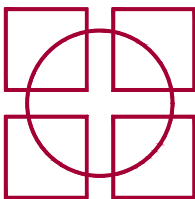


FORMER TOKANUI HOSPITAL

DEMOLITION AND REMEDIATION PROJECT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND



Fraser  
Thomas

33097

FOR TENDER

ISSUE SET 6

20/08/25

LIST OF DRAWINGS

| DRAWING     | DRAWING TITLE                                                                  | ISSUE SET |   |   |   |   |   |   |
|-------------|--------------------------------------------------------------------------------|-----------|---|---|---|---|---|---|
|             |                                                                                |           | 1 | 2 | 3 | 4 | 5 | 6 |
| 33097/LF001 | EXISTING LANDFILL OVERVIEW PLAN                                                |           | - | - | - | A | A | A |
| 33097/LF002 | INTRUSIVE GROUND INVESTIGATION TEST PIT LOCATION PLAN 1 OF 3                   |           | - | - | - | A | A | A |
| 33097/LF003 | INTRUSIVE GROUND INVESTIGATION TEST PIT LOCATION PLAN 2 OF 3                   |           | - | - | - | A | A | A |
| 33097/LF004 | INTRUSIVE GROUND INVESTIGATION TEST PIT LOCATION PLAN 3 OF 3                   |           | - | - | - | A | A | A |
| 33097/LF010 | PROPOSED LANDFILL REMEDIAL WORKS SITE OVERVIEW PLAN                            |           | - | - | A | B | B | C |
| 33097/LF100 | EXISTING LANDFILL AREAS D, E AND F PLAN                                        |           | - | - | - | A | A | A |
| 33097/LF110 | PROPOSED NORTHERN DISPOSAL SITE CELL PROPOSED FINAL DESIGN PLAN                |           | - | - | - | A | A | A |
| 33097/LF120 | PROPOSED NORTHERN DISPOSAL SITE CELL BASE OF CELL LEVELS PLAN                  |           | - | - | - | A | A | A |
| 33097/LF121 | PROPOSED NORTHERN DISPOSAL SITE CELL FINISHED GROUND LEVELS PLAN               |           | - | - | - | A | A | A |
| 33097/LF130 | PROPOSED NORTHERN DISPOSAL SITE CELL CROSS SECTIONS                            |           | - | - | - | A | A | A |
| 33097/LF140 | PROPOSED NORTHERN DISPOSAL SITE CELL CELL FORMATION CUT AND FILL PLAN          |           | - | - | - | A | A | A |
| 33097/LF141 | PROPOSED NORTHERN DISPOSAL SITE CELL FILLING PLAN                              |           | - | - | - | A | A | A |
| 33097/LF190 | PROPOSED NORTHERN DISPOSAL SITE CELL EROSION AND SEDIMENT CONTROL PLAN PHASE 1 |           | - | - | - | A | A | A |
| 33097/LF191 | PROPOSED NORTHERN DISPOSAL SITE CELL EROSION AND SEDIMENT CONTROL PLAN PHASE 2 |           | - | - | - | A | A | A |
| 33097/LF200 | EXISTING LANDFILL AREAS A1, B, AND C PLAN                                      |           | - | - | - | A | A | A |
| 33097/LF210 | PROPOSED SOUTHERN DISPOSAL SITE CELL PROPOSED FINAL DESIGN PLAN                |           | - | - | A | B | B | B |
| 33097/LF219 | PROPOSED SOUTHERN DISPOSAL SITE CELL PROPOSED TOE BUND PLAN                    |           | - | - | - | A | A | A |
| 33097/LF220 | PROPOSED SOUTHERN DISPOSAL SITE CELL BASE OF CELL LEVELS PLAN                  |           | - | - | A | B | B | B |
| 33097/LF221 | PROPOSED SOUTHERN DISPOSAL SITE CELL FINISHED GROUND LEVELS PLAN               |           | - | - | A | B | B | B |
| 33097/LF230 | PROPOSED SOUTHERN DISPOSAL SITE CELL CROSS SECTIONS SHEET 1                    |           | - | - | A | B | B | B |
| 33097/LF231 | PROPOSED SOUTHERN DISPOSAL SITE CELL CROSS SECTIONS SHEET 2                    |           | - | - | - | A | A | A |
| 33097/LF238 | PROPOSED SOUTHERN DISPOSAL SITE CELL REFUSE EXCAVATION PLAN                    |           | - | - | - | A | A | A |
| 33097/LF239 | PROPOSED SOUTHERN DISPOSAL SITE CELL TOE BUND CONSTRUCTION PLAN                |           | - | - | - | A | A | A |

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|-------------|--------------------------------------------------------------------------------|---|---|---|---|---|---|
| 33097/LF240 | PROPOSED SOUTHERN DISPOSAL SITE CELL CELL FORMATION CUT AND FILL PLAN          | - | - | A | B | B | B |
| 33097/LF241 | PROPOSED SOUTHERN DISPOSAL SITE CELL REFUSE FILLING PLAN                       | - | - | A | B | B | B |
| 33097/LF250 | PROPOSED SOUTHERN DISPOSAL SITE CELL GROUNDWATER DRAIN LONG SECTION AND DETAIL | - | - | A | B | B | B |
| 33097/LF289 | PROPOSED SOUTHERN DISPOSAL SITE CELL EROSION AND SEDIMENT CONTROL PLAN PHASE 0 | - | - | - | A | A | A |
| 33097/LF290 | PROPOSED SOUTHERN DISPOSAL SITE CELL EROSION AND SEDIMENT CONTROL PLAN PHASE 1 | - | - | A | B | B | B |
| 33097/LF291 | PROPOSED SOUTHERN DISPOSAL SITE CELL EROSION AND SEDIMENT CONTROL PLAN PHASE 2 | - | - | A | B | B | B |
| 33097/LF300 | EXISTING LANDFILL AREAS A2 AND AREA H, AND EXISTING CULVERT 3 PLAN             | - | - | - | A | A | A |
| 33097/LF310 | AREAS A2/H & CULVERT 3 PROPOSED FINAL DESIGN PLAN                              | - | A | A | B | C | D |
| 33097/LF311 | INDICATIVE VEGETATION REMOVAL PLAN                                             | - | - | - | A | A | A |
| 33097/LF312 | INDICATIVE STREAM CONSTRUCTION PLAN 1                                          | - | - | - | - | - | A |
| 33097/LF313 | INDICATIVE STREAM CONSTRUCTION PLAN 2                                          | - | - | - | - | - | A |
| 33097/LF320 | AREAS A2/H & CULVERT 3 REFUSE UNDERCUT PLAN                                    | - | - | - | A | A | A |
| 33097/LF321 | AREAS A2/H & CULVERT 3 FINISHED LEVELS PLAN                                    | - | - | - | A | A | B |
| 33097/LF330 | AREAS A2/H & CULVERT 3 CROSS SECTION PLAN 1                                    | - | - | - | A | A | A |
| 33097/LF331 | AREAS A2/H & CULVERT 3 CROSS SECTION PLAN 2                                    | - | - | - | - | - | A |
| 33097/LF340 | AREAS A2/H & CULVERT 3 UNDERCUT STRIP PLAN                                     | - | - | - | A | A | A |
| 33097/LF341 | AREAS A2/H & CULVERT 3 FINAL LEVELS CUT AND FILL PLAN                          | - | - | - | A | A | A |
| 33097/LF360 | AREAS A2/H & CULVERT 3 CULVERT LONG SECTION PLAN                               | - | A | A | B | C | D |
| 33097/LF361 | AREAS A2/H & CULVERT 3 CULVERT INLET DETAIL                                    | - | - | - | - | - | A |
| 33097/LF362 | AREAS A2/H & CULVERT 3 CULVERT OUTLET DETAIL                                   | - | - | - | - | - | - |
| 33097/LF390 | AREAS A2/H & CULVERT 3 EROSION AND SEDIMENT CONTROL PLAN                       | - | A | A | B | B | C |
| 33097/LF500 | PROPOSED LANDFILL CELL TYPICAL DETAIL                                          | - | - | - | A | A | A |
| 33097/LF540 | DECANTING EARTH BUND DIMENSIONS PLAN                                           | - | - | - | - | - | - |
| 33097/LF545 | DECANTING EARTH BUND DETAILS                                                   | - | - | - | - | - | - |
| 33097/LF550 | EROSION AND SEDIMENT CONTROL DETAILS PAGE 1                                    | - | - | - | A | A | A |
| 33097/LF551 | EROSION AND SEDIMENT CONTROL DETAILS PAGE 2                                    | - | - | - | A | A | A |



Legend

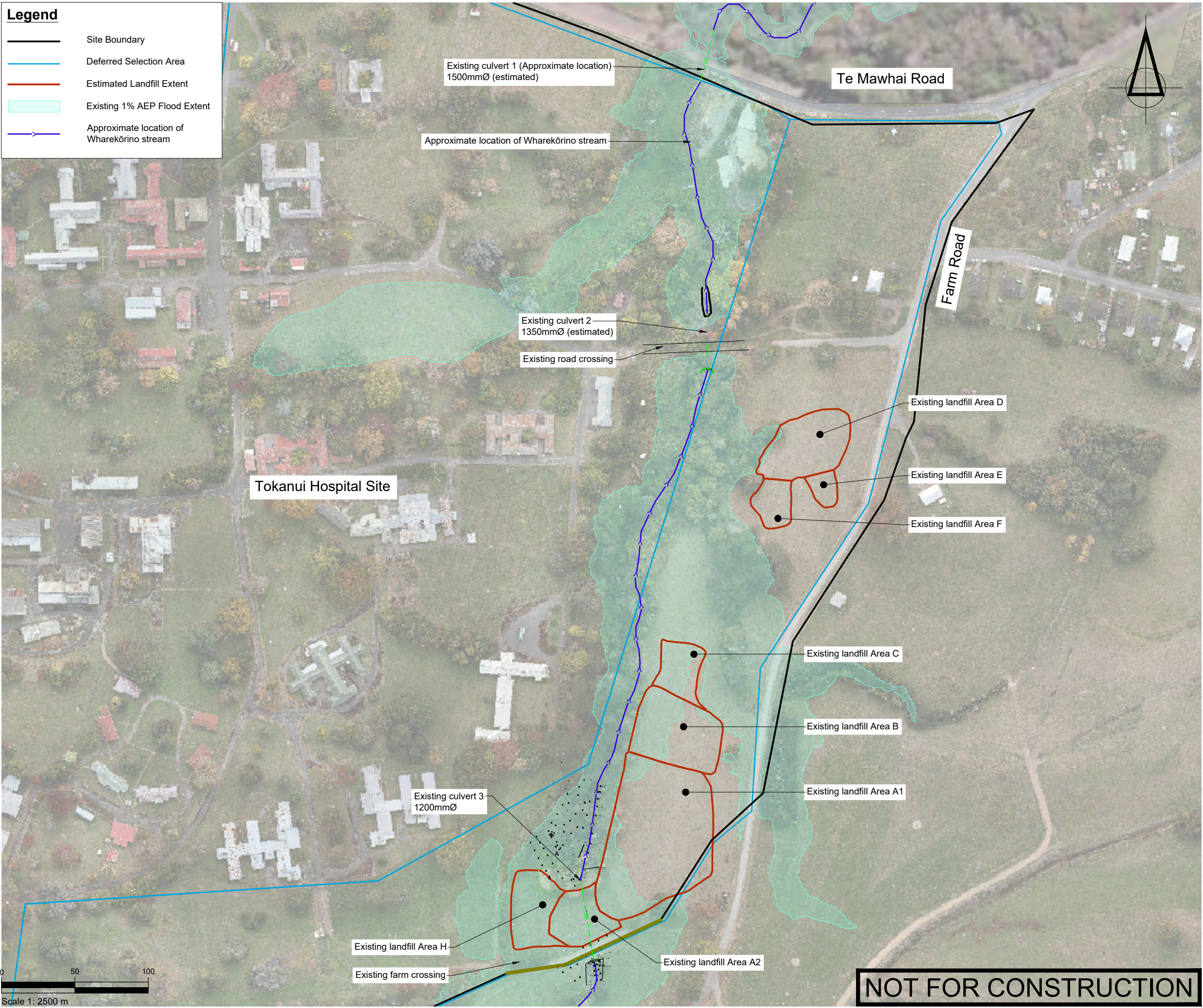
Site Boundary

Deferred Selection Area

Estimated Landfill Extent

Existing 1% AEP Flood Extent

Approximate location of Wharekōrino stream



|          |                           |          |                                |         |          |
|----------|---------------------------|----------|--------------------------------|---------|----------|
| SURVEYED |                           |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                        | 14/08/24 |                                |         |          |
| DRAWN    | TB                        | 15/08/24 |                                |         |          |
| CHECKED  | SF                        | 05/11/24 |                                |         |          |
| REVISION | CHANGES                   |          |                                | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |                                | SF      | 23/05/25 |
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NOTES

PROJECT DATUMS:

LEVEL: New Zealand Vertical Datum 2016

COORDINATE: New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

EXISTING LANDFILL OVERVIEW  
PLAN

Fraser  
Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

AUCKLAND 09 278 7078

HAWKE'S BAY 06 211 2766

CHRISTCHURCH 03 358 5936

BLenheim 03 428 3292

NELSON 03 222 1132

TAURANGA 07 220 9277

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STATUS

FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:2500 (A3)

DRAWING No 33097/LF001

REVISION A

NOT FOR CONSTRUCTION



Legend

Site Boundary

Deferred Selection Area

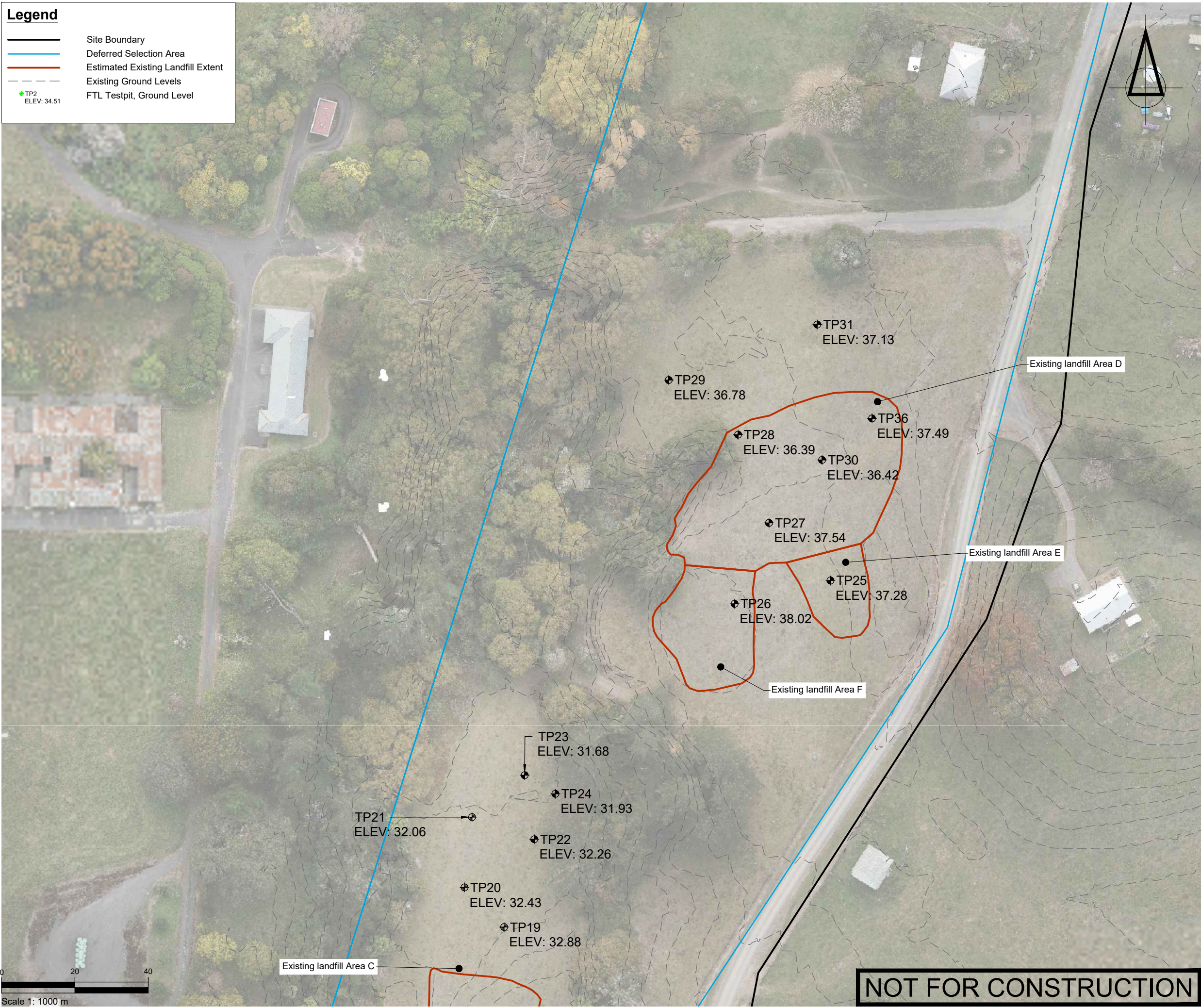
Estimated Existing Landfill Extent

Existing Ground Levels

TP2

ELEV: 34.51

FTL Testpit, Ground Level



|          |                           |          |                                |         |          |
|----------|---------------------------|----------|--------------------------------|---------|----------|
| SURVEYED |                           |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                        | 14/08/24 |                                |         |          |
| DRAWN    | TB                        | 15/08/24 |                                |         |          |
| CHECKED  | SF                        | 05/11/24 |                                |         |          |
| REVISION | CHANGES                   |          |                                | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |                                | SF      | 23/05/25 |
|          |                           |          |                                |         |          |
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NOTES

**PROJECT DATUMS:**  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
INTRUSIVE GROUND  
INVESTIGATION TEST PIT  
LOCATION PLAN 1 OF 3

Fraser  
Thomas

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AUCKLAND

HAWKE'S BAY

CHRISTCHURCH

BLenheim

NELSON

TAURANGA

09 278 7078

06 211 2766

03 358 5936

03 428 3292

03 222 1132

07 220 9277

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STATUS

FOR RESOURCE CONSENT

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SCALE

1:1000

(A3)

DRAWING No

33097/LF002

REVISION

A



Legend

Site Boundary

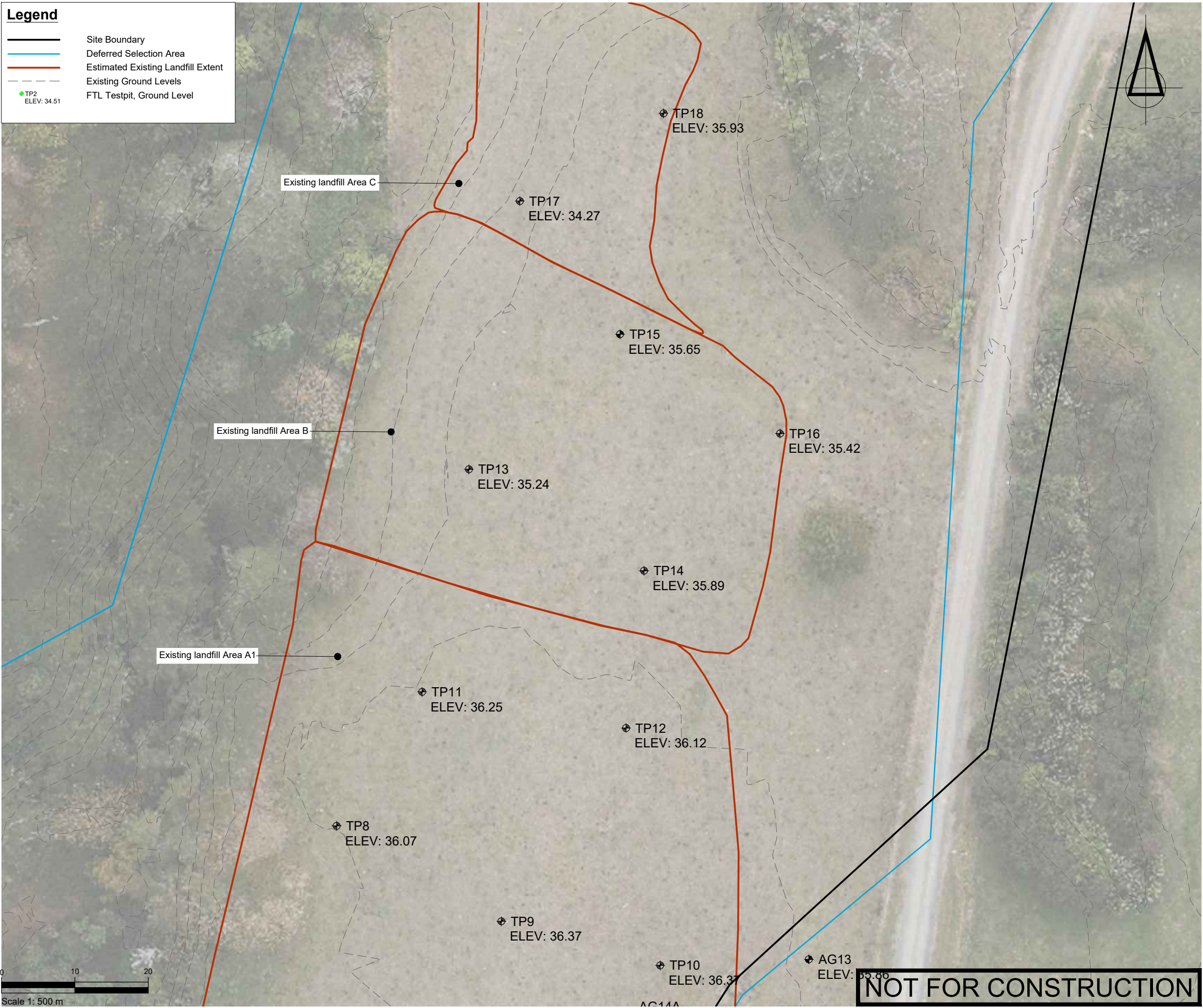
Deferred Selection Area

Estimated Existing Landfill Extent

Existing Ground Levels

TP2  
ELEV: 34.51

FTL Testpit, Ground Level



|          |                           |          |                                |         |          |
|----------|---------------------------|----------|--------------------------------|---------|----------|
| SURVEYED |                           |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                        | 14/08/24 |                                |         |          |
| DRAWN    | TB                        | 15/08/24 |                                |         |          |
| CHECKED  | SF                        | 05/11/24 |                                |         |          |
| REVISION | CHANGES                   |          |                                | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |                                | SF      | 23/05/25 |
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NOTES

PROJECT DATUMS:

LEVEL: New Zealand Vertical Datum 2016

COORDINATE: New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

INTRUSIVE GROUND  
INVESTIGATION TEST PIT  
LOCATION PLAN 2 OF 3

Fraser  
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SCALE 1:500 (A3)

DRAWING No 33097/LF003

REVISION A



Legend

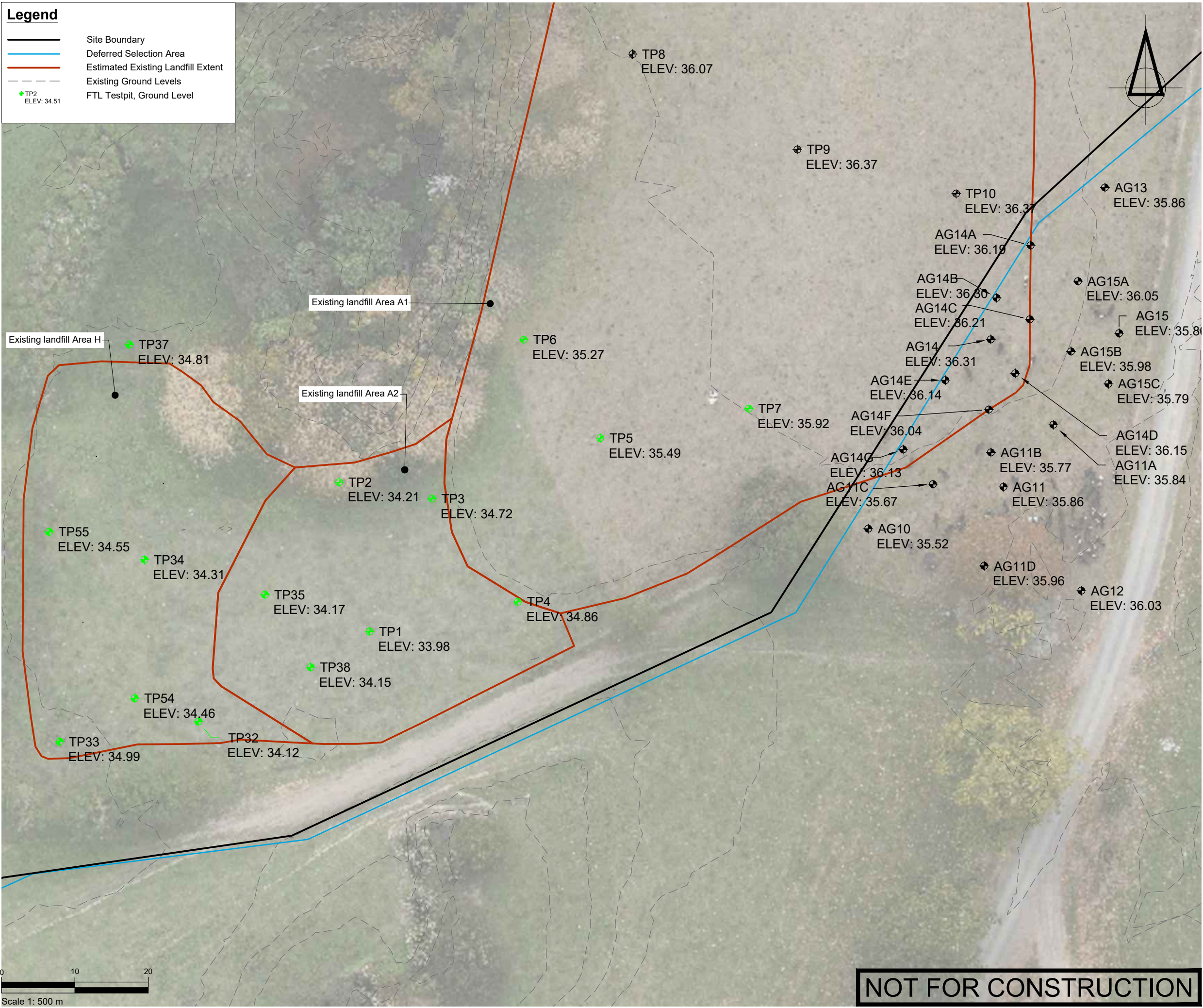
Site Boundary

Deferred Selection Area

Estimated Existing Landfill Extent

Existing Ground Levels

FTL Testpit, Ground Level



|          |                           |          |                                |         |          |
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| SURVEYED |                           |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                        | 14/08/24 |                                |         |          |
| DRAWN    | TB                        | 15/08/24 |                                |         |          |
| CHECKED  | SF                        | 05/11/24 |                                |         |          |
| REVISION | CHANGES                   |          |                                | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |                                | SF      | 23/05/25 |
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NOTES

PROJECT DATUMS:  
LEVEL: ..... New Zealand Vertical Datum 2016  
COORDINATE: ..... New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

INTRUSIVE GROUND  
INVESTIGATION TEST PIT  
LOCATION PLAN 3 OF 3

Fraser  
Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

AUCKLAND ..... 09 278 7078  
HAWKE'S BAY ..... 06 211 2766  
CHRISTCHURCH ..... 03 358 5936  
BLENHEIM ..... 03 428 3292  
NELSON ..... 03 222 1132  
TAURANGA ..... 07 220 9277

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STATUS

FOR RESOURCE CONSENT

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SCALE 1:500 (A3)

DRAWING No 33097/LF004 REVISION A

NOT FOR CONSTRUCTION

P:\33 series\33097\03 Drawings\33097-LF002 - LF004.dwg, ygoth, 20/8/2025 3:57 pm



Legend

Site Boundary

Deferred Selection Area

Estimated Existing Landfill Extent

Proposed Ground Levels

Existing Ground Levels

Proposed 1% AEP Flood Extent

Proposed Grass

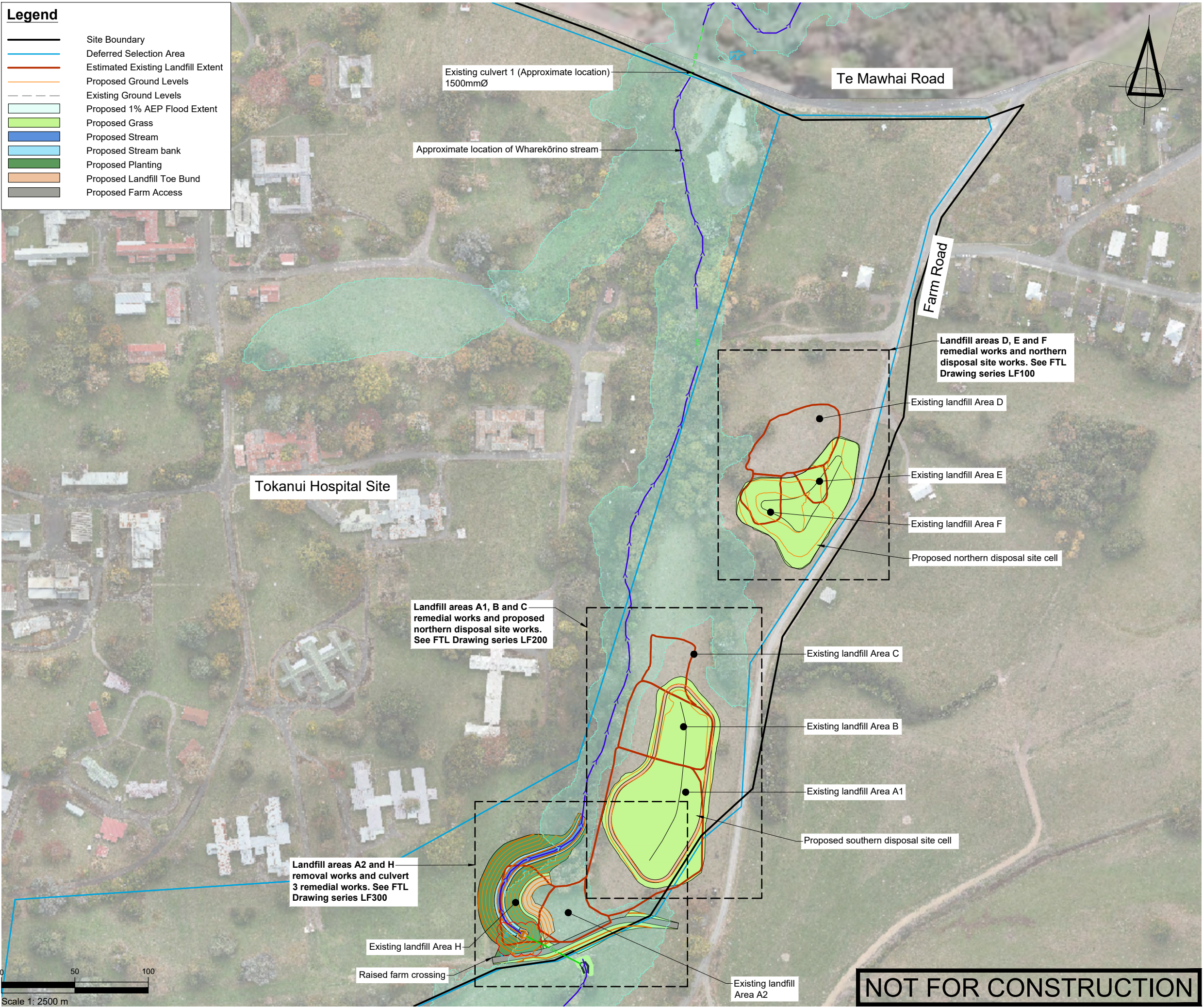
Proposed Stream

Proposed Stream bank

Proposed Planting

Proposed Landfill Toe Bund

Proposed Farm Access



050100

Scale 1: 2500 m

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|----------|-------------------------|----------|--------------------------------|---------|----------|
| SURVEYED |                         |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                      | 14/08/24 |                                |         |          |
| DRAWN    | TB                      | 15/08/24 |                                |         |          |
| CHECKED  | SF                      | 05/11/24 |                                |         |          |
| REVISION | CHANGES                 |          |                                | CHECKED | DATE     |
| A        | STH LF TOE BUND ADDED   |          |                                | SF      | 20/11/24 |
| B        | AREA A2/H REDESIGN      |          |                                | SF      | 23/05/25 |
| C        | CULVERT 3 OUTLET CHANGE |          |                                | SF      | 20/08/25 |
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NOTES

PROJECT DATUMS:

LEVEL: New Zealand Vertical Datum 2016

COORDINATE: New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED LANDFILL REMEDIAL  
WORKS SITE OVERVIEW PLAN

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STATUS

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SCALE 1:2500 (A3)

DRAWING No 33097/LF010

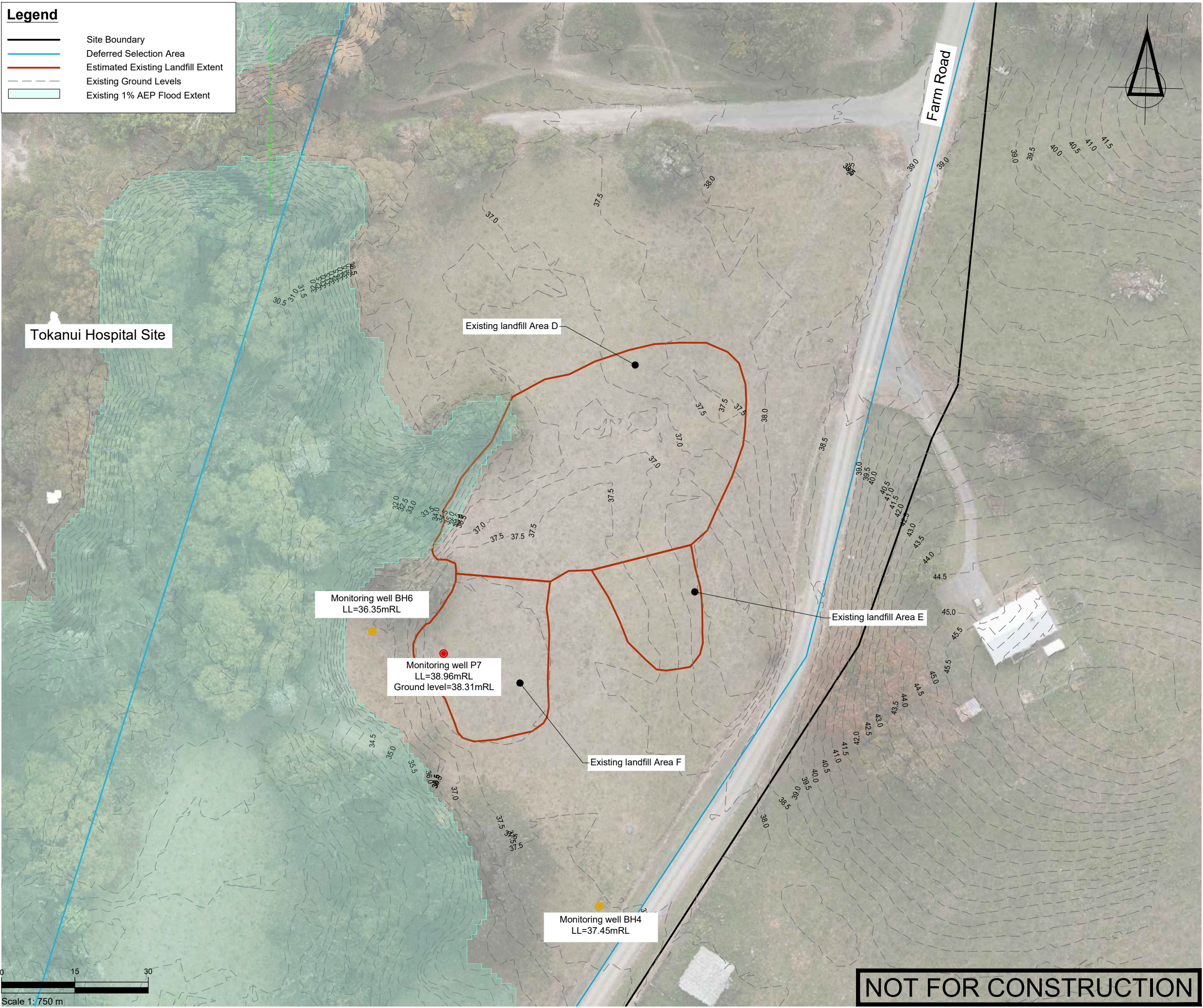
REVISION C

NOT FOR CONSTRUCTION



**Legend**

- Site Boundary
- Deferred Selection Area
- Estimated Existing Landfill Extent
- Existing Ground Levels
- Existing 1% AEP Flood Extent



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| SURVEYED |                           |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                        | 14/08/24 |                                |         |          |
| DRAWN    | TB                        | 15/08/24 |                                |         |          |
| CHECKED  | SF                        | 05/11/24 |                                |         |          |
| REVISION | CHANGES                   |          |                                | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |                                | SF      | 23/05/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
EXISTING LANDFILL AREAS D, E  
AND F PLAN

**Fraser Thomas**  
ENGINEERS • RESOURCE MANAGERS • SURVEYORS

|              |             |
|--------------|-------------|
| AUCKLAND     | 09 278 7078 |
| HAWKE'S BAY  | 06 211 2766 |
| CHRISTCHURCH | 03 358 5936 |
| BLENHEIM     | 03 428 3292 |
| NELSON       | 03 222 1132 |
| TAURANGA     | 07 220 9277 |

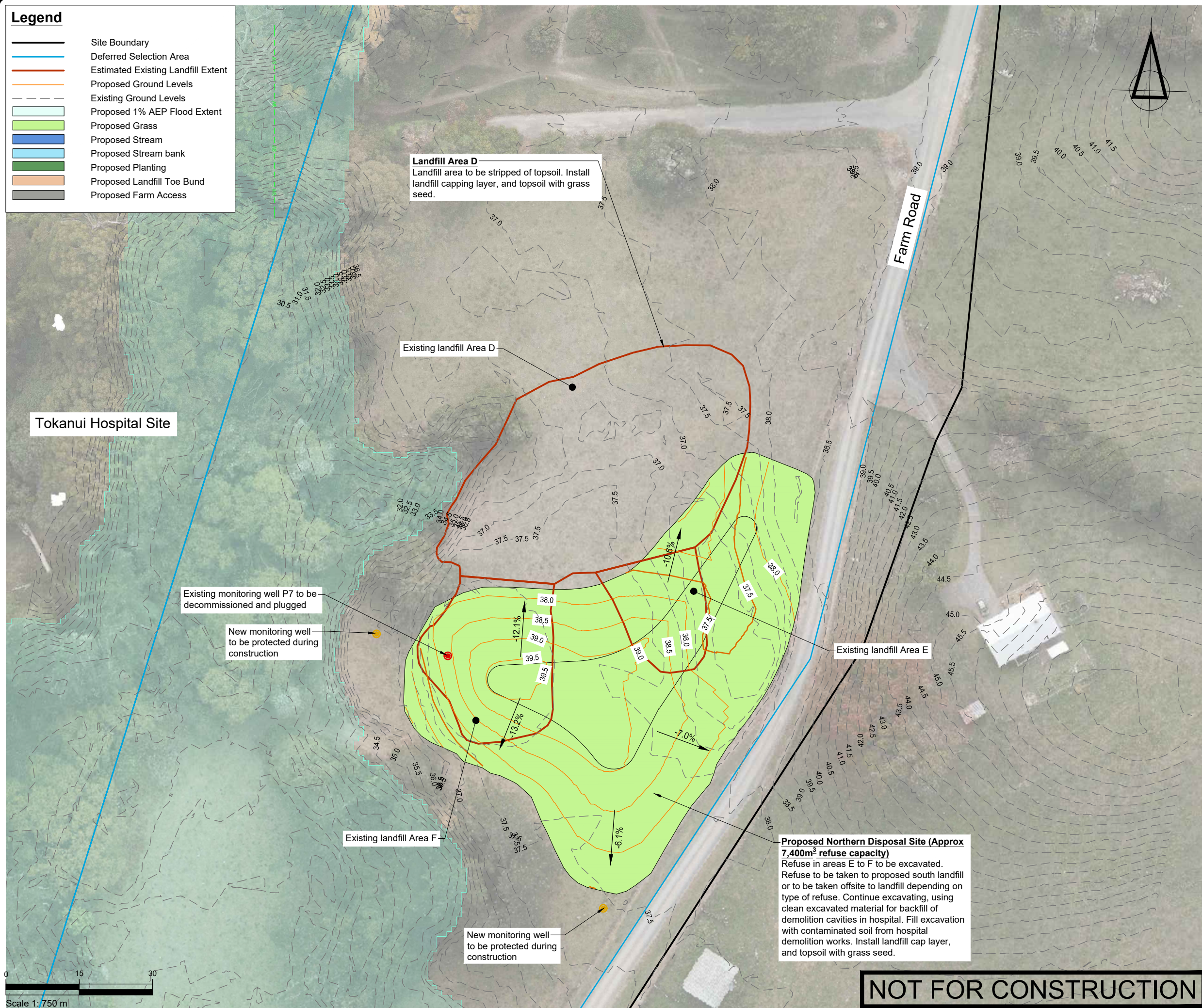
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STATUS  
**FOR RESOURCE CONSENT**  
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

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| SCALE      | 1:750       | (A3)     |
| DRAWING No | 33097/LF100 | REVISION |
|            |             | A        |



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NOTES

**PROJECT DATUMS:**  
 LEVEL: New Zealand Vertical Datum 2016  
 COORDINATE: New Zealand Transverse Mercator

# TOITU TE WHENUA LAND INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED NORTHERN  
DISPOSAL SITE CELL  
PROPOSED FINAL DESIGN PLAN



# Fraser Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

|              |             |
|--------------|-------------|
| AUCKLAND     | 09 278 7078 |
| HAWKE'S BAY  | 06 211 2766 |
| CHRISTCHURCH | 03 358 5936 |
| BLenheim     | 03 428 3292 |
| NELSON       | 03 222 1132 |
| TAURANGA     | 07 220 9277 |

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| STATUS      | <h2 style="margin: 0;">FOR RESOURCE CONSENT</h2> <p style="margin: 10px 0;">Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.</p> |
| SCALE       | 1:750 <span style="float: right;">(A3)</span>                                                                                                                                                                                                          |
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Legend

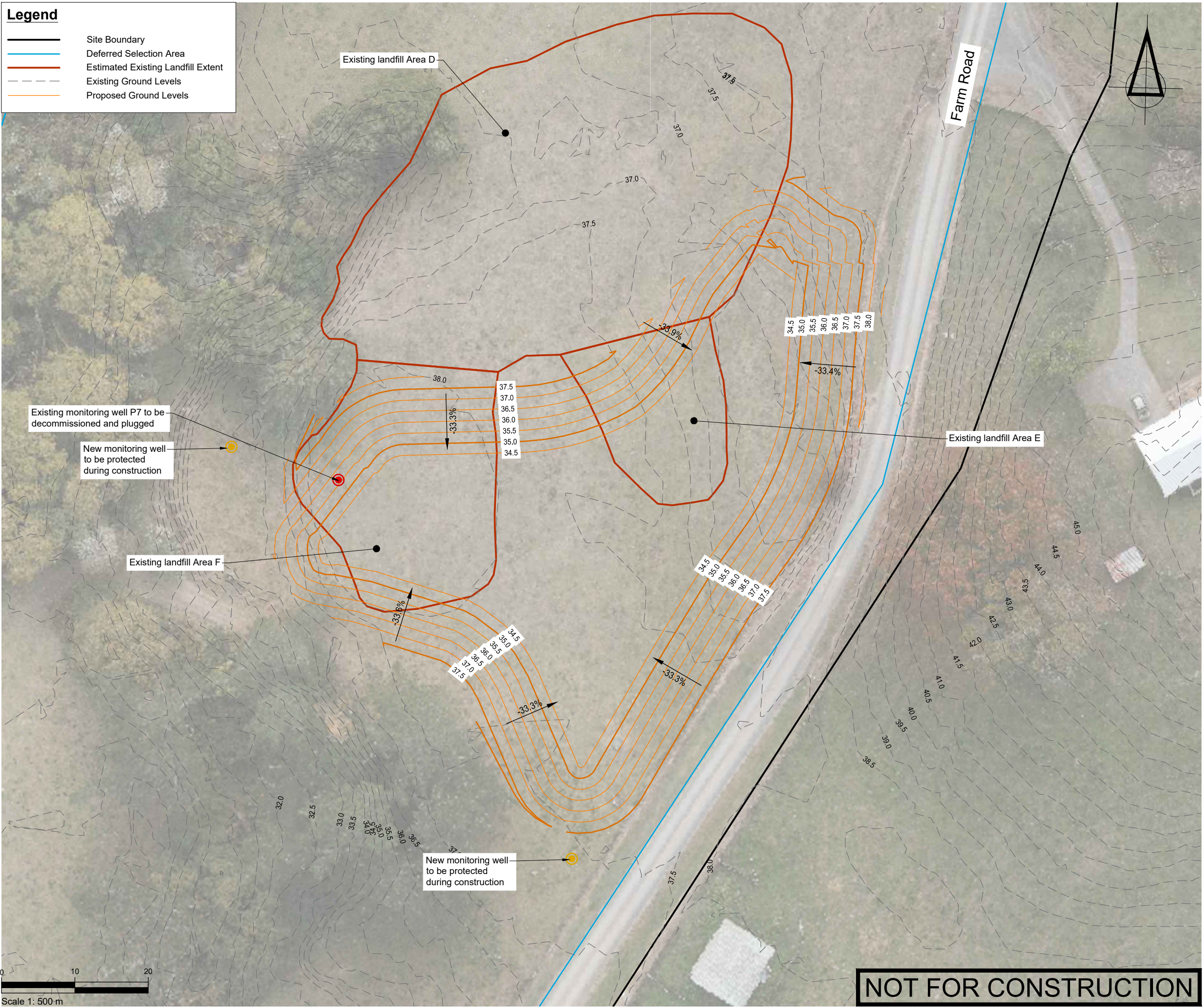
Site Boundary

Deferred Selection Area

Estimated Existing Landfill Extent

Existing Ground Levels

Proposed Ground Levels



|          |                           |          |                                |         |          |
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| SURVEYED |                           |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                        | 14/08/24 |                                |         |          |
| DRAWN    | TB                        | 21/08/24 |                                |         |          |
| CHECKED  | SF                        | 05/11/24 |                                |         |          |
| REVISION | CHANGES                   |          |                                | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |                                | SF      | 23/05/25 |
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NOTES

PROJECT DATUMS:  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED NORTHERN  
DISPOSAL SITE CELL  
BASE OF CELL LEVELS PLAN

Fraser  
Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

AUCKLAND 09 278 7078  
HAWKE'S BAY 06 211 2766  
CHRISTCHURCH 03 358 5936  
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NELSON 03 222 1132  
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STATUS

FOR RESOURCE CONSENT

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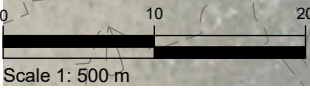
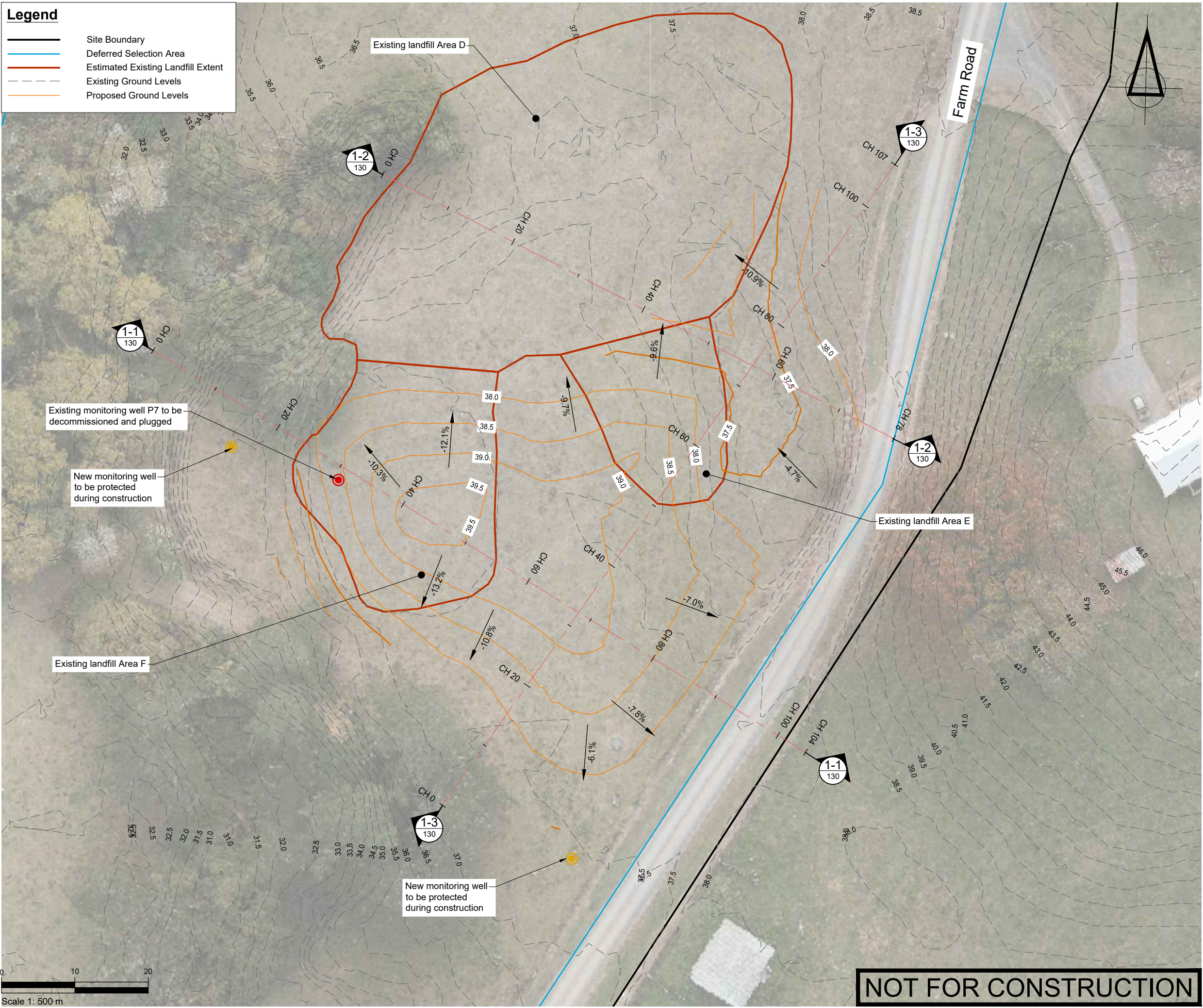
SCALE 1:500 (A3)

DRAWING No 33097/LF120 REVISION A



**Legend**

- Site Boundary
- Deferred Selection Area
- Estimated Existing Landfill Extent
- Existing Ground Levels
- Proposed Ground Levels



|          |                           |          |          |         |          |
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| SURVEYED | TB                        | 14/08/24 | APPROVED | SF      | DATE     |
| DRAWN    | TB                        | 21/08/24 |          |         |          |
| CHECKED  | SF                        | 05/11/24 |          |         |          |
| REVISION | CHANGES                   |          |          | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |          | SF      | 23/05/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
PROPOSED NORTHERN  
DISPOSAL SITE CELL  
FINISHED GROUND LEVELS  
PLAN



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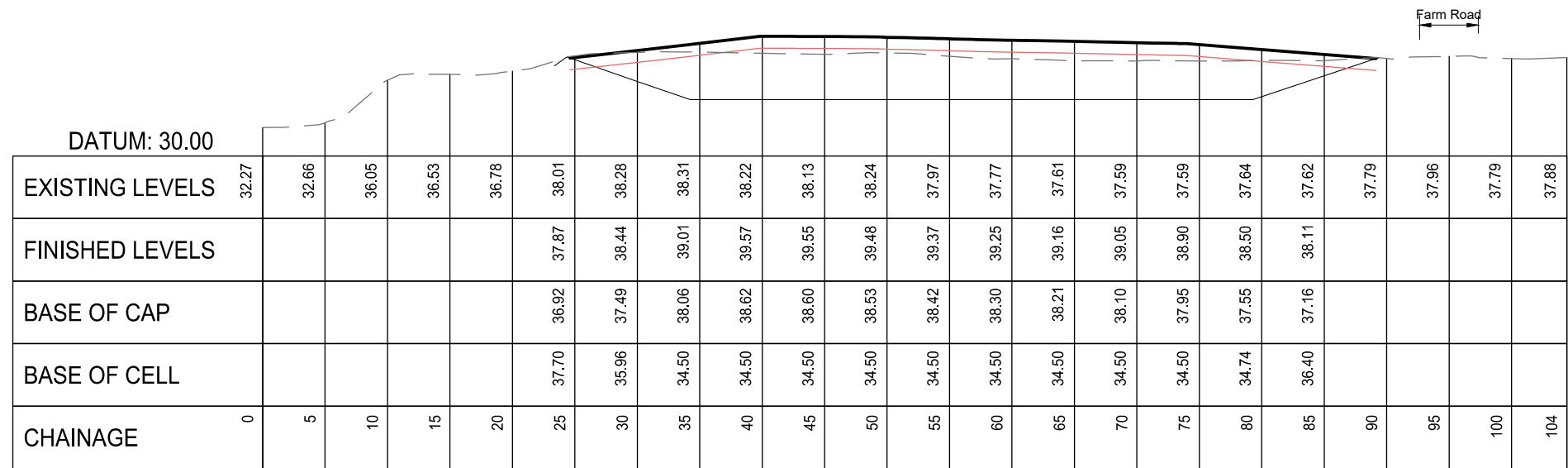
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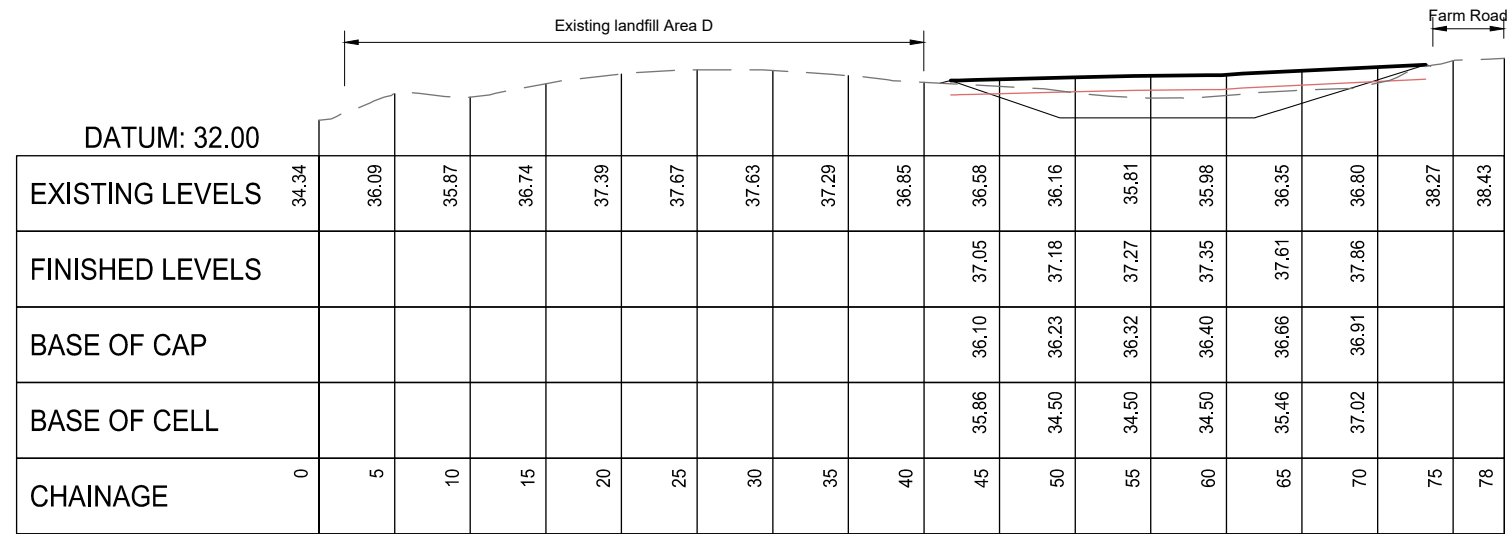
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| STATUS<br><b>FOR RESOURCE CONSENT</b><br>Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |            |
| SCALE 1:500                                                                                                                                                                                                     | (A3)       |
| DRAWING No 33097/LF121                                                                                                                                                                                          | REVISION A |



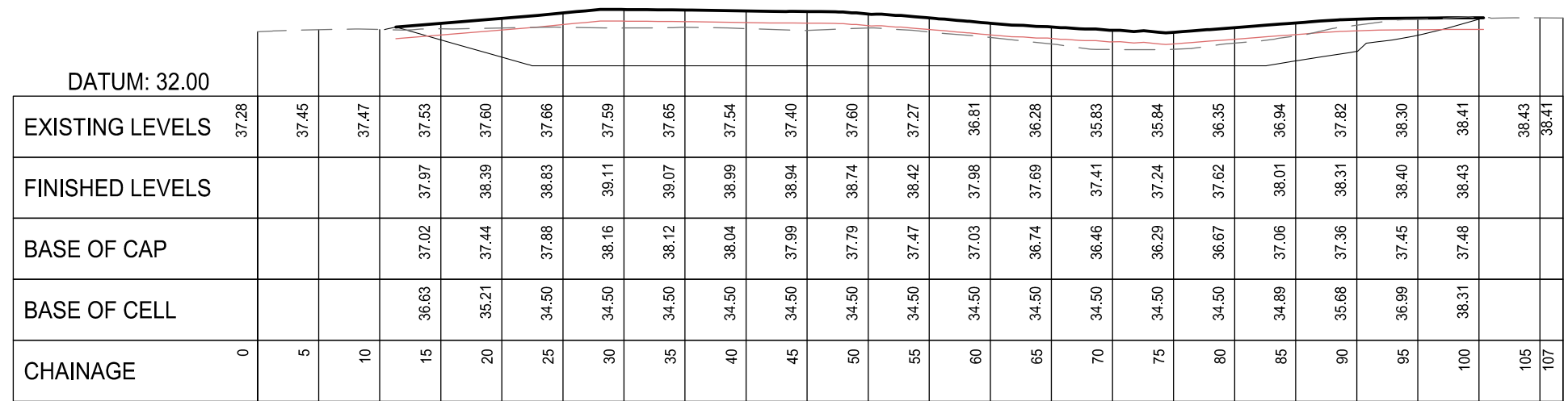
 Existing Ground  
 Finished Ground  
 Proposed Cap  
 Proposed Cell Base



**1-1 Cross Section 1-1**  
121 1:500



1-2 Cross Section 1-2  
121 1:500



1-3 Cross Section 1-3  
121 1:500

NOT FOR CONSTRUCTION

[illegible]

NOTES

**PROJECT DATUMS:**

LEVEL: New Zealand Vertical Datum 2016  
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TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

## PROPOSED NORTHERN DISPOSAL SITE CELL CROSS SECTIONS



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SCALE 1:500 (A3)

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| DRAWING No | REVISION |
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|-------------|---|
| 33097/LF130 | A |
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Legend

- Site Boundary
- Deferred Selection Area
- Estimated Existing Landfill Extent
- Existing Ground Levels
- Proposed Ground Levels

Elevations Table

| Number | Minimum Elevation | Maximum Elevation | Color  |
|--------|-------------------|-------------------|--------|
| 1      | -3.76             | -1.50             | Red    |
| 2      | -1.50             | -0.50             | Orange |
| 3      | -0.50             | 6.28              | Yellow |

Landfill Area D  
Landfill area to be stripped of topsoil. Install landfill capping layer, and topsoil with grass seed.

Existing landfill Area D

Existing landfill Area F

Farm Road

Existing landfill Area E

Estimated Earthworks Volumes

Northern Disposal Area:

Area = 4000m<sup>2</sup>

- Strip volumes:
  - Topsoil = 400m<sup>3</sup> (assumed 100mm topsoil)
  - Capping material area E = 132m<sup>3</sup>
  - Capping material area F = 280m<sup>3</sup>
  - Landfill material area F = 246m<sup>3</sup> (estimate offal pit volume)
- Total cut to fill of subgrade
  - Cut = 5900m<sup>3</sup>
  - Fill = 0m<sup>3</sup>
  - Balance = 5900m<sup>3</sup> cut

Existing Landfill Area D

Area = 2200m<sup>2</sup>

- Strip volumes:
  - Topsoil = 300m<sup>3</sup> (assumed 140mm topsoil)
  - Capping material area D = 0m<sup>3</sup> (minimal existing capping)
- Capping volume:
  - Clay or other suitable material = 1800m<sup>3</sup>
  - Topsoil = 330m<sup>3</sup>

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| SURVEYED | TB                        | 14/08/24 | APPROVED | SF      | DATE     |
| DESIGNED | TB                        | 21/08/24 |          |         |          |
| DRAWN    | TB                        | 05/11/24 |          |         |          |
| CHECKED  | SF                        |          |          |         |          |
| REVISION | CHANGES                   |          |          | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |          | SF      | 23/05/25 |
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NOTES

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FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

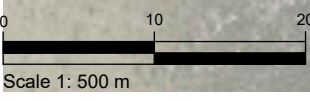
TITLE  
PROPOSED NORTHERN  
DISPOSAL SITE CELL  
CELL FORMATION CUT AND FILL  
PLAN

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SCALE 1:500 (A3)  
DRAWING No 33097/LF140 REVISION A

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Legend

Site Boundary

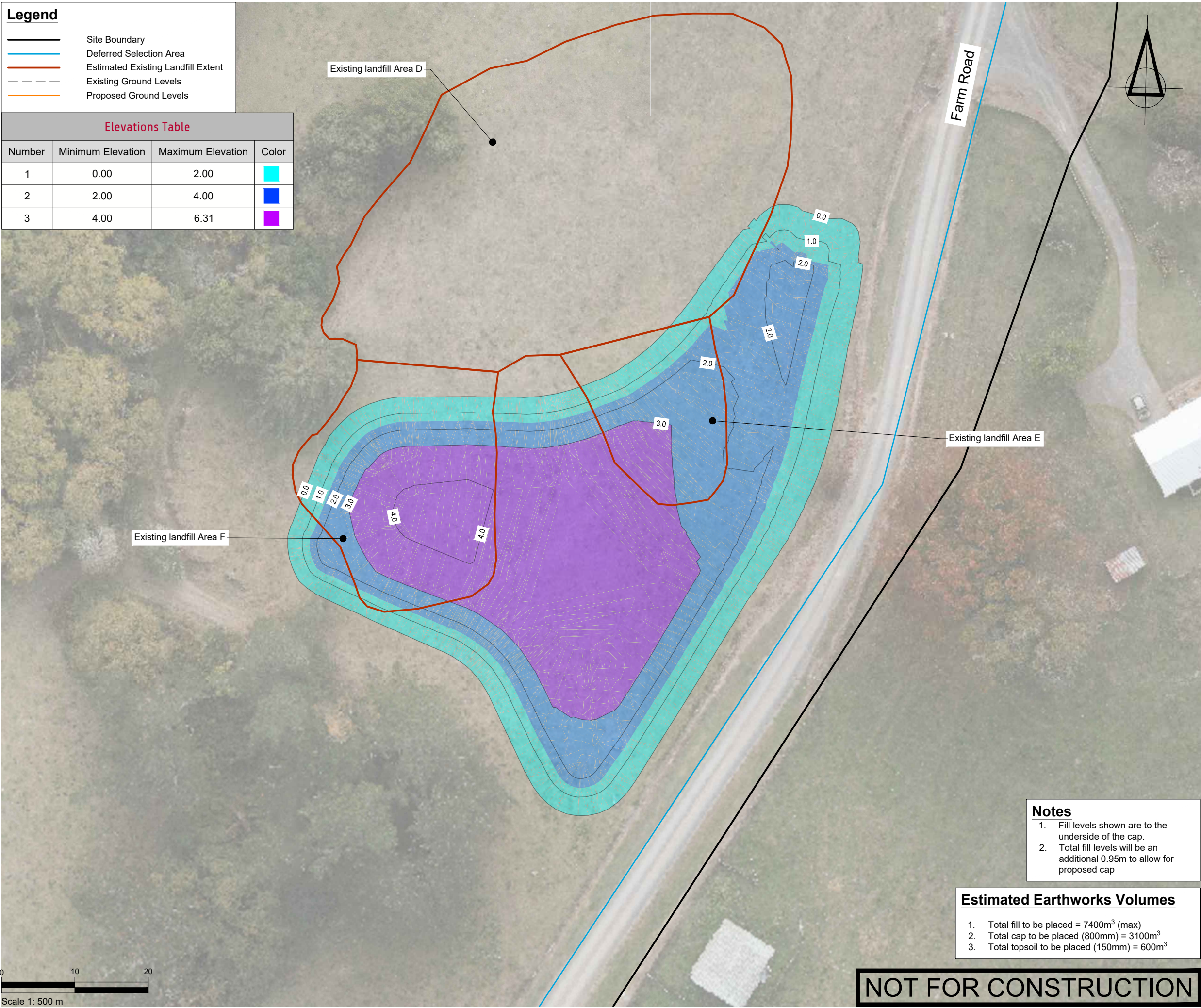
Deferred Selection Area

Estimated Existing Landfill Extent

Existing Ground Levels

Proposed Ground Levels

| Elevations Table |                   |                   |       |
|------------------|-------------------|-------------------|-------|
| Number           | Minimum Elevation | Maximum Elevation | Color |
| 1                | 0.00              | 2.00              |       |
| 2                | 2.00              | 4.00              |       |
| 3                | 4.00              | 6.31              |       |



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| SURVEYED |                           |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                        | 14/08/24 |                                |         |          |
| DRAWN    | TB                        | 21/08/24 |                                |         |          |
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| REVISION | CHANGES                   |          |                                | CHECKED | DATE     |
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NOTES

PROJECT DATUMS:  
LEVEL: ..... New Zealand Vertical Datum 2016  
COORDINATE: ..... New Zealand Transverse Mercator

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INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED NORTHERN  
DISPOSAL SITE CELL  
FILLING PLAN

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SCALE 1:500 (A3)

DRAWING No 33097/LF141 REVISION A

- Notes
1.

Fill levels shown are to the underside of the cap.
2.

Total fill levels will be an additional 0.95m to allow for proposed cap

- Estimated Earthworks Volumes
1.

Total fill to be placed = 7400m<sup>3</sup> (max)
2.

Total cap to be placed (800mm) = 3100m<sup>3</sup>
3.

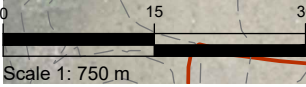
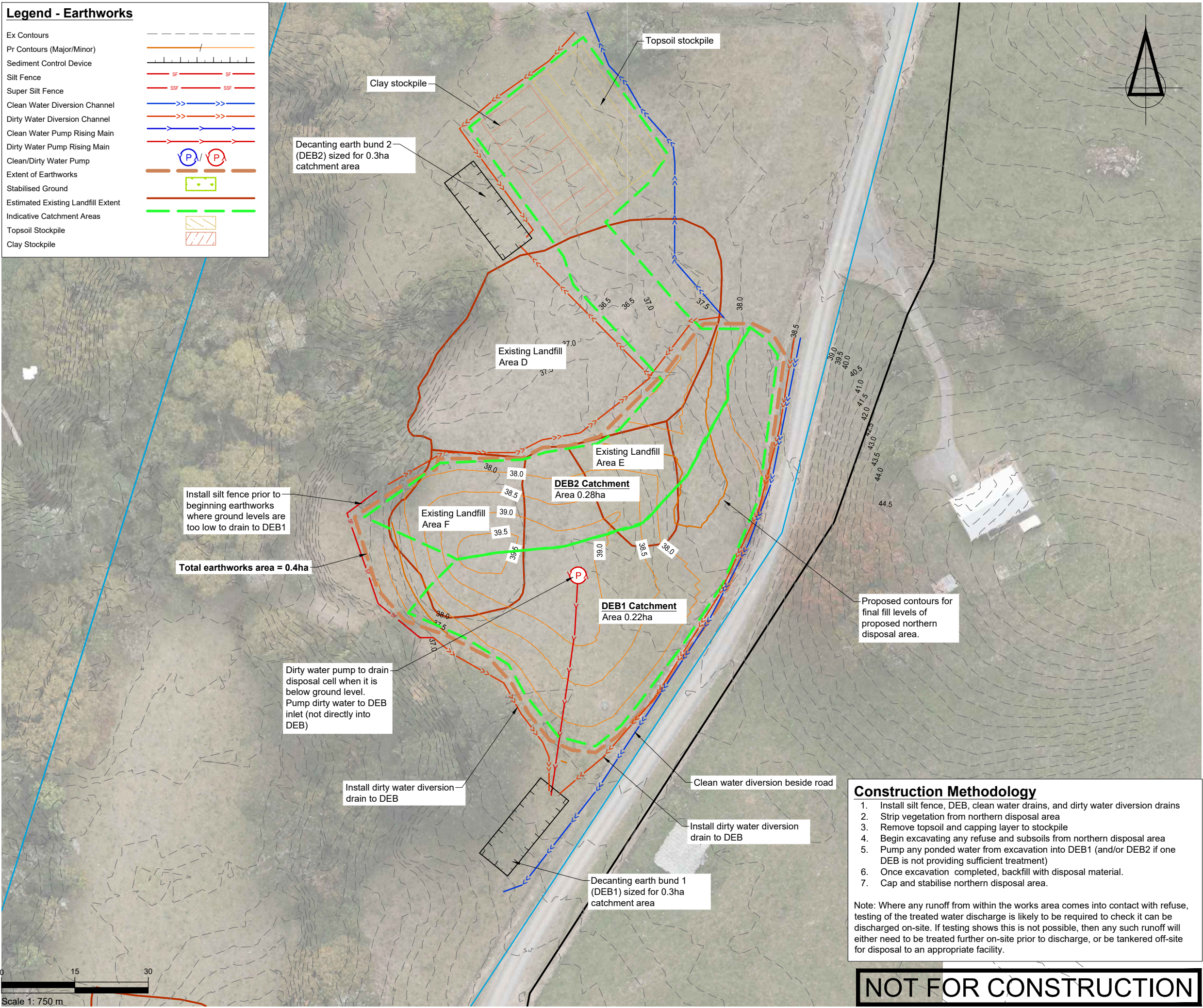
Total topsoil to be placed (150mm) = 600m<sup>3</sup>

NOT FOR CONSTRUCTION



Legend - Earthworks

|                                    |  |
|------------------------------------|--|
| Ex Contours                        |  |
| Pr Contours (Major/Minor)          |  |
| Sediment Control Device            |  |
| Silt Fence                         |  |
| Super Silt Fence                   |  |
| Clean Water Diversion Channel      |  |
| Dirty Water Diversion Channel      |  |
| Clean Water Pump Rising Main       |  |
| Dirty Water Pump Rising Main       |  |
| Clean/Dirty Water Pump             |  |
| Extent of Earthworks               |  |
| Stabilised Ground                  |  |
| Estimated Existing Landfill Extent |  |
| Indicative Catchment Areas         |  |
| Topsoil Stockpile                  |  |
| Clay Stockpile                     |  |



**Construction Methodology**

1. Install silt fence, DEB, clean water drains, and dirty water diversion drains
2. Strip vegetation from northern disposal area
3. Remove topsoil and capping layer to stockpile
4. Begin excavating any refuse and subsoils from northern disposal area
5. Pump any ponded water from excavation into DEB1 (and/or DEB2 if one DEB is not providing sufficient treatment)
6. Once excavation completed, backfill with disposal material.
7. Cap and stabilise northern disposal area.

Note: Where any runoff from within the works area comes into contact with refuse, testing of the treated water discharge is likely to be required to check it can be discharged on-site. If testing shows this is not possible, then any such runoff will either need to be treated further on-site prior to discharge, or be tankered off-site for disposal to an appropriate facility.

NOT FOR CONSTRUCTION

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|----------|---------------------------|----------|----------|----------|
| SURVEYED |                           |          | APPROVED | DATE     |
| DESIGNED | TB                        | 14/08/24 | SF       | 05/11/24 |
| DRAWN    | TB                        | 15/08/24 |          |          |
| CHECKED  | SF                        | 05/11/24 |          |          |
| REVISION | CHANGES                   |          | CHECKED  | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          | SF       | 23/05/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
PROPOSED NORTHERN  
DISPOSAL SITE CELL  
EROSION AND SEDIMENT  
CONTROL PLAN PHASE 1

**Fraser Thomas**

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|              |             |
|--------------|-------------|
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| NELSON       | 03 222 1132 |
| TAURANGA     | 07 220 9277 |

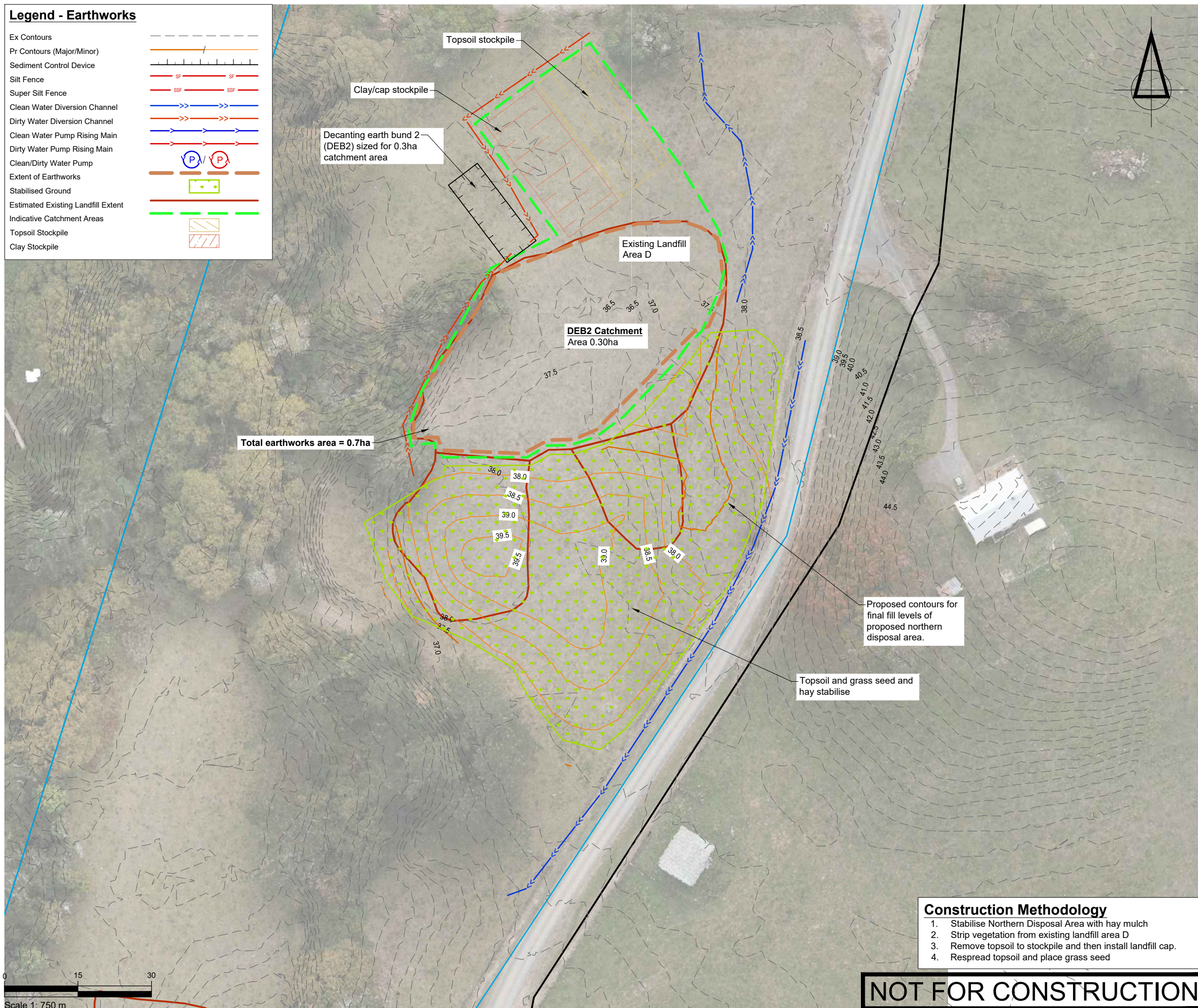
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|                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| STATUS                                                                                                                                                                 |             |
| FOR RESOURCE CONSENT                                                                                                                                                   |             |
| Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |             |
| SCALE                                                                                                                                                                  | 1:750 (A3)  |
| DRAWING No                                                                                                                                                             | 33097/LF190 |
| REVISION                                                                                                                                                               | A           |



|                                    |  |
|------------------------------------|--|
| Ex Contours                        |  |
| Pr Contours (Major/Minor)          |  |
| Sediment Control Device            |  |
| Silt Fence                         |  |
| Super Silt Fence                   |  |
| Clean Water Diversion Channel      |  |
| Dirty Water Diversion Channel      |  |
| Clean Water Pump Rising Main       |  |
| Dirty Water Pump Rising Main       |  |
| Clean/Dirty Water Pump             |  |
| Extent of Earthworks               |  |
| Stabilised Ground                  |  |
| Estimated Existing Landfill Extent |  |
| Indicative Catchment Areas         |  |
| Topsoil Stockpile                  |  |
| Clay Stockpile                     |  |

[illegible]

NOTES

**PROJECT DATUMS:**

PROJECT DATUMS:  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

# PROPOSED NORTHERN DISPOSAL SITE CELL EROSION AND SEDIMENT CONTROL PLAN PHASE 2



ENGINEERS • RESOURCE MANAGERS • SURVEYORS

|                    |             |
|--------------------|-------------|
| AUCKLAND .....     | 09 278 7078 |
| HAWKE'S BAY .....  | 06 211 2766 |
| CHRISTCHURCH ..... | 03 358 5936 |
| BLENHEIM .....     | 03 428 3292 |
| NELSON .....       | 03 222 1132 |
| TAURANGA .....     | 07 220 9277 |

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STATUS

STATUS

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SCALE 1:750 (A3)

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| DRAWING No | REVISION |
|------------|----------|

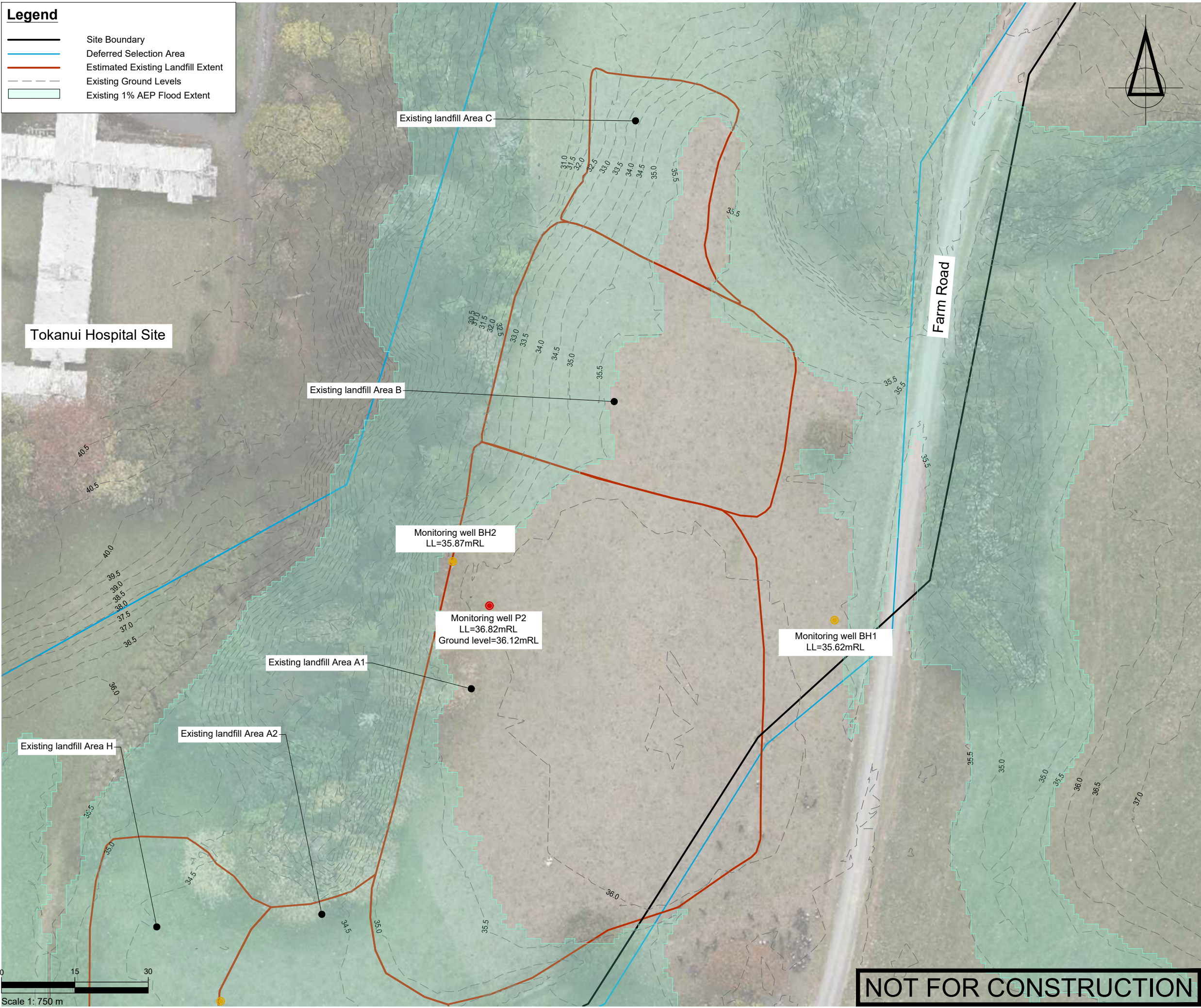
33097/LF191 A

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**Legend**

- Site Boundary
- Deferred Selection Area
- Estimated Existing Landfill Extent
- Existing Ground Levels
- Existing 1% AEP Flood Extent



|          |                           |          |          |          |
|----------|---------------------------|----------|----------|----------|
| SURVEYED |                           |          | APPROVED | DATE     |
| DESIGNED | TB                        | 14/08/24 | SF       | 05/11/24 |
| DRAWN    | TB                        | 15/08/24 |          |          |
| CHECKED  | SF                        | 05/11/24 |          |          |
| REVISION | CHANGES                   |          | CHECKED  | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          | SF       | 23/05/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: ..... New Zealand Vertical Datum 2016  
COORDINATE: ..... New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

EXISTING LANDFILL AREAS A1,  
B, AND C PLAN



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Thomas**

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HAWKE'S BAY ..... 06 211 2766  
CHRISTCHURCH ..... 03 358 5936  
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NELSON ..... 03 222 1132  
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**FOR RESOURCE CONSENT**

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|------------|-------------|----------|
| SCALE      | 1:750       | (A3)     |
| DRAWING No | 33097/LF200 | REVISION |
|            |             | A        |



Legend

Site Boundary

Deferred Selection Area

Estimated Existing Landfill Extent

Proposed Ground Levels

Existing Ground Levels

Proposed 1% AEP Flood Extent

Proposed Grass

Proposed Stream

Proposed Stream bank

Proposed Planting

Proposed Landfill Toe Bund

Proposed Farm Access

**Landfill Area C**  
Landfill area to be stripped of topsoil. Excavate capping material to 200mm thick above refuse. Install landfill capping layer, and topsoil with grass seed.

**Landfill Area B (not under Proposed Southern Disposal Site)**  
Landfill area to be stripped of topsoil. Excavate capping material to 300mm thick above refuse. Install landfill capping layer, and topsoil with grass seed.

**Landfill Area A1 (not under Proposed Southern Disposal Site)**  
Landfill area to be stripped of topsoil. Excavate capping material to 300mm thick above refuse. Install landfill capping layer, and topsoil with grass seed.

Monitoring well to be protected

Existing monitoring well P2 to be decommissioned and plugged

Existing landfill Area A1

Existing landfill Area A2

Existing landfill Area H

Existing landfill Area C

Existing landfill Area B

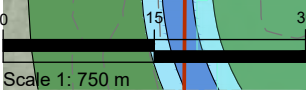
Farm Road

Groundwater cutoff drain. Long section and details shown on FTL Drawing 33097/LF250

Monitoring well to be protected

Landfill area outside site boundary to be excavated and area remediated

**Proposed Southern Disposal Site Approx 6,275m<sup>3</sup> refuse capacity)**  
Strip topsoil and existing cap to 200mm thickness. Construct new 0.75m high toe bund around perimeter of proposed landfill. Fill excavation with suitable landfill material from the disposal site works. Install landfill cap layer, and topsoil with grass seed.



Scale 1: 750 m



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| SURVEYED |                       |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                    | 14/08/24 |                                |         |          |
| DRAWN    | TB                    | 15/08/24 |                                |         |          |
| CHECKED  | SF                    | 05/11/24 |                                |         |          |
| REVISION | CHANGES               |          |                                | CHECKED | DATE     |
| A        | STH LF TOE BUND ADDED |          |                                | SF      | 20/11/24 |
| B        | AREA A2/H REDESIGN    |          |                                | SF      | 23/05/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
PROPOSED FINAL DESIGN PLAN

Fraser  
Thomas

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AUCKLAND

HAWKE'S BAY

CHRISTCHURCH

BLLENHEIM

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03 358 5936

03 428 3292

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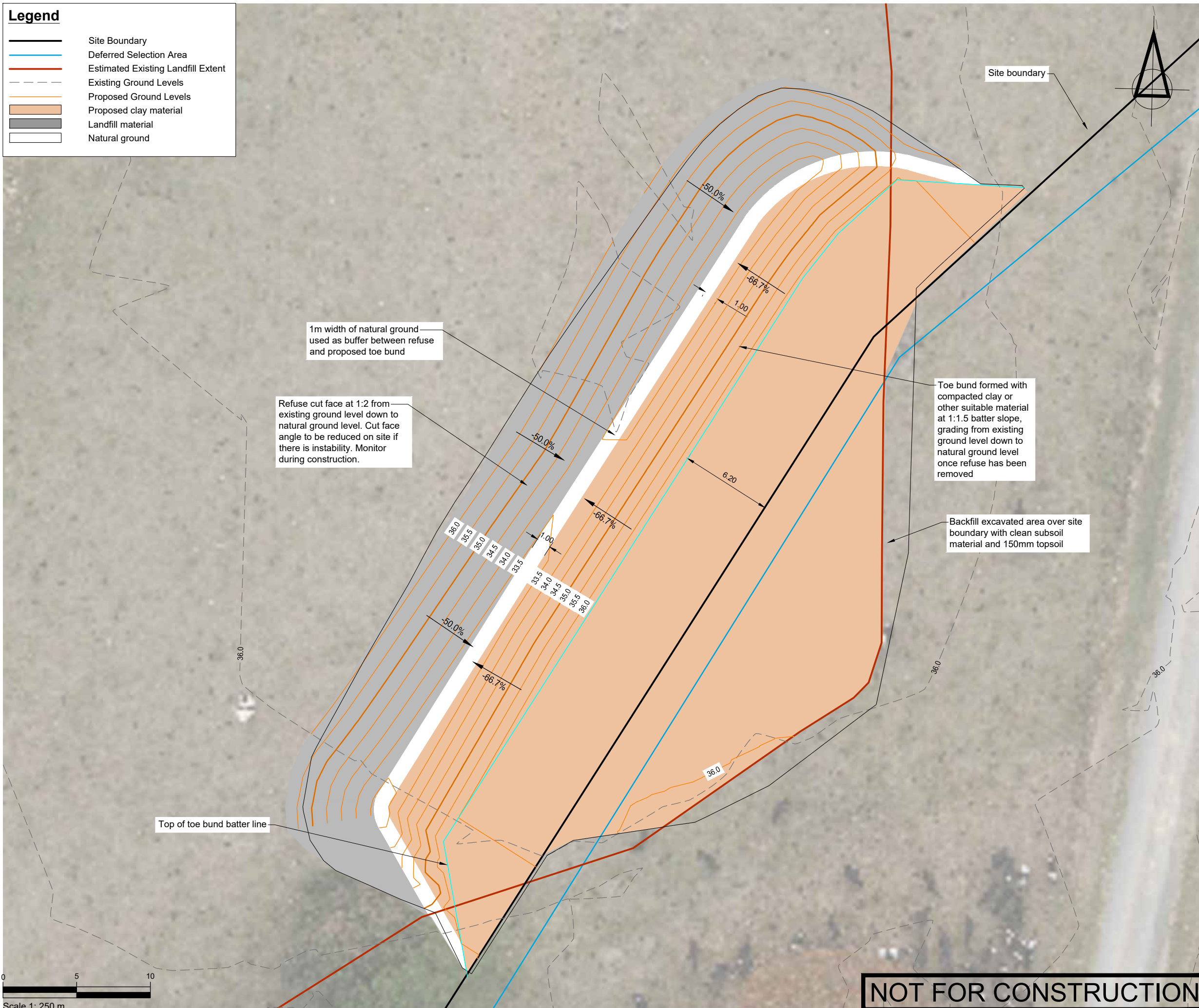
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|                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| STATUS                                                                                                                                                                 |             |
| FOR RESOURCE CONSENT                                                                                                                                                   |             |
| Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |             |
| SCALE                                                                                                                                                                  | 1:750 (A3)  |
| DRAWING No                                                                                                                                                             | 33097/LF210 |
| REVISION                                                                                                                                                               | B           |

NOT FOR CONSTRUCTION



|                                                                                   |                                    |
|-----------------------------------------------------------------------------------|------------------------------------|
|  | Site Boundary                      |
|  | Deferred Selection Area            |
|  | Estimated Existing Landfill Extent |
|  | Existing Ground Levels             |
|  | Proposed Ground Levels             |
|  | Proposed clay material             |
|  | Landfill material                  |
|  | Natural ground                     |

[illegible]

NOTES

**PROJECT DATUMS:**  
 LEVEL: ..... New Zealand Vertical Datum 2016  
 COORDINATE: ..... New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
PROPOSED TOE BUND PLAN



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|--------------|-------------|
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STATUS

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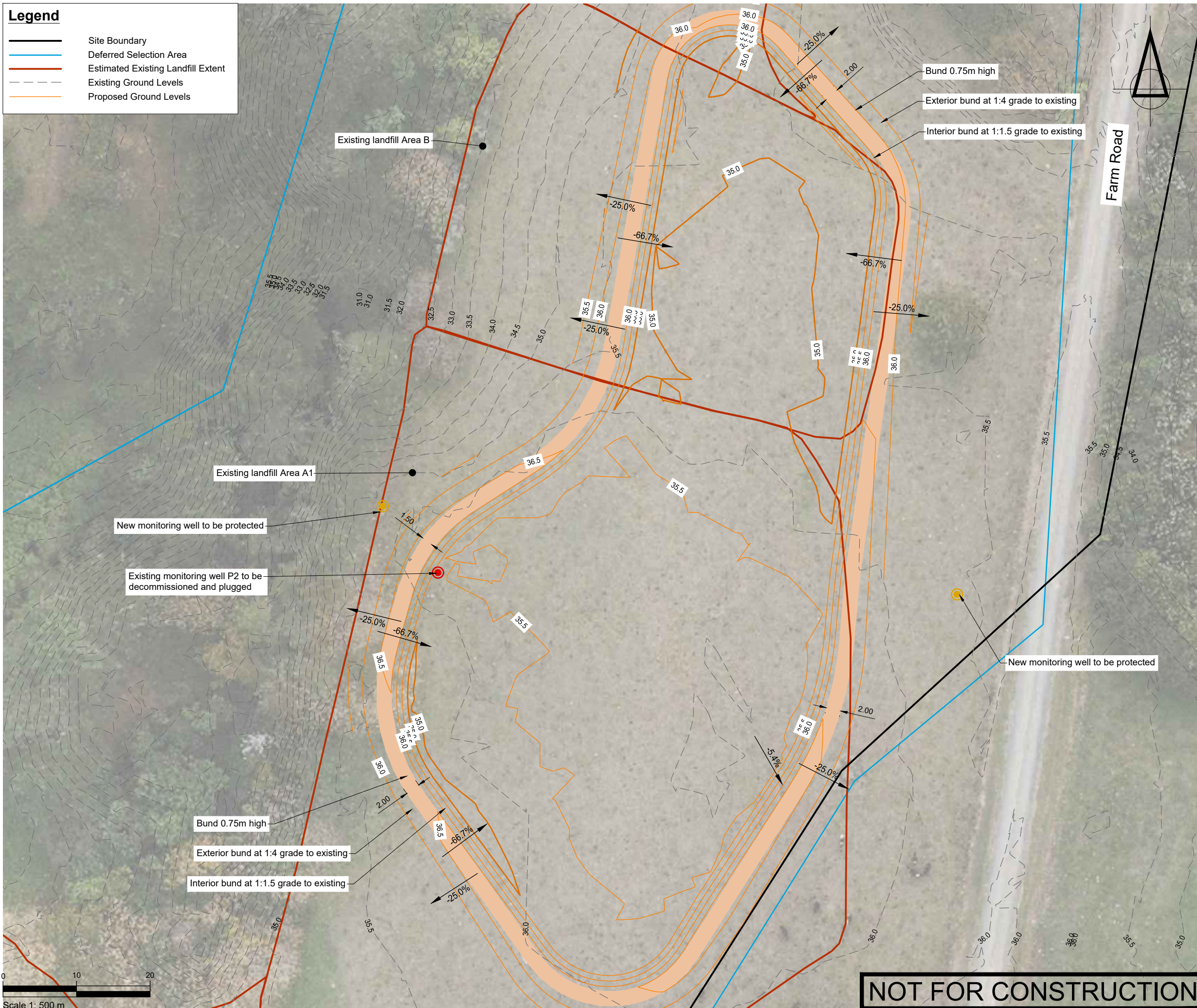
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

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| SCALE      | 1:250       | (A3)     |
| DRAWING No | 33097/LF219 | REVISION |
|            |             | A        |



### Legend

-  Site Boundary  
 Deferred Selection Area  
 Estimated Existing Landfill Extent  
 Existing Ground Levels  
 Proposed Ground Levels

[illegible]

NOTES

**PROJECT DATUMS:**

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|-------------|---------------------------------|
| LEVEL:      | New Zealand Vertical Datum 2016 |
| COORDINATE: | New Zealand Transverse Mercator |

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJEC

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
BASE OF CELL LEVELS PLAN



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|              |             |
|--------------|-------------|
| AUCKLAND     | 09 278 7078 |
| HAWKE'S BAY  | 06 211 2766 |
| CHRISTCHURCH | 03 358 5936 |
| BLENNHEIM    | 03 428 3292 |
| NELSON       | 03 222 1132 |
| TAURANGA     | 07 220 9277 |

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STATUS

STATUS

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SCALE 1:500

3)

DRAWING No

33097/LF220

VISION

3

NOT FOR CONSTRUCTION



Legend

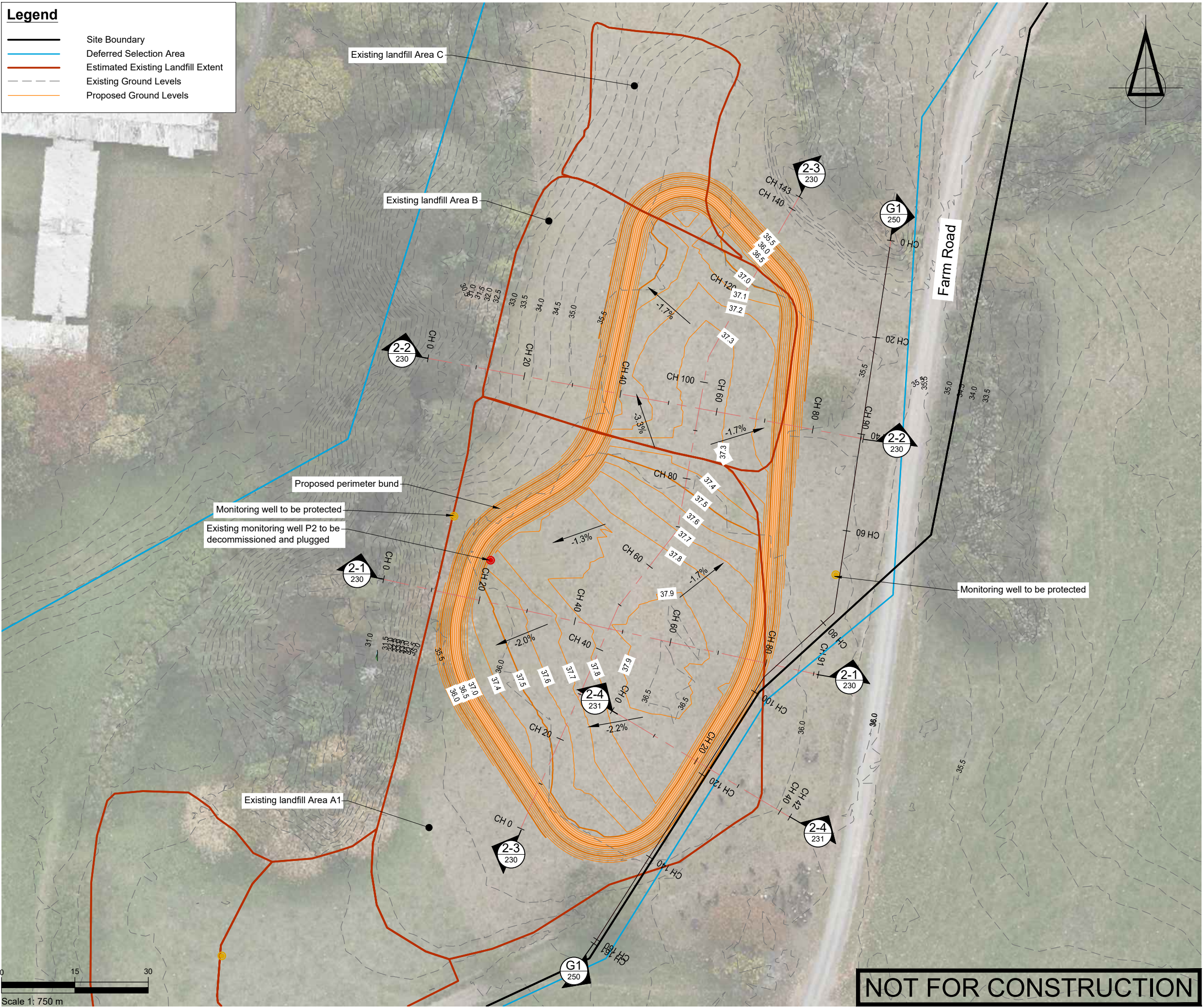
Site Boundary

Deferred Selection Area

Estimated Existing Landfill Extent

Existing Ground Levels

Proposed Ground Levels



|          |                           |          |          |         |          |
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| SURVEYED | TB                        | 14/08/24 | APPROVED | SF      | DATE     |
| DESIGNED | TB                        | 21/08/24 |          |         |          |
| DRAWN    | TB                        | 21/08/24 |          |         |          |
| CHECKED  | SF                        | 05/11/24 |          |         |          |
| REVISION | CHANGES                   |          |          | CHECKED | DATE     |
| A        | STH LF TOE BUND ADDED     |          |          | SF      | 20/11/24 |
| B        | COORDINATE SYSTEM CHANGED |          |          | SF      | 23/05/25 |
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NOTES

PROJECT DATUMS:  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
FINISHED GROUND LEVELS  
PLAN

Fraser  
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AUCKLAND

HAWKE'S BAY

CHRISTCHURCH

BLenheim

NELSON

TAURANGA

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STATUS  
FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:750

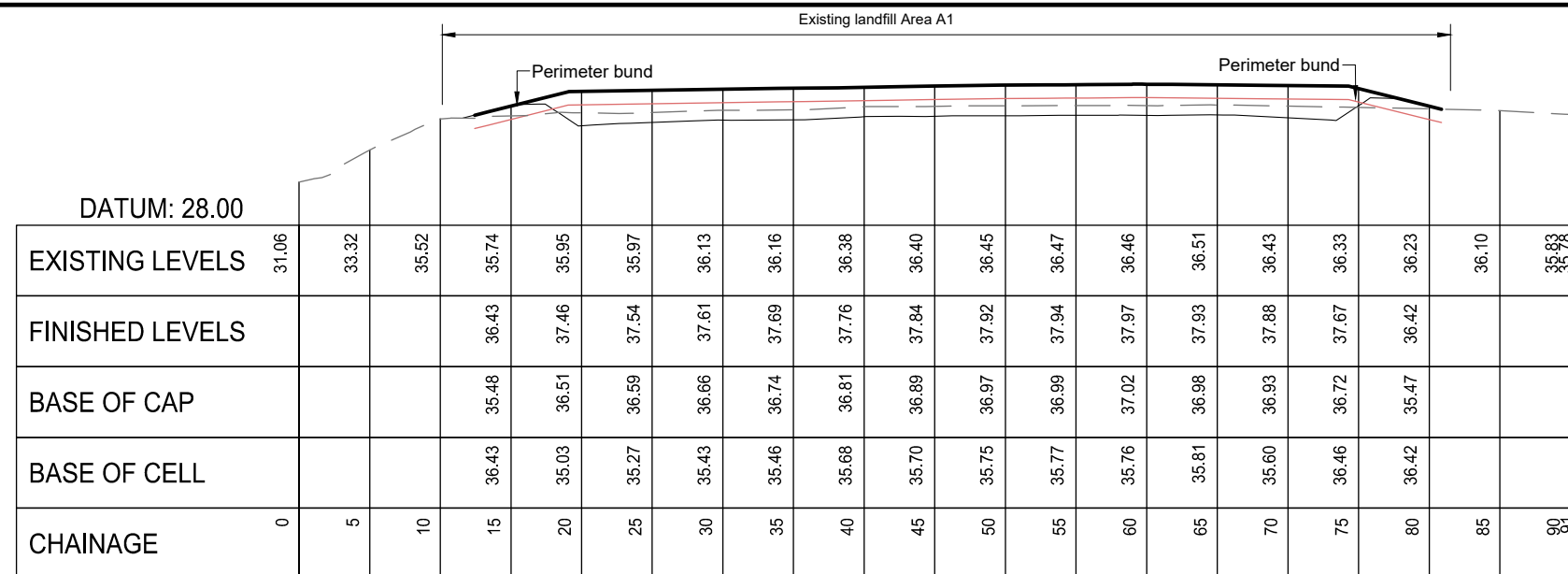
(A3)

DRAWING No 33097/LF221

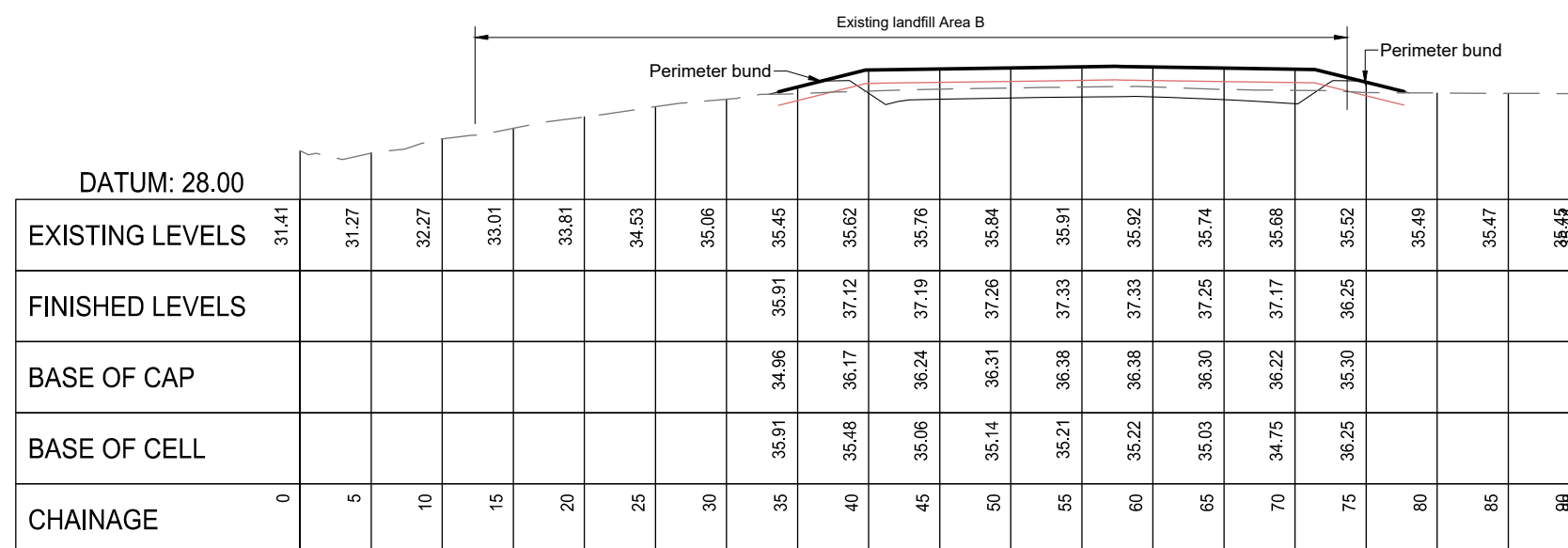
REVISION B



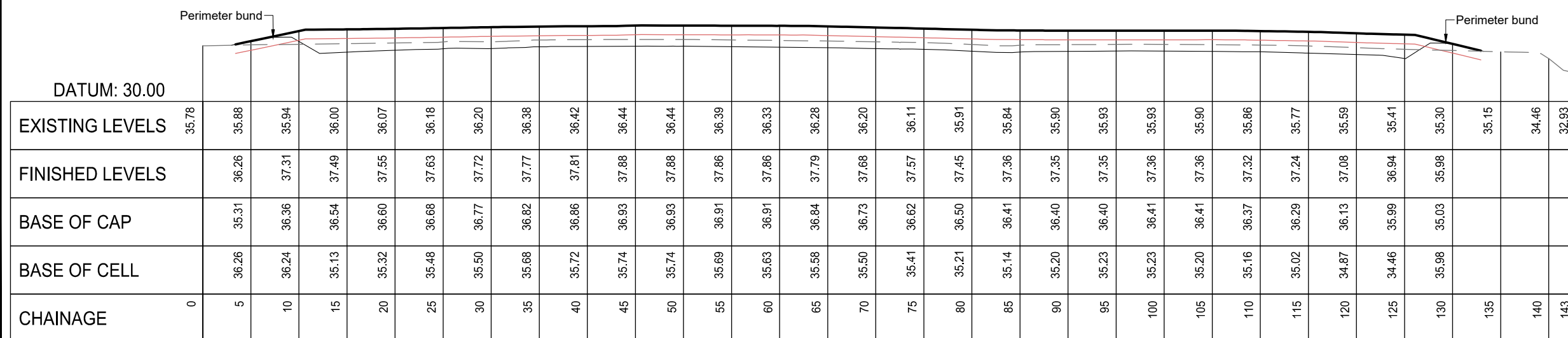
 Existing Ground  
 Finished Ground  
 Proposed Cap  
 Proposed Cell Base



**2-1 Cross Section 2-1**  
221 1:500



2-2 Cross Section 2-2  
221 1:500



2-3 Cross Section 2-3  
221 1:500

NOT FOR CONSTRUCTION

[illegible]

## NOTES

**PROJECT DATUMS:**

LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
CROSS SECTIONS SHEET 1



ENGINEERS • RESOURCE MANAGERS • SURVEYORS

|              |             |
|--------------|-------------|
| AUCKLAND     | 09 278 7078 |
| HAWKE'S BAY  | 06 211 2766 |
| CHRISTCHURCH | 03 358 5936 |
| BLenheim     | 03 428 3292 |
| NELSON       | 03 222 1132 |
| TAURANGA     | 07 220 9277 |

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STATUS

STATUS

FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:500

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DRAWING No.

33097/LF230

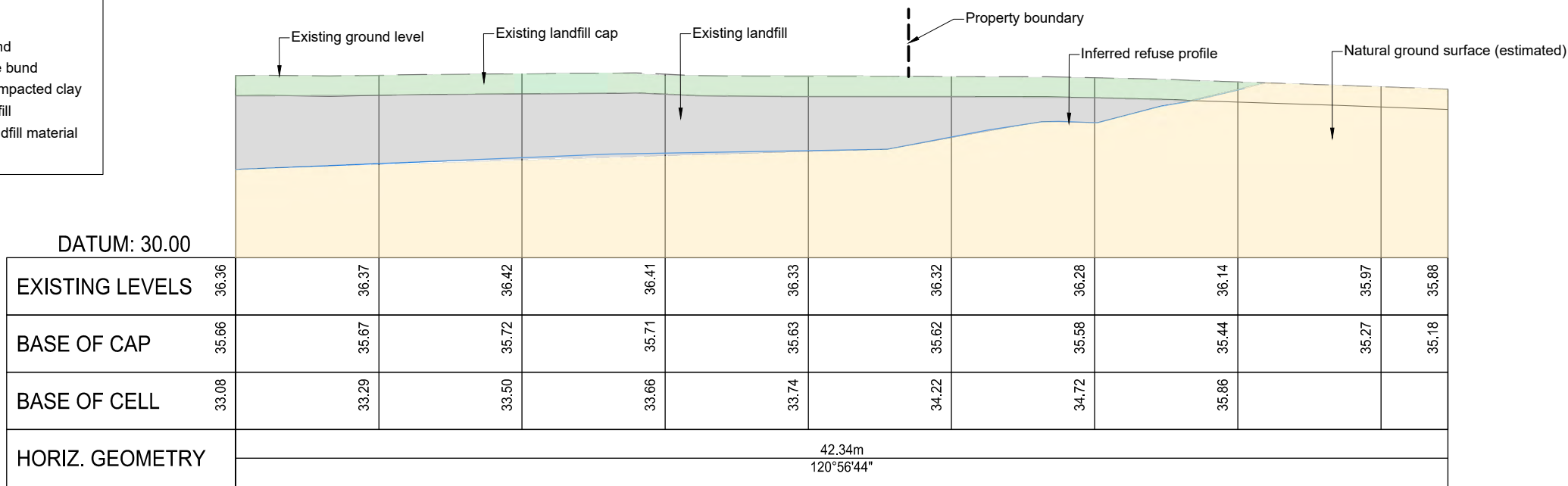
REVISION

B

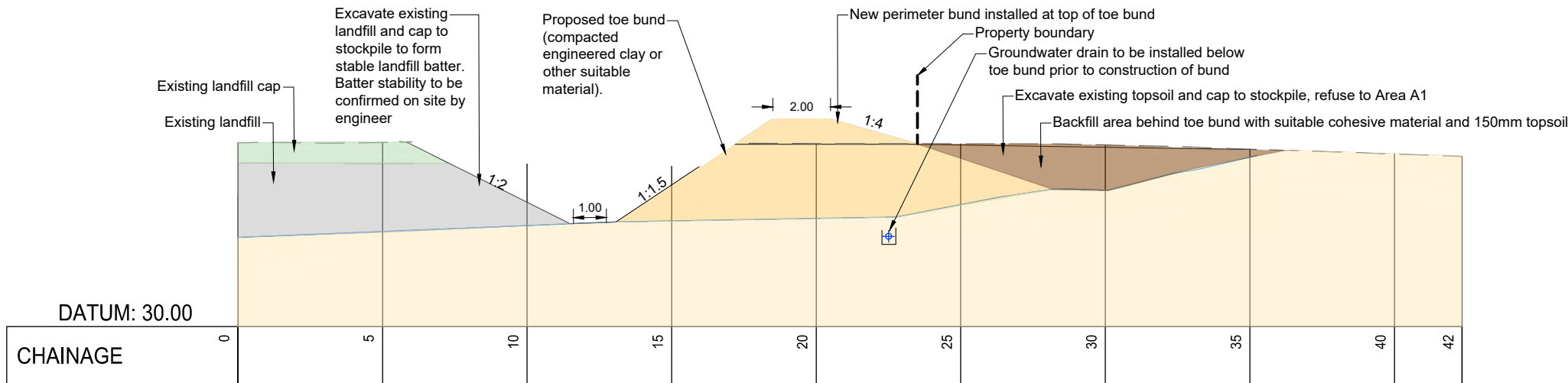


**Legend**

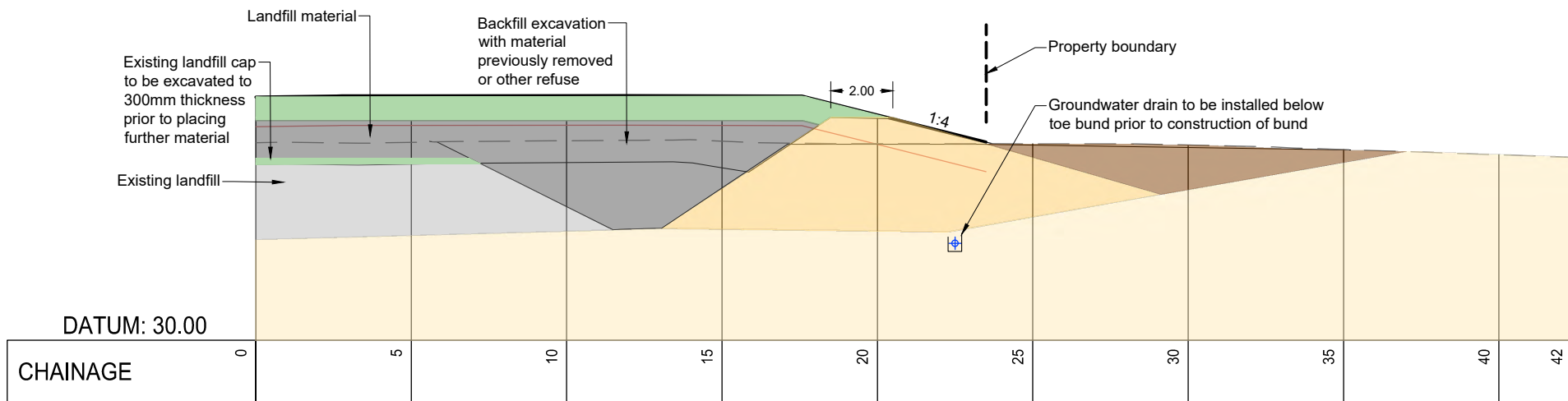
- Natural ground
- Proposed toe bund
- Proposed compacted clay
- Existing landfill
- Proposed landfill material
- Landfill cap



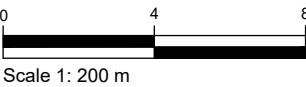
2-4 Cross Section 2-4 - Existing  
221 1:200



2-4 Cross Section 2-4 - Stage 1  
221 1:200



2-4 Cross Section 2-4 - Stage 2  
221 1:200



NOT FOR CONSTRUCTION

|          |                           |          |          |          |
|----------|---------------------------|----------|----------|----------|
| SURVEYED |                           |          | APPROVED | DATE     |
| DESIGNED | TB                        | 20/11/24 | SF       | 21/11/24 |
| DRAWN    | TB                        | 20/11/24 |          |          |
| CHECKED  | SF                        | 21/11/24 |          |          |
| REVISION | CHANGES                   |          | CHECKED  | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          | SF       | 23/05/25 |
|          |                           |          |          |          |
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NOTES

**PROJECT DATUMS:**  
LEVEL: ..... New Zealand Vertical Datum 2016  
COORDINATE: ..... New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
CROSS SECTIONS SHEET 2

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NELSON ..... 03 222 1132  
TAURANGA ..... 07 220 9277

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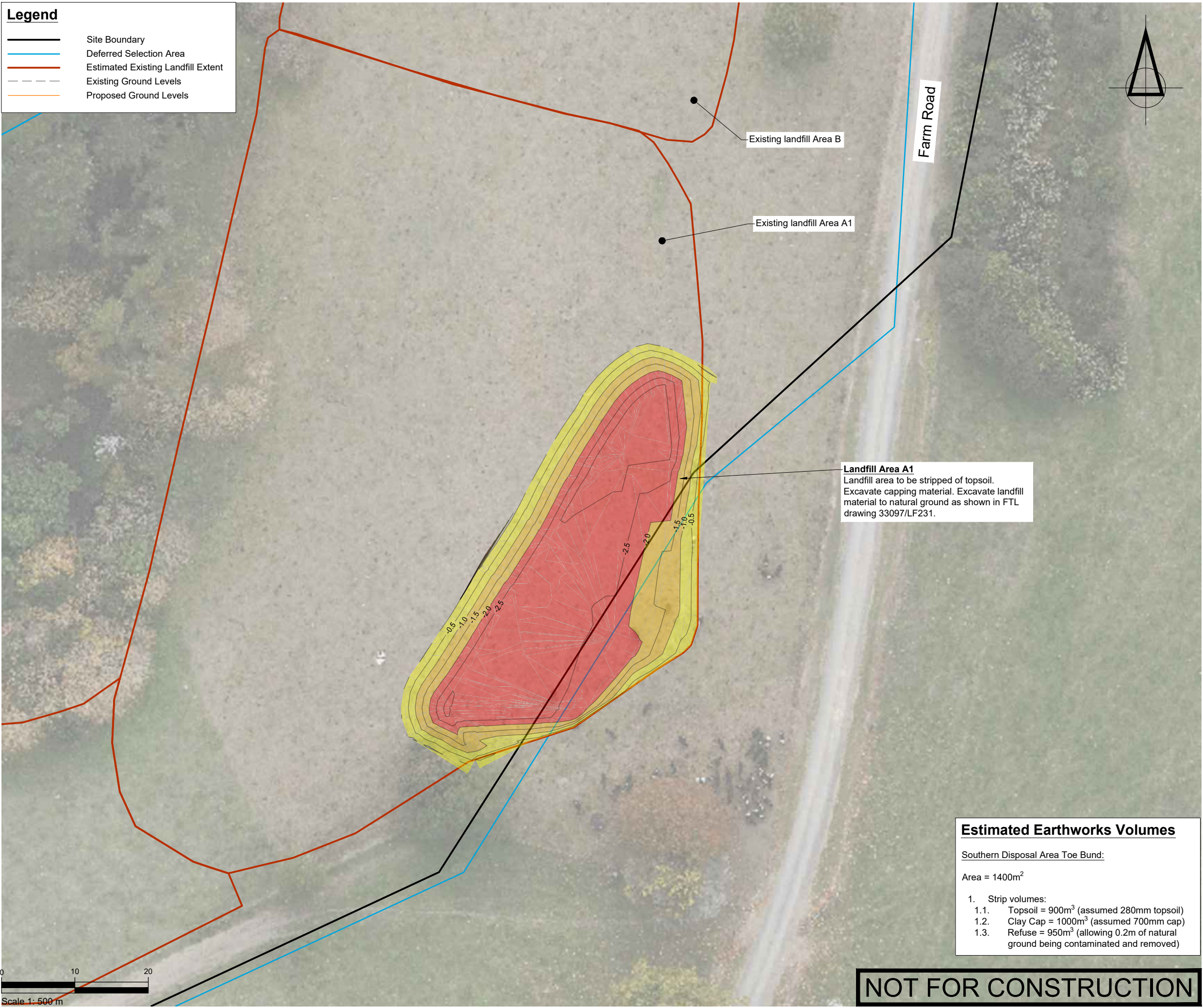
STATUS  
**FOR RESOURCE CONSENT**  
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:200 (A3)  
DRAWING No 33097/LF231 REVISION A



Legend

Site Boundary

Deferred Selection Area

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|----------|---------------------------|----------|--------------------------------|---------|----------|
| SURVEYED |                           |          | APPROVED<br><br>SF<br>21/11/24 | DATE    |          |
| DESIGNED | TB                        | 20/11/24 |                                |         |          |
| DRAWN    | TB                        | 20/11/24 |                                |         |          |
| CHECKED  | SF                        | 21/11/24 |                                |         |          |
| REVISION | CHANGES                   |          |                                | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |                                | SF      | 23/05/25 |
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NOTES

PROJECT DATUMS:  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
REFUSE EXCAVATION PLAN

Fraser  
Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

AUCKLAND

09 278 7078

HAWKE'S BAY

06 211 2766

CHRISTCHURCH

03 358 5936

BLENHEIM

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TAURANGA

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|                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| STATUS                                                                                                                                                                 |             |
| FOR RESOURCE CONSENT                                                                                                                                                   |             |
| Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |             |
| SCALE                                                                                                                                                                  | 1:500 (A3)  |
| DRAWING No                                                                                                                                                             | 33097/LF238 |
| REVISION                                                                                                                                                               | A           |

Estimated Earthworks Volumes

Southern Disposal Area Toe Bund:

Area = 1400m<sup>2</sup>

1. Strip volumes:

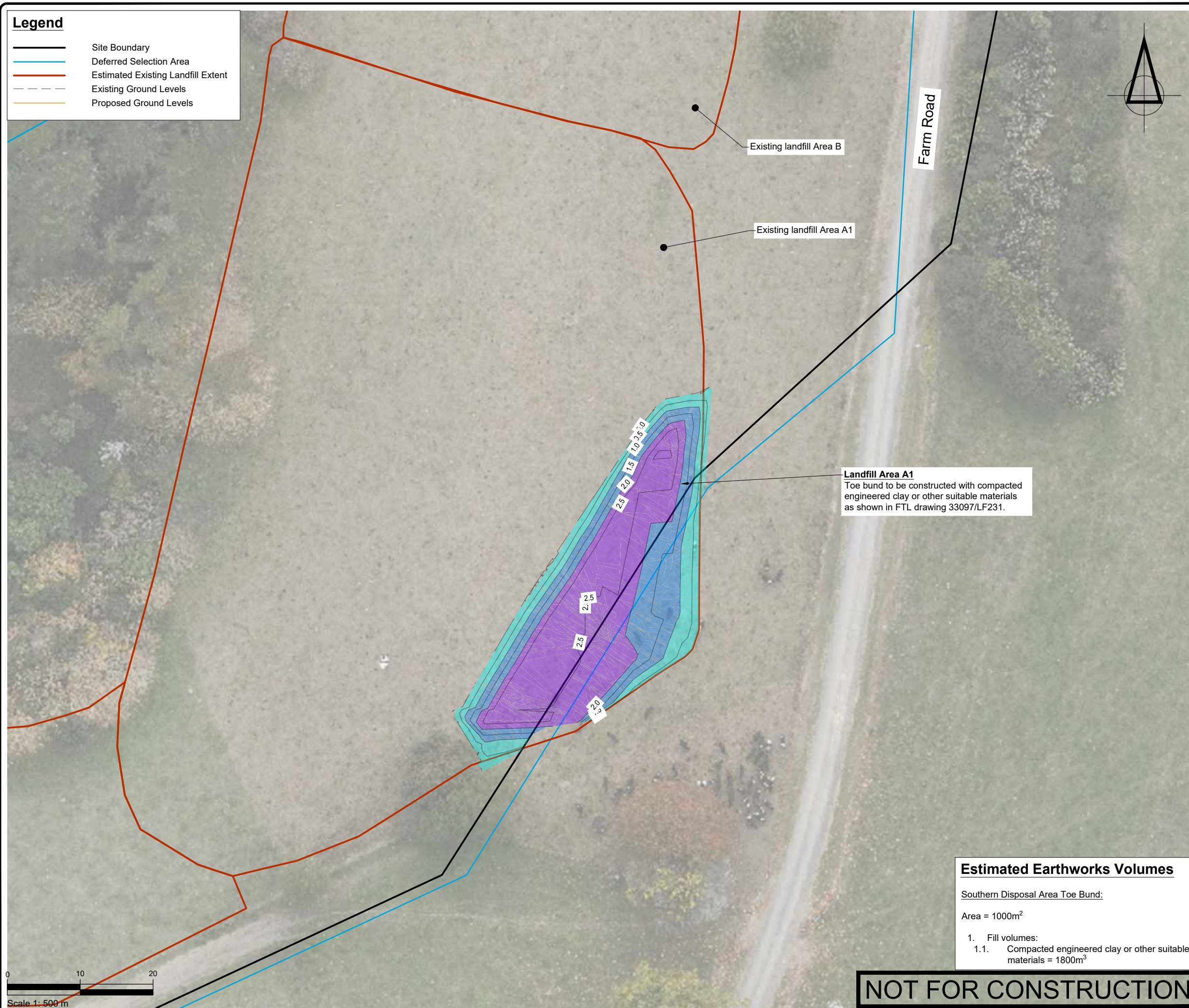
1.1. Topsoil = 900m<sup>3</sup> (assumed 280mm topsoil)

1.2. Clay Cap = 1000m<sup>3</sup> (assumed 700mm cap)

1.3. Refuse = 950m<sup>3</sup> (allowing 0.2m of natural ground being contaminated and removed)

NOT FOR CONSTRUCTION



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**PROJECT DATUMS:**  
 LEVEL: ..... New Zealand Vertical Datum 2016  
 COORDINATE: ..... New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
TOE BUND CONSTRUCTION  
PLAN

|                                                                                                                                                                        |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| STATUS                                                                                                                                                                 |            |
| <b>FOR RESOURCE CONSENT</b>                                                                                                                                            |            |
| Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |            |
| SCALE                                                                                                                                                                  | 1:500 (A3) |
| DRAWING No                                                                                                                                                             | REVISION   |
| <b>33097/LF239</b>                                                                                                                                                     | <b>A</b>   |

### Estimated Earthworks Volumes

Southern Disposal Area Toe Bund:

Area =  $1000\text{m}^2$

1. Fill volumes:
  - 1.1. Compacted engineered clay or other suitable materials =  $1800\text{m}^3$

NOT FOR CONSTRUCTION



Legend

Site Boundary

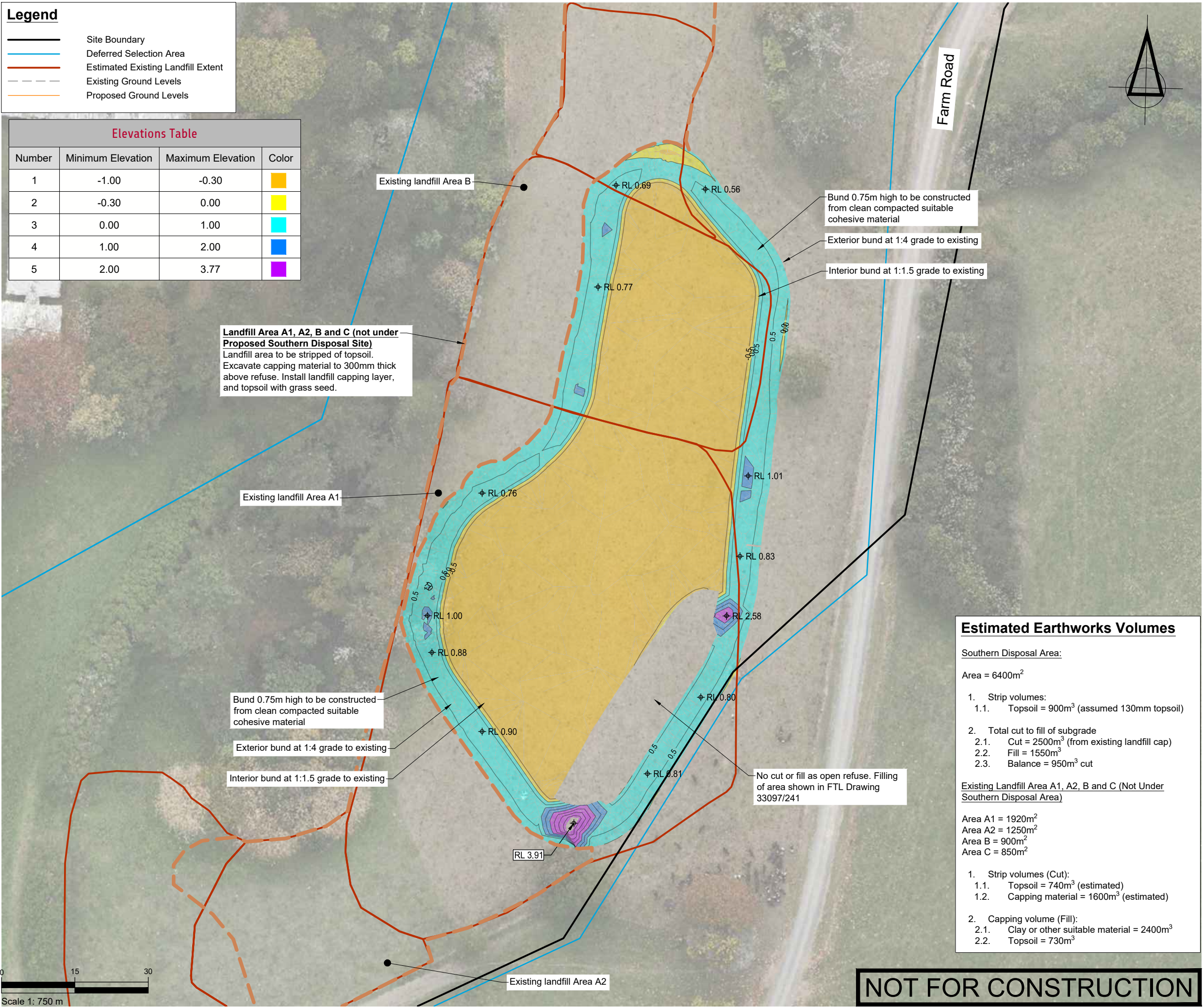
Deferred Selection Area

Estimated Existing Landfill Extent

Existing Ground Levels

Proposed Ground Levels

| Elevations Table |                   |                   |       |
|------------------|-------------------|-------------------|-------|
| Number           | Minimum Elevation | Maximum Elevation | Color |
| 1                | -1.00             | -0.30             |       |
| 2                | -0.30             | 0.00              |       |
| 3                | 0.00              | 1.00              |       |
| 4                | 1.00              | 2.00              |       |
| 5                | 2.00              | 3.77              |       |



### Estimated Earthworks Volumes

- Southern Disposal Area:
- Area = 6400m<sup>2</sup>
- Strip volumes:
    - Topsoil = 900m<sup>3</sup> (assumed 130mm topsoil)
  - Total cut to fill of subgrade
    - Cut = 2500m<sup>3</sup> (from existing landfill cap)
    - Fill = 1550m<sup>3</sup>
    - Balance = 950m<sup>3</sup> cut
- Existing Landfill Area A1, A2, B and C (Not Under Southern Disposal Area)
- Area A1 = 1920m<sup>2</sup>  
Area A2 = 1250m<sup>2</sup>  
Area B = 900m<sup>2</sup>  
Area C = 850m<sup>2</sup>
- Strip volumes (Cut):
    - Topsoil = 740m<sup>3</sup> (estimated)
    - Capping material = 1600m<sup>3</sup> (estimated)
  - Capping volume (Fill):
    - Clay or other suitable material = 2400m<sup>3</sup>
    - Topsoil = 730m<sup>3</sup>

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|----------|---------------------------|----------|--------------------------------|---------|----------|
| SURVEYED |                           |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                        | 14/08/24 |                                |         |          |
| DRAWN    | TB                        | 21/08/24 |                                |         |          |
| CHECKED  | SF                        | 05/11/24 |                                |         |          |
| REVISION | CHANGES                   |          |                                | CHECKED | DATE     |
| A        | STH LF TOE BUND ADDED     |          |                                | SF      | 20/11/24 |
| B        | COORDINATE SYSTEM CHANGED |          |                                | SF      | 23/05/25 |
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NOTES

PROJECT DATUMS:  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
CELL FORMATION CUT AND FILL  
PLAN

Fraser  
Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

AUCKLAND 09 278 7078  
HAWKE'S BAY 06 211 2766  
CHRISTCHURCH 03 358 5936  
BLENHEIM 03 428 3292  
NELSON 03 222 1132  
TAURANGA 07 220 9277

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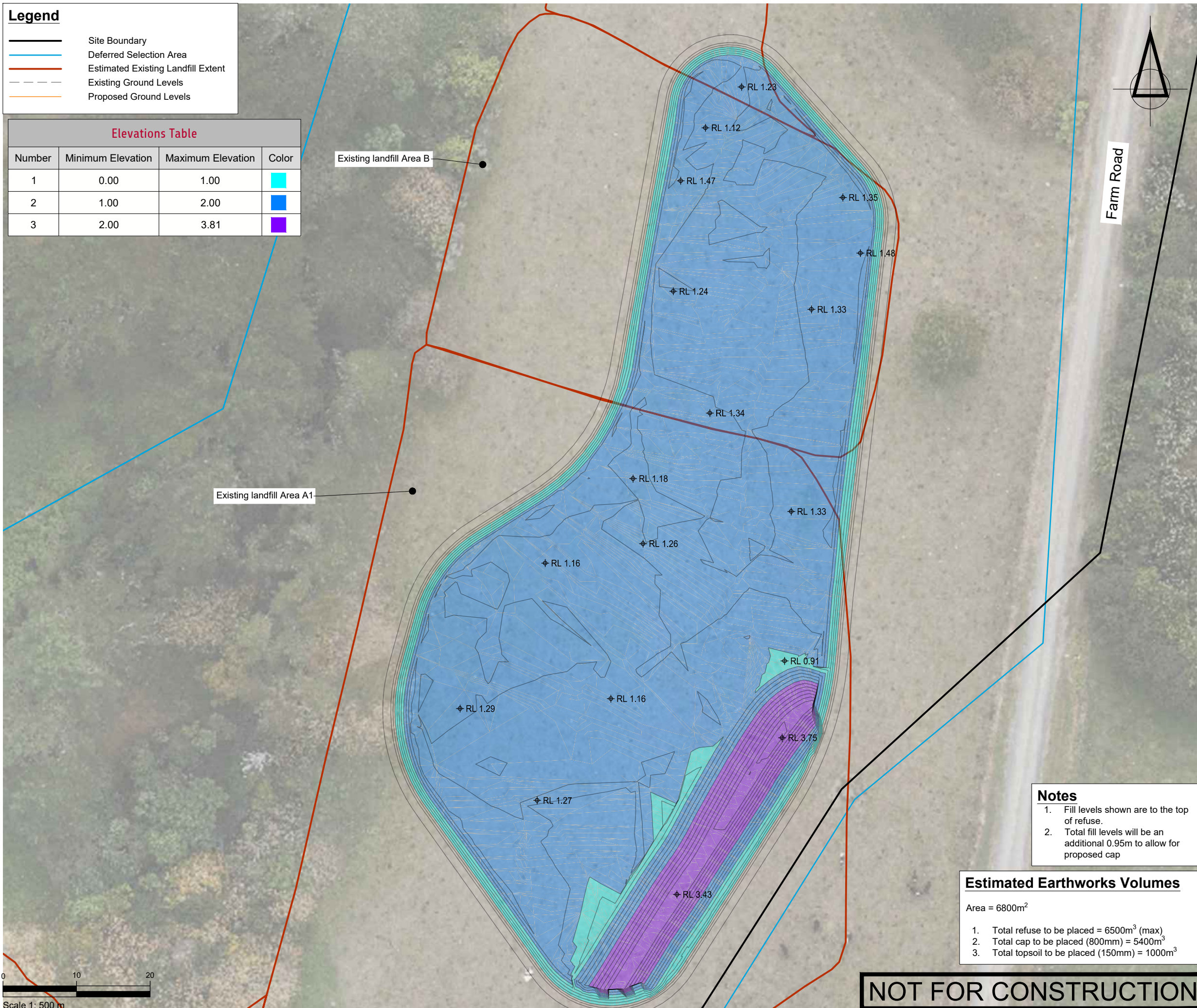
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|                                                                                                                                                                        |            |
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| STATUS                                                                                                                                                                 |            |
| FOR RESOURCE CONSENT                                                                                                                                                   |            |
| Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |            |
| SCALE 1:500                                                                                                                                                            | (A3)       |
| DRAWING No 33097/LF240                                                                                                                                                 | REVISION B |



 Site Boundary  
 Deferred Selection Area  
 Estimated Existing Landfill Extent  
 Existing Ground Levels  
 Proposed Ground Levels

| Elevations Table |                   |                   |             |
|------------------|-------------------|-------------------|-------------|
| Number           | Minimum Elevation | Maximum Elevation | Color       |
| 1                | 0.00              | 1.00              | <div></div> |
| 2                | 1.00              | 2.00              | <div></div> |
| 3                | 2.00              | 3.81              | <div></div> |

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**PROJECT DATUMS:**  
 LEVEL: ..... New Zealand Vertical Datum 2016  
 COORDINATE: ..... New Zealand Transverse Mercator

# TOITU TE WHENUA LAND INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
REFUSE FILLING PLAN



**Fraser  
Thomas**

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|              |             |
|--------------|-------------|
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| CHRISTCHURCH | 03 358 5936 |
| BLenheim     | 03 428 3292 |
| NELSON       | 03 222 1132 |
| TAURANGA     | 07 220 9277 |

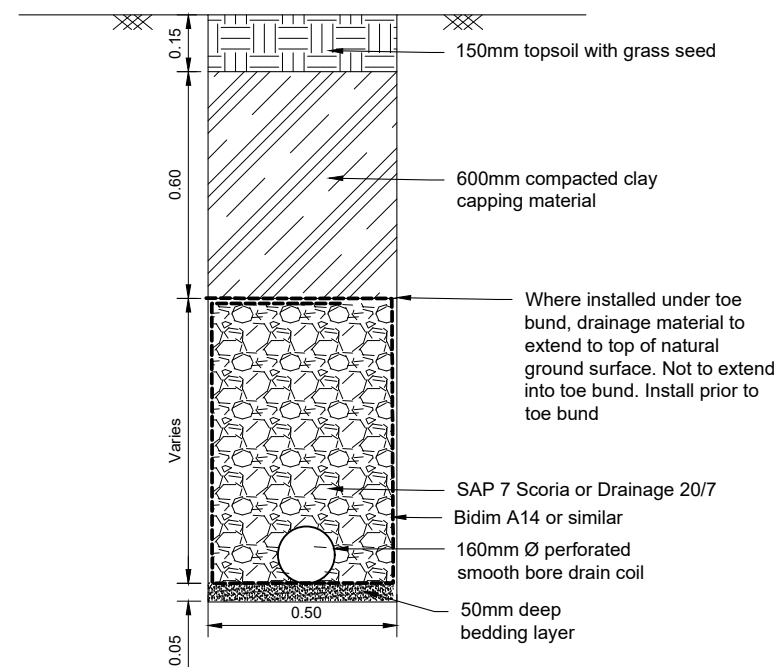
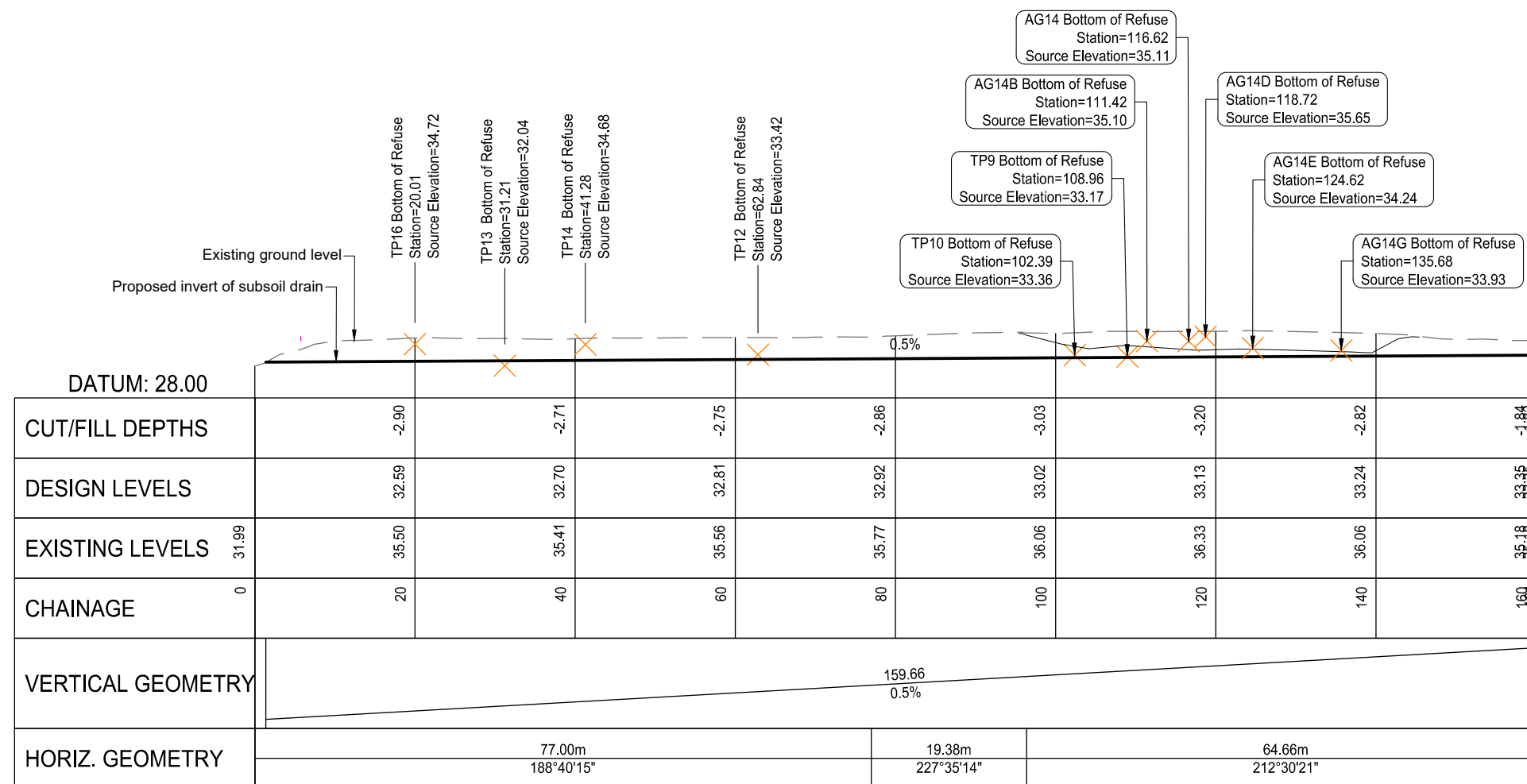
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| STATUS                                                                                                                                                                 |
| <b>FOR RESOURCE CONSENT</b>                                                                                                                                            |
| Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |

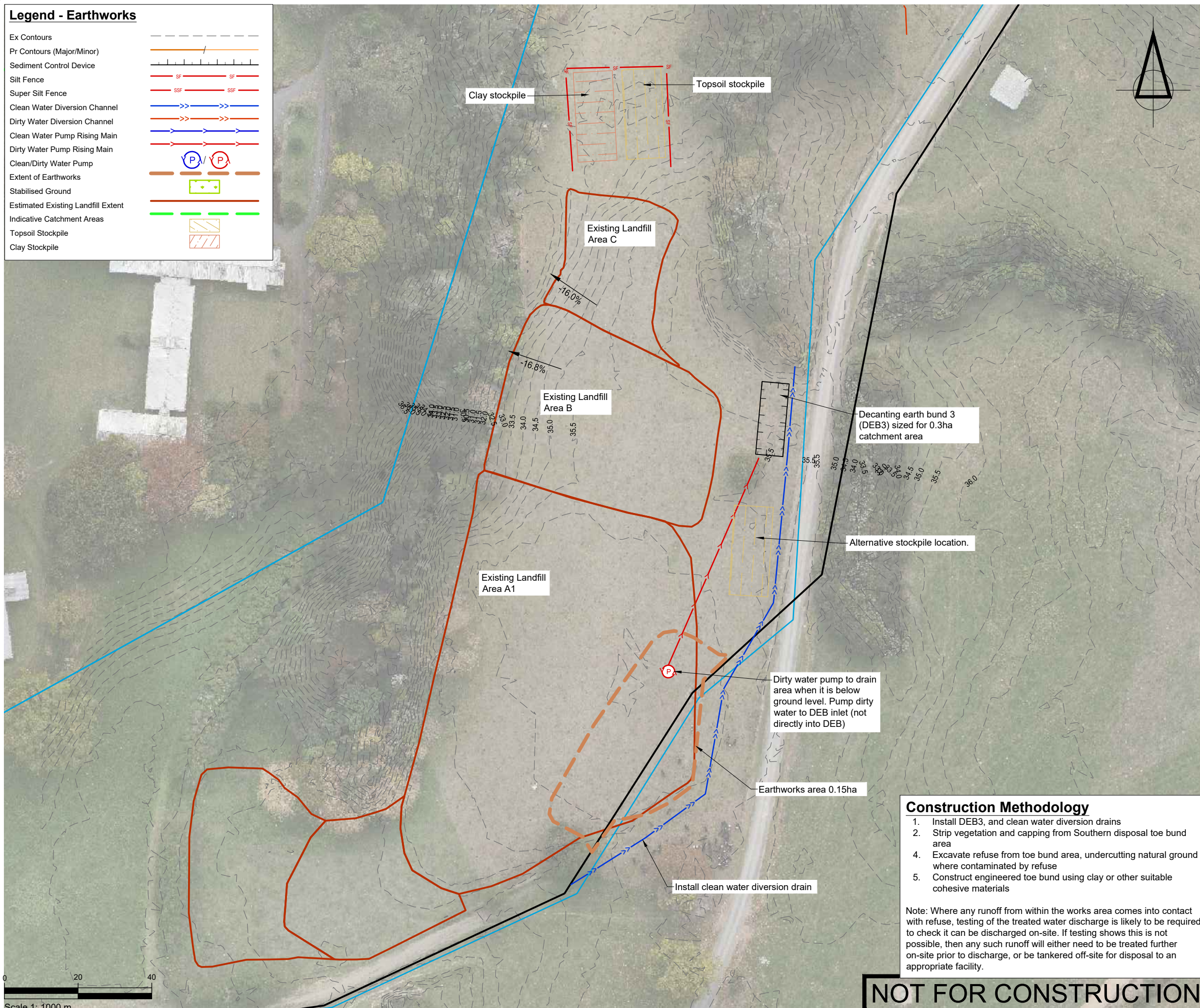
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| SCALE      | 1:500       | (A3)          |
| DRAWING No | 33097/LF241 | REVISION<br>B |



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|                                    |                                                                                   |
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| Ex Contours                        |  |
| Pr Contours (Major/Minor)          |  |
| Sediment Control Device            |  |
| Silt Fence                         |  |
| Super Silt Fence                   |  |
| Clean Water Diversion Channel      |  |
| Dirty Water Diversion Channel      |  |
| Clean Water Pump Rising Main       |  |
| Dirty Water Pump Rising Main       |  |
| Clean/Dirty Water Pump             |  |
| Extent of Earthworks               |  |
| Stabilised Ground                  |  |
| Estimated Existing Landfill Extent |  |
| Indicative Catchment Areas         |  |
| Topsoil Stockpile                  |  |
| Clay Stockpile                     |  |

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| <b>PROJECT DATUMS:</b> |                                 |
| LEVEL:                 | New Zealand Vertical Datum 2016 |
| COORDINATE:            | New Zealand Transverse Mercator |

# TOITU TE WHENUA LAND INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED SOUTHERN  
DISPOSAL SITE CELL  
EROSION AND SEDIMENT  
CONTROL PLAN PHASE 0

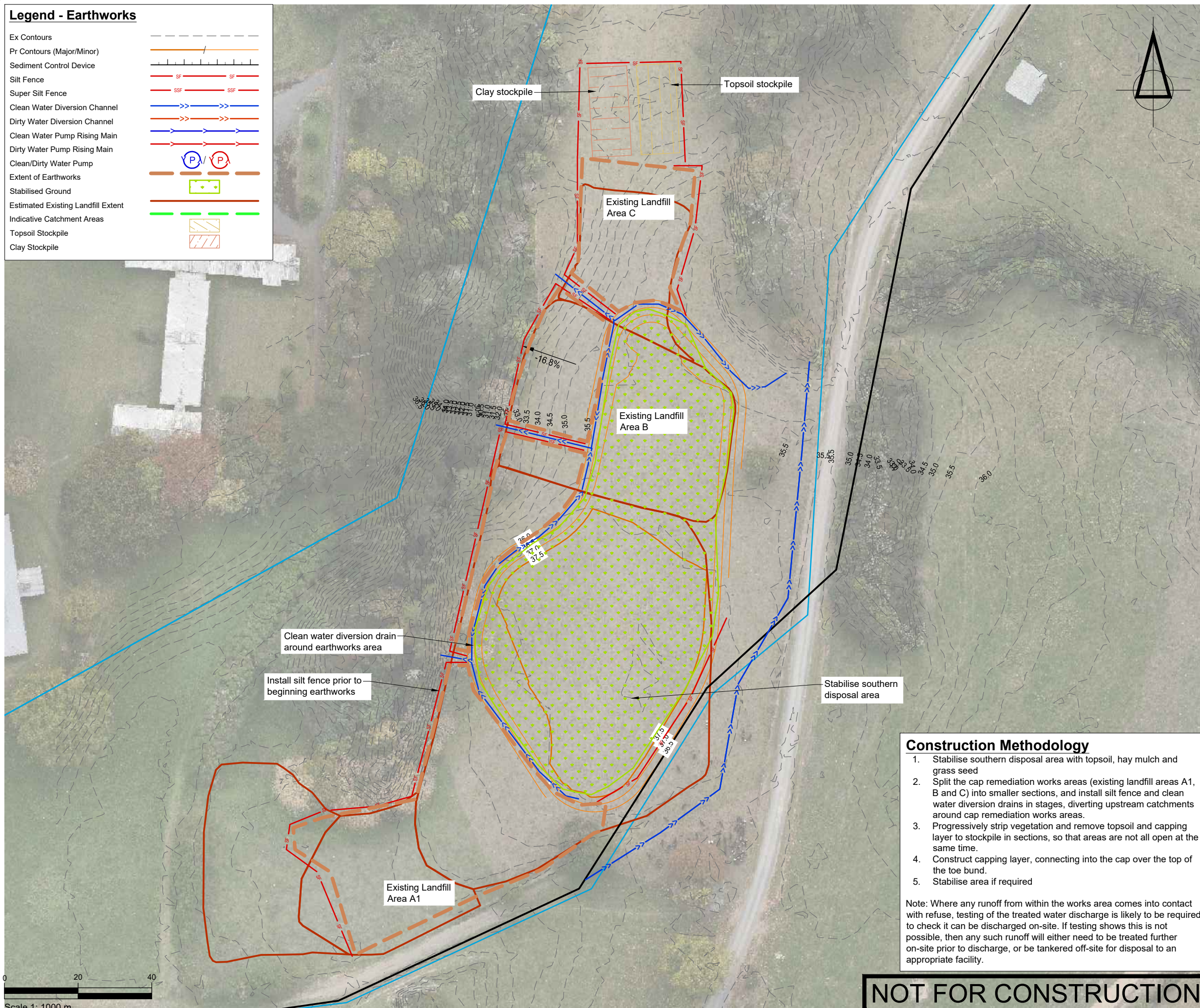
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| STATUS                                  | <h1 style="margin: 0;">FOR RESOURCE CONSENT</h1> <p style="margin: 10px 0;">Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.</p> |
| SCALE                                   | 1:1000 <span style="float: right;">(A3)</span>                                                                                                                                                                                                         |
| DRAWING No                              | REVISION                                                                                                                                                                                                                                               |
| <h2 style="margin: 0;">33097/LF289</h2> | <h2 style="margin: 0;">A</h2>                                                                                                                                                                                                                          |







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| Ex Contours                        |  |
| Pr Contours (Major/Minor)          |  |
| Sediment Control Device            |  |
| Silt Fence                         |  |
| Super Silt Fence                   |  |
| Clean Water Diversion Channel      |  |
| Dirty Water Diversion Channel      |  |
| Clean Water Pump Rising Main       |  |
| Dirty Water Pump Rising Main       |  |
| Clean/Dirty Water Pump             |  |
| Extent of Earthworks               |  |
| Stabilised Ground                  |  |
| Estimated Existing Landfill Extent |  |
| Indicative Catchment Areas         |  |
| Topsoil Stockpile                  |  |
| Clay Stockpile                     |  |

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NOTES

**PROJECT DATUMS:**

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| LEVEL:      | New Zealand Vertical Datum 2016 |
| COORDINATE: | New Zealand Transverse Mercator |

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TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

# FORMER TOKANUI HOSPITAL DEMOLITION AND REMEDIATION PROJECT

TITLE

# PROPOSED SOUTHERN DISPOSAL SITE CELL EROSION AND SEDIMENT CONTROL PLAN PHASE 2



ENGINEERS • RESOURCE MANAGERS • SURVEYORS

|              |             |
|--------------|-------------|
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| CHRISTCHURCH | 03 358 5936 |
| BLENHEIM     | 03 428 3292 |
| NELSON       | 03 222 1132 |
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STATUS

FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:1000

A3)

DRAWING No.

REVISION

33097/LF291

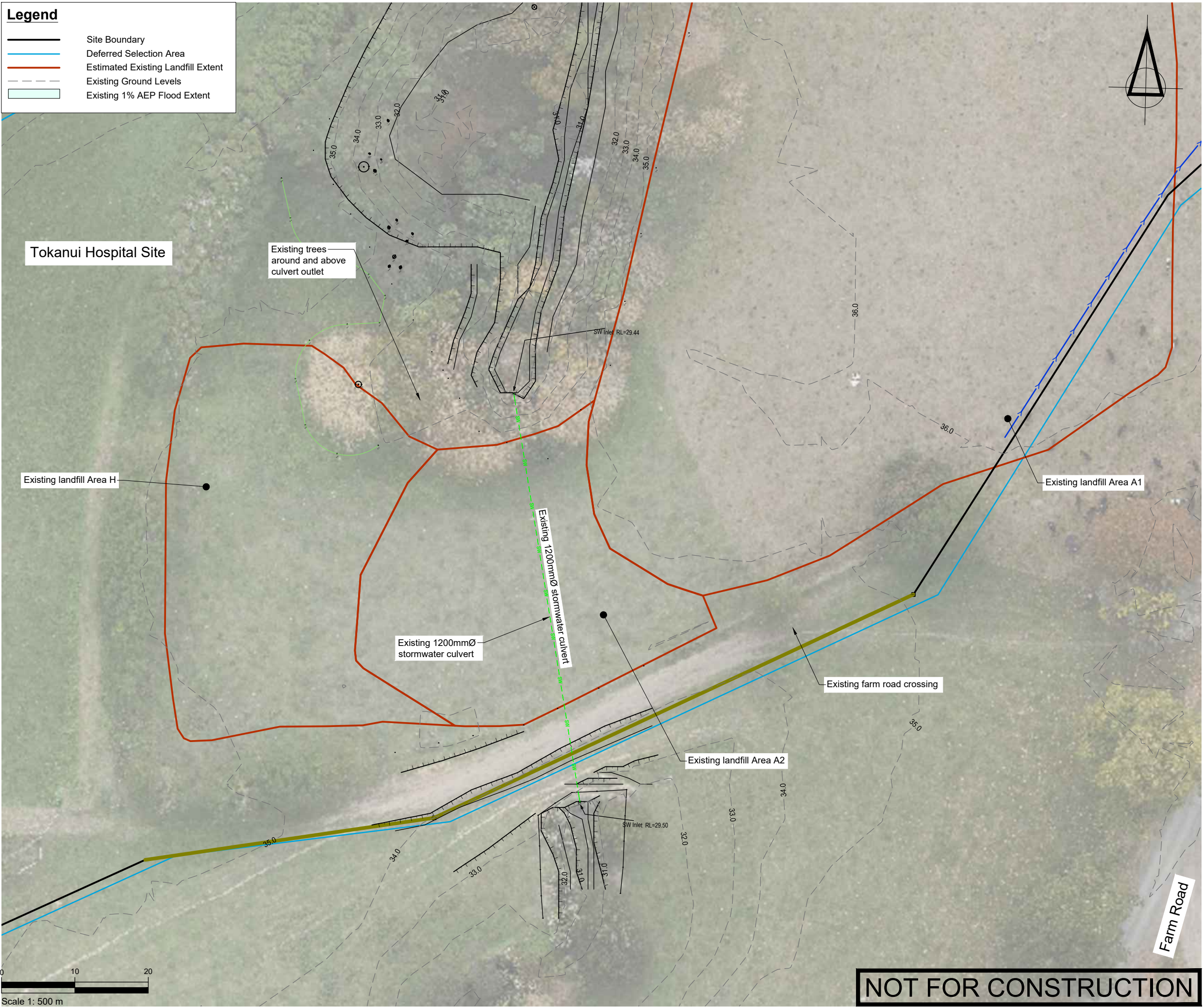
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**Legend**

- Site Boundary
- Deferred Selection Area
- Estimated Existing Landfill Extent
- Existing Ground Levels
- Existing 1% AEP Flood Extent



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| SURVEYED |                    |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                 | 14/08/24 |                                |         |          |
| DRAWN    | TB                 | 15/08/24 |                                |         |          |
| CHECKED  | SF                 | 05/11/24 |                                |         |          |
| REVISION | CHANGES            |          |                                | CHECKED | DATE     |
| A        | AREA A2/H REDESIGN |          |                                | SF      | 23/05/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
**TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND**

PROJECT  
**FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT**

TITLE  
**EXISTING LANDFILL AREAS A2  
AND AREA H, AND EXISTING  
CULVERT 3 PLAN**



**Fraser  
Thomas**  
ENGINEERS • RESOURCE MANAGERS • SURVEYORS  
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CHRISTCHURCH ..... 03 358 5936  
BLENHEIM ..... 03 428 3292  
NELSON ..... 03 222 1132  
TAURANGA ..... 07 220 9277  
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STATUS  
**FOR RESOURCE CONSENT**  
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE: 1:500 (A3)

DRAWING No: 33097/LF300 REVISION: A

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Legend

Site Boundary

Deferred Selection Area

Estimated Existing Landfill Extent

Proposed Ground Levels

Existing Ground Levels

Proposed 1% AEP Flood Extent

Proposed Grass

Proposed Stream

Proposed Stream bank

Proposed Planting

Proposed Landfill Toe Bund

Proposed Farm Access

Tokanui Hospital Site

Existing landfill Area H

Form new toe bund for existing landfill Area A1

Stream base to have meanders and will be planted with natives with rock/logs located throughout.

Rear face of toe bund to be backfilled with refuse material and then capped, topsoiled and grassed

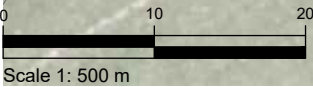
Existing landfill Area A1

Existing landfill Area A2

Farm track to be lifted to detain flood waters to existing levels

**Culvert 3 Remedial works**  
Strip topsoil, landfill cap and any soils/fill material. Excavate all refuse from area, disposing of the refuse into the southern disposal site. Undercut the natural ground if required, and then form the proposed stream and farm crossing. Topsoil and stabilise the area. Riparian planting along the stream.

New 1350mmØ stormwater culvert see FTL Drawing 33097/LF360 for long section. Base of culvert to be embedded 340mm into the ground to provide for fish passage.



NOT FOR CONSTRUCTION

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| SURVEYED |                              |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                           | 14/08/24 |                                |         |          |
| DRAWN    | TB                           | 15/08/24 |                                |         |          |
| CHECKED  | SF                           | 05/11/24 |                                |         |          |
| REVISION | CHANGES                      |          |                                | CHECKED | DATE     |
| A        | ANNOTATION ADDED             |          |                                | SF      | 08/11/24 |
| B        | AREA A2/H REDESIGN           |          |                                | SF      | 23/05/25 |
| C        | UPDATED FISH PASSAGE DETAILS |          |                                | SF      | 30/06/25 |
| D        | CULVERT 3 OUTLET CHANGE      |          |                                | SF      | 20/08/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
AREAS A2/H & CULVERT 3  
PROPOSED FINAL DESIGN PLAN

Fraser  
Thomas

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AUCKLAND

HAWKE'S BAY

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|                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| STATUS                                                                                                                                                                 |             |
| FOR RESOURCE CONSENT                                                                                                                                                   |             |
| Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |             |
| SCALE                                                                                                                                                                  | 1:500 (A3)  |
| DRAWING No                                                                                                                                                             | 33097/LF310 |
| REVISION                                                                                                                                                               | D           |



**Legend**

- Site Boundary
- Deferred Selection Area
- Estimated Existing Landfill Extent
- Existing Ground Levels
- Proposed Ground Levels
- Earthworks Extent
- Extent of Vegetation Removal



Provisional vegetation clearance area, if channel needs extending to tie in with existing channel - to be confirmed on-site.

Proposed contours for final cut and fill levels shown.

Total earthworks area = 0.50ha

Existing Landfill Area H

Existing Landfill Area A1

Existing culvert (to be fully grouted and plugged)

Existing Landfill Area A2

Proposed culvert

**Notes**

- Existing vegetation removal required around existing culvert 3 inlet/outlet are provisional and will depend on the contractor's methodology for getting access to these areas to seal the existing culvert, particularly how they will isolate the works area from the normal stream flows. Any riparian vegetation that has to be removed to facilitate this or is accidentally damaged during the works will be reinstated on works completion.
- Provisional vegetation removal area - only required if stream channel is further to the east of the location indicated by Lidar data.

**NOT FOR CONSTRUCTION**

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| SURVEYED |                    |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                 | 14/08/24 |                                |         |          |
| DRAWN    | TB                 | 15/08/24 |                                |         |          |
| CHECKED  | SF                 | 05/11/24 |                                |         |          |
| REVISION | CHANGES            |          |                                | CHECKED | DATE     |
| A        | AREA A2/H REDESIGN |          |                                | SF      | 23/05/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
INDICATIVE VEGETATION  
REMOVAL PLAN



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TAURANGA 07 220 9277

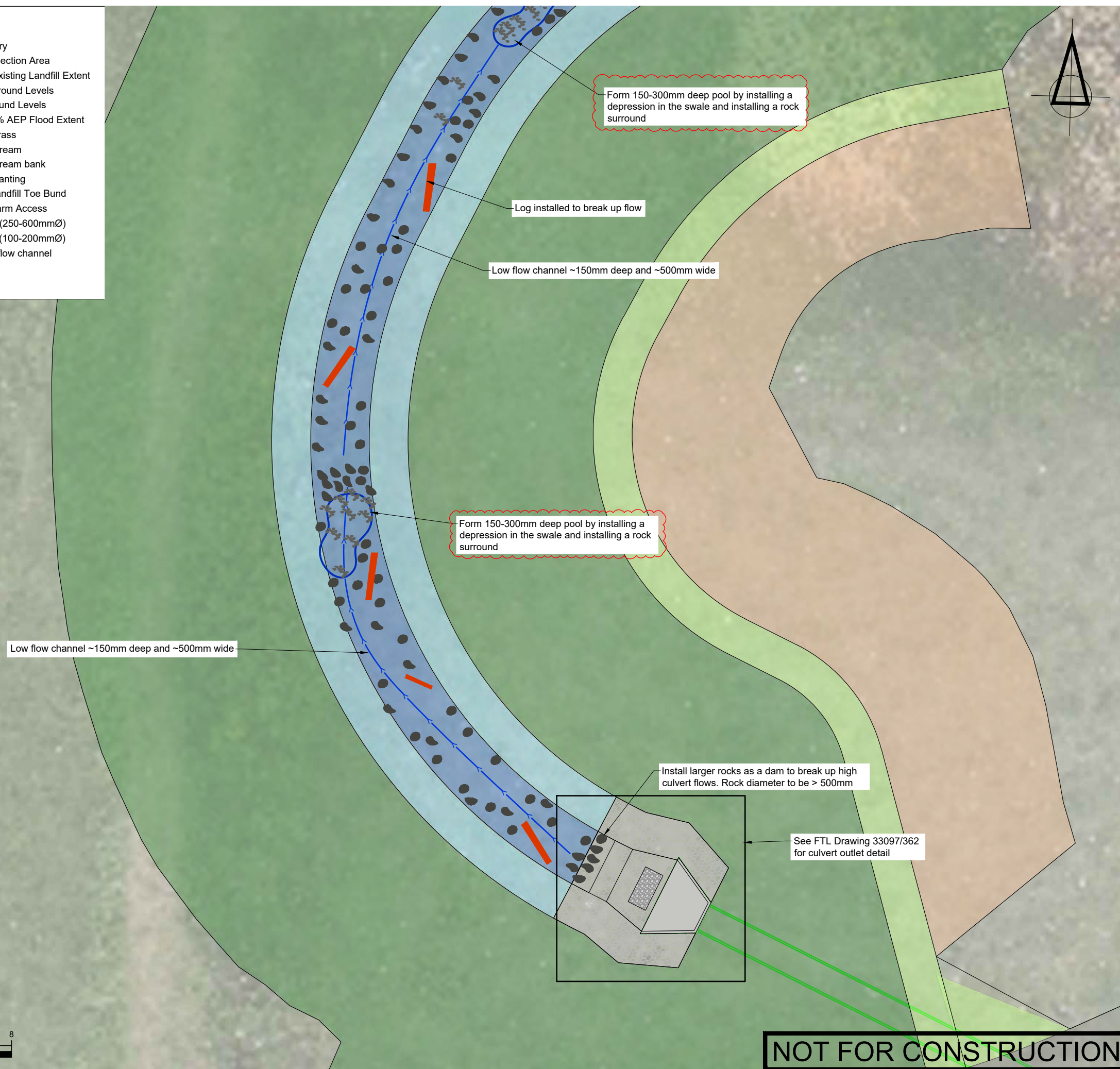
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|                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| STATUS                                                                                                                                                                 |             |
| FOR RESOURCE CONSENT                                                                                                                                                   |             |
| Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |             |
| SCALE                                                                                                                                                                  | 1:500 (A3)  |
| DRAWING No                                                                                                                                                             | 33097/LF311 |
| REVISION                                                                                                                                                               | A           |



|                                                                                   |                                    |
|-----------------------------------------------------------------------------------|------------------------------------|
|  | Site Boundary                      |
|  | Deferred Selection Area            |
|  | Estimated Existing Landfill Extent |
|  | Proposed Ground Levels             |
|  | Existing Ground Levels             |
|  | Proposed 1% AEP Flood Extent       |
|  | Proposed Grass                     |
|  | Proposed Stream                    |
|  | Proposed Stream bank               |
|  | Proposed Planting                  |
|  | Proposed Landfill Toe Bund         |
|  | Proposed Farm Access               |
|  | Large rocks (250-600mmØ)           |
|  | Small rocks (100-200mmØ)           |
|  | Stream low flow channel            |
|  | Water pool                         |
|  | Log                                |

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# TOITU TE WHENUA LAND INFORMATION NEW ZEALAND

PROJECT FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

INDICATIVE STREAM  
CONSTRUCTION PLAN 1

|            |                                                                                                                                                                                                                                                        |  |                      |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------|
| STATUS     | <h1 style="margin: 0;">FOR RESOURCE CONSENT</h1> <p style="margin: 10px 0;">Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.</p> |  |                      |
| SCALE      | 1:200                                                                                                                                                                                                                                                  |  | (A3)                 |
| DRAWING No | 33097/LF312                                                                                                                                                                                                                                            |  | REVISION<br><b>A</b> |



Legend

Site Boundary

Deferred Selection Area

Estimated Existing Landfill Extent

Proposed Ground Levels

Existing Ground Levels

Proposed 1% AEP Flood Extent

Proposed Grass

Proposed Stream

Proposed Stream bank

Proposed Planting

Proposed Landfill Toe Bund

Proposed Farm Access

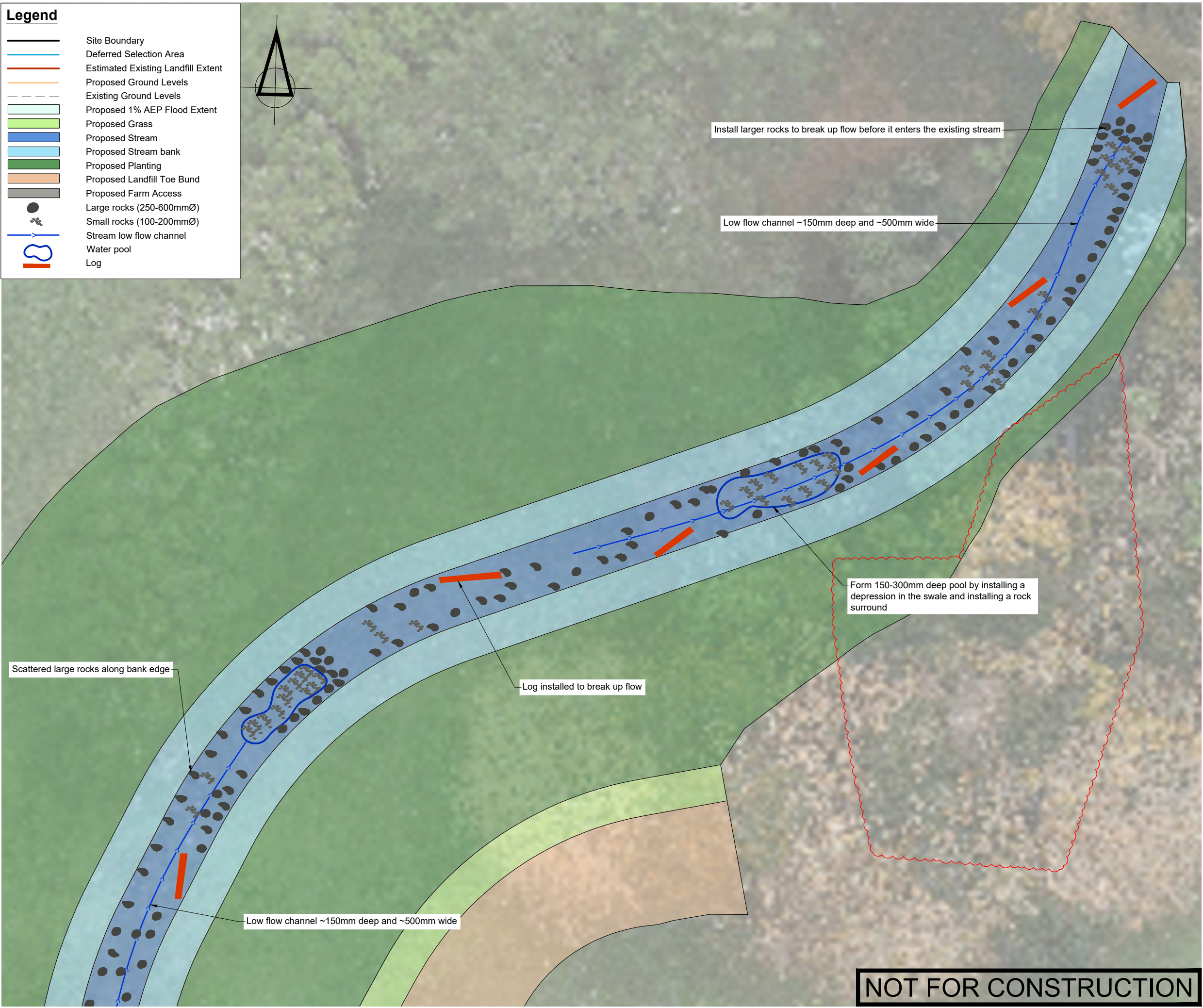
Large rocks (250-600mmØ)

Small rocks (100-200mmØ)

Stream low flow channel

Water pool

Log



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| SURVEYED |                         |          | APPROVED<br><br>SF<br>19/06/25 | DATE    |          |
| DESIGNED | TB                      | 19/06/25 |                                |         |          |
| DRAWN    | TB                      | 19/06/25 |                                |         |          |
| CHECKED  | SF                      | 19/06/25 |                                |         |          |
| REVISION | CHANGES                 |          |                                | CHECKED | DATE     |
| A        | CULVERT 3 OUTLET CHANGE |          |                                | SF      | 20/08/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: ..... New Zealand Vertical Datum 2016  
COORDINATE: ..... New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
INDICATIVE STREAM  
CONSTRUCTION PLAN 2

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STATUS  
FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:200 (A3)

DRAWING No 33097/LF313 REVISION A



Legend

Site Boundary

Deferred Selection Area

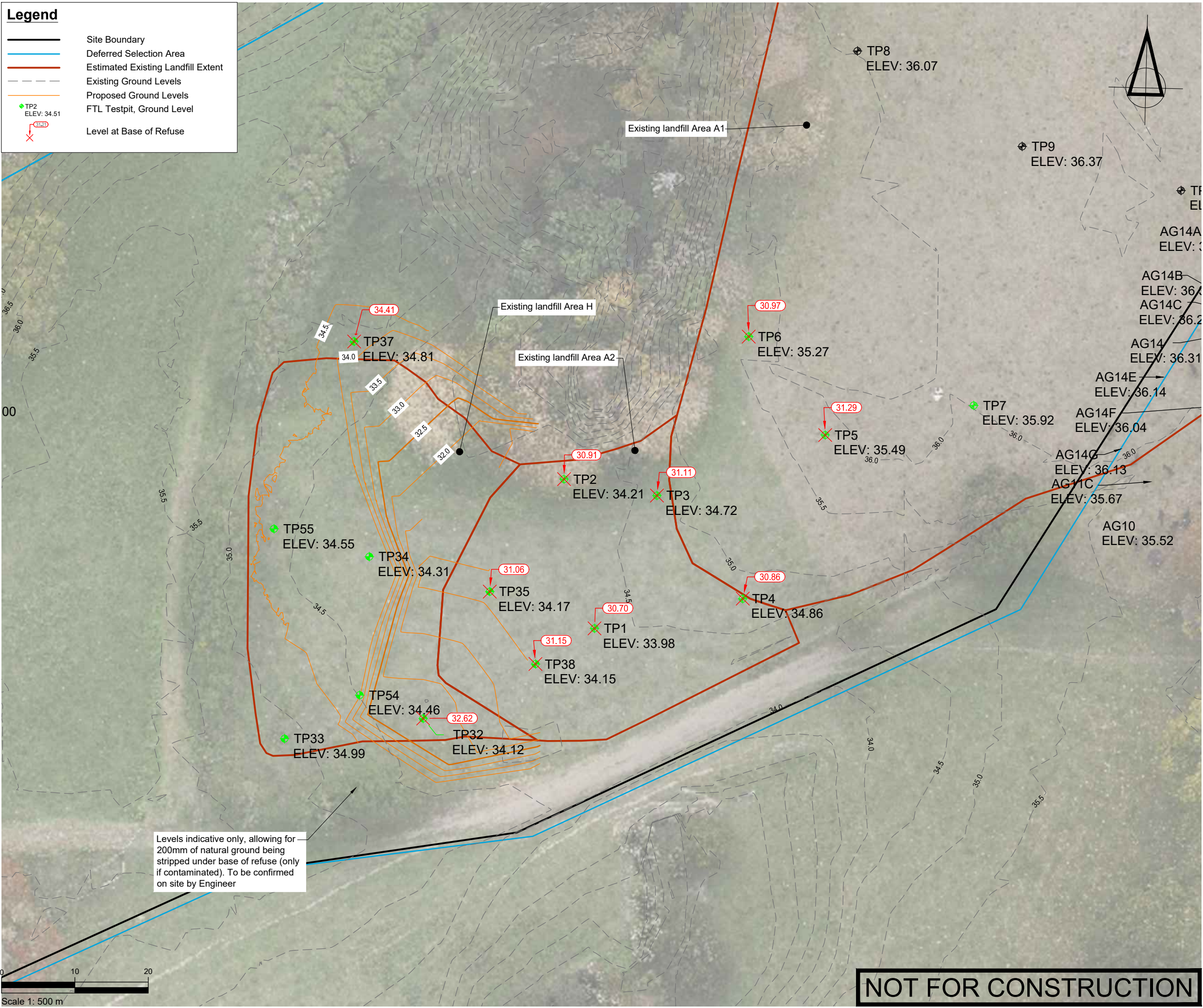
Estimated Existing Landfill Extent

Existing Ground Levels

Proposed Ground Levels

FTL Testpit, Ground Level

Level at Base of Refuse



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| SURVEYED | TB                 | 14/08/24 | APPROVED | SF      | DATE     |
| DRAWN    | TB                 | 21/08/24 |          |         |          |
| CHECKED  | SF                 | 05/11/24 |          |         |          |
| REVISION | CHANGES            |          |          | CHECKED | DATE     |
| A        | AREA A2/H REDESIGN |          |          | SF      | 23/05/25 |
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NOTES

PROJECT DATUMS:  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

AREAS A2/H & CULVERT 3  
REFUSE UNDERCUT PLAN

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STATUS

FOR RESOURCE CONSENT

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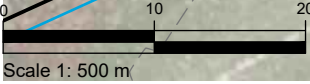
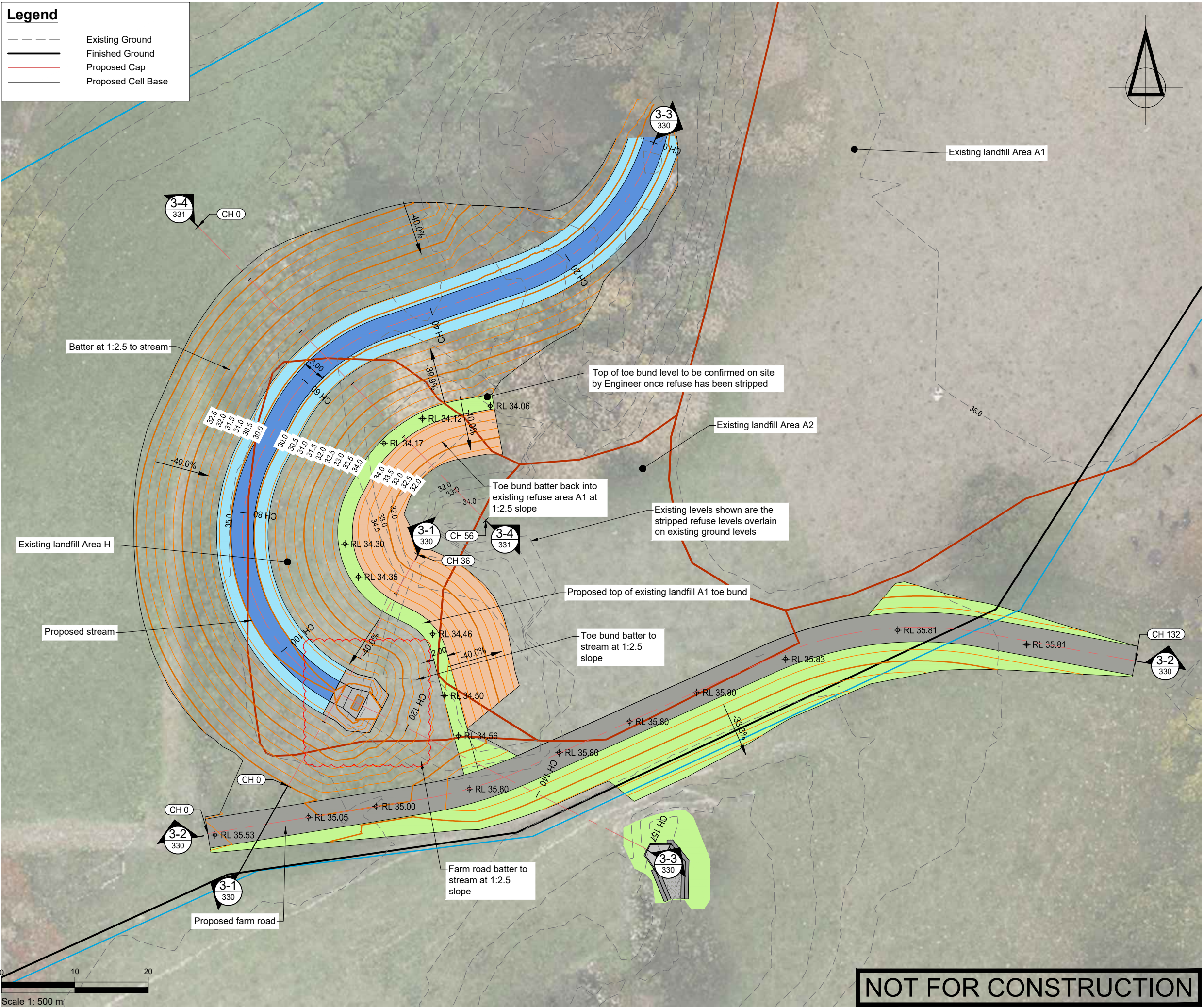
SCALE 1:500 (A3)

DRAWING No 33097/LF320 REVISION A



**Legend**

- Existing Ground
- Finished Ground
- Proposed Cap
- Proposed Cell Base



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| SURVEYED | TB                      | 14/08/24 | APPROVED | SF      | DATE     |
| DRAWN    | TB                      | 21/08/24 |          |         |          |
| CHECKED  | SF                      | 05/11/24 |          |         |          |
| REVISION | CHANGES                 |          |          | CHECKED | DATE     |
| A        | AREA A2/H REDESIGN      |          |          | SF      | 23/05/25 |
| B        | CULVERT 3 OUTLET CHANGE |          |          | SF      | 20/08/25 |
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NOTES

**PROJECT DATUMS:**  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
**TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND**

PROJECT  
**FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT**

TITLE  
**AREAS A2/H & CULVERT 3  
FINISHED LEVELS PLAN**



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STATUS  
**FOR RESOURCE CONSENT**  
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:500 (A3)

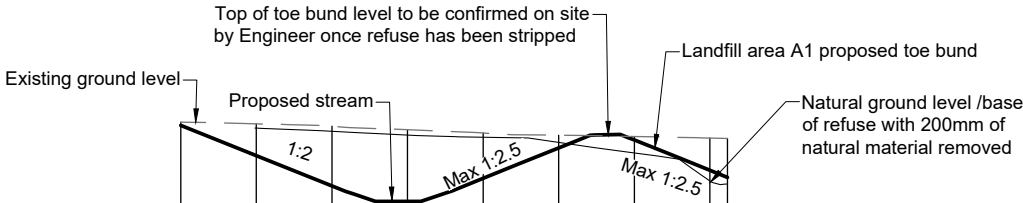
DRAWING No 33097/LF321 REVISION B

**NOT FOR CONSTRUCTION**

P:\33 series\33097\03 Drawings\33097-LF321-LF330-LF331.dwg, tboiles, 20/8/2025 4:01 pm



P:\333 series\33097\03 Drawings\33097-LF321-LF330-LF331.dwg, tbohes, 20/8/2025 4:02 pm



DATUM: 26.00

|                  |       |       |       |       |       |       |       |       |       |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| EXISTING LEVELS  | 35.24 | 35.12 | 34.97 | 34.74 | 34.53 | 34.37 | 34.29 | 34.19 | 34.16 |
| FINISHED LEVELS  | 35.03 | 33.03 | 31.03 | 30.00 | 31.52 | 33.54 | 34.06 | 32.06 | 31.59 |
| BASE OF UNDERCUT |       | 34.85 | 34.63 | 34.38 | 34.24 | 33.90 | 33.20 | 31.35 | 31.18 |
| CHAINAGE         | 0     | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 36    |

3-1 Cross Section 3-1  
321 1:500

DATUM: 32.00

|                 |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| CUT/FILL DEPTHS | -0.07 | -0.06 | -0.17 | -0.17 | -0.02 | 0.03  | 0.52  | 1.09  | 1.24  | 1.46  | 1.69  | 1.66  | 1.63  | 1.58  | 1.67  | 1.56  | 1.50  | 1.40  | 1.29  | 1.19  | 1.17  | 0.95  | 0.87  | 0.68  | 0.51  | 0.30  | 0.08  | 0.01  |
| DESIGN LEVELS   | 35.55 | 35.37 | 35.19 | 35.01 | 35.00 | 35.00 | 35.20 | 35.70 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 | 35.80 |
| EXISTING LEVELS | 35.62 | 35.43 | 35.36 | 35.19 | 35.02 | 34.97 | 34.68 | 34.61 | 34.56 | 34.34 | 34.11 | 34.14 | 34.17 | 34.22 | 34.13 | 34.24 | 34.30 | 34.40 | 34.51 | 34.61 | 34.63 | 34.85 | 34.93 | 35.12 | 35.29 | 35.50 | 35.72 | 35.79 |
| CHAINAGE        | 0     | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   | 105   | 110   | 115   | 120   | 125   | 130   | 132   |

Grades: -3.6%, 0.0%, 10.0%, 0.0%, 0.0%

3-2 Cross Section 3-2  
321 1:500

DATUM: 26.00

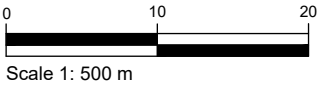
|                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
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| EXISTING LEVELS  | 31.04 | 31.22 | 31.48 | 32.03 | 32.91 | 33.73 | 34.27 | 34.56 | 35.02 | 34.99 | 34.91 | 34.76 | 34.71 | 34.80 | 34.88 | 34.86 | 34.83 | 34.82 | 34.74 | 34.81 | 34.83 | 34.80 | 34.74 | 34.46 | 34.31 | 34.21 | 34.11 | 34.52 | 34.55 | 33.71 | 33.38 | 32.62 | 31.82 |
| FINISHED LEVELS  | 29.70 | 29.71 | 29.73 | 29.74 | 29.75 | 29.77 | 29.78 | 29.80 | 29.81 | 29.82 | 29.84 | 29.85 | 29.86 | 29.88 | 29.89 | 29.90 | 29.92 | 29.93 | 29.95 | 29.96 | 29.97 | 29.99 | 29.99 | 29.66 | 33.01 | 34.29 | 35.42 | 35.80 | 35.23 |       |       | 32.62 | 31.82 |
| BASE OF UNDERCUT |       |       |       |       |       |       |       |       |       | 34.29 | 34.20 | 34.26 | 34.51 | 34.62 | 34.67 | 34.65 |       |       | 34.58 | 34.60 | 34.55 | 34.52 | 34.40 | 32.39 | 32.42 | 32.41 | 32.57 |       |       |       |       |       |       |
| CHAINAGE         | 0     | 5     | 10    | 15    | 20    | 25    | 30    | 35    | 40    | 45    | 50    | 55    | 60    | 65    | 70    | 75    | 80    | 85    | 90    | 95    | 100   | 105   | 110   | 115   | 120   | 125   | 130   | 135   | 140   | 145   | 150   | 155   | 157   |

Proposed stream

Existing ground level

Proposed farm road

3-3 Cross Section 3-3  
321 1:750



NOT FOR CONSTRUCTION

|          |                    |          |                                |         |          |
|----------|--------------------|----------|--------------------------------|---------|----------|
| SURVEYED |                    |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                 | 14/08/24 |                                |         |          |
| DRAWN    | TB                 | 21/08/24 |                                |         |          |
| CHECKED  | SF                 | 05/11/24 |                                |         |          |
| REVISION | CHANGES            |          |                                | CHECKED | DATE     |
| A        | AREA A2/H REDESIGN |          |                                | SF      | 23/05/25 |
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NOTES

PROJECT DATUMS:  
LEVEL: ..... New Zealand Vertical Datum 2016  
COORDINATE: ..... New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
AREAS A2/H & CULVERT 3  
CROSS SECTION PLAN 1

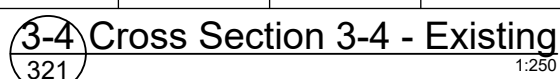
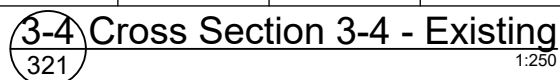
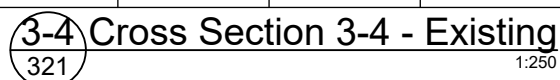
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CHRISTCHURCH ..... 03 358 5936  
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NELSON ..... 03 222 1132  
TAURANGA ..... 07 220 9277  
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FOR RESOURCE CONSENT  
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE AS SHOWN (A3)  
DRAWING No 33097/LF330 REVISION A



|                                                                                   |                            |
|-----------------------------------------------------------------------------------|----------------------------|
|  | Natural ground             |
|  | Proposed toe bund          |
|  | Proposed compacted clay    |
|  | Existing landfill          |
|  | Proposed landfill material |
|  | Landfill cap               |



NOT FOR CONSTRUCTION

[illegible]

NOTES

**PROJECT DATUMS:**

LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

| TITLE           | DATE       | TIME  | LOCATION | STATUS |
|-----------------|------------|-------|----------|--------|
| 1. [illegible]  | 10/10/2010 | 10:00 | 101      | OK     |
| 2. [illegible]  | 10/10/2010 | 11:00 | 101      | OK     |
| 3. [illegible]  | 10/10/2010 | 12:00 | 101      | OK     |
| 4. [illegible]  | 10/10/2010 | 13:00 | 101      | OK     |
| 5. [illegible]  | 10/10/2010 | 14:00 | 101      | OK     |
| 6. [illegible]  | 10/10/2010 | 15:00 | 101      | OK     |
| 7. [illegible]  | 10/10/2010 | 16:00 | 101      | OK     |
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| 13. [illegible] | 10/10/2010 | 22:00 | 101      | OK     |
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| 38. [illegible] | 10/10/2010 | 23:00 | 101      | OK     |
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| 62. [illegible] | 10/10/2010 | 23:00 | 101      | OK     |
| 63. [illegible] | 10/10/2010 | 00:00 | 101      | OK     |
| 64. [illegible] | 10/10/2010 | 01:00 | 101      | OK     |
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AREAS A2/H & CULVERT 3  
CROSS SECTION PLAN 2



ENGINEERS • RESOURCE MANAGERS • SURVEYORS

|              |             |
|--------------|-------------|
| AUCKLAND     | 09 278 7078 |
| HAWKE'S BAY  | 06 211 2766 |
| CHRISTCHURCH | 03 358 5936 |
| BLenheim     | 03 428 3292 |
| NELSON       | 03 222 1132 |
| TAURANGA     | 07 220 9277 |

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STATUS

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SCALE 1:250 (A3)

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| DRAWING No | REVISION |
|------------|----------|

33097/LF331

REVISION

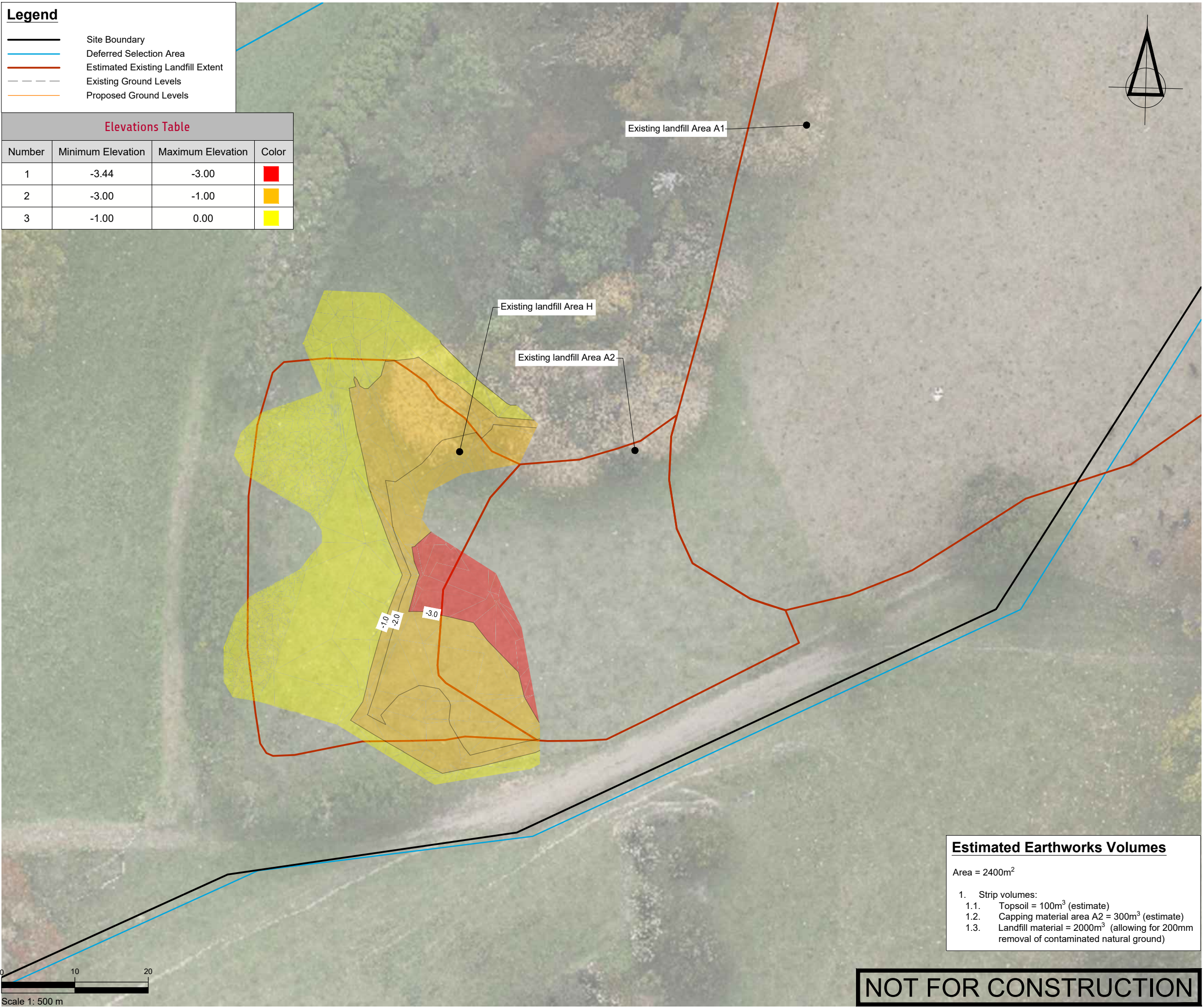
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**Legend**

- Site Boundary
- Deferred Selection Area
- Estimated Existing Landfill Extent
- Existing Ground Levels
- Proposed Ground Levels

| Elevations Table |                   |                   |       |
|------------------|-------------------|-------------------|-------|
| Number           | Minimum Elevation | Maximum Elevation | Color |
| 1                | -3.44             | -3.00             |       |
| 2                | -3.00             | -1.00             |       |
| 3                | -1.00             | 0.00              |       |



**Estimated Earthworks Volumes**

Area = 2400m<sup>2</sup>

1. Strip volumes:

- 1.1. Topsoil = 100m<sup>3</sup> (estimate)
- 1.2. Capping material area A2 = 300m<sup>3</sup> (estimate)
- 1.3. Landfill material = 2000m<sup>3</sup> (allowing for 200mm removal of contaminated natural ground)

NOT FOR CONSTRUCTION

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| SURVEYED |                    |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                 | 14/08/24 |                                |         |          |
| DRAWN    | TB                 | 21/08/24 |                                |         |          |
| CHECKED  | SF                 | 05/11/24 |                                |         |          |
| REVISION | CHANGES            |          |                                | CHECKED | DATE     |
| A        | AREA A2/H REDESIGN |          |                                | SF      | 23/05/25 |
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NOTES

**PROJECT DATUMS:**

LEVEL: ..... New Zealand Vertical Datum 2016

COORDINATE: ..... New Zealand Transverse Mercator

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INFORMATION NEW ZEALAND

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

AREAS A2/H & CULVERT 3  
UNDERCUT STRIP PLAN

 **Fraser Thomas**

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

AUCKLAND ..... 09 278 7078

HAWKE'S BAY ..... 06 211 2766

CHRISTCHURCH ..... 03 358 5936

BLenheim ..... 03 428 3292

NELSON ..... 03 222 1132

TAURANGA ..... 07 220 9277

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STATUS

**FOR RESOURCE CONSENT**

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:500 (A3)

DRAWING No 33097/LF340 REVISION A



Legend

Site Boundary

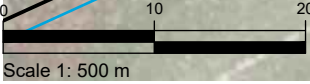
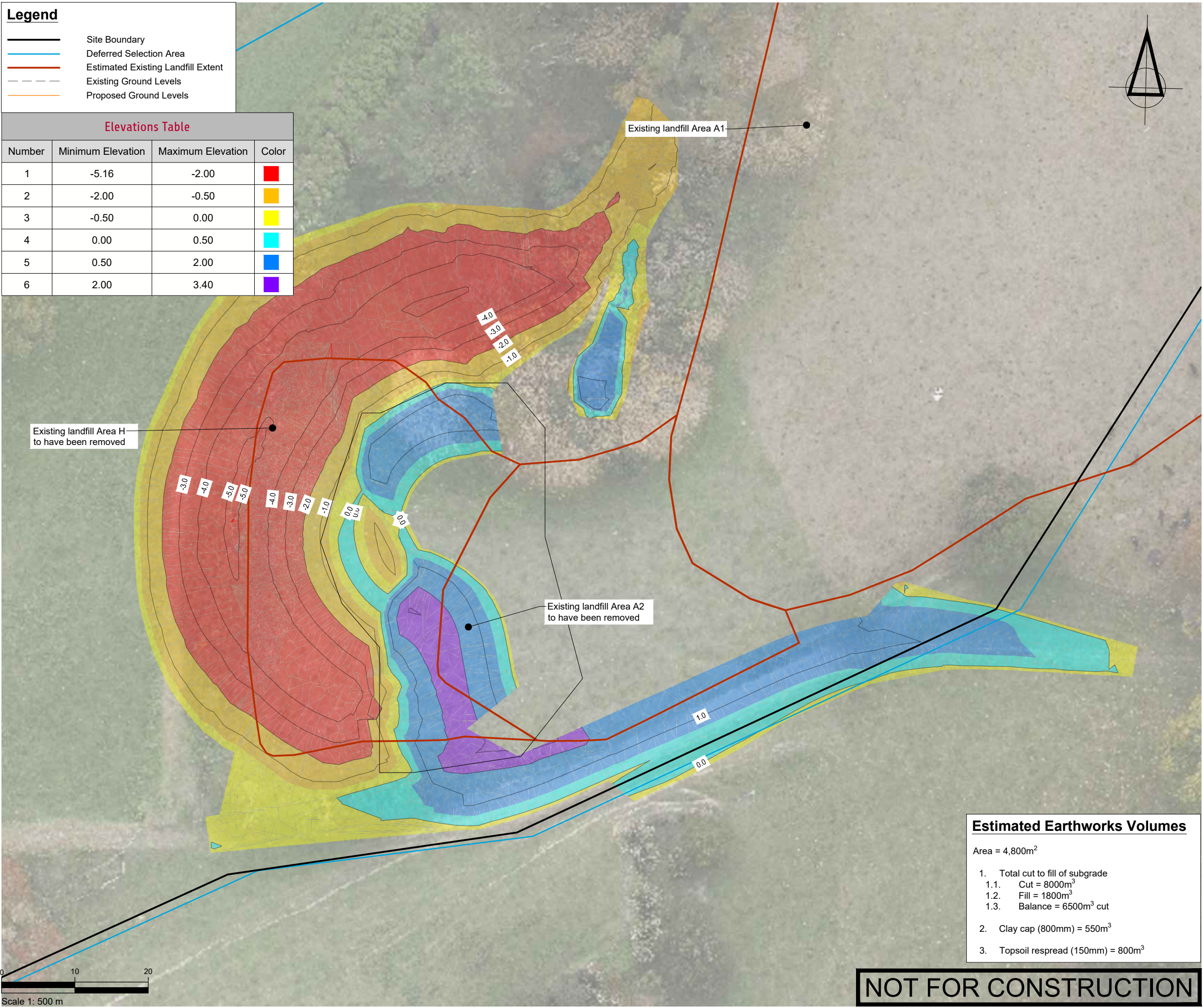
Deferred Selection Area

Estimated Existing Landfill Extent

Existing Ground Levels

Proposed Ground Levels

| Elevations Table |                   |                   |       |
|------------------|-------------------|-------------------|-------|
| Number           | Minimum Elevation | Maximum Elevation | Color |
| 1                | -5.16             | -2.00             |       |
| 2                | -2.00             | -0.50             |       |
| 3                | -0.50             | 0.00              |       |
| 4                | 0.00              | 0.50              |       |
| 5                | 0.50              | 2.00              |       |
| 6                | 2.00              | 3.40              |       |



Estimated Earthworks Volumes

Area = 4,800m<sup>2</sup>

- Total cut to fill of subgrade
  - Cut = 8000m<sup>3</sup>
  - Fill = 1800m<sup>3</sup>
  - Balance = 6500m<sup>3</sup> cut
- Clay cap (800mm) = 550m<sup>3</sup>
- Topsoil respread (150mm) = 800m<sup>3</sup>

NOT FOR CONSTRUCTION

|          |                    |          |                                |         |          |
|----------|--------------------|----------|--------------------------------|---------|----------|
| SURVEYED |                    |          | APPROVED<br><br>SF<br>05/11/24 | DATE    |          |
| DESIGNED | TB                 | 14/08/24 |                                |         |          |
| DRAWN    | TB                 | 21/08/24 |                                |         |          |
| CHECKED  | SF                 | 05/11/24 |                                |         |          |
| REVISION | CHANGES            |          |                                | CHECKED | DATE     |
| A        | AREA A2/H REDESIGN |          |                                | SF      | 23/05/25 |
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NOTES

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LEVEL: ..... New Zealand Vertical Datum 2016  
COORDINATE: ..... New Zealand Transverse Mercator

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INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
AREAS A2/H & CULVERT 3  
FINAL LEVELS CUT AND FILL  
PLAN

Fraser  
Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

AUCKLAND ..... 09 278 7078  
HAWKE'S BAY ..... 06 211 2766  
CHRISTCHURCH ..... 03 358 5936  
BLENHEIM ..... 03 428 3292  
NELSON ..... 03 222 1132  
TAURANGA ..... 07 220 9277

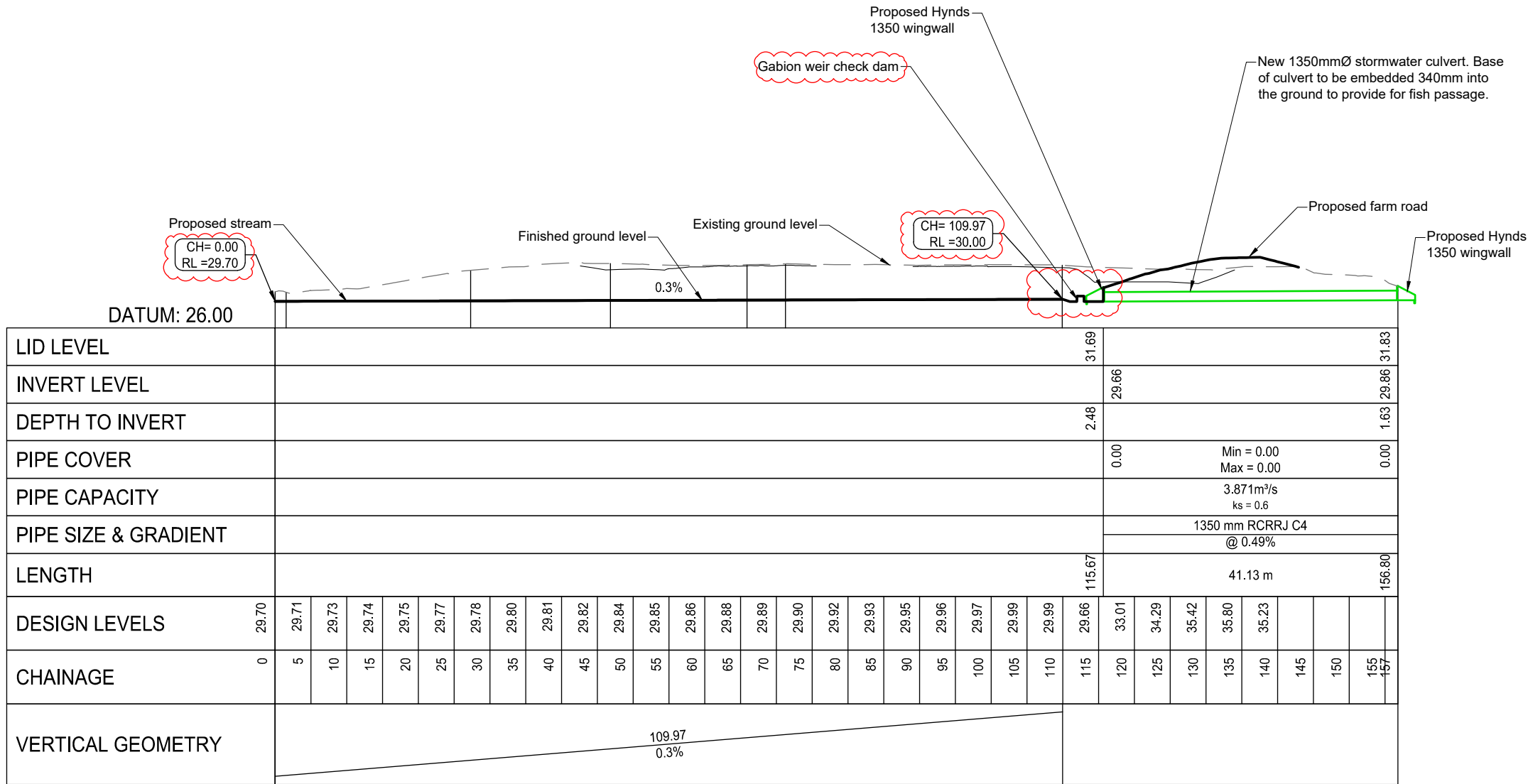
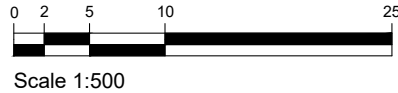
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|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| STATUS<br>FOR RESOURCE CONSENT<br>Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated. |            |
| SCALE 1:500                                                                                                                                                                                              | (A3)       |
| DRAWING No 33097/LF341                                                                                                                                                                                   | REVISION A |



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L1 Stormwater Long Section 1  
360 1:750

NOT FOR CONSTRUCTION

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|----------|------------------------------|----------|--------------------------------|----------|
| SURVEYED |                              |          | APPROVED<br><br>SF<br>05/11/24 | DATE     |
| DESIGNED | TB                           | 14/08/24 |                                |          |
| DRAWN    | TB                           | 21/08/24 |                                |          |
| CHECKED  | SF                           | 05/11/24 |                                |          |
| REVISION | CHANGES                      |          | CHECKED                        | DATE     |
| A        | ANNOTATION ADDED             |          | SF                             | 08/11/24 |
| B        | AREA A2/H REDESIGN           |          | SF                             | 23/05/25 |
| C        | UPDATED FISH PASSAGE DETAILS |          | SF                             | 30/06/25 |
| D        | CULVERT 3 OUTLET CHANGE      |          | SF                             | 20/08/25 |
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NOTES

PROJECT DATUMS:  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
AREAS A2/H & CULVERT 3  
CULVERT LONG SECTION PLAN

Fraser Thomas

ENGINEERS • RESOURCE MANAGERS • SURVEYORS

AUCKLAND 09 278 7078  
HAWKE'S BAY 06 211 2766  
CHRISTCHURCH 03 358 5936  
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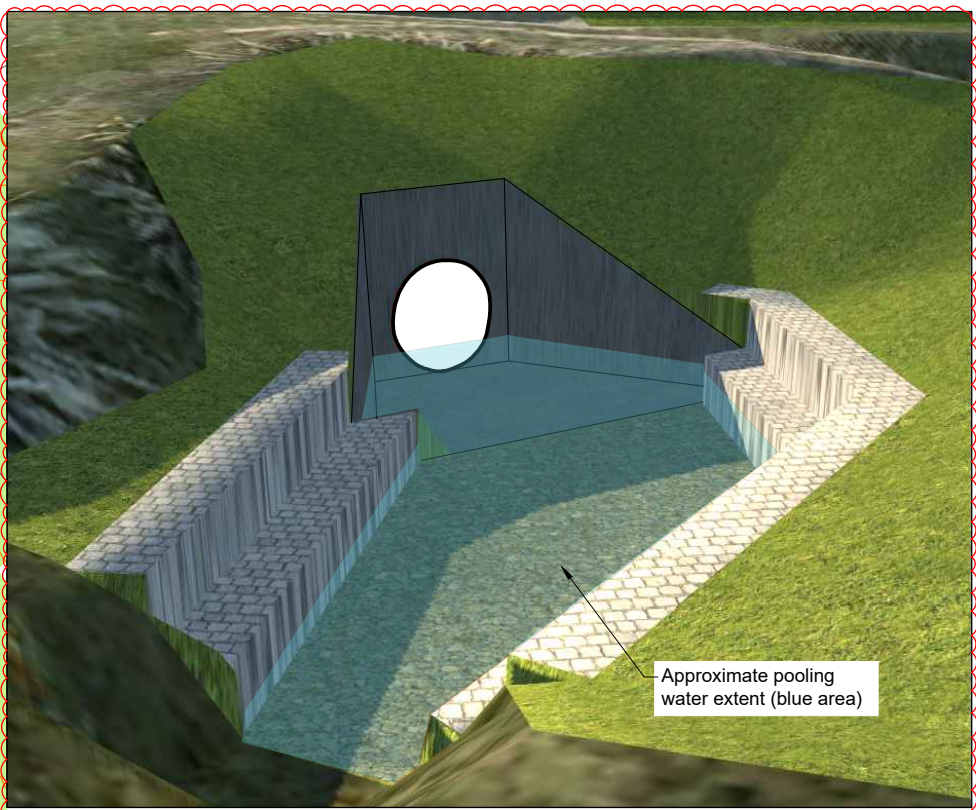
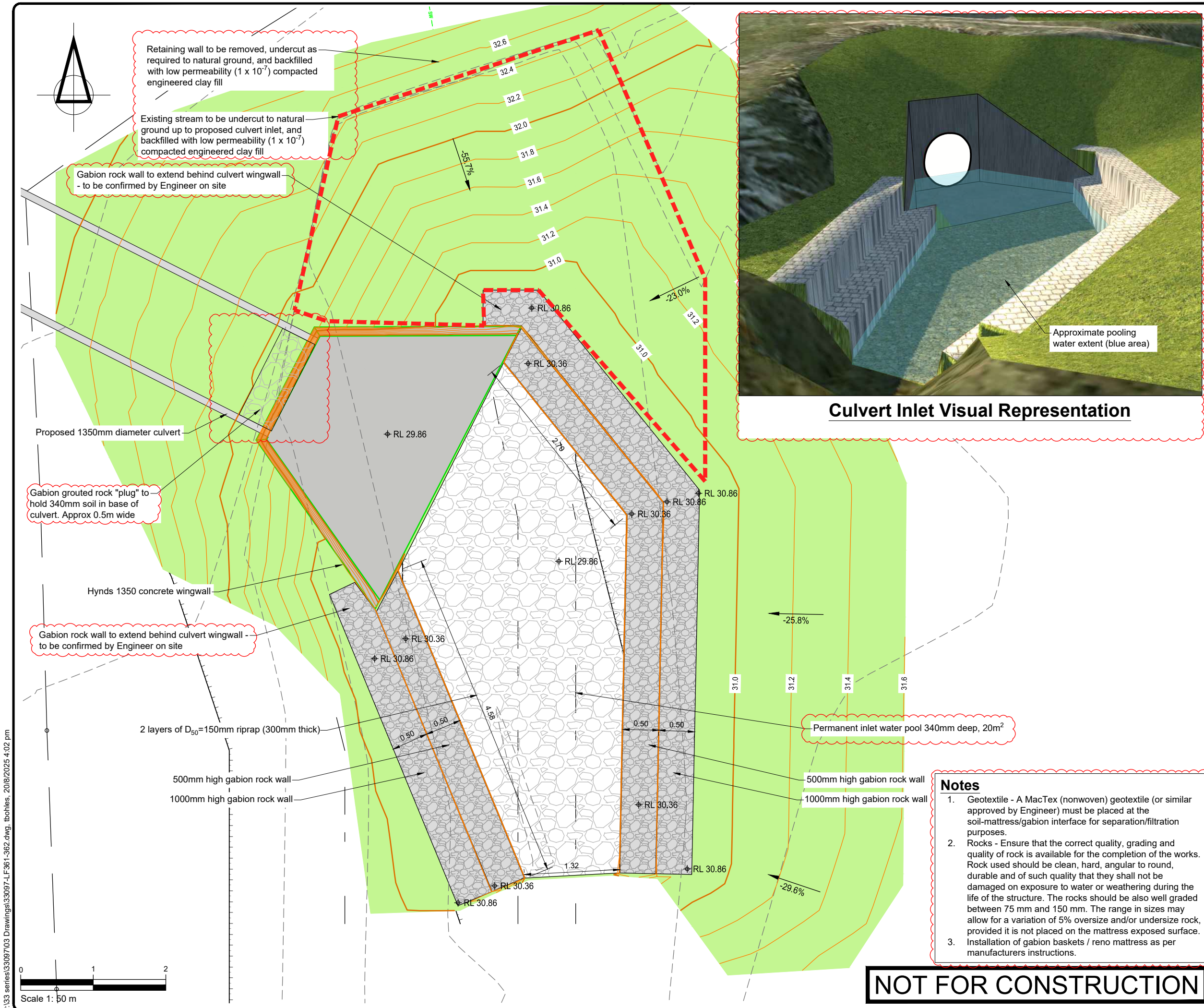
STATUS  
FOR RESOURCE CONSENT

Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:750 (A3)

DRAWING No 33097/LF360 REVISION D





Culvert Inlet Visual Representation

|          |                         |          |          |          |
|----------|-------------------------|----------|----------|----------|
| SURVEYED |                         |          | APPROVED | DATE     |
| DESIGNED | TB                      | 14/08/24 | SF       | 23/05/25 |
| DRAWN    | TB                      | 23/05/25 |          |          |
| CHECKED  | SF                      | 23/05/25 |          |          |
| REVISION | CHANGES                 |          | CHECKED  | DATE     |
| A        | CULVERT 3 OUTLET CHANGE |          | SF       | 20/08/25 |
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NOTES

PROJECT DATUMS:  
LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

CLIENT  
TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE  
AREAS A2/H & CULVERT 3  
CULVERT INLET DETAIL



Fraser  
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STATUS  
FOR RESOURCE CONSENT  
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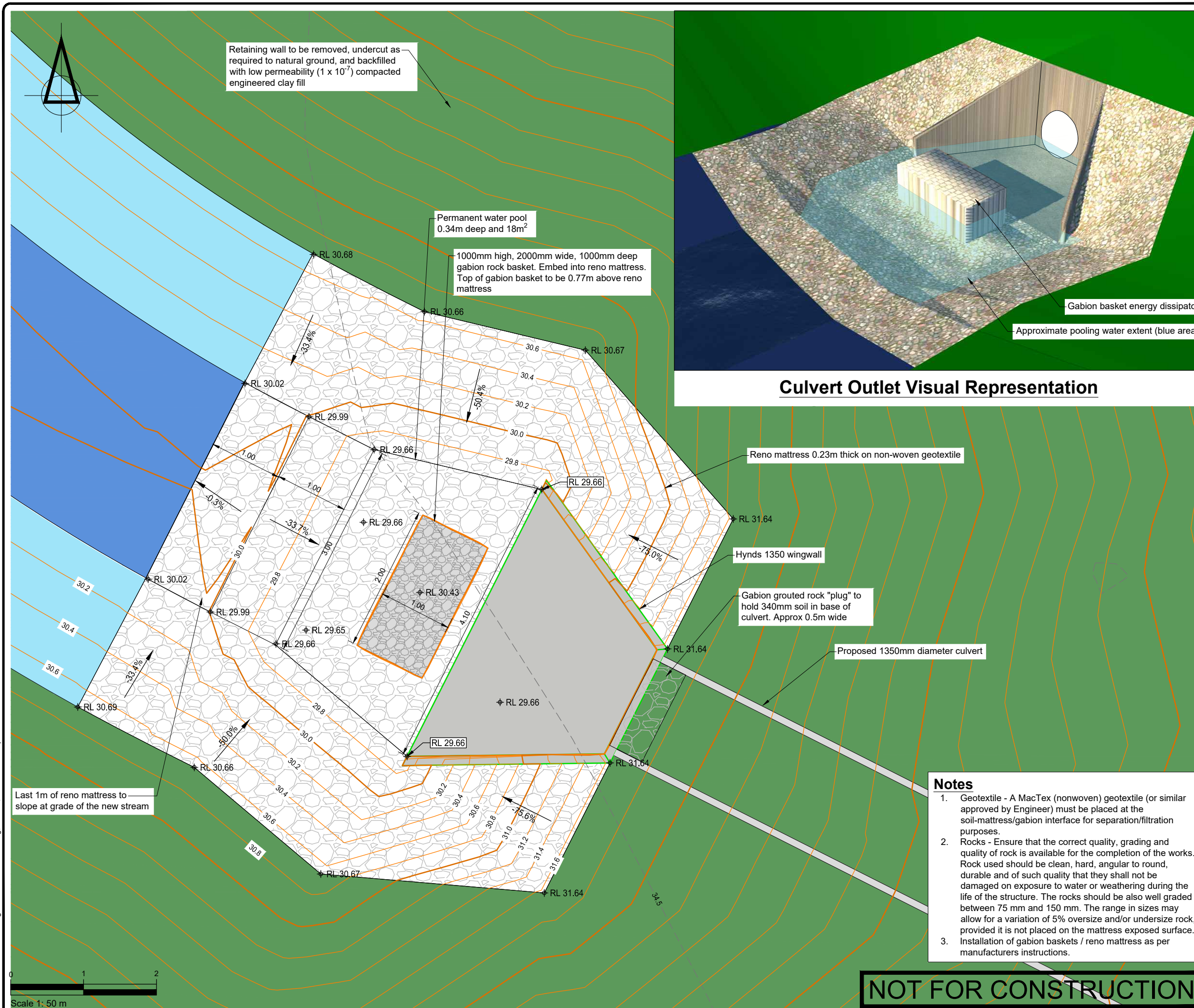
SCALE 1:50 (A3)  
DRAWING No 33097/LF361  
REVISION A

- Notes
- Geotextile - A MacTex (nonwoven) geotextile (or similar approved by Engineer) must be placed at the soil-mattress/gabion interface for separation/filtration purposes.
  - Rocks - Ensure that the correct quality, grading and quality of rock is available for the completion of the works. Rock used should be clean, hard, angular to round, durable and of such quality that they shall not be damaged on exposure to water or weathering during the life of the structure. The rocks should be also well graded between 75 mm and 150 mm. The range in sizes may allow for a variation of 5% oversize and/or undersize rock, provided it is not placed on the mattress exposed surface.
  - Installation of gabion baskets / reno mattress as per manufacturers instructions.

NOT FOR CONSTRUCTION

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## Culvert Outlet Visual Representation

[illegible]

CLIENT

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

TITLE

AREAS A2/H & CULVERT 3  
CULVERT OUTLET DETAIL



# Fraser Thomas

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|              |             |
|--------------|-------------|
| AUCKLAND     | 09 278 7078 |
| HAWKE'S BAY  | 06 211 2766 |
| CHRISTCHURCH | 03 358 5936 |
| BLENHEIM     | 03 428 3292 |
| NELSON       | 03 222 1132 |
| TAURANGA     | 07 220 9277 |

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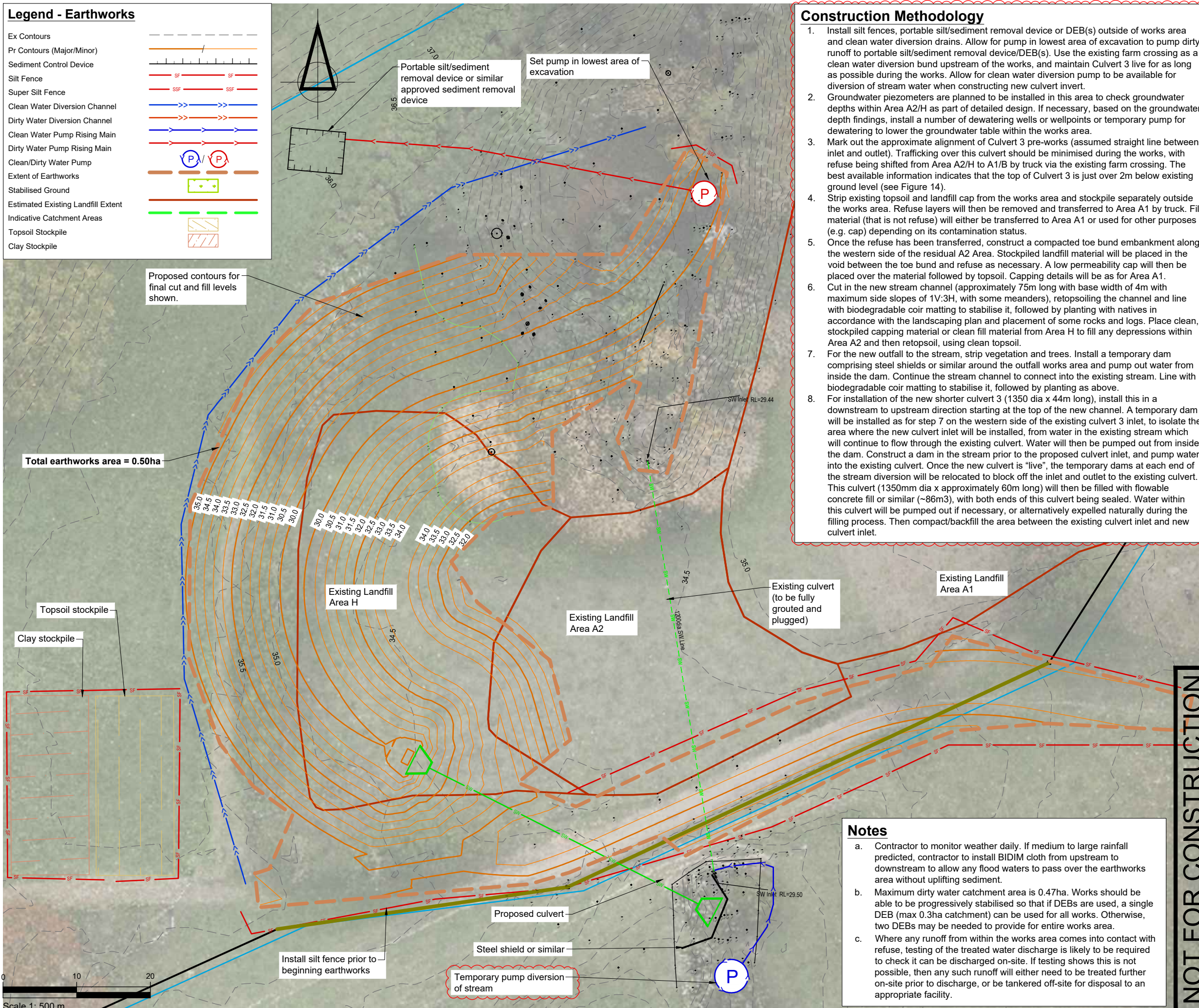
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- ## Notes
1. Geotextile - A MacTex (nonwoven) geotextile (or similar approved by Engineer) must be placed at the soil-mattress/gabion interface for separation/filtration purposes.
  2. Rocks - Ensure that the correct quality, grading and quality of rock is available for the completion of the works. Rock used should be clean, hard, angular to round, durable and of such quality that they shall not be damaged on exposure to water or weathering during the life of the structure. The rocks should be also well graded between 75 mm and 150 mm. The range in sizes may allow for a variation of 5% oversize and/or undersize rock, provided it is not placed on the mattress exposed surface.
  3. Installation of gabion baskets / reno mattress as per manufacturers instructions.

**NOT FOR CONSTRUCTION**



|                                    |                                                                                   |
|------------------------------------|-----------------------------------------------------------------------------------|
| Ex Contours                        |  |
| Pr Contours (Major/Minor)          |  |
| Sediment Control Device            |  |
| Silt Fence                         |  |
| Super Silt Fence                   |  |
| Clean Water Diversion Channel      |  |
| Dirty Water Diversion Channel      |  |
| Clean Water Pump Rising Main       |  |
| Dirty Water Pump Rising Main       |  |
| Clean/Dirty Water Pump             |  |
| Extent of Earthworks               |  |
| Stabilised Ground                  |  |
| Estimated Existing Landfill Extent |  |
| Indicative Catchment Areas         |  |
| Topsoil Stockpile                  |  |
| Clay Stockpile                     |  |



1. Install silt fences, portable silt/sediment removal device or DEB(s) outside of works area and clean water diversion drains. Allow for pump in lowest area of excavation to pump dirty runoff to portable silt/sediment removal device/DEB(s). Use the existing farm crossing as a clean water diversion bund upstream of the works, and maintain Culvert 3 live for as long as possible during the works. Allow for clean water diversion pump to be available for diversion of stream water when constructing new culvert inlet.
2. Groundwater piezometers are planned to be installed in this area to check groundwater depths within Area A2/H as part of detailed design. If necessary, based on the groundwater depth findings, install a number of dewatering wells or wellpoints or temporary pump for dewatering to lower the groundwater table within the works area.
3. Mark out the approximate alignment of Culvert 3 pre-works (assumed straight line between inlet and outlet). Trafficking over this culvert should be minimised during the works, with refuse being shifted from Area A2/H to A1/B by truck via the existing farm crossing. The best available information indicates that the top of Culvert 3 is just over 2m below existing ground level (see Figure 14).
4. Strip existing topsoil and landfill cap from the works area and stockpile separately outside the works area. Refuse layers will then be removed and transferred to Area A1 by truck. Fill material (that is not refuse) will either be transferred to Area A1 or used for other purposes (e.g. cap) depending on its contamination status.
5. Once the refuse has been transferred, construct a compacted toe bund embankment along the western side of the residual A2 Area. Stockpiled landfill material will be placed in the void between the toe bund and refuse as necessary. A low permeability cap will then be placed over the material followed by topsoil. Capping details will be as for Area A1.
6. Cut in the new stream channel (approximately 75m long with base width of 4m with maximum side slopes of 1V:3H, with some meanders), retopsoiling the channel and line with biodegradable coir matting to stabilise it, followed by planting with natives in accordance with the landscaping plan and placement of some rocks and logs. Place clean, stockpiled capping material or clean fill material from Area H to fill any depressions within Area A2 and then retopsoil, using clean topsoil.
7. For the new outlet to the stream, strip vegetation and trees. Install a temporary dam comprising steel shields or similar around the outfall works area and pump out water from inside the dam. Continue the stream channel to connect into the existing stream. Line with biodegradable coir matting to stabilise it, followed by planting as above.
8. For installation of the new shorter culvert 3 (1350 dia x 44m long), install this in a downstream to upstream direction starting at the top of the new channel. A temporary dam will be installed as for step 7 on the western side of the existing culvert 3 inlet, to isolate the area where the new culvert inlet will be installed, from water in the existing stream which will continue to flow through the existing culvert. Water will then be pumped out from inside the dam. Construct a dam in the stream prior to the proposed culvert inlet, and pump water into the existing culvert. Once the new culvert is "live", the temporary dams at each end of the stream diversion will be relocated to block off the inlet and outlet to the existing culvert. This culvert (1350mm dia x approximately 60m long) will then be filled with flowable concrete fill or similar (~86m3), with both ends of this culvert being sealed. Water within this culvert will be pumped out if necessary, or alternatively expelled naturally during the filling process. Then compact/backfill the area between the existing culvert inlet and new culvert inlet.

- a. Contractor to monitor weather daily. If medium to large rainfall predicted, contractor to install BIDIM cloth from upstream to downstream to allow any flood waters to pass over the earthworks area without uplifting sediment.
- b. Maximum dirty water catchment area is 0.47ha. Works should be able to be progressively stabilised so that if DEBs are used, a single DEB (max 0.3ha catchment) can be used for all works. Otherwise, two DEBs may be needed to provide for entire works area.
- c. Where any runoff from within the works area comes into contact with refuse, testing of the treated water discharge is likely to be required to check it can be discharged on-site. If testing shows this is not possible, then any such runoff will either need to be treated further on-site prior to discharge, or be tankered off-site for disposal to an appropriate facility.

[illegible]

| No. | Name of the respondent | Age | Gender | Marital status | Occupation  |
|-----|------------------------|-----|--------|----------------|-------------|
| 1   | Mr. A. B. C.           | 45  | Male   | Married        | Teacher     |
| 2   | Mr. D. E. F.           | 32  | Male   | Single         | Engineer    |
| 3   | Mr. G. H. I.           | 58  | Male   | Married        | Retired     |
| 4   | Mr. J. K. L.           | 28  | Male   | Single         | Student     |
| 5   | Mr. M. N. O.           | 65  | Male   | Married        | Farmer      |
| 6   | Mr. P. Q. R.           | 40  | Male   | Married        | Businessman |
| 7   | Mr. S. T. U.           | 35  | Male   | Single         | Doctor      |
| 8   | Mr. V. W. X.           | 50  | Male   | Married        | Manager     |
| 9   | Mr. Y. Z. A.           | 25  | Male   | Single         | Student     |
| 10  | Mr. B. C. D.           | 60  | Male   | Married        | Retired     |
| 11  | Mr. E. F. G.           | 30  | Male   | Single         | Engineer    |
| 12  | Mr. H. I. J.           | 48  | Male   | Married        | Teacher     |
| 13  | Mr. K. L. M.           | 55  | Male   | Married        | Businessman |
| 14  | Mr. N. O. P.           | 38  | Male   | Single         | Student     |
| 15  | Mr. Q. R. S.           | 62  | Male   | Married        | Retired     |
| 16  | Mr. T. U. V.           | 22  | Male   | Single         | Student     |
| 17  | Mr. W. X. Y.           | 52  | Male   | Married        | Manager     |
| 18  | Mr. Z. A. B.           | 42  | Male   | Married        | Teacher     |
| 19  | Mr. C. D. E.           | 33  | Male   | Single         | Engineer    |
| 20  | Mr. F. G. H.           | 57  | Male   | Married        | Retired     |
| 21  | Mr. I. J. K.           | 27  | Male   | Single         | Student     |
| 22  | Mr. L. M. N.           | 67  | Male   | Married        | Farmer      |
| 23  | Mr. O. P. Q.           | 37  | Male   | Single         | Doctor      |
| 24  | Mr. R. S. T.           | 47  | Male   | Married        | Businessman |
| 25  | Mr. U. V. W.           | 53  | Male   | Married        | Manager     |
| 26  | Mr. X. Y. Z.           | 34  | Male   | Single         | Student     |
| 27  | Mr. A. B. C.           | 63  | Male   | Married        | Retired     |
| 28  | Mr. D. E. F.           | 23  | Male   | Single         | Student     |
| 29  | Mr. G. H. I.           | 54  | Male   | Married        | Manager     |
| 30  | Mr. J. K. L.           | 44  | Male   | Married        | Teacher     |
| 31  | Mr. M. N. O.           | 31  | Male   | Single         | Engineer    |
| 32  | Mr. P. Q. R.           | 59  | Male   | Married        | Retired     |
| 33  | Mr. S. T. U.           | 29  | Male   | Single         | Student     |
| 34  | Mr. V. W. X.           | 64  | Male   | Married        | Farmer      |
| 35  | Mr. Y. Z. A.           | 36  | Male   | Single         | Doctor      |
| 36  | Mr. B. C. D.           | 46  | Male   | Married        | Businessman |
| 37  | Mr. E. F. G.           | 51  | Male   | Married        | Manager     |
| 38  | Mr. H. I. J.           | 39  | Male   | Single         | Student     |
| 39  | Mr. K. L. M.           | 61  | Male   | Married        | Retired     |
| 40  | Mr. N. O. P.           | 24  | Male   | Single         | Student     |
| 41  | Mr. Q. R. S.           | 56  | Male   | Married        | Manager     |
| 42  | Mr. T. U. V.           | 41  | Male   | Married        | Teacher     |
| 43  | Mr. W. X. Y.           | 32  | Male   | Single         | Engineer    |
| 44  | Mr. Z. A. B.           | 66  | Male   | Married        | Retired     |
| 45  | Mr. C. D. E.           | 26  | Male   | Single         | Student     |
| 46  | Mr. F. G. H.           | 55  | Male   | Married        | Manager     |
| 47  | Mr. I. J. K.           | 43  | Male   | Married        | Teacher     |
| 48  | Mr. L. M. N.           | 35  | Male   | Single         | Engineer    |
| 49  | Mr. O. P. Q.           | 68  | Male   | Married        | Retired     |
| 50  | Mr. R. S. T.           | 21  | Male   | Single         | Student     |

LEVEL: New Zealand Vertical Datum 2016  
COORDINATE: New Zealand Transverse Mercator

TOITU TE WHENUA LAND  
INFORMATION NEW ZEALAND

# FORMER TOKANUI HOSPITAL DEMOLITION AND REMEDIATION PROJECT

## AREAS A2/H & CULVERT 3 EROSION AND SEDIMENT CONTROL PLAN



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|              |             |
|--------------|-------------|
| AUCKLAND     | 09 278 7078 |
| HAWKE'S BAY  | 06 211 2766 |
| CHRISTCHURCH | 03 358 5936 |
| BLenheim     | 03 428 3292 |
| NELSON       | 03 222 1132 |
| TAURANGA     | 07 220 9277 |

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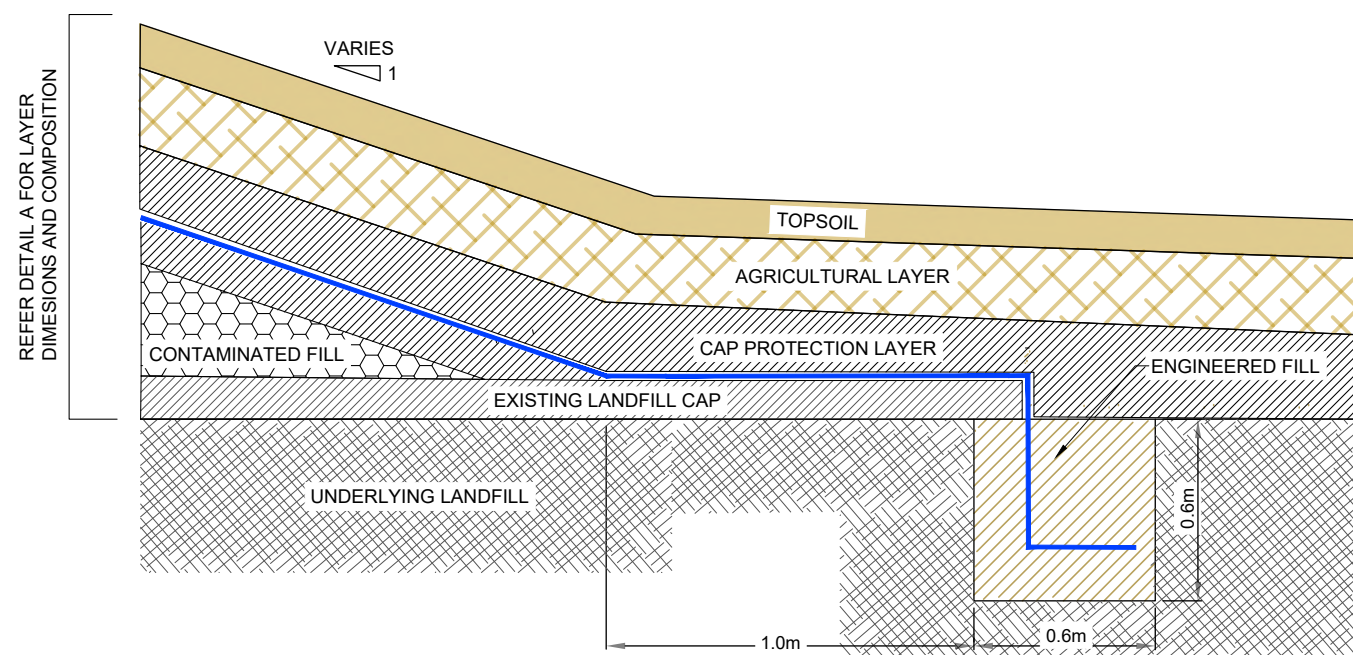
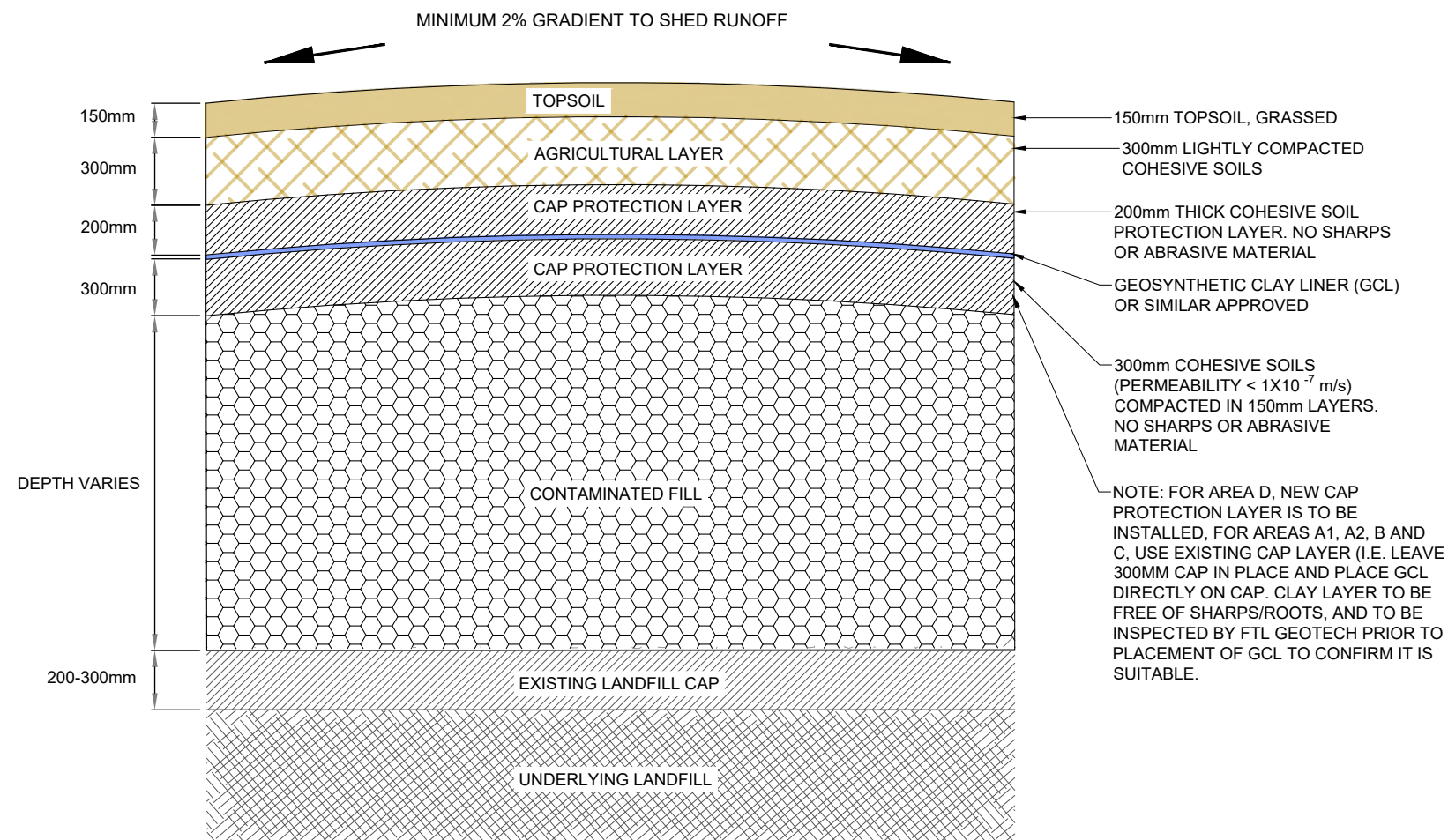
SCALE 1:500 (A3)

|            |          |
|------------|----------|
| DRAWING No | REVISION |
|------------|----------|

33097/LF390 C

P:\33 series\33097\03 Drawings\33097-LF390.dwg, 20/8/2025 4:02 pm



[illegible]

| NOTES                                                                                                                                                                                                                                                                                                                                                                                                           |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                 |  |
| <div style="background-color: #f0f0f0; padding: 5px; margin-bottom: 5px;"><b>PROJECT DATUMS:</b></div> <div style="display: flex; justify-content: space-between;"><div style="width: 35%;">LEVEL:</div><div>New Zealand Vertical Datum 2016</div></div> <div style="display: flex; justify-content: space-between;"><div style="width: 35%;">COORDINATE:</div><div>New Zealand Transverse Mercator</div></div> |  |

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INFORMATION NEW ZEALAND

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

TITLE

PROPOSED LANDFILL CELL  
TYPICAL DETAIL



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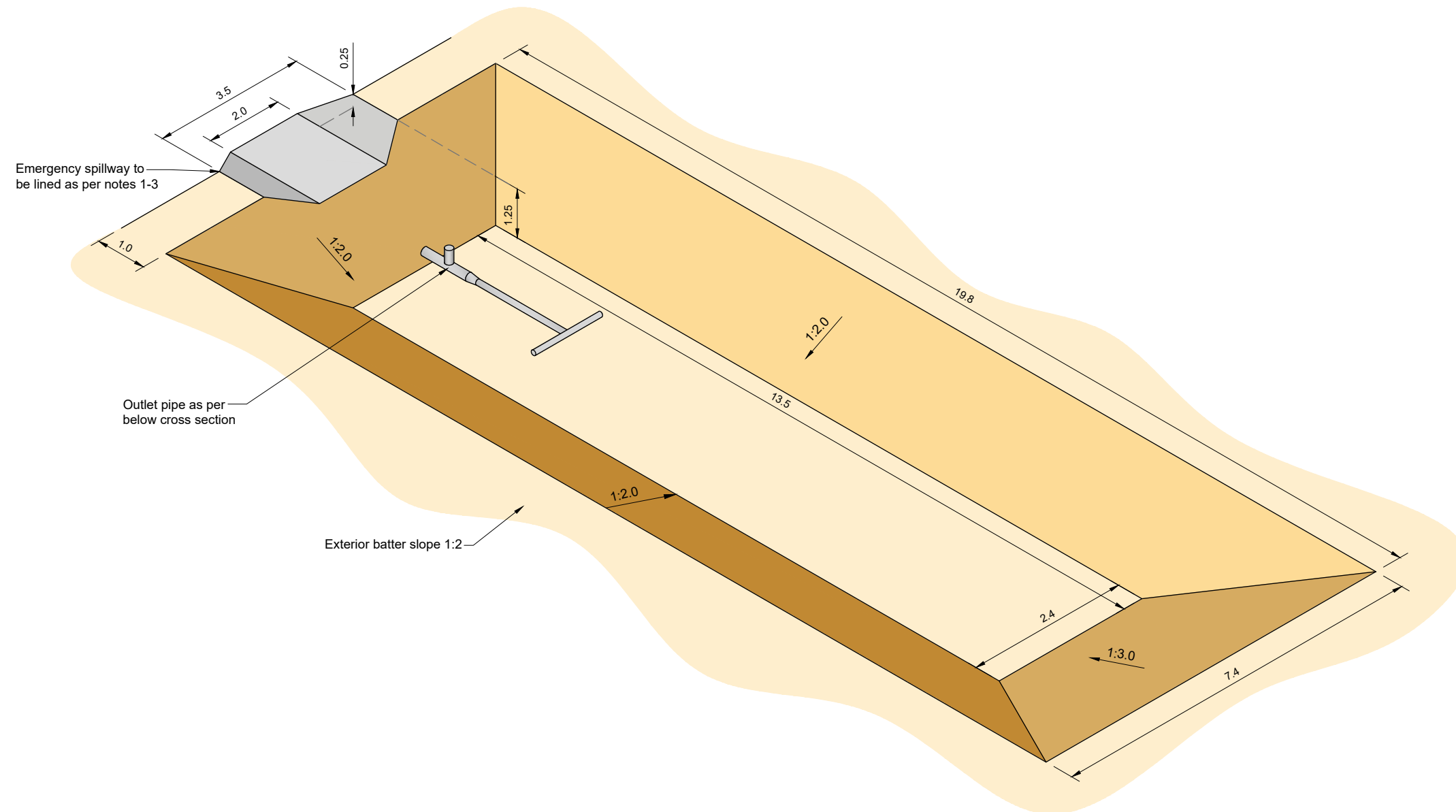
|                    |             |
|--------------------|-------------|
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| HAWKE'S BAY .....  | 06 211 2766 |
| CHRISTCHURCH ..... | 03 358 5936 |
| BLenheim .....     | 03 428 3292 |
| NELSON .....       | 03 222 1132 |
| TAURANGA .....     | 07 220 9277 |

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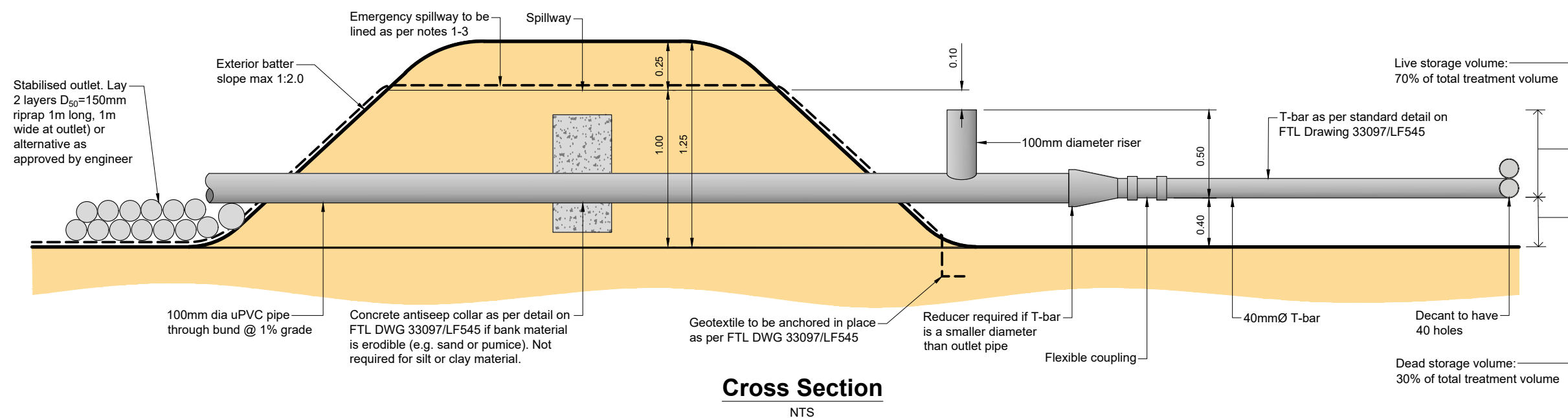
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|            |                                                                                                                                                                                                                                                       |      |          |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|
| STATUS     | <h2 style="margin: 0;">FOR RESOURCE CONSENT</h2> <p style="margin: 5px 0;">Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.</p> |      |          |
| SCALE      | NTS                                                                                                                                                                                                                                                   | (A3) |          |
| DRAWING No | 33097/LF500                                                                                                                                                                                                                                           |      | REVISION |
|            |                                                                                                                                                                                                                                                       |      | A        |





## Decanting Earth Bund Layout



## Cross Section

NOT FOR CONSTRUCTION

[illegible]

## Notes

1. Emergency spillway lined with strong woven low permeability geotextile (Bidim A14 or Duraforce AS240 or approved equivalent) overlaid with soft non-woven needle punched geotextile (Tencate Mirafi HP 280a, Duraforce WG30/30 or approved equivalent).
2. Emergency spillway to be secured with pins every 0.5m,
3. If emergency spillway embankment is constructed with sand, pumice or other erodable material under the spillway lining, install waterproof layer underneath geotextile. Do not secure spillway with pins, instead follow alternative methodology provided in FTL Drawing 33097/LF545 based on Waikato Regional Council Earthworks series – erosion and sediment control factsheet 2019.

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INFORMATION NEW ZEALAND

PROJECT

PROJECT

FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

| TITLE           | DATE       | TIME  | LOCATION | STATUS      |
|-----------------|------------|-------|----------|-------------|
| 1. [illegible]  | 10/10/2023 | 14:30 | Room 101 | Completed   |
| 2. [illegible]  | 10/11/2023 | 15:00 | Room 102 | In Progress |
| 3. [illegible]  | 10/12/2023 | 16:00 | Room 103 | Not Started |
| 4. [illegible]  | 10/13/2023 | 17:00 | Room 104 | Completed   |
| 5. [illegible]  | 10/14/2023 | 18:00 | Room 105 | In Progress |
| 6. [illegible]  | 10/15/2023 | 19:00 | Room 106 | Not Started |
| 7. [illegible]  | 10/16/2023 | 20:00 | Room 107 | Completed   |
| 8. [illegible]  | 10/17/2023 | 21:00 | Room 108 | In Progress |
| 9. [illegible]  | 10/18/2023 | 22:00 | Room 109 | Not Started |
| 10. [illegible] | 10/19/2023 | 23:00 | Room 110 | Completed   |

### DECANTING EARTH BUND DIMENSIONS PLAN



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| BLENHEIM .....     | 03 428 3292   |
| NELSON .....       | 03 222 1132   |
| TAURANGA .....     | 020 4118 9465 |

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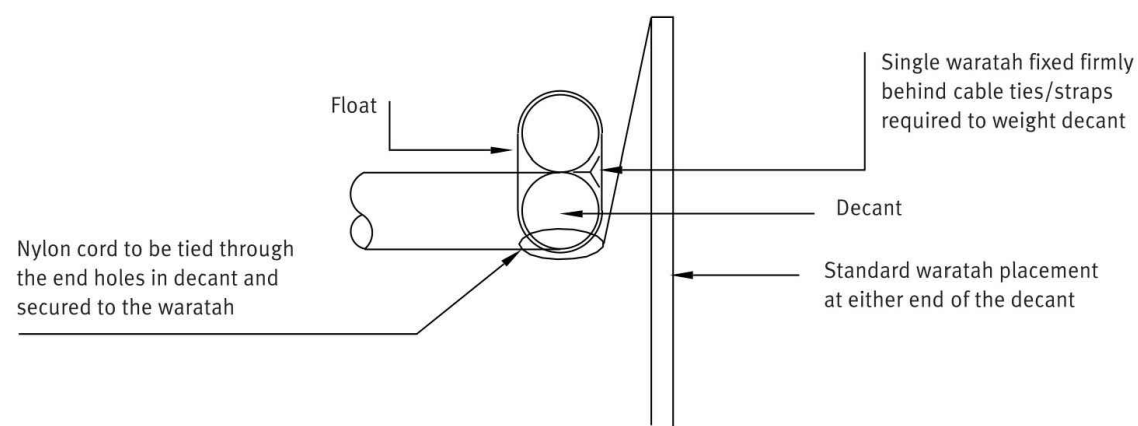
SCALE **NTS** (A3)

|            |          |
|------------|----------|
| DRAWING No | REVISION |
|------------|----------|

VISION

33097/LF540 -





The diagram illustrates the construction of a pipe collar. A central circular pipe is shown with a cross-section. The collar is a rectangular concrete structure surrounding the pipe. Key dimensions and notes are as follows:

- Pipe Outside Diameter:** Indicated by a vertical dimension line on the left.
- Collar Width:** Indicated by a horizontal dimension line at the top, labeled "Note 1" on both sides.
- Collar Height:** Indicated by a vertical dimension line on the left, labeled "500mm".
- Construction Notes:**
  - "Concrete collars to be 300mm wide" (pointing to the collar width).
  - "Pour 20MPa concrete collars directly against insitu ground after placement of pipe." (pointing to the collar structure).

0.50

Compacted backfill in max 150mm lifts.

Bidim A14 or  
Duraforce AS240 or  
approved equivalent

Tencate Mirafi HP 280a,  
Duraforce WG30/30, or  
approved equivalent

0.50

0.30

NOT FOR CONSTRUCTION

NOTES

PROJECT  
FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT

| TITLE                        |
|------------------------------|
| DECANTING EARTH BUND DETAILS |



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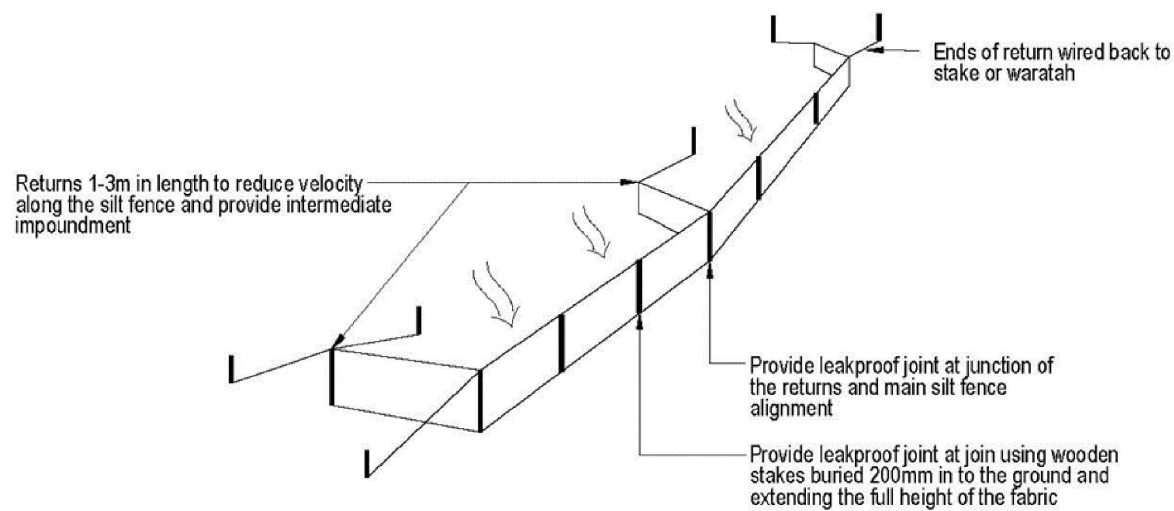
STATUS

**FOR RESOURCE CONSENT**

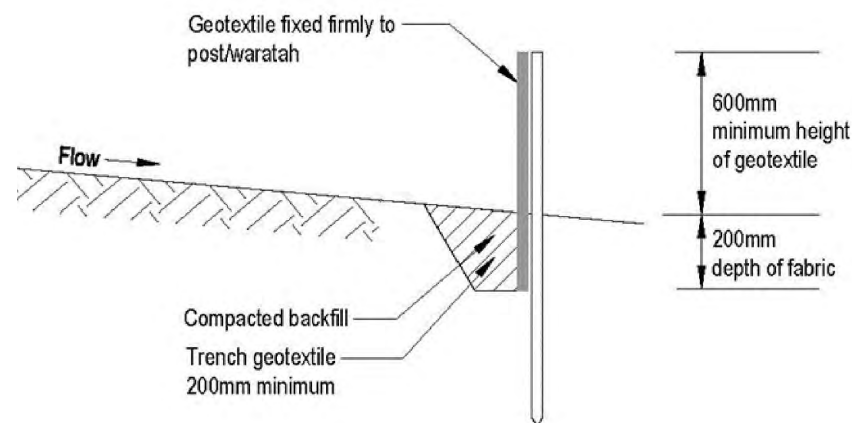
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

|            |             |          |
|------------|-------------|----------|
| SCALE      | NTS         | (A)      |
| DRAWING No | 33097/LF545 | REVISION |

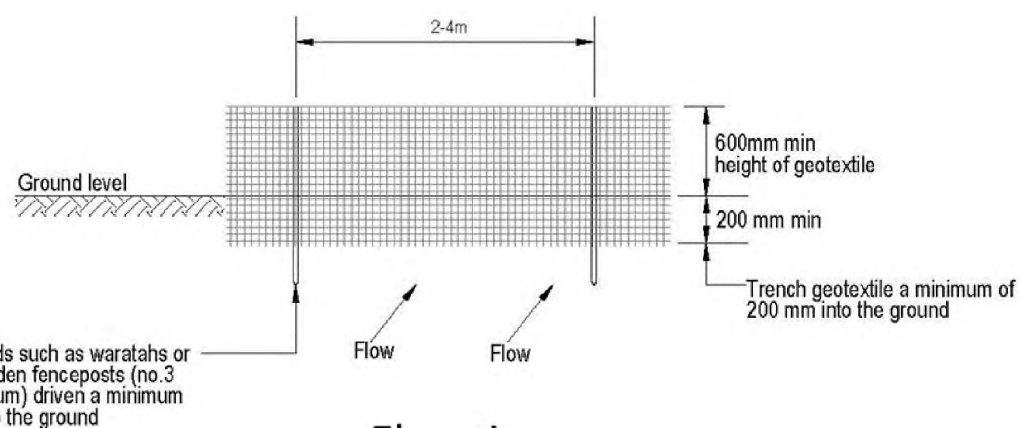




**Silt Fence Schematic**  
NTS

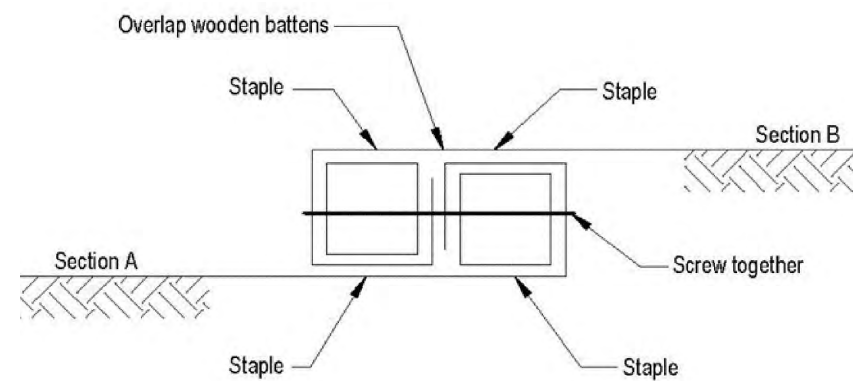


**Silt Fence Cross Section**  
NTS

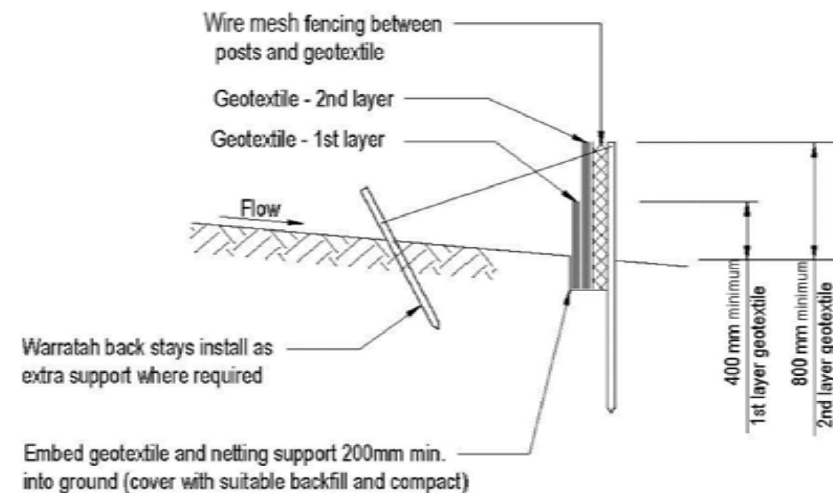


**Silt Fence Elevation**  
NTS

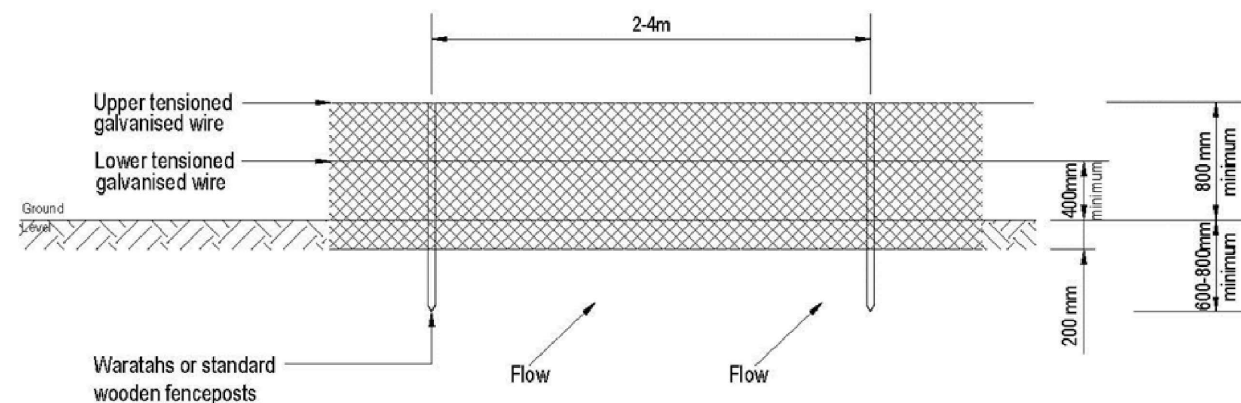
| SILT FENCE DESIGN CRITERIA |                  |                        |            |
|----------------------------|------------------|------------------------|------------|
| Slope %                    | Slope Length (m) | Spacing of Returns (m) | Length (m) |
| <2%                        | Unlimited        | N/A                    | Unlimited  |
| 2-10%                      | 40               | 60                     | 300        |
| 10-20%                     | 30               | 50                     | 230        |
| 20-33%                     | 20               | 40                     | 150        |
| 33-50%                     | 15               | 30                     | 75         |
| >50%                       | 6                | 20                     | 40         |



**Silt Fence Standard Fabric Join**  
NTS



**Super Silt Fence Cross Section**  
NTS



**Super Silt Fence Elevation**  
NTS

| SUPER SILT FENCE DESIGN CRITERIA |                  |                        |            |
|----------------------------------|------------------|------------------------|------------|
| Slope %                          | Slope Length (m) | Spacing of Returns (m) | Length (m) |
| 0-10                             | Unlimited        | 60                     | Unlimited  |
| 10-20                            | 60               | 50                     | 450        |
| 20-33                            | 30               | 40                     | 300        |
| 33-50                            | 30               | 30                     | 150        |
| >50                              | 15               | 20                     | 75         |

**NOT FOR CONSTRUCTION**

| SURVEYED |                           |          | APPROVED | DATE     |
|----------|---------------------------|----------|----------|----------|
| DESIGNED | TB                        | 14/08/24 | SF       | 05/11/24 |
| DRAWN    | TB                        | 20/08/24 |          |          |
| CHECKED  | SF                        | 05/11/24 |          |          |
| REVISION | CHANGES                   |          | CHECKED  | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          | SF       | 23/05/25 |
|          |                           |          |          |          |
|          |                           |          |          |          |
|          |                           |          |          |          |
|          |                           |          |          |          |
|          |                           |          |          |          |
|          |                           |          |          |          |
|          |                           |          |          |          |
|          |                           |          |          |          |

NOTES

**PROJECT DATUMS:**  
LEVEL: ..... New Zealand Vertical Datum 2016  
COORDINATE: ..... New Zealand Transverse Mercator

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PROJECT  
**FORMER TOKANUI HOSPITAL  
DEMOLITION AND REMEDIATION  
PROJECT**

TITLE  
**EROSION AND SEDIMENT  
CONTROL DETAILS PAGE 1**



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BLENHEIM ..... 03 428 3292  
NELSON ..... 03 222 1132  
TAURANGA ..... 020 4118 9465

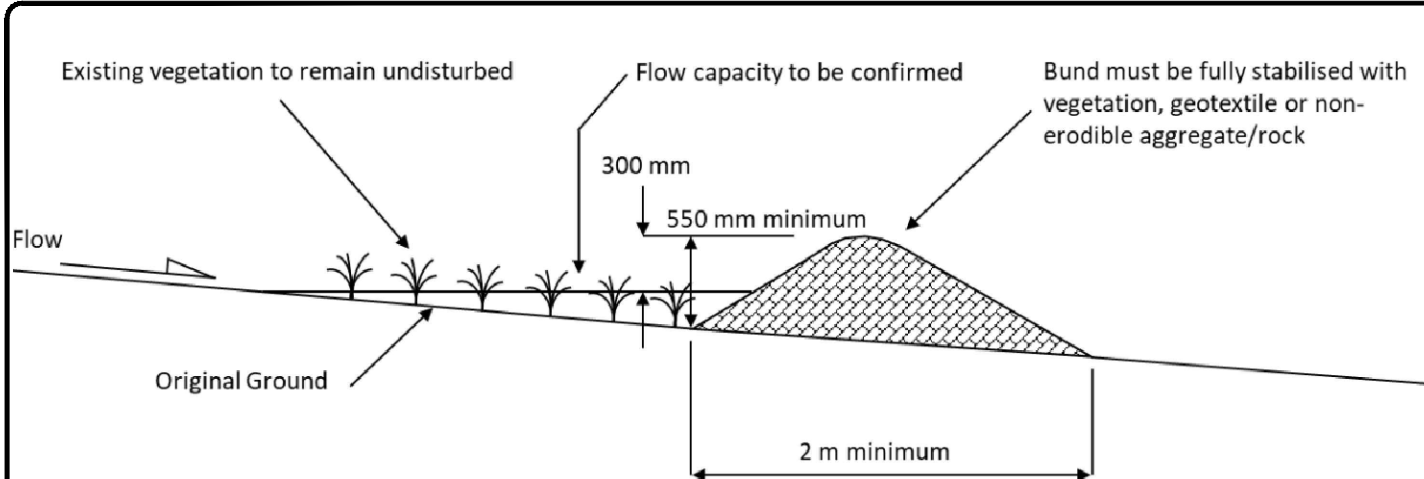
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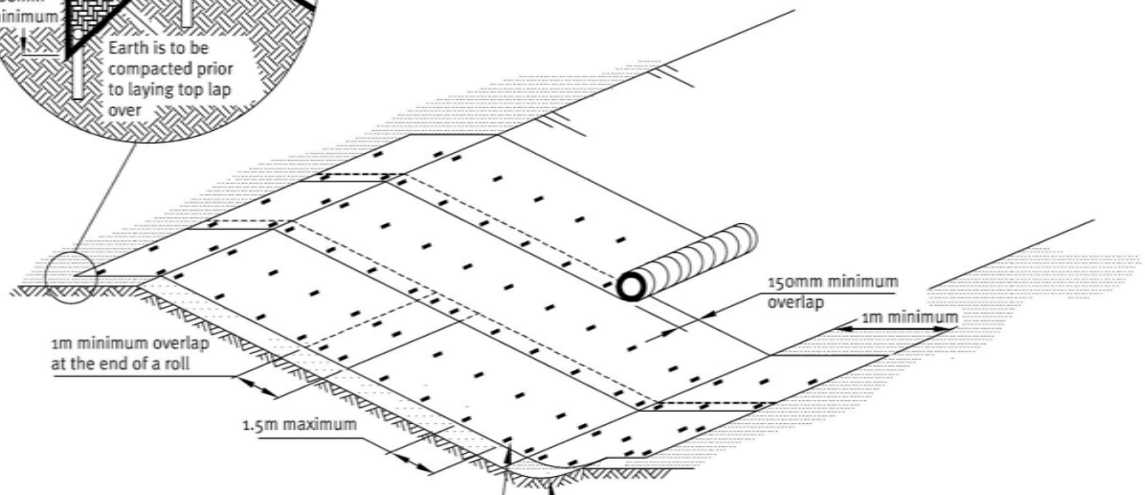
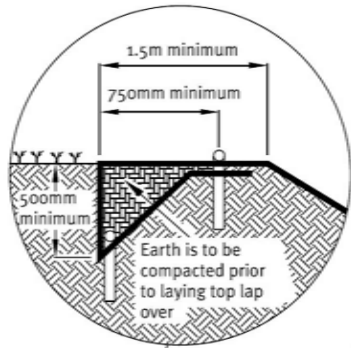
STATUS  
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SCALE: NTS (A3)  
DRAWING No: 33097/LF550  
REVISION: A





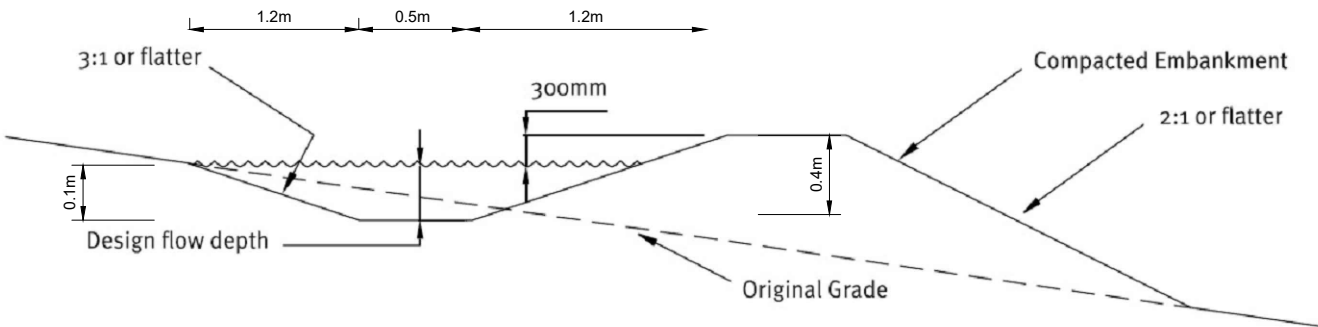
Clean Water Drain  
NTS



Anchor type is to be to the manufacturers recommendations. Anchor spacing is to be to the smaller of the manufacturers recommendation or the dimensions shown.

Where the slope terminates in an area of concentrated flow the geofabric must be laid through the flowpath and pinned down on a 500mm grid.

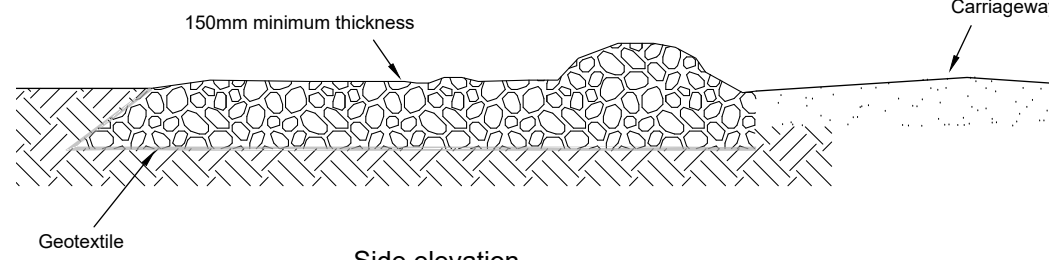
Geotextile Layout Detail  
NTS



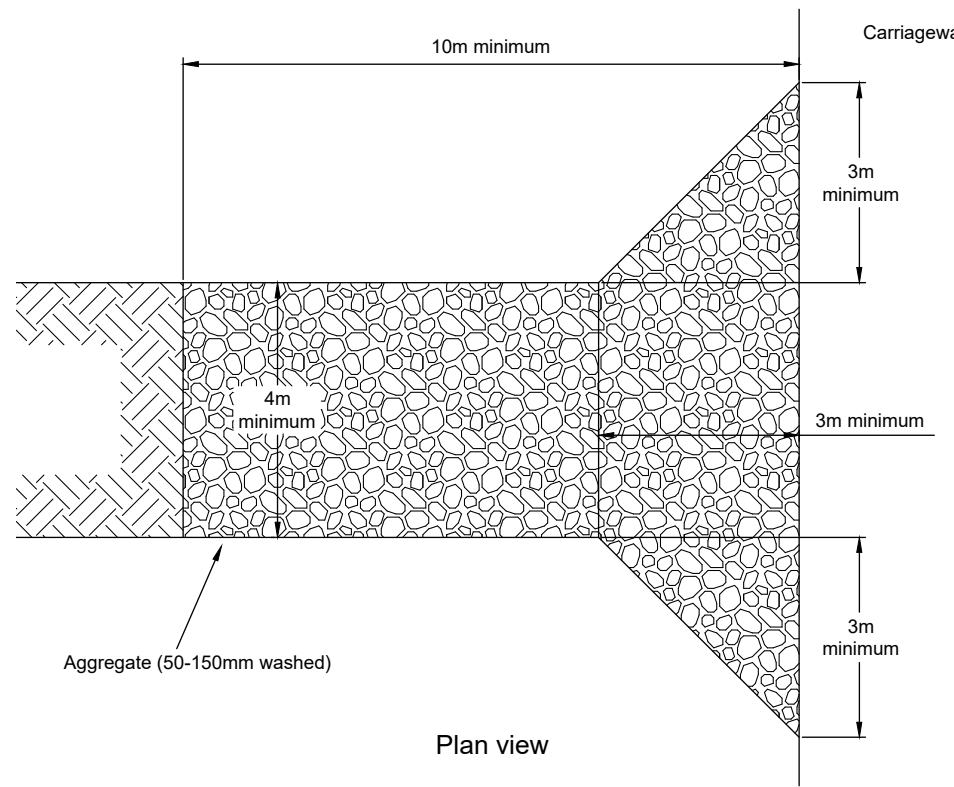
Dirty Water Drain  
NTS

Notes

- 1. All works to be carried out in accordance with Waikato Regional Council TR 2009/02 - Erosion and sediment control: guidelines for soil disturbing activities



Side elevation



Stabilised Entranceway  
Nts

|          |                           |          |          |         |          |
|----------|---------------------------|----------|----------|---------|----------|
| SURVEYED | TB                        | 14/08/24 | APPROVED | SF      | 05/11/24 |
| DRAWN    | TB                        | 20/08/24 |          |         |          |
| CHECKED  | SF                        | 05/11/24 |          |         |          |
| REVISION | CHANGES                   |          |          | CHECKED | DATE     |
| A        | COORDINATE SYSTEM CHANGED |          |          | SF      | 23/05/25 |
|          |                           |          |          |         |          |
|          |                           |          |          |         |          |
|          |                           |          |          |         |          |
|          |                           |          |          |         |          |
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|          |                           |          |          |         |          |
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|          |                           |          |          |         |          |
|          |                           |          |          |         |          |

NOTES

PROJECT DATUMS:  
LEVEL: ..... New Zealand Vertical Datum 2016  
COORDINATE: ..... New Zealand Transverse Mercator

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FORMER TOKANUI HOSPITAL  
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TITLE  
EROSION AND SEDIMENT  
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| DRAWING No | 33097/LF551 | REVISION |
|            |             | A        |

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