

NOTES:

- All work shall be done in accordance with the Ruapehu District Council Code of Practice.
- Reduced Levels are in terms of NZ Vertical Datum 2016
Level Origin : EBC7 OIT IV DP 44819
RL : 595.70
Contour Interval = Major 0.5m
Minor 0.1m
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- All disturbed areas shall be re-topped and grassed within 30 days upon completion of contract works. Dust control shall be maintained until grassed areas have become established.

Legend:

- Stage 1 (Extent of Works)
- Extent of assessed wetlands
- 10 m wetland buffer zone

Rev	Date	Amendment	By	Chk	App
D	21/06/23	Extent of Works Updated	PH	SP	SP
C	02/06/23	Earthworks Adjusted	SC	AT	SP
B	31/05/23	Earthworks adjusted for wetland	RFK	SP	SP
A	22/05/23	Subdivision Consent	PH	RFK	SP

Project Title

**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title

**Stage 1 Earthworks
Proposed Contour Plan
Sheet 1 of 2**

Surveyed	G Ripoll	02/11/22	GR
Designed	R.Kigour	05/23	RFK
Drawn	P.Harris	18/05/23	PH
Checked	R.Kigour	18/05/23	RFK
Approved	S.Prasad	22/05/23	SP

Status

INFORMATION

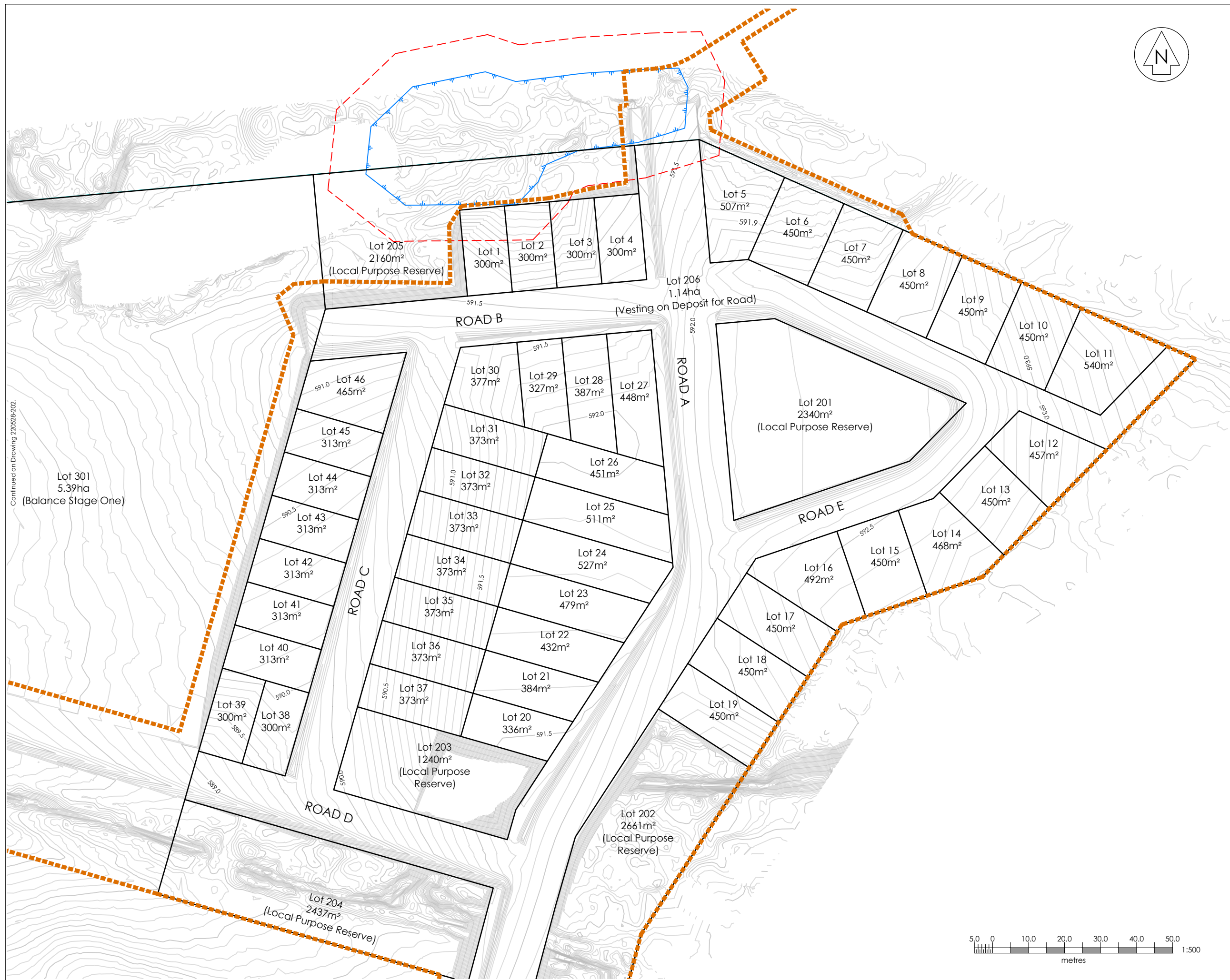
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Drawing Number

220528-201

Rev

D



Continued on Drawing 220528-202.

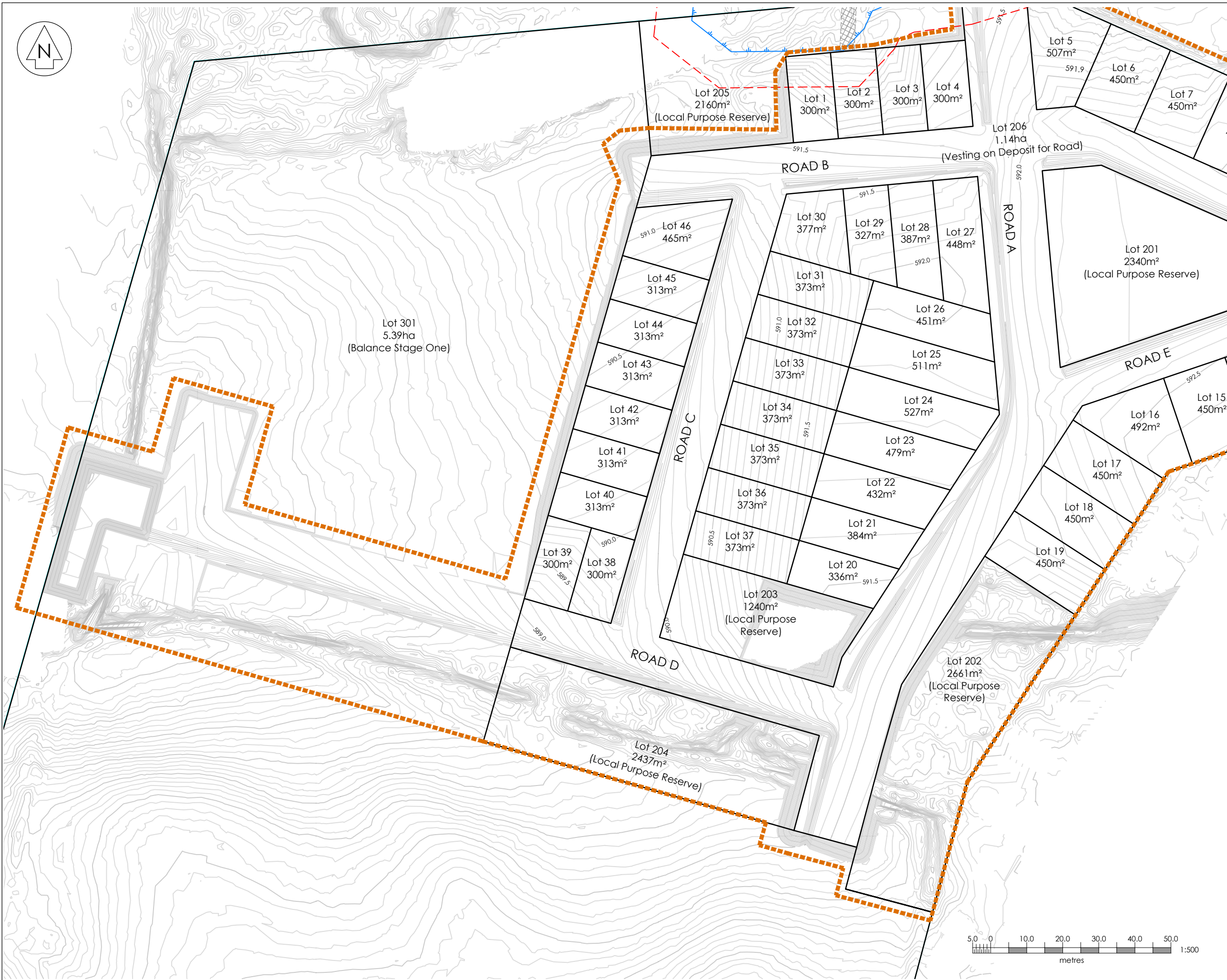


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- Extent of assessed wetlands
- 10 m wetland buffer zone



Continued on Drawing 220528-201

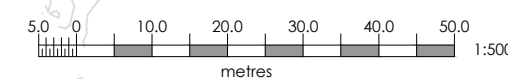
Rev	Date	Amendment	By	Chk	App
D	21/06/23	Extent of Works Updated	PH	SP	SP
C	02/06/23	Earthworks Adjusted	SC	AT	SP
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Project Title
**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title
**Stage 1 Earthworks
Proposed Contour Plan
Sheet 2 of 2**

Surveyed	G. Ripoll	02/11/22	GR
Designed	R.Kigour	05/23	RFK
Drawn	P.Harris	18/05/23	PH
Checked	R.Kigour	18/05/23	RFK
Approved	S.Prasad	22/05/23	SP

Status	INFORMATION	
Scale	A1 1:500	A1
	A3 1:1000	
Drawing Number	220528-202	Rev
		D



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Legend:

- Stage 1 (Extent of Works)
- Extent of assessed wetlands
- 10 m wetland buffer zone

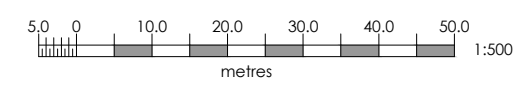


Continued on drawing 220528-204.

Lot 301
5.39ha
'Balance Stage One)

Number	Minimum Elevation	Maximum Elevation	Color
1	-1.725	-1.500	Red
2	-1.500	-1.000	Orange
3	-1.000	-0.500	Yellow
4	-0.500	0.000	Light Green
5	0.000	0.500	Green
6	0.500	1.000	Light Green
7	1.000	1.500	Green
8	1.500	2.000	Dark Green
9	2.000	2.279	Dark Green

Name	Type	Cut Factor	Fill Factor	Topsoil Area (sq. m)	Cut (Cu. m)	Fill (Cu. m)	Cut Adjusted	Balance
Cut & Fill	Full	0.85	1.00	37920m ²	2036m ³	16218m ³	1731m ³	14488m ³ fill



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D	21/06/23	Extent of Works Updated	PH	SP	SP
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Project Title
**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title
**Stage 1 Earthworks
Proposed Cut & Fill Plan
Sheet 1 of 2**

Surveyed	G. Ripoll	02/11/22	GP
Designed	R. Kilgour	05/23	RK
Drawn	P. Harris	18/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	22/05/23	SP

Status **INFORMATION**

Scale A1 1:500 | A1
A3 1:1000

Drawing Number 220528-203 | Rev D



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Legend:

- Stage 1 (Extent of Works)
- Extent of assessed wetlands
- 10 m wetland buffer zone

Continued on drawing 220528-201.

Rev	Date	Amendment	By	Chk	App
D	21/06/23	Extent of Works Updated	PH	SP	SP
C	02/06/23	Earthworks Adjusted	SC	AT	SP
B	31/05/23	Earthworks adjusted for wetland	RFK	SP	SP
A	22/05/23	Subdivision Consent	PH	RFK	SP

Project Title
**Kainga Ora
 Homes and Communities
 6 Teitei Drive, Ohakune**

Drawing Title
**Stage 1 Earthworks
 Proposed Cut & Fill Plan
 Sheet 2 of 2**

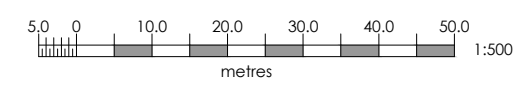
Surveyed	G. Ripoll	02/11/22	GR
Designed	R. Kigour	05/23	RFK
Drawn	P. Harris	18/05/23	PH
Checked	R. Kigour	18/05/23	RFK
Approved	S. Prasad	22/05/23	RFK

Status **INFORMATION**

Scale	A1	1:500	A1
	A3	1:1000	
Drawing Number	220528-204		Rev
			D



Number	Minimum Elevation	Maximum Elevation	Color
1	-1.725	-1.500	Red
2	-1.500	-1.000	Orange
3	-1.000	-0.500	Yellow
4	-0.500	0.000	Light Green
5	0.000	0.500	Green
6	0.500	1.000	Light Green
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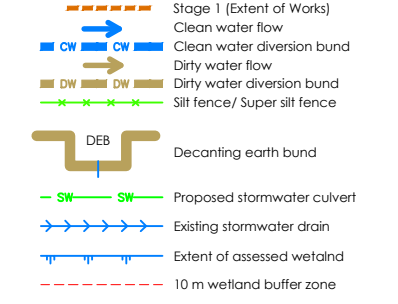


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NOTES:

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Earthworks Legend: (EW)



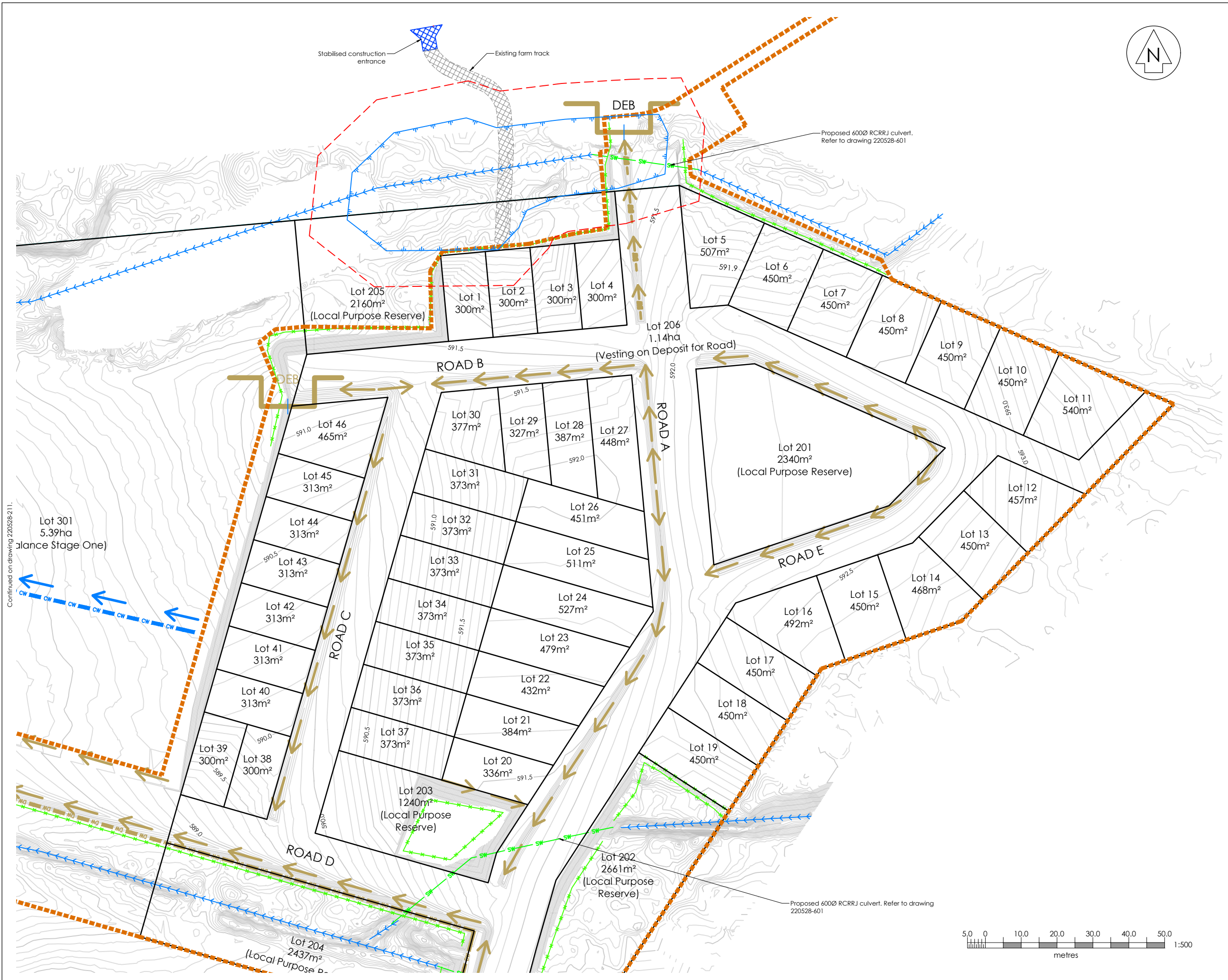
Rev	Date	Amendment	By	Chk	App
D	21/06/23	Extent of Works Updated	PH	SP	SP
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B	31/05/23	Earthworks adjusted for wetland	RFK	SP	SP
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Project Title
**Kainga Ora
 Homes and Communities
 6 Teitei Drive, Ohakune**

Drawing Title
**Stage 1 Earthworks
 Proposed Sediment & Erosion
 Control Plan - Sheet 1 of 2**

Surveyed	G. Ripoll	02/11/23	GR
Designed	R. Kiggour	05/23	RK
Drawn	P. Harris	18/05/23	PH
Checked	R. Kiggour	18/05/23	RK
Approved	S. Prasad	22/05/23	RK

Status	INFORMATION	
Scale	A1 1:500	A1
	A3 1:1000	
Drawing Number	220528-210	Rev
		D



Continued on drawing 220528-211.



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Earthworks Legend: (EW)

- Stage 1 (Extent of Works)
- Clean water flow
- Clean water diversion bund
- Dirty water flow
- Dirty water diversion bund
- Silt fence/ Super silt fence
- Decanting earth bund
- Proposed stormwater culvert
- Existing stormwater drain
- Extent of assessed wetland
- 10 m wetland buffer zone

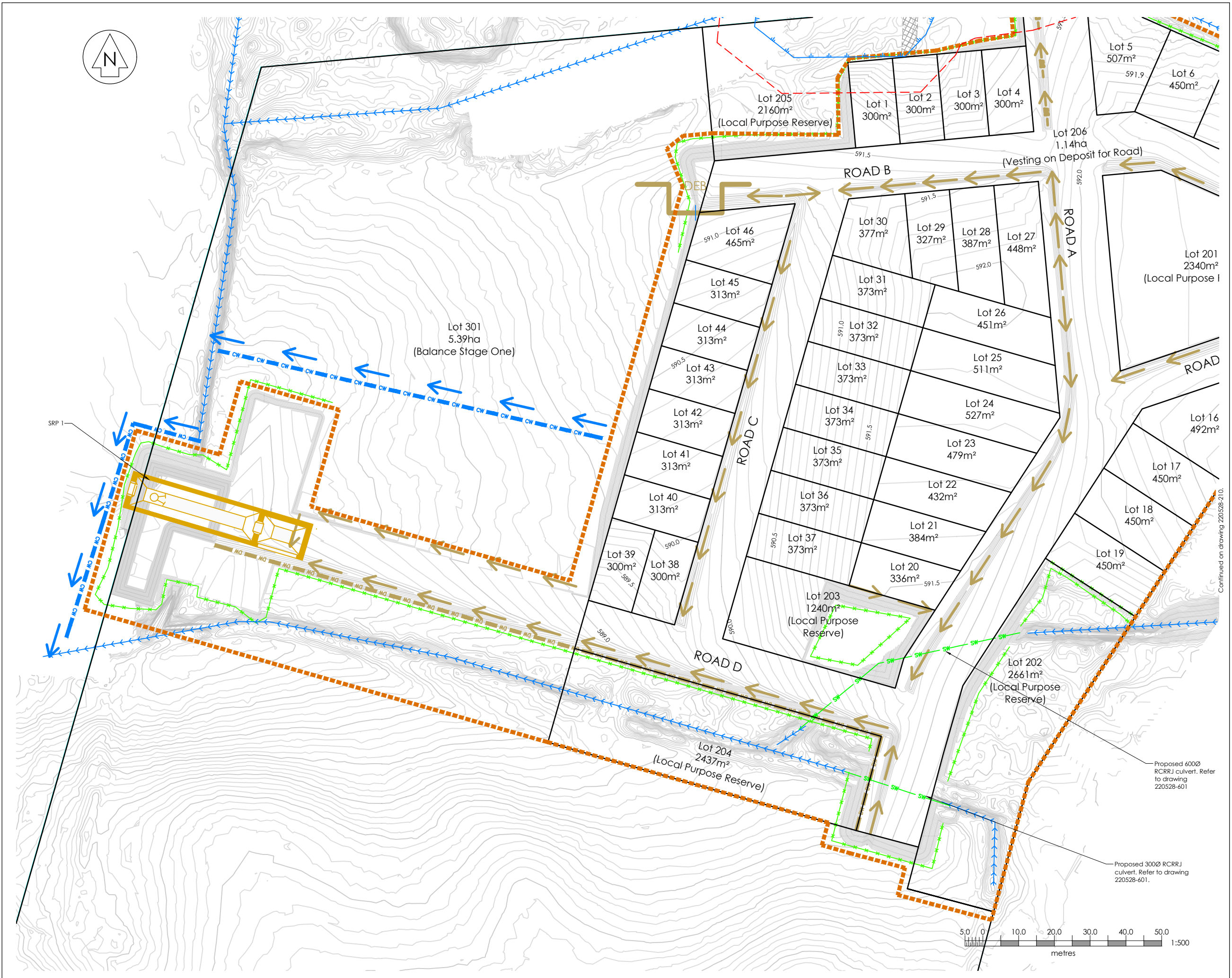
Rev	Date	Amendment	By	Chk/APP
D	21/06/23	Extent of Works Updated	PH	SP
C	02/06/23	Earthworks Adjusted	SC	AT
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A	22/05/23	Subdivision Consent	PH	RFK

Project Title
**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title
**Stage 1 Earthworks
Proposed Sediment & Erosion
Control Plan - Sheet 2 of 2**

Surveyed	G. Ripoll	02/11/23	GR
Designed	R. Kigour	05/23	RK
Drawn	P. Harris	18/05/23	PH
Checked	R. Kigour	18/05/23	RK
Approved	S. Prasad	22/05/23	RK

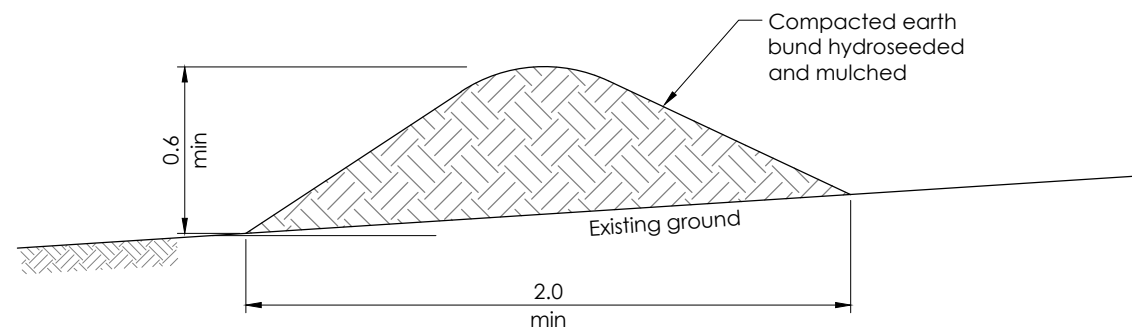
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Drawing Number	220528-211	Rev
		D



NOTES:

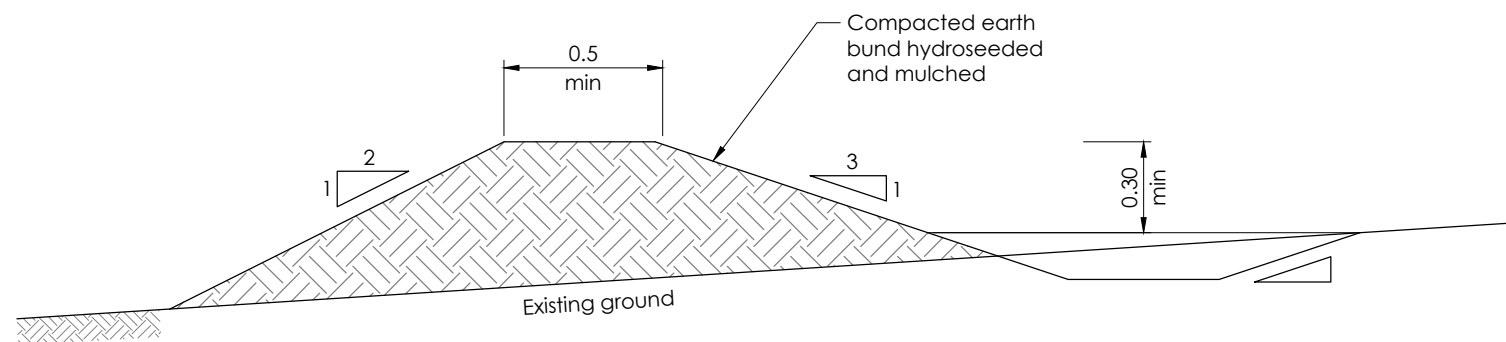
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5. All disturbed areas shall be re-topsoiled and grassed within 30 days upon completion of contract works. Dust control shall be maintained until grassed areas have become established.

Sediment Retention Pond (SRP)	SRP1
Contributing Area	38000
Actual Contributing Area (m2)	38000
Main Pond, Base Level= 0.0m	
Volume	1140
Depth (primary Spillway Level)	2
Base Width	10.0
Base Length	30.0
Length-Width Ratio	3:1
Pond Batter Slope	3:1
Forebay	
Volume	114
Level Spreader level	2.4
Base Width	10.0
Base Length	6.0
Base Level	1.4
Decant	
Decant Rate (3 litres/second/ha)	11.4
No. of Decants	3
Decant Level No.1	0.42
Decant Level No.2	0.95
Decant Level No.3	1.47
Length of Decant (m)	2
No. of 10mm Holes in Decant	169
6 Rows of Holes Spacing @ mm	54
Outlet Pipe Size	300
Emergency Spillway	
1% AEP Flow Rate (L/s)	488
Width (m)	8
Total Depth (Including 300mm Freeboard)	361
Base Level + (m) (Critical above ground level)	2.3
Pond Outer Bank Level +	2.66



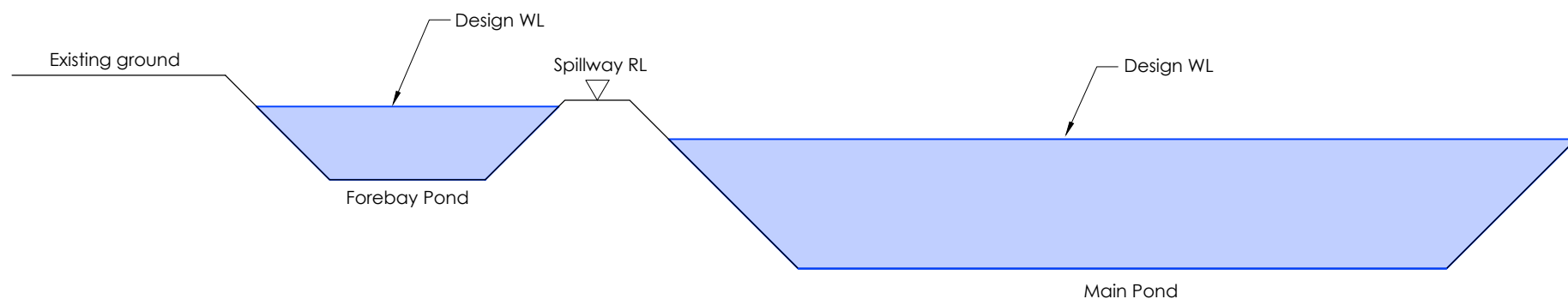
Clean Water Diversion Bund

Scale: NTS



Dirty Water Diversion Bund

Scale: NTS



Sediment Retention Pond Typical Cross Section

Scale: NTS

Rev	Date	Amendment	By	Chk	App
A	23/05/23	Subdivision Consent	JL	RFK	SP

Project Title
**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title
**Stage 1 Earthworks
Sediment & Erosion Control
Diversion Bund and SRP Sections**

Surveyed			
Designed			
Drawn	J. Li	30/05/22	JL
Checked	R. Kilgour	22/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status **INFORMATION**

Scale	A1	AS Shown	A3
	A3	As Shown	

Drawing Number **220528-212** Rev **A**

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Dust control shall be maintained until grassed areas have become established.
- All private laterals DN25 MDPE PN12.5.

Legend:

- Water Line Proposed
- Water Line Existing
- Water Valve Proposed
- Fire Hydrant Proposed
- Water Toby Proposed
- Water Line Thrust Block
- Common Services Trench Proposed
- Proposed Road
- Stage 1 (Extent of Works)

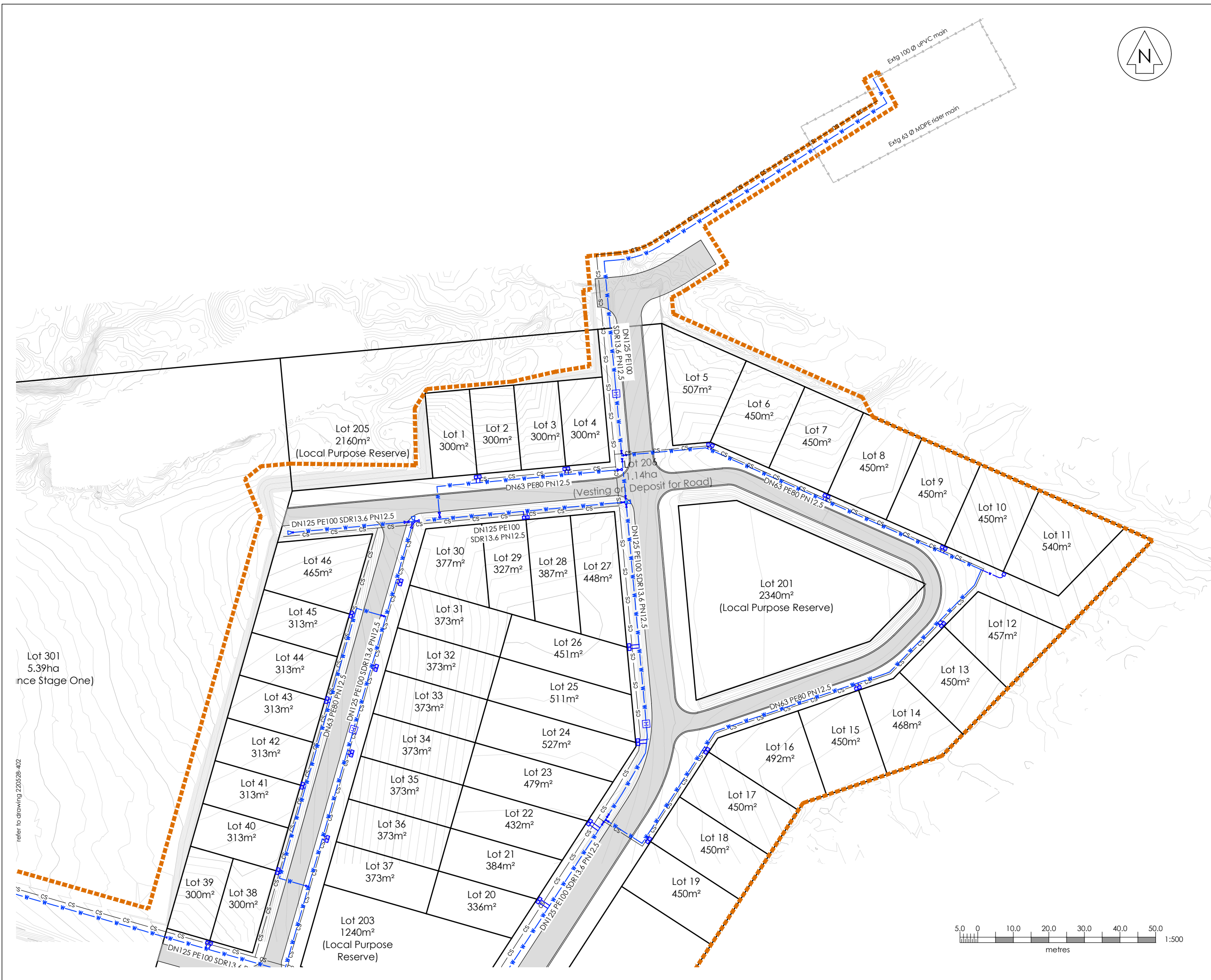
Rev	Date	Amendment	By	Chk	App
D	21/06/23	Extent of Work Updated	PH	SP	SP
C	02/06/23	Earthworks Adjusted	SC	AT	SP
B	31/05/23	Adjusted Lots 1-4	RFK	SP	SP
A	23/05/23	Subdivision Consent	PH	RFK	SP

Project Title
**Kainga Ora
Homes and Communities
6 Teitei Drive, akune**

Drawing Title
**Stage 1 Water & Common Services
Proposed Layout Plan
Sheet 1 of 2**

Surveyed	G. Ripoll	02/11/22	GR
Designed	R. Kilgour	05/23	RFK
Drawn	P. Harris	18/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status	INFORMATION	
Scale	A1 1:500	A1
	A3 1:1000	
Drawing Number	220528-401	Rev
		D





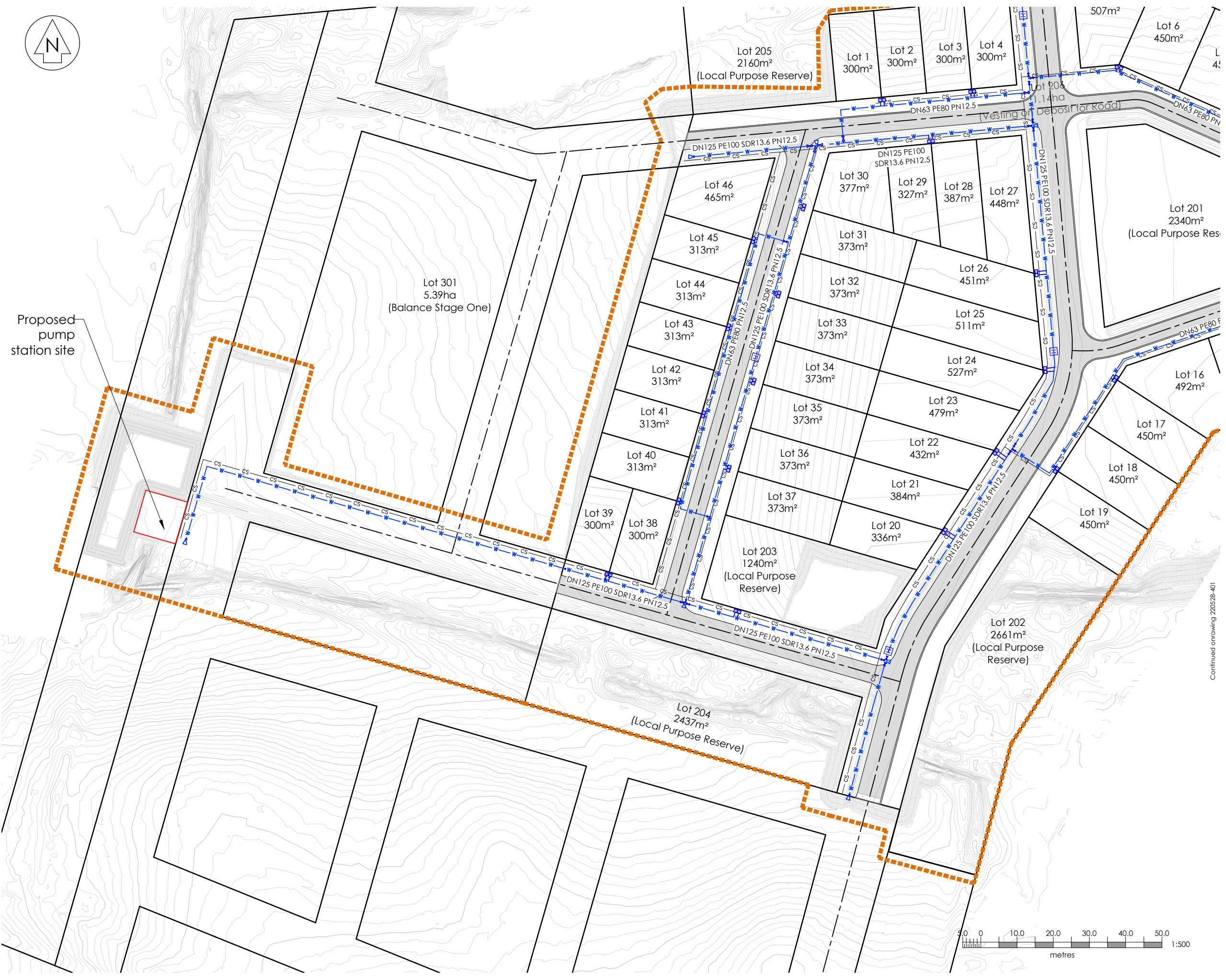
www.cheal.co.nz

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- All private laterals DN25 MDPE PN12.5.

Legend:

- Water Line Proposed
- Water Line Existing
- Water Valve Proposed
- Fire Hydrant Proposed
- Water Topy Proposed
- Water Line Thrust Block
- Common Services Trench Proposed
- Proposed Road
- Stage 1 (Extent of Works)



Proposed pump station site

Continued on drawing 220528-401

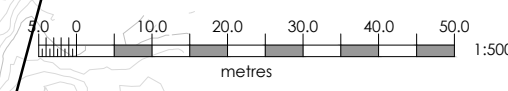
Rev	Date	Amendment	By	Chk	App
D	21/06/23	Extent of Work Updated	PH	SP	SP
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B	31/05/23	Adjusted Lots 1-4	RFK	SP	SP
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Project Title
**Kainga Ora
 Homes and Communities
 6 Teitei Drive, akune**

Drawing Title
**Stage 1 Water & Common Services
 Proposed Layout Plan
 Sheet 2 of 2**

Surveyed	G. Ripoll	02/11/22	GR
Designed	R. Kilgour	05/23	RFK
Drawn	P. Harris	18/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status	INFORMATION	
Scale	A1 1:500	A1
	A3 1:1000	
Drawing Number	220528-402	Rev
		D



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Dust control shall be maintained until grassed areas have become established.
- All property connection laterals to extend a minimum of 1m inside Lot & marked with 50 x 50 tannalised stakes painted red.
Maximum depth from finished ground 1.5m.
(use ramp riser if required)
- All wastewater manholes Ø1050.

Legend:

- SS — Sewer Line Proposed
- ⊙ SSMH Proposed
- ✕ Property Connection Proposed
- Proposed Road
- Stage 1 (Extent of Works)

Rev	Date	Amendment	By	Chk	App
D	21/06/23	Extent of Work Updated and SSMH Labels Added	PH	SP	SP
C	02/06/23	Earthworks Adjusted	SC	AT	SP
B	31/05/23	Adjusted Lots 1-4	RFK	SP	SP
A	23/05/23	Subdivision Consent	PH	RFK	SP

Project Title

**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title

**Stage 1 Wastewater
Proposed Layout Plan
Sheet 1 of 3**

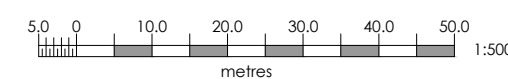
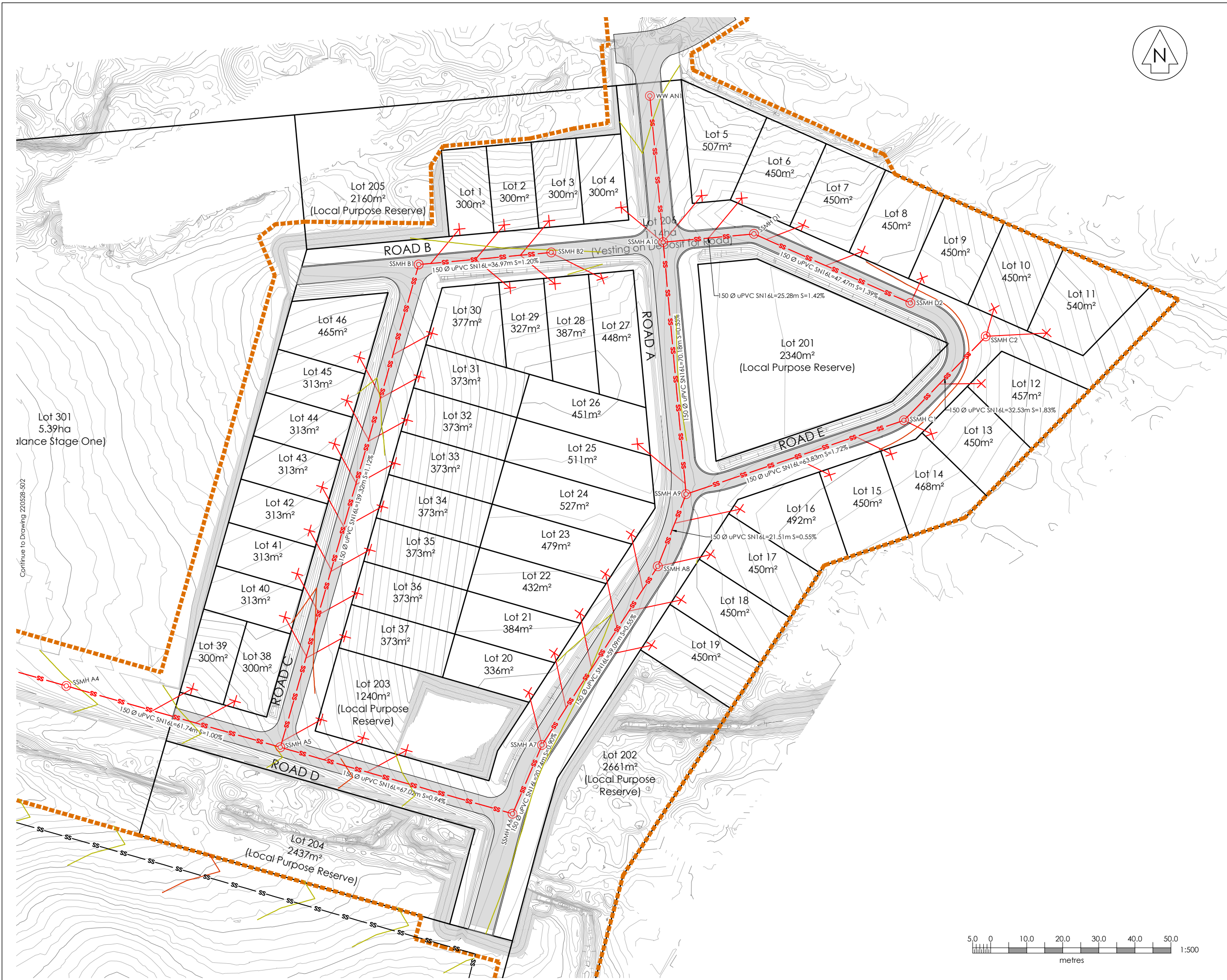
Surveyed	G. Ripoll	02/11/22	GR
Designed	R. Kilgour	05/23	RFK
Drawn	P. Harris	11/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status **INFORMATION**

Scale	A1	1:500	A1
	A3	1:1000	

Drawing Number

220528-501 | Rev **D**



Continue to Drawing 220528-502

NOTES:

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- All wastewater manholes Ø1050.

Legend:

- SS — Sewer Line Proposed
- ⊙ SSMH Proposed
- ✕ Property Connection Proposed
- Proposed Road
- Stage 1 (Extent of Works)

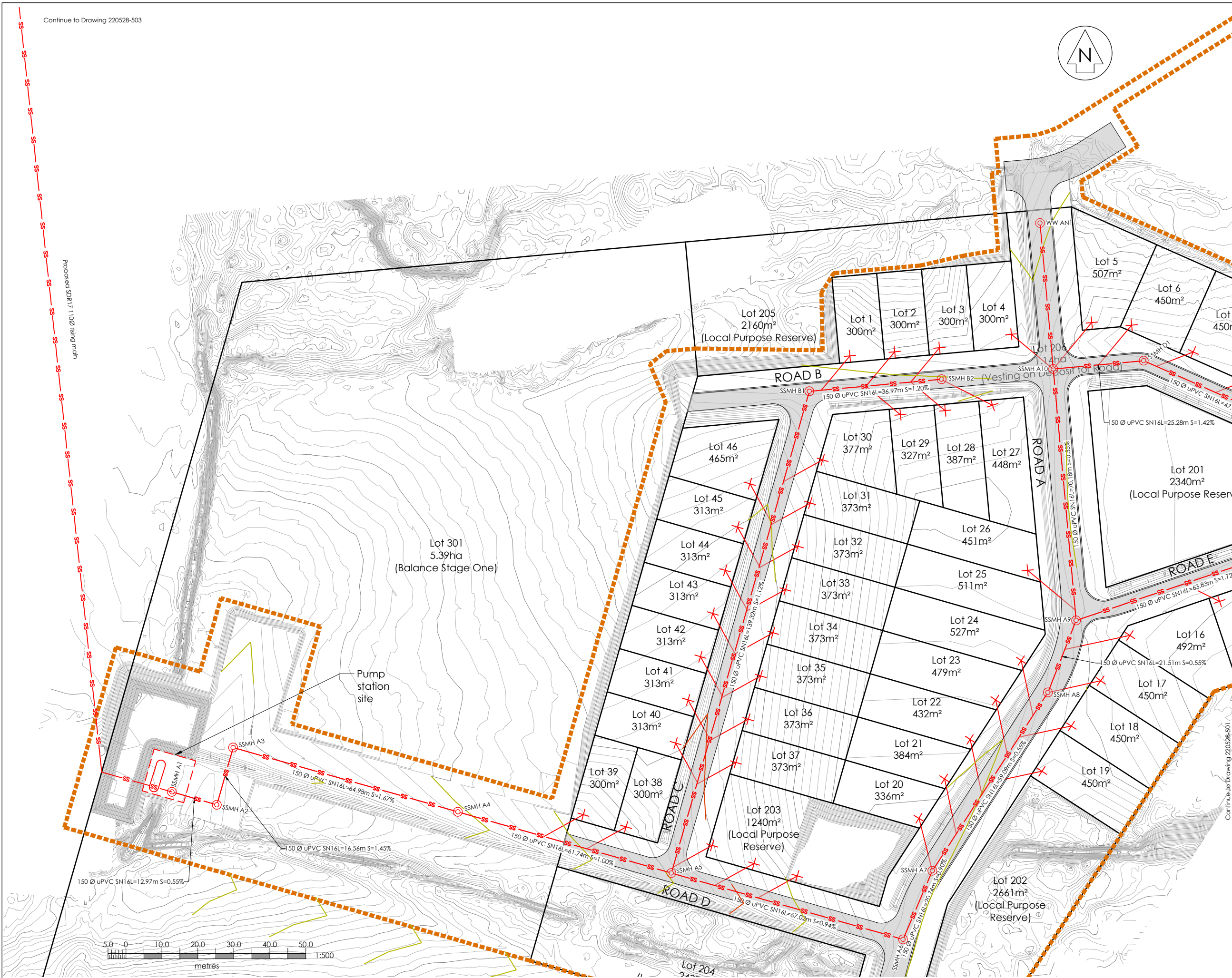
Rev	Date	Amendment	By	CHK	APP
D	21/06/23	Extent of work updated and SSMH Labels Added	PH	SP	SP
C	02/06/23	Earthworks Adjusted	SC	AT	SP
B	31/05/23	Adjusted Lots 1-4	RFK	SP	SP
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Project Title
**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title
**Stage 1 Wastewater
Proposed Layout Plan
Sheet 2 of 3**

Surveyed	G. Ripoll	02/11/22	GR
Designed	R. Kilgour	05/23	RFK
Drawn	P. Harris	11/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status	INFORMATION	
Scale	A1 1:500	A1
	A3 1:1000	
Drawing Number	220528-502	Rev
		D



NOTES:

- All work shall be done in accordance with the Ruapehu District Council Code of Practice.
- Reduced Levels are in terms of NZ Vertical Datum 2016
Level Origin : EBC7 OIT IV DP 44819
RL : 595.70
Contour Interval = Major 0.5m
Minor 0.1m
- Contractor to locate and identify existing utility location and depths prior to construction. The project engineer shall be informed of any discrepancies to the information depicted on these plans immediately for revised drawings.
- Contractor shall install and maintain all stormwater, dust and erosion control during construction as per earthworks management plan and the Waikato Regional Council Erosion and Sediment Control - "Guidelines for soil disturbing activities".
- All disturbed areas shall be re-topped and grassed within 30 days upon completion of contract works.
Dust control shall be maintained until grassed areas have become established.
- All property connection laterals to extend a minimum of 1m inside Lot & marked with 50 x 50 tantalised stakes painted red.
Maximum depth from finished ground 1.5m. (use ramp riser if required)
- All wastewater manholes Ø1050.

Legend:

- SS— Sewer Line Proposed
- SS— Sewer Line Existing
- ⊙ SSMH Proposed
- ⊙ SSMH Existing
- X— Property Connection Proposed
- Proposed Road
- Stage 1 (Extent of Works)

Rev	Date	Amendment	By	Chk	App
D	21/06/23	SSMH Labels Added	PH	SP	SP
C	02/06/23	Earthworks Adjusted	SC	AT	SP
B	31/05/23	Adjusted Lots 1-4	RFK	SP	SP
A	23/05/23	Subdivision Consent	PH	RFK	SP

Project Title

**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title

**Stage 1 Wastewater
Proposed Layout Plan
Sheet 3 of 3**

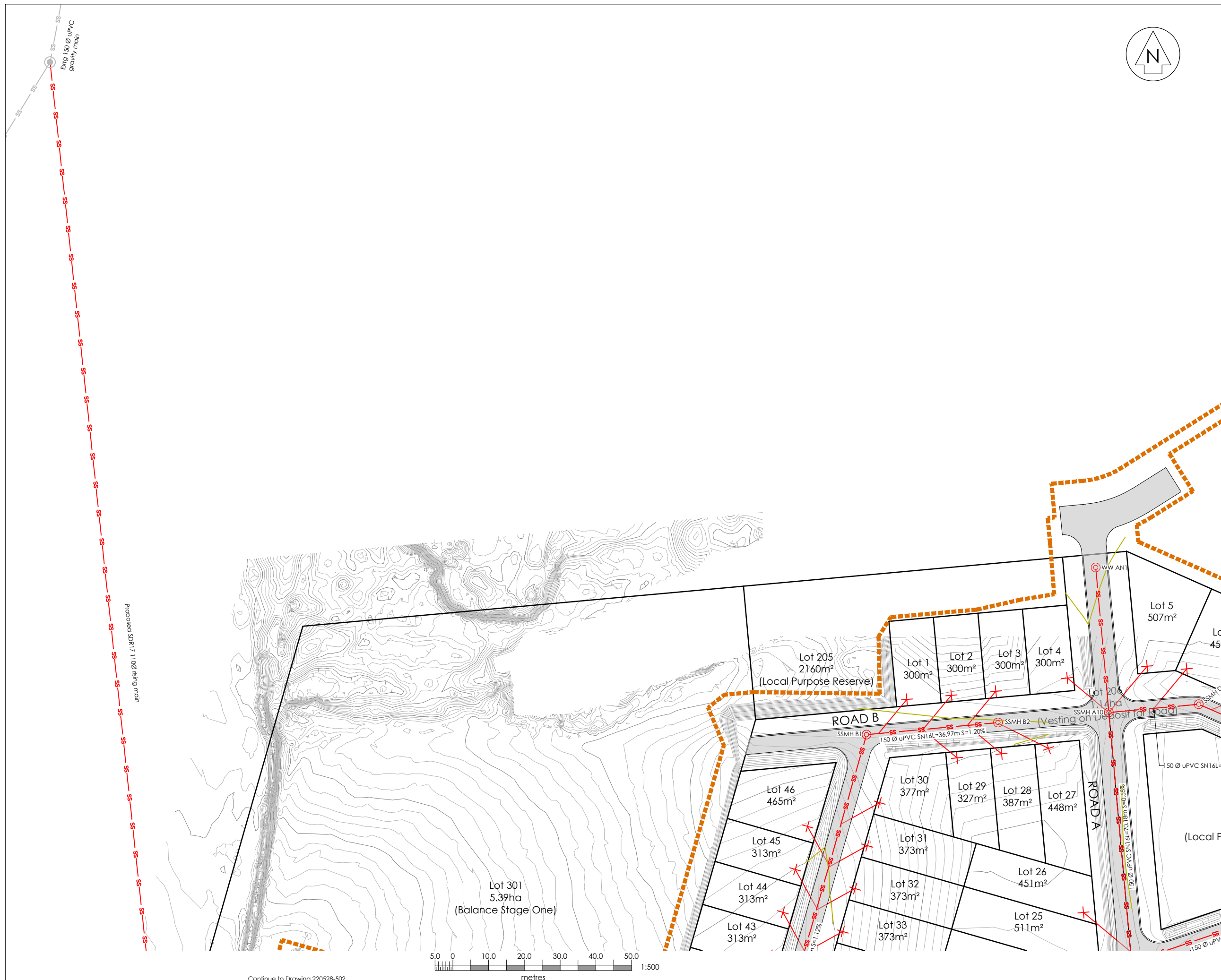
Surveyed	G. Ripoll	02/11/22	GR
Designed	R. Kilgour	05/23	RFK
Drawn	P. Harris	11/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status **INFORMATION**

Scale	A1	1:500	A1
	A3	1:1000	

Drawing Number

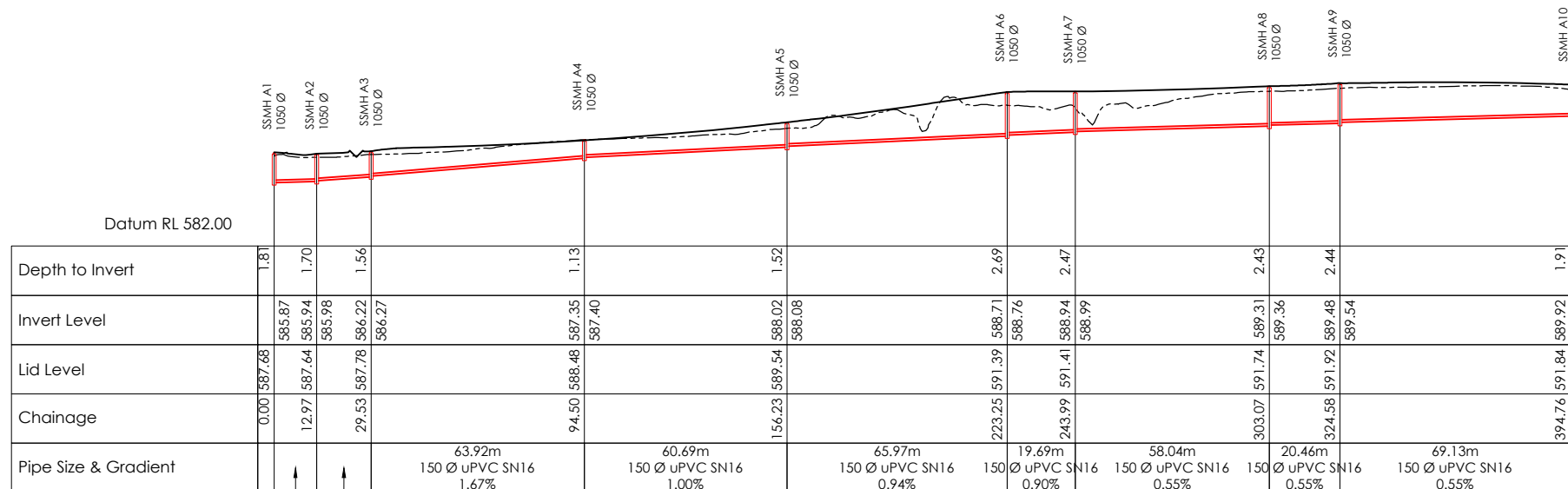
220528-503 | Rev **D**



Continue to Drawing 220528-502

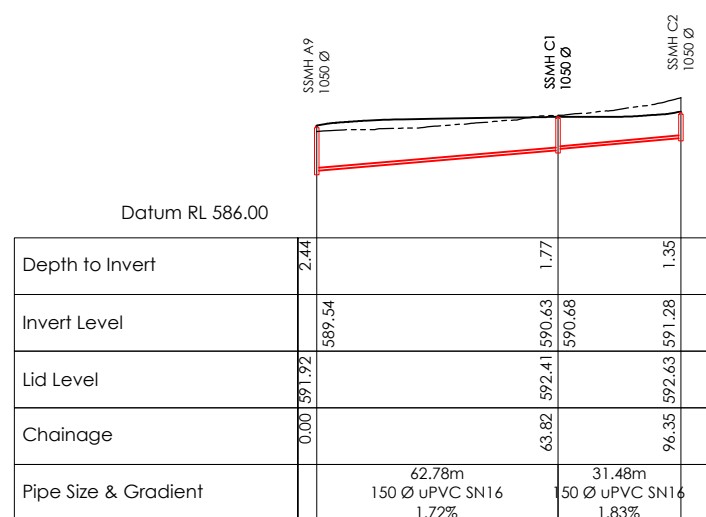
NOTES:

- All work shall be done in accordance with the Ruapehu District Council Code of Practice.
- Reduced Levels are in terms of NZ Vertical Datum 2016
Level Origin : EBC7 OIT IV DP 44819
RL : 595.70
Contour Interval = Major 0.5m
Minor 0.1m
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Dust control shall be maintained until grassed areas have become established.
- All property connection laterals to extend a minimum of 1m inside Lot & marked with 50 x 50 tantalised stakes painted red.
Maximum depth from finished ground 1.5m. (use ramp riser if required)
- All wastewater manholes Ø1050.



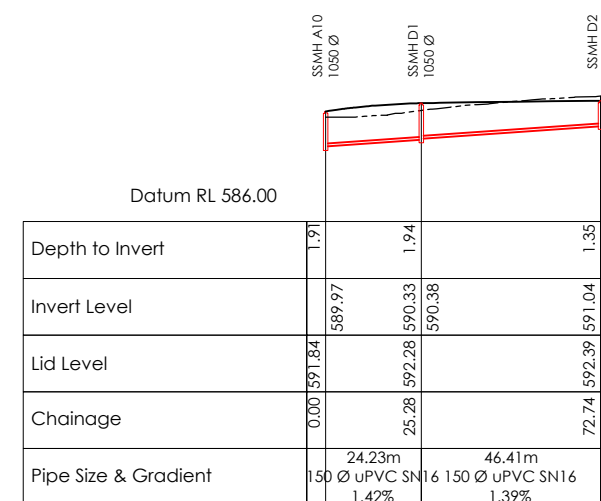
Sanitary Sewer Long Section - Line A

Scale H 1:1000 @A1
V 1:200 @A1



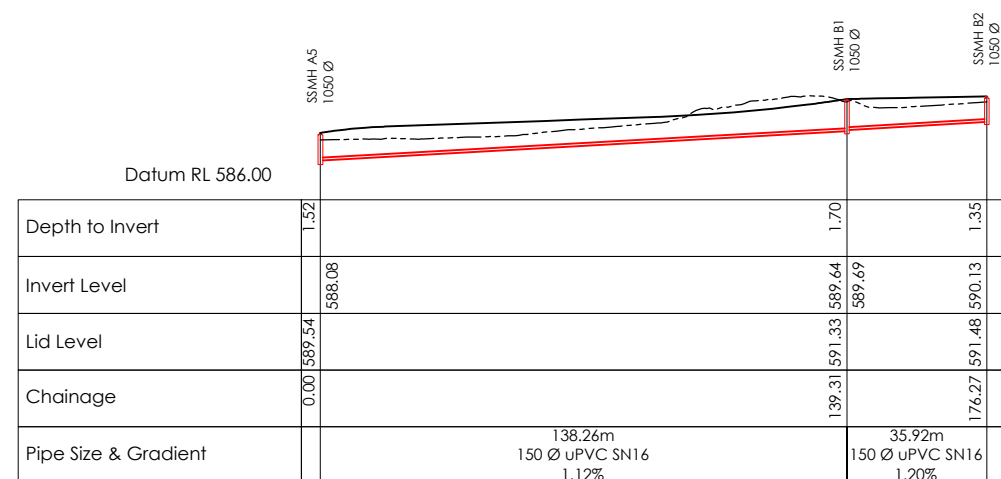
Sanitary Sewer Long Section - Line C

Scale H 1:1000 @A1
V 1:200 @A1



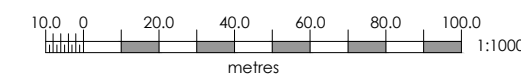
Sanitary Sewer Long Section - Line D

Scale H 1:1000 @A1
V 1:200 @A1



Sanitary Sewer Long Section - Line B

Scale H 1:1000 @A1
V 1:200 @A1



Rev	Date	Amendment	By	Chk	App
B	31/05/23	Adjusted Lots 1-4	RFK	SP	SP
A	23/05/23	Subdivision Consent	PH	RFK	SP

Project Title

Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune

Drawing Title

Stage 1 Wastewater
Proposed Long Sections

Surveyed	G. Ripoll	02/11/22	GR
Designed	RFK	05/23	RFK
Drawn	P.Harris	11/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status **INFORMATION**

Scale A1	1:1000H 1:200V	A1
A3	1:2000H 1:400V	







Drawing Number | Rev

220528-504 | B

NOTES:

- All work shall be done in accordance with the Ruapehu District Council Code of Practice.
- Reduced Levels are in terms of NZ Vertical Datum 2016
Level Origin : EBC7 OIT IV DP 44819
RL : 595.70
Contour Interval = Major 0.5m
Minor 0.1m
- Contractor to locate and identify existing utility location and depths prior to construction. The project engineer shall be informed of any discrepancies to the information depicted on these plans immediately for revised drawings.
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- All disturbed areas shall be re-topped and grassed within 30 days upon completion of contract works. Dust control shall be maintained until grassed areas have become established.
- All manholes to have scruffy dome lids.

Legend:

-  Stormwater Line Proposed
-  SWMH Proposed
-  Proposed Road
-  Stormwater Drain Proposed
-  Stormwater Drain Existing
-  Stage 1 (Extent of Works)

Rev	Date	Amendment	By	Chk	App
D	21/06/23	Extent of work amended	PH	SP	SP
C	02/06/23	Earthworks Adjusted	SC	AT	SP
B	31/05/23	Adjusted Lots 1-4	RFK	SP	SP
A	23/05/23	Subdivision Consent	PH	RFK	SP

Project Title

**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title

**Stage 1 Stormwater
Proposed Layout Plan
Sheet 1 of 2**

Surveyed	G. Ripoll	02/11/22	GR
Designed	R. Kilgour	05/23	RFK
Drawn	P. Harris	11/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status

INFORMATION

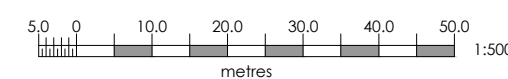
Scale	A1	1:500	A1
	A3	1:1000	

Drawing Number

220528-601

Rev

D



Continued on Drawing 220528-602

NOTES:

- All work shall be done in accordance with the Ruapehu District Council Code of Practice.
- Reduced Levels are in terms of NZ Vertical Datum 2016
Level Origin : EBC7 OIT IV DP 44819
RL : 595.70
Contour Interval = Major 0.5m
Minor 0.1m
- Contractor to locate and identify existing utility location and depths prior to construction. The project engineer shall be informed of any discrepancies to the information depicted on these plans immediately for revised drawings.
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- All manholes to have scruffy dome lids.

Legend:

- Stormwater Line Proposed
- SWMH Proposed
- Proposed Road
- Stormwater Drain Proposed
- Stormwater Drain Existing
- Stage 1 (Extent of Works)

Rev	Date	Amendment	By	Chk	App
D	21/06/23	Extent of work amended	PH	SP	SP
C	02/06/23	Earthworks Adjusted	SC	AT	SP
B	31/05/23	Adjusted Lots 1-4	RFK	SP	SP
A	23/05/23	Subdivision Consent	PH	RFK	SP

Project Title
**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

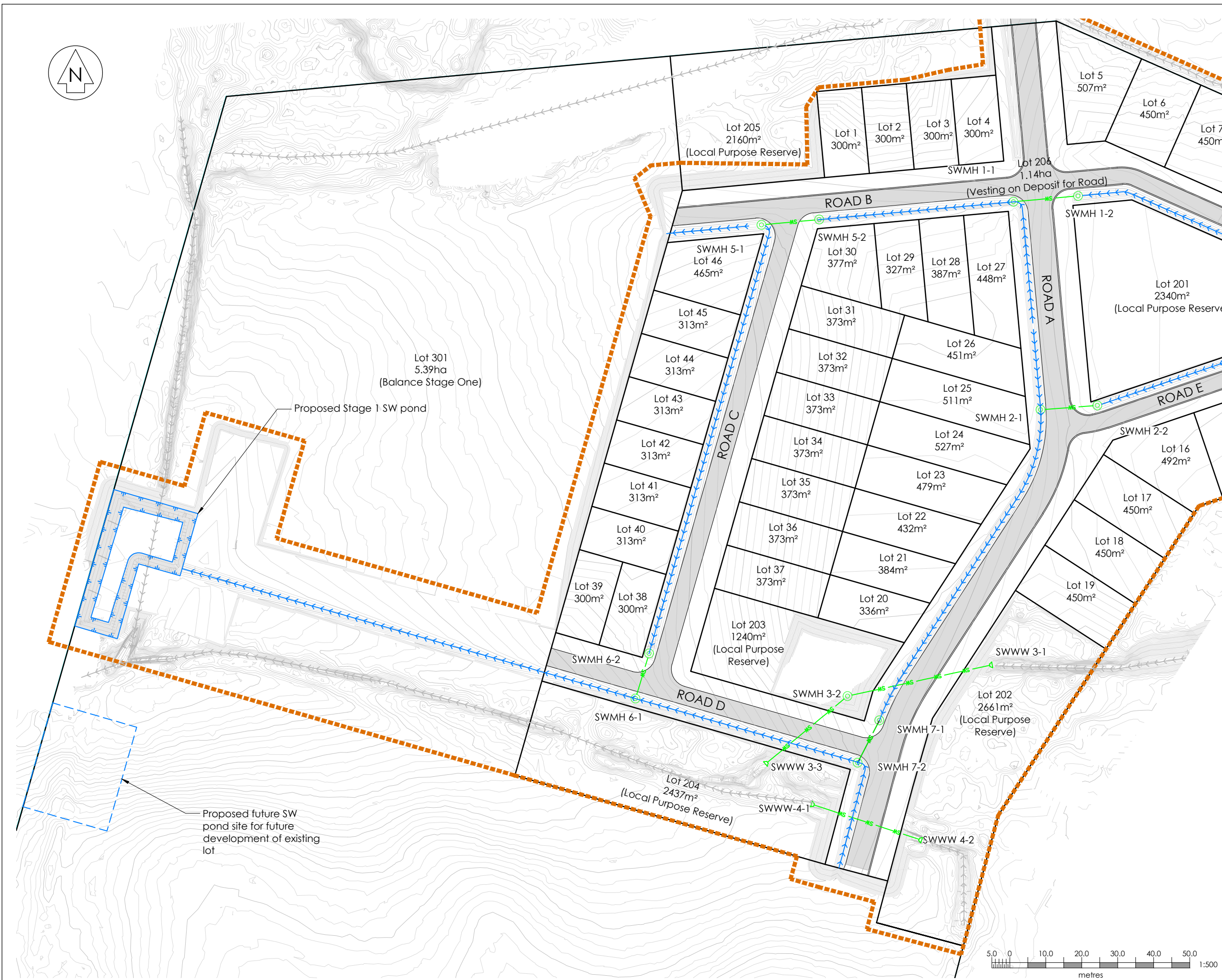
Drawing Title
**Stage 1 Stormwater
Proposed Layout Plan
Sheet 2 of 2**

Surveyed	G. Ripoll	02/11/22	GR
Designed	R. Kilgour	05/23	RFK
Drawn	P. Harris	11/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status **INFORMATION**

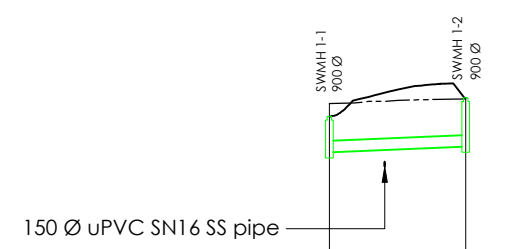
Scale	A1	1:500	A1
	A3	1:1000	

Drawing Number **220528-602** | Rev **D**



NOTES:

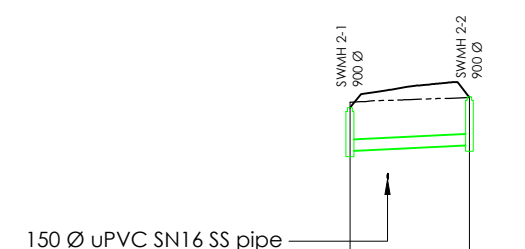
- All work shall be done in accordance with the Ruapehu District Council Code of Practice.
- Reduced Levels are in terms of NZ Vertical Datum 2016
Level Origin : EBC7 OIT IV DP 44819
RL : 595.70
Contour Interval = Major 0.5m
Minor 0.1m
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Dust control shall be maintained until grassed areas have become established.
- All manholes to have scruffy dome lids.



Depth to Invert	0.95	1.29
Invert Level	590.29	590.44
Lid Level	591.24	591.73
Chainage	0.00	18.02
Pipe Size & Gradient	17.12m 300 Ø RCRRJ CLASS 4 0.83%	

Stormwater Long Section - Line 1

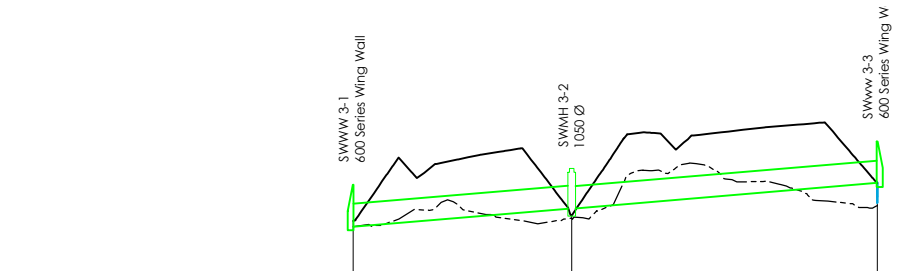
Scale H 1:500 @A1
V 1:100 @A1



Depth to Invert	1.14	1.29
Invert Level	590.32	590.47
Lid Level	591.46	591.76
Chainage	0.00	15.81
Pipe Size & Gradient	14.92m 300 Ø RCRRJ CLASS 4 0.95%	

Stormwater Long Section - Line 2

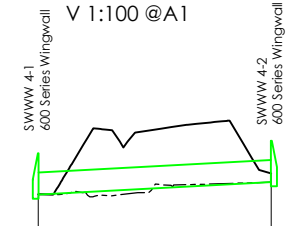
Scale H 1:500 @A1
V 1:100 @A1



Depth to Invert	1.11	1.11	1.04
Invert Level	588.90	589.38	590.06
Lid Level	590.01	590.44	591.15
Chainage	0.00	28.92	69.34
Pipe Size & Gradient	28.51m 600 Ø RCRRJ CLASS 4 1.66%		39.94m 300 Ø RCRRJ CLASS 4 1.69%

Stormwater Long Section - Line 3

Scale H 1:500 @A1
V 1:100 @A1



Depth to Invert	0.94	0.94
Invert Level	589.67	590.00
Lid Level	590.77	591.09
Chainage	0.00	30.82
Pipe Size & Gradient	30.74m 600 Ø RCRRJ CLASS 4 1.06%	

Stormwater Long Section - Line 4

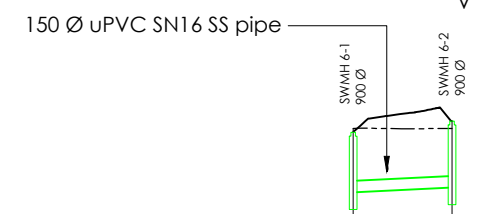
Scale H 1:500 @A1
V 1:100 @A1



Depth to Invert	0.74	0.82
Invert Level	589.97	590.08
Lid Level	590.70	590.90
Chainage	0.00	16.09
Pipe Size & Gradient	15.19m 300 Ø RCRRJ CLASS 2 0.72%	

Stormwater Long Section - Line 5

Scale H 1:500 @A1
V 1:100 @A1



Depth to Invert	1.89	2.06
Invert Level	587.41	587.54
Lid Level	589.00	589.30
Chainage	0.00	13.10
Pipe Size & Gradient	12.20m 300 Ø RCRRJ CLASS 4 0.97%	

Stormwater Long Section - Line 6

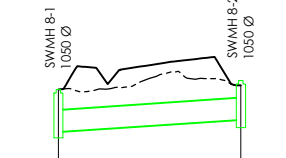
Scale H 1:500 @A1
V 1:100 @A1



Depth to Invert	1.23	1.25
Invert Level	589.52	589.65
Lid Level	590.76	590.90
Chainage	0.00	13.24
Pipe Size & Gradient	12.35m 300 Ø RCRRJ CLASS 4 0.94%	

Stormwater Long Section - Line 7

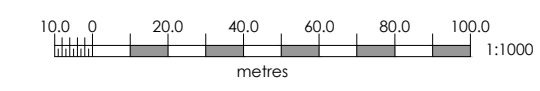
Scale H 1:500 @A1
V 1:100 @A1



Depth to Invert	0.00	0.00
Invert Level	589.32	589.84
Lid Level	590.65	590.89
Chainage	0.00	24.14
Pipe Size & Gradient	23.10m 600 NB RCRRJ CLASS 4 1.35%	

Stormwater Long Section - Line 8

Scale H 1:500 @A1
V 1:100 @A1



Rev	Date	Amendment	By	Chk/App
B	31/05/23	Label Correction	RFK	SP
A	23/05/23	Subdivision Consent	PH	RFK

Project Title
**Kainga Ora
Homes and Communities
6 Teitei Drive, Ohakune**

Drawing Title
**Stage 1 Stormwater
Proposed Long Sections**

Surveyed	G. Ripoll	02/11/22	GR
Designed	R. Kilgour	05/23	RFK
Drawn	P. Harris	11/05/23	PH
Checked	R. Kilgour	18/05/23	RFK
Approved	S. Prasad	23/05/23	SP

Status **INFORMATION**

Scale A1 1:500H 1:100V | A1
A3 1:1000H 1:200V

Drawing Number **220528-603** | Rev **B**