

NOTES:
1. COMPARISON IS FOR 1% AEP STORM EVENT FOR PRE- AND POST- DEVELOPMENT SCENARIO.

LEGEND

POST VS PRE DEVELOPMENT
FLOOD COMPARISON

<= 0

0

> 0

MAP PROJECTION/ VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
C	RE-SUBMISSION	HS	-	-	22/02/25
B	MODELLING UPDATE	HS	-	-	21/07/25
A	FIRST ISSUE	HS	-	-	16/01/2025

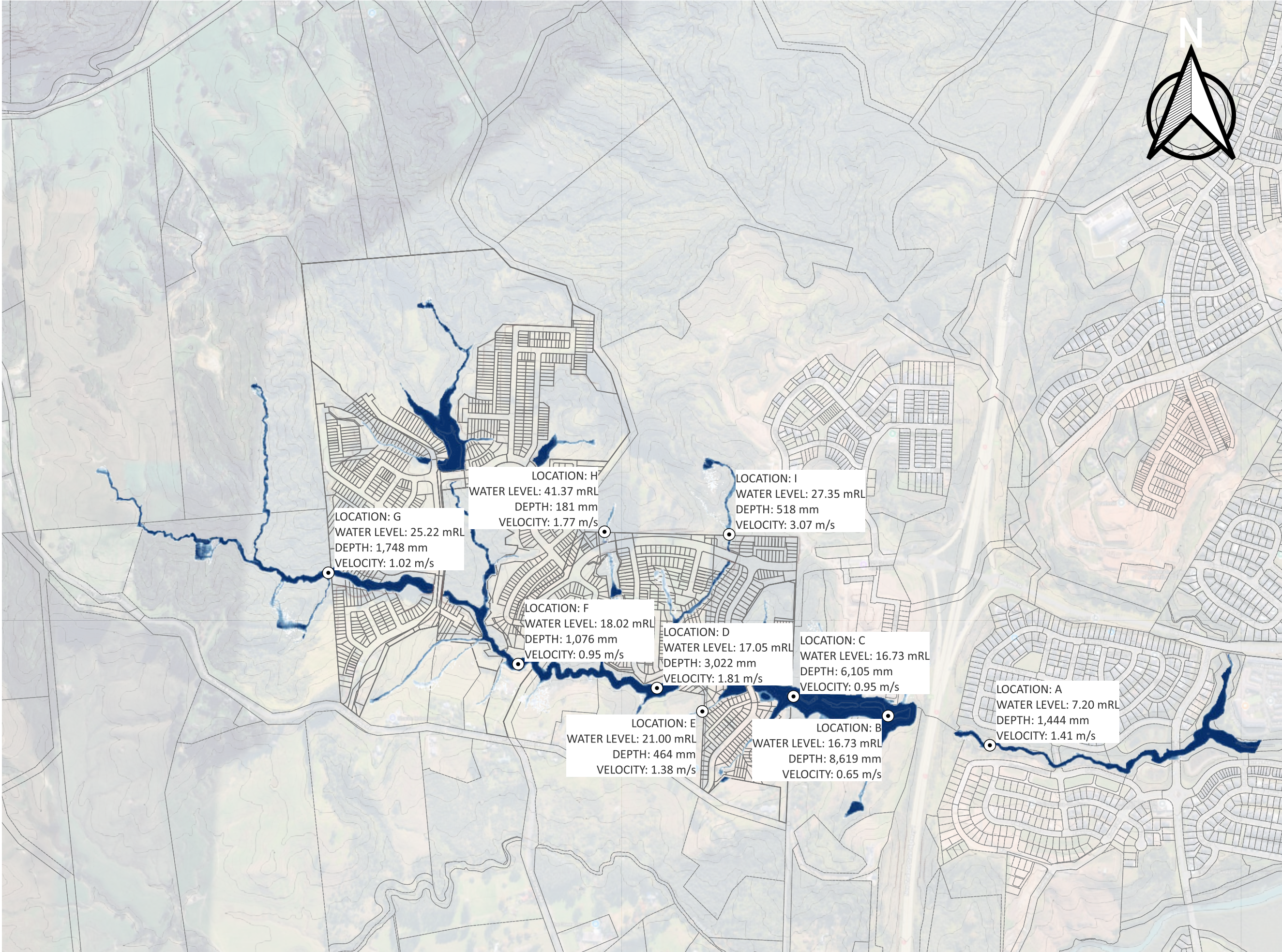


VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
FLOOD ASSESSMENT
1% AEP POST VS PRE DEVELOPMENT
COMPARISON PLAN

PURPOSE OF ISSUE:	FOR CONSENT
SCALE:	1:10,000
DRAWING NO:	3725-0-4502
REV:	C



- NOTES:
- 1. SCENARIO ID IS D_MPD38CC001AEPTWBBASE_PDT.
 - 2. 1% AEP SCENARIO, WITH 3.8 DEGREE CLIMATE CHANGE, LAND USE IS MAXIMUM PROBABLE DEVELOPMENT WITHIN THE DELMORE SITE, EXISTING OUTSIDE THE DEVELOPMENT SITE.
 - 3. COMPARISON AGAINST EXISTING DEVELOPMENT (EXD38CC001AEPTWBBASE_EXT, SCENARIO 8) IS SHOWN ON PLAN 4503.
 - 4. CONTOUR INTERVAL IS 2.5m

LEGEND:

MAP PROJECTION/ VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4503

REV: C

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
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B	MODELLING UPDATE	HS	-	-	27/01/25
A	FIRST ISSUE	HS	-	-	16/01/2025

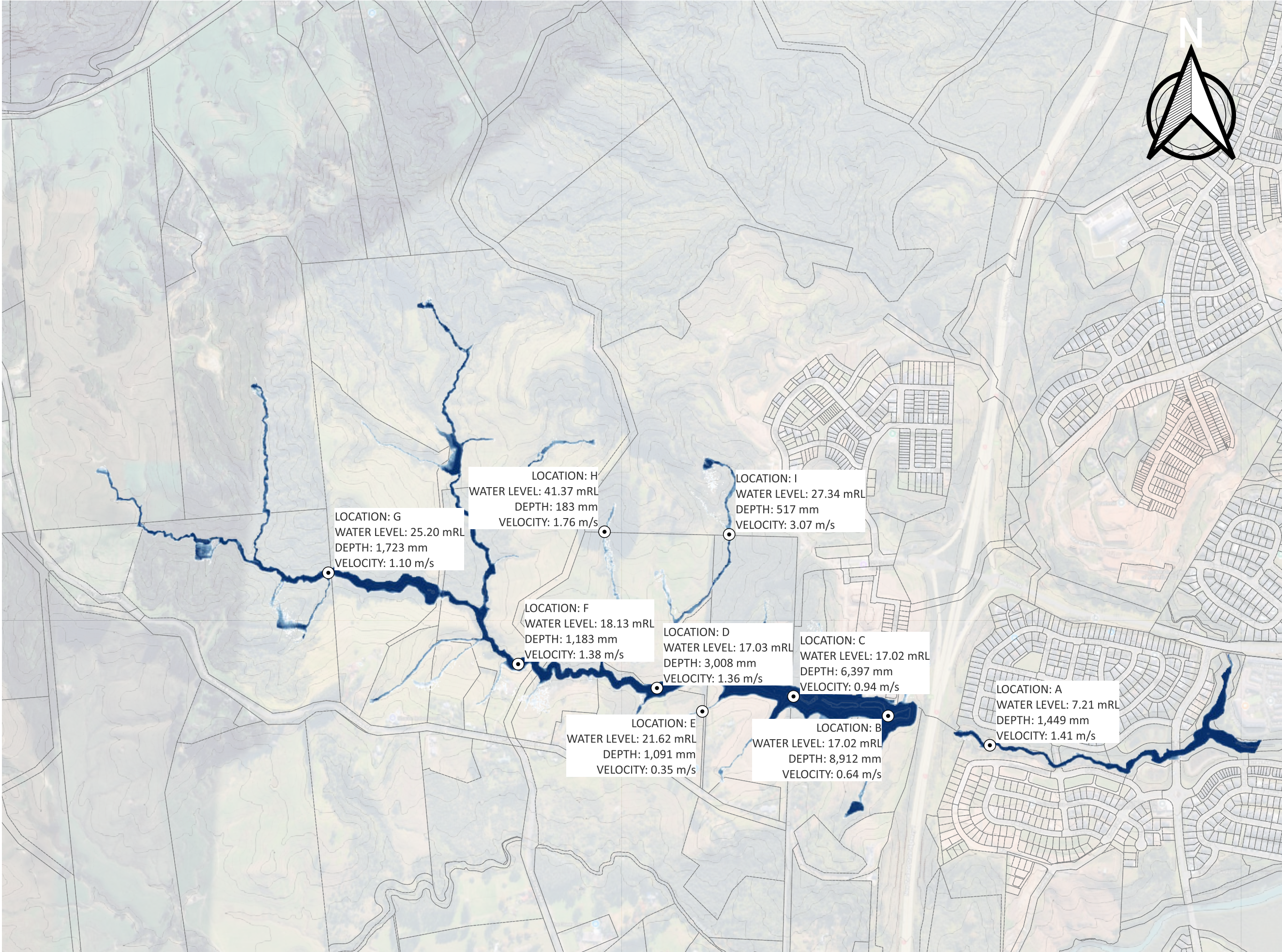


MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
FLOOD ASSESSMENT
1% AEP POST-DEVELOPMENT
FLOOD PLAIN PLAN (3.8D CC)



- NOTES:
- 1. SCENARIO ID ISEXD38CC001Aeptwbbase_ext
 - 2. 1% AEP SCENARIO, WITH 3.8 DEGREE CLIMATE CHANGE, LAND USE IS CURRENT (PRE-EXISTING).
 - 4. CONTOUR INTERVAL IS 2.5m

LEGEND:

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
C	RE-SUBMISSION	HS	-	-	22/02/25
B	MODELLING UPDATE	HS	-	-	21/07/25
A	FIRST ISSUE	HS	-	-	16/01/2025



VINEWAY LIMITED

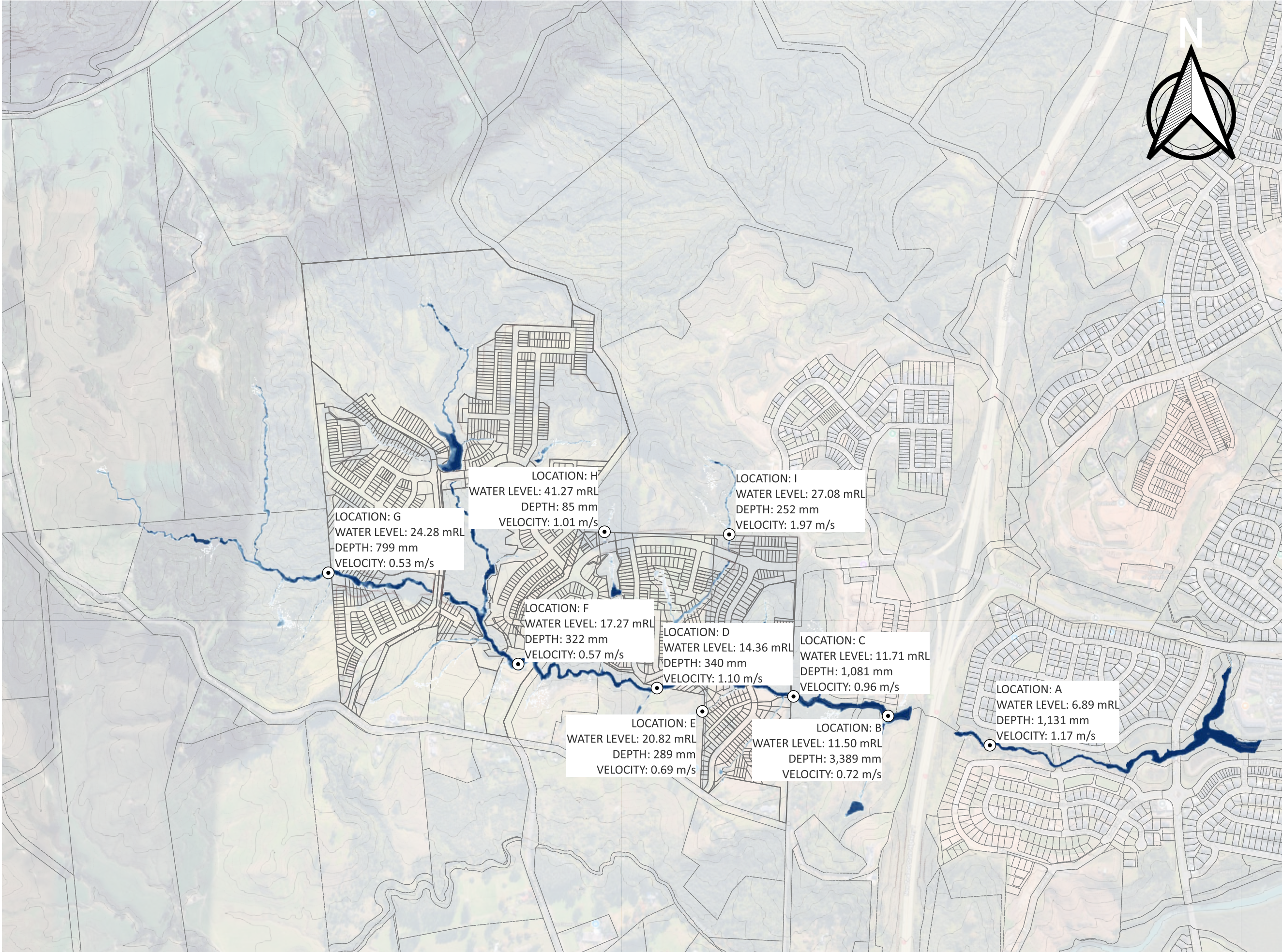
DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
FLOOD ASSESSMENT
1% AEP PRE-DEVELOPMENT
FLOOD PLAIN PLAN (3.8D CC)

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4504
REV: C



- NOTES:
- 1. SCENARIO ID IS D_MPD21CC050APTWABASE_PDT
 - 2. 50% AEP SCENARIO, WITH 2.1 DEGREE CLIMATE CHANGE. LAND USE IS MAXIMUM PROBABLE DEVELOPMENT WITHIN THE DELMORE SITE, EXISTING OUTSIDE THE DEVELOPMENT SITE.
 - 3. CONTOUR INTERVAL IS 2.5m

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
C	RE-SUBMISSION	HS	-	-	22/12/25
B	MODELLING UPDATE	HS	-	-	21/07/25
A	FIRST ISSUE	HS	-	-	16/01/2025



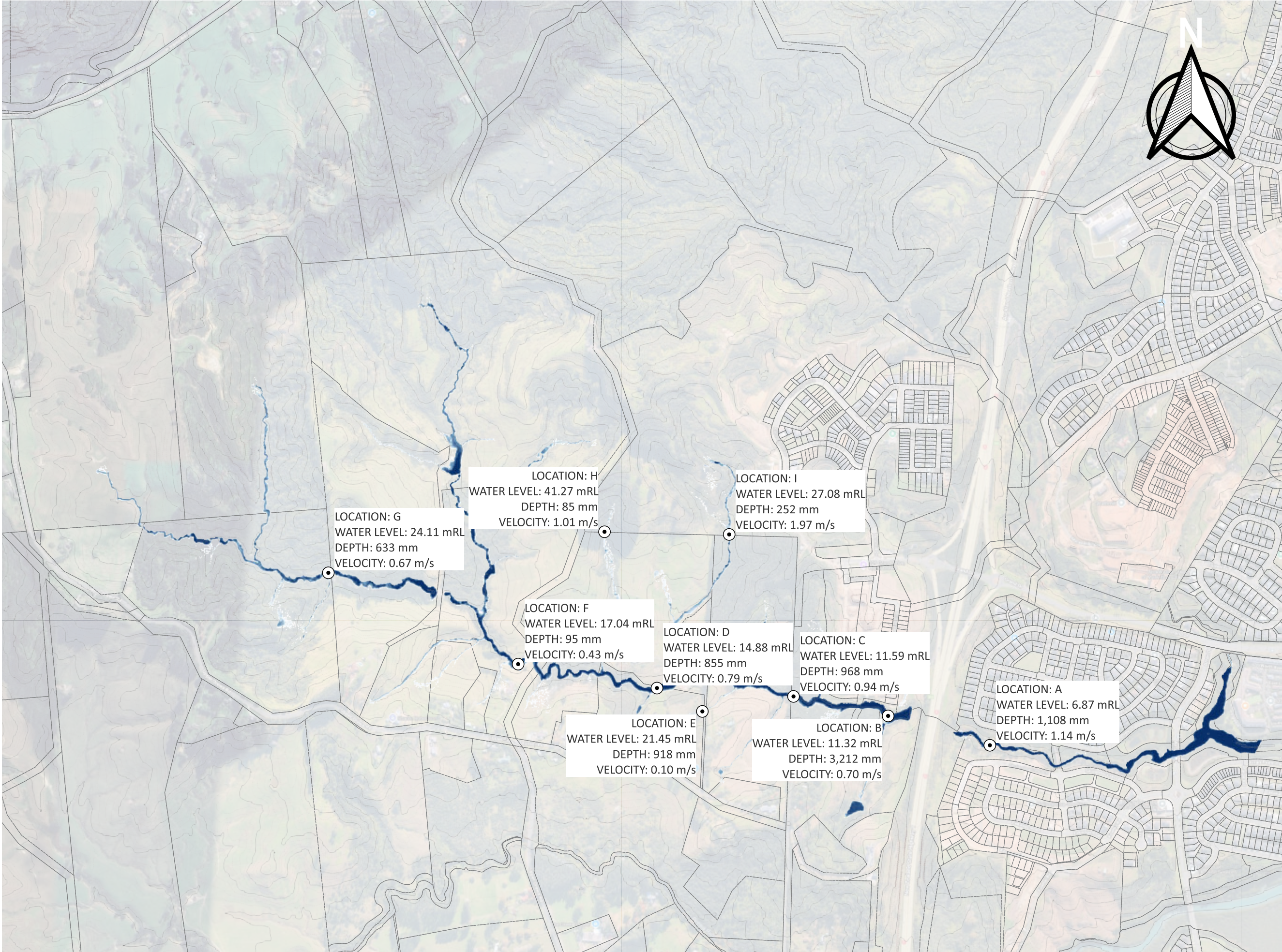
MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
FLOOD ASSESSMENT
50% AEP POST-DEVELOPMENT
FLOOD PLAIN PLAN (2.1D CC)

PURPOSE OF ISSUE:		FOR DISCUSSION ONLY	
SCALE:		1:10,000	
DRAWING NO:	3725-0-4506	REV:	C



- NOTES:
- 1. SCENARIO ID IS EXD21CC050AEPTWABASE_EXT
 - 2. 50% AEP SCENARIO, WITH 2.1 DEGREE CLIMATE CHANGE. LAND USE IS CURRENT (PRE-EXISTING).
 - 3. CONTOUR INTERVAL IS 2.5m

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4507

REV: C

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
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B	MODELLING UPDATE	HS	-	-	21/07/25
A	FIRST ISSUE	HS	-	-	16/01/2025

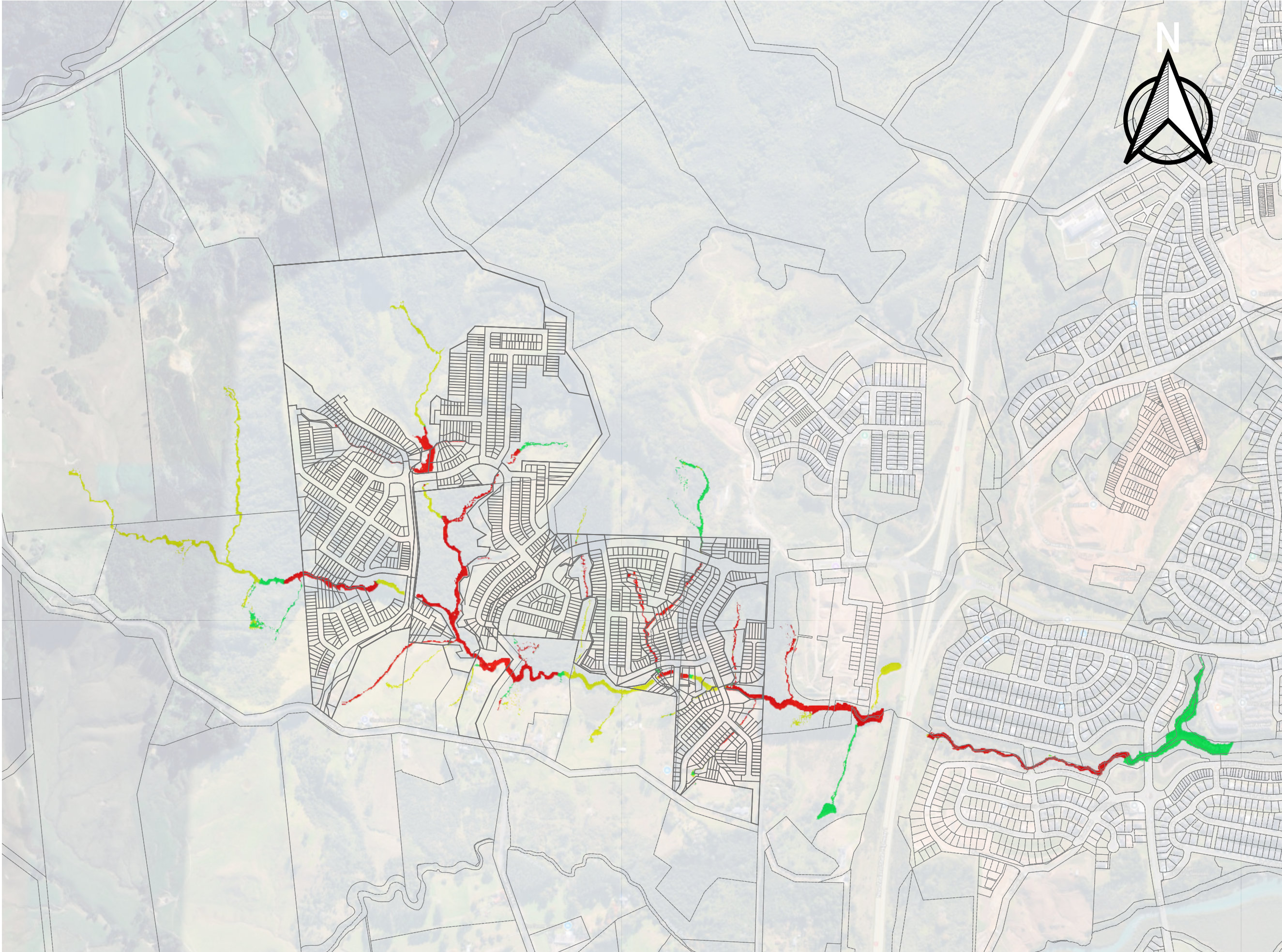


MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
FLOOD ASSESSMENT
50% AEP PRE-DEVELOPMENT
FLOOD PLAIN PLAN (2.1D CC)



NOTES:
1. COMPARISON IS FOR 50% AEP STORM EVENT FOR PRE- AND POST- DEVELOPMENT SCENARIO.

LEGEND

POST VS PRE DEVELOPMENT
FLOOD COMPARISON

- <= 0
- 0
- > 0

MAP PROJECTION/ VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4508
REV: C

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
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B	MODELLING UPDATE	HS	-	-	21/07/25
A	FIRST ISSUE	HS	-	-	16/01/2025

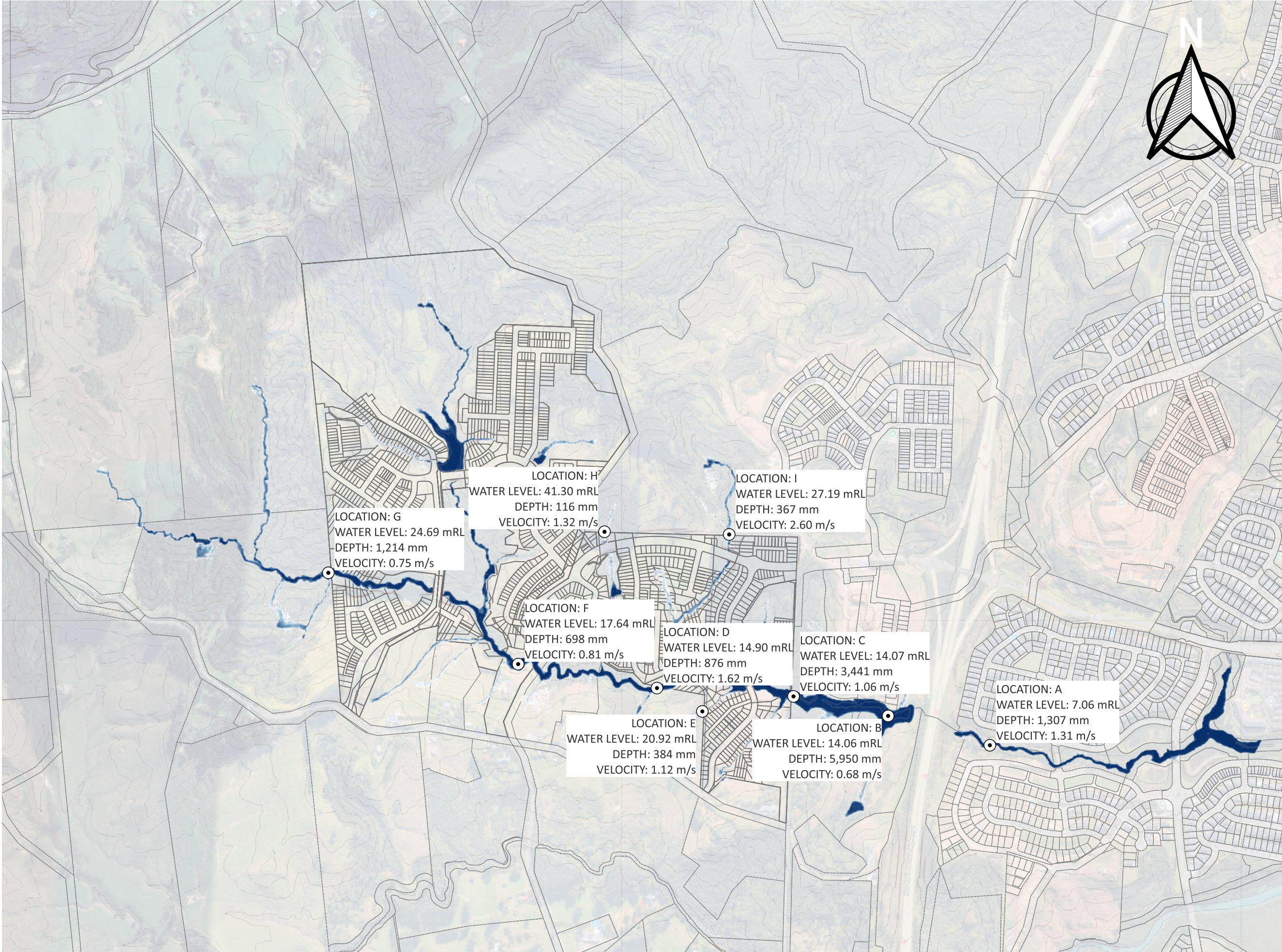


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VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
FLOOD ASSESSMENT
50% AEP POST VS PRE DEVELOPMENT
COMPARISON PLAN



- NOTES:
- 1. SCENARIO ID IS D_MPD21CC010APTWABASE_PDT
 - 2. 10% AEP SCENARIO, WITH 2.1 DEGREE CLIMATE CHANGE. LAND USE IS MAXIMUM PROBABLE DEVELOPMENT WITHIN THE DELMORE SITE, EXISTING OUTSIDE THE DEVELOPMENT SITE.
 - 3. CONTOUR INTERVAL IS 2.5m

LEGEND:

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
C	RE-SUBMISSION	HS	-	-	22/12/25
B	MODELLING UPDATE	HS	-	-	21/07/25
A	FIRST ISSUE	HS	-	-	16/01/2025



VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
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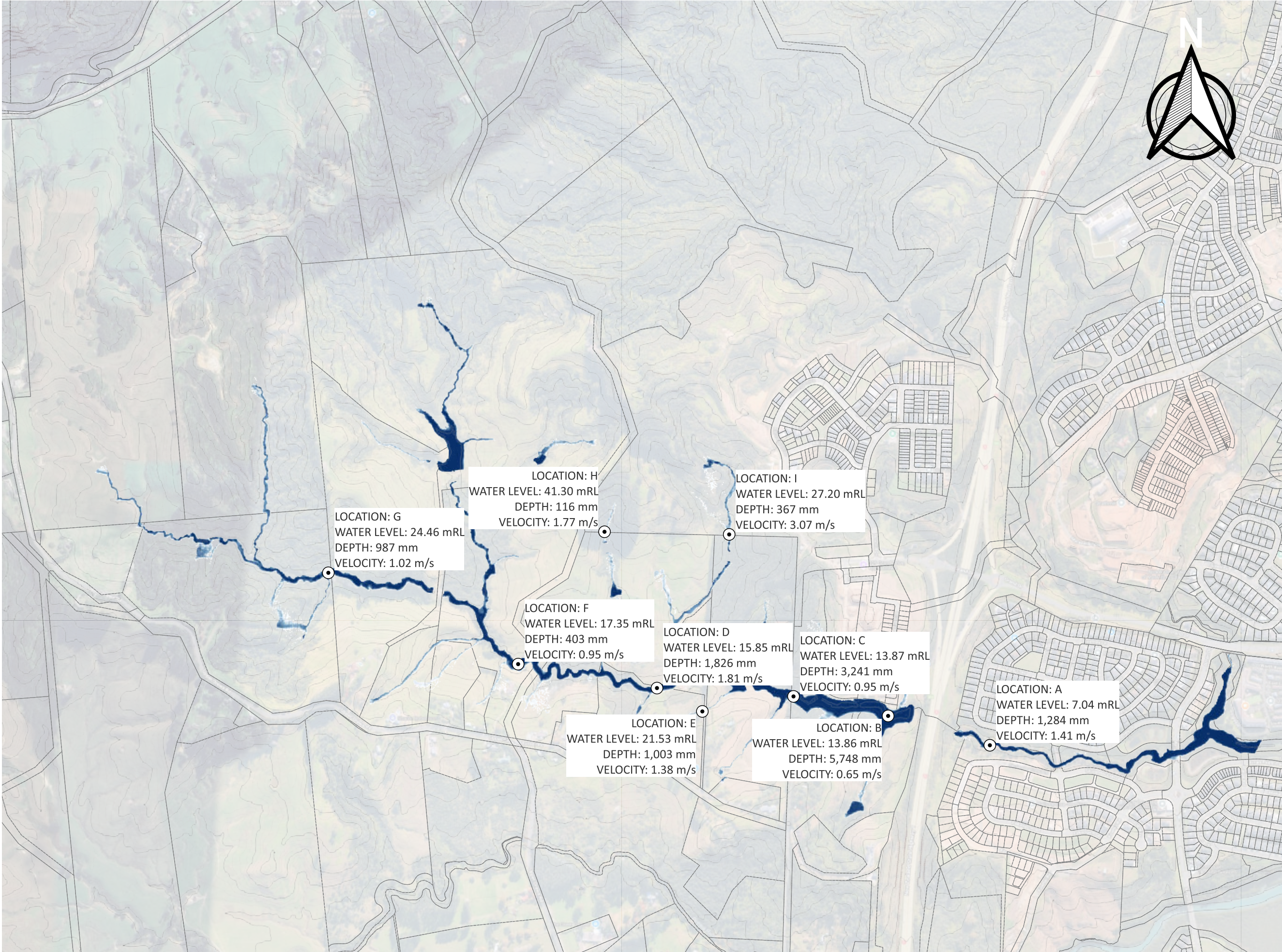
STORMWATER
FLOOD ASSESSMENT
10% AEP POST-DEVELOPMENT
FLOOD PLAIN PLAN (2.1D CC)

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO:
3725-0-4512

REV:
C



- NOTES:
- 1. SCENARIO ID IS EXD21CC010AEPWABASE_EXT
 - 2. 10% AEP SCENARIO, WITH 2.1 DEGREE CLIMATE CHANGE. LAND USE IS CURRENT (PRE-EXISTING).
 - 3. CONTOUR INTERVAL IS 2.5m

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4513

REV: C

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
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B	MODELLING UPDATE	HS	-	-	21/07/2025
A	FIRST ISSUE	HS	-	-	16/01/2025

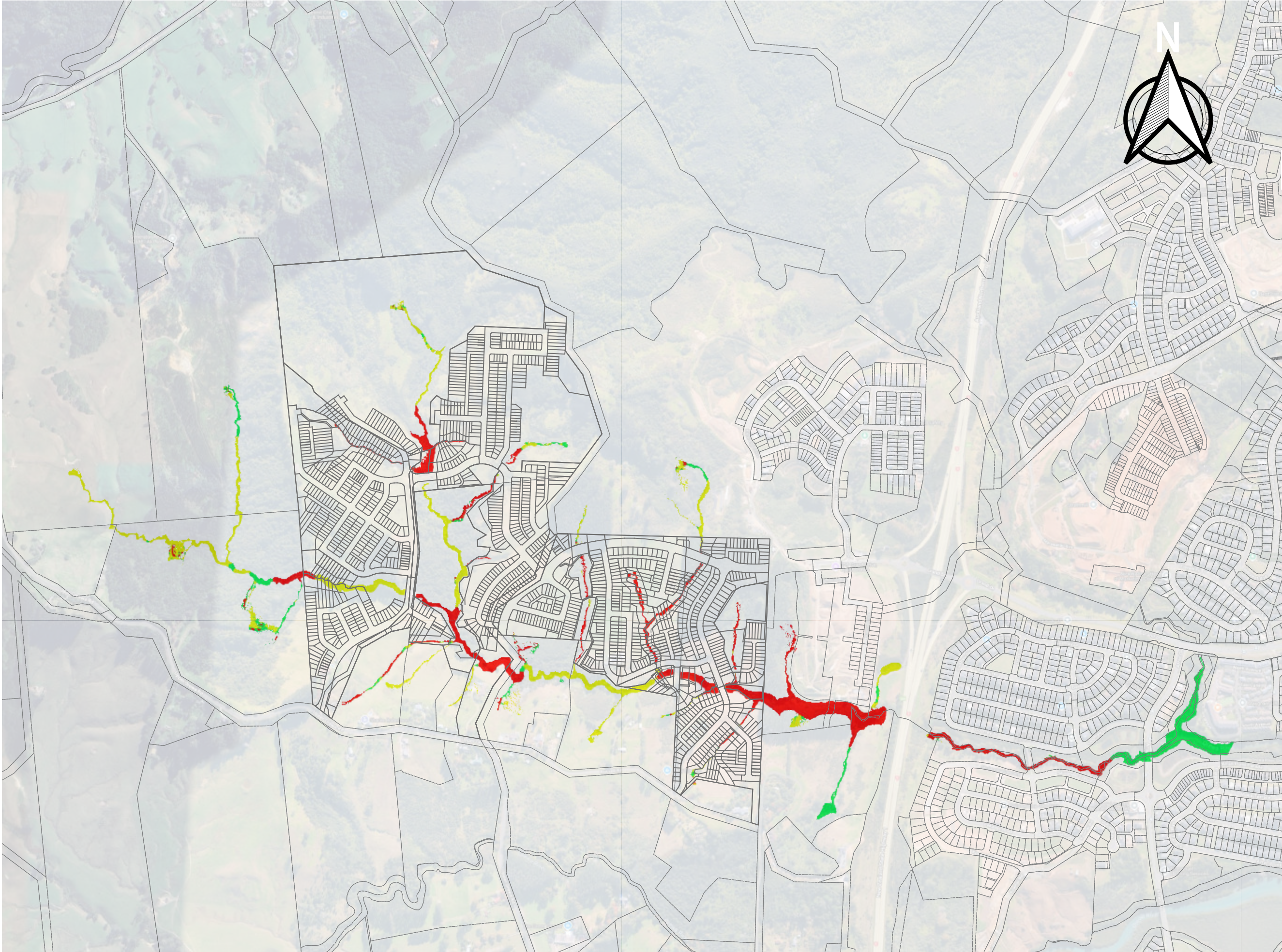


MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
FLOOD ASSESSMENT
10% AEP PRE-DEVELOPMENT
FLOOD PLAIN PLAN (2.1D CC)



NOTES:
1. COMPARISON IS FOR 10% AEP STORM EVENT FOR PRE- AND POST- DEVELOPMENT SCENARIO.

LEGEND

POST VS PRE DEVELOPMENT
FLOOD COMPARISON

- <= 0
- 0
- > 0

MAP PROJECTION/ VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4514
REV: C

REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
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A	FIRST ISSUE	HS	-	-	16/01/2025

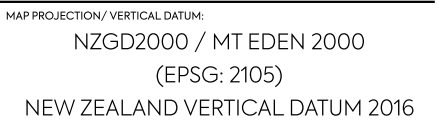
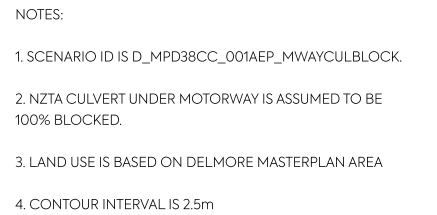


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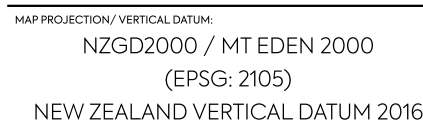
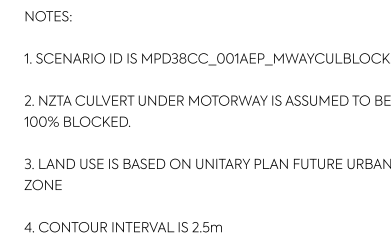
VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
FLOOD ASSESSMENT
10% AEP POST VS PRE DEVELOPMENT
COMPARISON PLAN



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								DELMORE		STORMWATER		FOR CONSENT	
								VINEWAY LIMITED		MOTORWAY CULVERT FULLY BLOCKED		SCALE:	
								53A, 53B & 55 RUSSELL ROAD		1% AEP POST-DEVELOPMENT – MASTERPLAN		1:10,000	
								OREWA		FLOOD PLAIN PLAN (3.8D CC)		DRAWING NO.: REV:	
												3725-0-4520 A	
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.					



PURPOSE OF ISSUE:

FOR CONSENT

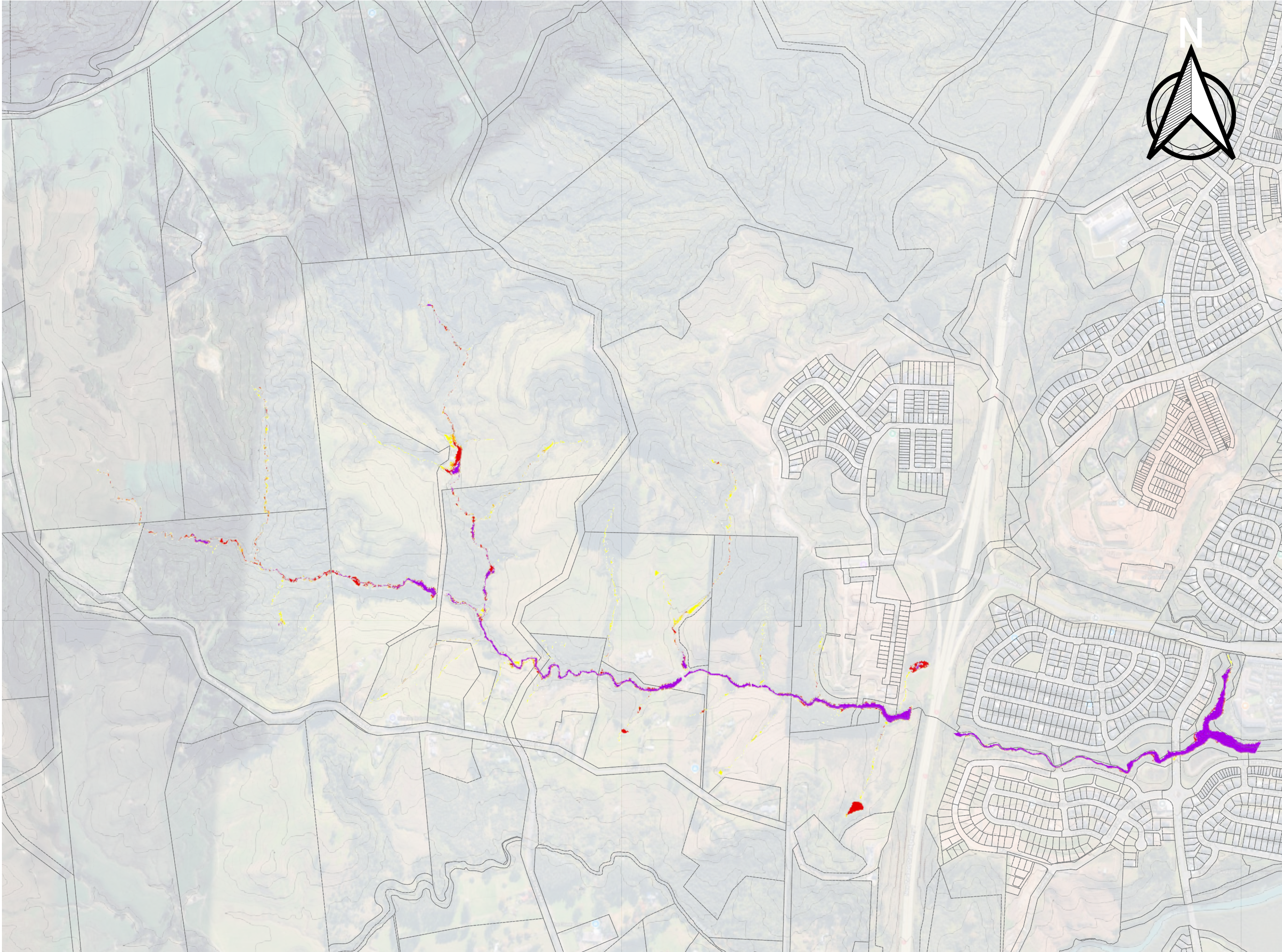
SCALE:

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DRAWING NO: 3725-0-4521

REV:

A



PC120 HAZARD CLASSIFICATION

- LOW HAZARD
- MEDIUM HAZARD
- HIGH HAZARD
- VERY HIGH HAZARD

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4520
REV: A

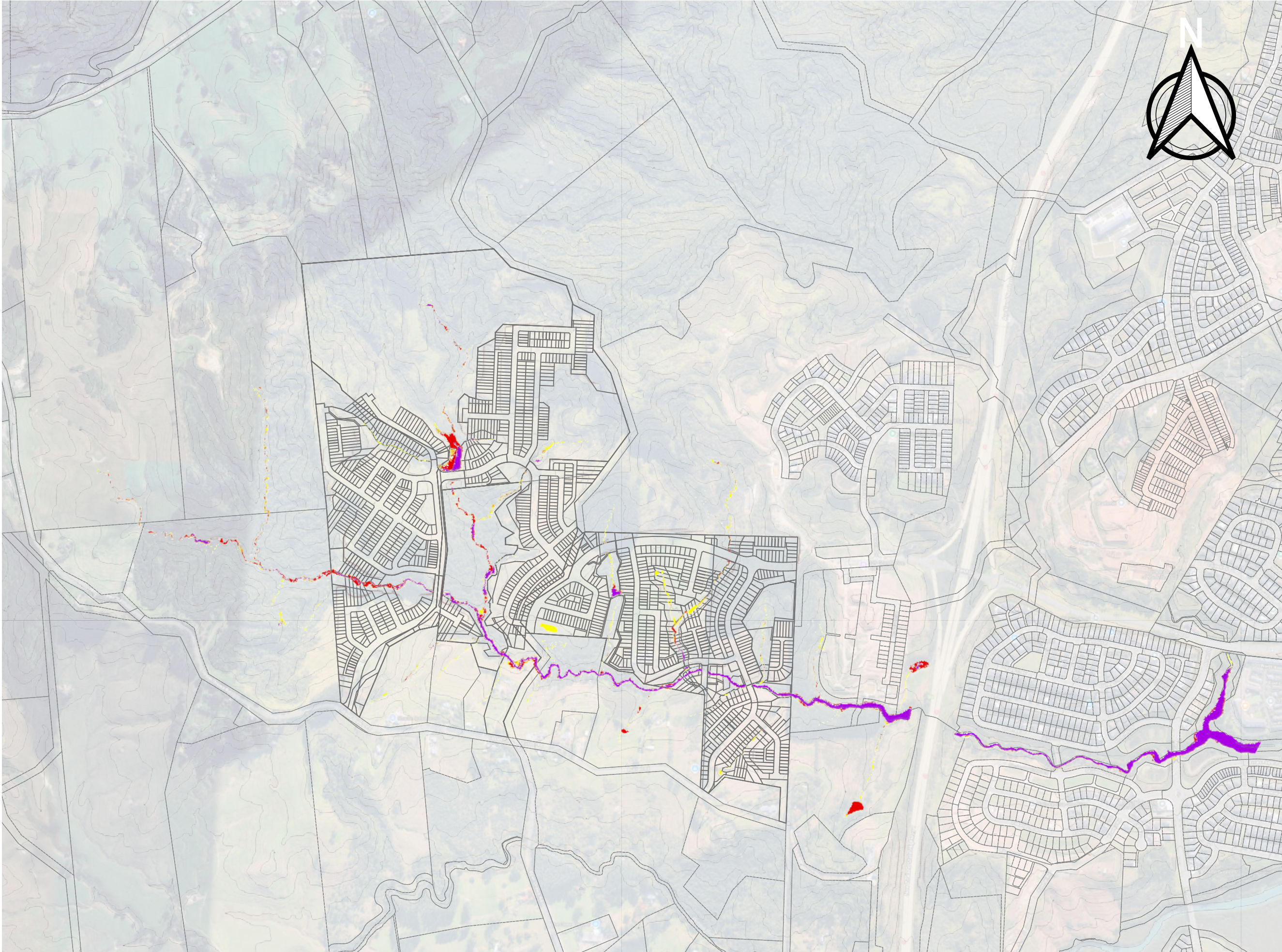
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PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ			



VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
50% AEP PRE-DEVELOPMENT
PC120 HAZARD PLAN



PC120 HAZARD CLASSIFICATION

- LOW HAZARD
- MEDIUM HAZARD
- HIGH HAZARD
- VERY HIGH HAZARD

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
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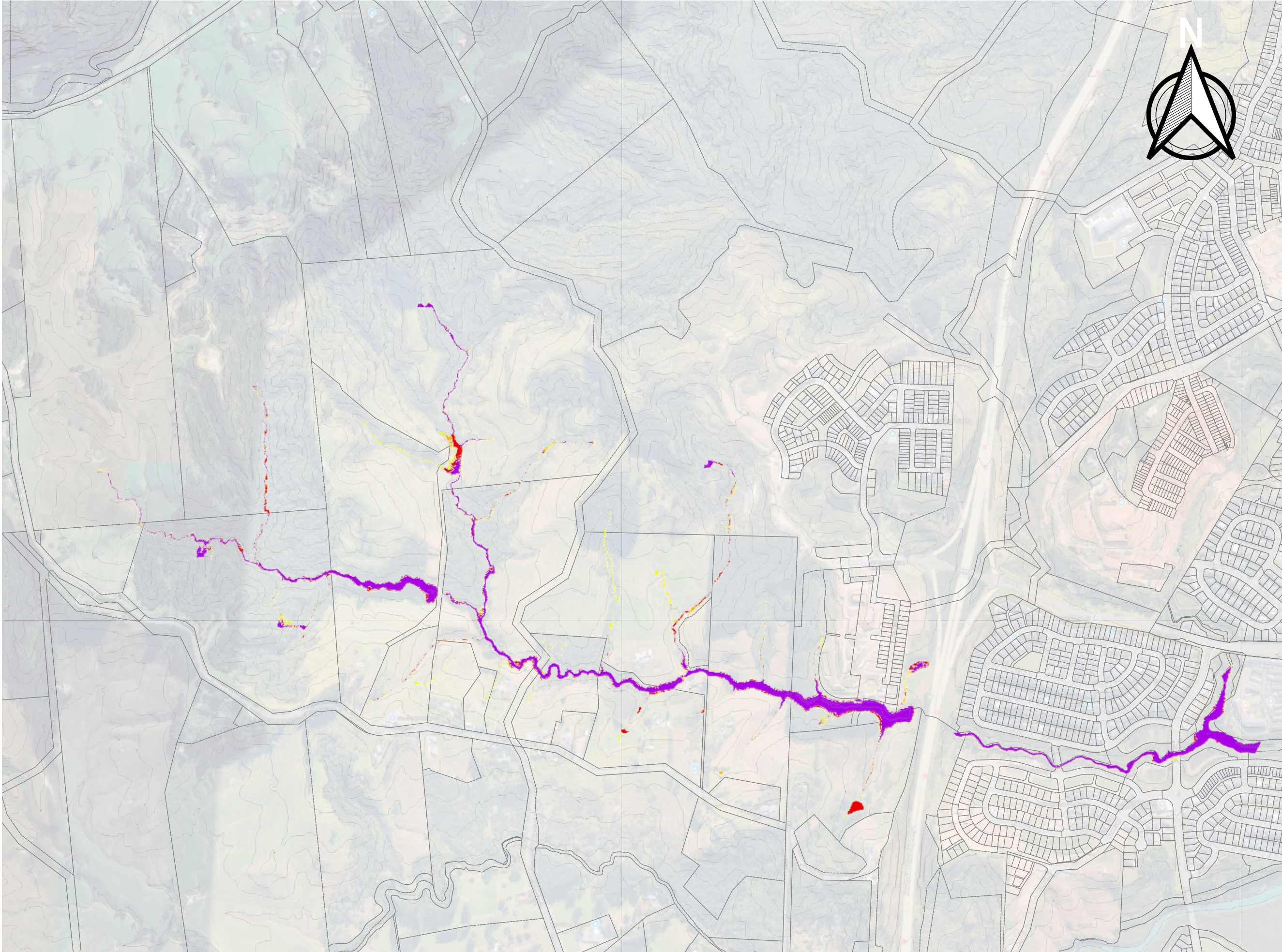
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VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
50% AEP POST-DEVELOPMENT
PC120 HAZARD PLAN



PC120 HAZARD CLASSIFICATION

- LOW HAZARD
- MEDIUM HAZARD
- HIGH HAZARD
- VERY HIGH HAZARD

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
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DRAWING NO: 3725-0-4532 REV: A

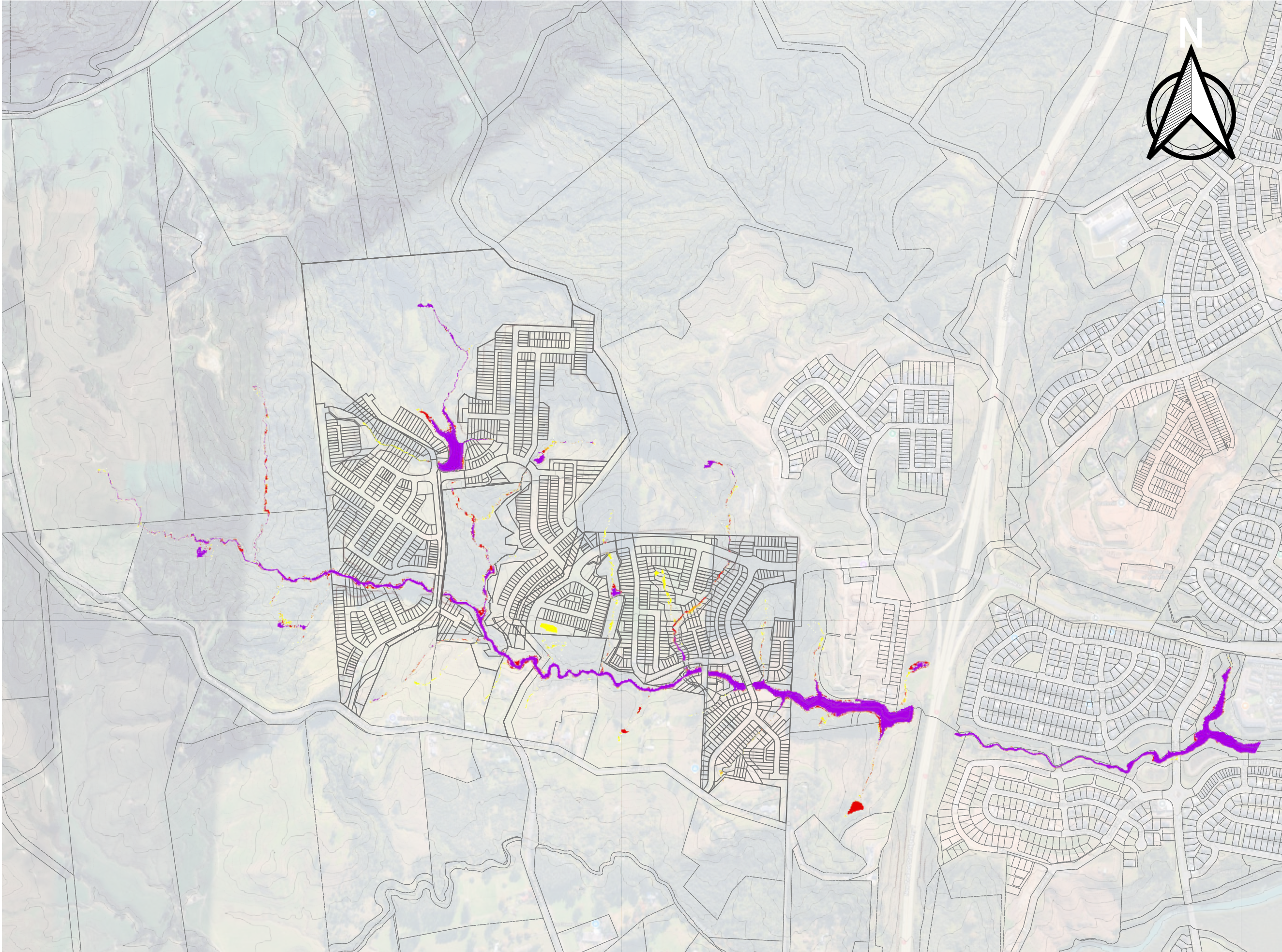
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REV	DESCRIPTION	DRN	BYCHK	BY APP BY DATE
PLOT DATE ----				



VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
10% AEP PRE-DEVELOPMENT
PC120 HAZARD PLAN



PC120 HAZARD CLASSIFICATION

- LOW HAZARD
- MEDIUM HAZARD
- HIGH HAZARD
- VERY HIGH HAZARD

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
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DRAWING NO: 3725-0-4533
REV: A

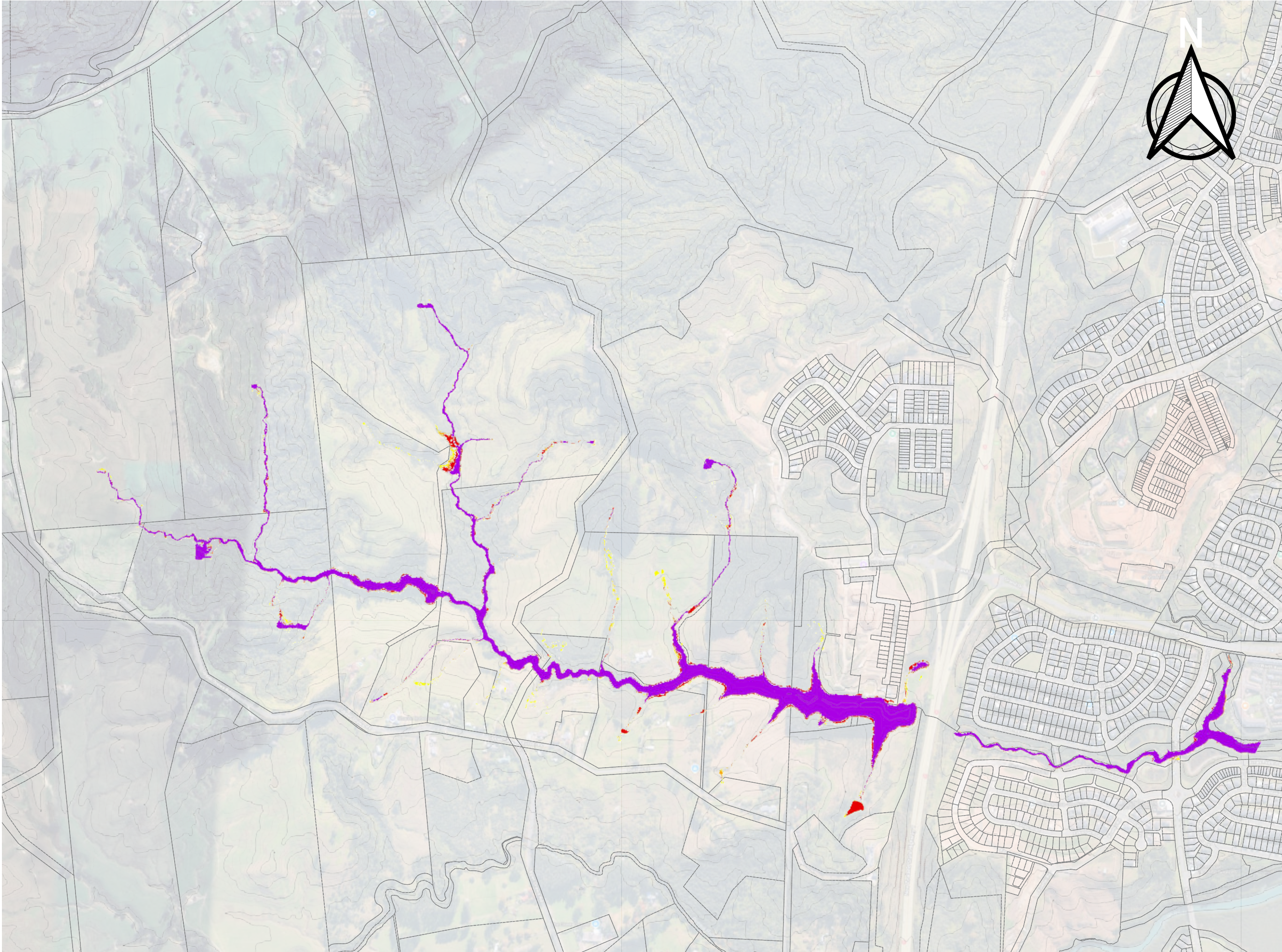
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A	FIRST ISSUE	HS	-	-	22/12/25



VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
10% AEP POST-DEVELOPMENT
PC120 HAZARD PLAN



PC120 HAZARD CLASSIFICATION

- LOW HAZARD
- MEDIUM HAZARD
- HIGH HAZARD
- VERY HIGH HAZARD

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4534
REV: A

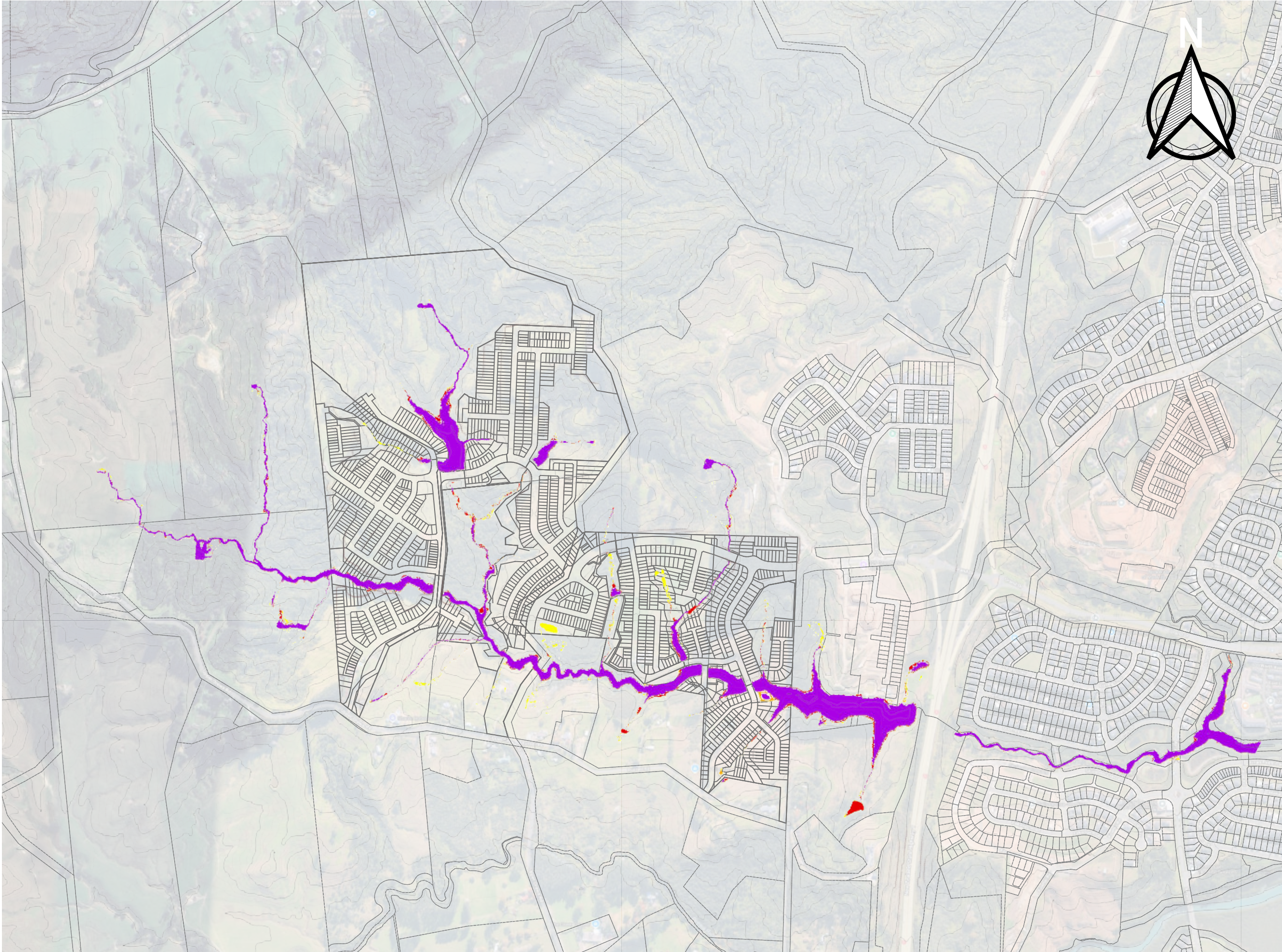
A	FIRST ISSUE	HS	-	-	22/12/25
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ			



VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
1% AEP PRE-DEVELOPMENT
PC120 HAZARD PLAN



PC120 HAZARD CLASSIFICATION

- LOW HAZARD
- MEDIUM HAZARD
- HIGH HAZARD
- VERY HIGH HAZARD

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4535
REV: A

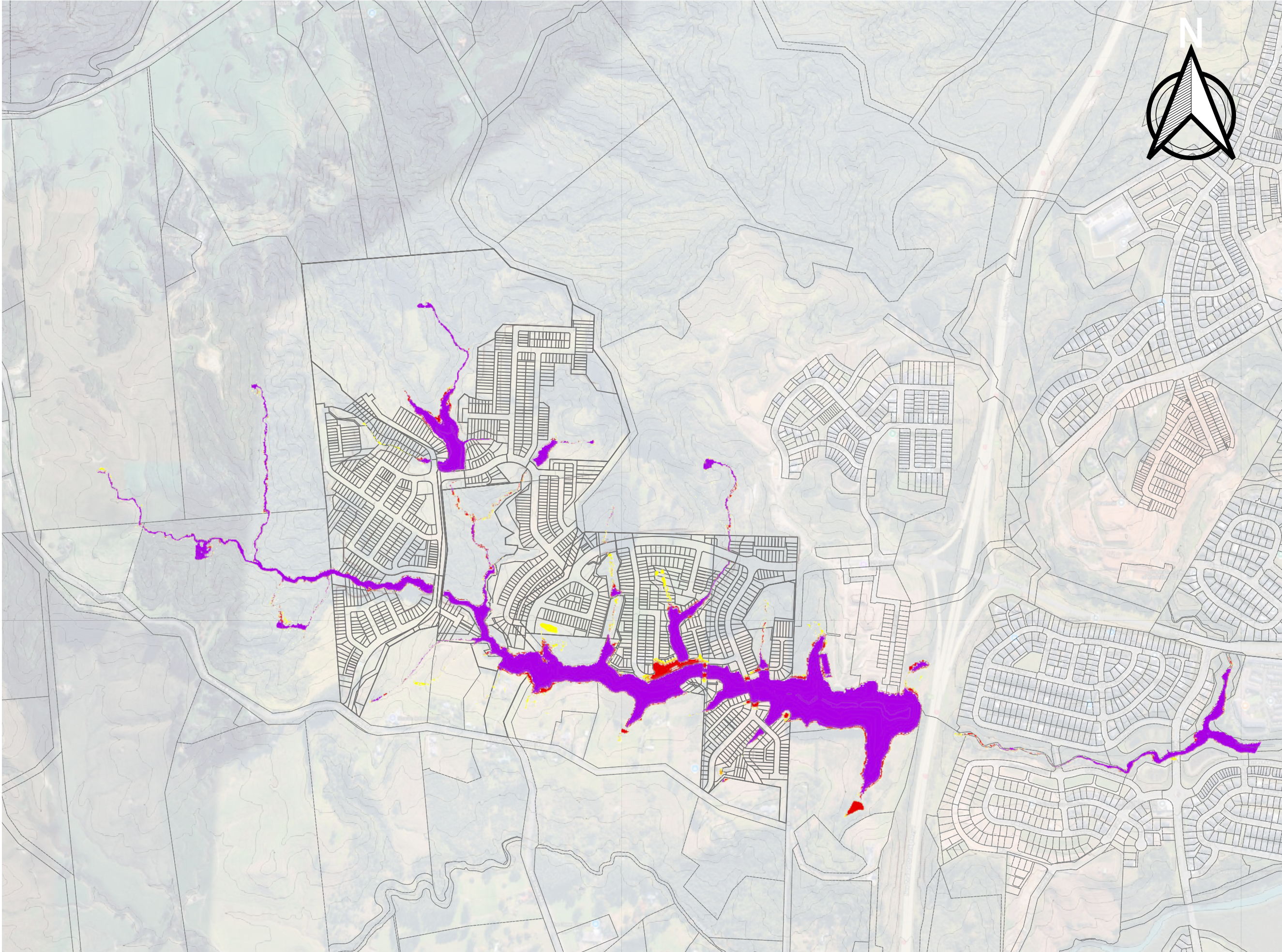
A	FIRST ISSUE	HS	-	-	22/12/25
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE
PLOT DATE	----	WWW.MCKENZIEANDCO.CO.NZ	THIS DRAWING IS SOLELY FOR USE BY THE CLIENT ON THIS PROJECT ONLY. NO LIABILITY IS ACCEPTED IN ITS USE BY ANY OTHER ENTITY OR FOR ANY OTHER PURPOSE.		



VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
1% AEP POST-DEVELOPMENT
PC120 HAZARD PLAN



PC120 HAZARD CLASSIFICATION

- LOW HAZARD
- MEDIUM HAZARD
- HIGH HAZARD
- VERY HIGH HAZARD

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4536
REV: A

A	FIRST ISSUE	HS	-	-	22/12/25
REV	DESCRIPTION	DRN	BYCHK	BY APP	BY DATE

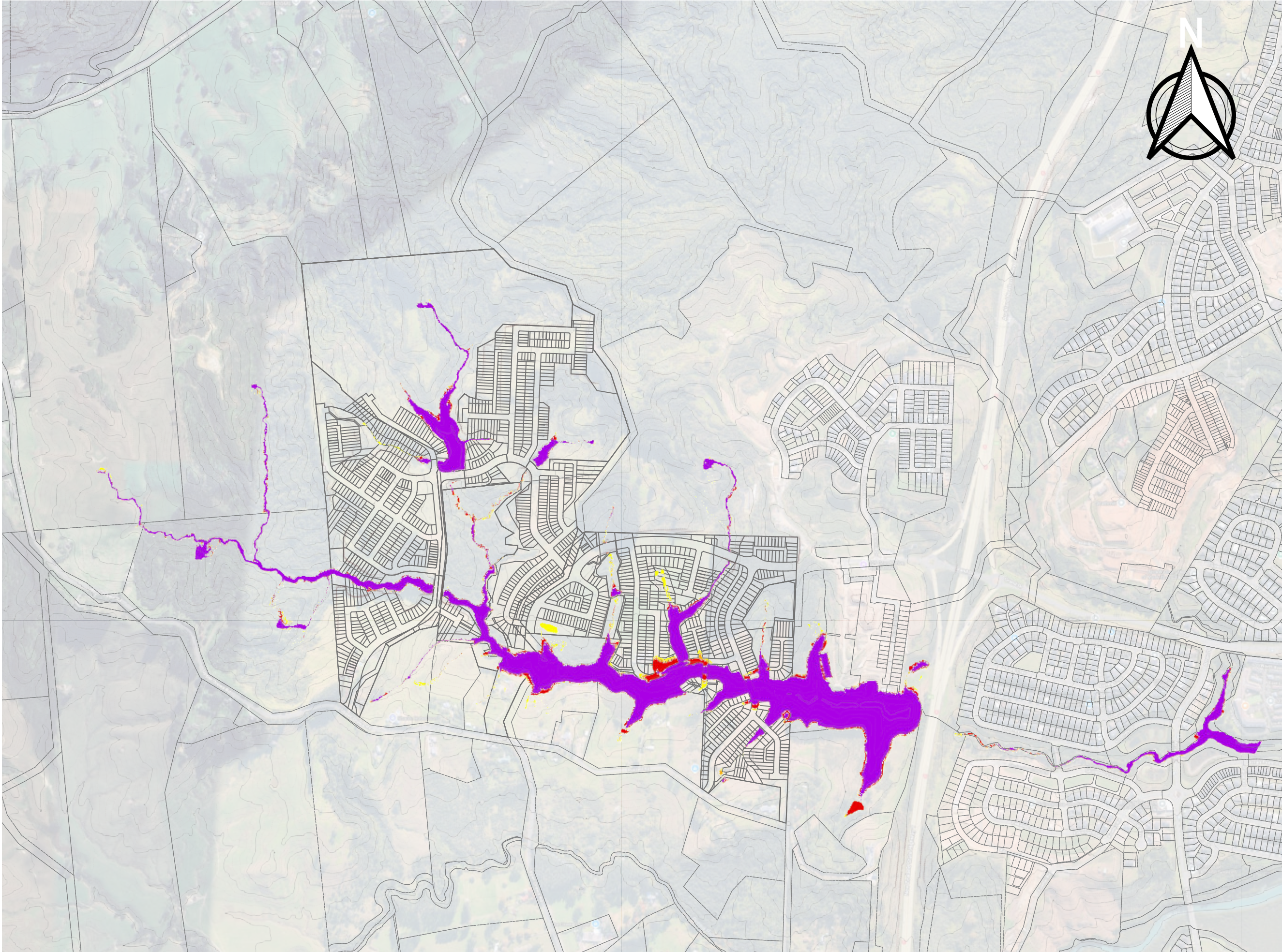


MCKENZIE & CO.

VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
1% AEP POST-DEVELOPMENT
NZTA FULLY BLOCKED CULVERT - MASTERPLAN
PC120 HAZARD PLAN



PC120 HAZARD CLASSIFICATION

- LOW HAZARD
- MEDIUM HAZARD
- HIGH HAZARD
- VERY HIGH HAZARD

MAP PROJECTION / VERTICAL DATUM:
NZGD2000 / MT EDEN 2000
(EPSG: 2105)
NEW ZEALAND VERTICAL DATUM 2016

PURPOSE OF ISSUE:
FOR CONSENT

SCALE:
1:10,000

DRAWING NO: 3725-0-4537
REV: A

A	FIRST ISSUE	HS	-	22/12/25
REV	DESCRIPTION	DRN	BYCHK	BY APP BY DATE
PLOT DATE ----				



VINEWAY LIMITED

DELMORE
53A, 53B & 55 RUSSELL ROAD
OREWA

STORMWATER
1% AEP POST-DEVELOPMENT
NZTA FULLY BLOCKED CULVERT - FUZ MPD
PC120 HAZARD PLAN