Contractor to locate all existing services & verify all dimensions before commencing work

Rev.	Date	Reason	Approved
P2	24/09/24	Issued for Information	RB
P3	22/11/24	Issued for Information	RB
P4	31/01/25	Issued for Information	RB
P5	4/02/25	Issued for information	RB
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL

NOTE : Additional excavation and filling may be undertaken beyond the area shown at the direction of the Geo–Professional to allow access to and construction of slope instability mitigation works, construction of temporary haul roads, to allow trimming of cut batters to merge with adjacent ground profiles for landscape enhancement and temporary works for erosion and sediment control.

Earthworks not part of this application. Shown to prove feasibility of future road connection. Associated earthworks excluded from volume summaries.

CAD ref: T:\projects\39s\39470 - Maitahi Development\Civil\39470.Drawing Set 1-Earthwork

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MAITAHI DEVELOPMENT
NELSON

PRELIMINARY EARTHWORKS
OVERALL EARTHWORKS PLAN

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C001
Scale @ A1	Date	Job No.	Rev.
1:2500	01/24	39470	A2

Contractor to locate all existing services & verify all dimensions before commencing work

Rev.	Date	Reason	Approved
P5	25/09/24	Issued for information	RB
P6	22/11/24	Issued for Information	RB
P7	31/01/25	Issued for Information	RB
P8	4/02/25	Issued for Information	RB
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL

LOCATION PLAN
NTS

Valley fill Contingency Disposal Area:

Area:	10,650 m²
Fill Volume:	49,440 m³

VALLEY FILL CONTINGENCY DISPOSAL AREA

VALLEY FILL AREA

Phase 3:

Area:	93,770 m²
Cut Volume:	155,150 m³
Fill Volume:	92,020 m³

Surplus to Valley Fill area

63,130 m³

Phase 3A:	
Area:	50,570 m²
Cut Volume:	85,920 m³
Fill Volume:	56,640 m³
Phase 3B:	
Area:	43,200 m²
Cut Volume:	69,230 m³
Fill Volume:	35,380m³

Valley Fill Area:

Area:	29,020 m²
Cut Volume:	1,320 m³
Fill Volume:	142,240 m³

Phase 4:

Area:	18,670 m²
Cut Volume:	420 m³
Fill Volume:	88,000 m³

Future Road:

Area:	35,100 m²
Cut Volume:	220,800 m³
Fill Volume:	2,000 m³

NOTE : Earthworks not part of this application. Shown to prove feasibility of future road connection. Associated earthworks excluded from volume summaries.

Phase 2 Earthworks:

Area:	41,870 m²
Cut Volume:	72,770m³
Fill Volume:	25,480 m³

Surplus to Valley Fill area

47,290m³

Phase 1 Earthworks:

Area:	191,450 m²
Cut Volume:	371,870 m³
Fill Volume:	267,180 m³

Surplus Cut to Phase 4

87,580m³

Surplus cut to Valley fill area

17,110m³

Phase 1A	
Area:	151,190 m²
Cut Volume:	279,830 m³
Fill Volume:	253,570 m³
Phase 1B	
Area:	20,960 m²
Cut Volume:	15,160 m³
Fill Volume:	7,660m³
Phase 1C	
Area:	19,300 m²
Cut Volume:	76,880 m³
Fill Volume:	5,950 m³

PHASE 3B
PHASE 4
PHASE 3A
PHASE 1C
PHASE 2
PHASE 1A
PHASE 1B
FUTURE ROAD

NOTE : Additional excavation and filling may be undertaken beyond the area shown at the direction of the Geo–Professional to allow access to and construction of slope instability mitigation works, construction of temporary haul roads, to allow trimming of cut batters to merge with adjacent ground profiles for landscape enhancement and temporary works for erosion and sediment control.

Surface Analysis: Elevation Ranges

Number	Color	Minimum Elevation (m)	Maximum Elevation (m)	2D Area (m²)	Volume (m³)
1		-19.856	-10.000	15063.9	30707.6
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4		0.000	1.000	38911.2	163279.8
5		1.000	5.000	111869.4	359376.8
6		5.000	10.000	32165.2	68395.1
7		10.000	14.600	1999.7	2318.7

Overall Earthworks :
(Excluding Future road)

Area:	376,980 m²
Cut Volume:	601,830 m³
Fill Volume:	666,720 m³
Net (Surplus)*	64,900 m³

* Note - Net fill surplus is made up of additional fill volume that can be accommodated within Valley Fill Area. Fill Volumes within this area to be reduced to suit.

CAD ref: T:\projects\39s\39470 - Maitahi Development\Civil\39470.Drawing Set 1-Earthwork

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MAITAHI DEVELOPMENT
NELSON

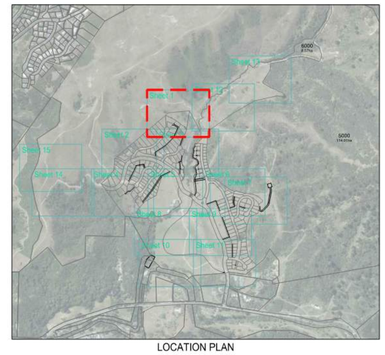
PRELIMINARY EARTHWORKS
OVERALL EARTHWORKS PLAN - VOLUMES

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C100
Scale @ A1	Date	Job No.	Rev.
1:2,000 (m)	01/24	39470	A2

Contractor to locate all existing services & verify all dimensions before commencing work

Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
P3	25/09/24	Issued for information	RB
P4	22/11/24	Issued for Information	RB
P5	31/01/25	Issued for Information	RB
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL



LOCATION PLAN
NTS

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- Site Boundary
- Construction Stage Boundary
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Surface Analysis: Elevation Ranges

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MAITAHI DEVELOPMENT
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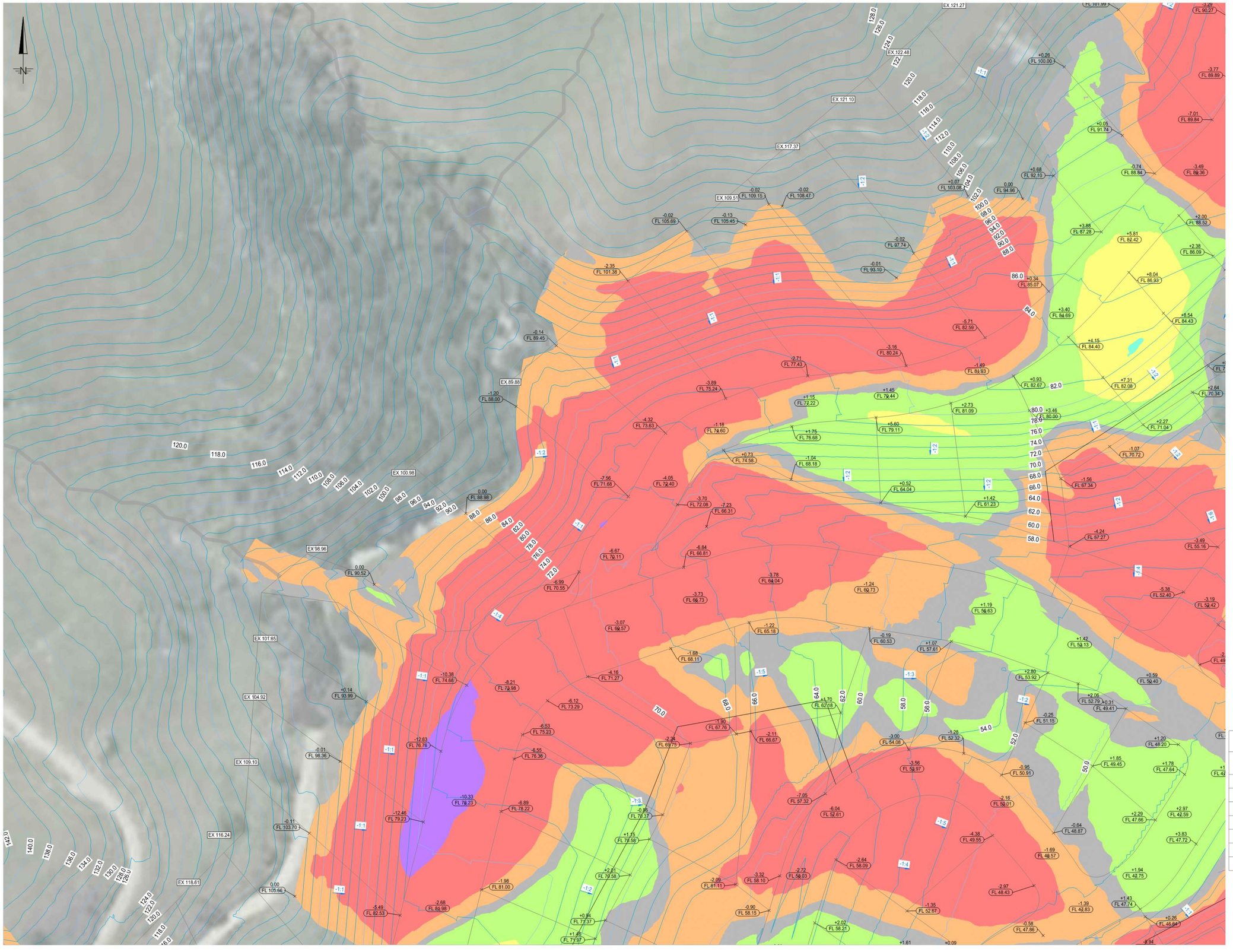
PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 1 OF 15

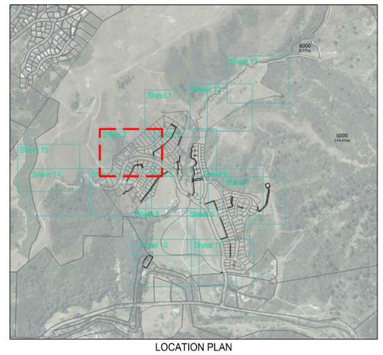
Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C101
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

Contractor to locate all existing services & verify all dimensions before commencing work



Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
P3	25/09/24	Issued for information	RB
P4	22/11/24	Issued for Information	RB
P5	31/01/25	Issued for Information	RB
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL



LOCATION PLAN
NTS

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Surface Analysis: Elevation Ranges

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1		-19.856	-10.000	15063.9	30707.6
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(Excluding Future roads)

Area:	376,980 m²
Cut Volume:	601,830 m³
Fill Volume:	666,720 m³
Net (Surplus)*	64,900 m³

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CAD ref: T:\projects\39s\39470 - Maitahi Development\Civil\39470.Drawing Set 1-Earthwork

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MAITAHI DEVELOPMENT
NELSON

PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 2 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C102
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

Contractor to locate all existing services & verify all dimensions before commencing work

Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
P3	25/09/24	Issued for information	RB
P4	22/11/24	Issued for Information	RB
P5	31/01/25	Issued for Information	RB
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL

LOCATION PLAN
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MAITAHI DEVELOPMENT
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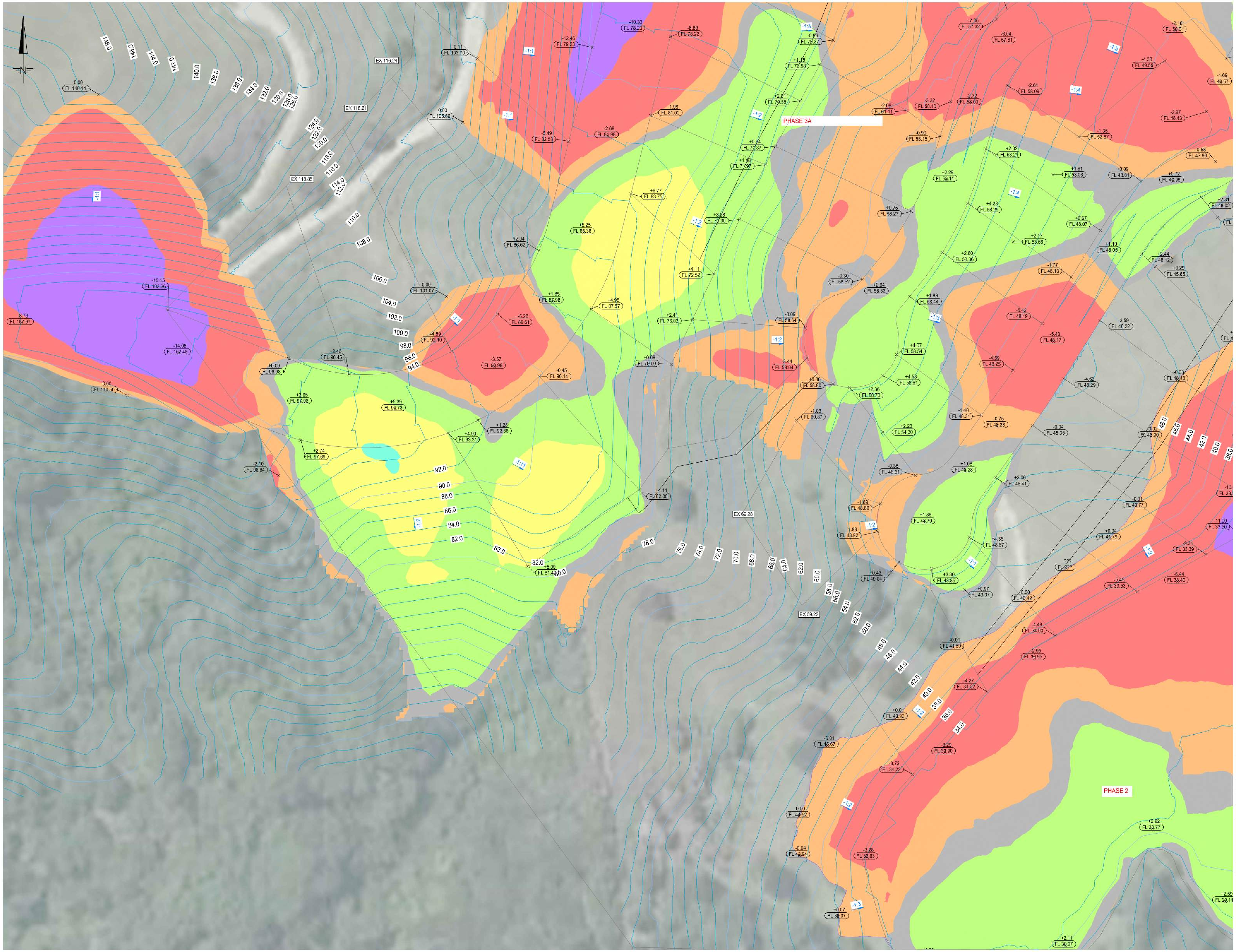
PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 3 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C103
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2



Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
P3	25/09/24	Issued for information	RB
P4	22/11/24	Issued for Information	RB
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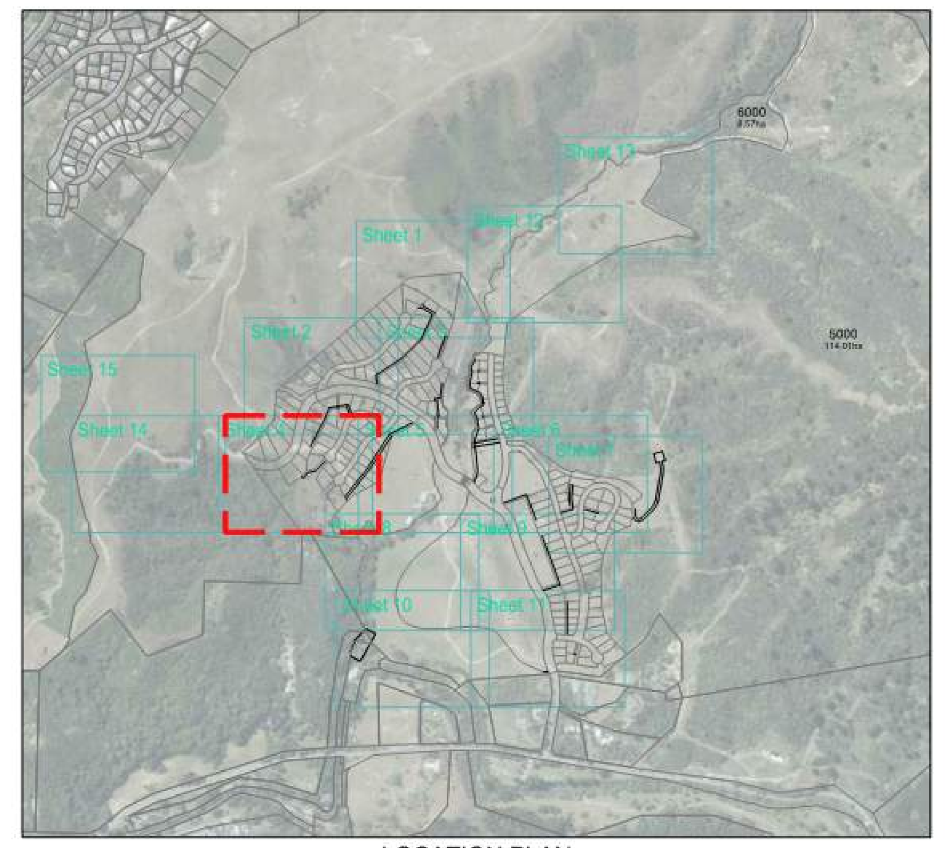
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL



LOCATION PLAN
NTS

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CAD ref: T:\projects\39s\39470 - Maitahi Development\Civil\39470.Drawing Set 1-Earthwork

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MAITAHI DEVELOPMENT
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PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 4 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C104
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

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Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
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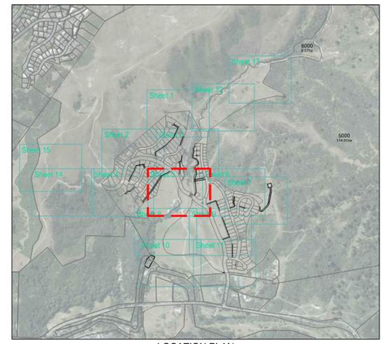
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL



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MAITAHI DEVELOPMENT
NELSON

PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 5 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C105
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

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Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
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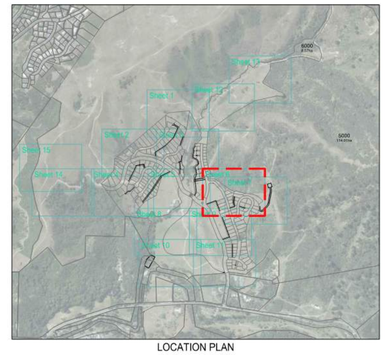
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL



LOCATION PLAN
NTS

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LEGEND:

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- Construction Stage Boundary
- Proposed Contour (2 m intervals)
- EX 93.75 — Existing Surface Level
- FL 39.04 — Proposed Finished Surface Level
- -0.044 — Proposed Cut (-) or Fill (+) Level
- -1:2 — Proposed Slope

Surface Analysis: Elevation Ranges

Number	Color	Minimum Elevation (m)	Maximum Elevation (m)	2D Area (m²)	Volume (m³)
1		-19.856	-10.000	15063.9	30707.6
2		-10.000	-2.000	109063.7	438059.8
3		-2.000	0.000	74592.4	318332.5
4		0.000	1.000	38911.2	163279.8
5		1.000	5.000	111869.4	359376.8
6		5.000	10.000	32165.2	68395.1
7		10.000	14.600	1999.7	2318.7

Overall Earthworks :
(Excluding Future road)

Area:	376,980 m²
Cut Volume:	601,830 m³
Fill Volume:	666,720 m³
Net (Surplus)*	64,900 m³

* Note :- Net fill surplus is made up of additional fill volume that can be accommodated within

CAD ref: T:\projects\39s\39470 - Maitahi Development\Civil\39470.Drawing Set 1-Earthwork

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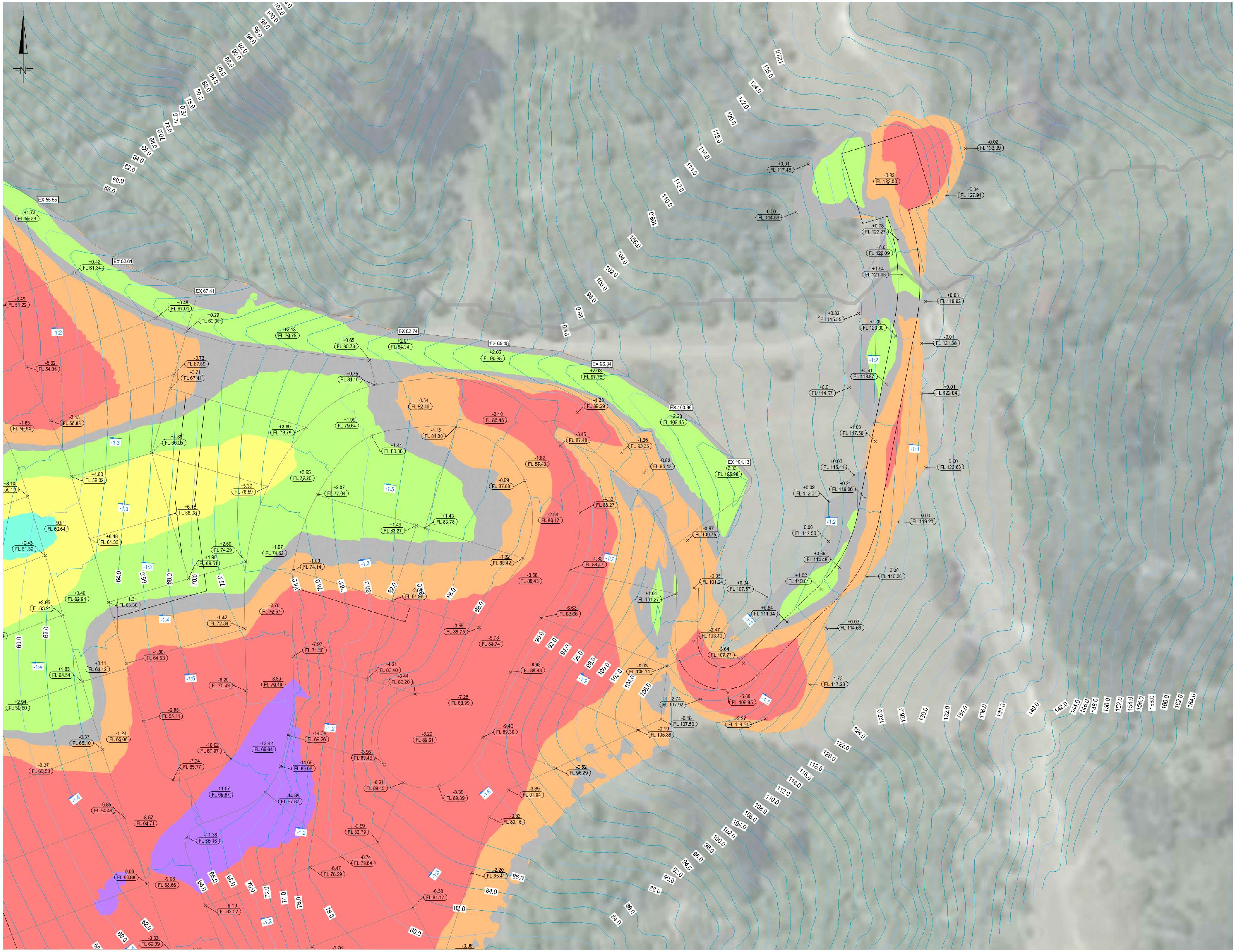
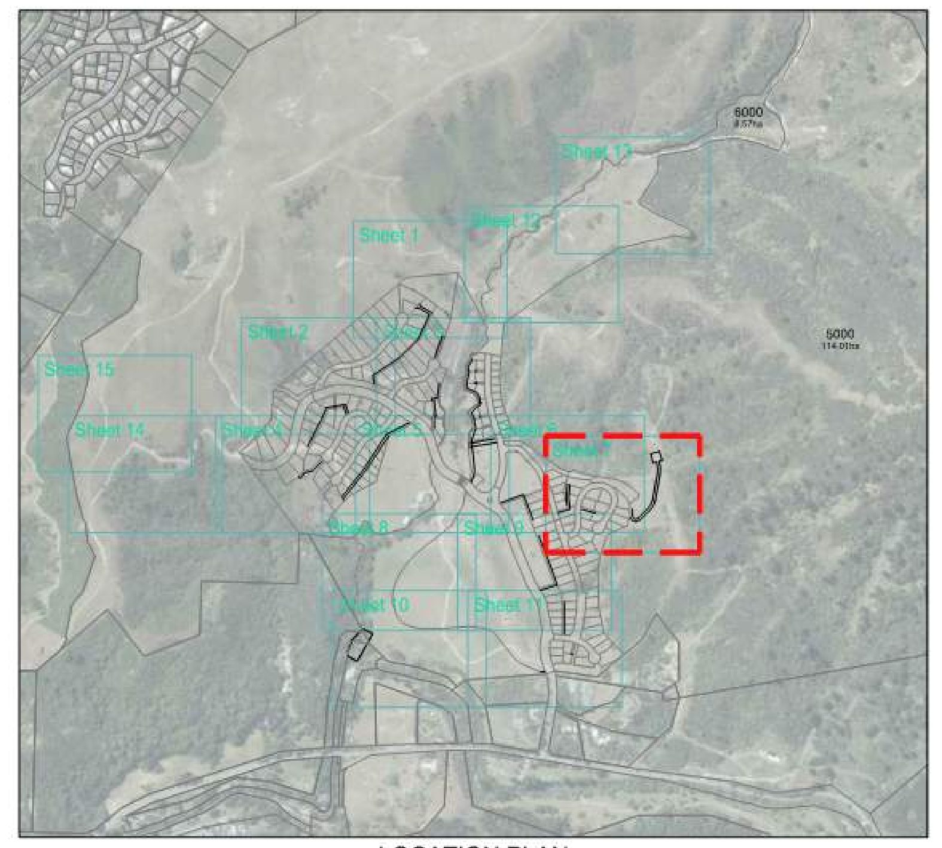
MAITAHI DEVELOPMENT
NELSON

PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 6 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C106
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

Contractor to locate all existing services & verify all dimensions before commencing work





LOCATION PLAN
NTS

Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
P3	25/09/24	Issued for information	RB
P4	22/11/24	Issued for Information	RB
P5	31/01/25	Issued for Information	RB
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Boundaries updated	RB

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Surface Analysis: Elevation Ranges

Number	Color	Minimum Elevation (m)	Maximum Elevation (m)	2D Area (m²)	Volume (m³)
1	purple	-19.856	-10.000	15063.9	30707.6
2	red	-10.000	-2.000	109063.7	438059.8
3	orange	-2.000	0.000	74592.4	318332.5
4	grey	0.000	1.000	38911.2	163279.8
5	green	1.000	5.000	111869.4	359376.8
6	yellow	5.000	10.000	32165.2	68395.1
7	cyan	10.000	14.600	1999.7	2318.7

Overall Earthworks :
(Excluding Future road)

Area:	376,980 m²
Cut Volume:	601,830 m³
Fill Volume:	666,720 m³
Net (Surplus)*	64,900 m³

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CAD ref: T:\projects\39s\39470 - Maitahi Development\Civil\39470.Drawing Set 1-Earthwork

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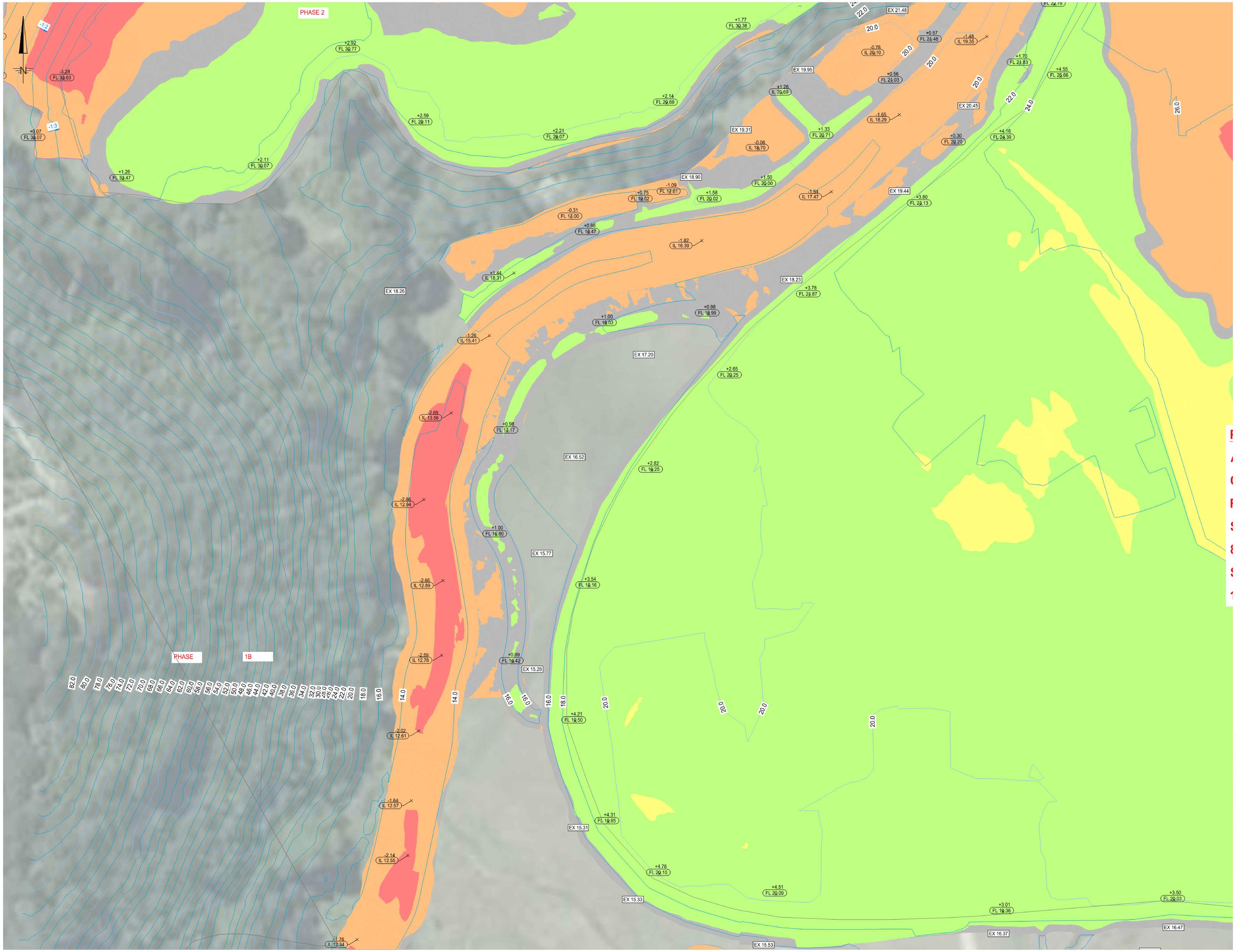
MAITAHI DEVELOPMENT
NELSON

PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 7 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C107
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

Contractor to locate all existing services & verify all dimensions before commencing work



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A2	9/07/25	Boundaries updated	RB

FOR APPROVAL

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PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 8 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C108
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

Contractor to locate all existing services & verify all dimensions before commencing work

Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
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P4	22/11/24	Issued for Information	RB
P5	31/01/25	Issued for Information	RB
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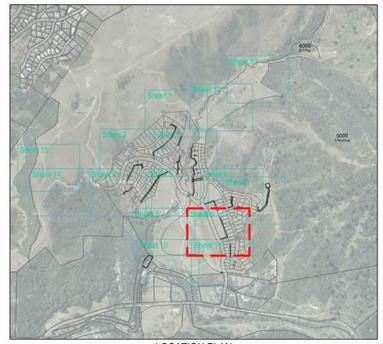
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL



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PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 9 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C109
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

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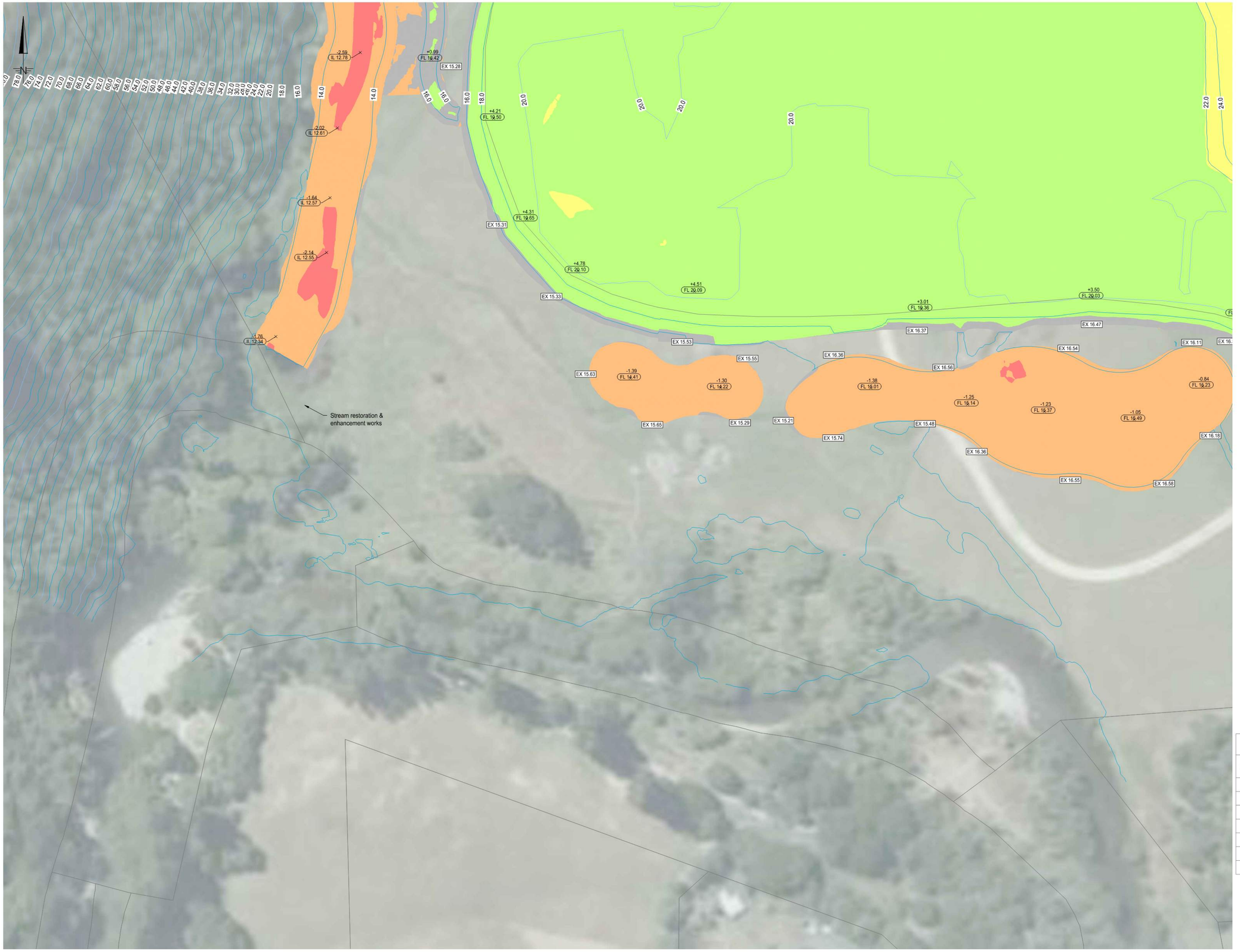

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P2	10/04/24	Issued for Information	RB
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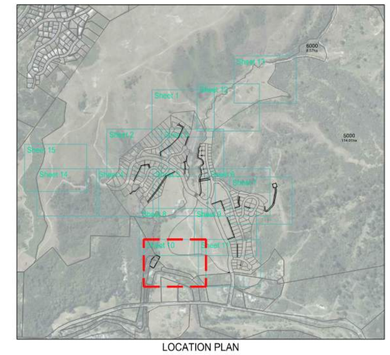

LOCATION PLAN
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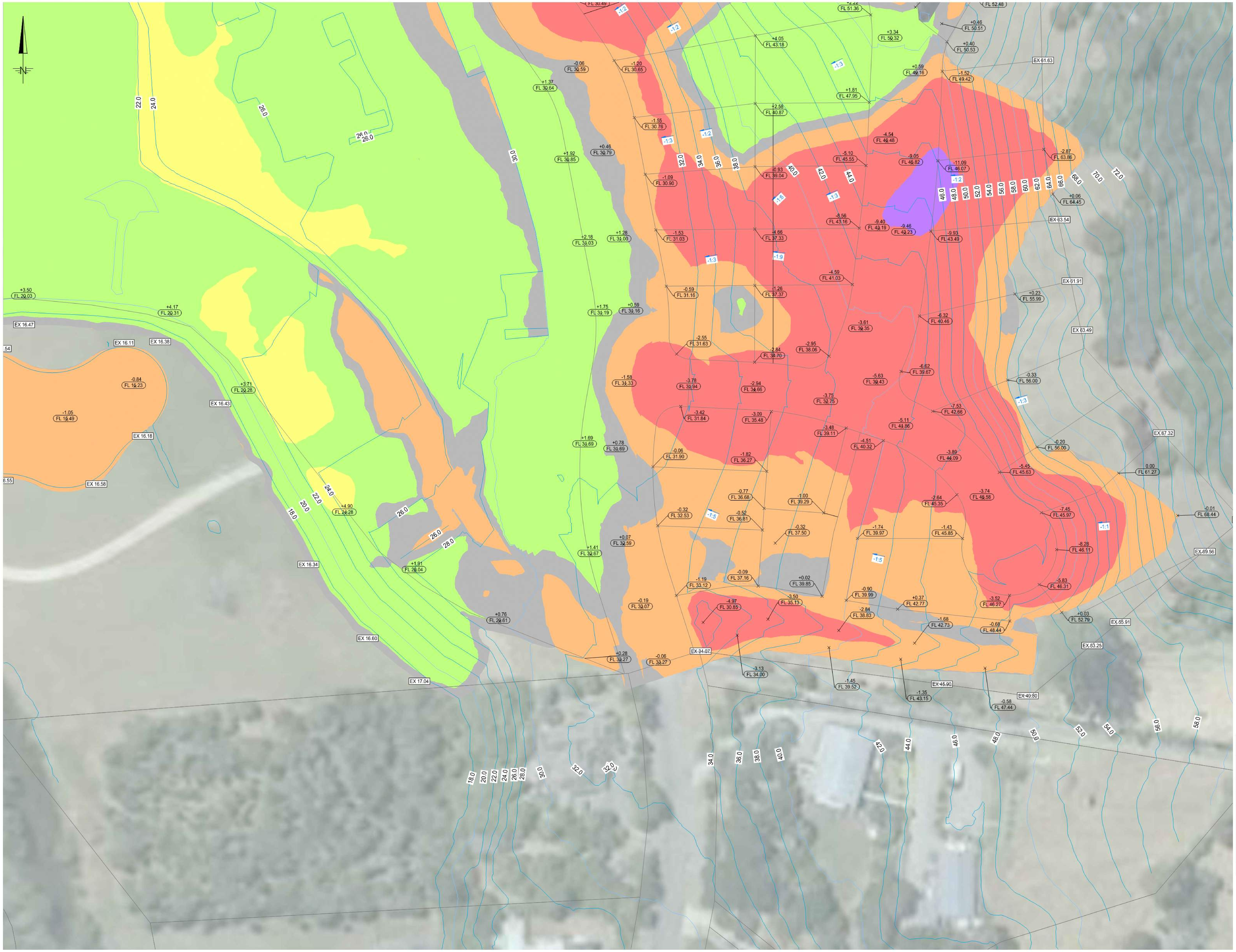
PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 10 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C110
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2



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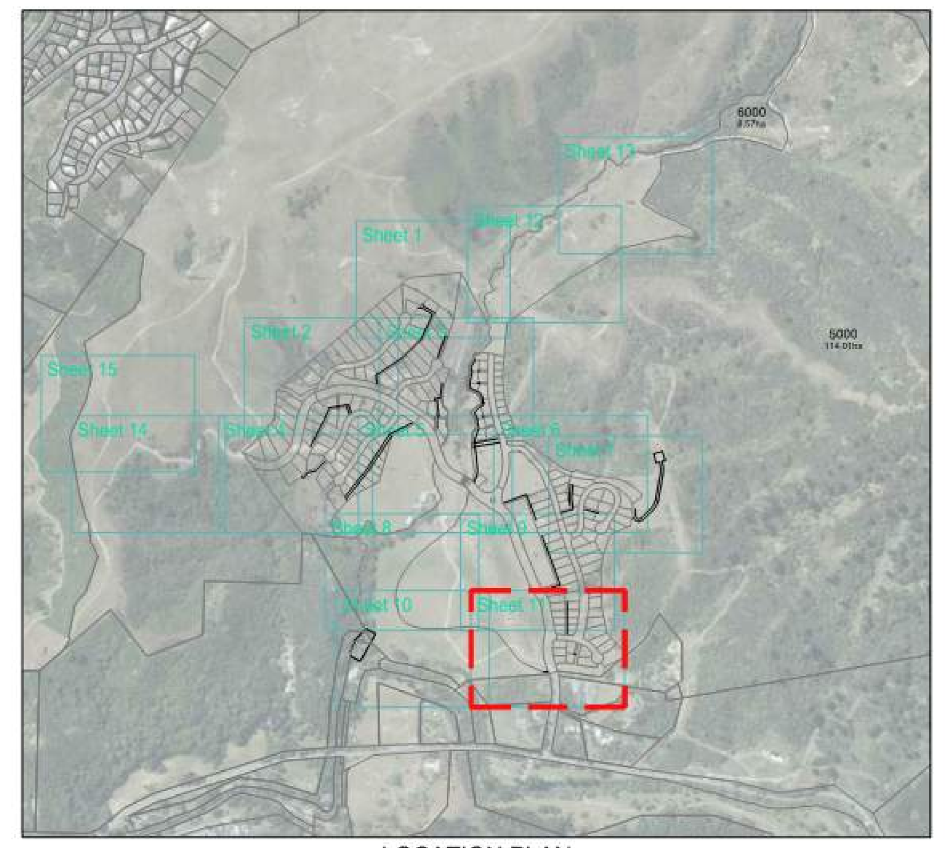

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PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 11 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C111
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

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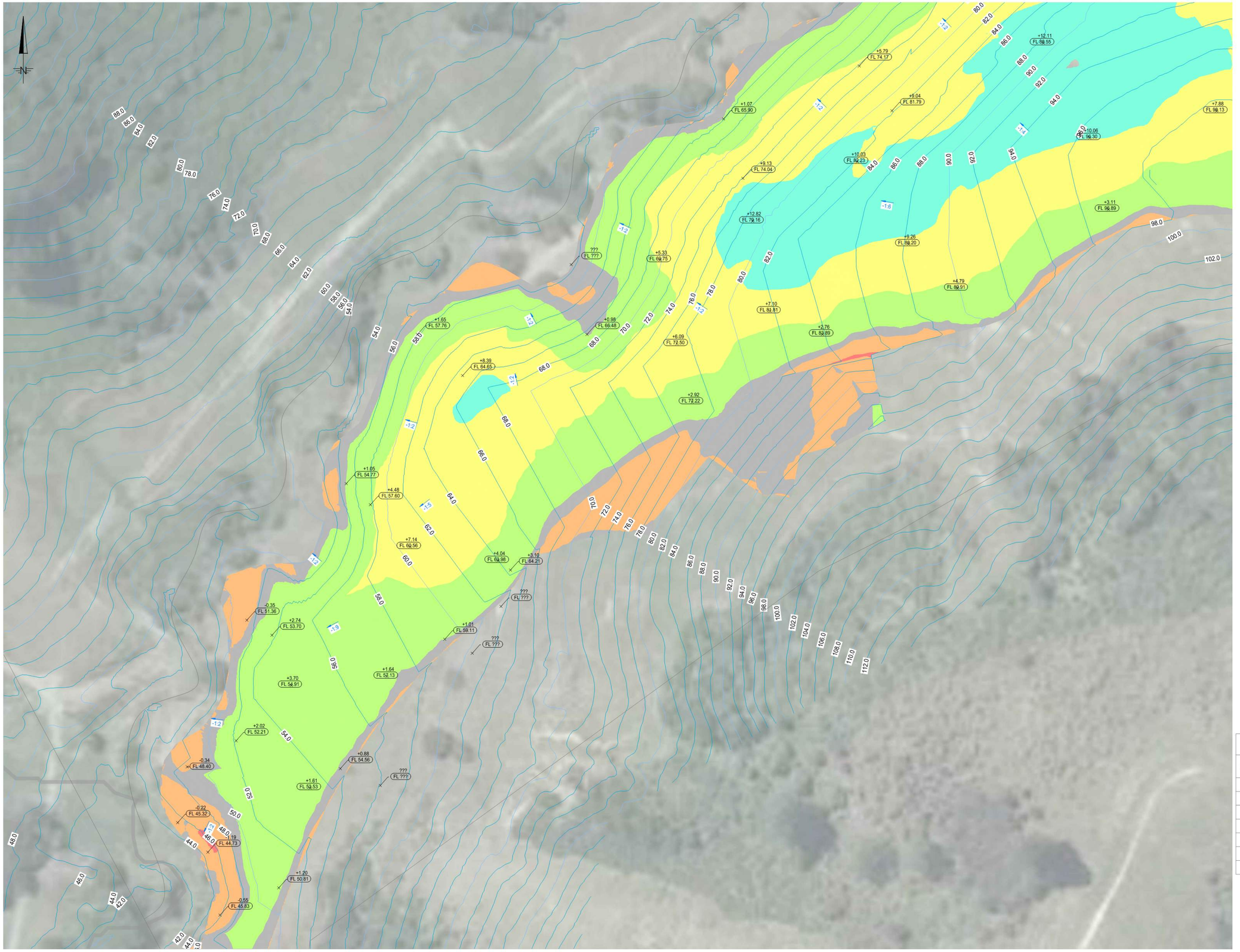

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P2	10/04/24	Issued for Information	RB
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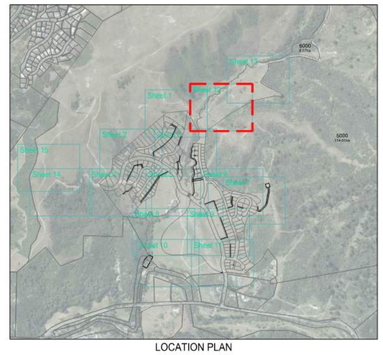

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Surface Analysis: Elevation Ranges

Number	Color	Minimum Elevation (m)	Maximum Elevation (m)	2D Area (m²)	Volume (m)
1		-19.856	-10.000	15063.9	30707.6
2		-10.000	-2.000	109063.7	438059.8
3		-2.000	0.000	74592.4	318332.5
4		0.000	1.000	38911.2	163279.8
5		1.000	5.000	111869.4	359376.8
6		5.000	10.000	32165.2	68395.1
7		10.000	14.600	1999.7	2318.7

Overall Earthworks :
(Excluding Future road)

Area:	376,980 m²
Cut Volume:	601,830 m³
Fill Volume:	666,720 m³
Net (Surplus)*	64,900 m³

* Note – Net fill surplus is made up of additional fill volume that can be accommodated within

CAD ref: T:\projects\39s\39470 - Maitahi Development\Civil\39470.Drawing Set 1-Earthwork

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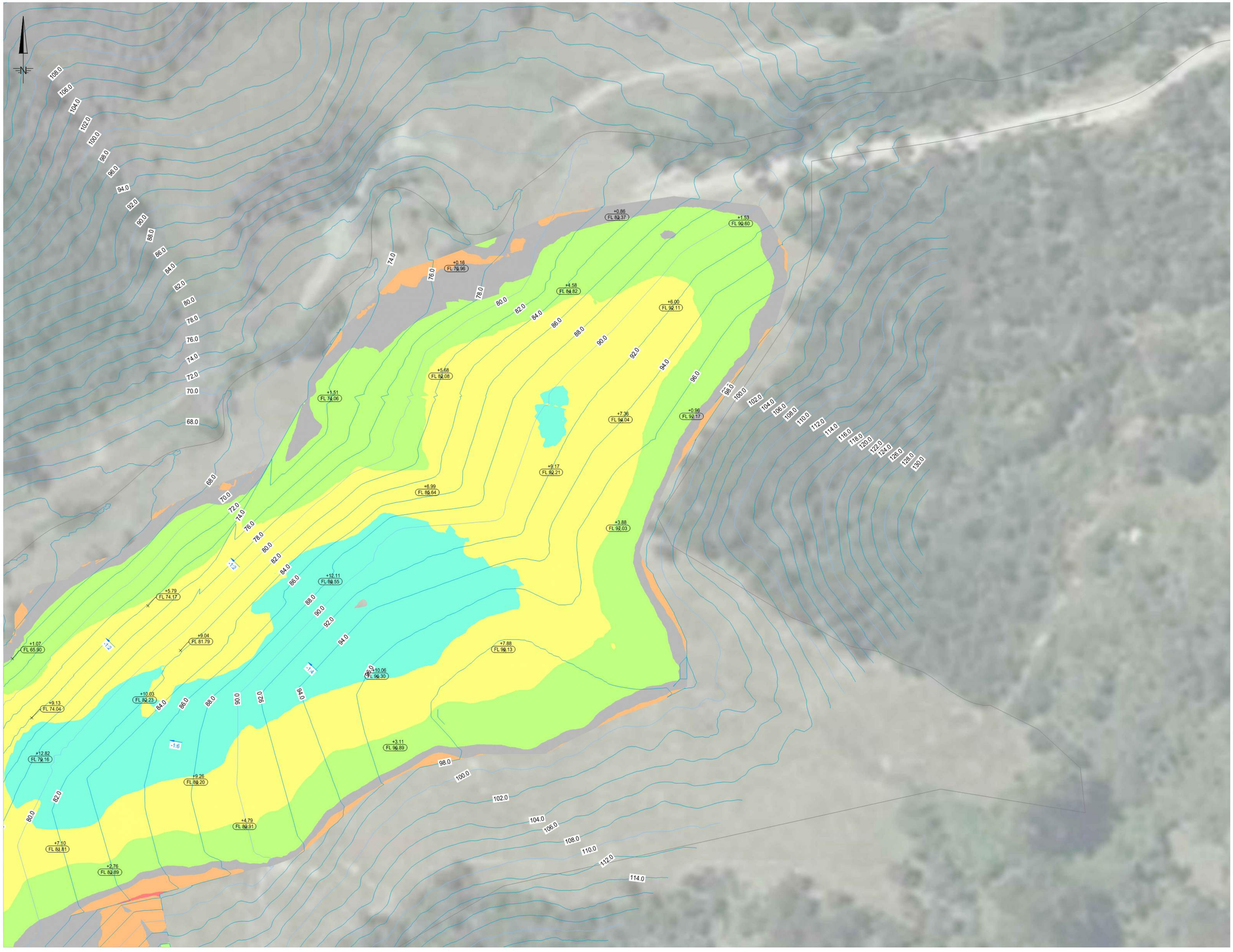
www.do.nz

MAITAHI DEVELOPMENT
NELSON

PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 12 OF 15

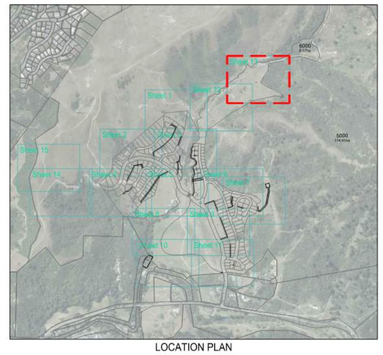
Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C112
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

Contractor to locate all existing services & verify all dimensions before commencing work



Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
P3	25/09/24	Issued for information	RB
P4	22/11/24	Issued for Information	RB
P5	31/01/25	Issued for Information	RB
A1	27/06/25	Issued for Resource Consent	RB
A2	9/07/25	Boundaries updated	RB

FOR APPROVAL



LOCATION PLAN
NTS

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MAITAHI DEVELOPMENT
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PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 13 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C113
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

Contractor to locate all existing services & verify all dimensions before commencing work

Rev.	Date	Reason	Approved
P2	10/04/24	Issued for Information	RB
P3	25/09/24	Issued for information	RB
P4	22/11/24	Issued for Information	RB
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Earthworks not part of this application. Shown to prove feasibility of future road connection. Associated earthworks excluded from volume summaries.

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PRELIMINARY EARTHWORKS
EARTHWORKS PLAN SHEET - 14 OF 15

Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C114
Scale @ A1	Date	Job No.	Rev.
1:500 (m)	01/24	39470	A2

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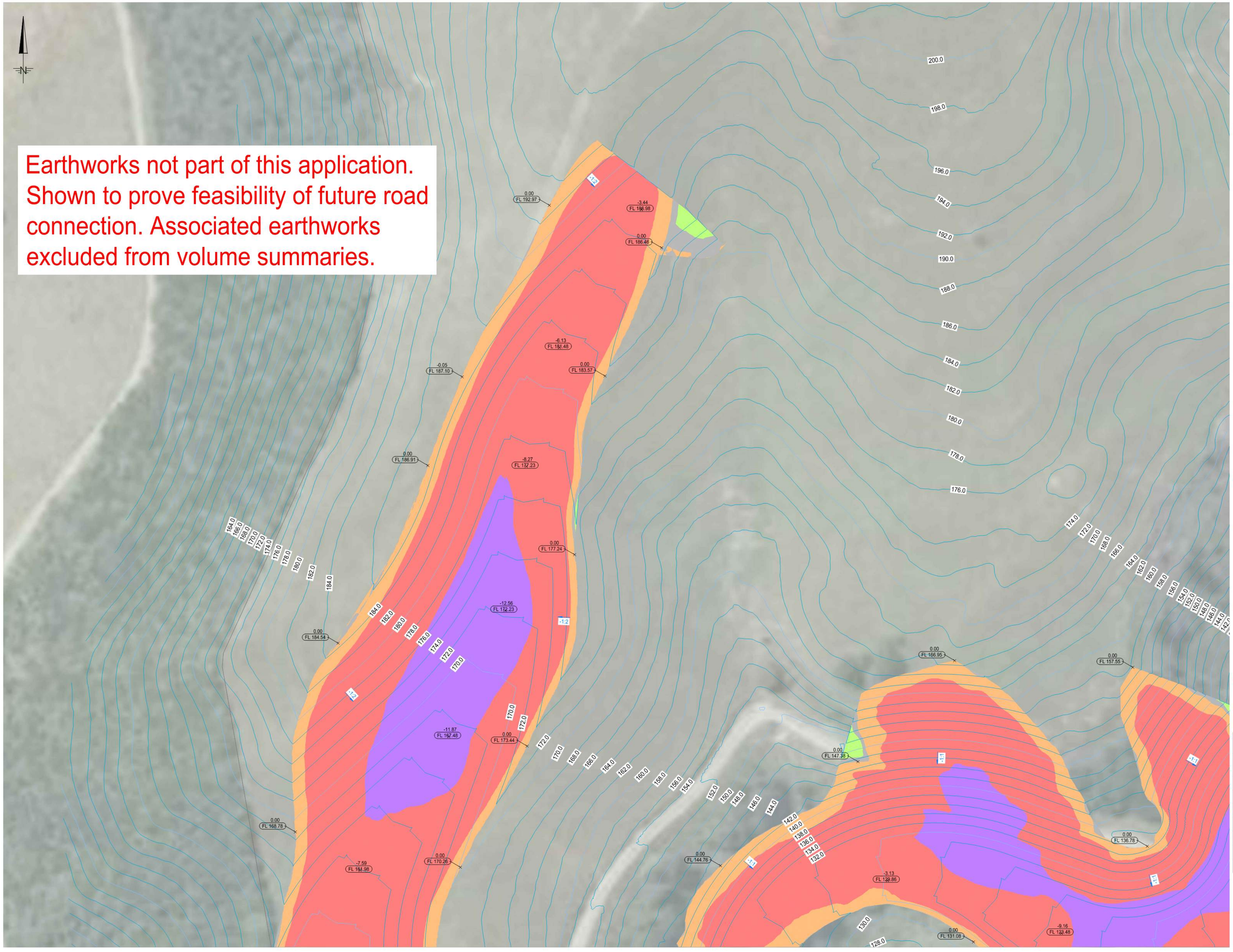

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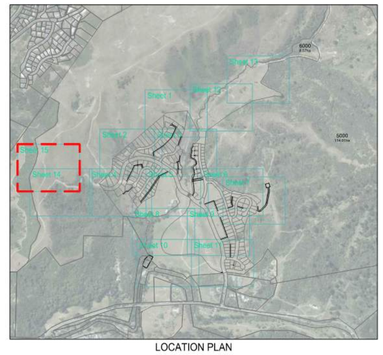

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