

**Valley fill Contingency**

**Disposal Area:**

**Area:** 10,650 m<sup>2</sup>  
**Fill Volume:** 49,440 m<sup>3</sup>

**Phase 3:**

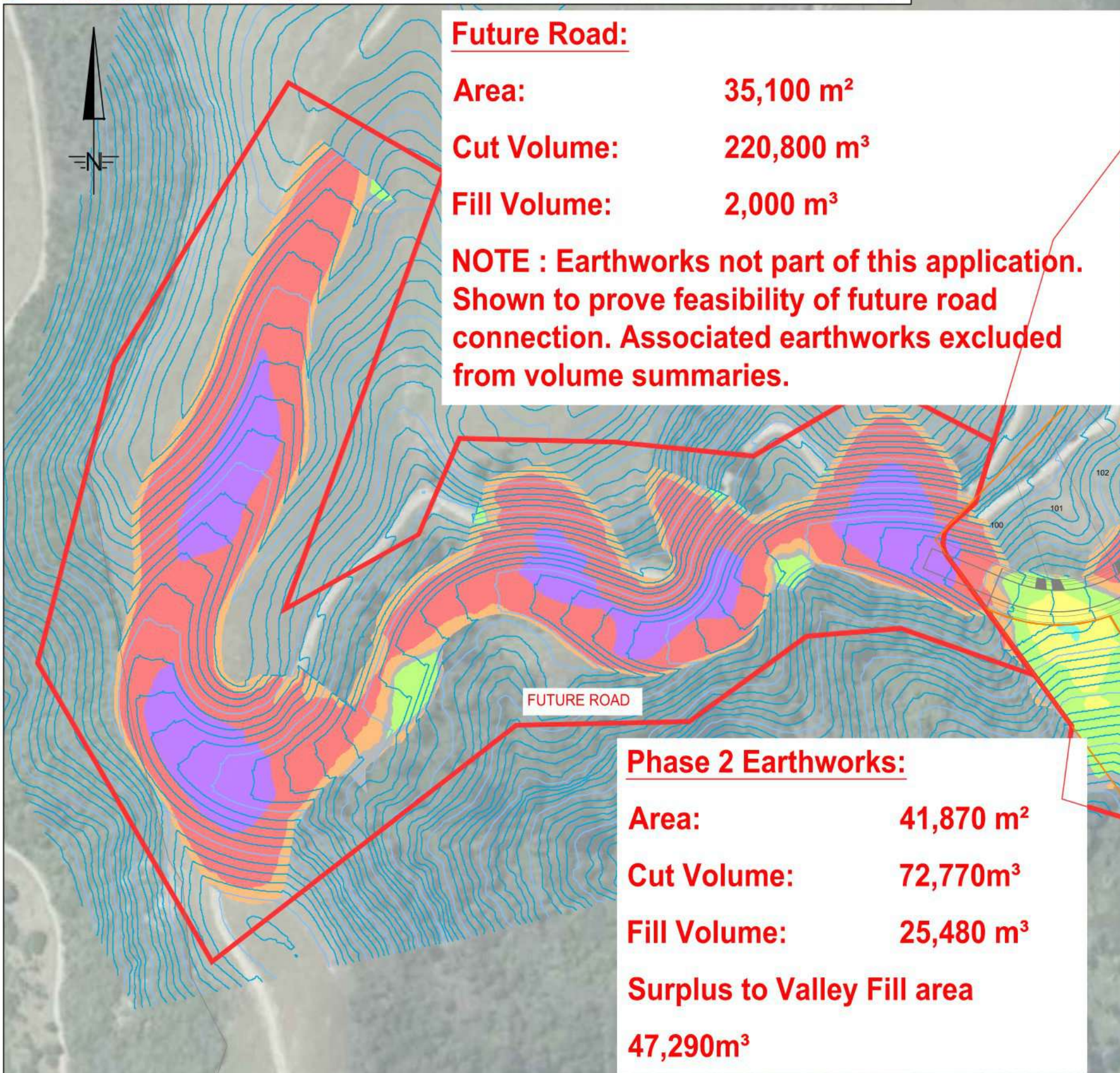
**Area:** 93,770 m<sup>2</sup>  
**Cut Volume:** 155,150 m<sup>3</sup>  
**Fill Volume:** 92,020 m<sup>3</sup>  
**Surplus to Valley Fill area**  
**63,130 m<sup>3</sup>**

**Phase 3A:**

**Area:** 50,570 m<sup>2</sup>  
**Cut Volume:** 85,920 m<sup>3</sup>  
**Fill Volume:** 56,640 m<sup>3</sup>

**Phase 3B:**

**Area:** 43,200 m<sup>2</sup>  
**Cut Volume:** 69,230 m<sup>3</sup>  
**Fill Volume:** 35,380m<sup>3</sup>



**Future Road:**

**Area:** 35,100 m<sup>2</sup>  
**Cut Volume:** 220,800 m<sup>3</sup>  
**Fill Volume:** 2,000 m<sup>3</sup>

**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 m<sup>2</sup>  
**Cut Volume:** 72,770m<sup>3</sup>  
**Fill Volume:** 25,480 m<sup>3</sup>  
**Surplus to Valley Fill area**  
**47,290m<sup>3</sup>**

**Phase 1 Earthworks:**

**Area:** 191,450 m<sup>2</sup>  
**Cut Volume:** 371,870 m<sup>3</sup>  
**Fill Volume:** 267,180 m<sup>3</sup>  
**Surplus Cut to Phase 4**  
**87,580m<sup>3</sup>**  
**Surplus cut to Valley fill area**  
**17,110m<sup>3</sup>**

**Phase 1A**

**Area:** 151,190 m<sup>2</sup>  
**Cut Volume:** 279,830 m<sup>3</sup>  
**Fill Volume:** 253,570 m<sup>3</sup>

**Phase 1B**

**Area:** 20,960 m<sup>2</sup>  
**Cut Volume:** 15,160 m<sup>3</sup>  
**Fill Volume:** 7,660m<sup>3</sup>

**Phase 1C**

**Area:** 19,300 m<sup>2</sup>  
**Cut Volume:** 76,880 m<sup>3</sup>  
**Fill Volume:** 5,950 m<sup>3</sup>

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

Rev.	Date	Reason	Approved
P3	20/03/24	Updated EW Zones	
P4	10/04/24	Issued for Information	RB
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

**FOR INFORMATION**



LOCATION PLAN  
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**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 (m <sup>2</sup> )	Volume (m <sup>3</sup> )
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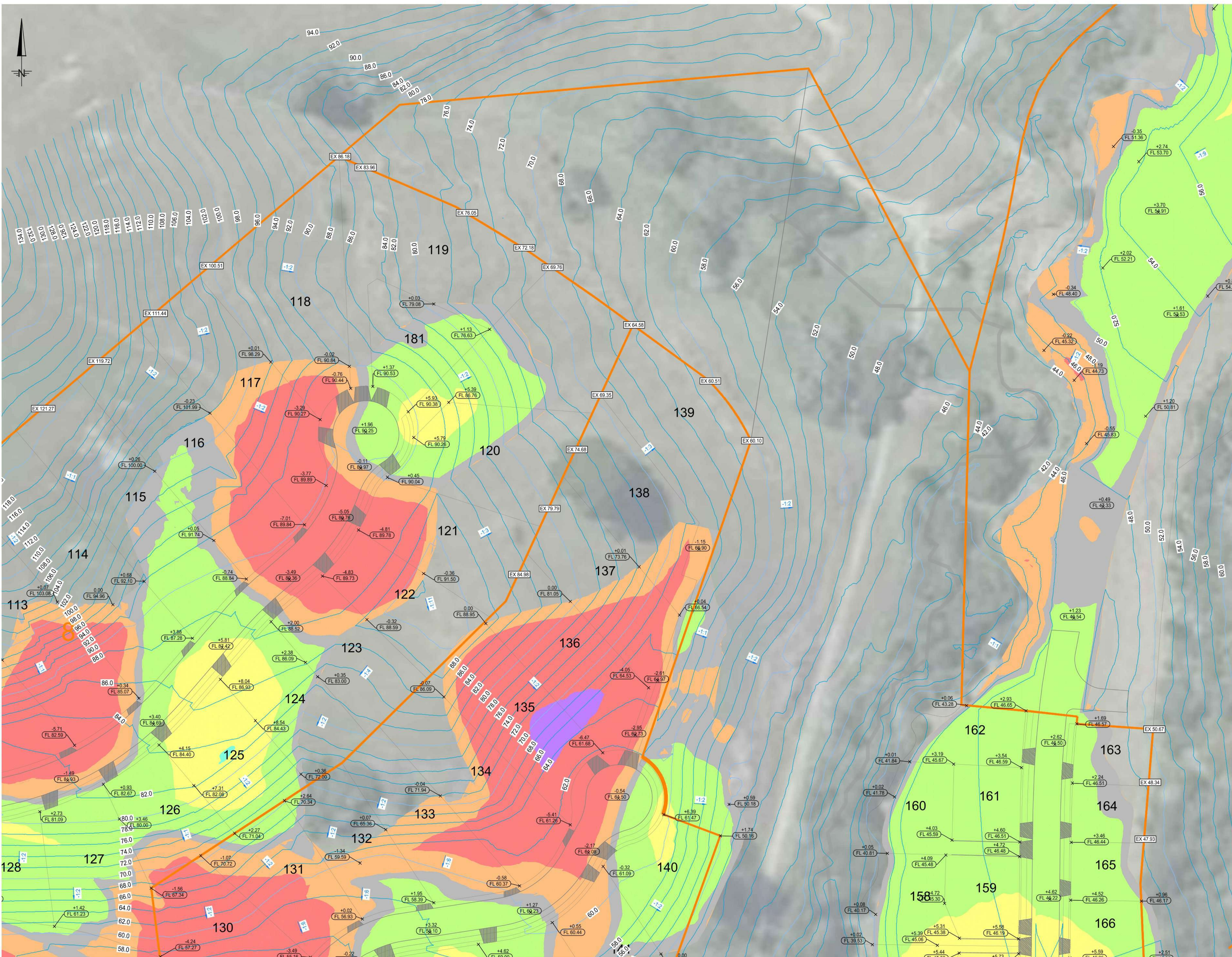
**Overall Earthworks :**

**Area:** 376,980 m<sup>2</sup>  
**Cut Volume:** 601,830 m<sup>3</sup>  
**Fill Volume:** 666,720 m<sup>3</sup>  
**Net (Surplus)** 64,900 m<sup>3</sup>

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 null.

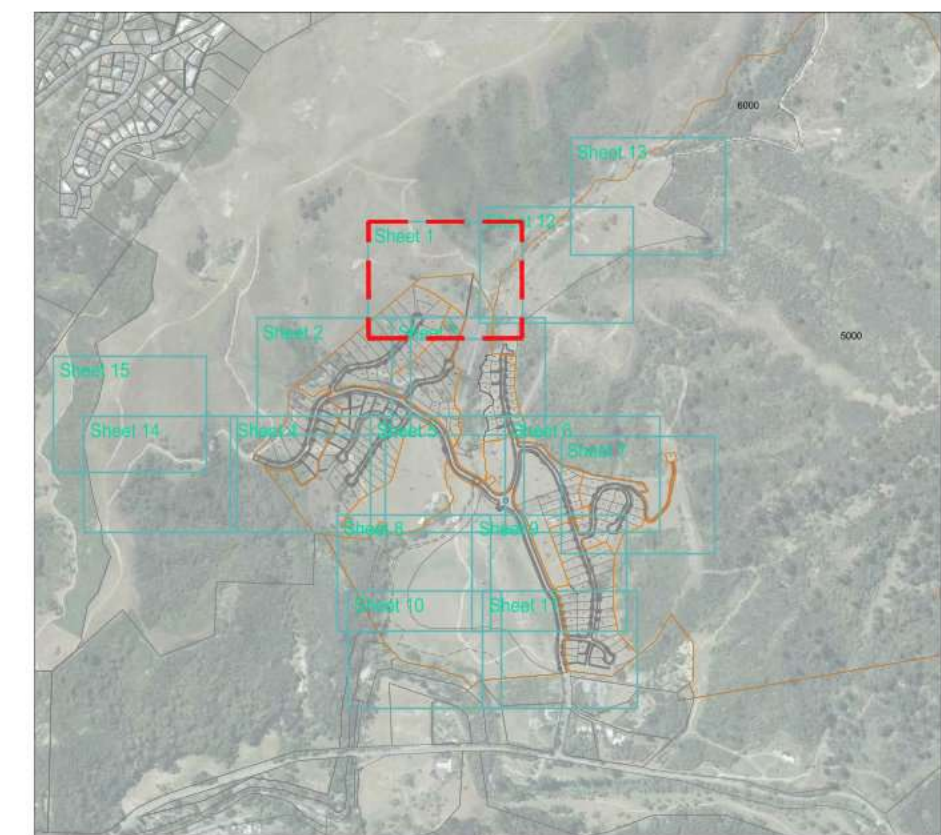
Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	<b>C100</b>
Scale @ A1	Date	Job No.	Rev.
1:2,000 (m)	01/24	<b>39470</b>	<b>P8</b>





Rev.	Date	Reason	Approved
P1	7/02/24	Issued for Information	RB
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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- Construction Stage Boundary
- Proposed Contour (2 m intervals)
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- Proposed Finished Surface Level
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- Proposed Slope
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### Overall Earthworks:

Area: 376,980 m<sup>2</sup>

Cut Volume: 601,830 m<sup>3</sup>

Fill Volume: 666,720 m<sup>3</sup>

Net (Surplus) 64,900 m<sup>3</sup>

Note - Net fill surplus is made up of additional fill volume that can be accommodated within the site.

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

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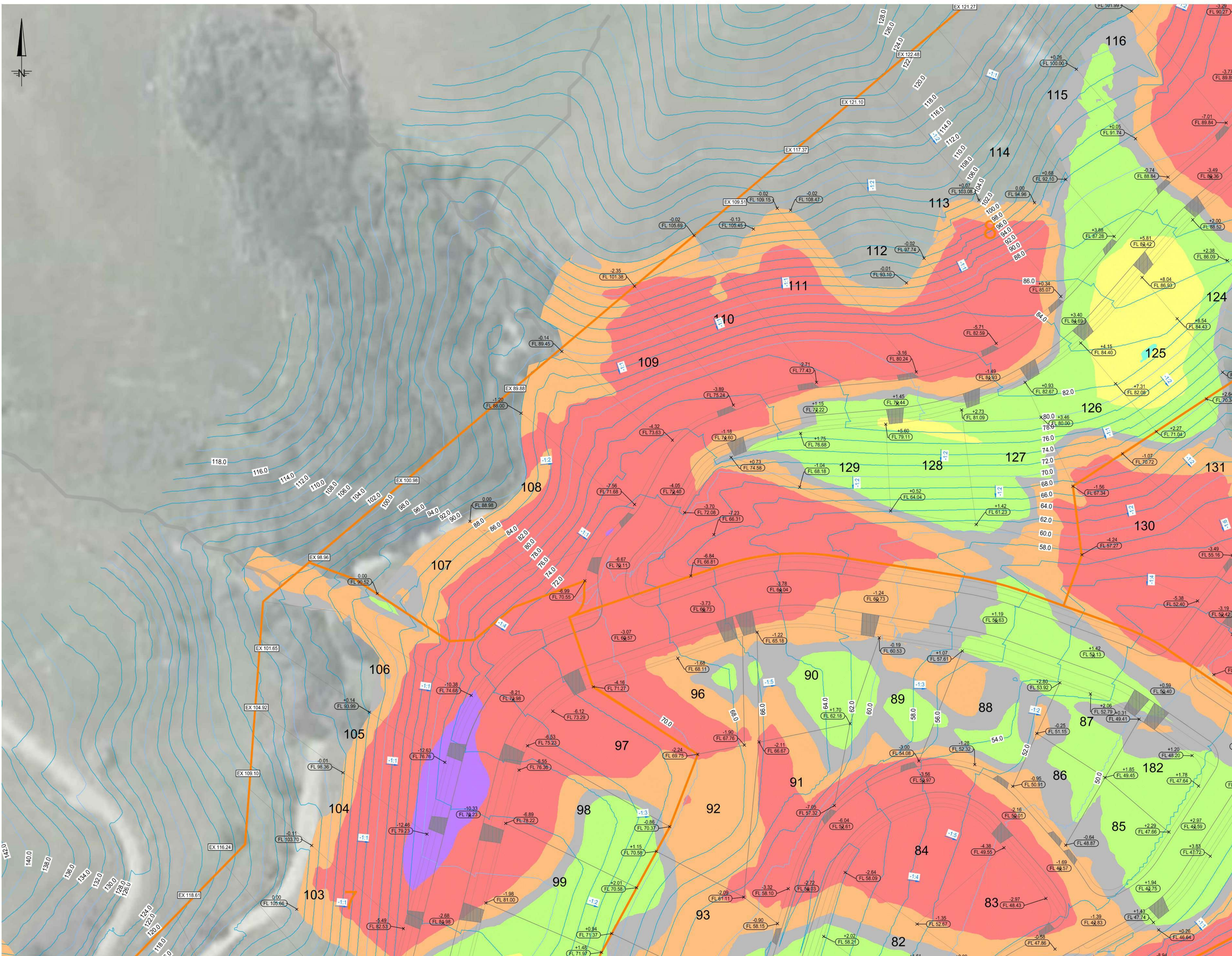
Davis Ogilvie & Partners Limited  
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Office 0800 999 333 Email hello@do.nz  
www.do.nz

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PRELIMINARY EARTHWORKS  
EARTHWORKS PLAN SHEET - 1 OF 15

Design BVB	Drawn CR	QA Check JB	Dwg No. C101
Scale @ A1 1:500 (m)	Date 01/24	Job No. 39470	Rev. P5





Rev.	Date	Reason	Approved
P1	7/02/24	Issued for Information	RB
P2	10/04/24	Issued for Information	RB
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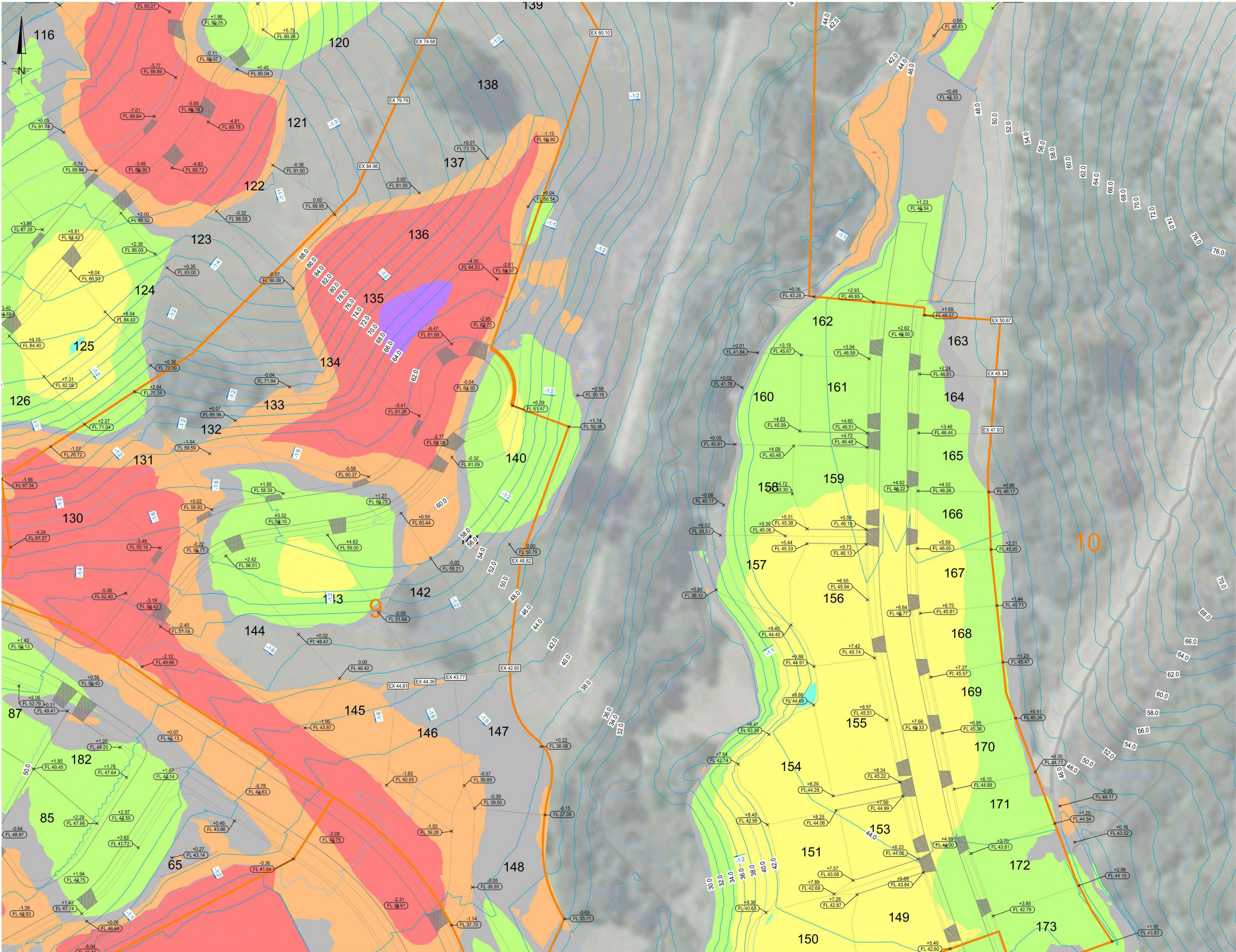
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PRELIMINARY EARTHWORKS  
EARTHWORKS PLAN SHEET - 2 OF 15

Design BVB	Drawn CR	QA Check JB	Dwg No. <b>C102</b>
Scale @ A1 1:500 (m)	Date 01/24	Job No. <b>39470</b>	Rev. <b>P5</b>





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P1	7/02/24	Issued for Information	RB
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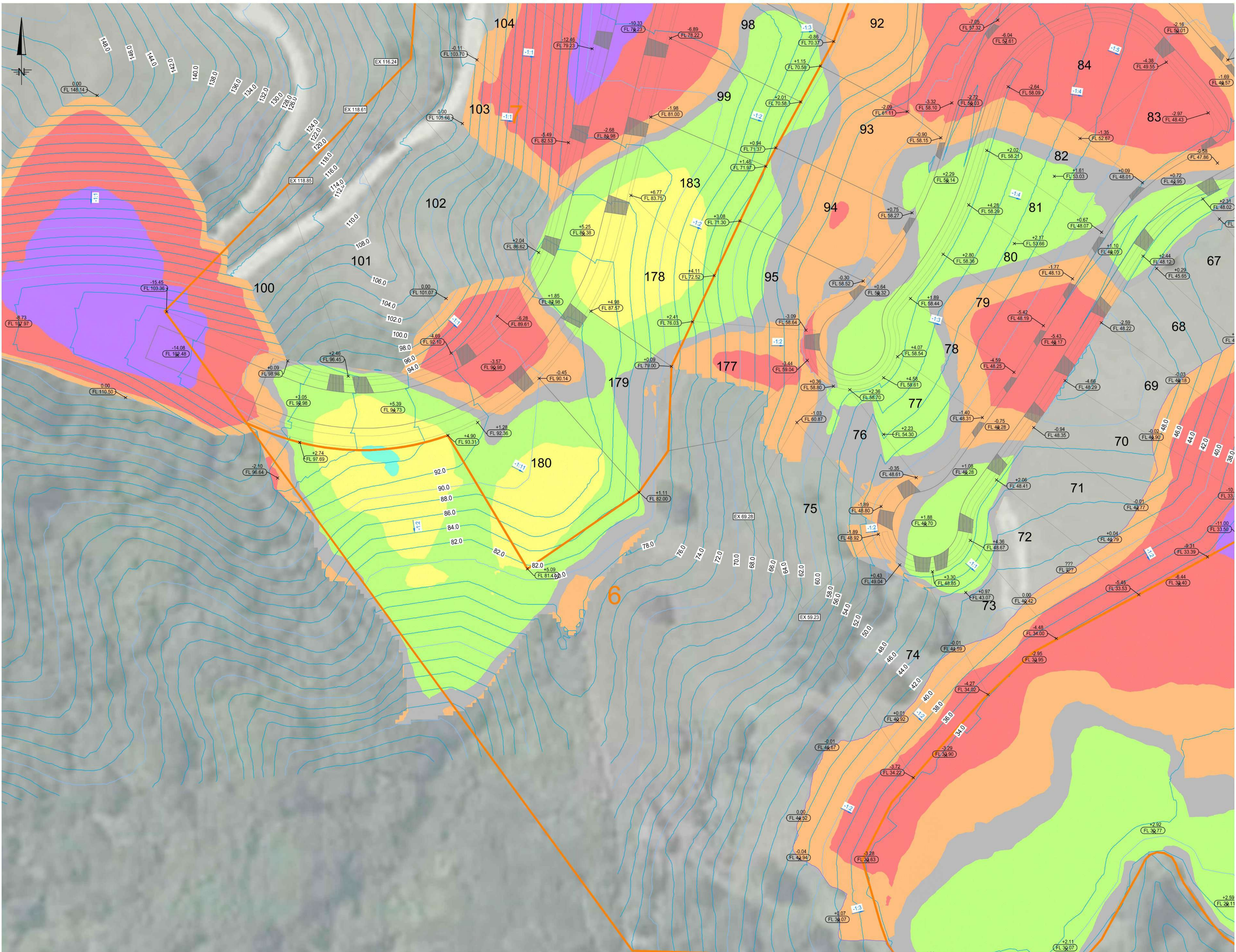
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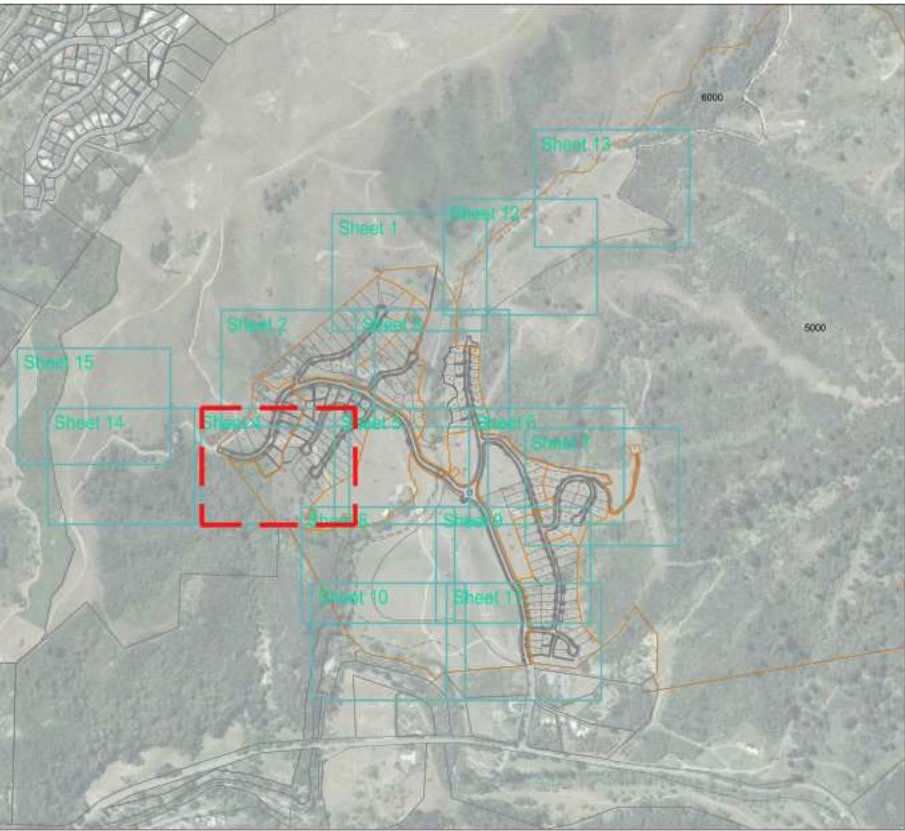
Note: Net fill surplus is made up of additional fill volume that can be accommodated within





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P1	7/02/24	Issued for Information	RB
P2	10/04/24	Issued for Information	RB
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### Surface Analysis: Elevation Ranges

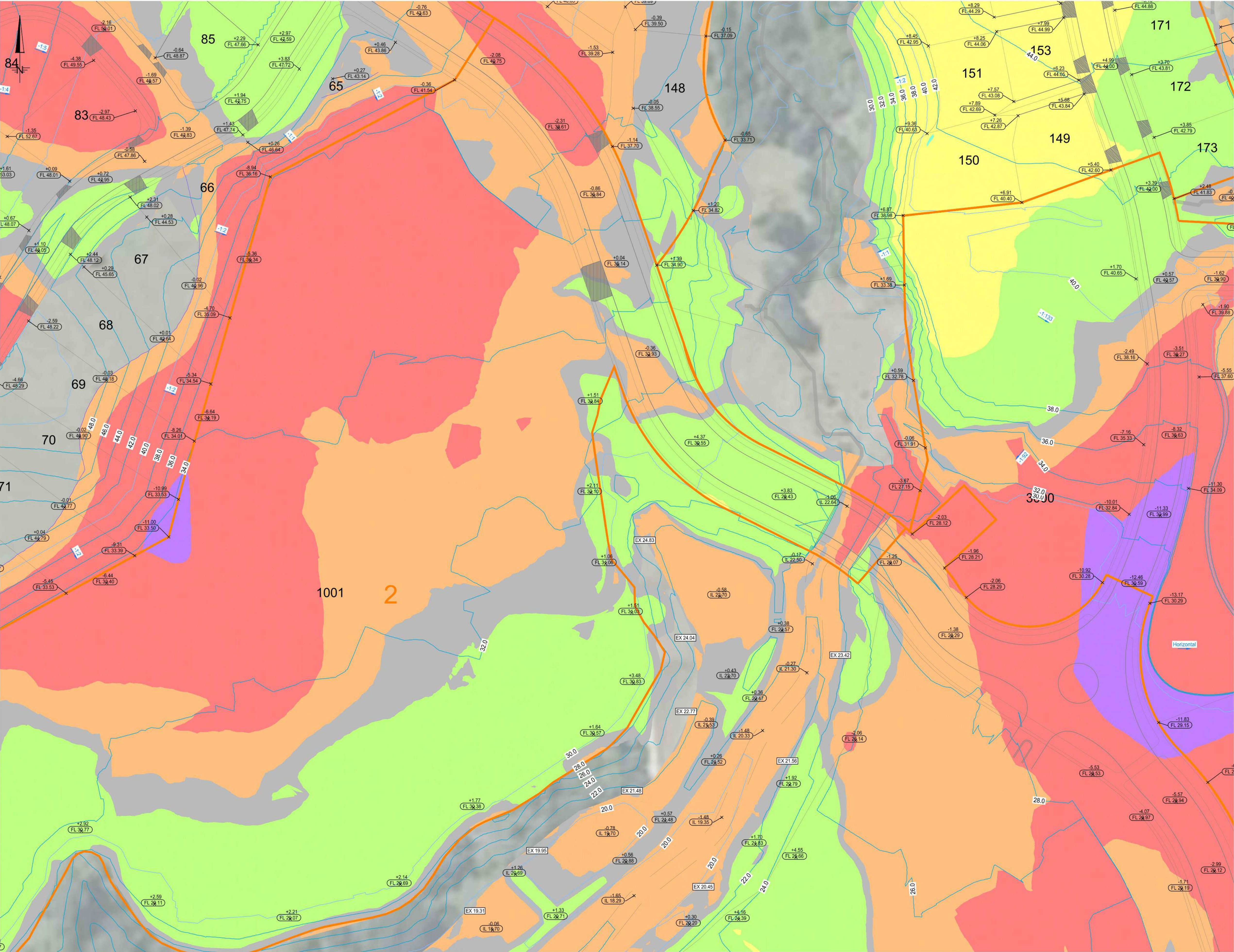
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### Overall Earthworks:

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 the site boundaries.





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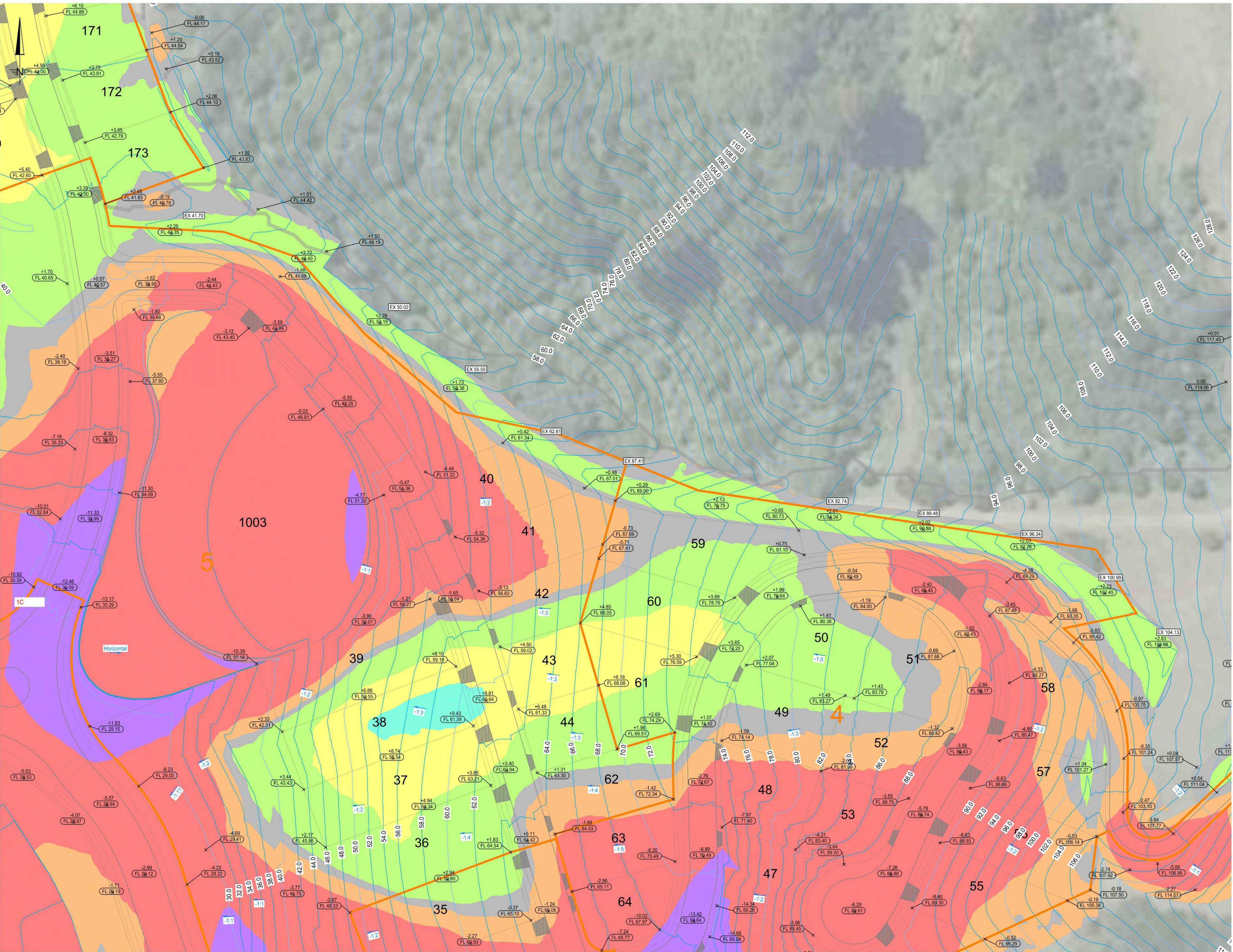
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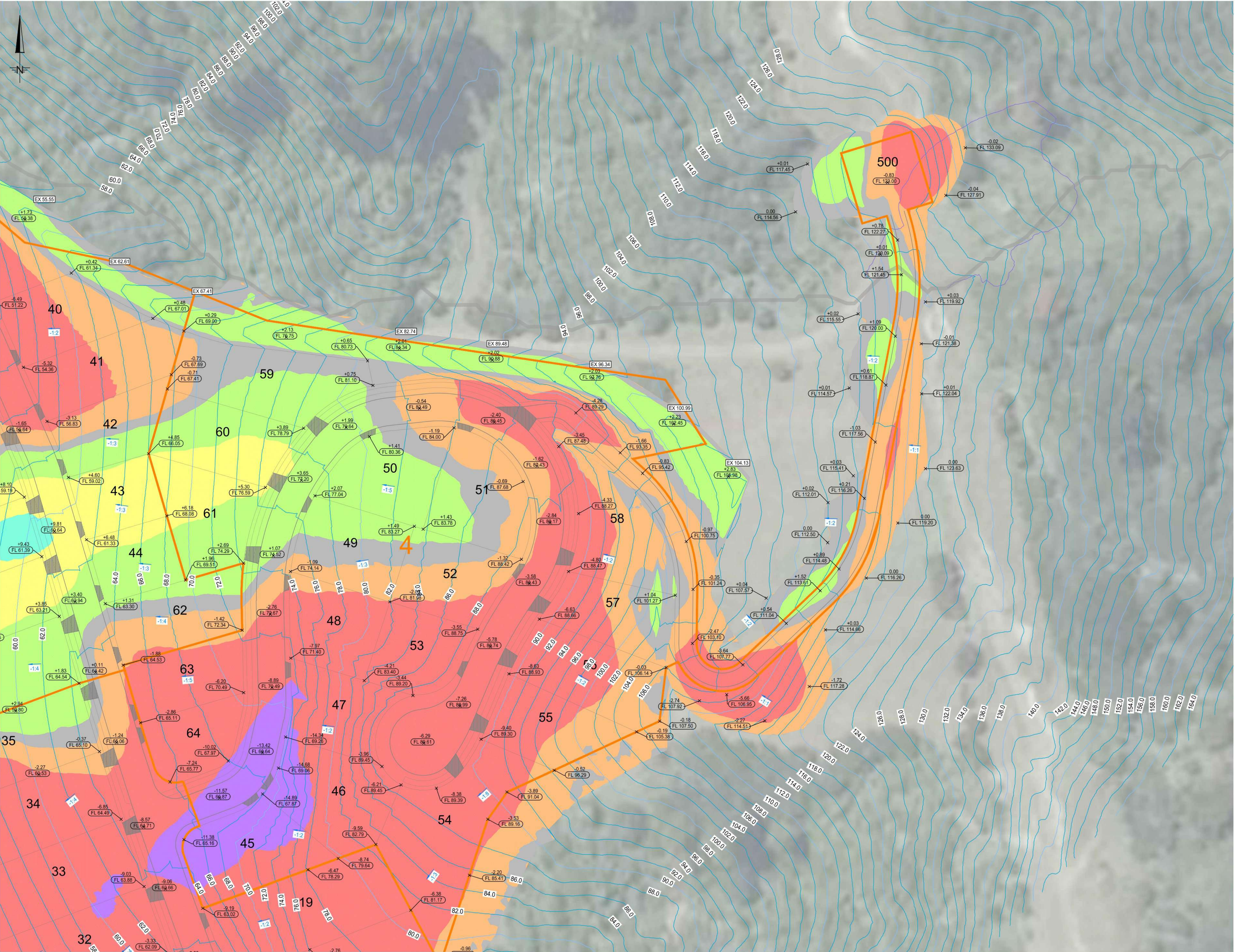
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Design	Drawn	QA Check	Dwg No.
BVB	CR	JB	C106
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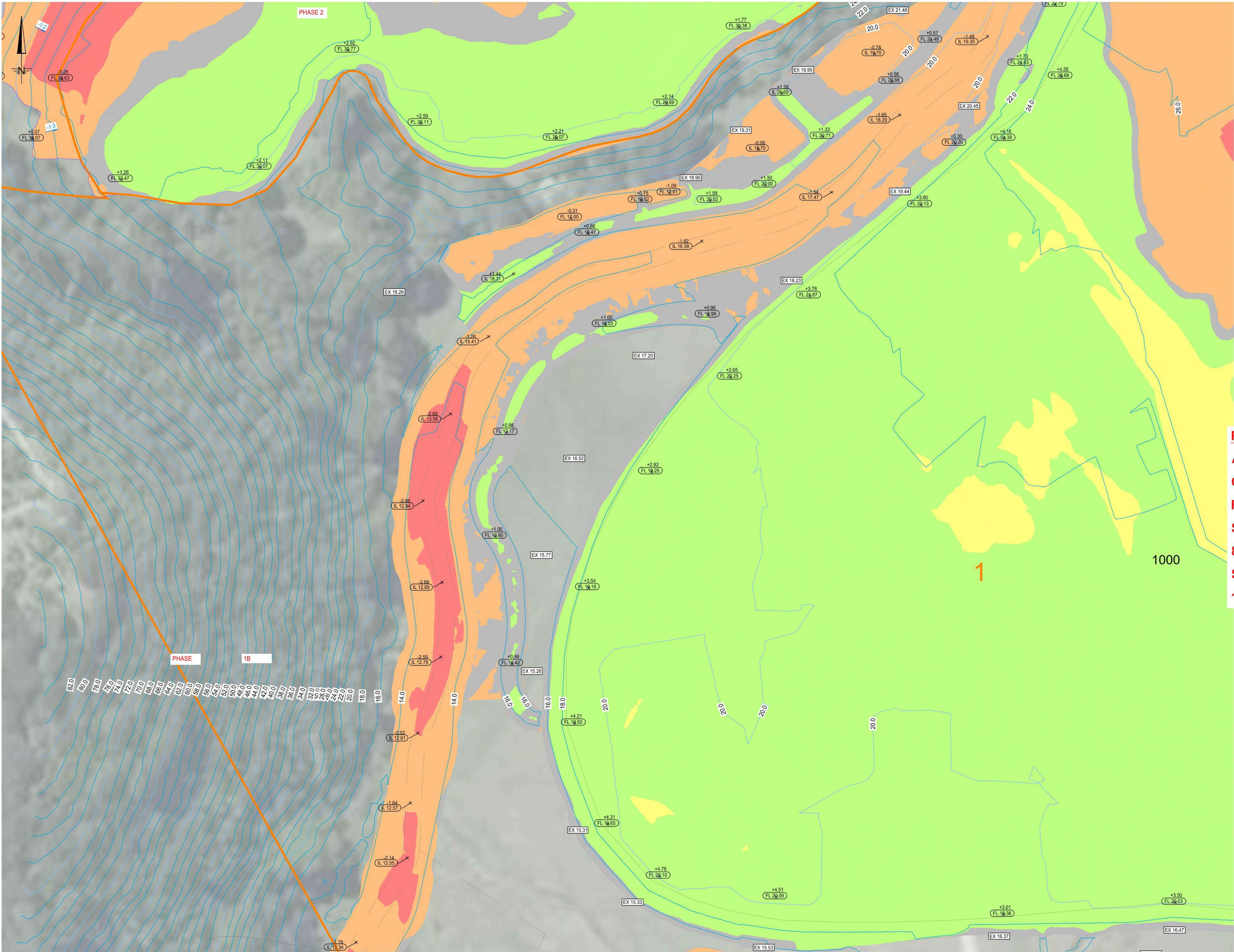
- Site Boundary
- Construction Stage Boundary
- Proposed Contour (2 m intervals)
- Existing Surface Level
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- Kerb Line

Surface Analysis: Elevation Ranges				
Number	Color	Minimum Elevation (m)	Maximum Elevation (m)	2D Area (m²)
1		-19.856	-10.000	15063.9
2		-10.000	-2.000	109063.7
3		-2.000	0.000	74592.4
4		0.000	1.000	38911.2
5		1.000	5.000	111869.4
6		5.000	10.000	32165.2
7		10.000	14.600	1999.7

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

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





Rev.	Date	Reason	Approved
P1	7/02/24	Issued for Information	RB
P2	10/04/24	Issued for Information	RB
P3	25/09/24	Issued for information	RB
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LOCATION PLAN  
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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
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Area: 376,980 m²  
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**do** DAVIS OGILVIE  
ENGINEERS / SURVEYORS / PLANNERS

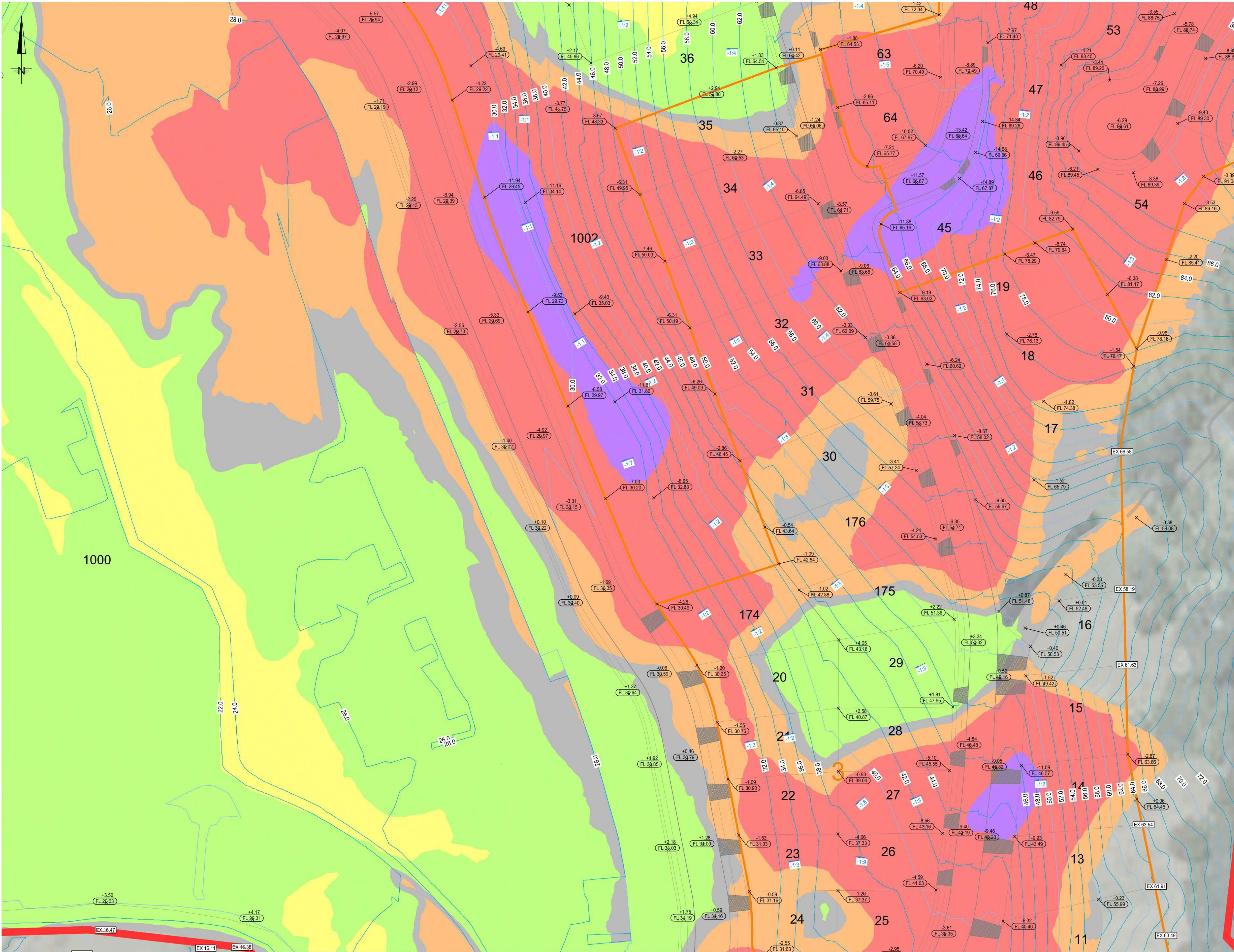
Davis Ogilvie & Partners Limited  
Level 1, 24 Moorhouse Avenue, Addington, Christchurch 8140  
Office 0800 999 333 Email hello@do.nz  
www.do.nz

MAITAHİ DEVELOPMENT  
NELSON

PRELIMINARY EARTHWORKS  
EARTHWORKS PLAN SHEET - 8 OF 15

Design BVB	Drawn CR	QA Check JB	Dwg No. <b>C108</b>
Scale @ A1 1:500 (m)	Date 01/24	Job No. <b>39470</b>	Rev. <b>P5</b>





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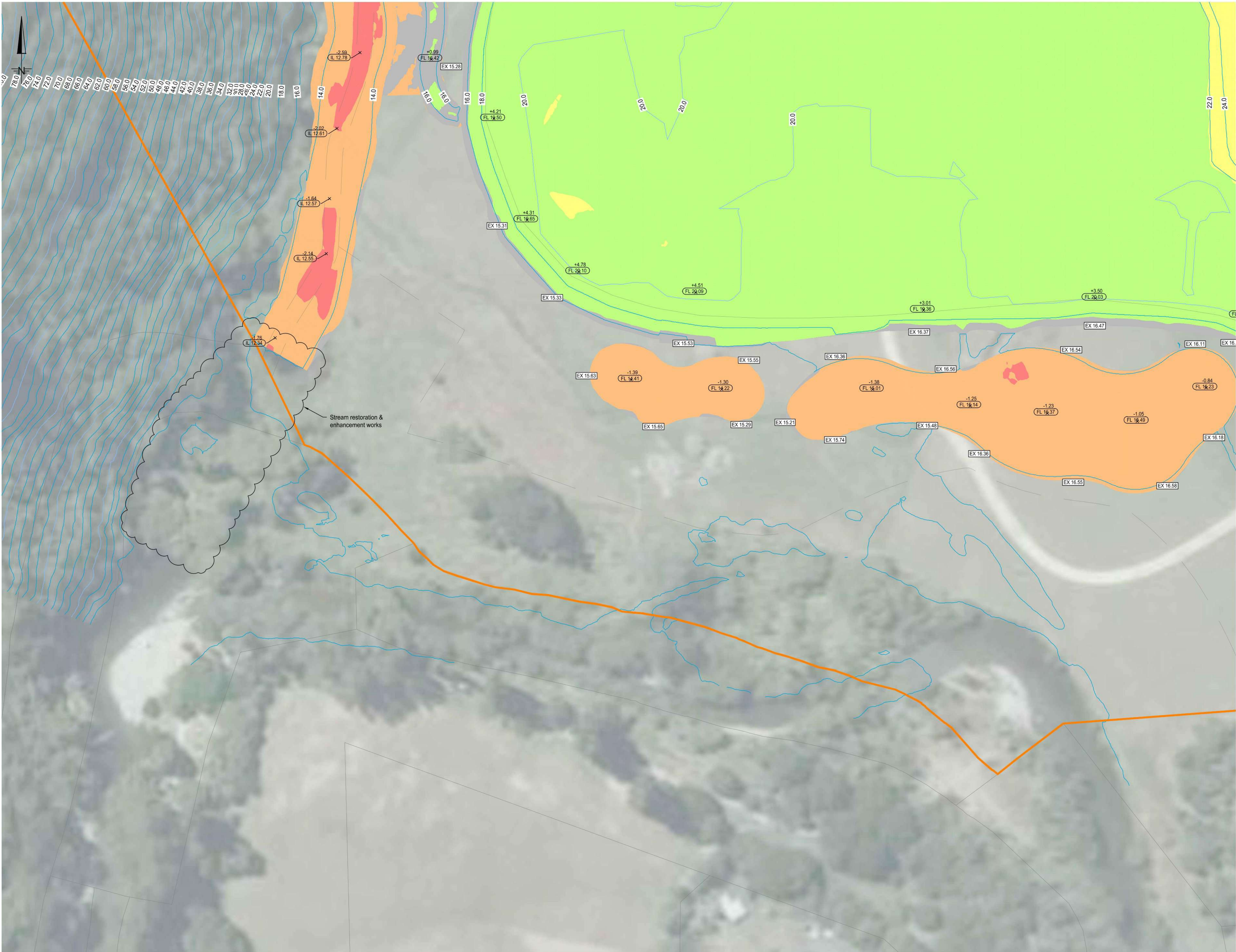
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### Surface Analysis: Elevation Ranges

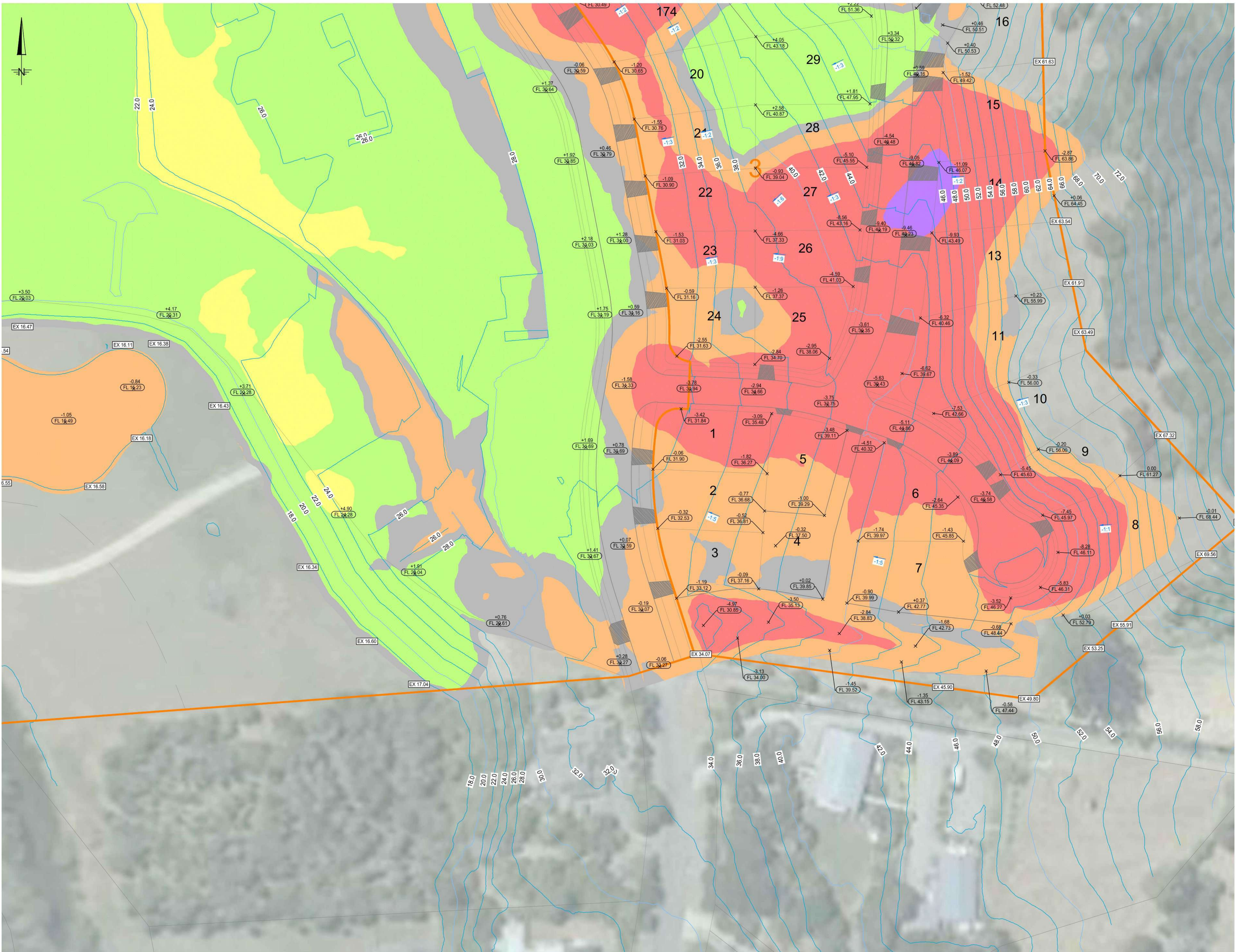
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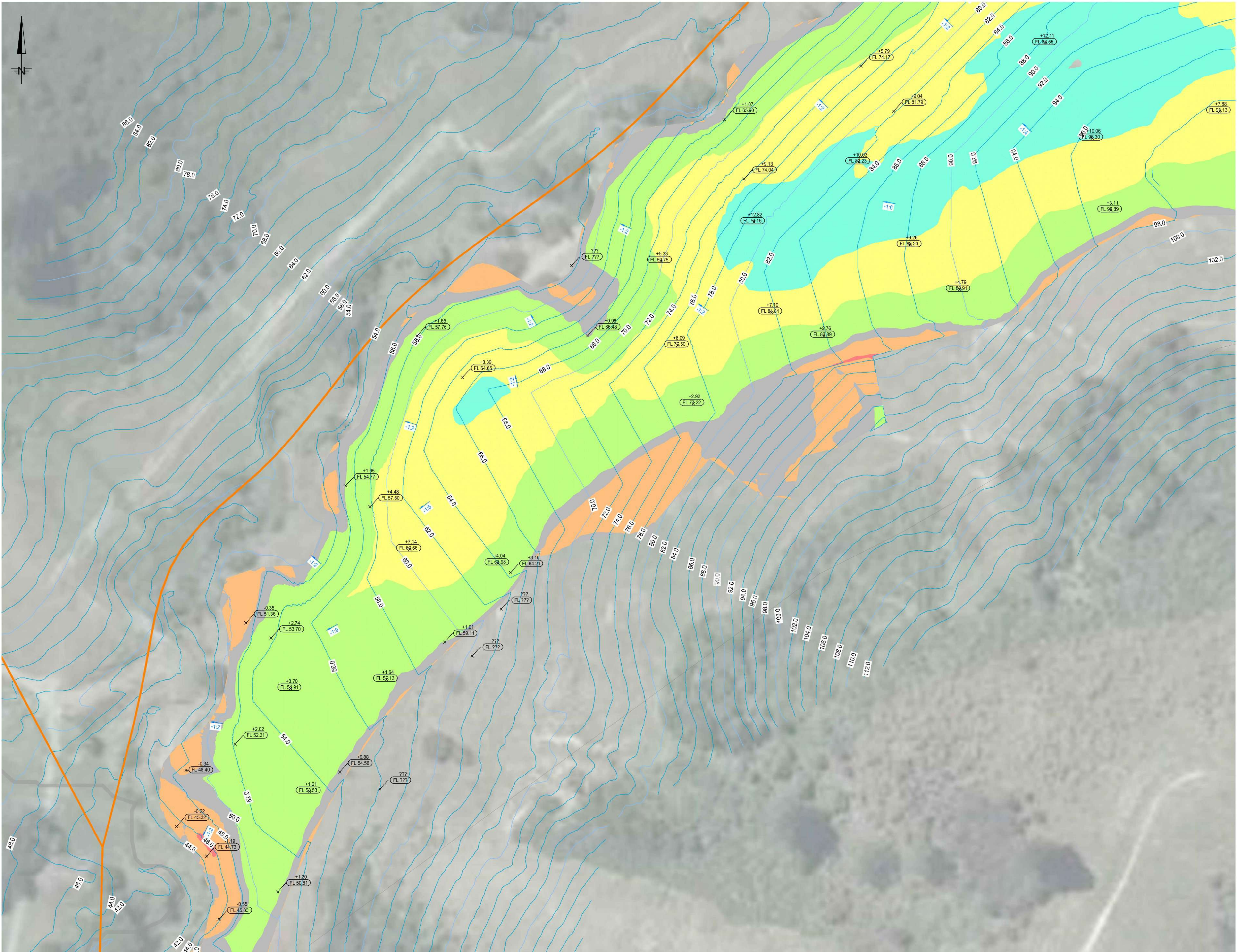
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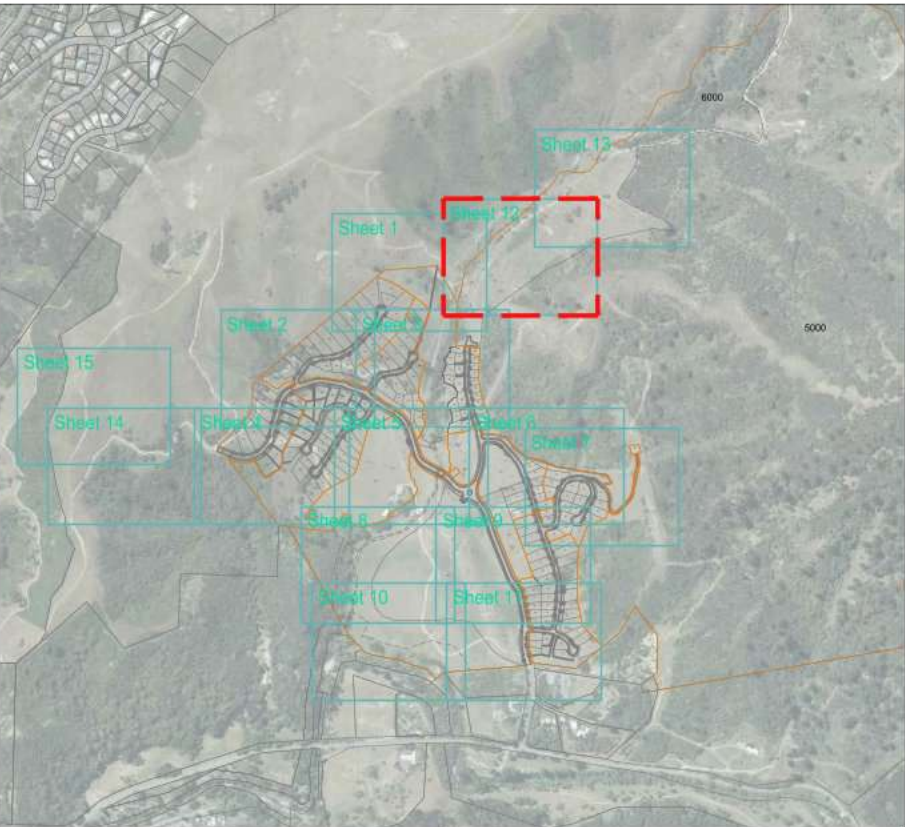
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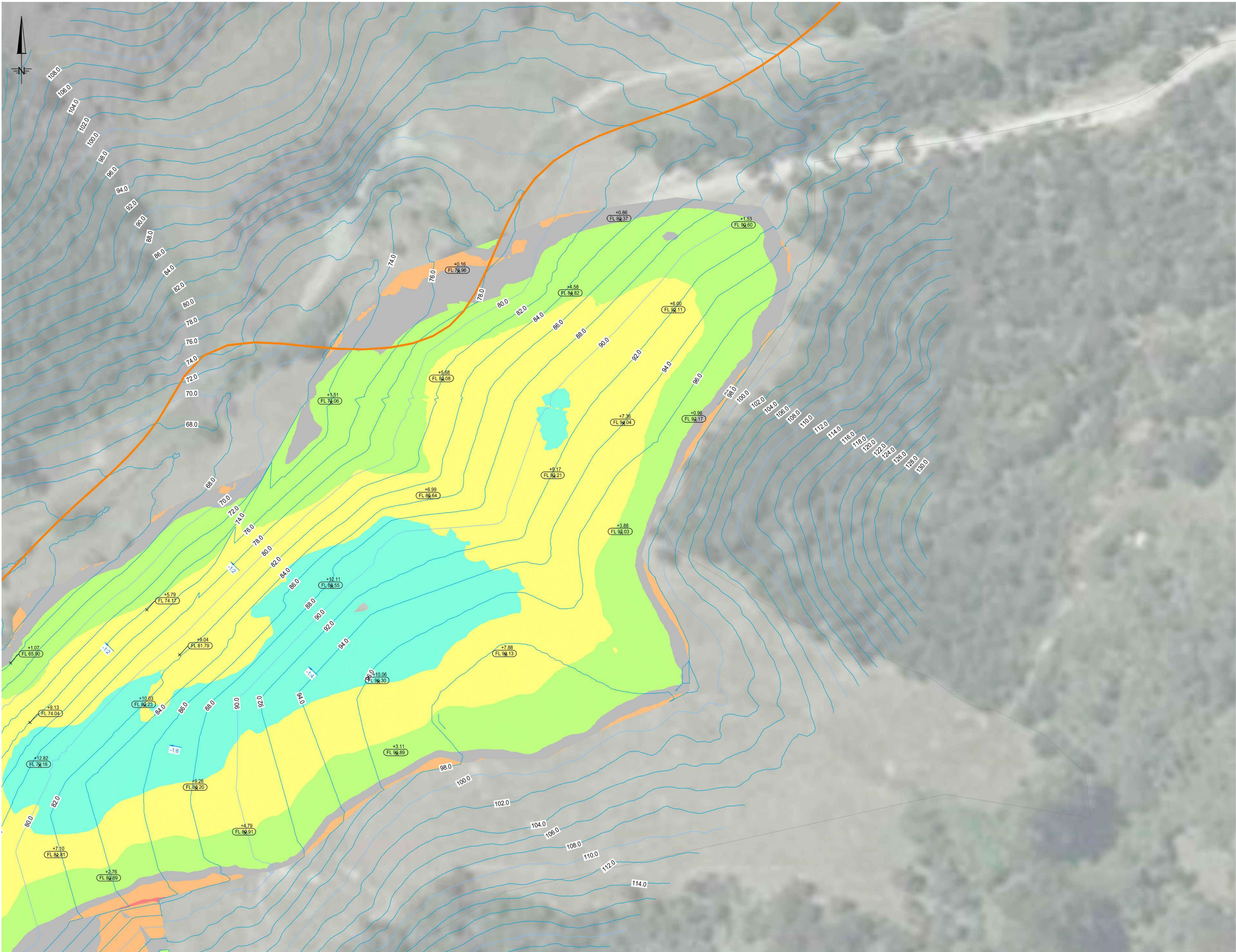
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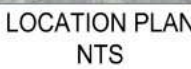
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CAD ref: \\chsvr\jobdata\projects\39s\39470 - Maitahi Development\Civil\39470.Drawing Set 1-Earthwork



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**LEGEND:**

- |   |  |
|---|--|
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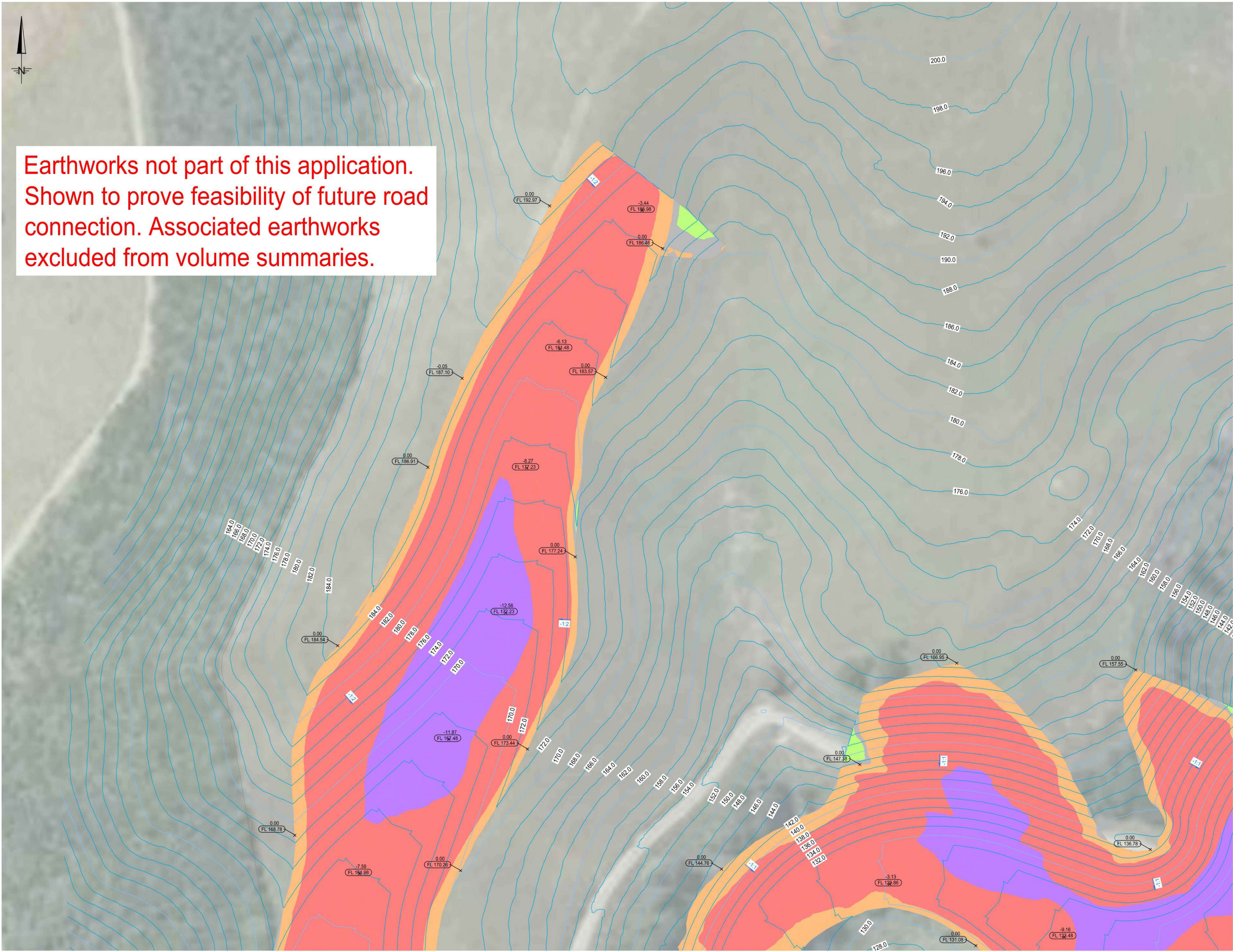
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<b>Overall Earthworks :</b>	
<small>(Excluding Future road)</small>	
<b>Area:</b>	<b>376,980 m<sup>2</sup></b>
<b>Cut Volume:</b>	<b>601,830 m<sup>3</sup></b>
<b>Fill Volume:</b>	<b>666,720 m<sup>3</sup></b>
<b>Net (Surplus)*</b>	<b>64,900 m<sup>3</sup></b>

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

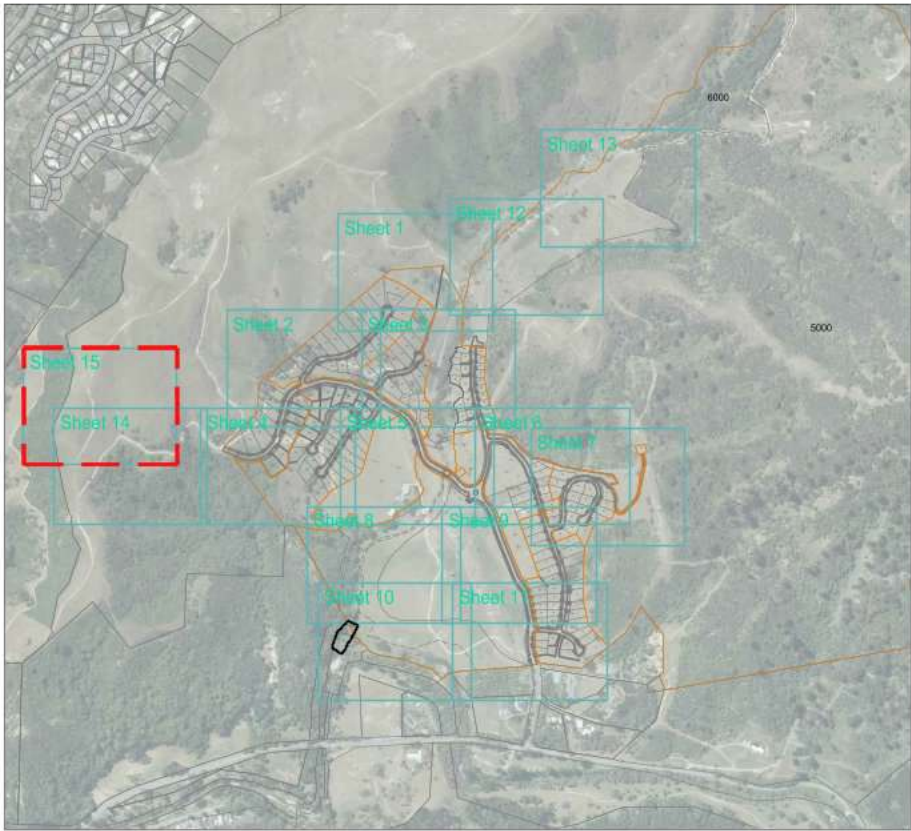




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- Construction Stage Boundary
- Proposed Contour (2 m intervals)
- Existing Surface Level
- Proposed Finished Surface Level
- Proposed Cut ( - ) or Fill ( + ) Level
- Proposed Slope

Surface Analysis: Elevation Ranges				
Number	Color	Minimum Elevation (m)	Maximum Elevation (m)	2D Area (m²)
1		-19.856	-10.000	15063.9
2		-10.000	-2.000	109063.7
3		-2.000	0.000	74592.4
4		0.000	1.000	38911.2
5		1.000	5.000	111869.4
6		5.000	10.000	32165.2
7		10.000	14.600	1999.7

Overall Earthworks:

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 the site.