

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 3. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
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 5. SEDIMENT CONTROL SHALL BE INSTALLED AND OPERATIONAL BEFORE EARTHWORKS START ONSITE IN ACCORDANCE WITH COUNCIL STANDARDS.
 6. CONTRACTOR SHALL PROVIDE ASBUILT OF WORKING SEDIMENT CONTROL DEVICES AND CONFIRMATION OF POND/DECANT VOLUMES TO ENGINEER.
 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 1**

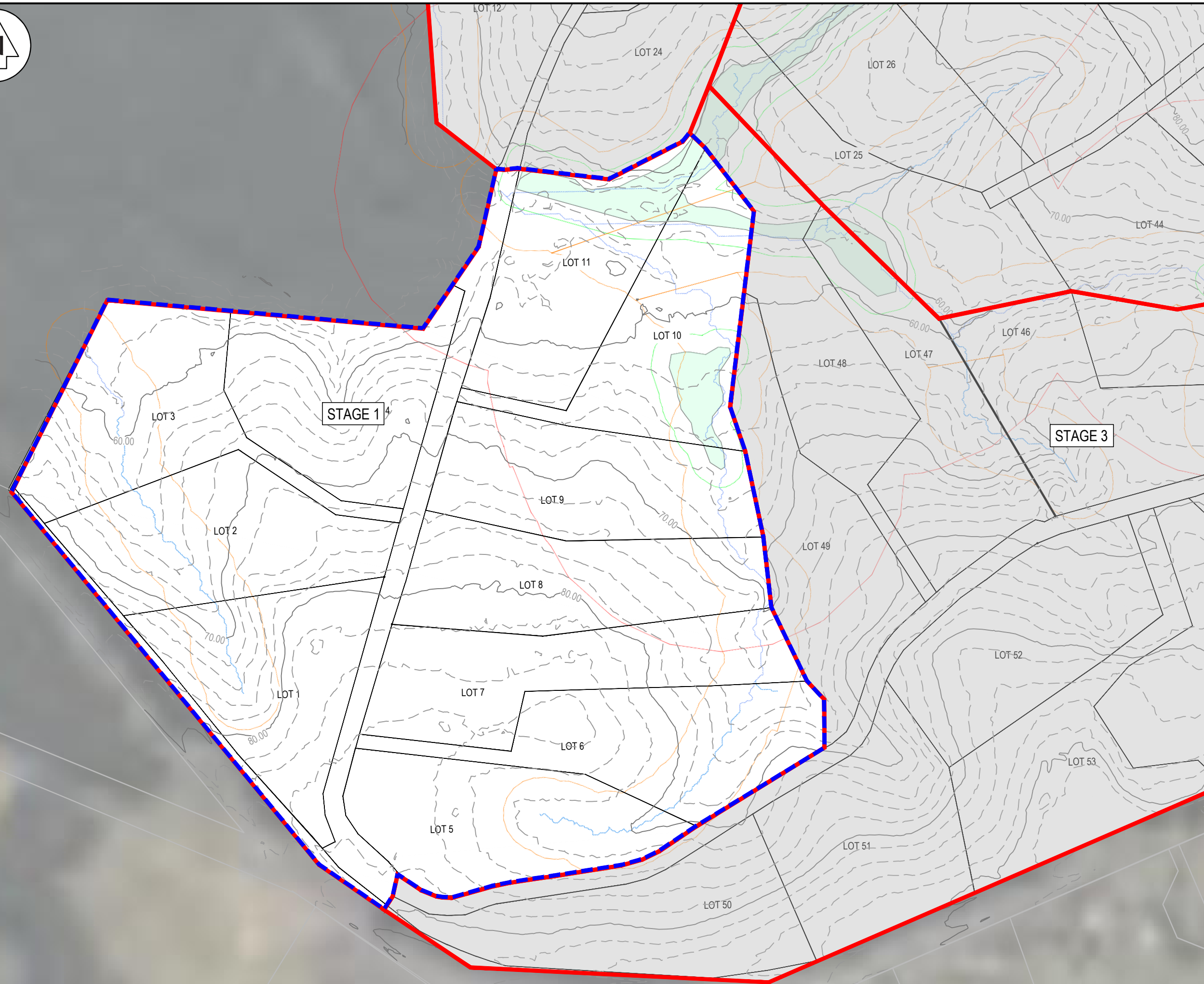
Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 1.DWG
Drawing no.	C200-1-0
Rev	A

RESOURCE CONSENT



DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 1.DWG

RESOURCE CONSENT



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EX BDY	EX BDY
PROP BDY	PROP BDY
EX MAJOR CONTOUR	EX MAJOR CONTOUR
EX MINOR CONTOUR	EX MINOR CONTOUR
PR MAJOR CONTOUR	PR MAJOR CONTOUR
PR MINOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP EXTENT WORK
PROP CLEANWATER	PROP CLEANWATER
PROP DIRTYWATER	PROP DIRTYWATER
PROP SILT FENCE	PROP SILT FENCE
PROP SUPER SILT FENCE	PROP SUPER SILT FENCE
PROP STOCKPILE	PROP STOCKPILE
PROP DECANT	PROP DECANT
PROP DECANT BAR	PROP DECANT BAR
STAGE BOUNDARY	STAGE BOUNDARY
EXISTING STREAM	EXISTING STREAM
EXISTING WETLAND	EXISTING WETLAND
10m STREAM SETBACK	10m STREAM SETBACK
RIPARIAN YARD	RIPARIAN YARD
20m SETBACK	20m SETBACK
WETLAND AREA	WETLAND AREA
100m SETBACK	100m SETBACK
EARTHWORKS CATCHMENT AREA	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**EXISTING CONTOUR
PLAN - STAGE 1**

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 1.DWG		
Drawing no.	C200-1-1	Rev	A



BUILDING PLATFORM

STAGE 1

STAGE 3

BUILDING PLATFORM

OLD NORTH ROAD

RESOURCE CONSENT

- NOTES
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	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS CONTOUR
PLAN - STAGE 1**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 1.DWG
Drawing no.	C200-1-2
Rev	A



EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm STRIPPED)

CUT VOLUME 19,700 m³
FILL VOLUME 17,200 m³
NET CUT 2,500 m³

TOPSOIL STRIPPED (350mm) = 13,400m³
EARTHWORKS AREA = 38,150 m² / 3.81 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

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LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025



Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 1**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 1.DWG
Drawing no.	C220-1-1
Rev	A

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-5.000	-4.000	
2	-4.000	-3.000	
3	-3.000	-2.000	
4	-2.000	-1.000	
5	-1.000	0.000	
6	0.000	1.000	
7	1.000	2.000	
8	2.000	3.000	
9	3.000	4.000	
10	4.000	5.000	
11	5.000	6.000	
12	6.000	7.000	

RESOURCE CONSENT



PROP DEB S1- JOAL1-DEB 2
CATCHMENT AREA: 2829m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

CULVERT CONSTRUCTION
METHODOLOGY REFER TO
C245 FOR DETAILS

PROP SRP S1-JOAL1-P1
CATCHMENT AREA: 30347m²
FOREBAY: 2.0m W X 12.0m L X 1.0m D
MAIN POND BASE: 6.0m W X 18.0m L X 1.5m D
EMERGENCY SPILLWAY: 2.0m L X 3.0m W X 0.3m D

PROP DEB S1- JOAL1-DEB 1
CATCHMENT AREA: 2753m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

STAGE 1

STAGE 3

PROP DEB S1- JOAL1-DEB 5
CATCHMENT AREA: 2954m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S1- JOAL1-DEB 3
CATCHMENT AREA: 2801m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S1- JOAL1-DEB 4
CATCHMENT AREA: 2449m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

HAUL ROAD

STABILISED ENTRY

OLD NORTH ROAD

OLD NORTH ROAD

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	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS
	CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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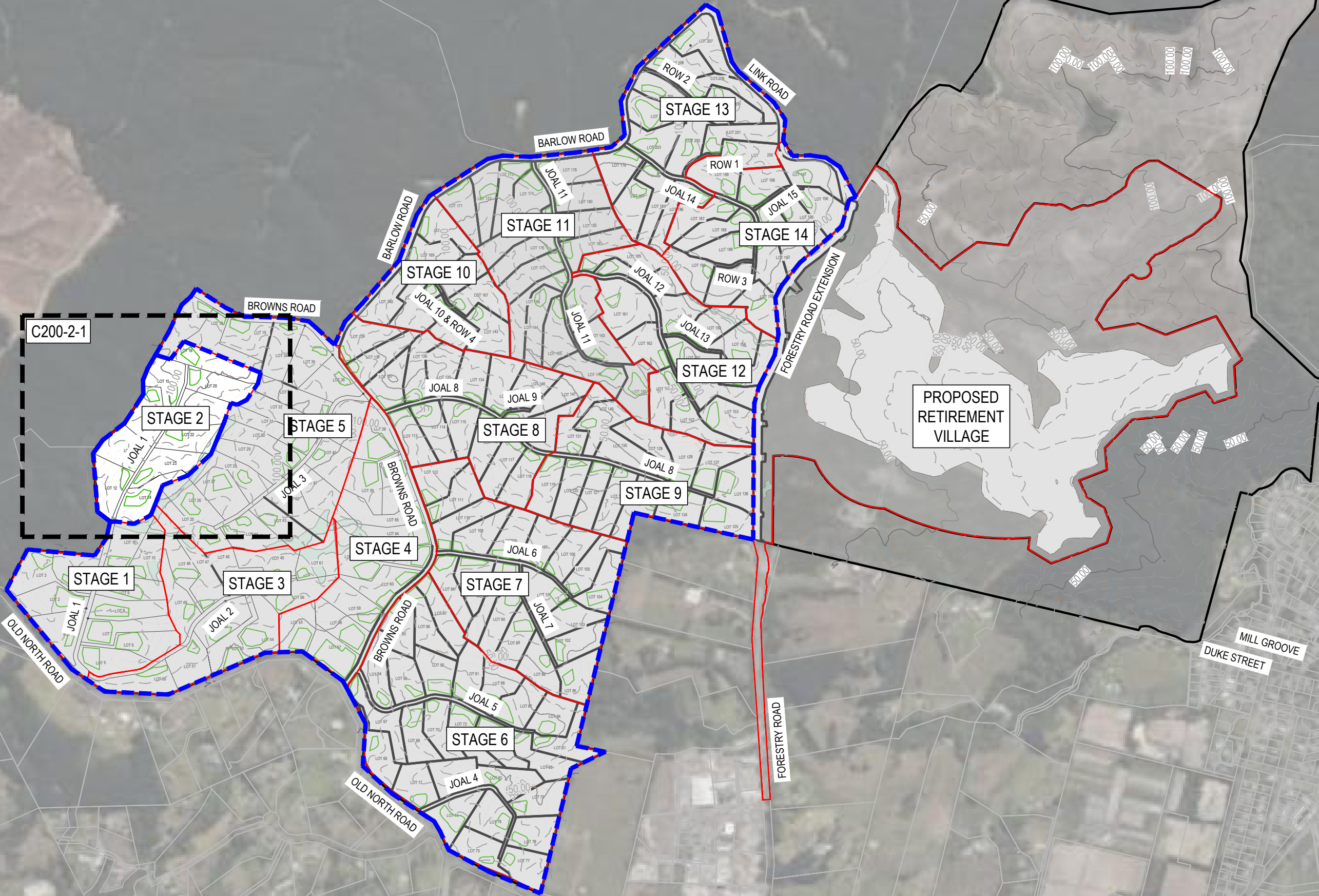
Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED EROSION
SEDIMENT CONTROL
PLAN - STAGE 1**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 1.DWG
Drawing no.	C230-1-1
Rev	A

RESOURCE CONSENT

DATE: 14/02/25 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 1.DWG



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---	EX BDY
---	PROP BDY
---	EX MAJOR CONTOUR
---	EX MINOR CONTOUR
---	PR MAJOR CONTOUR
---	PR MINOR CONTOUR
---	PROP EXTENT WORK
---	PROP CLEANWATER
---	PROP DIRTYWATER
---	PROP SILT FENCE
---	PROP SUPER SILT FENCE
---	PROP STOCKPILE
---	PROP DECANT
---	PROP DECANT BAR
---	STAGE BOUNDARY
---	EXISTING STREAM
---	EXISTING WETLAND
---	10m STREAM SETBACK
---	RIPARIAN YARD
---	20m SETBACK
---	WETLAND AREA
---	100m SETBACK
---	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 2**

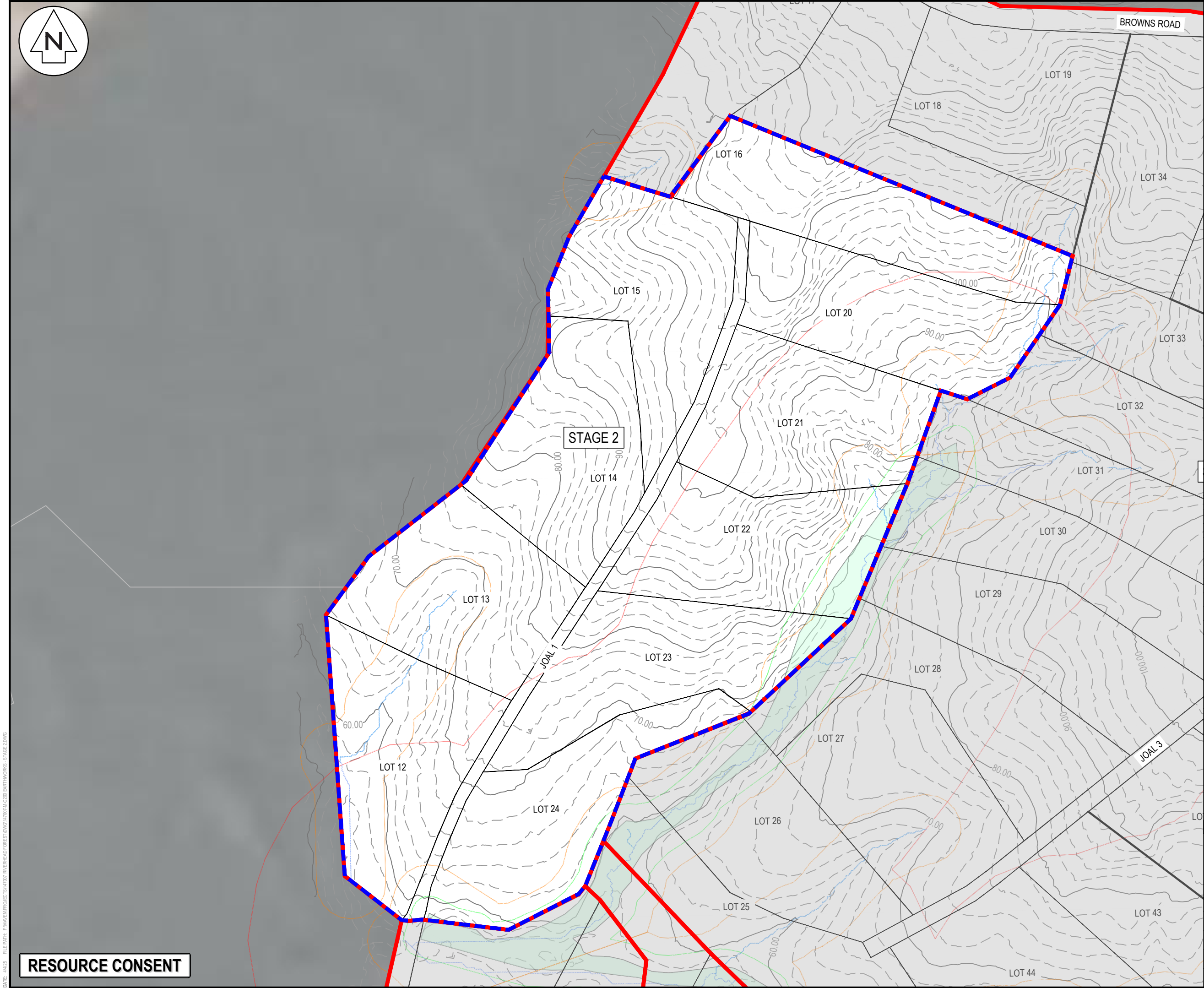
Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 2.DWG
Drawing no.	C200-2-0
Rev	A

RESOURCE CONSENT



DATE: 4/4/25 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 2.DWG

RESOURCE CONSENT



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LEGEND

EX BDY	PROP BDY	EX MAJOR CONTOUR	EX MINOR CONTOUR	PR MAJOR CONTOUR	PR MINOR CONTOUR	PROP EXTENT WORK	PROP CLEANWATER	PROP DIRTYWATER	PROP SILT FENCE	PROP SUPER SILT FENCE	PROP STOCKPILE	PROP DECANT	PROP DECANT BAR	STAGE BOUNDARY	EXISTING STREAM	EXISTING WETLAND	10m STREAM SETBACK	RIPARIAN YARD	20m SETBACK	WETLAND AREA	100m SETBACK	EARTHWORKS CATCHMENT AREA
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A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO	03/22	
Design	HN	05/22	
Drawn	MA	03/2025	
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Project
**DEVELOPMENT OF
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FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**EXISTING CONTOUR
PLAN - STAGE 2**

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 2.DWG		
Drawing no.	C200-2-1	Rev	A



SLOPE TO BE REGRADED.
REFER TO ENGEO REPORT AND
DRAWINGS FOR MORE DETAILS.

BUILDING PLATFORM

STAGE 2

BROWNS ROAD

LOT 19

LOT 18

LOT 34

LOT 33

LOT 32

LOT 31

LOT 30

LOT 29

LOT 28

LOT 27

LOT 26

LOT 25

LOT 23

LOT 22

LOT 21

LOT 15

LOT 16

LOT 13

LOT 12

LOT 24

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	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
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	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
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	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
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**DEVELOPMENT OF
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DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS CONTOUR
PLAN - STAGE 2**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 2.DWG
Drawing no.	C200-2-2
Rev	A

RESOURCE CONSENT



EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm STRIPPED)

CUT VOLUME 11,300 m³
FILL VOLUME 7,100 m³
NET CUT 4,200m³

TOPSOIL STRIPPED (350mm) = 7,300 m³
EARTHWORKS AREA = 20,900m² / 2.09 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

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LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-4.000	-3.000	
2	-3.000	-2.000	
3	-2.000	-1.000	
4	-1.000	0.000	
5	0.000	1.000	
6	1.000	2.000	
7	2.000	3.000	
8	3.000	4.000	

A		RESOURCE CONSENT		MA	03/2025
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Survey	LANDPRO		03/22		
Design	HN		05/22		
Drawn	MA		03/2025		
Checked	RW/KH		03/2025		



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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 2**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 2.DWG
Drawing no.	C220-2-0
Rev	A

DATE: 4/4/25 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 2.DWG

RESOURCE CONSENT



DATE: 4/4/25 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 2.DWG

RESOURCE CONSENT

STABILISED ENTRY

HAUL ROAD

BUILDING PLATFORM

EXISTING STREAM

BROWNS ROAD

STAGE 2

PROP DEB S2- JOAL1-DEB 1
CATCHMENT AREA: 2954m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S2-JOAL1-DEB 6
CATCHMENT AREA: 2003m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S2-JOAL1-DEB 5
CATCHMENT AREA: 2182m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S2-JOAL1-DEB 4
CATCHMENT AREA: 2007m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S2-JOAL1-DEB 3
CATCHMENT AREA: 1765m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP DEB S2- JOAL1-DEB 2
CATCHMENT AREA: 2278m²
MAIN DEB BASE: 4.0m W X 12.0m L X 1.0m D
EMERGENCY SPILLWAY: 0.5m W X 0.25m D

PROP SRP S2-JOAL1-P1
CATCHMENT AREA: 9740m²
FOREBAY: 2.0m W X 12.0m L X 1.0m D
MAIN POND BASE: 6.0m W X 18.0m L X 1.5m D
EMERGENCY SPILLWAY: 2.0m L X 3.0m W X 0.3m D

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS
	CATCHMENT AREA

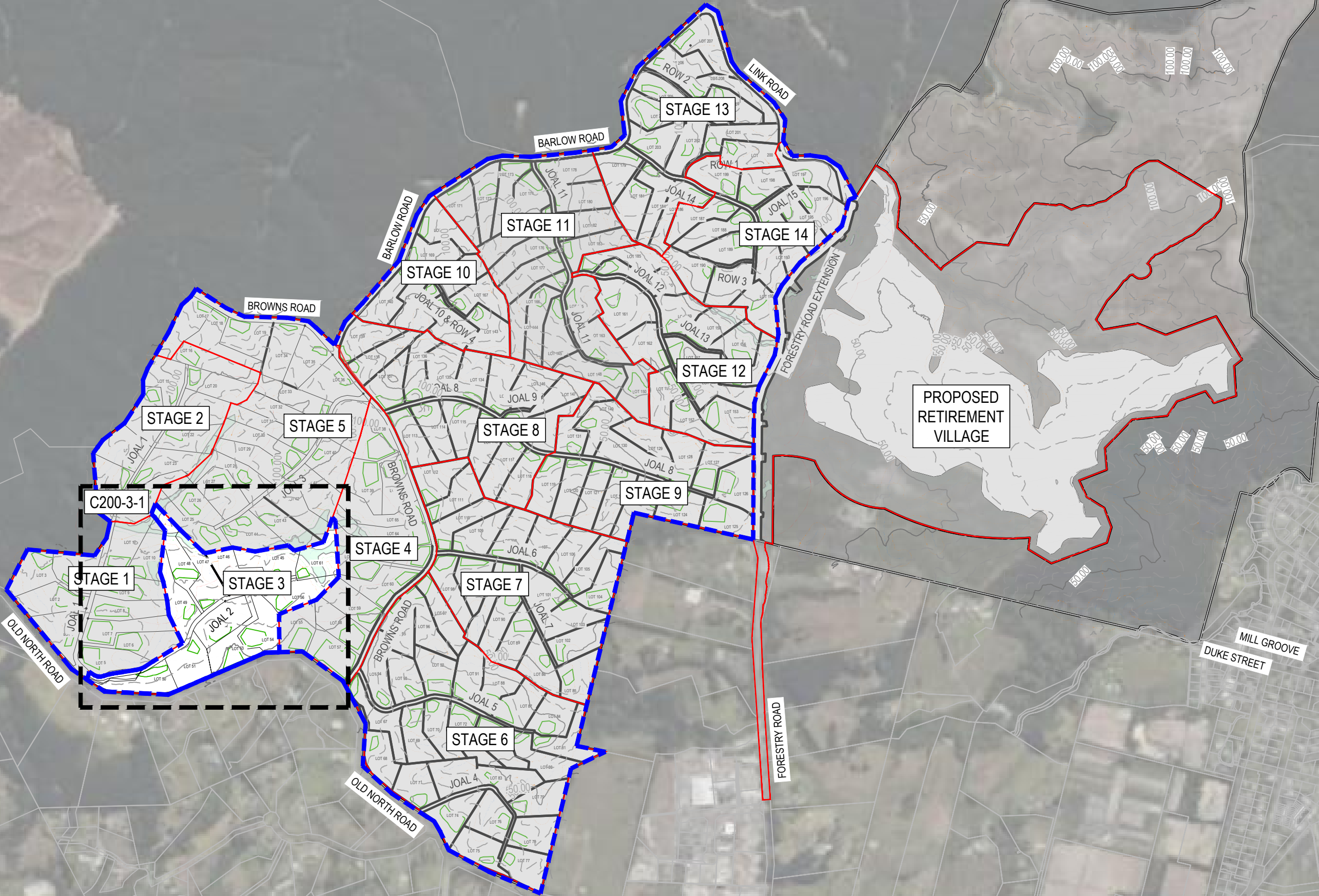
A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED EROSION
SEDIMENT CONTROL
PLAN - STAGE 2**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 2.DWG
Drawing no.	C230-2-1
Rev	A



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

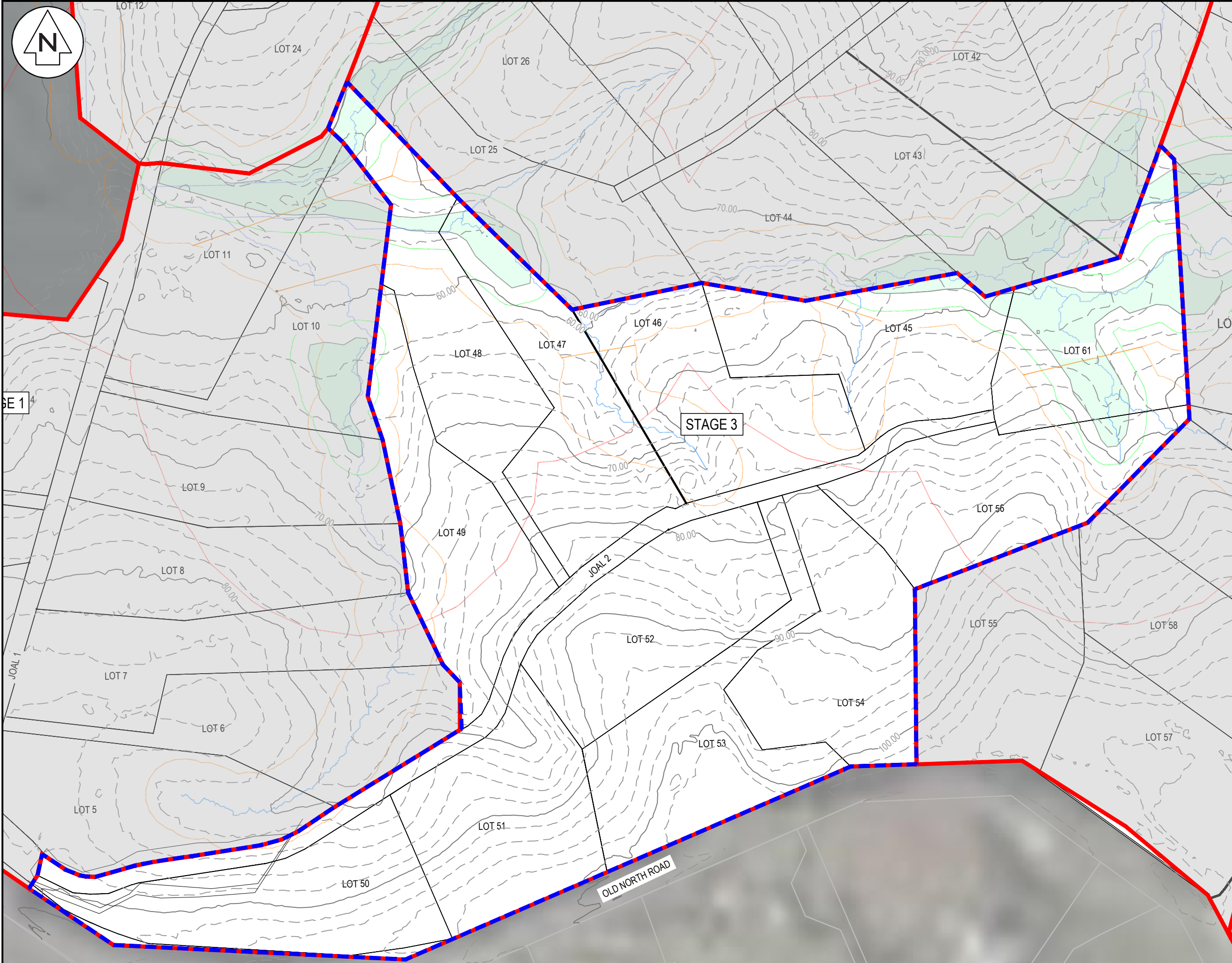
A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 3**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 3.DWG
Drawing no.	C200-3-0
Rev	A



- NOTES
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LEGEND

EX BDY	EX BDY
PROP BDY	PROP BDY
EX MAJOR CONTOUR	EX MAJOR CONTOUR
EX MINOR CONTOUR	EX MINOR CONTOUR
PR MAJOR CONTOUR	PR MAJOR CONTOUR
PR MINOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP EXTENT WORK
PROP CLEANWATER	PROP CLEANWATER
PROP DIRTYWATER	PROP DIRTYWATER
PROP SILT FENCE	PROP SILT FENCE
PROP SUPER SILT FENCE	PROP SUPER SILT FENCE
PROP STOCKPILE	PROP STOCKPILE
PROP DECANT	PROP DECANT
PROP DECANT BAR	PROP DECANT BAR
STAGE BOUNDARY	STAGE BOUNDARY
EXISTING STREAM	EXISTING STREAM
EXISTING WETLAND	EXISTING WETLAND
10m STREAM SETBACK	10m STREAM SETBACK
RIPARIAN YARD	RIPARIAN YARD
20m SETBACK	20m SETBACK
WETLAND AREA	WETLAND AREA
100m SETBACK	100m SETBACK
EARTHWORKS	EARTHWORKS
CATCHMENT AREA	CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

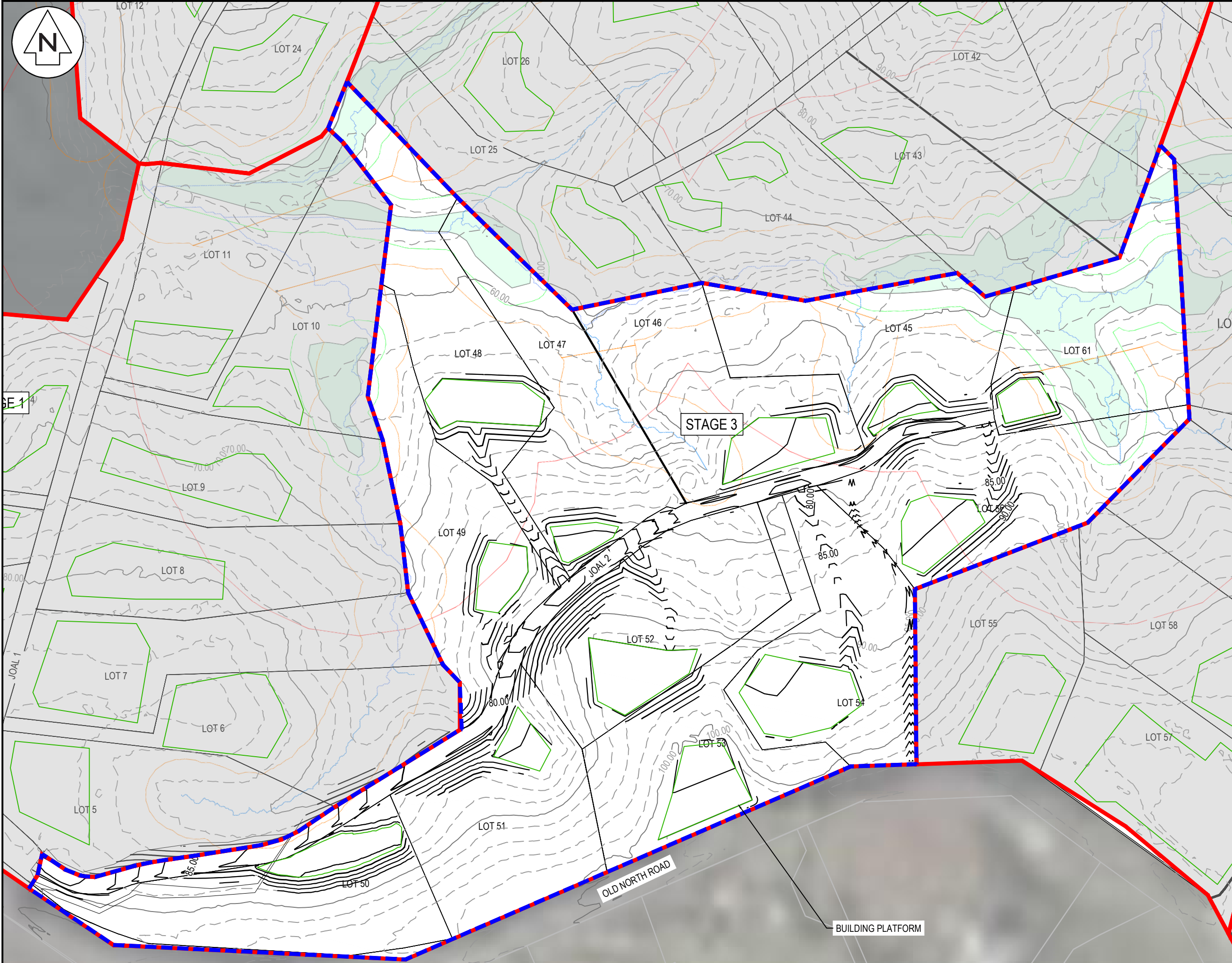
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**EXISTING CONTOUR
PLAN - STAGE 3**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 3.DWG
Drawing no.	C200-3-1
Rev	A

RESOURCE CONSENT



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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project

DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

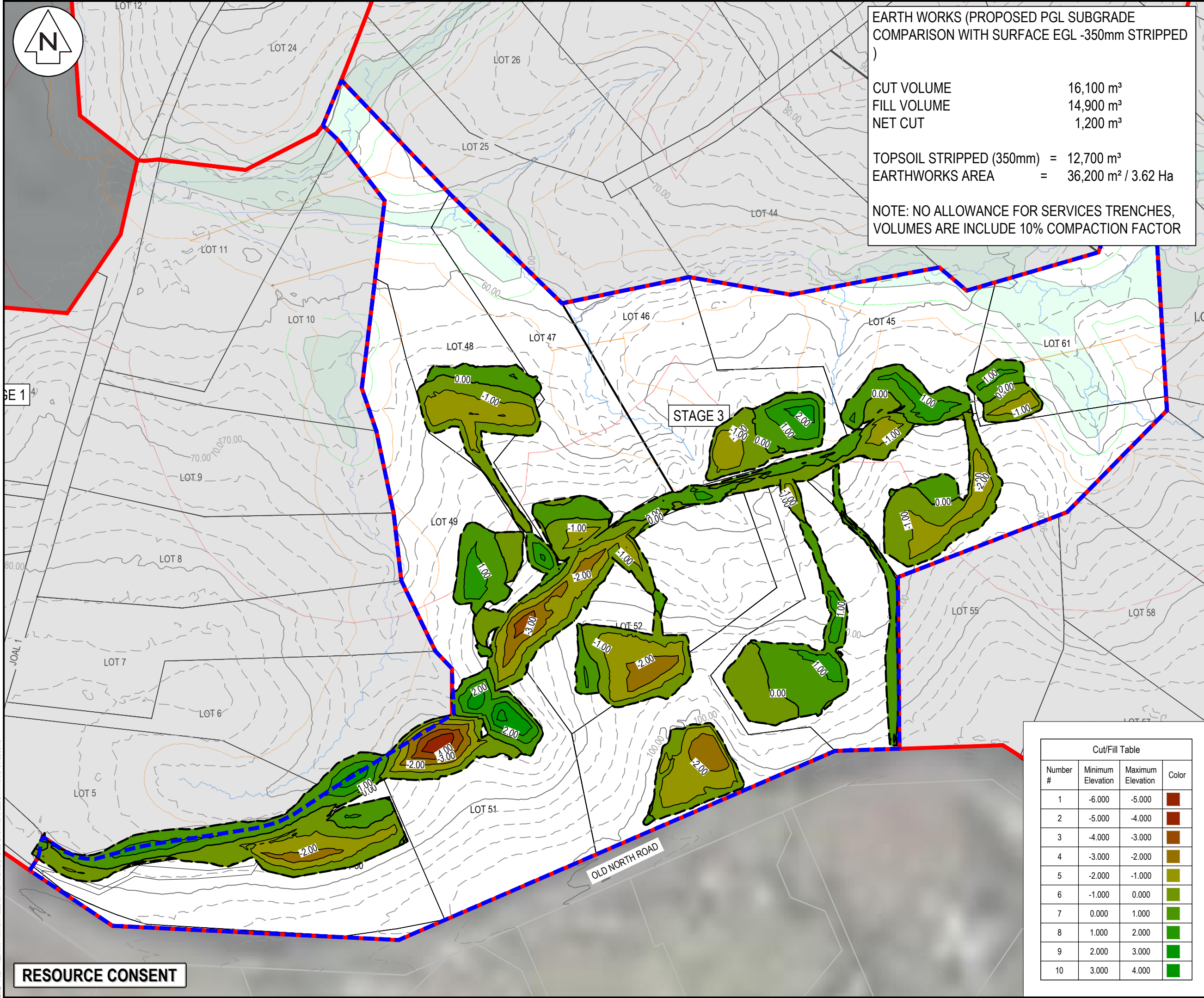
Title

PROPOSED EARTHWORKS CONTOUR PLAN - STAGE 3

Project no.	147007		
Scale	1:2000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 3.DWG		
Drawing no.	C200-3-2	Rev	A

DATE: 4/4/25 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 3.DWG

RESOURCE CONSENT



EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm STRIPPED
)

CUT VOLUME 16,100 m³
FILL VOLUME 14,900 m³
NET CUT 1,200 m³

TOPSOIL STRIPPED (350mm) = 12,700 m³
EARTHWORKS AREA = 36,200 m² / 3.62 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

- NOTES
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LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025



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Project

**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

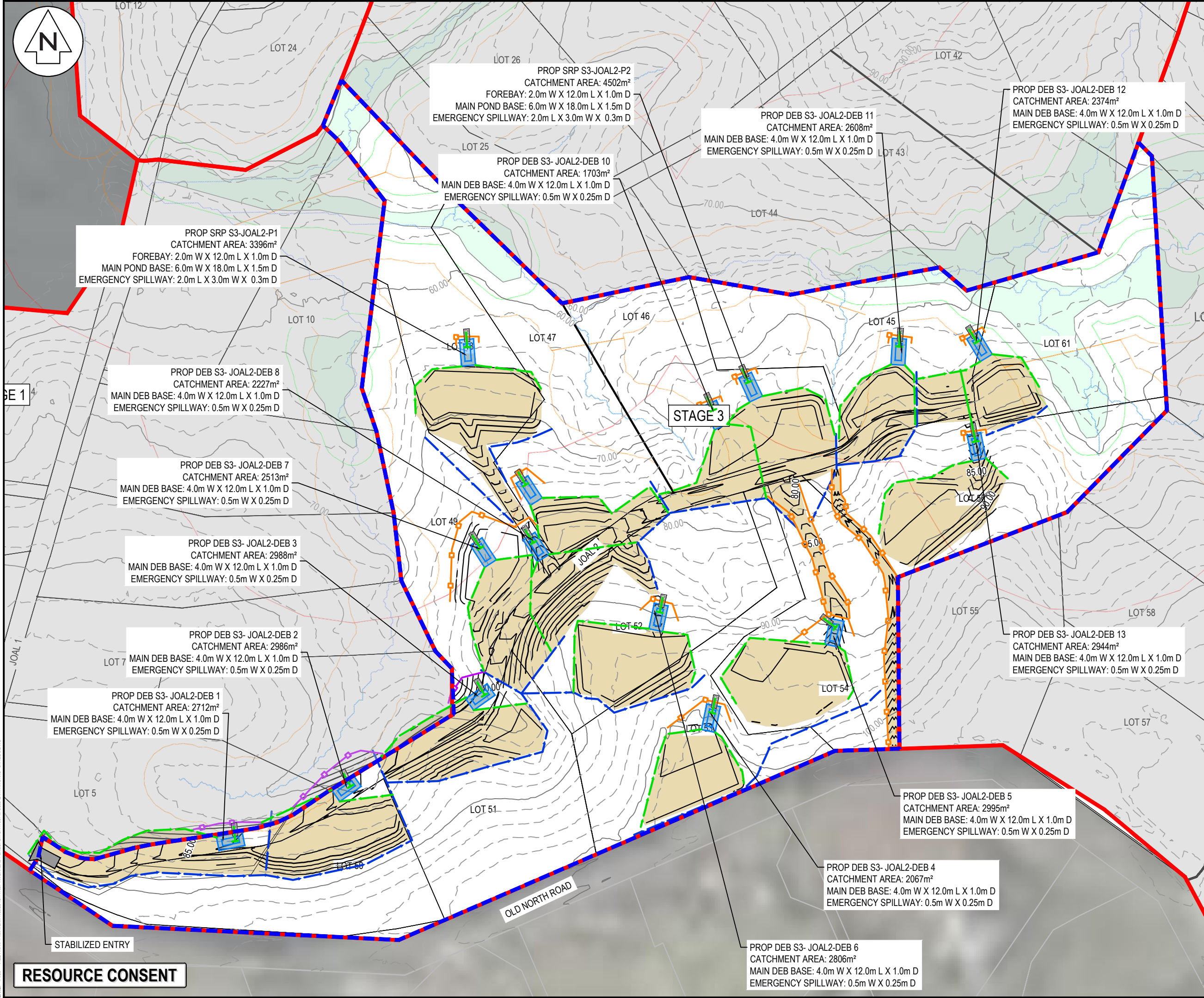
Title

**PROPOSED
CUT/FILL
PLAN - STAGE 3**

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 3.DWG
Drawing no.	C220-3-1
Rev	A

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
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2	-5.000	-4.000	
3	-4.000	-3.000	
4	-3.000	-2.000	
5	-2.000	-1.000	
6	-1.000	0.000	
7	0.000	1.000	
8	1.000	2.000	
9	2.000	3.000	
10	3.000	4.000	

RESOURCE CONSENT



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LEGEND

EX BDY	EX BDY
PROP BDY	PROP BDY
EX MAJOR CONTOUR	EX MAJOR CONTOUR
EX MINOR CONTOUR	EX MINOR CONTOUR
PR MAJOR CONTOUR	PR MAJOR CONTOUR
PR MINOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP EXTENT WORK
PROP CLEANWATER	PROP CLEANWATER
PROP DIRTYWATER	PROP DIRTYWATER
PROP SILT FENCE	PROP SILT FENCE
PROP SUPER SILT FENCE	PROP SUPER SILT FENCE
PROP STOCKPILE	PROP STOCKPILE
PROP DECANT	PROP DECANT
PROP DECANT BAR	PROP DECANT BAR
STAGE BOUNDARY	STAGE BOUNDARY
EXISTING STREAM	EXISTING STREAM
EXISTING WETLAND	EXISTING WETLAND
10m STREAM SETBACK	10m STREAM SETBACK
RIPARIAN YARD	RIPARIAN YARD
20m SETBACK	20m SETBACK
WETLAND AREA	WETLAND AREA
100m SETBACK	100m SETBACK
EARTHWORKS	EARTHWORKS
CATCHMENT AREA	CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project

DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

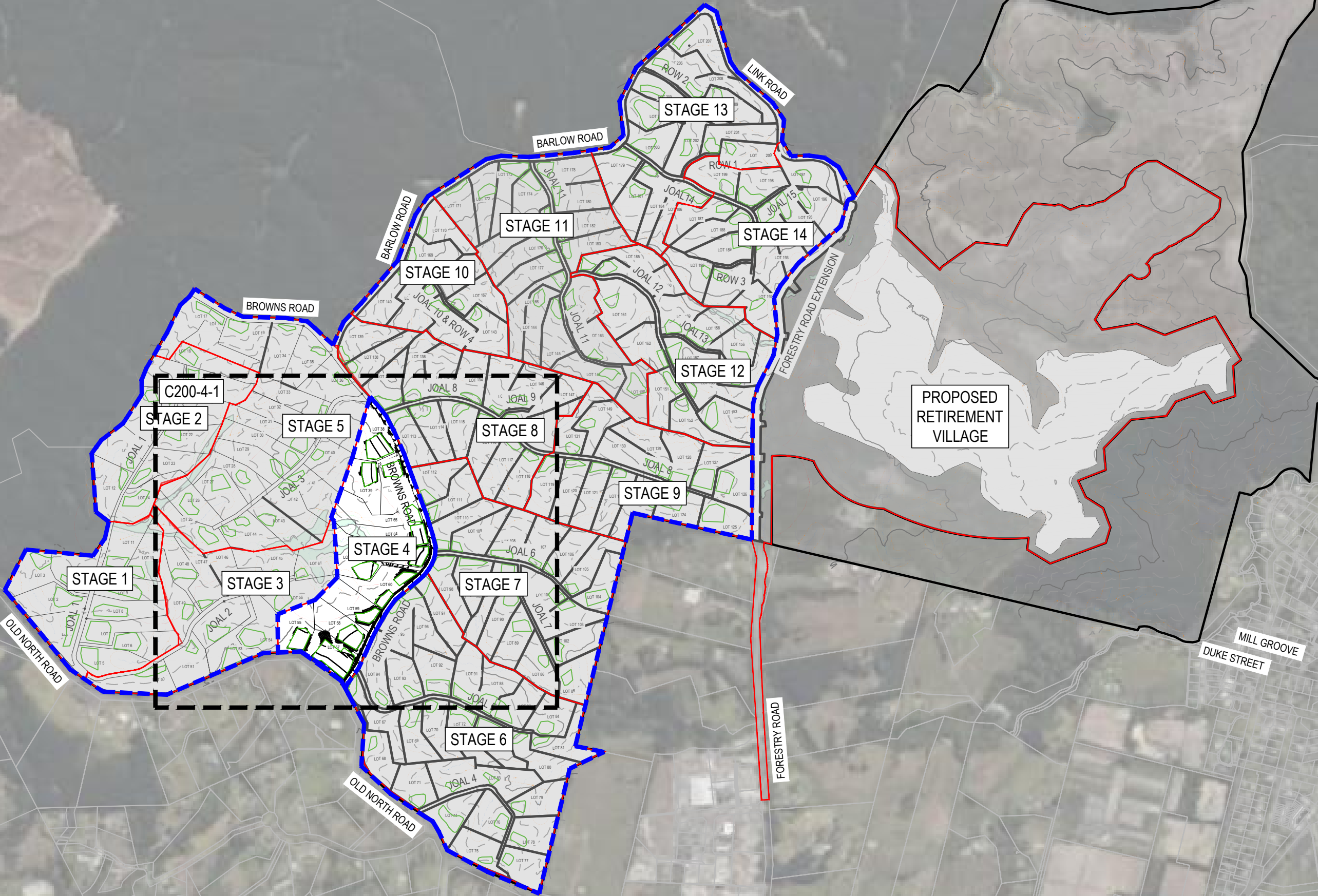
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PROPOSED EROSION SEDIMENT CONTROL PLAN - STAGE 3

Project no.	147007
Scale	1:2000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 3.DWG
Drawing no.	C230-3-1
Rev	A

DATE: 4/4/25 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 3.DWG

RESOURCE CONSENT



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LEGEND

- EX BDY
- PROP BDY
- EX MAJOR CONTOUR
- EX MINOR CONTOUR
- PR MAJOR CONTOUR
- PR MINOR CONTOUR
- PROP EXTENT WORK
- PROP CLEANWATER
- PROP DIRTYWATER
- PROP SILT FENCE
- PROP SUPER SILT FENCE
- PROP STOCKPILE
- PROP DECANT
- PROP DECANT BAR
- STAGE BOUNDARY
- EXISTING STREAM
- EXISTING WETLAND
- 10m STREAM SETBACK
- RIPARIAN YARD
- 20m SETBACK
- WETLAND AREA
- 100m SETBACK
- EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

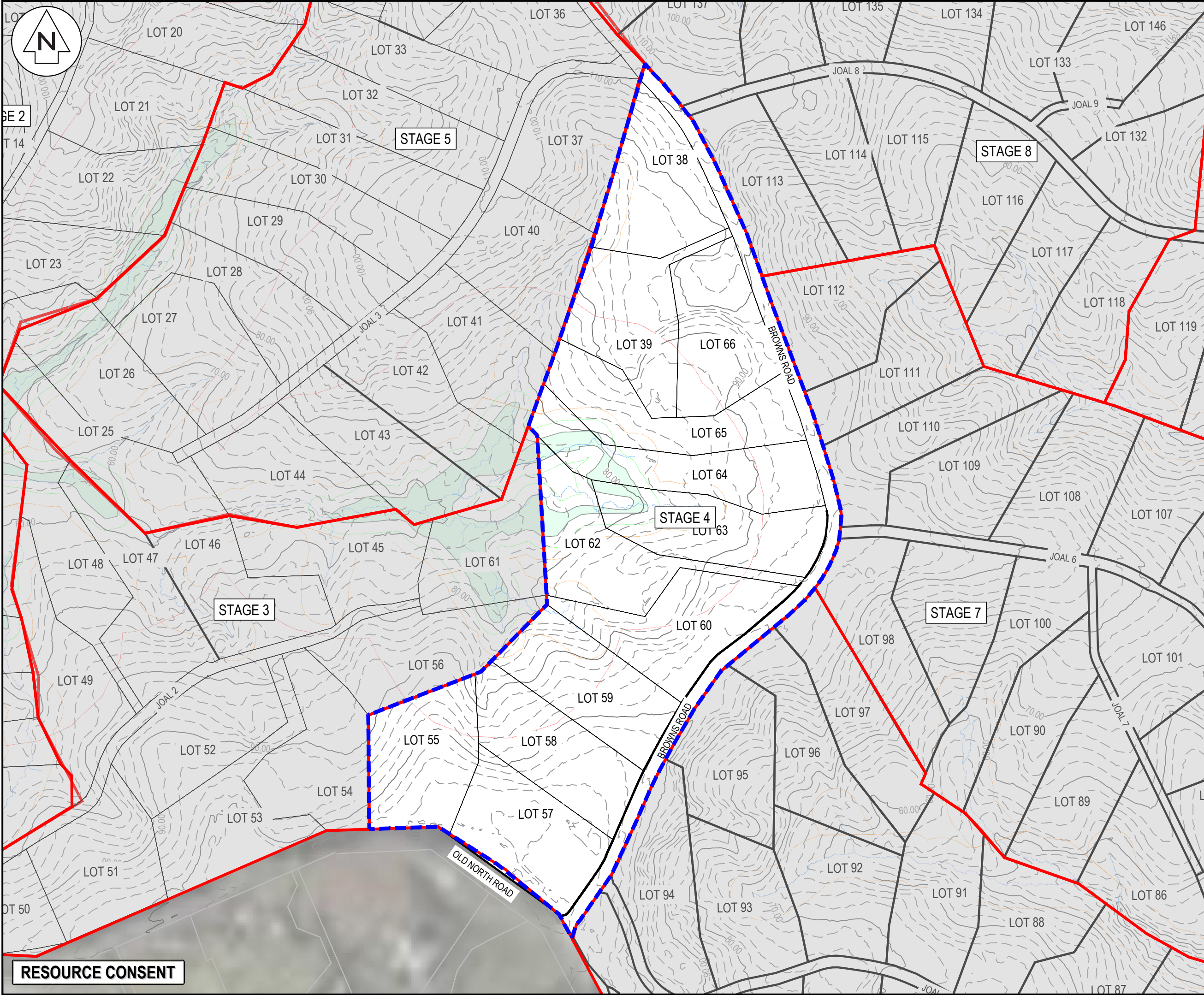
M **Maven Associates**
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 4**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 4.DWG
Drawing no.	C200-4-0
Rev	A

RESOURCE CONSENT



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	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project

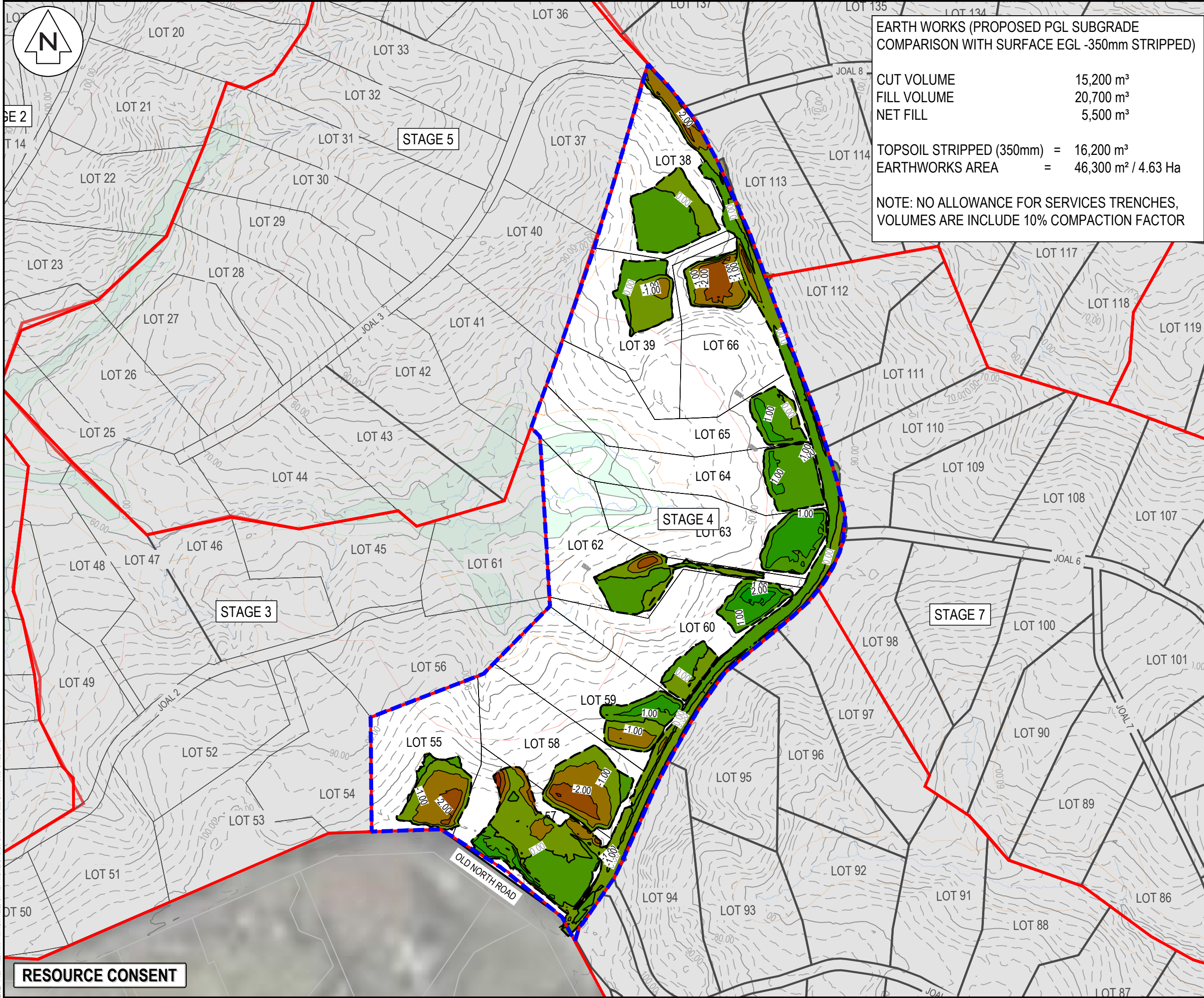
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title

**EXISTING CONTOUR
PLAN - STAGE 4**

Project no.	147007		
Scale	1:3000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 4.DWG		
Drawing no.	C200-4-1	Rev	A

DATE: 4/4/25 FILEPATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 4.DWG



**EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm STRIPPED)**

CUT VOLUME 15,200 m³
FILL VOLUME 20,700 m³
NET FILL 5,500 m³

TOPSOIL STRIPPED (350mm) = 16,200 m³
EARTHWORKS AREA = 46,300 m² / 4.63 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
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LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-4.000	-3.000	
2	-3.000	-2.000	
3	-2.000	-1.000	
4	-1.000	0.000	
5	0.000	1.000	
6	1.000	2.000	
7	2.000	3.000	

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
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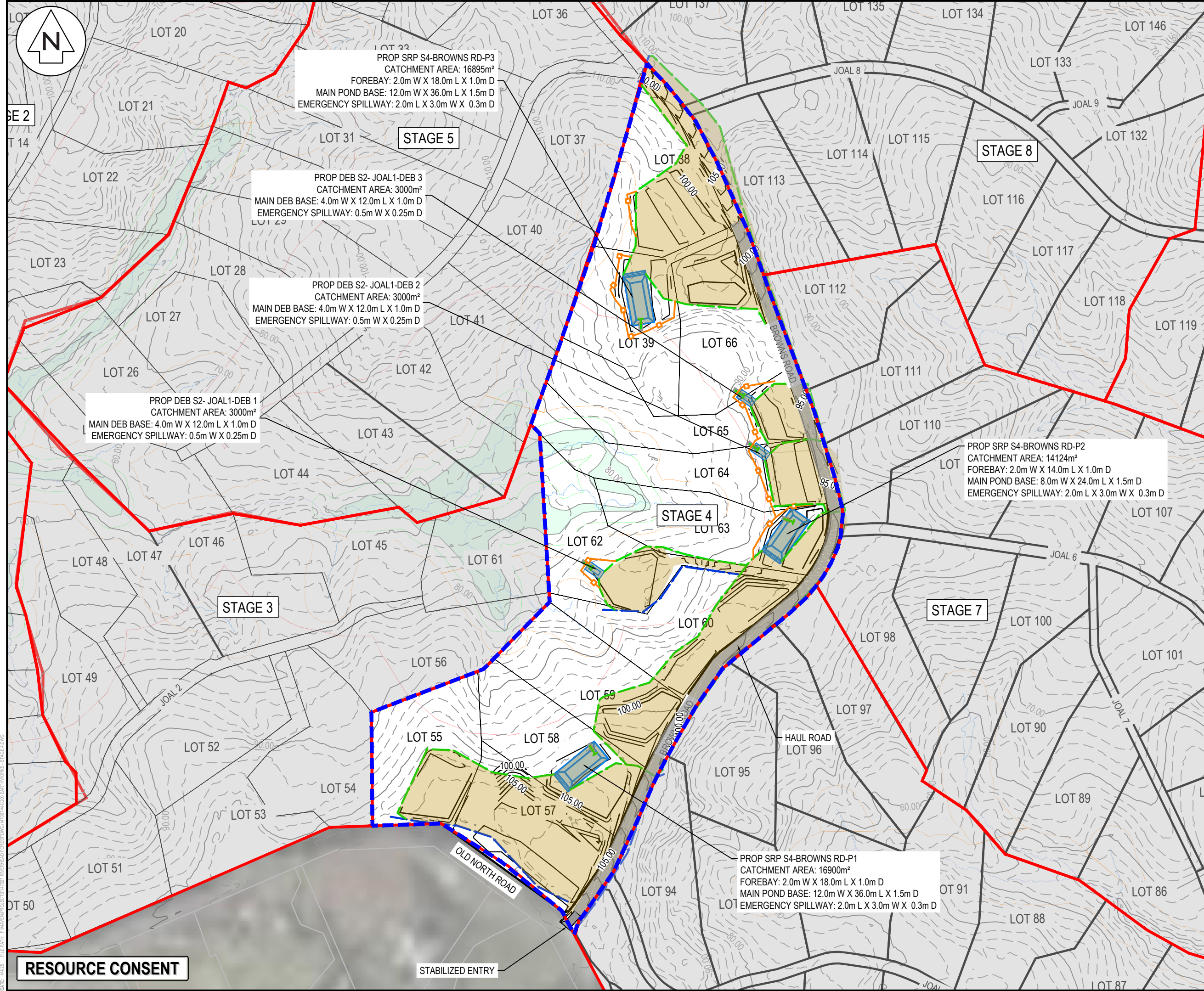
Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 4**

Project no.	147007
Scale	1:3000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 4.DWG
Drawing no.	C220-4-1
Rev	A

RESOURCE CONSENT

DATE: 4/4/25 FILEPATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 4.DWG



NOTES

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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project

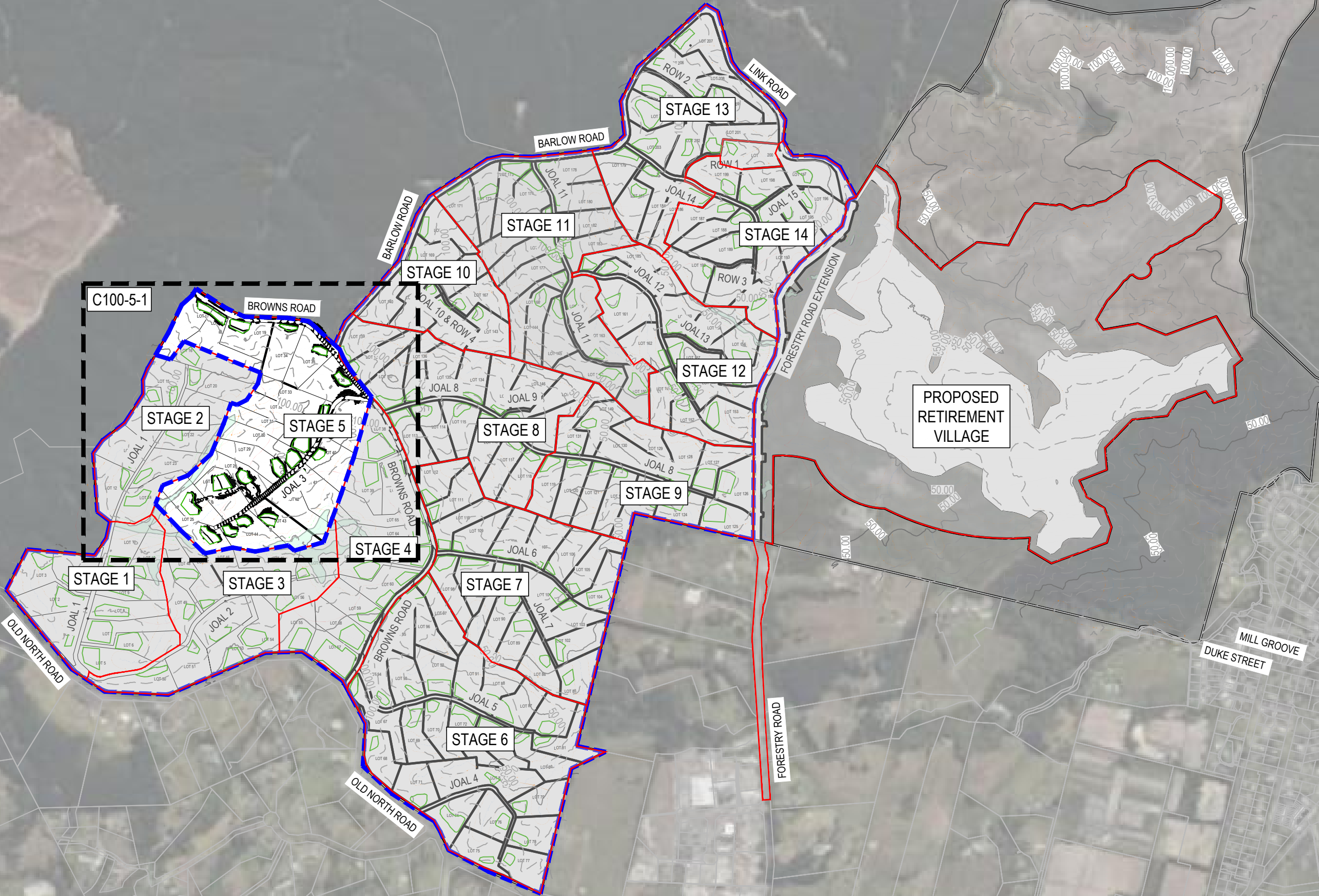
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title

PROPOSED EROSION SEDIMENT CONTROL PLAN - STAGE 4

Project no.	147007		
Scale	1:3000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 4.DWG		
Drawing no.	C230-4-1	Rev	A

DATE: 4/4/25 FILEPATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 4.DWG



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 3. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
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 6. CONTRACTOR SHALL PROVIDE ASBUILT OF WORKING SEDIMENT CONTROL DEVICES AND CONFIRMATION OF POND/DECANT VOLUMES TO ENGINEER.
 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

EX BDY	PROP BDY	EX MAJOR CONTOUR	EX MINOR CONTOUR	PR MAJOR CONTOUR	PR MINOR CONTOUR	PROP EXTENT WORK	PROP CLEANWATER	PROP DIRTYWATER	PROP SILT FENCE	PROP SUPER SILT FENCE	PROP STOCKPILE	PROP DECANT	PROP DECANT BAR	STAGE BOUNDARY	EXISTING STREAM	EXISTING WETLAND	10m STREAM SETBACK	RIPARIAN YARD	20m SETBACK	WETLAND AREA	100m SETBACK	EARTHWORKS CATCHMENT AREA
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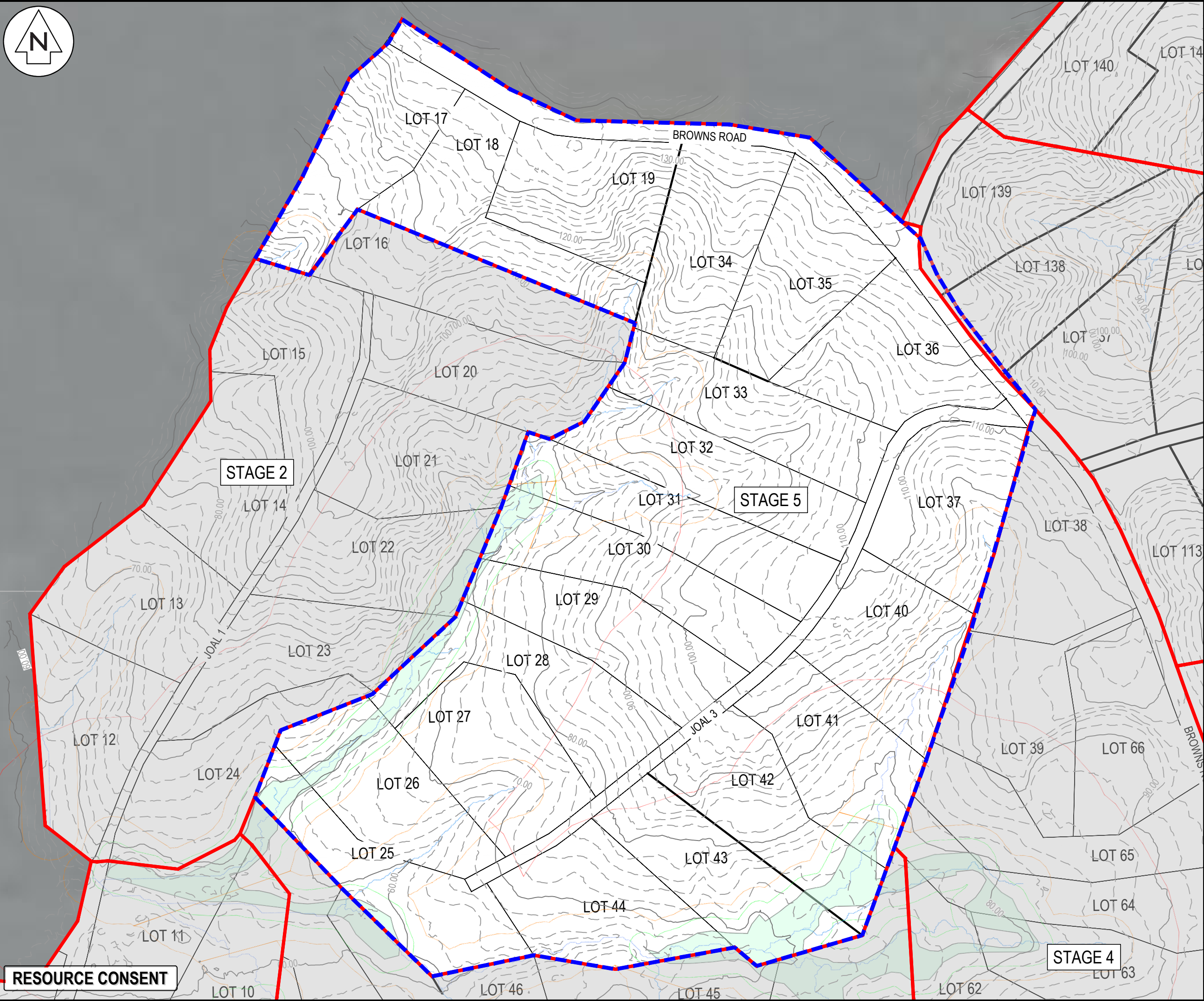
A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 5**

Project no.	147007		
Scale	1:10,000 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 5.DWG		
Drawing no.	C200-5-0	Rev	A



NOTES

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LEGEND

EX BDY	PROP BDY
EX MAJOR CONTOUR	EX MINOR CONTOUR
PR MAJOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP CLEANWATER
PROP DIRTYWATER	PROP SILT FENCE
PROP SUPER SILT FENCE	PROP STOCKPILE
PROP DECANT	PROP DECANT BAR
STAGE BOUNDARY	EXISTING STREAM
EXISTING WETLAND	10m STREAM SETBACK
10m STREAM SETBACK	RIPARIAN YARD
RIPARIAN YARD	20m SETBACK
20m SETBACK	WETLAND AREA
WETLAND AREA	100m SETBACK
100m SETBACK	EARTHWORKS CATCHMENT AREA

Rev	Description	By	Date
A	RESOURCE CONSENT	MA	03/2025
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project

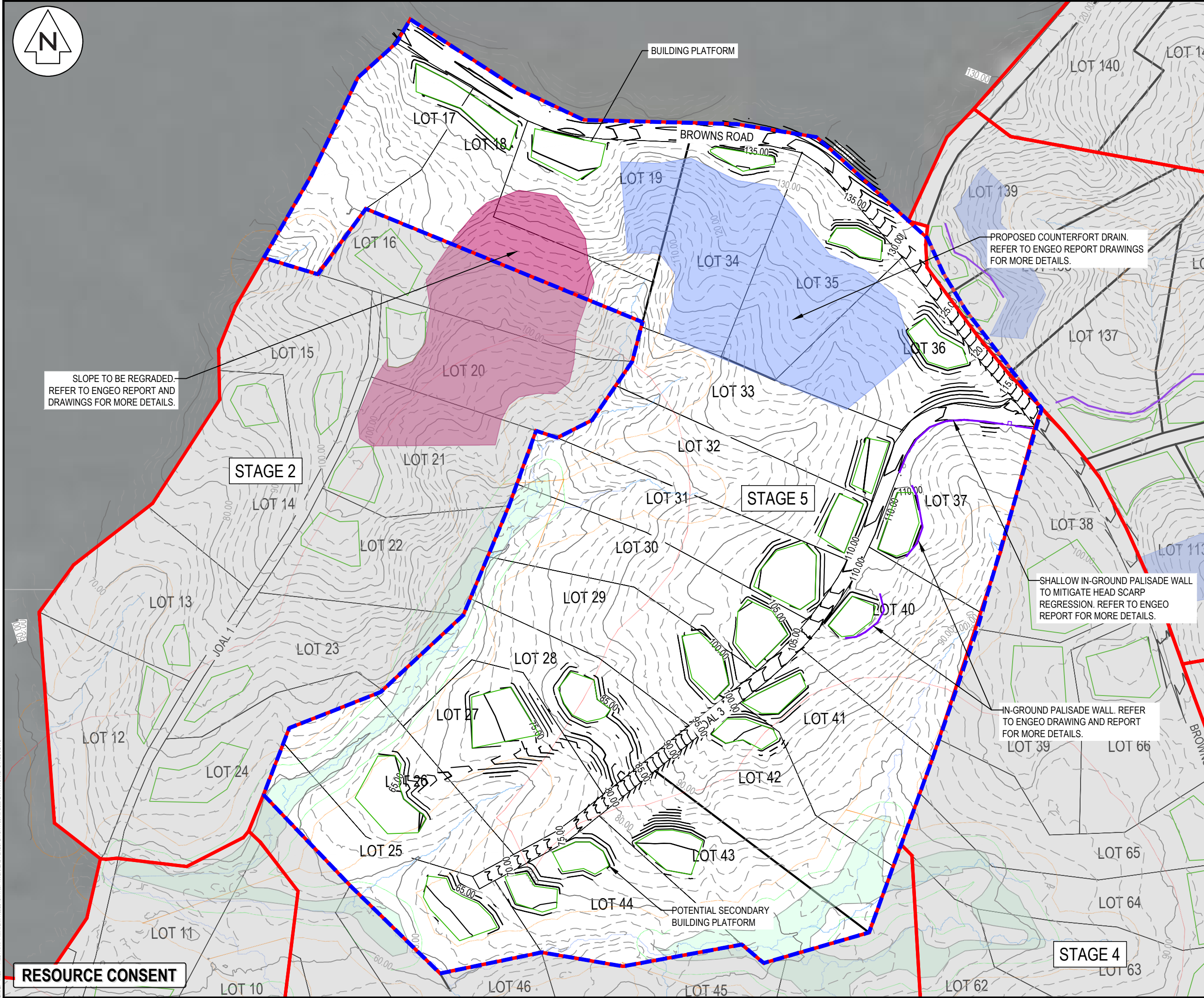
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title

EXISTING CONTOUR PLAN - STAGE 5

Project no.	147007		
Scale	1:2500 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 5.DWG		
Drawing no.	C200-5-1	Rev	A

DATE: 04/05 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007M-C200 EARTHWORKS - STAGE 5.DWG



SLOPE TO BE REGRADED.
REFER TO ENGeo REPORT AND
DRAWINGS FOR MORE DETAILS.

PROPOSED COUNTERFORT DRAIN.
REFER TO ENGeo REPORT DRAWINGS
FOR MORE DETAILS.

SHALLOW IN-GROUND PALISADE WALL
TO MITIGATE HEAD SCARP
REGRESSION. REFER TO ENGeo
REPORT FOR MORE DETAILS.

IN-GROUND PALISADE WALL. REFER
TO ENGeo DRAWING AND REPORT
FOR MORE DETAILS.

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 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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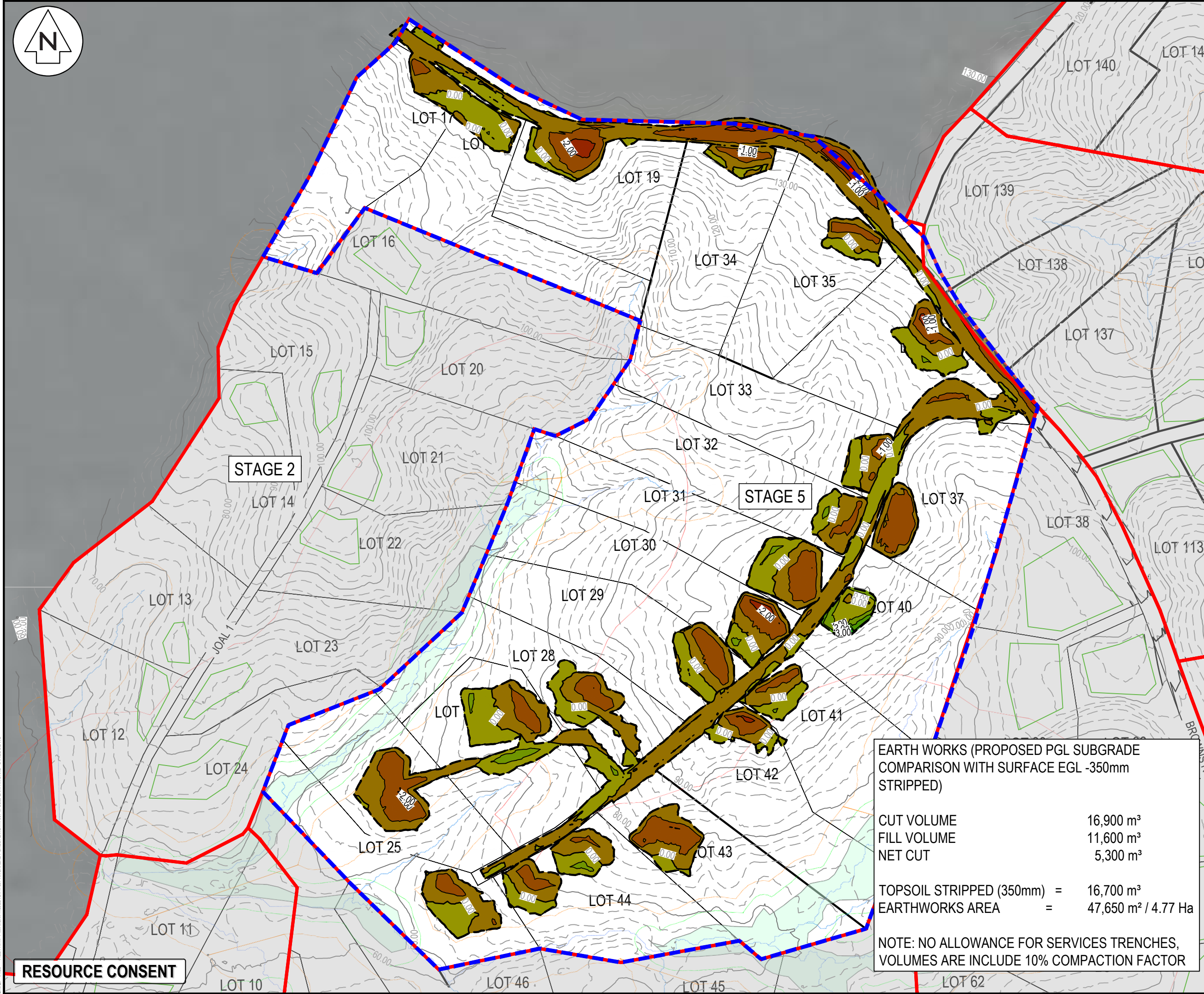
Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS CONTOUR
PLAN - STAGE 5**

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 5.DWG
Drawing no.	C200-5-2
Rev	A



DATE: 04/05 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C220 EARTHWORKS - STAGE 5.DWG



RESOURCE CONSENT

EARTH WORKS (PROPOSED PGL SUBGRADE COMPARISON WITH SURFACE EGL -350mm STRIPPED)

CUT VOLUME	16,900 m ³
FILL VOLUME	11,600 m ³
NET CUT	5,300 m ³

TOPSOIL STRIPPED (350mm)	=	16,700 m ³
EARTHWORKS AREA	=	47,650 m ² / 4.77 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES, VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

- NOTES
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 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-3.000	-2.000	
2	-2.000	-1.000	
3	-1.000	0.000	
4	0.000	1.000	
5	1.000	2.000	
6	2.000	3.000	
7	3.000	4.000	
8	4.000	5.000	
9	5.000	6.000	

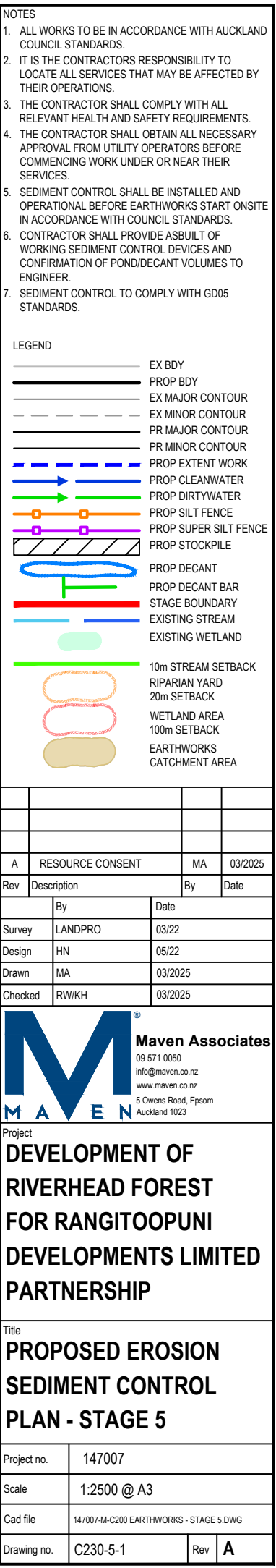
A RESOURCE CONSENT			
Rev	Description	By	Date
Survey	LANDPRO		03/22
Design	HN		05/22
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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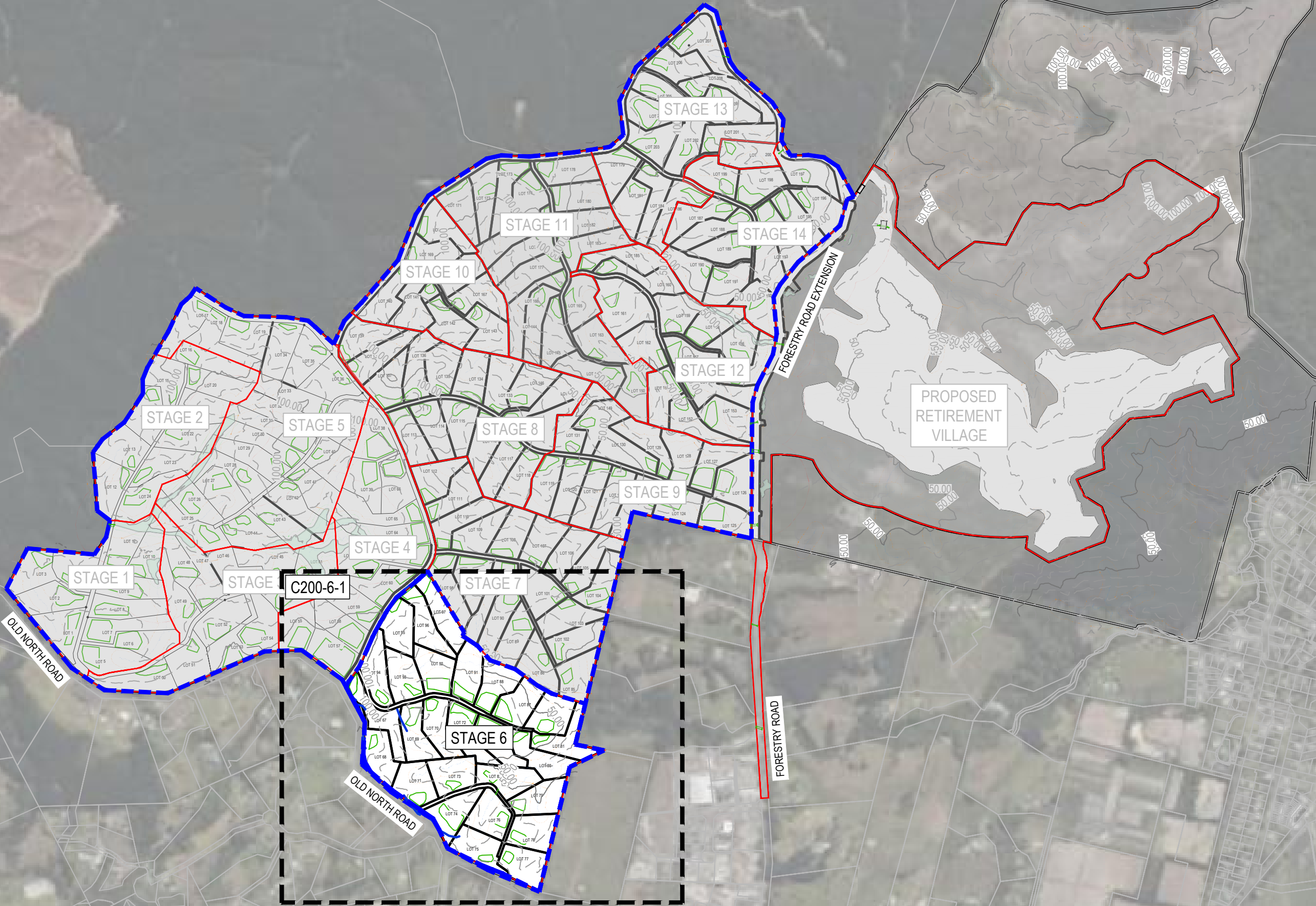
Project
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title
PROPOSED CUT/FILL PLAN - STAGE 5

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C220 EARTHWORKS - STAGE 5.DWG
Drawing no.	C220-5-1
Rev	A



DATE: 4/4/25 FILE PATH: F:\MAVEN\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 5.DWG



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1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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 7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

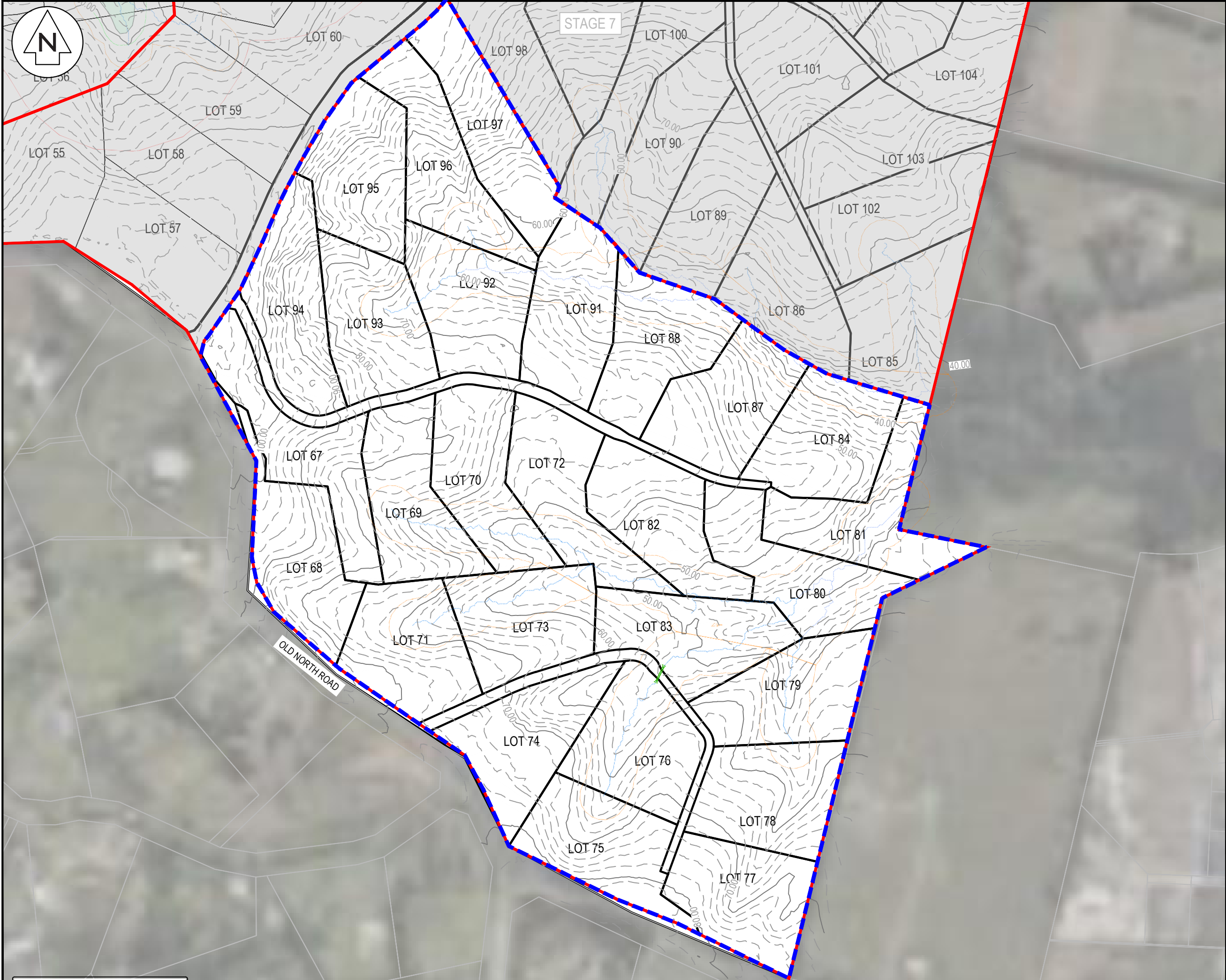
M Maven Associates
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 6**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 6.DWG
Drawing no.	C200-6-0
Rev	A

RESOURCE CONSENT



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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS
	CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

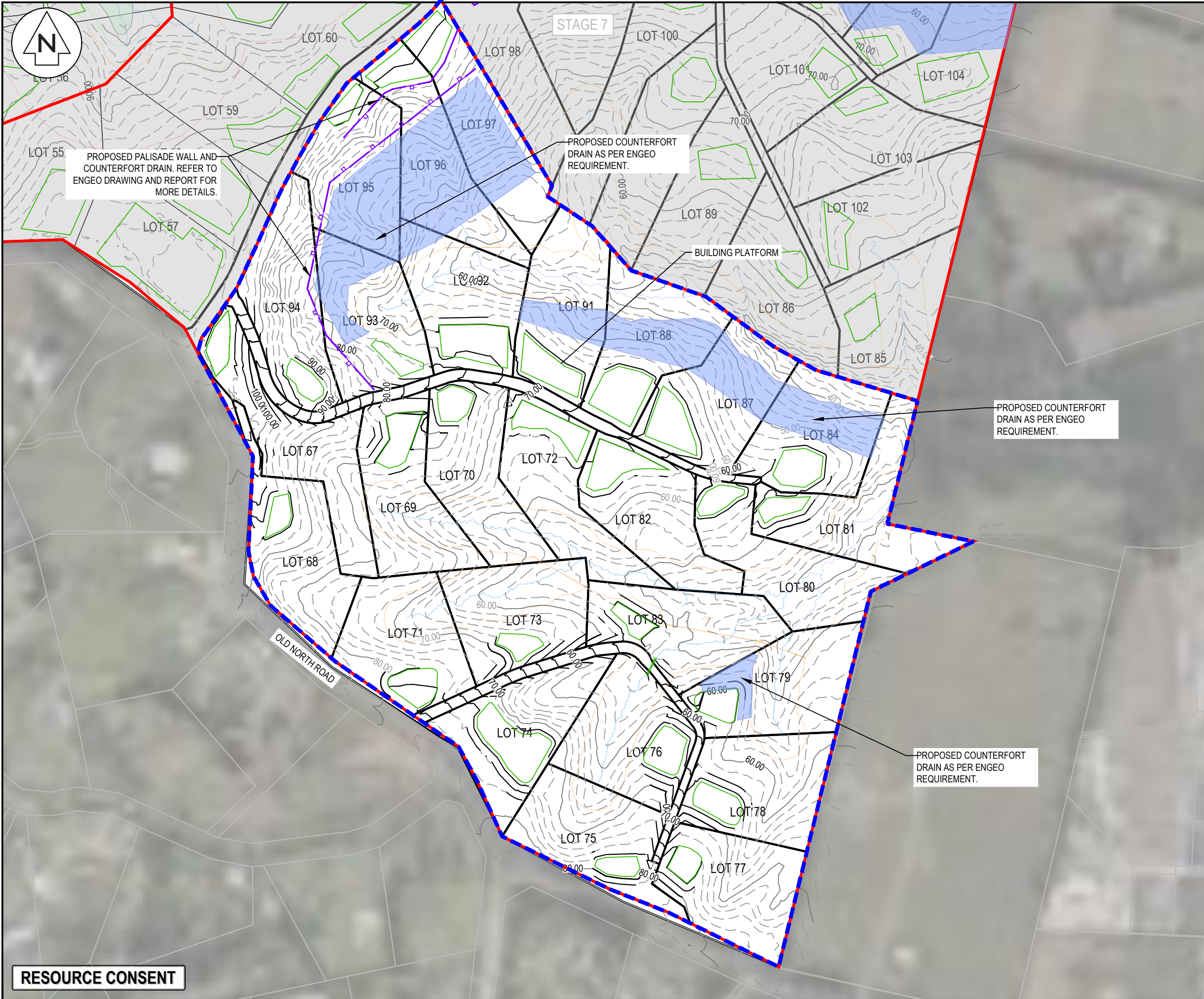
 **Maven Associates**
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**EXISTING CONTOUR
PLAN - STAGE 6**

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 6.DWG
Drawing no.	C200-6-1
Rev	A

RESOURCE CONSENT



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LEGEND	
	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
	By	Date	
Survey	LANDPRO	03/2023	
Design	HN	03/2025	
Drawn	MA	03/2025	
Checked	RW/KH	03/2025	



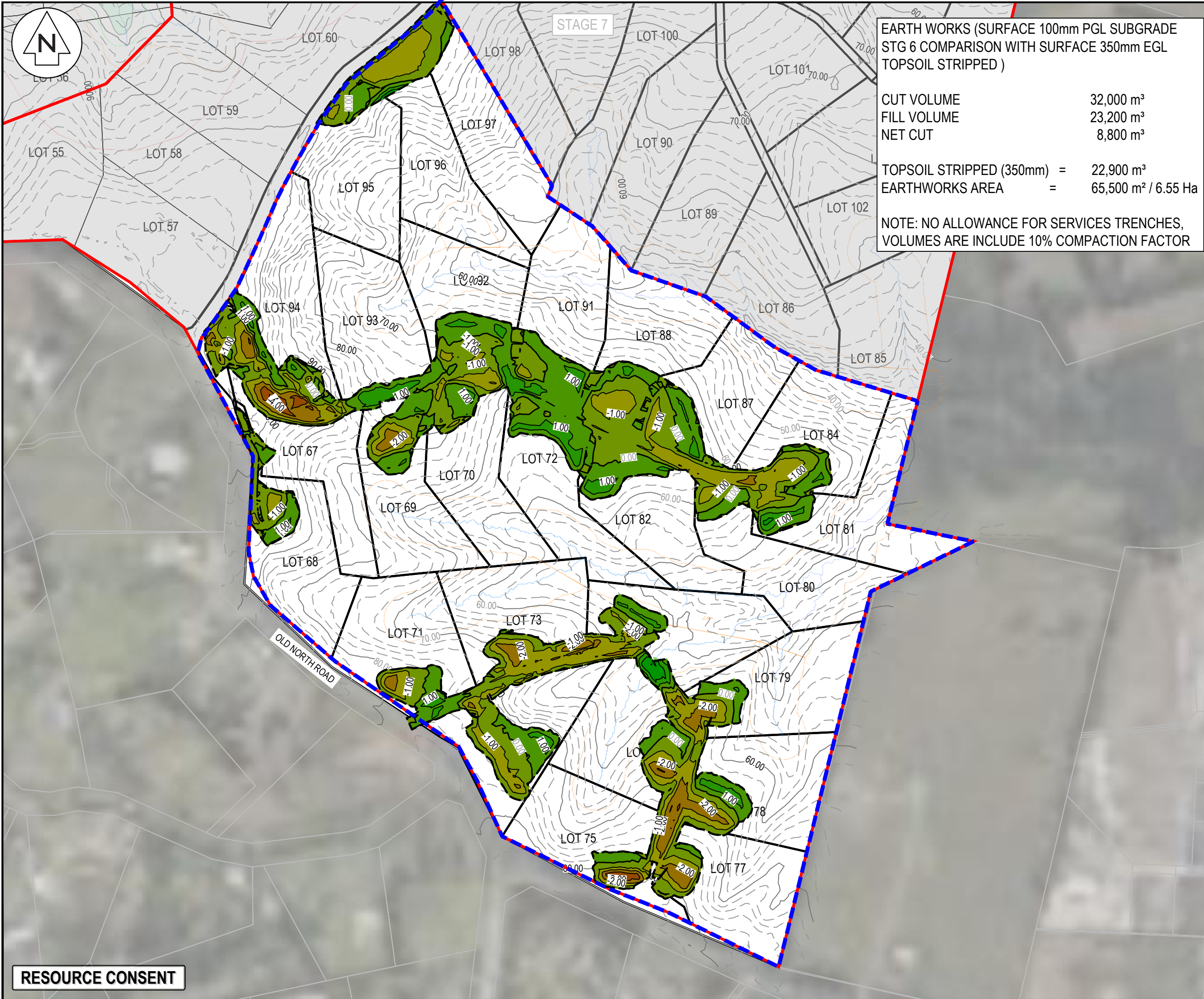
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS CONTOUR
PLAN - STAGE 6**

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 6.DWG
Drawing no.	C200-6-2
Rev	A

RESOURCE CONSENT



EARTH WORKS (SURFACE 100mm PGL SUBGRADE
STG 6 COMPARISON WITH SURFACE 350mm EGL
TOPSOIL STRIPPED)

CUT VOLUME 32,000 m³
FILL VOLUME 23,200 m³
NET CUT 8,800 m³

TOPSOIL STRIPPED (350mm) = 22,900 m³
EARTHWORKS AREA = 65,500 m² / 6.55 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

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LEGEND

EX BDY
PROP BDY
PROP EXTENT WORK

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-5.000	-4.000	
2	-4.000	-3.000	
3	-3.000	-2.000	
4	-2.000	-1.000	
5	-1.000	0.000	
6	0.000	1.000	
7	1.000	2.000	
8	2.000	3.000	
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A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
	By	Date	
Survey	LANDPRO	03/2023	
Design	HN	03/2025	
Drawn	MA	03/2025	
Checked	RW/KH	03/2025	



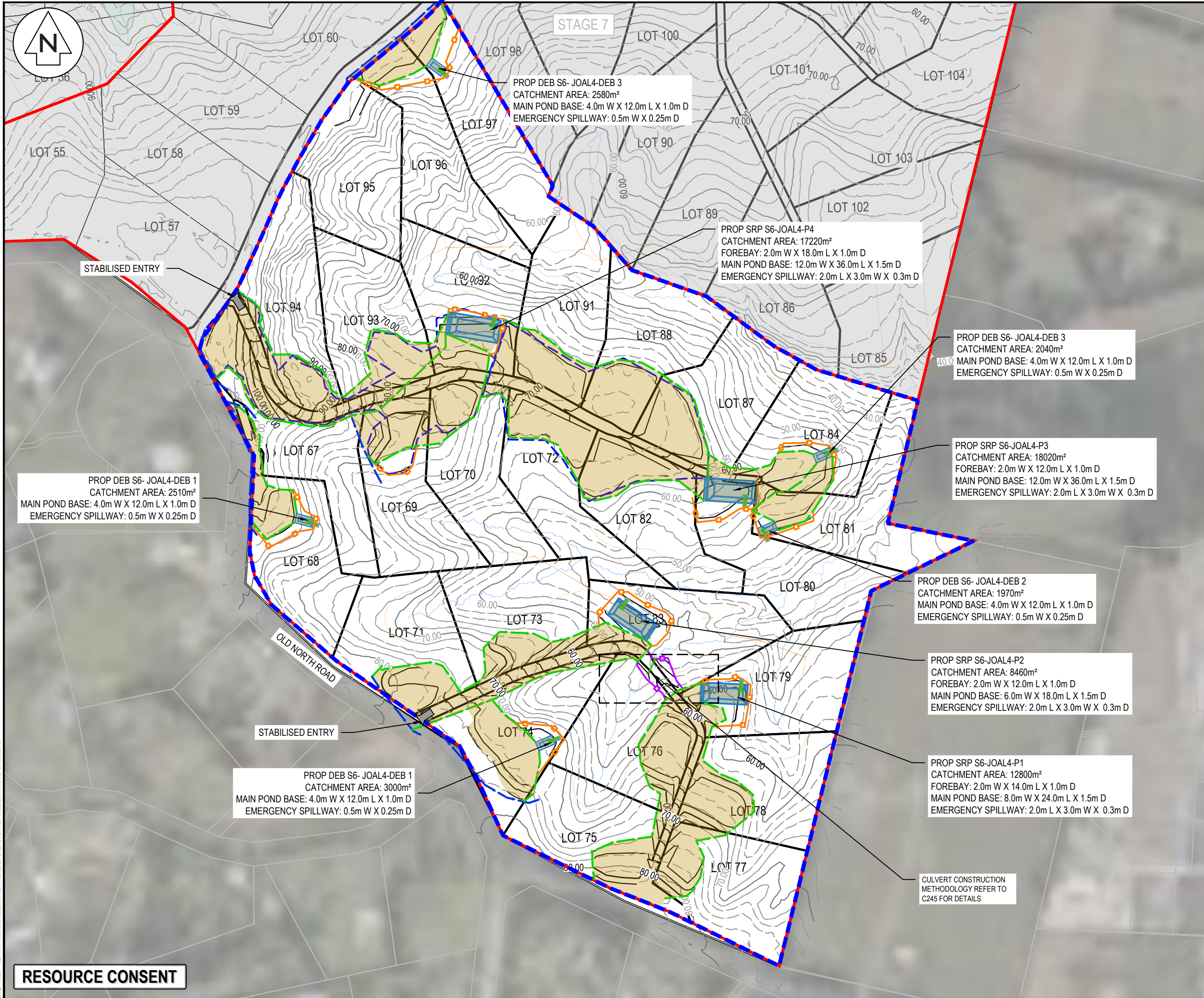
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5 Owens Road, Epsom
Auckland 1023

Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 6**

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 6.DWG
Drawing no.	C220-6-1
Rev	A

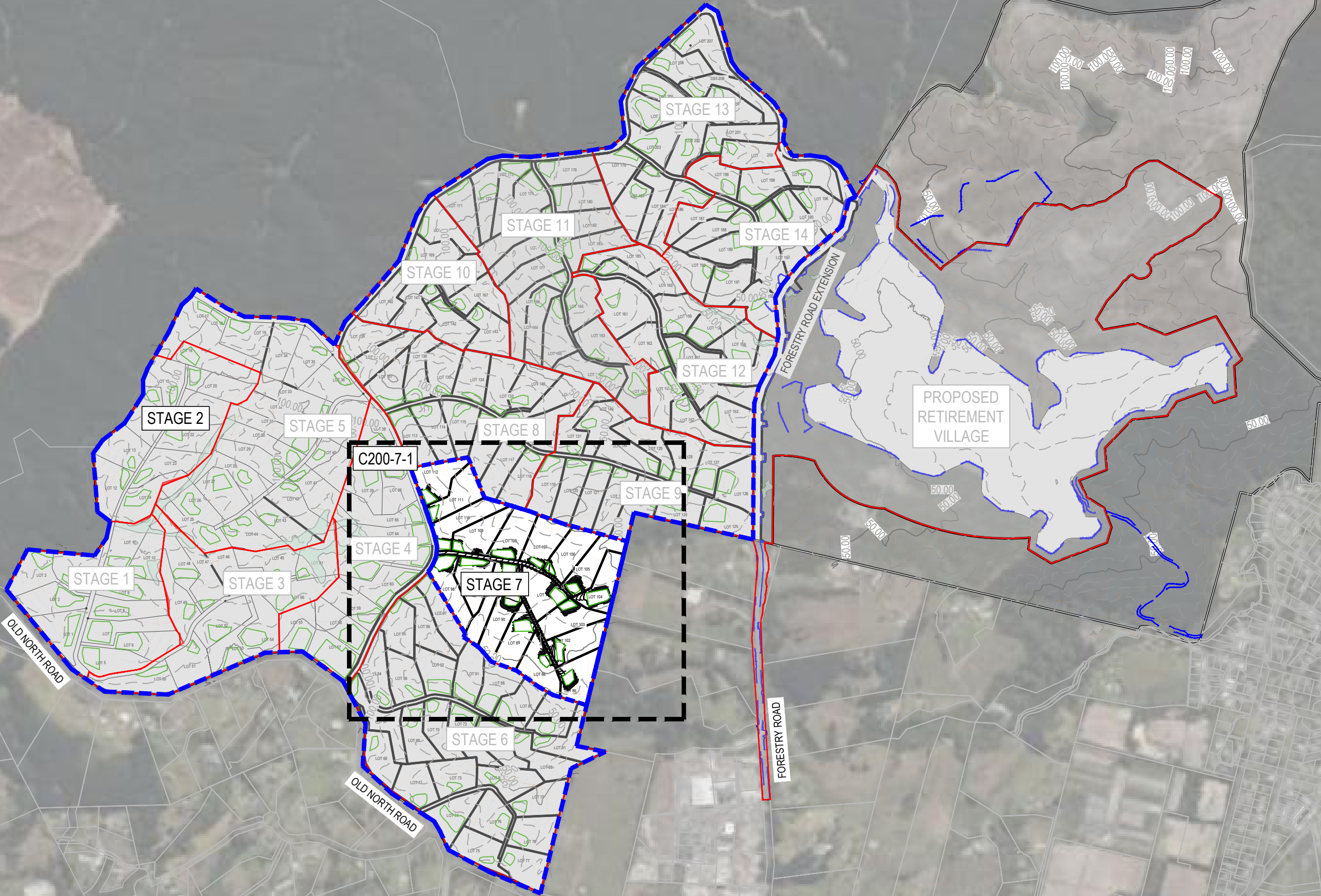
RESOURCE CONSENT



CULVERT CONSTRUCTION
METHODOLOGY REFER TO
C245 FOR DETAILS

Project no.	147007		
Scale	1:2500 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 6.DWG		
Drawing no.	C230-6-1	Rev	A

DATE: 4/4/25 FILE PATH: F:\MAVEN\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-MC200 EARTHWORKS - STAGE 6.DWG



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LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
	By	Date	
Survey	LANDPRO	03/2023	
Design	HN	03/2025	
Drawn	MA	03/2025	
Checked	RW/KH	03/2025	

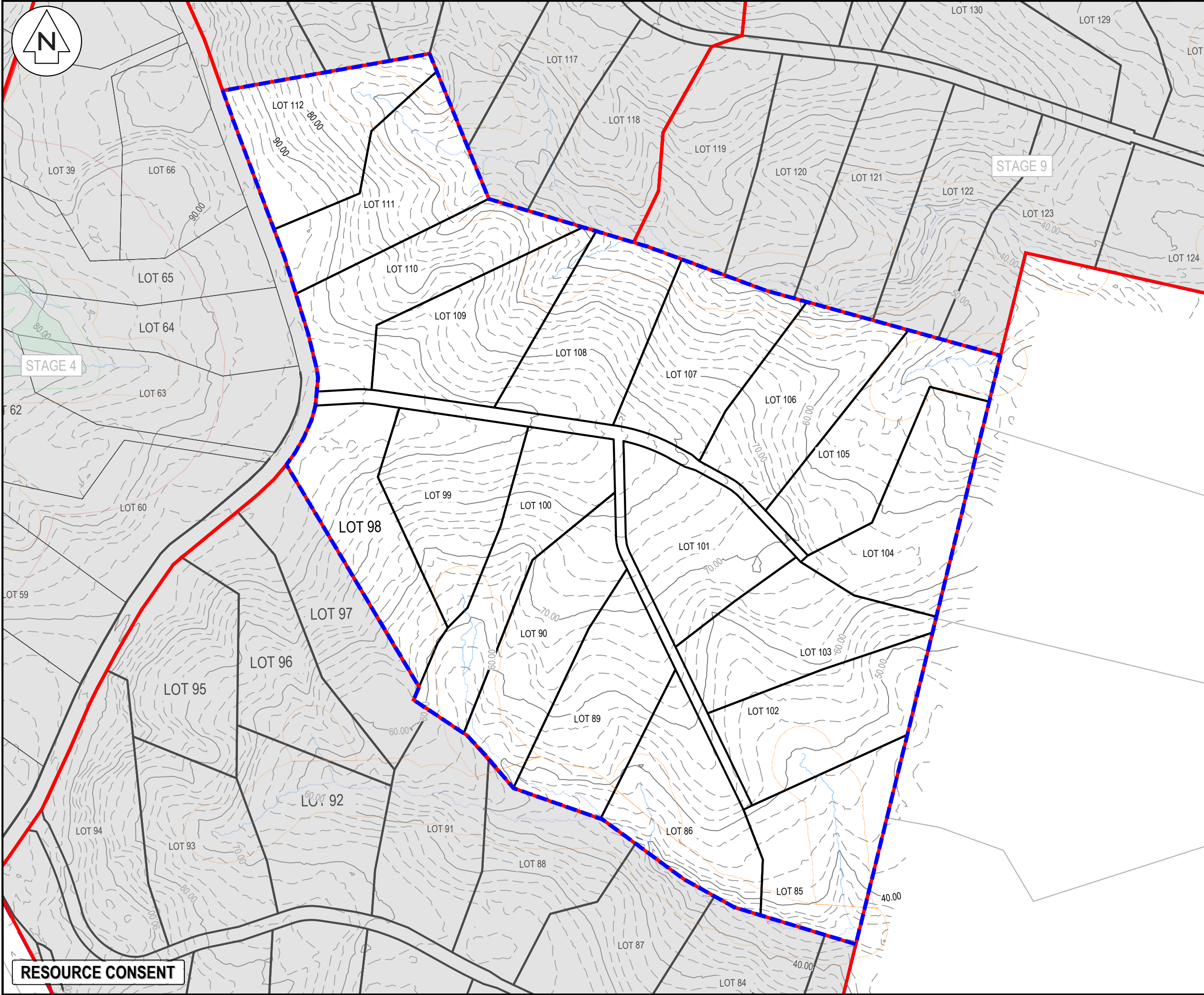
 **Maven Associates**
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOO PUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS
OVERVIEW - STAGE 7**

Project no.	147007
Scale	1:10,000 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 7.DWG
Drawing no.	C200-7-0
Rev	A

RESOURCE CONSENT



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
3. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
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6. CONTRACTOR SHALL PROVIDE ASBUILT OF WORKING SEDIMENT CONTROL DEVICES AND CONFIRMATION OF POND/DECANT VOLUMES TO ENGINEER.
7. SEDIMENT CONTROL TO COMPLY WITH GD05 STANDARDS.

LEGEND

	EX BDY
	PROP BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PROP EXTENT WORK
	PROP CLEANWATER
	PROP DIRTYWATER
	PROP SILT FENCE
	PROP SUPER SILT FENCE
	PROP STOCKPILE
	PROP DECANT
	PROP DECANT BAR
	STAGE BOUNDARY
	EXISTING STREAM
	EXISTING WETLAND
	10m STREAM SETBACK
	RIPARIAN YARD
	20m SETBACK
	WETLAND AREA
	100m SETBACK
	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

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Project

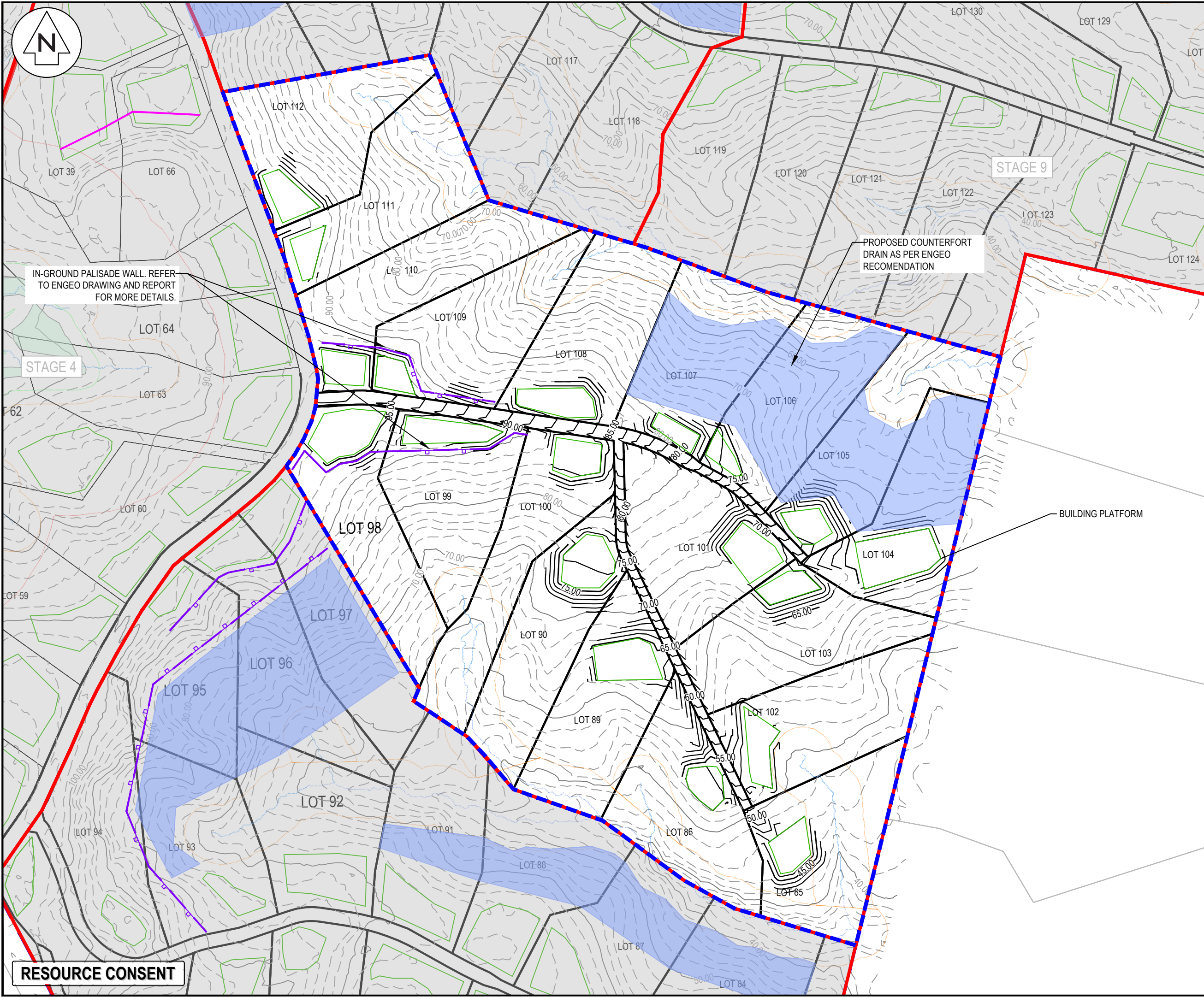
DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title

EXISTING CONTOUR PLAN - STAGE 7

Project no.	147007		
Scale	1:2500 @ A3		
Cad file	147007-M-C200 EARTHWORKS - STAGE 7.DWG		
Drawing no.	C200-7-1	Rev	A

DATE: 14/05 FILE PATH: F:\MVEN\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 7.DWG



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EX BDY	PROP BDY
EX MAJOR CONTOUR	EX MINOR CONTOUR
PR MAJOR CONTOUR	PR MINOR CONTOUR
PROP EXTENT WORK	PROP CLEANWATER
PROP DIRTYWATER	PROP SILT FENCE
PROP SUPER SILT FENCE	PROP STOCKPILE
PROP DECANT	PROP DECANT BAR
STAGE BOUNDARY	EXISTING STREAM
EXISTING WETLAND	10m STREAM SETBACK
10m STREAM SETBACK	20m SETBACK
20m SETBACK	WETLAND AREA
WETLAND AREA	100m SETBACK
100m SETBACK	EARTHWORKS CATCHMENT AREA

A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025

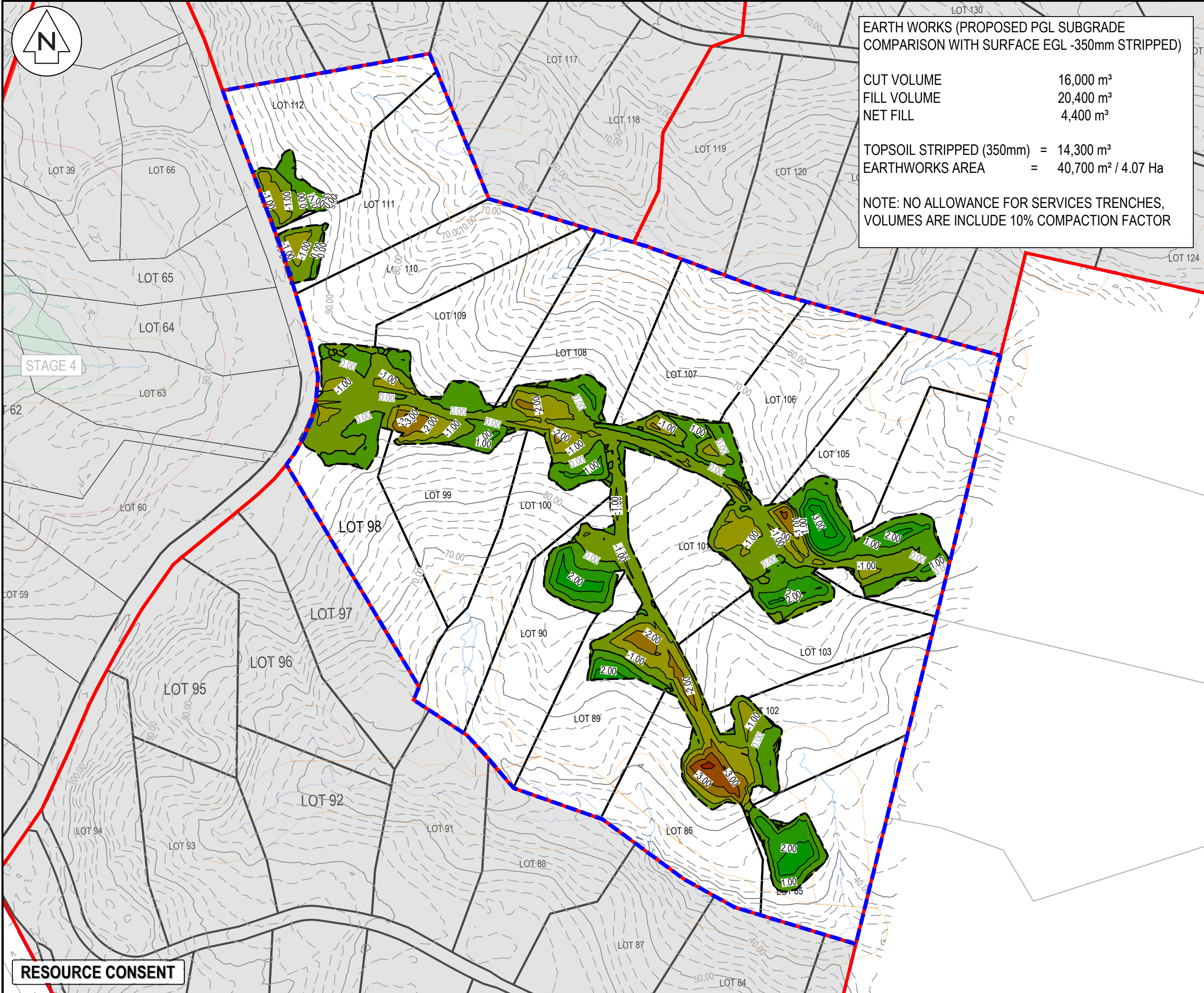
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Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
EARTHWORKS CONTOUR
PLAN - STAGE 7**

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 7.DWG
Drawing no.	C200-7-2
Rev	A

DATE: 14/03 FILE PATH: F:\Maven\PROJECTS\147007 RIVERHEAD FOREST\DWG\147007-M-C200 EARTHWORKS - STAGE 7.DWG



EARTH WORKS (PROPOSED PGL SUBGRADE
COMPARISON WITH SURFACE EGL -350mm STRIPPED)

CUT VOLUME 16,000 m³
FILL VOLUME 20,400 m³
NET FILL 4,400 m³

TOPSOIL STRIPPED (350mm) = 14,300 m³
EARTHWORKS AREA = 40,700 m² / 4.07 Ha

NOTE: NO ALLOWANCE FOR SERVICES TRENCHES,
VOLUMES ARE INCLUDE 10% COMPACTION FACTOR

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EX BDY
PROP BDY
PROP EXTENT WORK

Cut/Fill Table			
Number #	Minimum Elevation	Maximum Elevation	Color
1	-5.000	-4.000	
2	-4.000	-3.000	
3	-3.000	-2.000	
4	-2.000	-1.000	
5	-1.000	0.000	
6	0.000	1.000	
7	1.000	2.000	
8	2.000	3.000	
9	3.000	4.000	

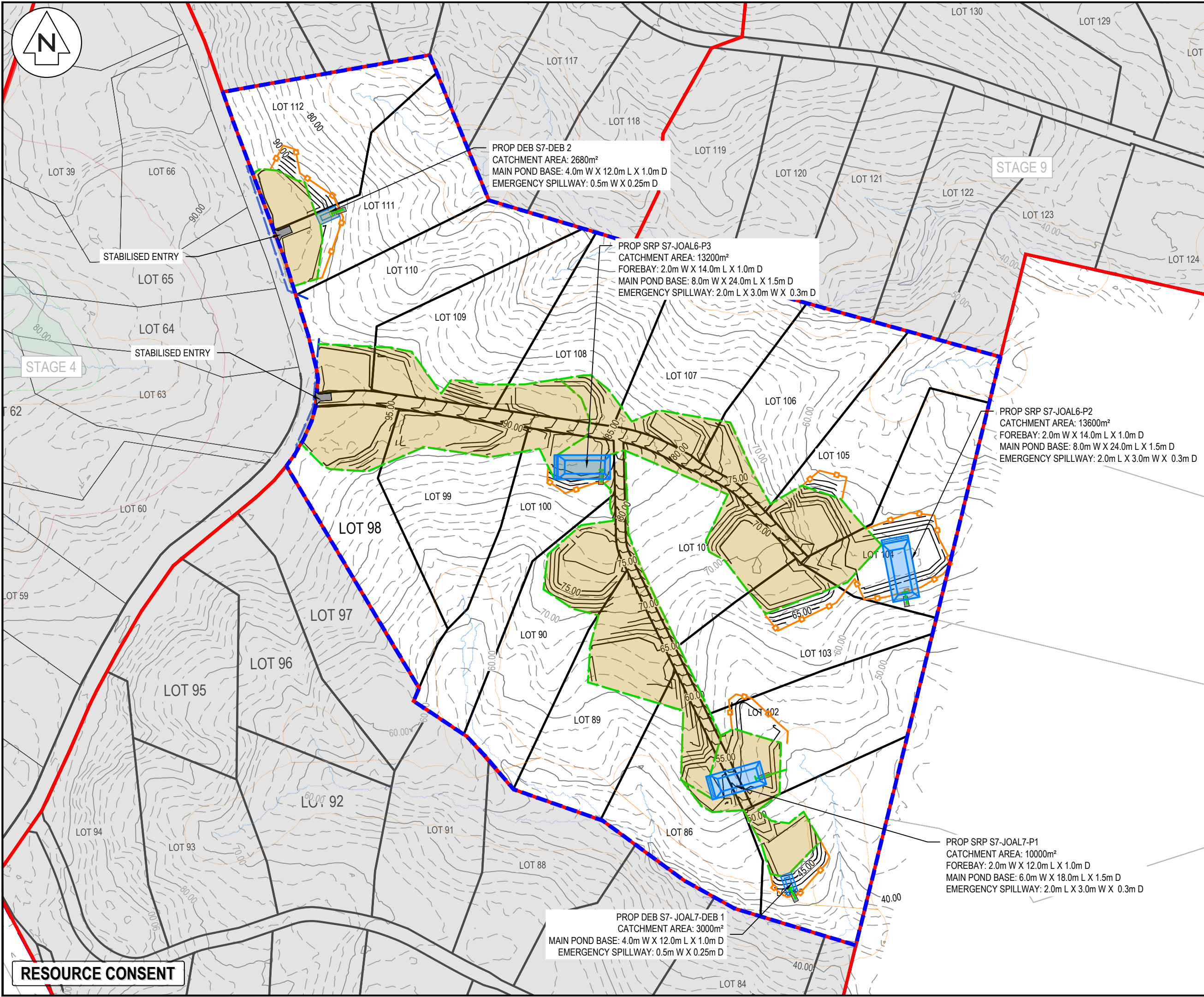
A	RESOURCE CONSENT	MA	03/2025
Rev	Description	By	Date
		By	Date
Survey	LANDPRO		03/2023
Design	HN		03/2025
Drawn	MA		03/2025
Checked	RW/KH		03/2025



Project
**DEVELOPMENT OF
RIVERHEAD FOREST
FOR RANGITOOPUNI
DEVELOPMENTS LIMITED
PARTNERSHIP**

Title
**PROPOSED
CUT/FILL
PLAN - STAGE 7**

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 7.DWG
Drawing no.	C220-7-1
Rev	A



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DEVELOPMENT OF RIVERHEAD FOREST FOR RANGITOOPUNI DEVELOPMENTS LIMITED PARTNERSHIP

Title

PROPOSED EROSION SEDIMENT CONTROL PLAN - STAGE 7

Project no.	147007
Scale	1:2500 @ A3
Cad file	147007-M-C200 EARTHWORKS - STAGE 7.DWG
Drawing no.	C230-7-1
Rev	A