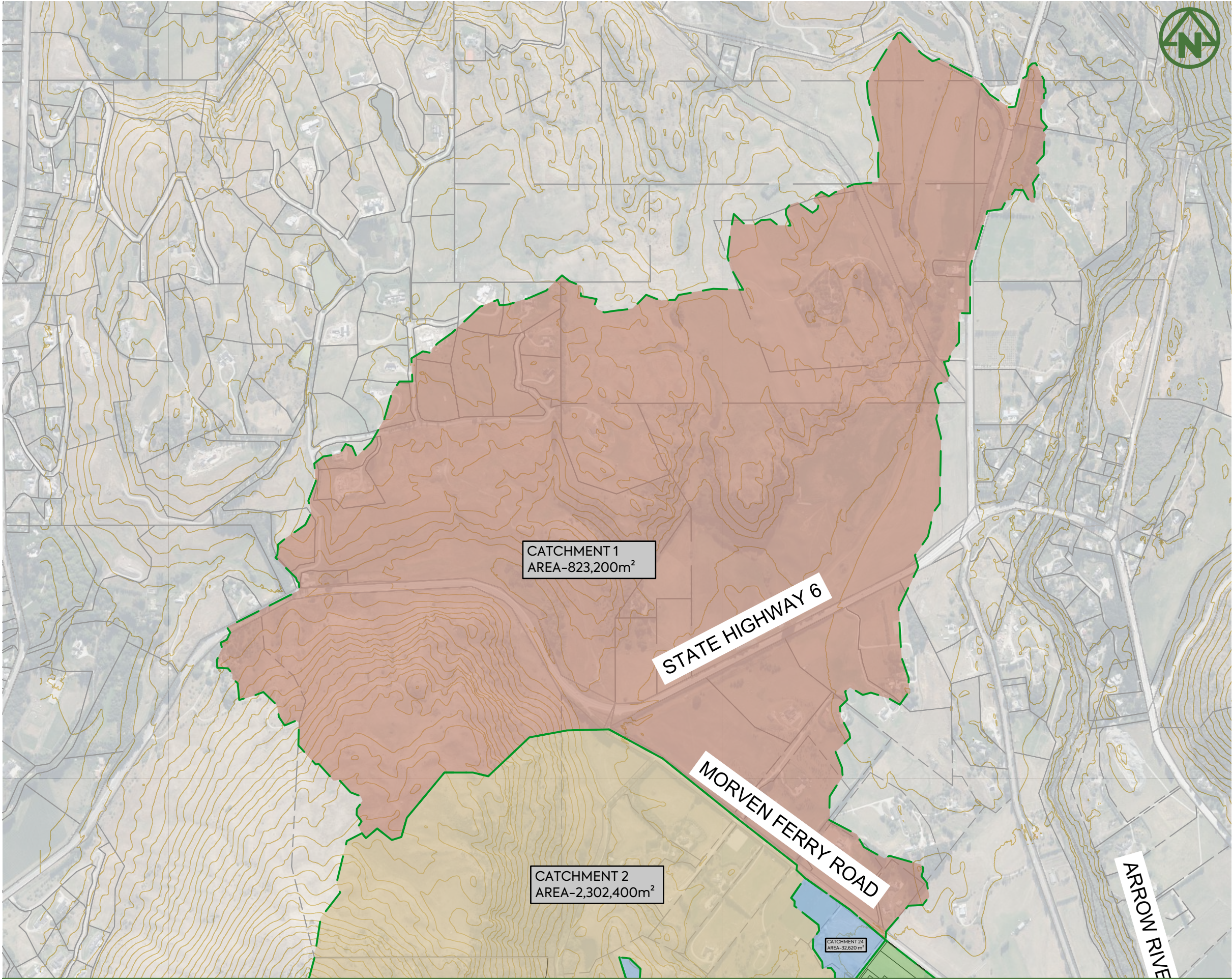
- 1. DATA RECEIVED FROM VIRIDIS ON 04/11/2025. REFER TO VIRIDIS DRAWING 10339-MAP2-3 FOR DETAILS.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
- 3. COORDINATE REFERENCE SYSTEM IS EPSG:2128 - NZGD2000 / MOUNT NICHOLAS 2000.
- 4. CATCHMENTS DELINEATED IN QGIS WERE USED TO COMPUTE EXISTING WETLAND FLOWS FOR PRE- AND POST-DEVELOPMENT USING TP108 HYDROLOGY PARAMETERS MODELLED IN HEC-HMS.

LEGEND:

SITE BOUNDARY	
PROPOSED PRE-DEVELOPMENT CATCHMENT BOUNDARY	
EXISTING CONTOUR (1.0m)	
CATCHMENT AREAS	

CLIENT:	PROJECT:	TITLE:	PURPOSE OF ISSUE:
RIDGEBURN LTD	RIDGEBURN 122 MORVEN FERRY ROAD ARROW JUNCTION QUEENSTOWN	STORMWATER 1% AEP PRE DEVELOPMENT OVERLAND FLOW PATH CATCHMENT PLAN - OVERALL	FOR INFORMATION
			SCALE: 1:20000m @ A3 DO NOT SCALE
			DRAWING NO: 4048-0-4502
			REV: A

A	FIRST ISSUE	TDW	TDW	12/02/26	
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



NOTES

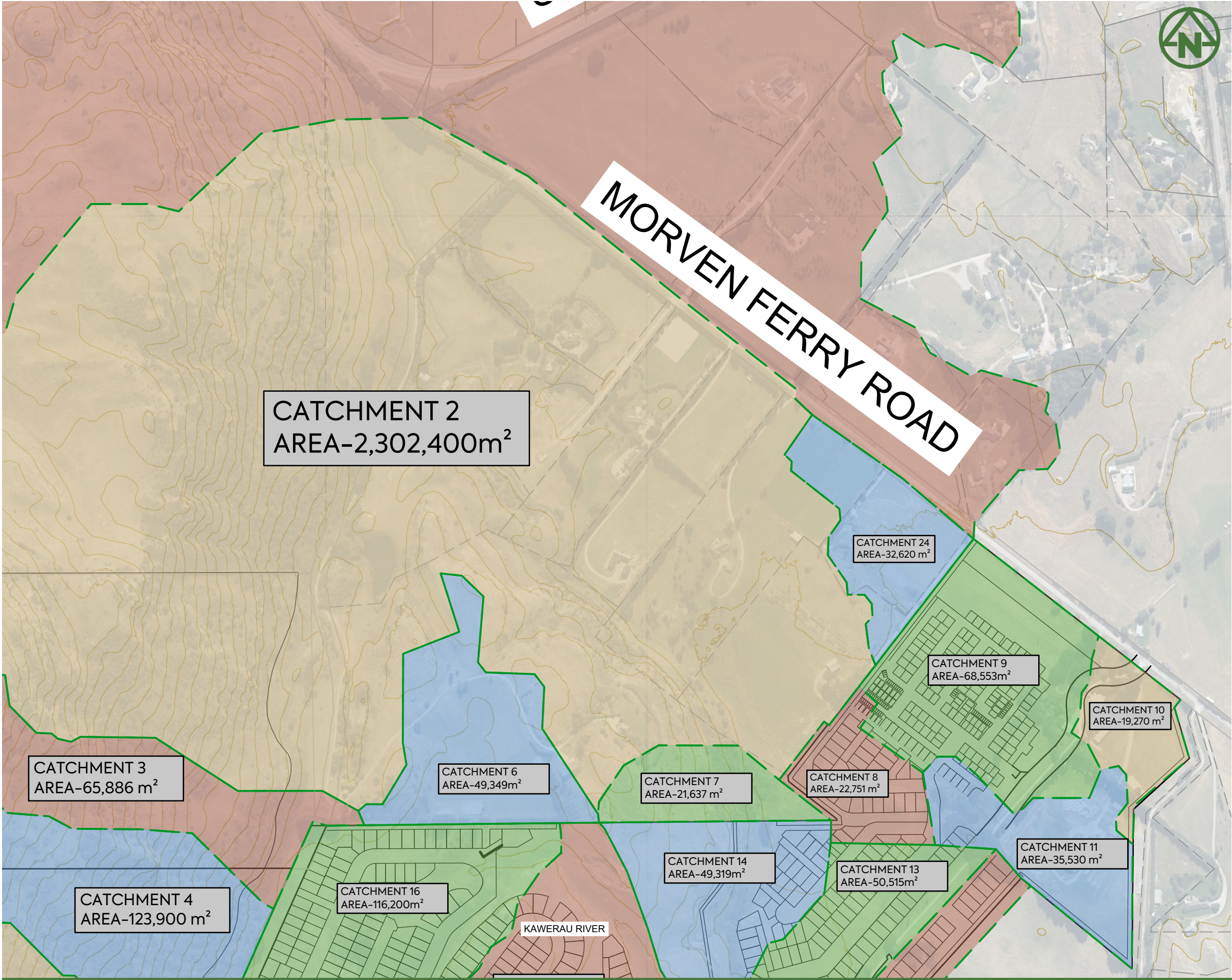
- 1. DATA RECEIVED FROM VIRIDIS ON 04/11/2025. REFER TO VIRIDIS DRAWING 10339-MAP2-3 FOR DETAILS.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
- 3. COORDINATE REFERENCE SYSTEM IS EPSG:2128 - NZGD2000 / MOUNT NICHOLAS 2000.
- 4. CATCHMENTS DELINEATED IN QGIS WERE USED TO COMPUTE EXISTING WETLAND FLOWS FOR PRE- AND POST-DEVELOPMENT USING TP108 HYDROLOGY PARAMETERS MODELLED IN HEC-HMS.

LEGEND:

SITE BOUNDARY	
PROPOSED PRE-DEVELOPMENT CATCHMENT BOUNDARY	
EXISTING CONTOUR (1.0m)	
CATCHMENT AREAS	

CLIENT:	RIDGEBURN LTD	PROJECT:	RIDGEBURN 122 MORVEN FERRY ROAD ARROW JUNCTION QUEENSTOWN	TITLE:	STORMWATER 1% AEP PRE DEVELOPMENT OVERLAND FLOW PATH CATCHMENT PLAN - SHEET 1	PURPOSE OF ISSUE:	FOR INFORMATION
						SCALE:	1:10000m @ A3
						DO NOT SCALE	
						DRAWING NO:	4048-0-4503
						REV:	A

A	FIRST ISSUE	TDW	TDW	12/02/26	
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



NOTES

- 1. DATA RECEIVED FROM VIRIDIS ON 04/11/2025. REFER TO VIRIDIS DRAWING 10339-MAP2-3 FOR DETAILS.
- 2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
- 3. COORDINATE REFERENCE SYSTEM IS EPSG:2128 - NZGD2000 / MOUNT NICHOLAS 2000.
- 4. CATCHMENTS DELINEATED IN QGIS WERE USED TO COMPUTE EXISTING WETLAND FLOWS FOR PRE- AND POST-DEVELOPMENT USING TP108 HYDROLOGY PARAMETERS MODELLED IN HEC-HMS.

LEGEND:

SITE BOUNDARY	
PROPOSED PRE-DEVELOPMENT CATCHMENT BOUNDARY	
EXISTING CONTOUR (1.0m)	
CATCHMENT AREAS	

CATCHMENT 3
AREA-65,886 m²

CATCHMENT 4
AREA-123,900 m²

CATCHMENT 2
AREA-2,302,400m²

CATCHMENT 6
AREA-49,349m²

CATCHMENT 16
AREA-116,200m²

CATCHMENT 7
AREA-21,637 m²

CATCHMENT 14
AREA-49,319m²

CATCHMENT 8
AREA-22,751 m²

CATCHMENT 13
AREA-50,515m²

CATCHMENT 24
AREA-32,620 m²

CATCHMENT 9
AREA-68,553m²

CATCHMENT 10
AREA-19,270 m²

CATCHMENT 11
AREA-35,530 m²

KAWERAU RIVER

MORVEN FERRY ROAD



MCKENZIE & CO.

CLIENT: RIDGEBURN LTD

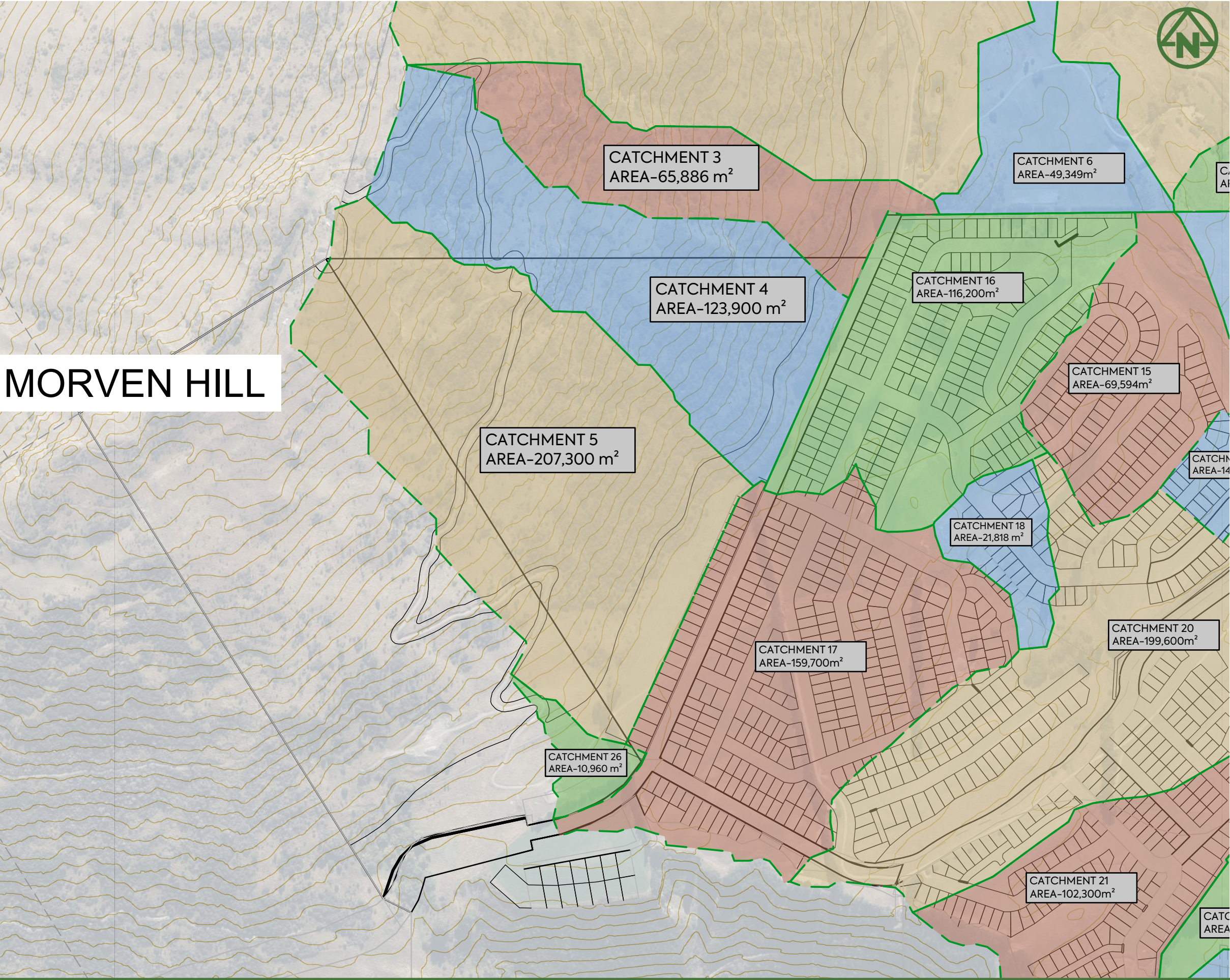
PROJECT: RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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

PURPOSE OF ISSUE: RESOURCE CONSENT

SCALE: 1:5000m @ A3
DO NOT SCALE
DRAWING NO: 4048-0-4504
REV: A

A	FIRST ISSUE	TDW	TDW	12/02/26	
REV	DESCRIPTION	DRN BY	CHK BY	APP BY	DATE



MORVEN HILL

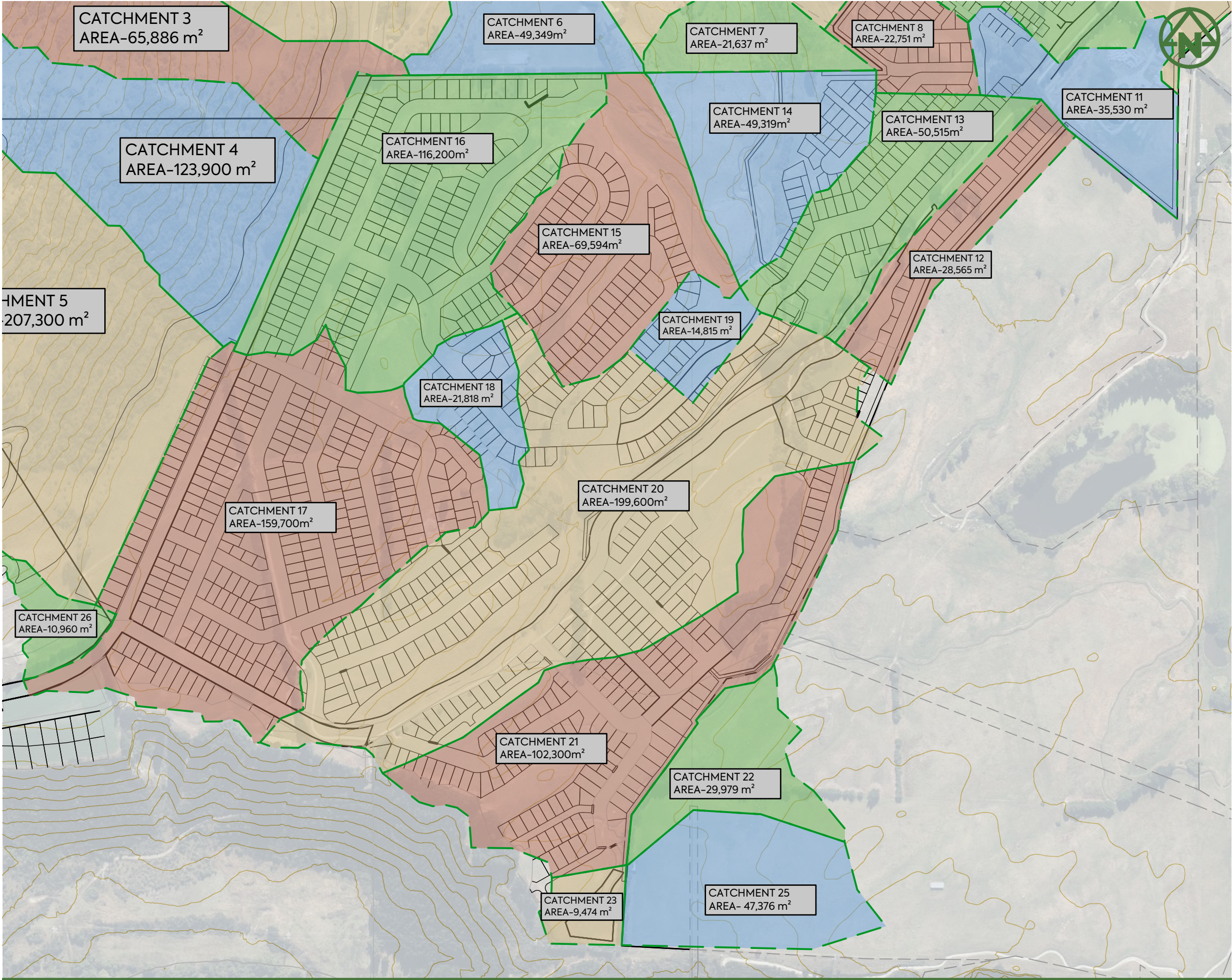
NOTES

1. DATA RECEIVED FROM VIRIDIS ON 04/11/2025. REFER TO VIRIDIS DRAWING 10339-MAP2-3 FOR DETAILS.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
3. COORDINATE REFERENCE SYSTEM IS EPSG:2128 - NZGD2000 / MOUNT NICHOLAS 2000.
4. CATCHMENTS DELINEATED IN QGIS WERE USED TO COMPUTE EXISTING WETLAND FLOWS FOR PRE- AND POST-DEVELOPMENT USING TP108 HYDROLOGY PARAMETERS MODELLED IN HEC-HMS.

LEGEND:

SITE BOUNDARY	
PROPOSED PRE-DEVELOPMENT CATCHMENT BOUNDARY	
EXISTING CONTOUR (1.0m)	
CATCHMENT AREAS	

CLIENT:		PROJECT:		TITLE:		PURPOSE OF ISSUE:	
RIDGEBURN LTD		RIDGEBURN 122 MORVEN FERRY ROAD ARROW JUNCTION QUEENSTOWN		STORMWATER 1% AEP PRE DEVELOPMENT OVERLAND FLOW PATH CATCHMENT PLAN-SHEET 3		RESOURCE CONSENT	
MCKENZIE & CO.						SCALE: 1:5000m @ A3 DO NOT SCALE	
A FIRST ISSUE		TDW TDW 12/02/26				DRAWING NO: 4048-0-4505	
REV DESCRIPTION		DRN BY CHK BY APP BY DATE				REV: A	



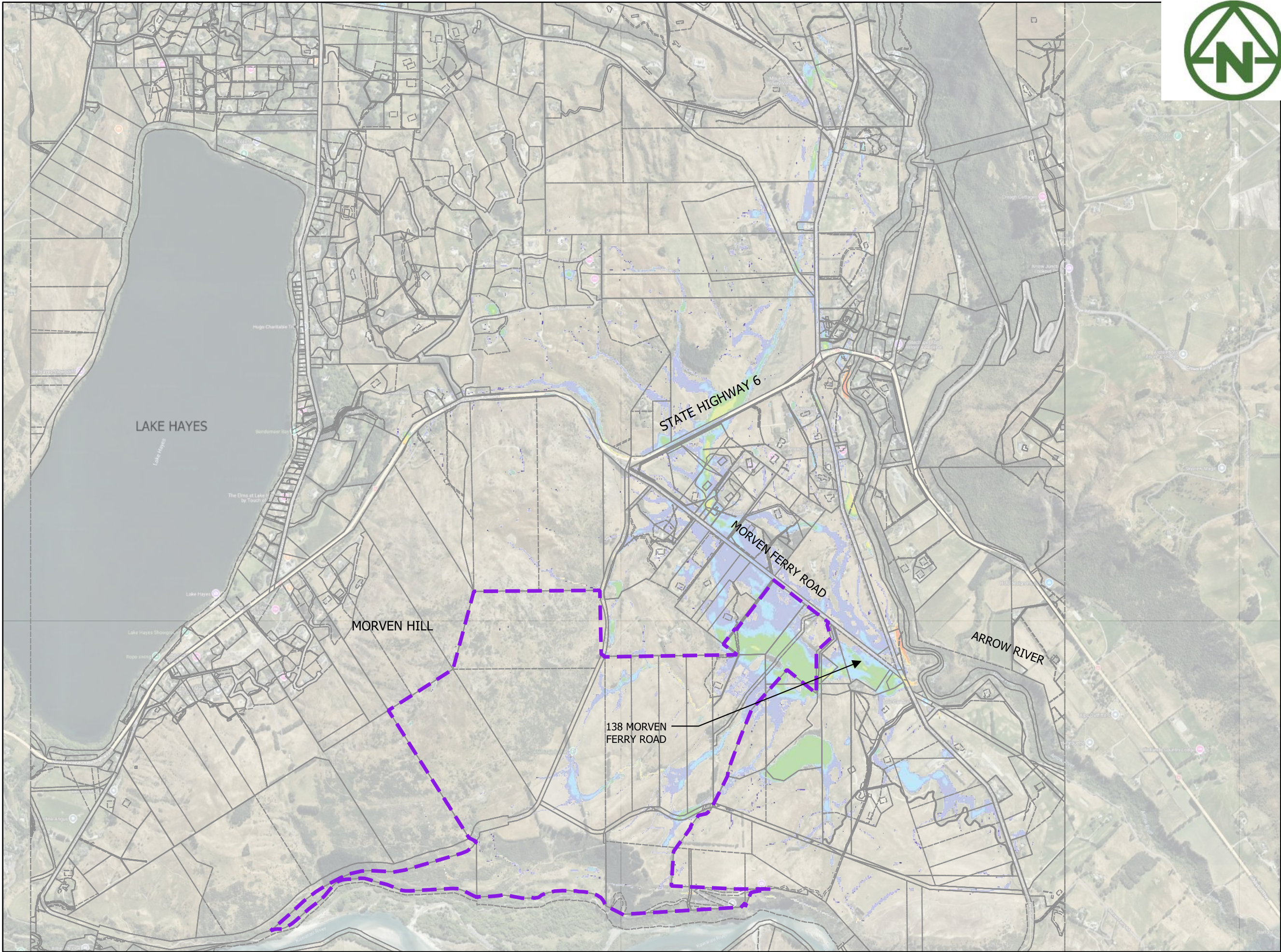
NOTES

1. DATA RECEIVED FROM VIRIDIS ON 04/11/2025. REFER TO VIRIDIS DRAWING 10339-MAP2-3 FOR DETAILS.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE ENGINEERING INFRASTRUCTURE AND SERVICING REPORT.
3. COORDINATE REFERENCE SYSTEM IS EPSG:2128 - NZGD2000 / MOUNT NICHOLAS 2000.
4. CATCHMENTS DELINEATED IN QGIS WERE USED TO COMPUTE EXISTING WETLAND FLOWS FOR PRE- AND POST-DEVELOPMENT USING TP108 HYDROLOGY PARAMETERS MODELLED IN HEC-HMS.

LEGEND:

SITE BOUNDARY	
PROPOSED PRE-DEVELOPMENT CATCHMENT BOUNDARY	
EXISTING CONTOUR (1.0m)	
CATCHMENT AREAS	

CLIENT: RIDGEBURN LTD				PROJECT: RIDGEBURN 122 MORVEN FERRY ROAD ARROW JUNCTION QUEENSTOWN		TITLE: STORMWATER 1% AEP PRE DEVELOPMENT OVERLAND FLOW PATH CATCHMENT PLAN-SHEET 4		PURPOSE OF ISSUE: RESOURCE CONSENT	
MCKENZIE & CO.				SCALE: 1:5000m @ A3 DO NOT SCALE		DRAWING NO: 4048-0-4506		REV: A	
A FIRST ISSUE				TDW TDW 12/02/26					
REV DESCRIPTION				DRN BY CHK BY APP BY DATE					



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

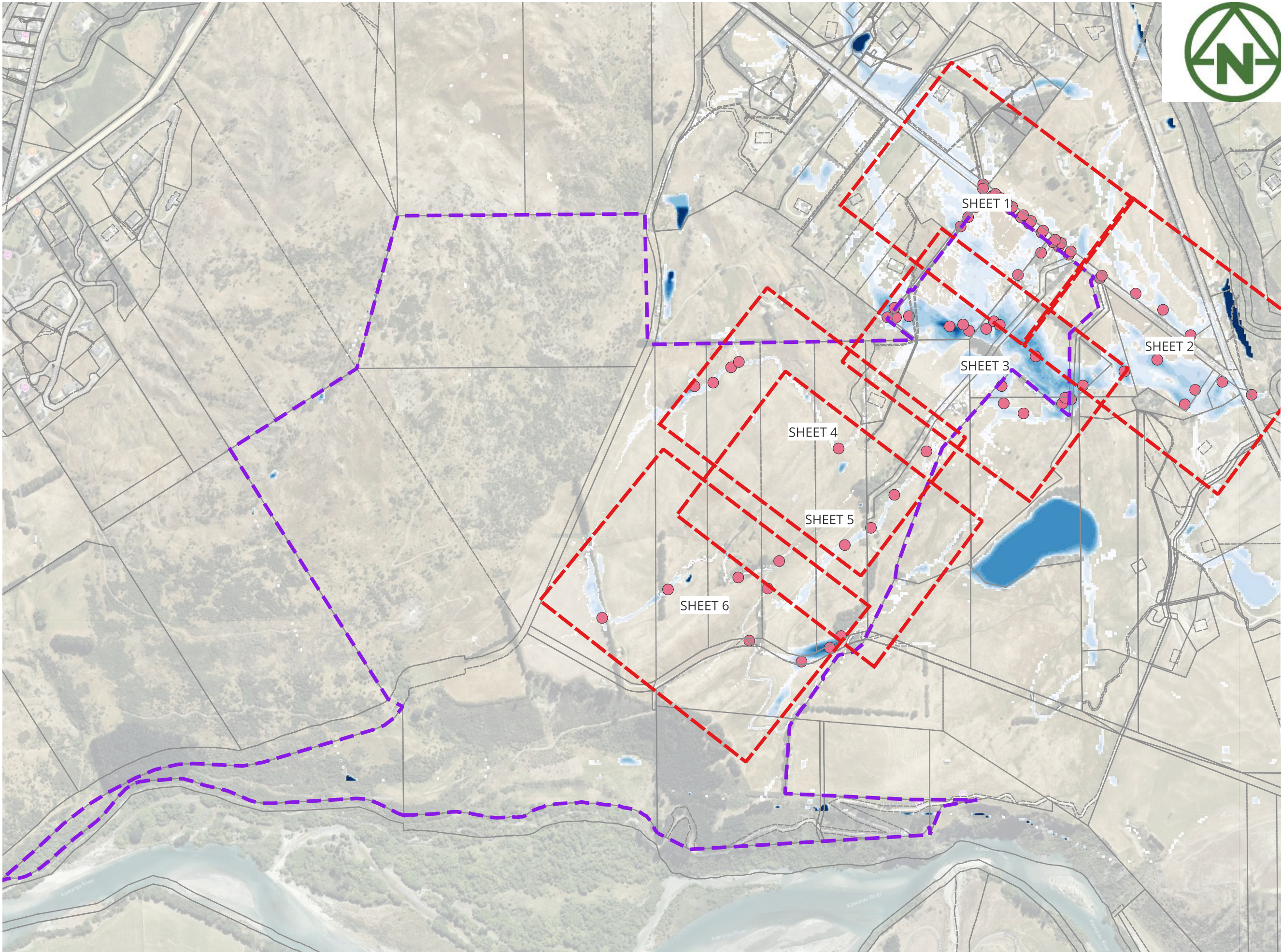
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
A	FIRST ISSUE	PK	SL	JK	11/02/2026



RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
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 -----					



MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

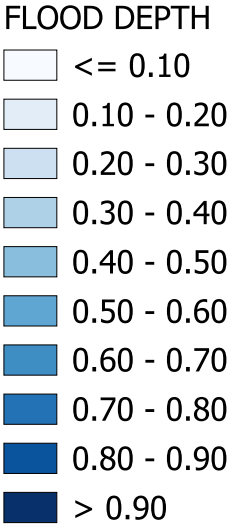
STORMWATER
FLOOD EVENT
Q 2YEAR/50AEP
PRE-DEVELOPMENT EXTENT
OVERALL

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



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: -----



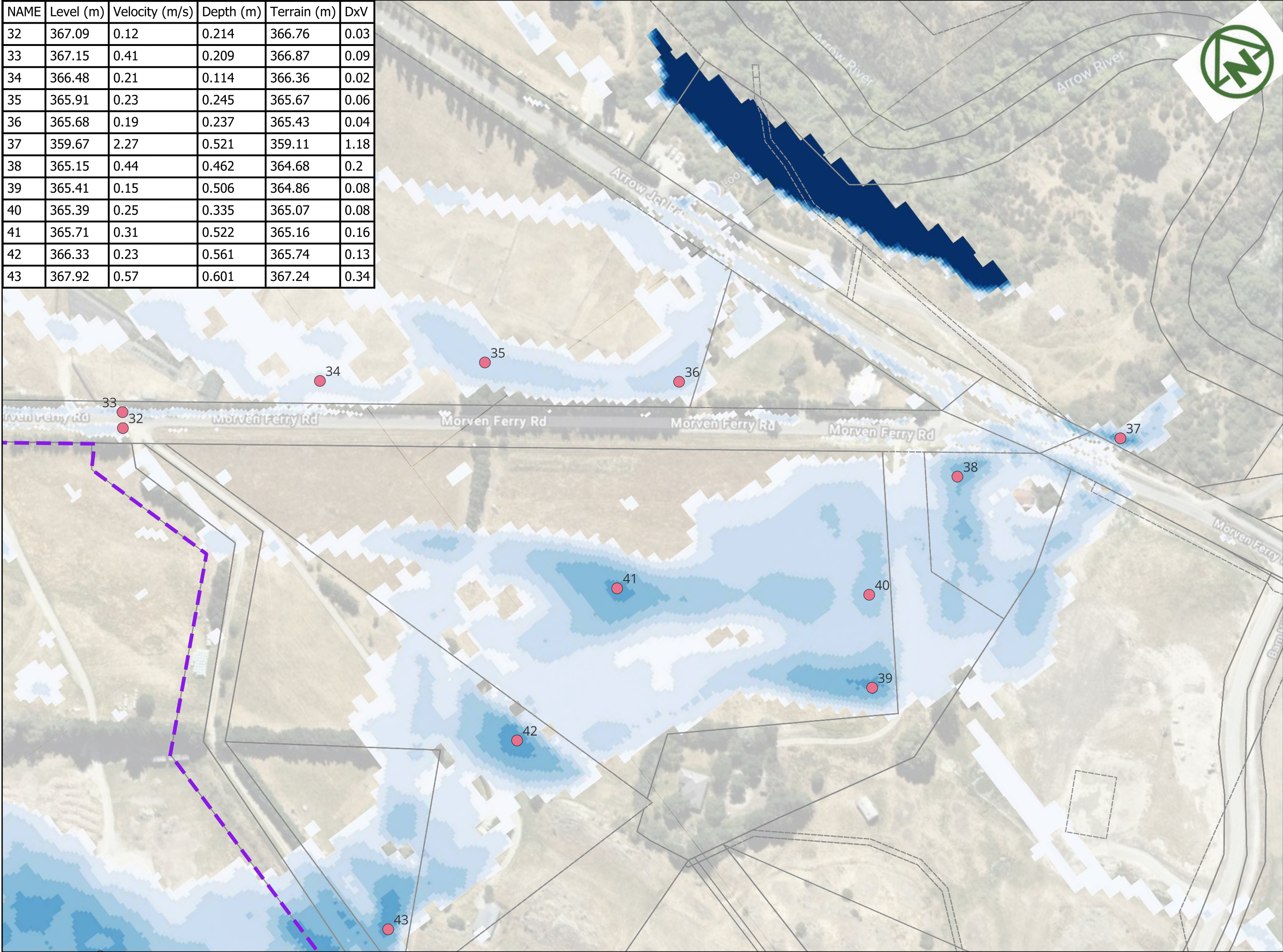
MCKENZIE & CO.

RIDGEBURN LTD

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

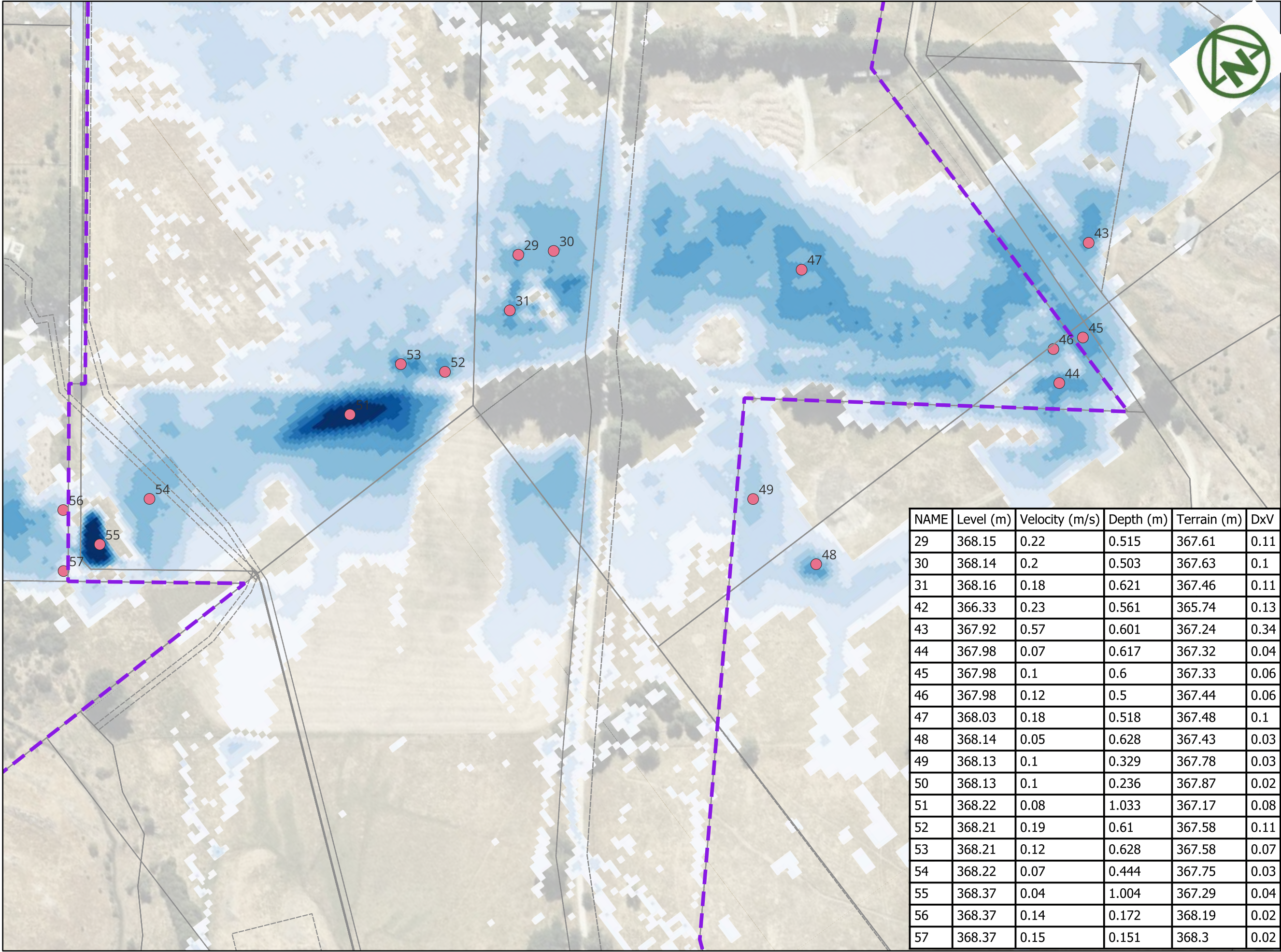
A	FIRST ISSUE	PK	SL	JK	09/02/2026
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 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	----	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.		



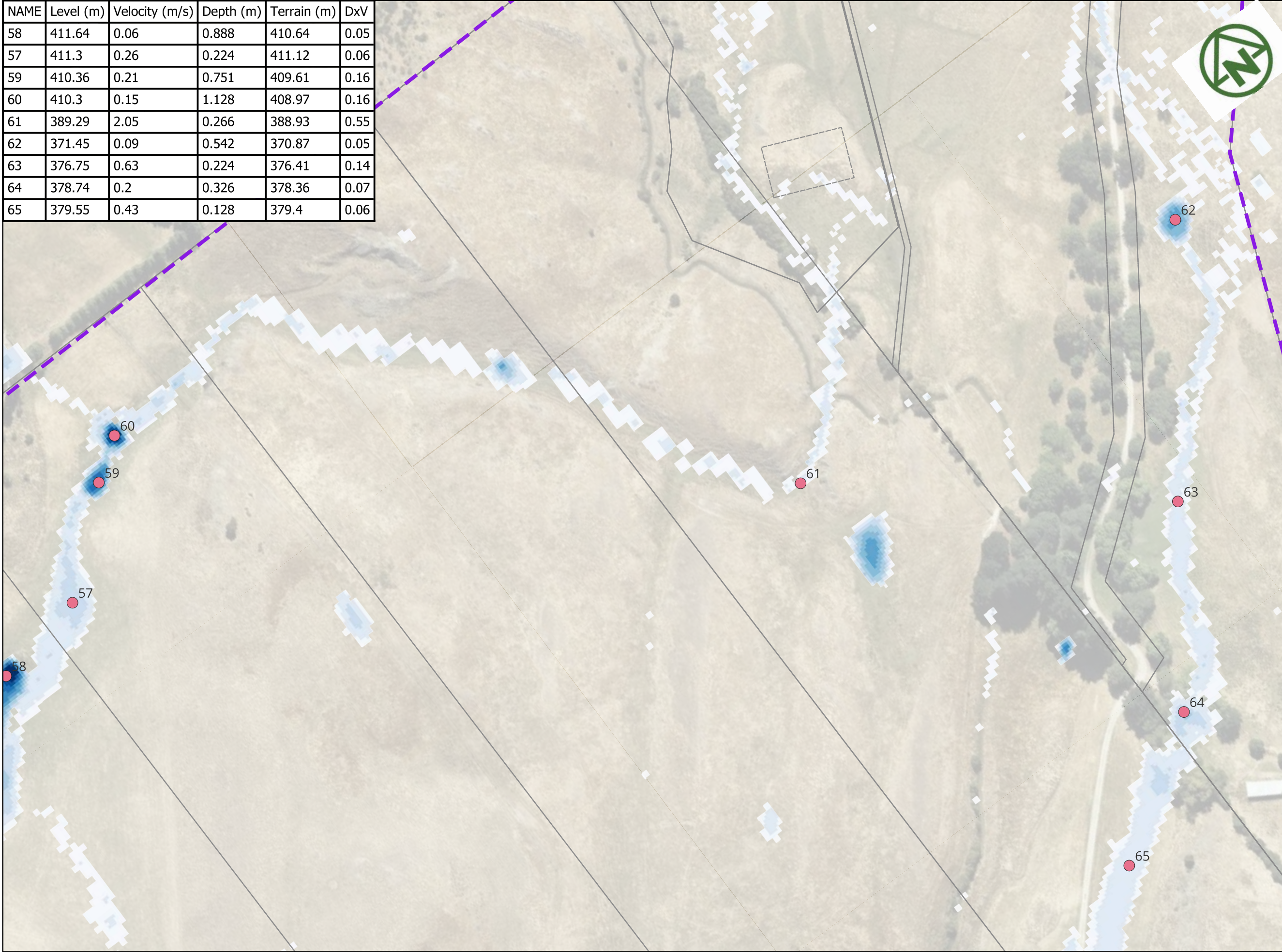
MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 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.		



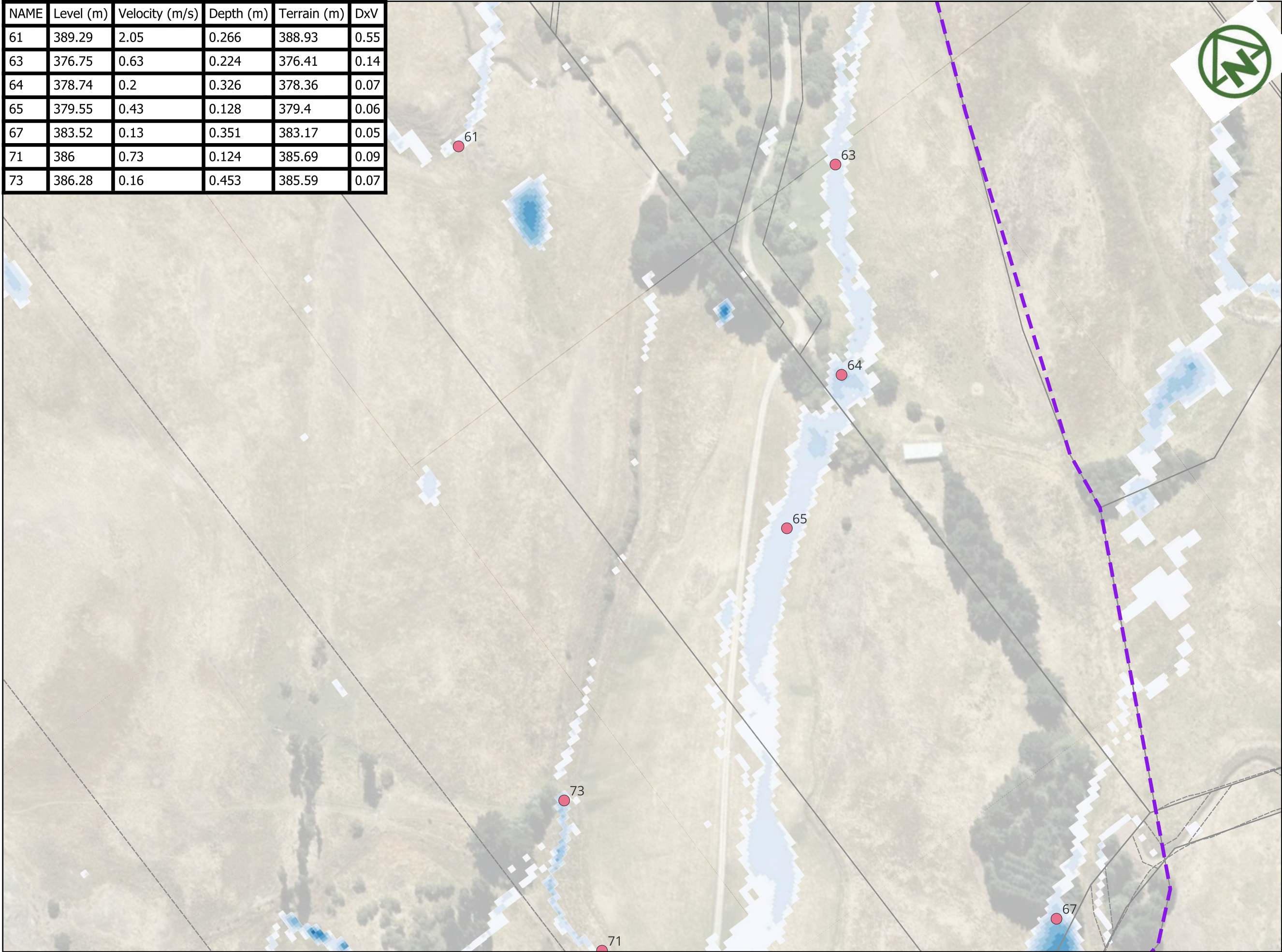
MCKENZIE & CO.

RIDGEBURN LTD

RIDGEBURN
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.		



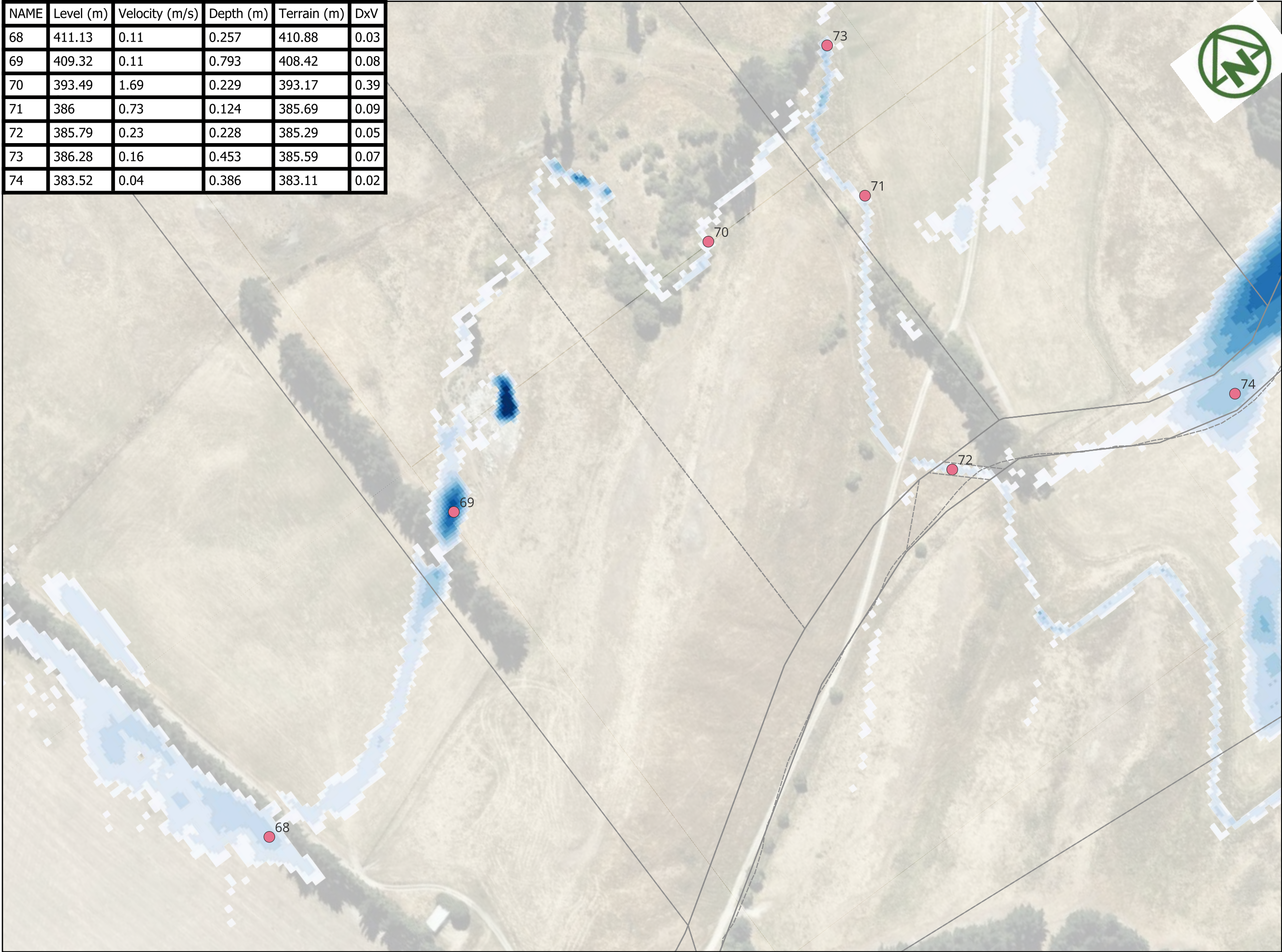
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RIDGEBURN LTD

RIDGEBURN
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.		

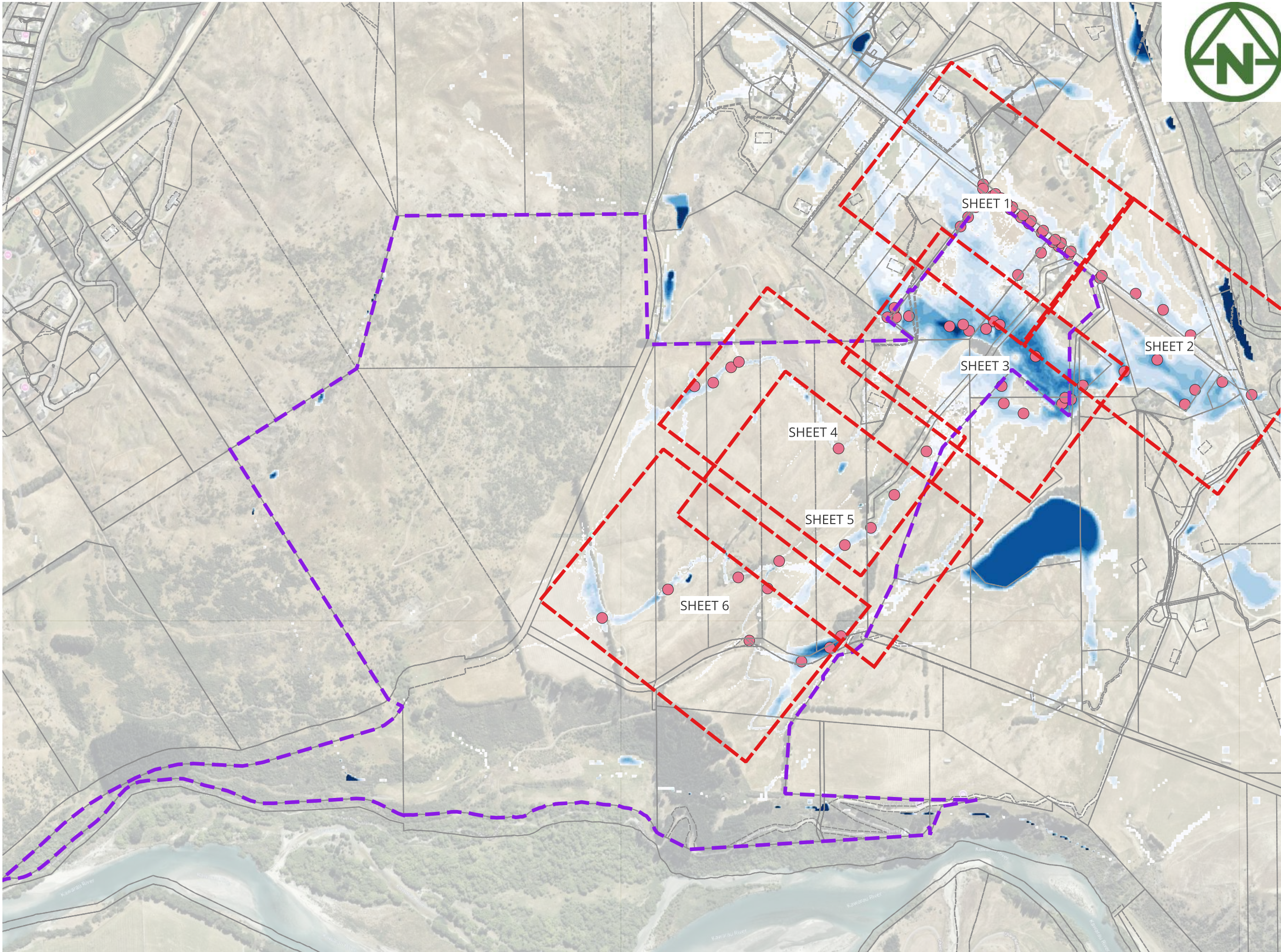


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RIDGEBURN
122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

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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RIDGEBURN
122 MORVEN FERRY ROAD
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)

PURPOSE OF ISSUE:
RESOURCE CONSENT

SCALE:
1:2,500

DRAWING NO: 4048-O-4531 REV: A

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



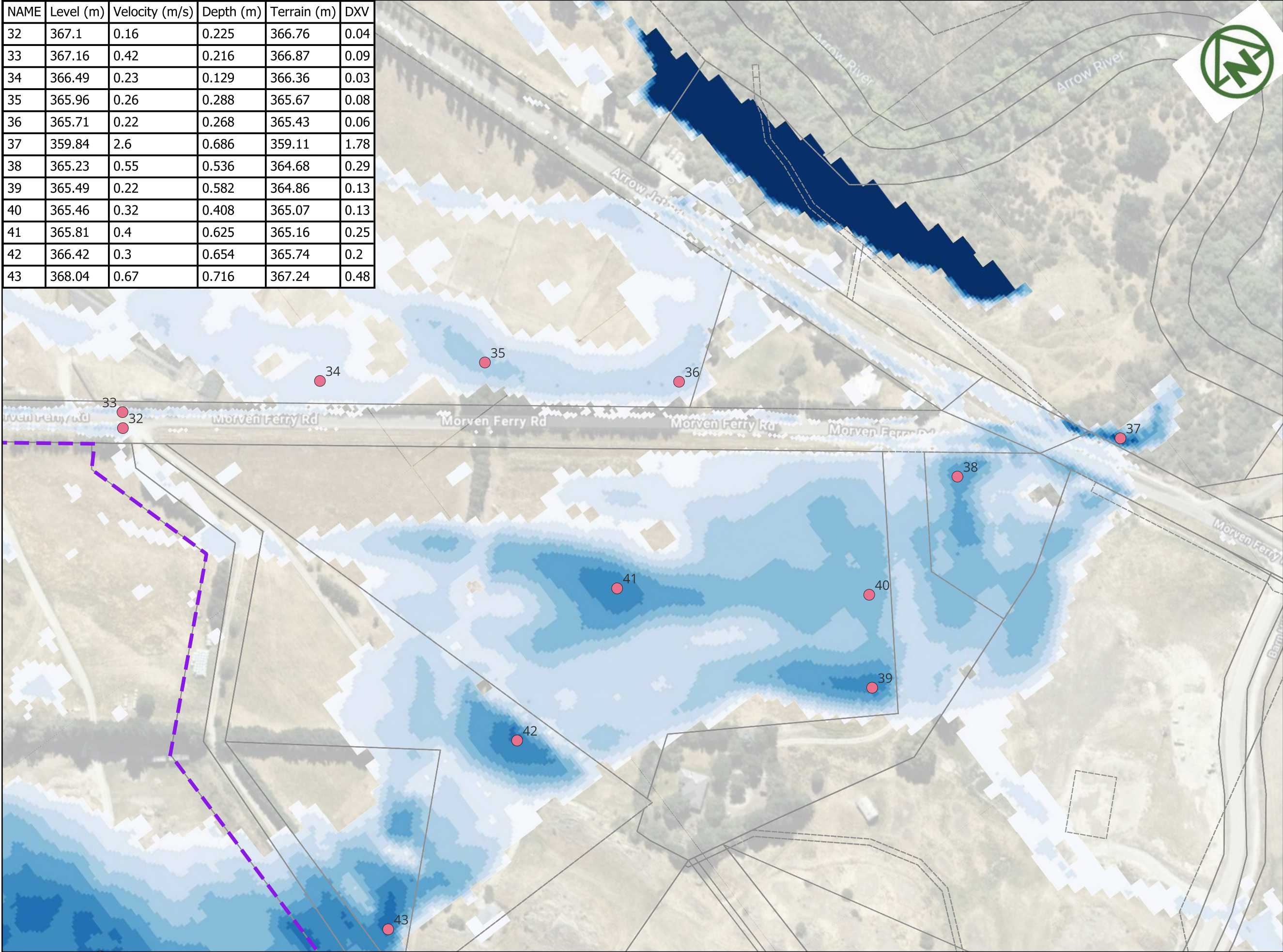
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122 MORVEN FERRY ROAD
ARROW JUNCTION
QUEENSTOWN

STORMWATER
FLOOD EVENT
Q 10YEAR/10AEP
PRE-DEVELOPMENT EXTENT
SHEET 1

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

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



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