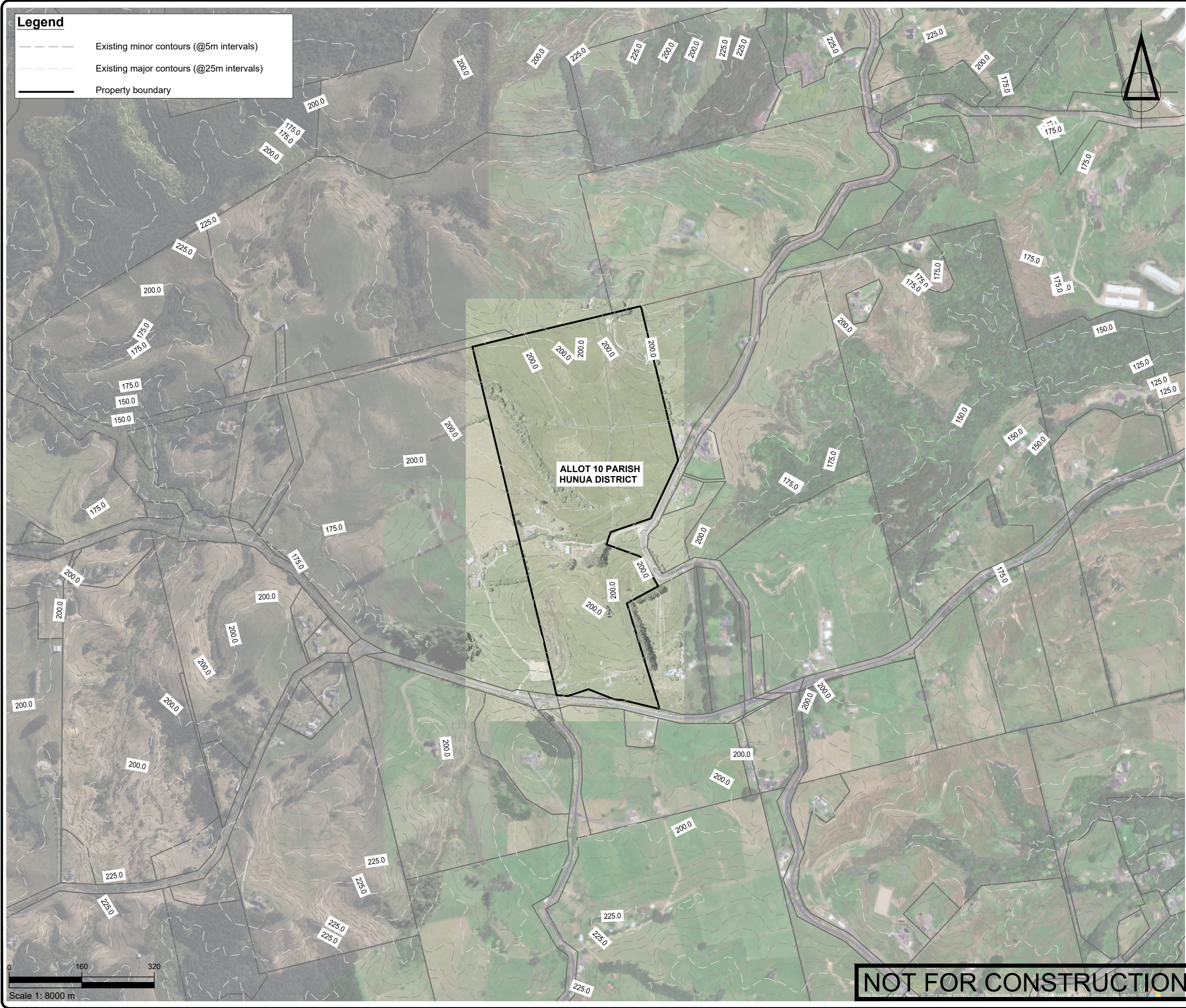


LIST OF DRAWINGS		25/09/2024	14/10/2024	25/10/2024	17/01/2025	11/02/2025	28/02/2025	21/10/2025	24/10/2025	05/12/2025
	ISSUE SET		1	2	3	4	S92	5	6	
DRAWING	DRAWING TITLE									
33250/001	EXISTING AND SURROUNDING SITE PLAN		-	-	-	-		-	-	
33250/002	EXISTING SITE PLAN		-	-	-	-		-	-	
33250/003	PROPOSED FINISHED SITE PLAN		-	-	-	-		A	A	
33250/100	PROPOSED FILLING AREA DEVELOPMENT SITE PLAN		-	-	-	-		A	B	
33250/110	PROPOSED NORTHERN FILLING AREA DEVELOPMENT SITE PLAN		-	-	-	-		A	A	
33250/111	PROPOSED NORTHERN FILLING AREA CROSS SECTION PLAN		-	-	-	-		A	A	
33250/112	PROPOSED NORTHERN FILLING AREA CROSS SECTIONS SHEET 1 OF 3		-	-	-	-		A	A	
33250/113	PROPOSED NORTHERN FILLING AREA CROSS SECTIONS SHEET 2 OF 3		-	-	-	-		A	A	
33250/114	PROPOSED NORTHERN FILLING AREA CROSS SECTIONS SHEET 3 OF 3		-	-	-	-		A	A	
33250/120	PROPOSED NORTHERN FILLING AREA CUT AND FILL PLAN		-	-	-	A		B	B	
33250/121	PROPOSED NORTHERN EROSION AND SEDIMENT CONTROL PLAN		-	A	A	B	C	D	D	
33250/122	PROPOSED NORTHERN DIRTY WATER DIVERSION DRAIN LONG SECTIONS		-	-	-	-		A	A	
33250/130	INDICATIVE NORTHERN FILLING AREA STAGING PLAN		-	-	A	A		A	A	
33250/131	NOISE BUND DETAILS PLAN - SHEET 1 OF 2		-	A	A	A		A	A	
33250/132	NOISE BUND DETAILS PLAN - SHEET 2 OF 2			-	-	-		-	-	
33250/133	SOUTHERN FILL NOISE BUNDS						-	A	A	
33250/134	NOISE BUND DETAILS PLAN						-	-	-	
33250/140	REMOVAL OF EXISTING STREAM CROSSING		-	A	B	B		B	B	
33250/141	LONG SECTION AND CROSS SECTION OF REINSTATED STREAM AND WETLAND			-	-	-		-	-	
33250/150	PROPOSED SOUTHERN FILLING AREA DEVELOPMENT SITE PLAN		-	A	A	A		A	A	
33250/151	PROPOSED SOUTHERN FILLING AREA CROSS SECTION PLAN		-	-	-	-		-	-	
33250/152	PROPOSED SOUTHERN FILLING AREA CROSS SECTIONS SHEET 1 OF 1		-	-	-	-		-	-	
33250/160	PROPOSED SOUTHERN FILLING AREA CUT AND FILL SITE PLAN		-	-	-	A		A	A	
33250/161	PROPOSED SOUTHERN EROSION AND SEDIMENT CONTROL PLAN		-	-	-	A	B	B	B	
33250/162	PROPOSED SOUTHERN DIRTY WATER DIVERSION DRAIN LONG SECTIONS		-	-	-	-		-	-	
33250-170	INDICATIVE SEDIMENT RETENTION POND SIZING - 2HA POND		-	-	-	A		A	A	
33250-171	SEDIMENT RETENTION POND STANDARD DETAILS - 2HA POND		-	-	-	-		-	-	
33250-172	INDICATIVE SEDIMENT RETENTION POND SIZING - 1.2HA POND		-	-	-	A		A	A	
33250-173	SEDIMENT RETENTION POND STANDARD DETAILS - 1.2HA POND		-	-	-	-		-	-	
33250/180	EROSION AND SEDIMENT CONTROL DETAILS SHEET 1		-	-	-	A		A	A	
33250/181	EROSION AND SEDIMENT CONTROL DETAILS SHEET 2		-	-	-	-		-	-	
33250/190	PROPOSED BORE LOCATION RELATIVE TO WASTEWATER DISPOSAL FIELD AND WHEEL WASHING AREA			-	-	A	B	C	D	
33250/195	INDICATIVE FILLING PLAN SHOWING ACCESS ROADS AND TIPPING HEADS						-	A	B	
33250/200	PROPOSED HAUL ROAD LAYOUT PLAN		-	-	A	A	B	C	D	
33250/201	PROPOSED HAUL ROAD ACCESSWAY LAYOUT (SHEET 1 OF 2)		-	-	A	A		B	C	
33250/202	PROPOSED HAUL ROAD ACCESSWAY LAYOUT (SHEET 2 OF 2)		-	-	-	-	A	B	C	
33250/220	PROPOSED HAUL ROAD ACCESSWAY LONGSECTIONS		-	-	A	A		B	C	
33250/250	PROPOSED HAUL ROAD ACCESSWAY CUT AND FILL PLAN		-	-	A	A		B	C	
33250/251	PROPOSED HAUL ROAD ACCESSWAY EROSION AND SEDIMENT CONTROL PLAN		-	A	A	A		B	C	
33250/300	PROPOSED STORMWATER PLAN - OVERALL PLAN		-	-	A	A		B	C	
33250/301	PROPOSED STORMWATER PLAN - HAUL ROAD ENTRANCE (SHEET 1 OF 5)		-	-	A	A		A	B	
33250/302	PROPOSED STORMWATER PLAN - HAUL ROAD ENTRANCE (SHEET 2 OF 5)		-	-	A	A		A	B	
33250/303	PROPOSED STORMWATER PLAN - HAUL ROAD ENTRANCE (SHEET 3 OF 5)		-	-	A	A		A	B	
33250/304	PROPOSED STORMWATER PLAN - HAUL ROAD ENTRANCE (SHEET 4 OF 5)		-	-	A	A		A	B	
33250/305	PROPOSED STORMWATER PLAN - HAUL ROAD ENTRANCE (SHEET 5 OF 5)		-	-	A	A		A	B	
33250/306	PROPOSED STORMWATER PLAN - LONG SECTIONS (SHEET 1 OF 2)								-	
33250/307	PROPOSED STORMWATER PLAN - LONG SECTIONS (SHEET 2 OF 2)								-	
33250/308	PRE AND POST DEVELOPMENT CATCHMENT COMPARISON PLAN								-	
33250/350	PROPOSED NORTHERN UNDERFILL STRIP DRAIN	-	A	B	C	C	C	D	E	E
33250/351	PROPOSED SOUTHERN UNDERFILL STRIP DRAIN	-	A	B	C	C	C	D	D	D
33250/400	ENHANCEMENT PLANTING AND WEEDING CONTROL AREAS (SHEET 1 OF 3)				-	-			A	B
33250/401	ENHANCEMENT PLANTING AND WEEDING CONTROL AREAS (SHEET 2 OF 3)				-	-			A	B
33250/402	ENHANCEMENT PLANTING AND WEEDING CONTROL AREAS (SHEET 3 OF 3)				-	-			A	B
33250/500	PROXIMITY OF FILL AREAS TO HAYS CREEK SOURCE WATER RISK MANAGEMENT AREAS						-		A	B
33250/501	HAYS CREEK DAM PRINCIPAL STORMWATER FLOW PATHS FROM FILL SITE						-		A	B
33250/502	STORMWATER SAMPLING PLAN						-		A	B



SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE

NOTES

1. Existing Ground Contour data obtained from LiDAR 2016.

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

EXISTING AND SURROUNDING
SITE 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

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STATUS

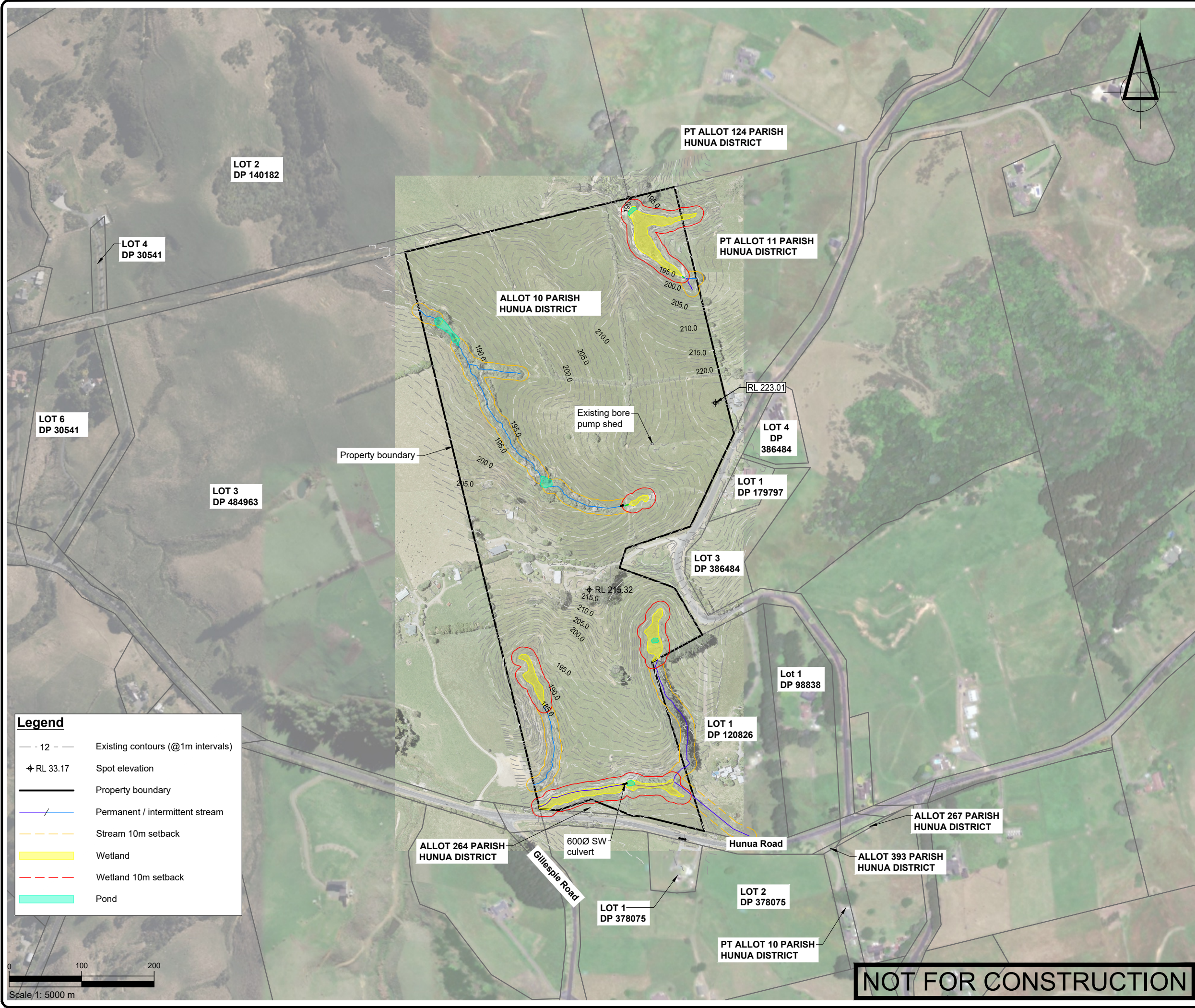
FOR RESOURCE CONSENT

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SCALE 1:8000 (A3)

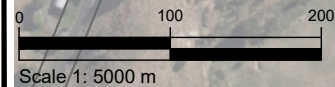
DRAWING No 33250/001 REVISION -

P:\333 series\33250\03 Drawings\33250-002.dwg, f:\hna, 8/12/2025 11:58 am



Legend

- - - Existing contours (@1m intervals)
- ⬮ RL 33.17 Spot elevation
- Property boundary
- Permanent / intermittent stream
- - - Stream 10m setback
- Wetland
- - - Wetland 10m setback
- Pond



SURVEYED	TB	06.09.24	APPROVED	SF	DATE
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
EXISTING SITE PLAN



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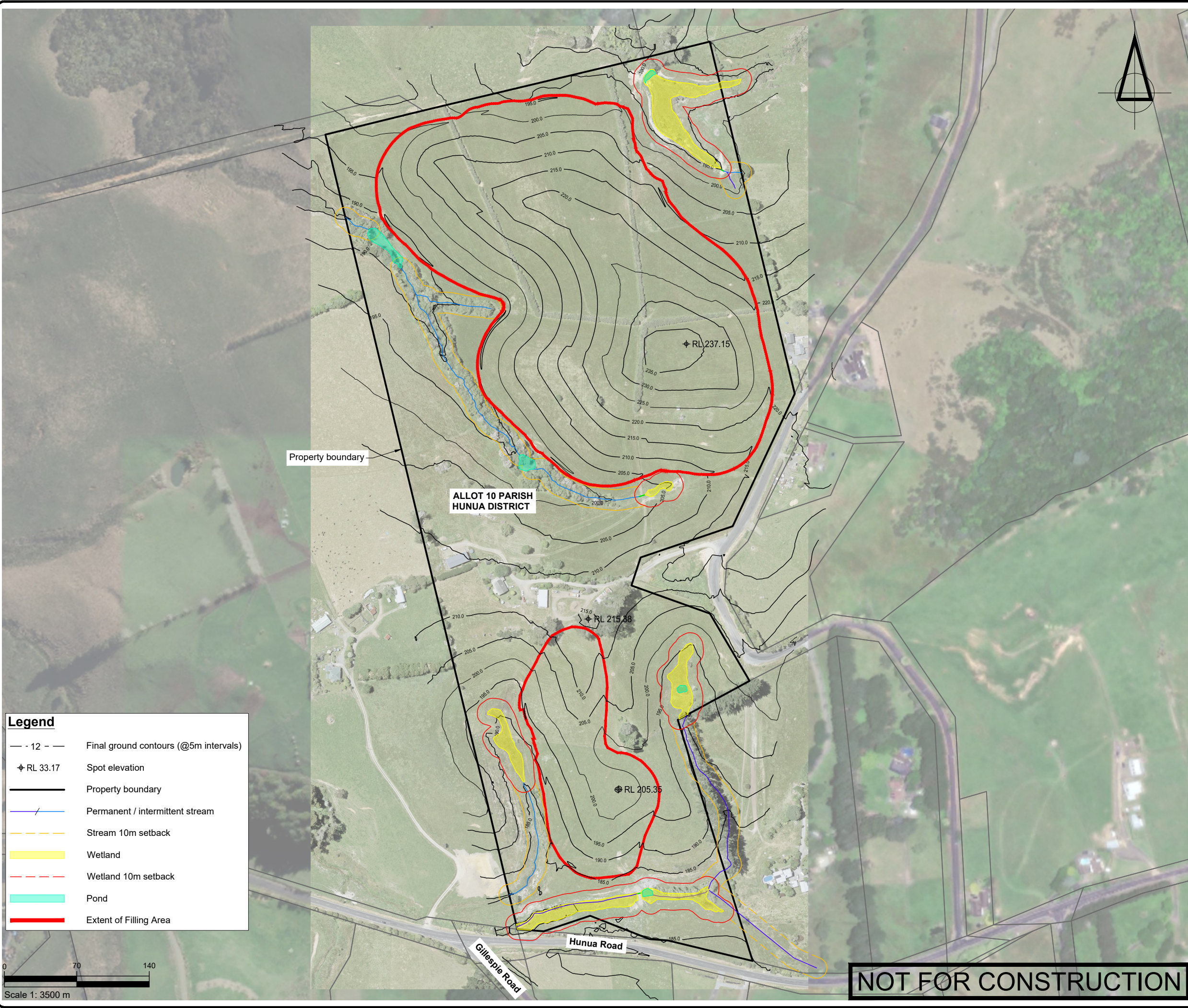
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SCALE 1:5000 (A3)
DRAWING No 33250/002 REVISION -

NOT FOR CONSTRUCTION

P:\333 series\33250\03 Drawings\33250-003.dwg, f:\ohra, 8/12/2025 11:59 am



Legend	
	Final ground contours (@5m intervals)
	Spot elevation
	Property boundary
	Permanent / intermittent stream
	Stream 10m setback
	Wetland
	Wetland 10m setback
	Pond
	Extent of Filling Area

SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE
A	POST SECTION 92 UPDATE		SF	22.10.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED FINISHED SITE PLAN



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HAWKE'S BAY 06 211 2766

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NELSON 03 222 1132

TAURANGA 020 4118 9465

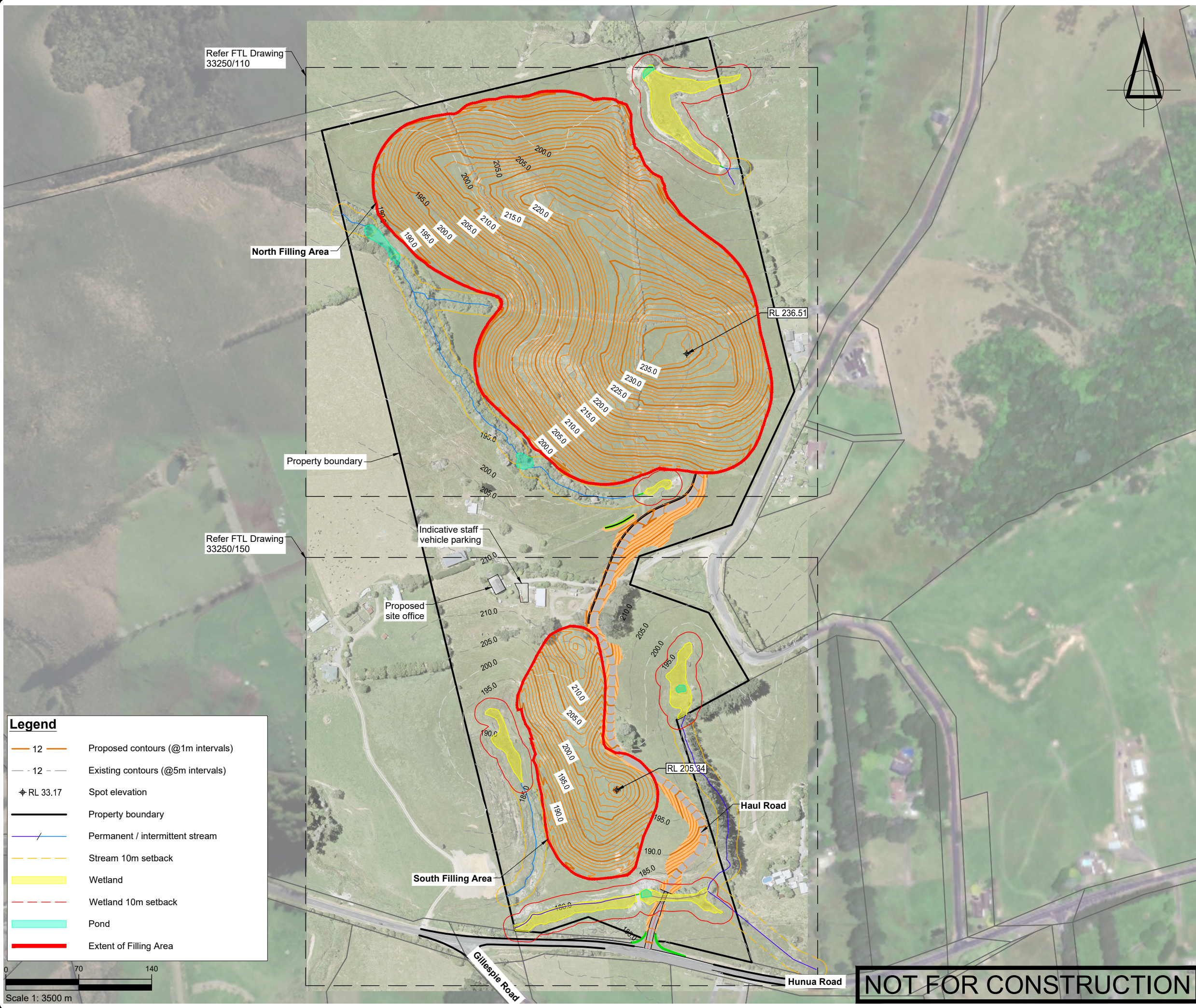
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FOR RESOURCE CONSENT
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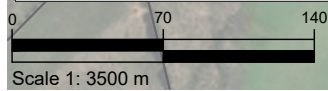
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DRAWING No	33250/003	REVISION
		A

P:\333 series\33250\03 Drawings\33250-100.dwg, f:\ohta, 8/12/2025 11:59 am



Legend

- 12 Proposed contours (@1m intervals)
- 12 Existing contours (@5m intervals)
- RL 33.17 Spot elevation
- Property boundary
- Permanent / intermittent stream
- Stream 10m setback
- Wetland
- Wetland 10m setback
- Pond
- Extent of Filling Area



SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	POST SECTION 92 UPDATE			SF	22.10.25
B	DESIGN UPDATES			SF	05.12.25

NOTES

- Existing Ground Contour data obtained from LiDAR 2016.
- Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED FILLING AREA
DEVELOPMENT SITE PLAN

 **Fraser Thomas**

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AUCKLAND 09 278 7078

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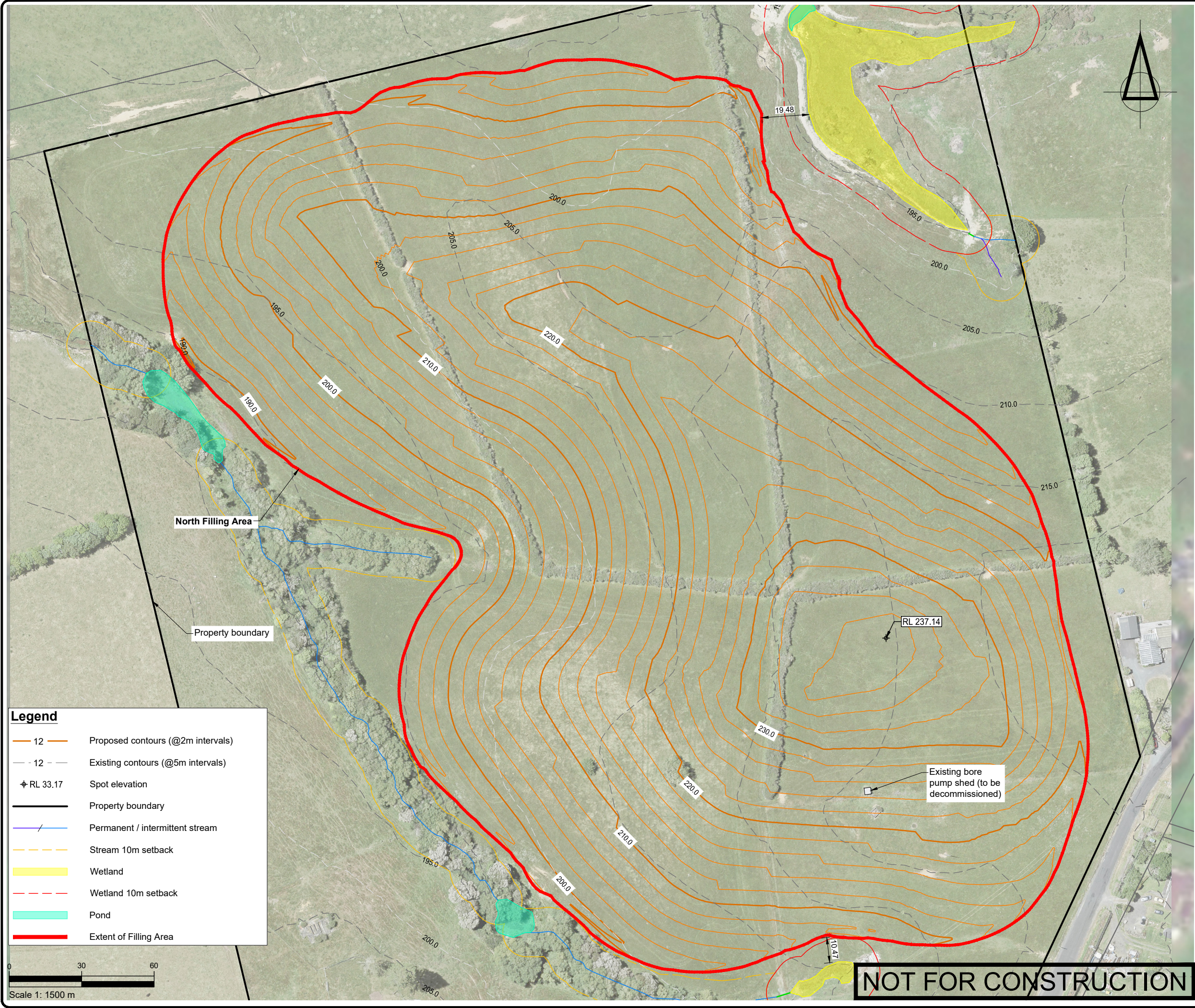
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:3500 (A3)

DRAWING No 33250/100 REVISION B

NOT FOR CONSTRUCTION

P:\33 series\33250\03 Drawings\33250-110.dwg, f:\ohra, 8/12/2025 11:59 am



Legend

12

Proposed contours (@2m intervals)

12

Existing contours (@5m intervals)

RL 33.17

Spot elevation

Property boundary

Permanent / intermittent stream

Stream 10m setback

Wetland

Wetland 10m setback

Pond

Extent of Filling Area

NOT FOR CONSTRUCTION

SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE
A	POST SECTION 92 UPDATE		SF	22.10.25

- NOTES
1.

Existing Ground Contour data obtained from LiDAR 2016.
2.

Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED NORTHERN FILLING AREA DEVELOPMENT SITE 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

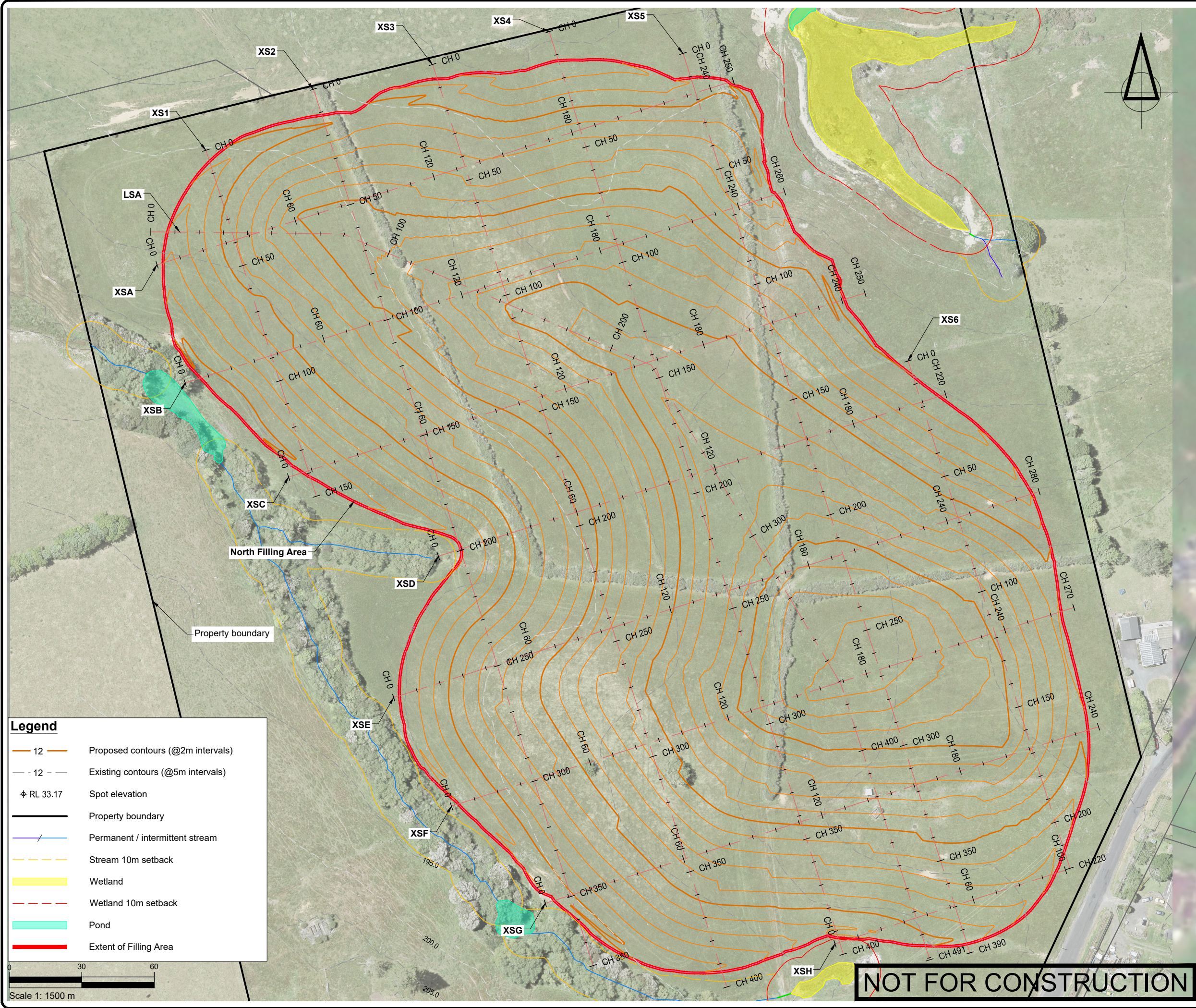
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STATUS	
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SCALE	1:1500 (A3)
DRAWING No	33250/110
REVISION	A



SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE
A	POST SECTION 92 UPDATE		SF	22.10.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED NORTHERN FILLING
AREA CROSS SECTION PLAN



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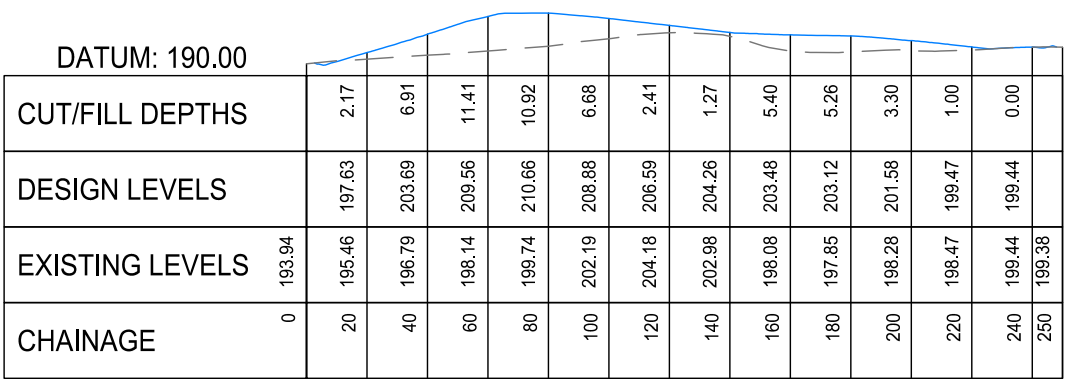
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STATUS
FOR RESOURCE CONSENT
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:1500 (A3)
DRAWING No 33250/111 REVISION A

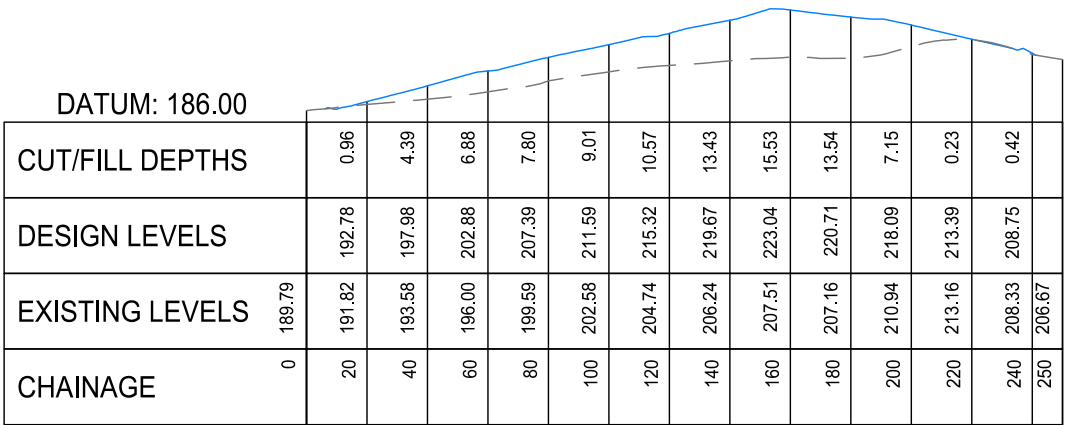
PROFILE VIEW LEGEND

EXISTING GROUND
DESIGN GROUND



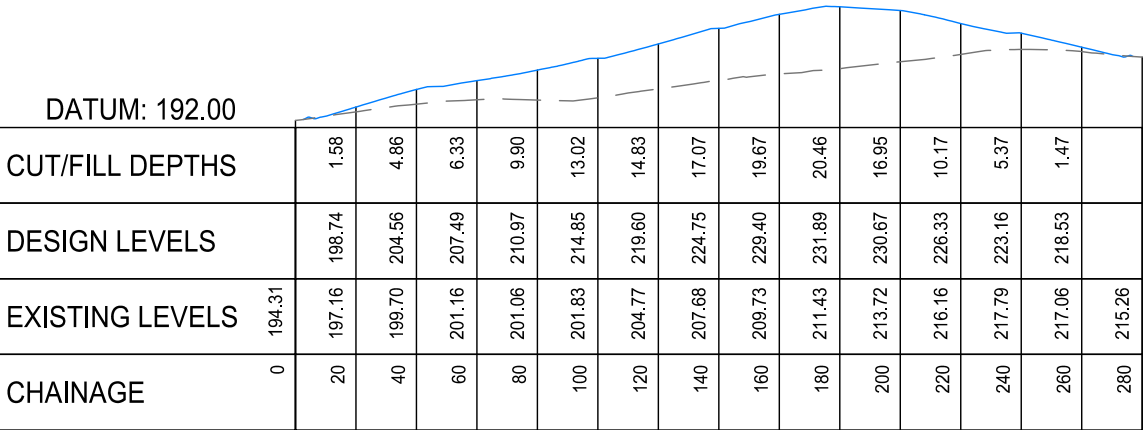
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SCALE - 1:2500



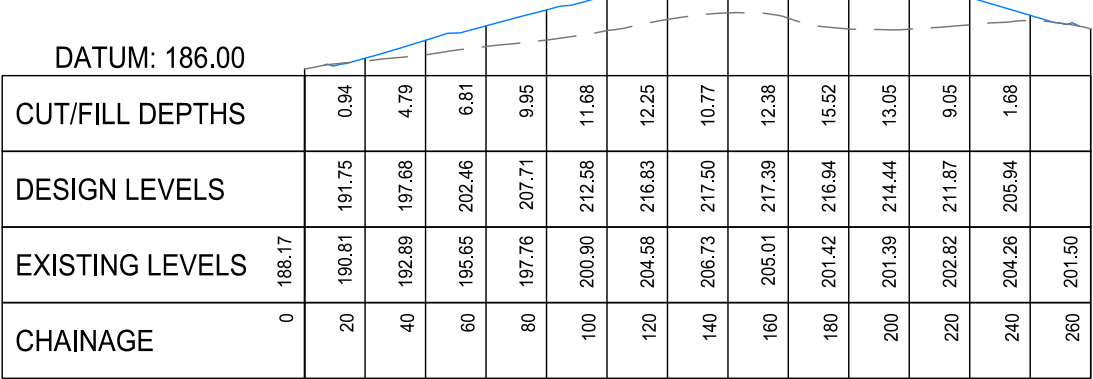
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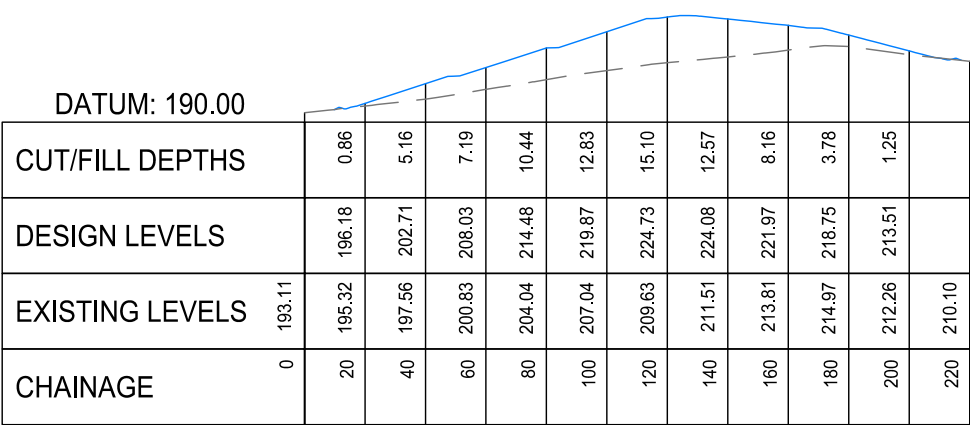
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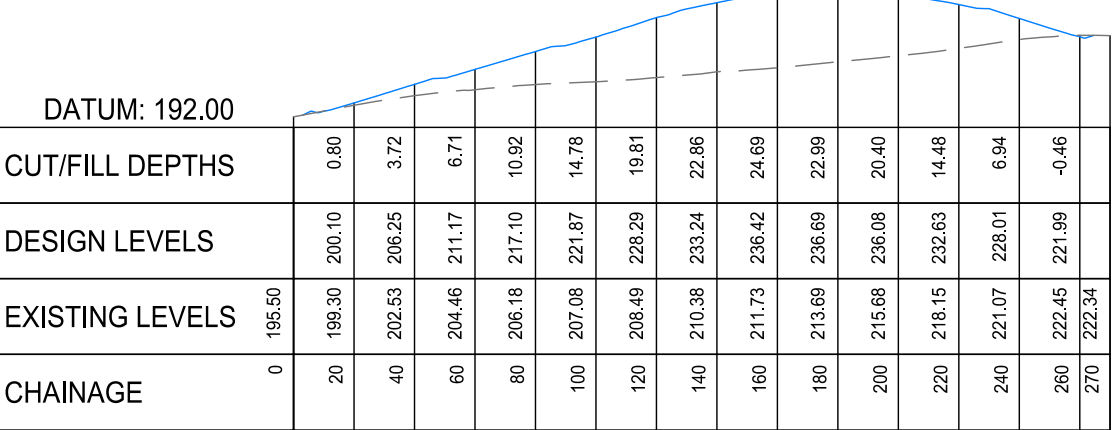
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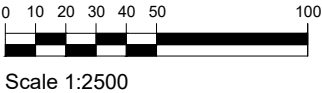
CROSS SECTION D

SCALE - 1:2500



CROSS SECTION F

SCALE - 1:2500



NOT FOR CONSTRUCTION

SURVEYED			APPROVED SF 27.09.24	DATE
DESIGNED	TB	06.09.24		
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES			CHECKED DATE
A	POST SECTION 92 UPDATE			SF 22.10.25

- NOTES
1. Existing Ground Contour data obtained from LiDAR 2016.

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED NORTHERN FILLING
AREA CROSS SECTIONS SHEET
1 OF 3



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TAURANGA 020 4118 9465

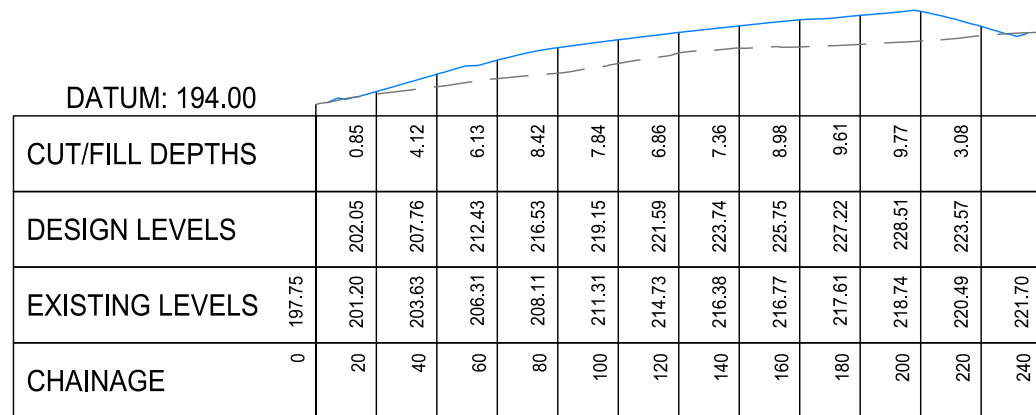
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STATUS	
FOR RESOURCE CONSENT	
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.	
SCALE	AS SHOWN (A3)
DRAWING No	33250/112
REVISION	A

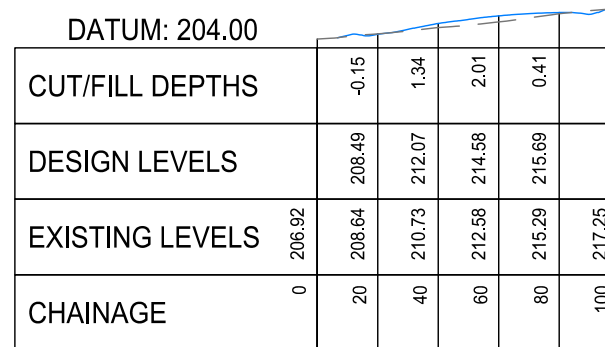
PROFILE VIEW LEGEND

EXISTING GROUND	---
DESIGN GROUND	—



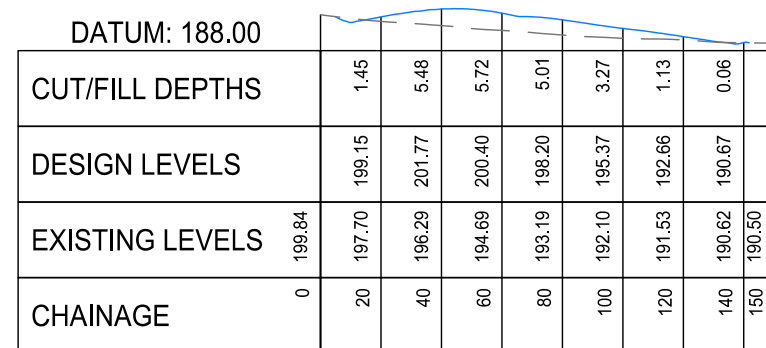
CROSS SECTION G

SCALE - 1:2500



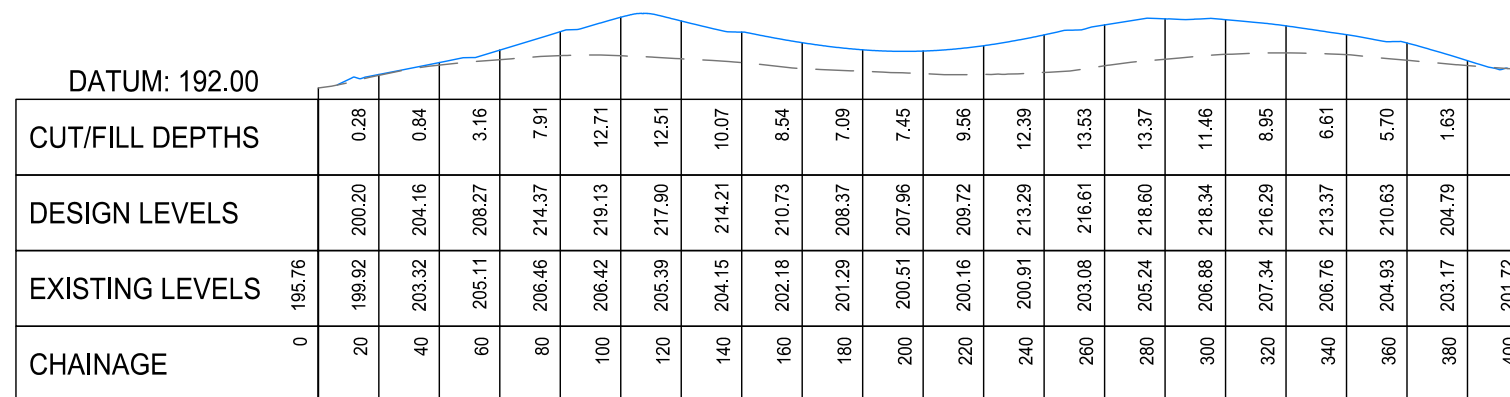
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SCALE - 1:2500



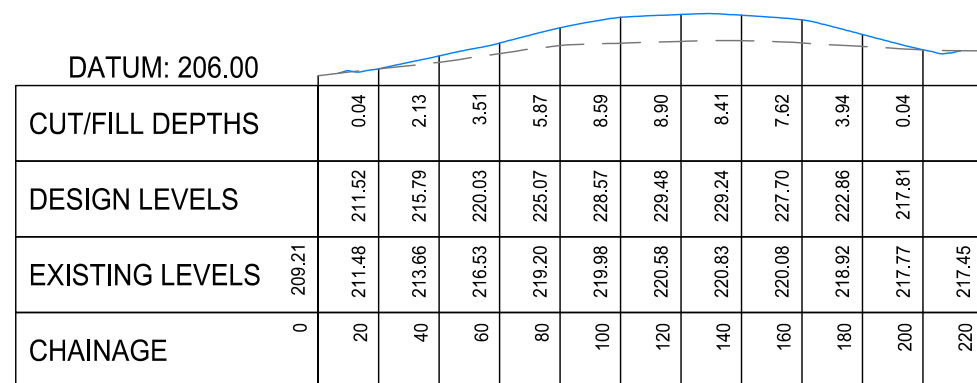
CROSS SECTION 1

SCALE - 1:2500



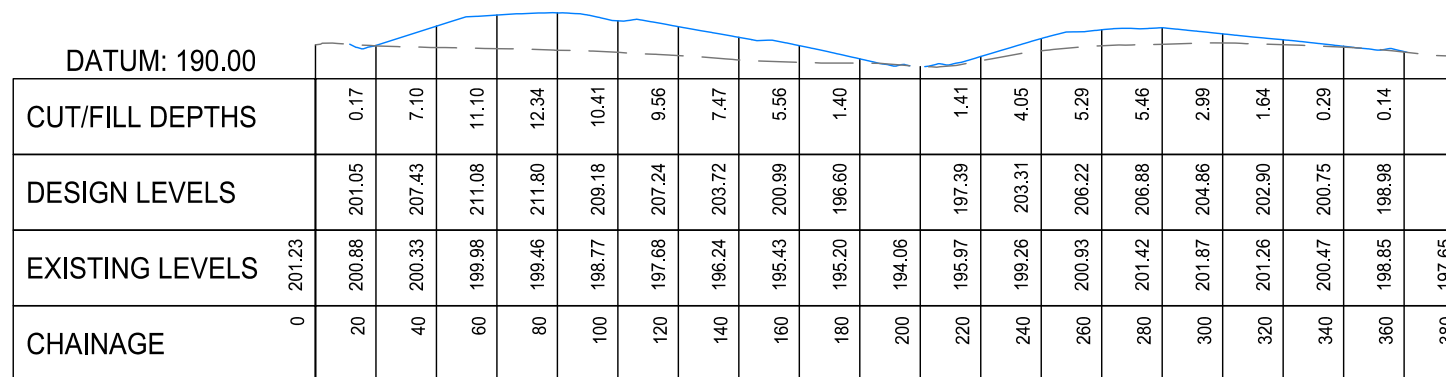
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SCALE - 1:2500



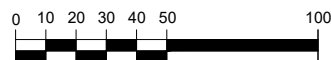
CROSS SECTION 6

SCALE - 1:2500



CROSS SECTION 2

SCALE - 1:2500



Scale 1:2500

NOT FOR CONSTRUCTION

[illegible]

NOTES

1. Existing Ground Contour data obtained from LiDAR 2016.

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED NORTHERN FILLING
AREA CROSS SECTIONS SHEET
2 OF 3



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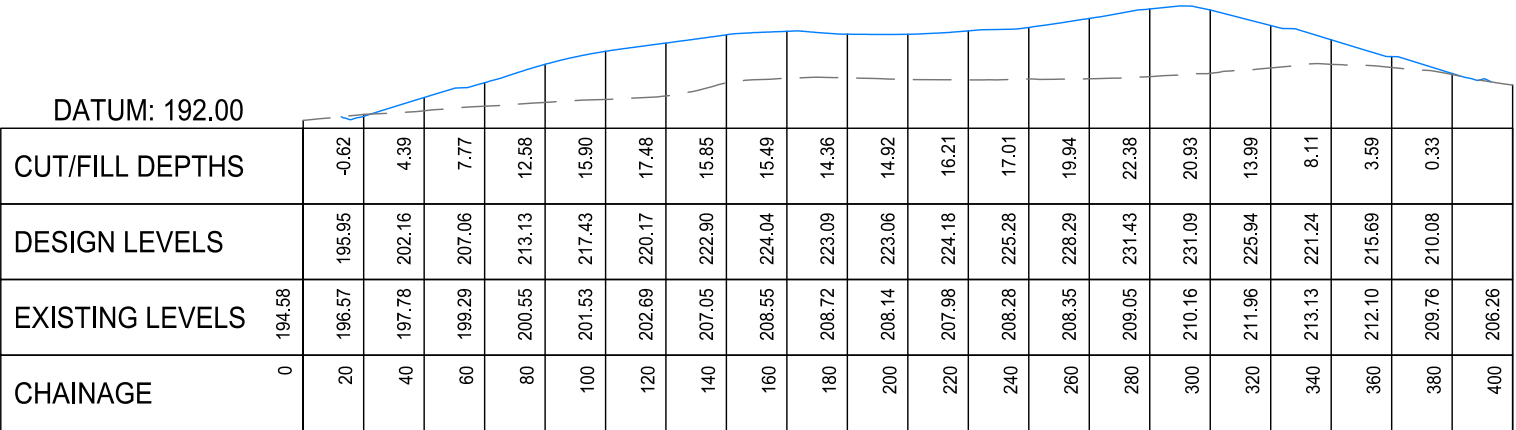
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DRAWING No	REVISION
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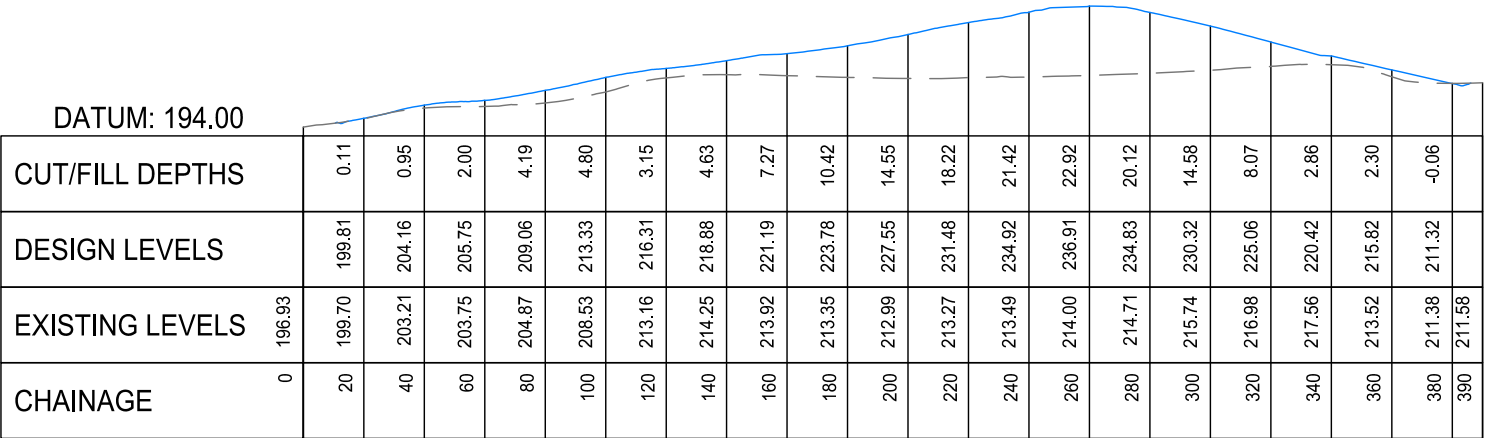
33250/113	A
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PROFILE VIEW LEGEND

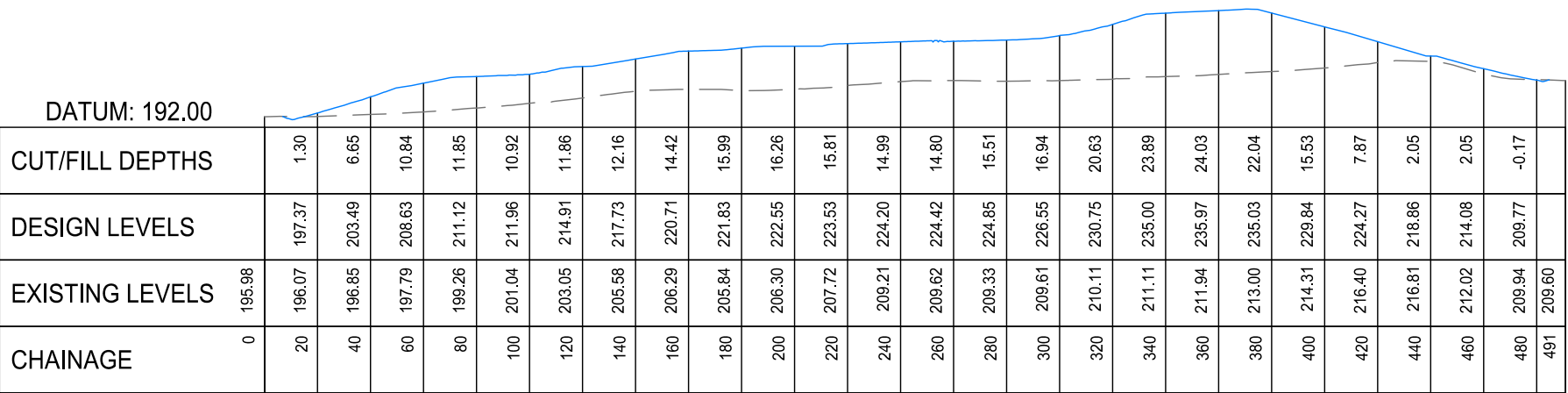
EXISTING GROUND
DESIGN GROUND



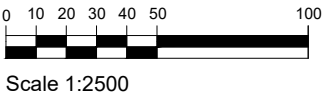
CROSS SECTION 4
SCALE - 1:2500



CROSS SECTION 5
SCALE - 1:2500



LONG SECTION A
SCALE - 1:2500



NOT FOR CONSTRUCTION

SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	POST SECTION 92 UPDATE			SF	22.10.25

NOTES

1. Existing Ground Contour data obtained from LiDAR 2016.

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED NORTHERN FILLING
AREA CROSS SECTIONS SHEET
3 OF 3



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NELSON 03 222 1132
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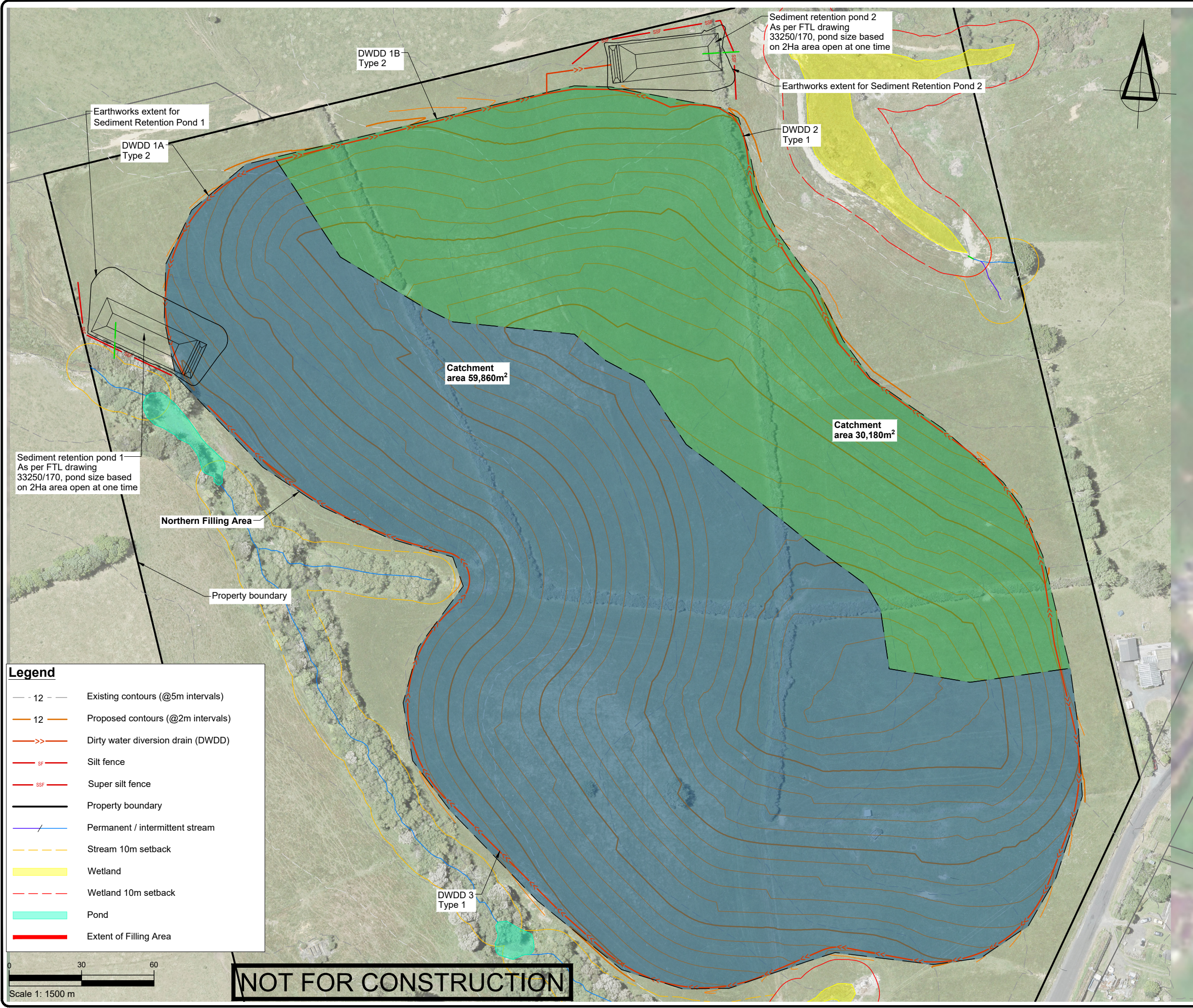
STATUS

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.

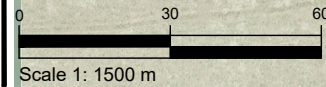
SCALE	AS SHOWN	(A3)
DRAWING No	33250/114	REVISION
		A

P:\33 series\33250\03 Drawings\33250-121-122.dwg, f:\ohra, 8/12/2025 12:00 pm



Legend

- 12 — Existing contours (@5m intervals)
- 12 — Proposed contours (@2m intervals)
- >> — Dirty water diversion drain (DWDD)
- SF — Silt fence
- SSF — Super silt fence
- — Property boundary
- / — Permanent / intermittent stream
- — Stream 10m setback
- — Wetland
- — Wetland 10m setback
- — Pond
- — Extent of Filling Area



NOT FOR CONSTRUCTION

SURVEYED			APPROVED	SF	DATE
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	SILT FENCE REMOVED			SF	15.01.25
B	SRP EARTHWORKS			MR	28.02.25
C	SRP DISCHARGE POINTS ADDED			SF	07.10.25
D	POST SECTION 92 UPDATE			SF	22.10.25

NOTES

- Existing Ground Contour data obtained from LiDAR 2016.
- Filling Area area will be staged. Open area to be progressively stabilised. Locations of final SRPs are shown indicatively, but other SRPs may be constructed as a part of the construction methodology.
- All works to be carried out in accordance with the Auckland Council Technical Publication GD05 Erosion and Sediment Control Guidelines for Land Disturbing Activities in the Auckland Region (GD05 June 2016).
- Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED NORTHERN
EROSION AND SEDIMENT
CONTROL PLAN

 **Fraser Thomas**

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STATUS

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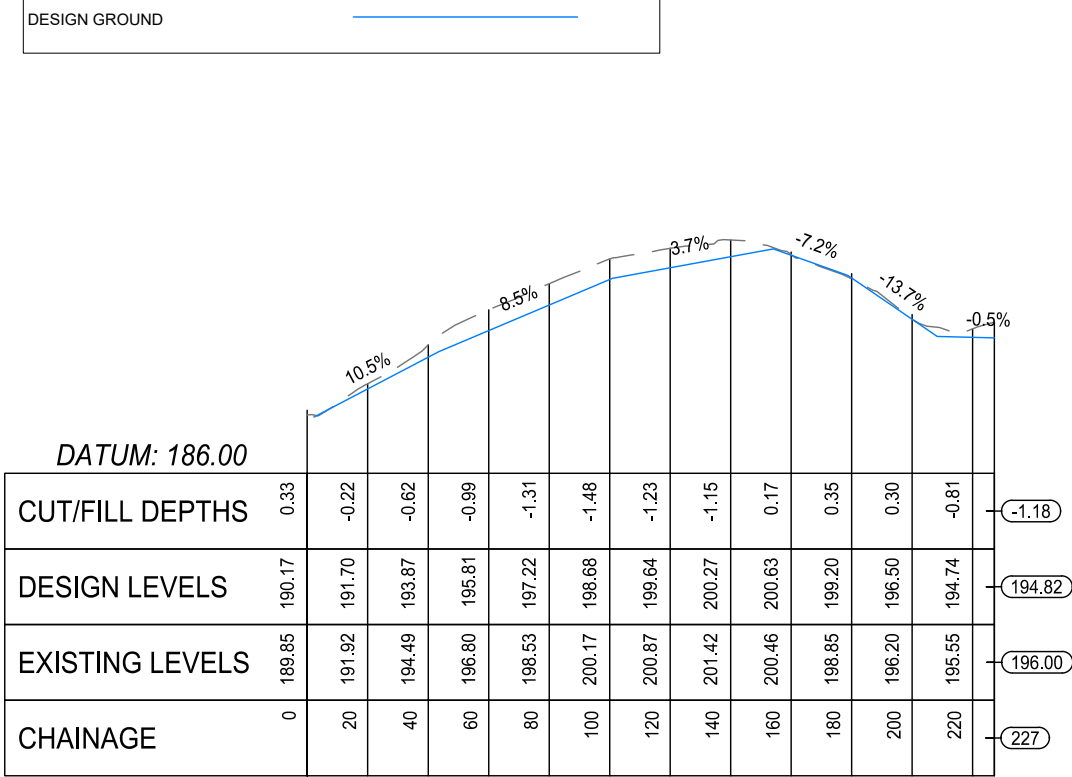
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:1500 (A3)

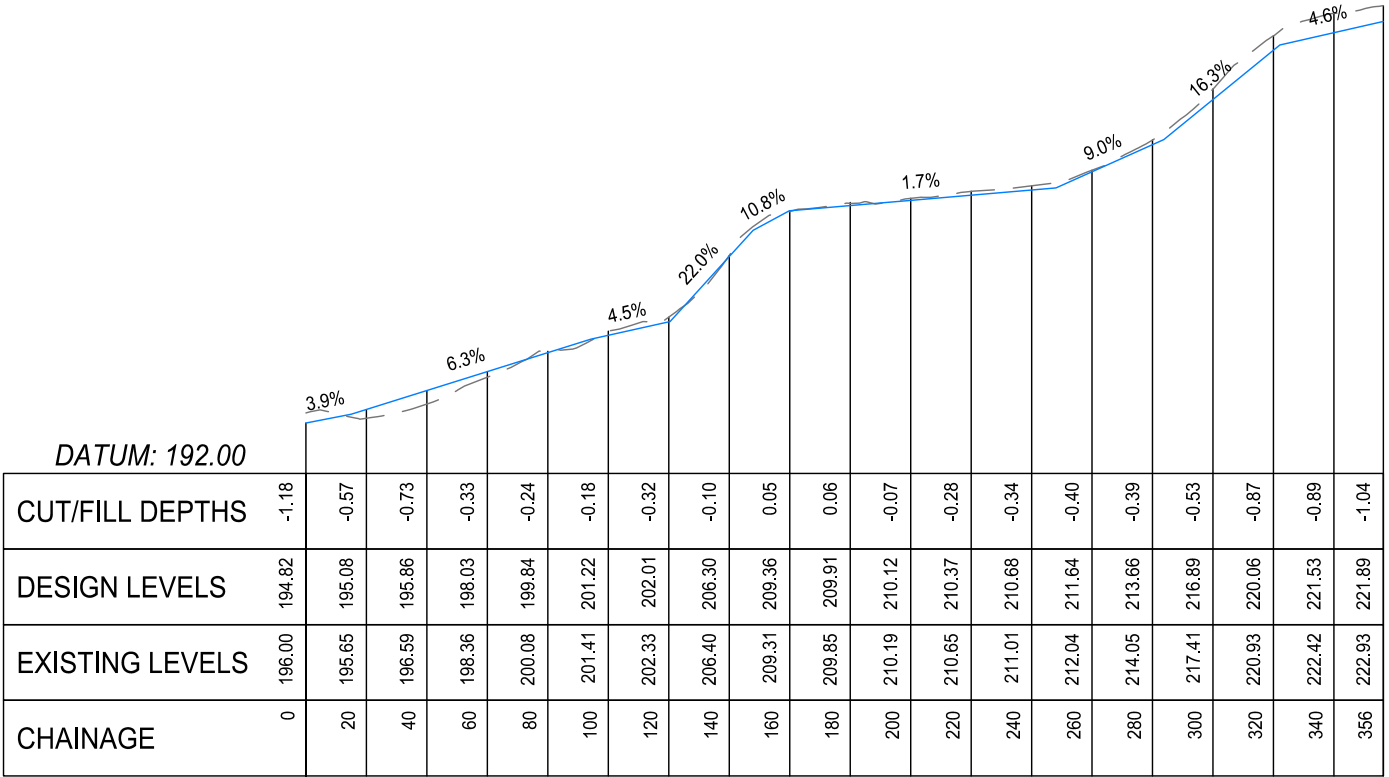
DRAWING No 33250/121 REVISION D

PROFILE VIEW LEGEND

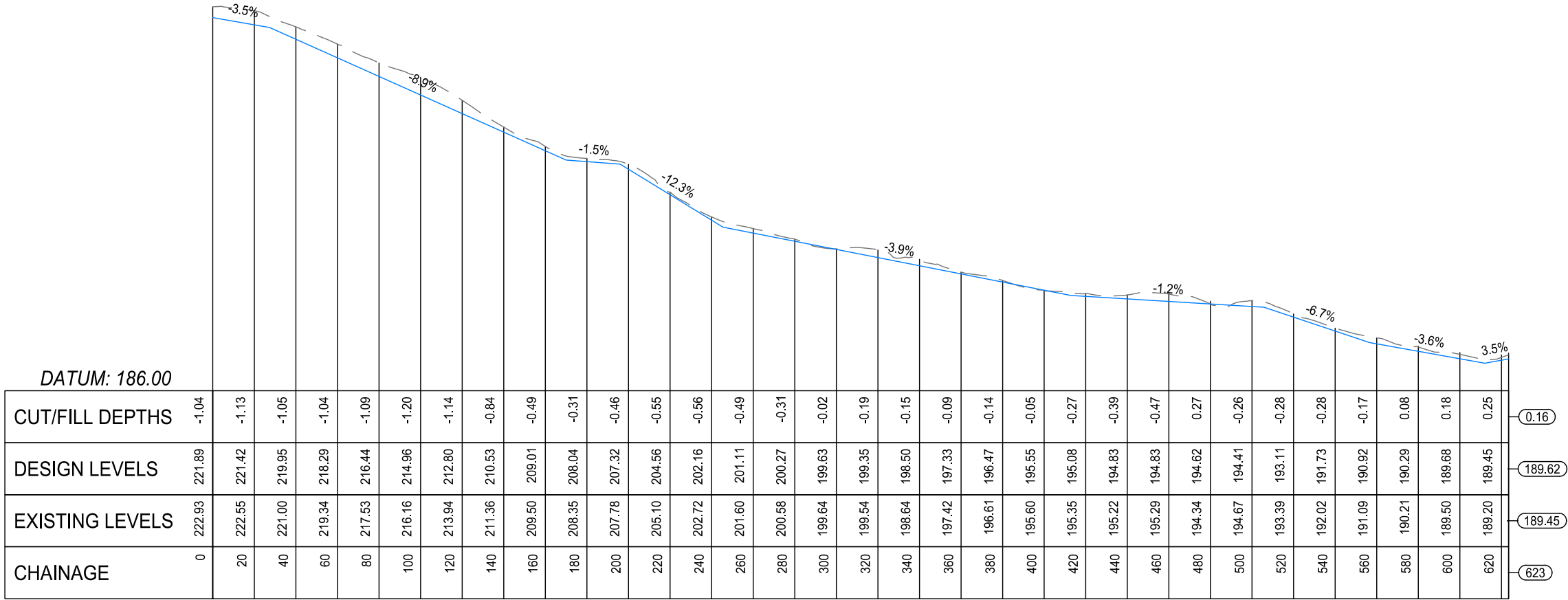
EXISTING GROUND
DESIGN GROUND



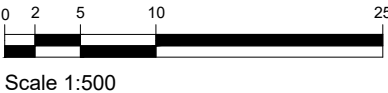
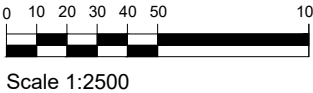
LONG SECTION DWDD 1A & 1B
SCALE - 1:2500 H, 1:500 V



LONG SECTION DWDD 2
SCALE - 1:2500 H, 1:500 V



LONG SECTION DWDD 3
SCALE - 1:2500 H, 1:500 V



NOT FOR CONSTRUCTION

SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE
A	POST SECTION 92 UPDATE		SF	22.10.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - All works to be carried out in accordance with the Auckland Council Technical Publication GD05 Erosion and Sediment Control Guidelines for Land Disturbing Activities in the Auckland Region (GD05 June 2016).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED NORTHERN DIRTY
WATER DIVERSION DRAIN LONG
SECTIONS

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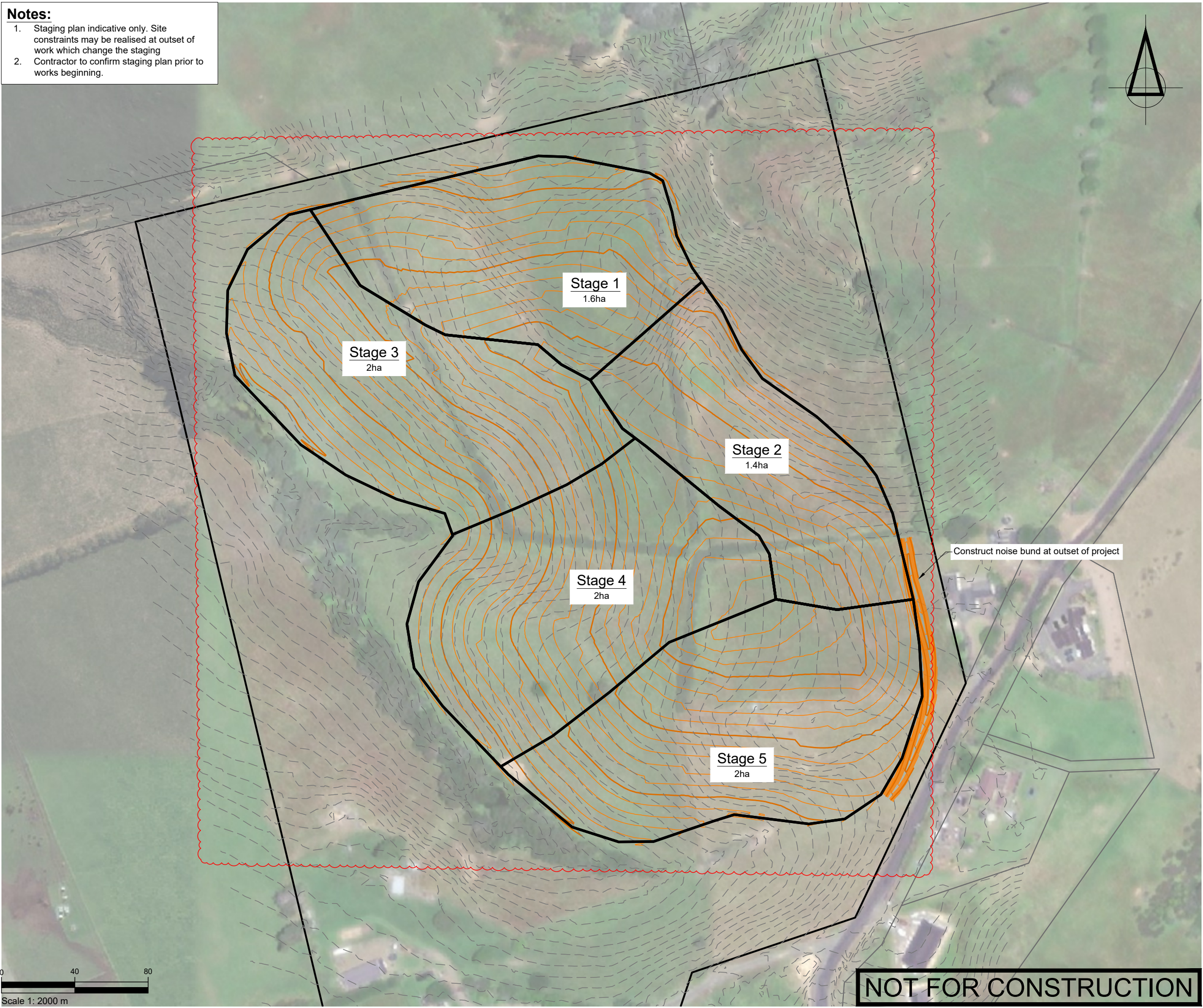
AUCKLAND 09 278 7078
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STATUS	
FOR RESOURCE CONSENT	
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.	
SCALE	AS SHOWN (A3)
DRAWING No	33250/122
REVISION	A

- Notes:**
- 1. Staging plan indicative only. Site constraints may be realised at outset of work which change the staging
 - 2. Contractor to confirm staging plan prior to works beginning.



SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	UPDATED STAGING			SF	07.02.25

NOTES

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

INDICATIVE NORTHERN FILLING
AREA STAGING PLAN



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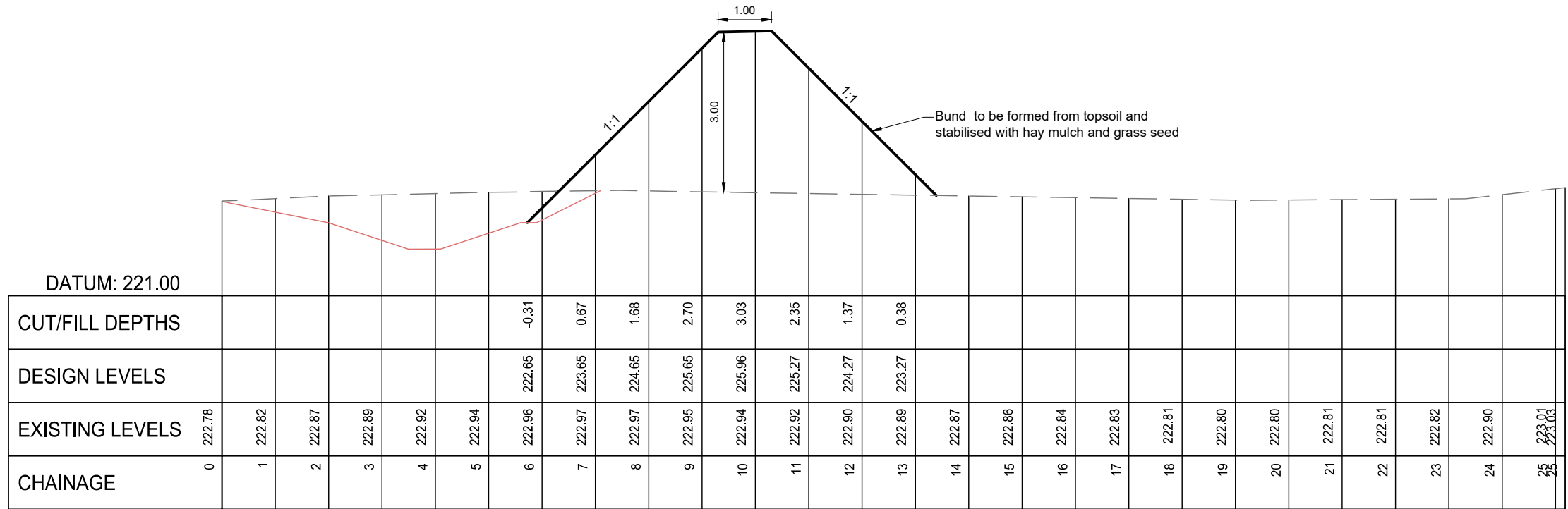
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE	1:2000	(A3)
DRAWING No	33250/130	REVISION
		A



NOISE BUND LOCATION PLAN

SCALE 1:1000



NOISE BUND CROSS SECTION

SCALE 1:100

SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	CROSS SECTION A & B ADDED			SF	15.01.25

NOTES

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
NOISE BUND DETAILS PLAN -
SHEET 1 OF 2



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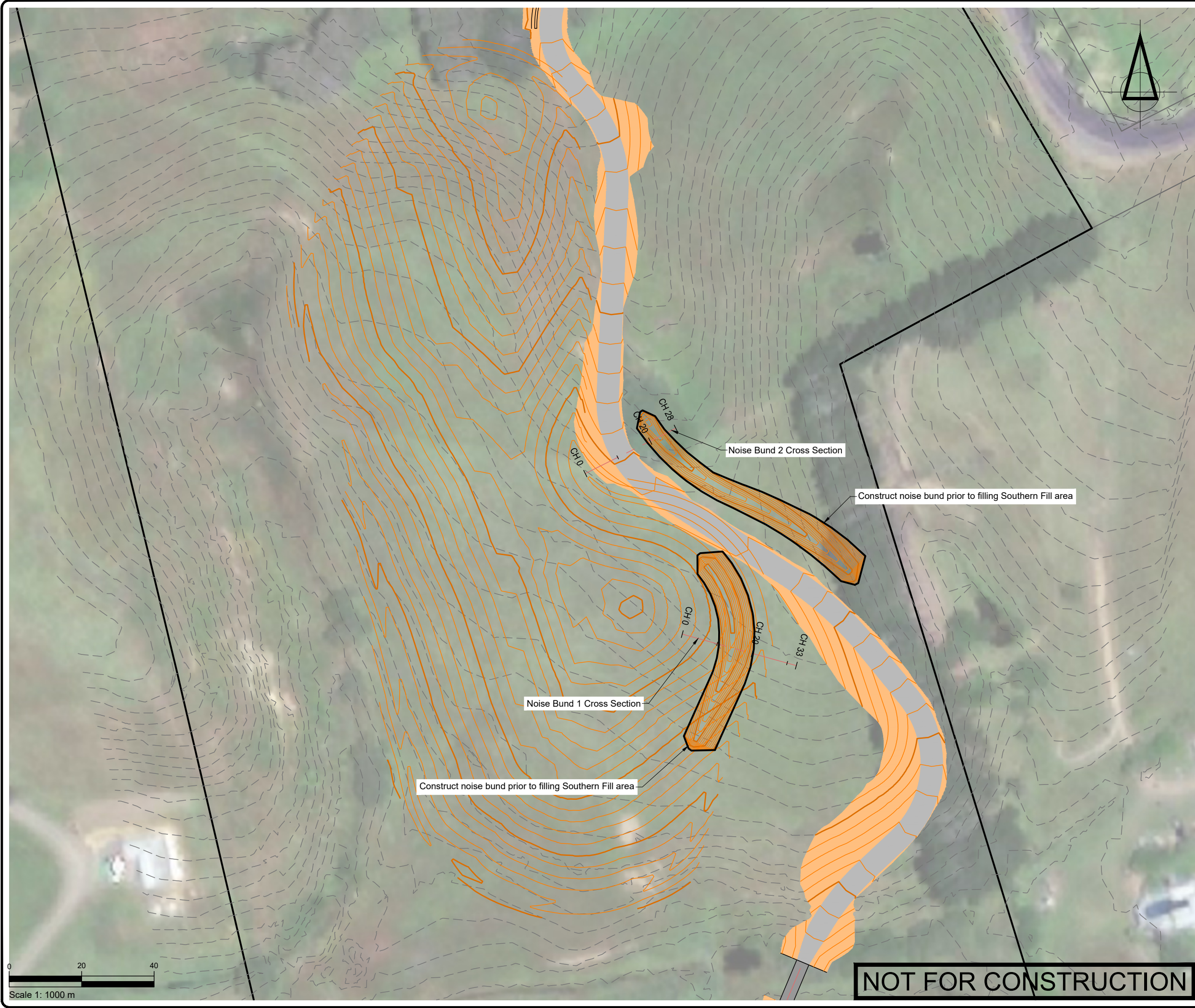
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE AS SHOWN (A3)
DRAWING No 33250/131 REVISION A

NOT FOR CONSTRUCTION

P:\33 series\33250\03 Drawings\33250-131-132.dwg, f.vohra, 8/12/2025 12:00 pm

P:\33 series\33250\03 Drawings\33250-133-134.dwg, f.vohra, 8/12/2025 12:00 pm



SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24		SF 10.10.25
DRAWN	FV	10.10.25		
CHECKED	SF	10.10.25		
REVISION	CHANGES		CHECKED	DATE
A	POST SECTION 92 UPDATE		SF	22.10.25

NOTES

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
SOUTHERN FILL NOISE BUNDS

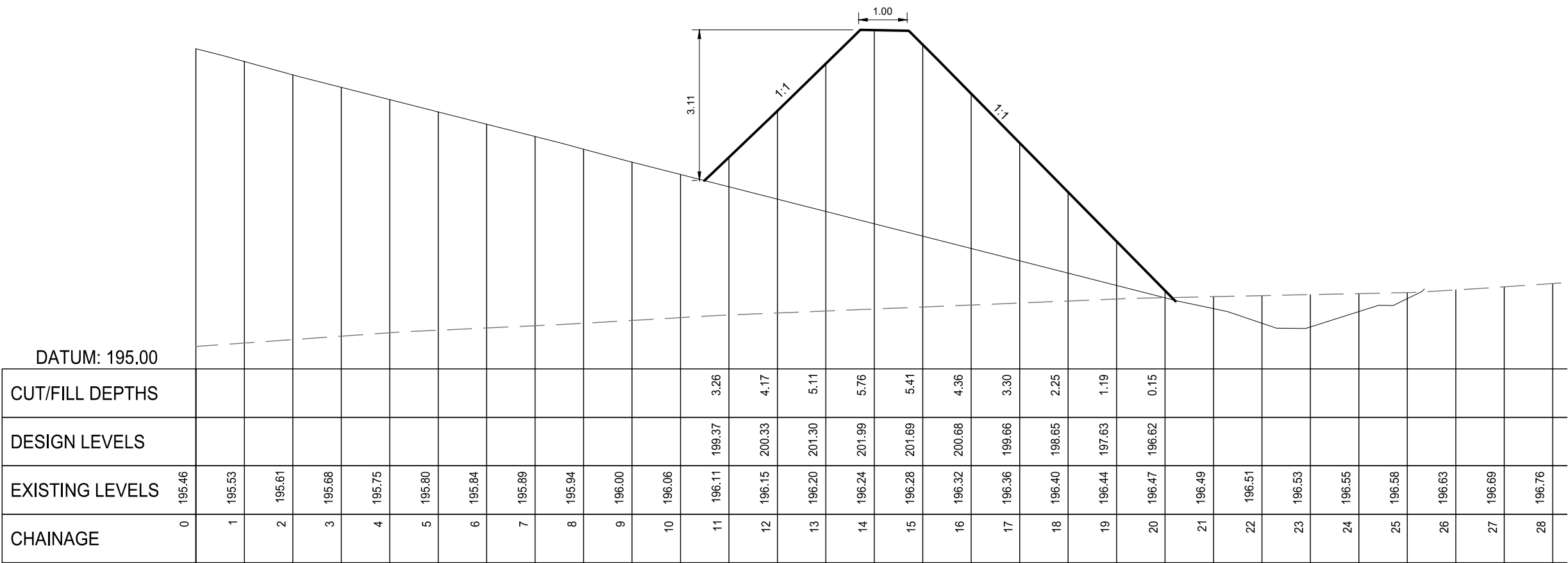


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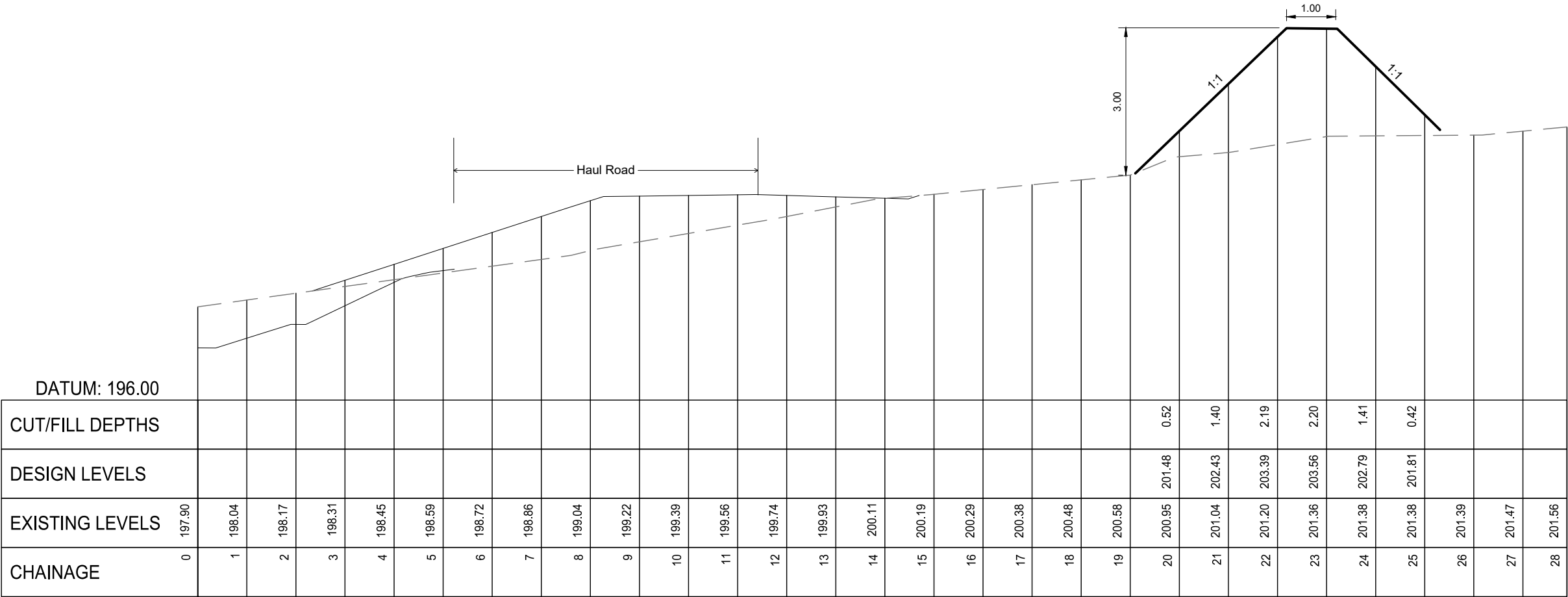
STATUS
FOR RESOURCE CONSENT
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE	1:1000	(A3)
DRAWING No	33250/133	REVISION A

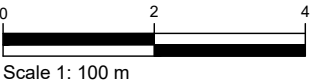
P:\33 series\33250\03 Drawings\33250-133-134.dwg, f:\vohra, 8/12/2025 12:00 pm



NOISE BUND 1 CROSS SECTION
SCALE 1:100



NOISE BUND 2 CROSS SECTION
SCALE 1:100



NOT FOR CONSTRUCTION

SURVEYED			APPROVED SF 10.10.25	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	10.10.25			
CHECKED	SF	10.10.25			
REVISION	CHANGES			CHECKED	DATE

NOTES

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

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PROJECT
362 JONES RD, HUNUA

TITLE
NOISE BUND DETAILS PLAN



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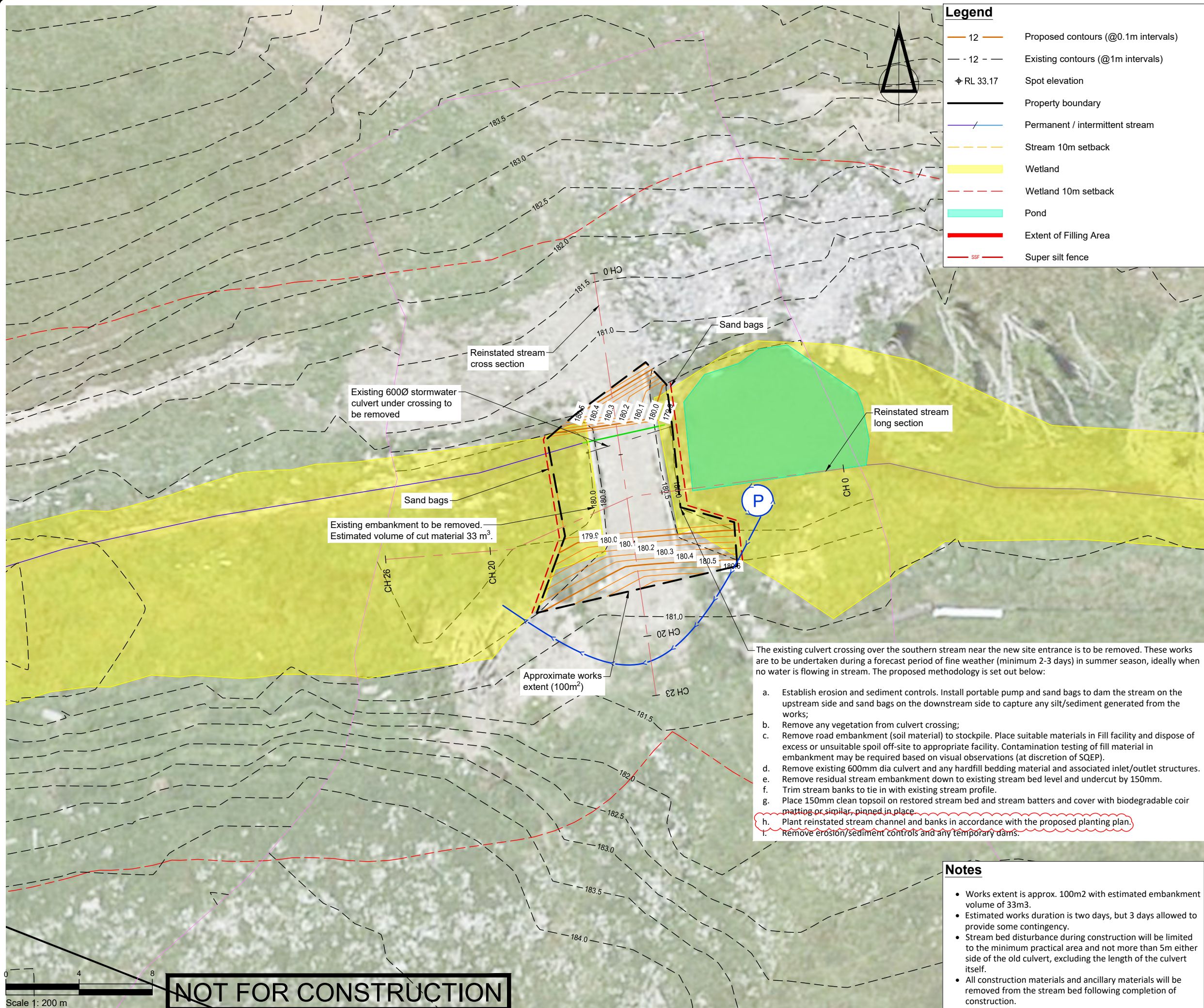
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SCALE AS SHOWN (A3)
DRAWING No 33250/134
REVISION -

P:\33 series\33250\03 Drawings\33250-140-141.dwg, gsingh, 8/12/2025 12:01 pm



Legend			
— 12 —	Proposed contours (@0.1m intervals)		
- - 12 - -	Existing contours (@1m intervals)		
⊕ RL 33.17	Spot elevation		
—	Property boundary		
— / —	Permanent / intermittent stream		
— — —	Stream 10m setback		
—	Wetland		
- - -	Wetland 10m setback		
—	Pond		
—	Extent of Filling Area		
— SSF —	Super silt fence		

SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	SILT FENCE REPLACED WITH SAND BAGS			SF	15.01.25
B	UPDATED NOTES			SF	10.02.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016 and FTL survey conducted on 04/04/2024
 - Streams, wetlands and ponds from Boffa Miskell Ecological Report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
REMOVAL OF EXISTING STREAM CROSSING

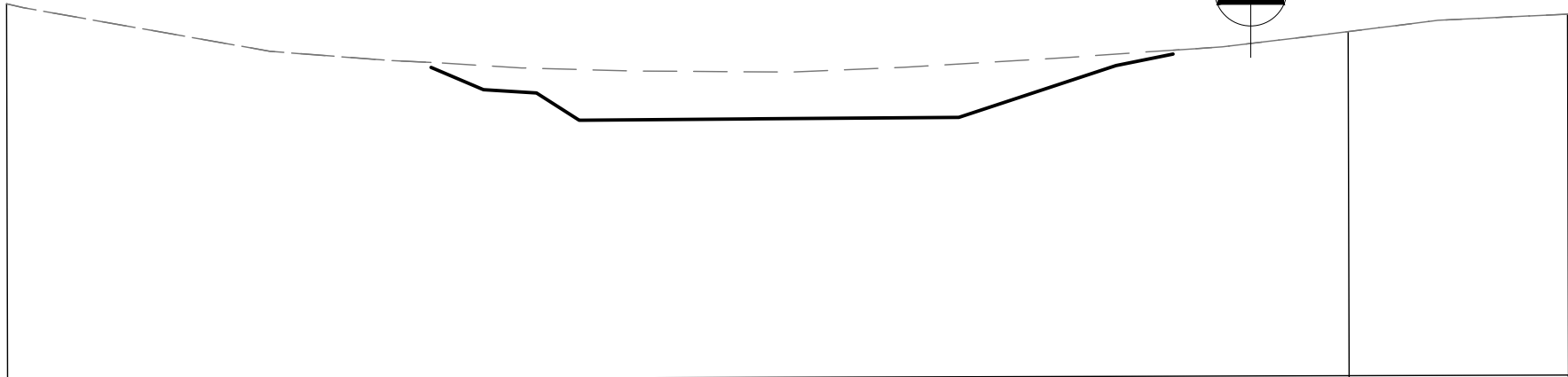
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SCALE 1:200 (A3)
DRAWING No 33250/140 REVISION B

- The existing culvert crossing over the southern stream near the new site entrance is to be removed. These works are to be undertaken during a forecast period of fine weather (minimum 2-3 days) in summer season, ideally when no water is flowing in stream. The proposed methodology is set out below:
- Establish erosion and sediment controls. Install portable pump and sand bags to dam the stream on the upstream side and sand bags on the downstream side to capture any silt/sediment generated from the works;
 - Remove any vegetation from culvert crossing;
 - Remove road embankment (soil material) to stockpile. Place suitable materials in Fill facility and dispose of excess or unsuitable spoil off-site to appropriate facility. Contamination testing of fill material in embankment may be required based on visual observations (at discretion of SQEP).
 - Remove existing 600mm dia culvert and any hardfill bedding material and associated inlet/outlet structures.
 - Remove residual stream embankment down to existing stream bed level and undercut by 150mm.
 - Trim stream banks to tie in with existing stream profile.
 - Place 150mm clean topsoil on restored stream bed and stream batters and cover with biodegradable coir matting or similar, pinned in place.
 - Plant reinstated stream channel and banks in accordance with the proposed planting plan.
 - Remove erosion/sediment controls and any temporary dams.

- Notes**
- Works extent is approx. 100m2 with estimated embankment volume of 33m3.
 - Estimated works duration is two days, but 3 days allowed to provide some contingency.
 - Stream bed disturbance during construction will be limited to the minimum practical area and not more than 5m either side of the old culvert, excluding the length of the culvert itself.
 - All construction materials and ancillary materials will be removed from the stream bed following completion of construction.

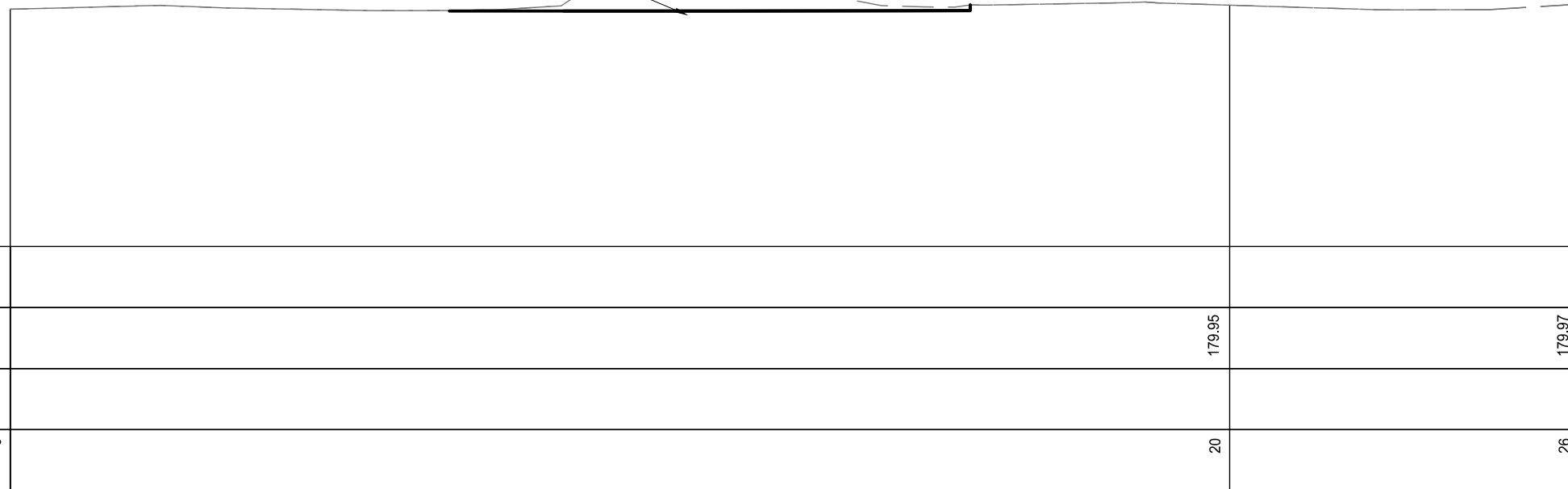
NOT FOR CONSTRUCTION



DATUM: 176.00		
CUT/FILL DEPTHS		
DESIGN LEVELS	181.60	181.13
EXISTING LEVELS		
CHAINAGE	0	20

REINSTATED STREAM CROSS SECTION

Average Gradient 0.3%.



REINSTATED STREAM LONG SECTION

[illegible]

- NOTES
1. Existing Ground Contour data obtained from LiDAR 2016 and FTL survey conducted on 04/04/2024
 2. Streams, wetlands and ponds from Boffa Miskell Ecological Report (2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

LONG SECTION AND CROSS SECTION OF REINSTATED STREAM AND WETLAND



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SCALE 1:200 (A3)

DRAWING No	REVISION
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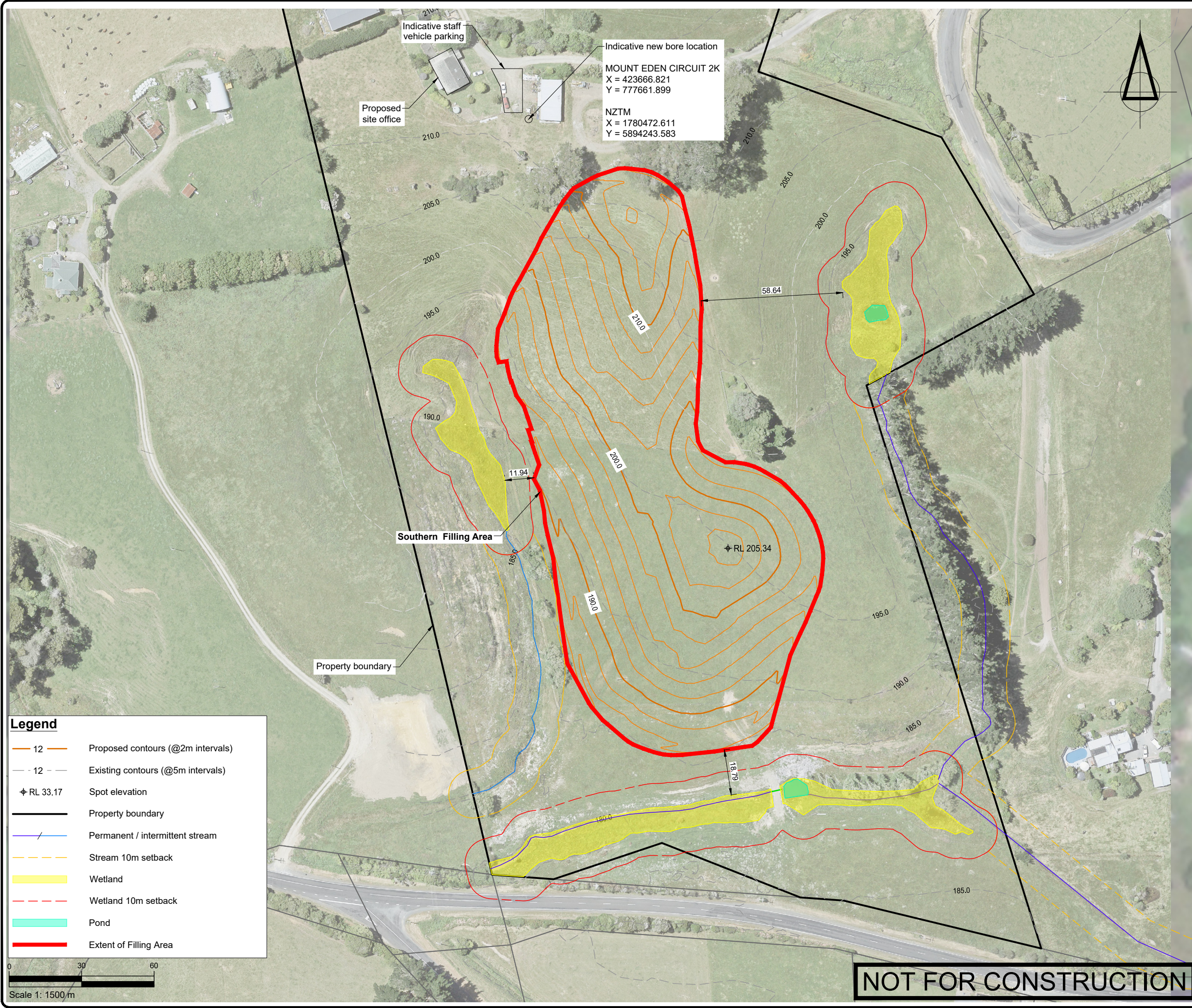
33250/141 -



Scale 1: 100 m

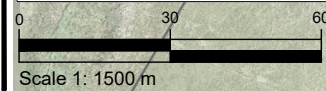
NOT FOR CONSTRUCTION

P:\33 series\33250\03 Drawings\33250-150.dwg, f:\ohra, 8/12/2025 12:01 pm



Legend

— 12 —	Proposed contours (@2m intervals)
- - 12 - -	Existing contours (@5m intervals)
⊕ RL 33.17	Spot elevation
—	Property boundary
— / —	Permanent / intermittent stream
- - - -	Stream 10m setback
Yellow fill	Wetland
- - - -	Wetland 10m setback
Green fill	Pond
Red outline	Extent of Filling Area



SURVEYED	TB	06.09.24	APPROVED	SF	DATE
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	PROPOSED BORE COORDINATED ADDED			SF	15.01.25

NOTES

- Existing Ground Contour data obtained from LiDAR 2016.
- Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED SOUTHERN FILLING AREA DEVELOPMENT SITE PLAN

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STATUS

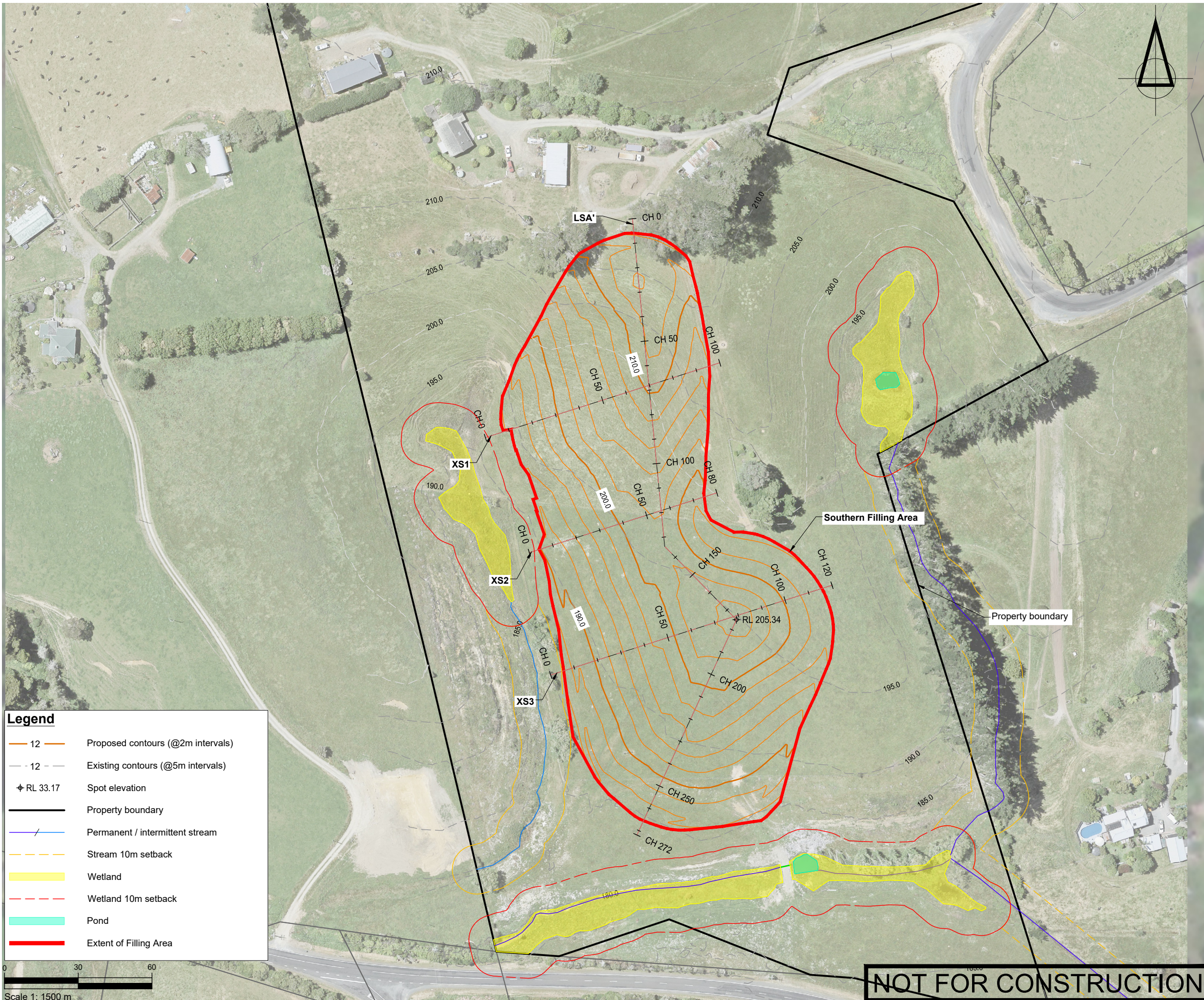
FOR RESOURCE CONSENT

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SCALE 1:1500 (A3)

DRAWING No 33250/150 REVISION A

P:\333 series\33250\03 Drawings\33250-151-152.dwg, f:\vohra, 8/12/2025 12:01 pm



Legend

12

Proposed contours (@2m intervals)

12

Existing contours (@5m intervals)

Spot elevation

Property boundary

Permanent / intermittent stream

Stream 10m setback

Wetland

Wetland 10m setback

Pond

Extent of Filling Area

SURVEYED	TB	06.09.24	APPROVED	SF	DATE
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE

- NOTES
1.

Existing Ground Contour data obtained from LiDAR 2016.
2.

Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED SOUTHERN FILLING
AREA CROSS SECTION PLAN

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HAWKE'S BAY

06 211 2766

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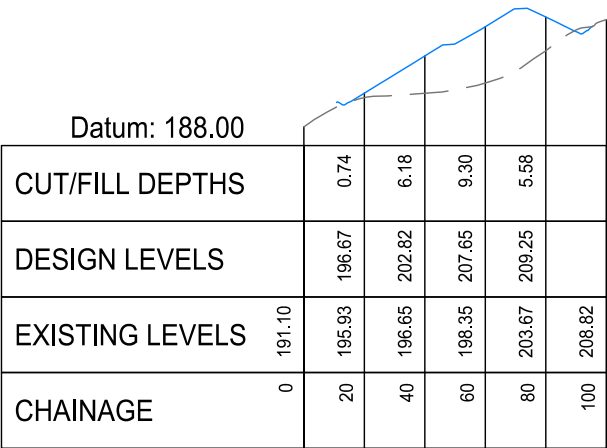
SCALE: 1:1500 (A3)

DRAWING No: 33250/151

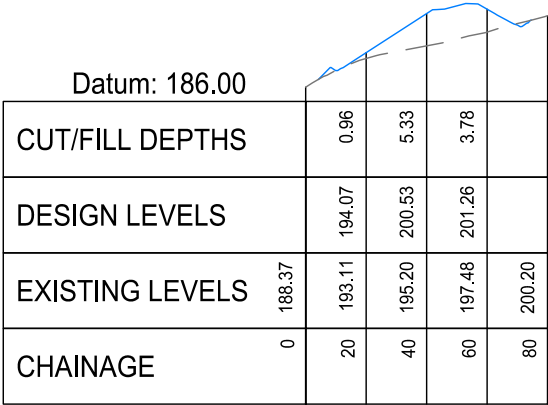
REVISION: -

PROFILE VIEW LEGEND

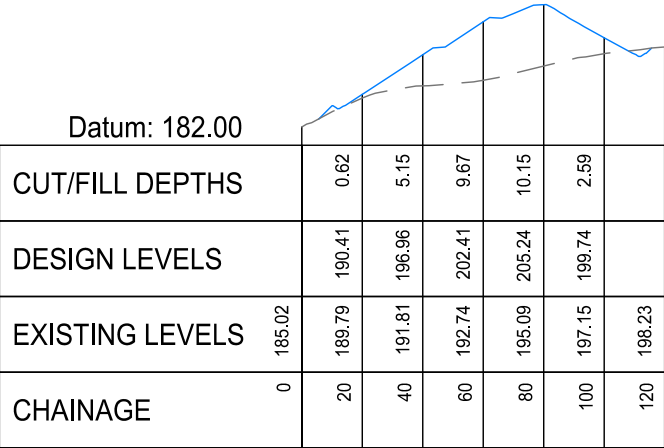
EXISTING GROUND
DESIGN GROUND



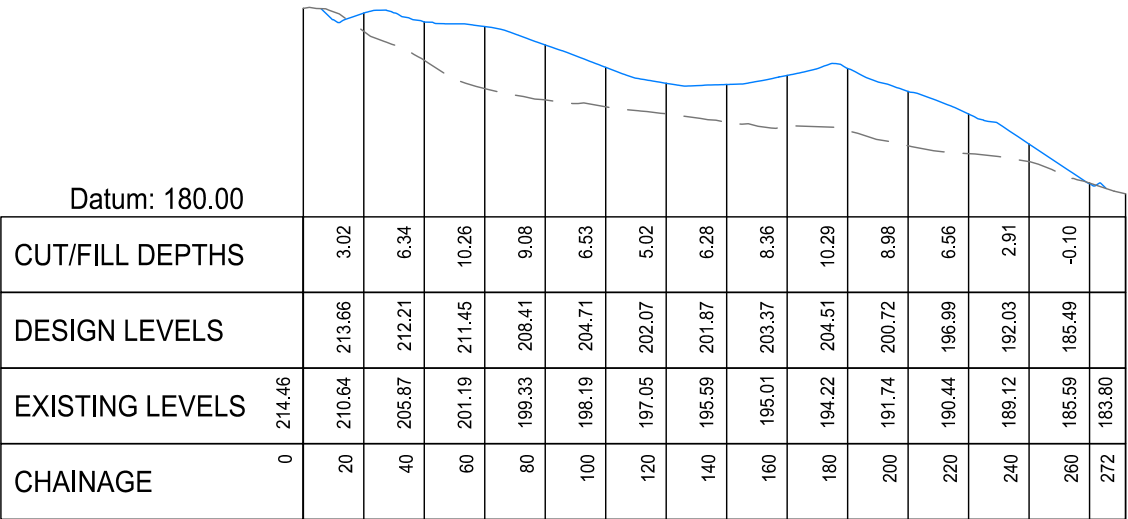
CROSS SECTION 1
SCALE - 1:2500 H, 1:1000 V



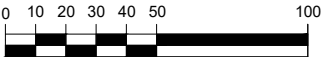
CROSS SECTION 2
SCALE - 1:2500 H, 1:1000 V



CROSS SECTION 3
SCALE - 1:2500 H, 1:1000 V



LONG SECTION A'
SCALE - 1:2500 H, 1:1000 V



Scale 1:2500



Scale 1:1000

SURVEYED			APPROVED		DATE
DESIGNED		TB	06.09.24		SF 27.09.24
DRAWN		FV	06.09.24		
CHECKED		TB	06.09.24		
REVISION	CHANGES			CHECKED	DATE

NOTES
Existing Ground Contour data obtained from LiDAR 2016.

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED SOUTHERN FILLING
AREA CROSS SECTIONS SHEET
1 OF 1

Fraser

Thomas

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HAWKE'S BAY 06 211 2766
CHRISTCHURCH 03 358 5936
BLENHEIM 03 428 3292
NELSON 03 222 1132
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STATUS

FOR RESOURCE CONSENT

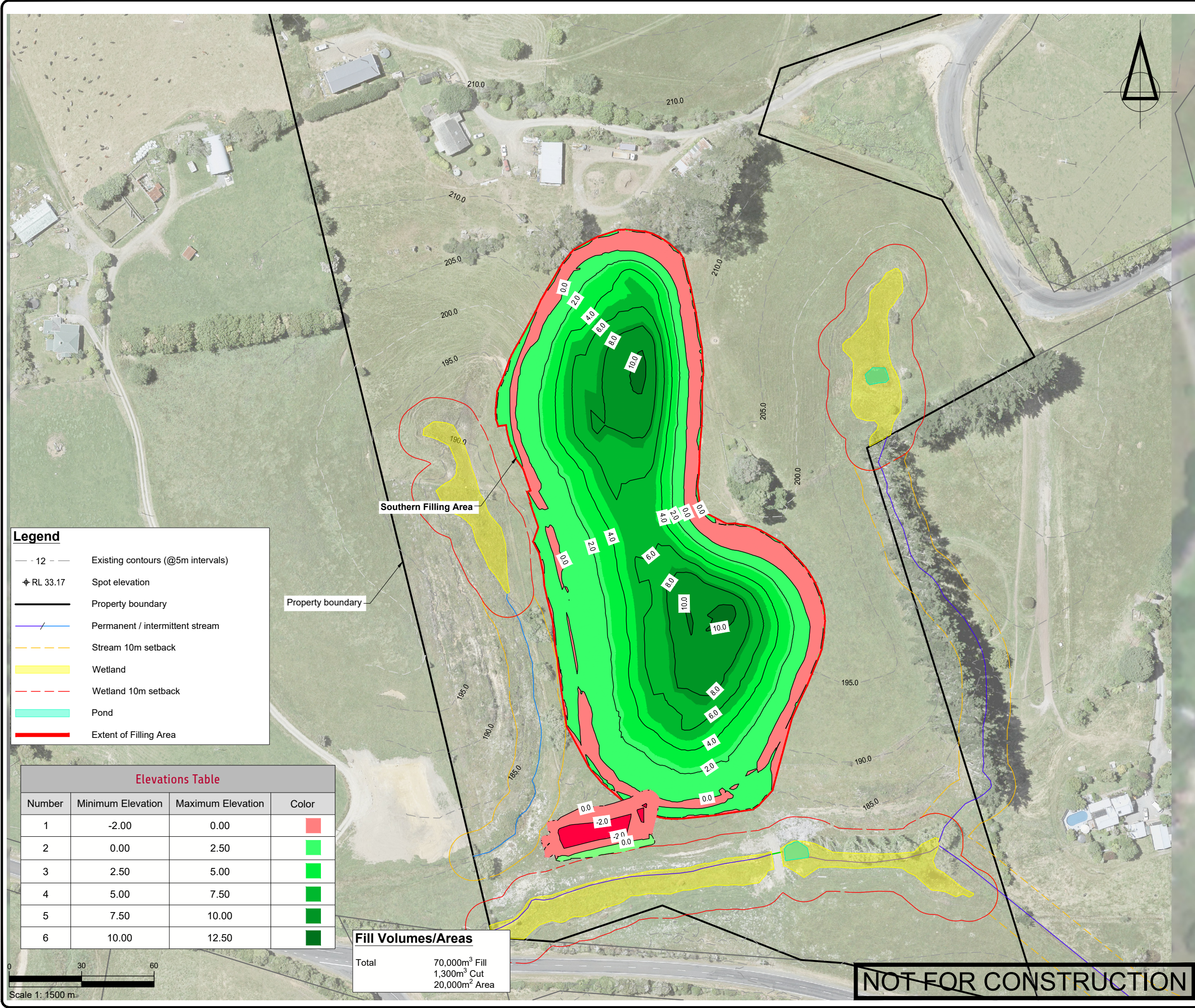
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE AS SHOWN (A3)

DRAWING No 33250/152 REVISION -

NOT FOR CONSTRUCTION

P:\333 series\33250\03 Drawings\33250-160.dwg, mru.sh, 8/12/2025 12:01 pm



SURVEYED	TB	06.09.24	APPROVED	SF	DATE
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	SRP EARTHWORKS			MR	28.02.25

- NOTES
- Existing Ground Contour data obtained from LIDAR 2016.
 - All works to be carried out in accordance with the Auckland Council Technical Publication GD05 Erosion and Sediment Control Guidelines for Land Disturbing Activities in the Auckland Region (GD05 June 2016).
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

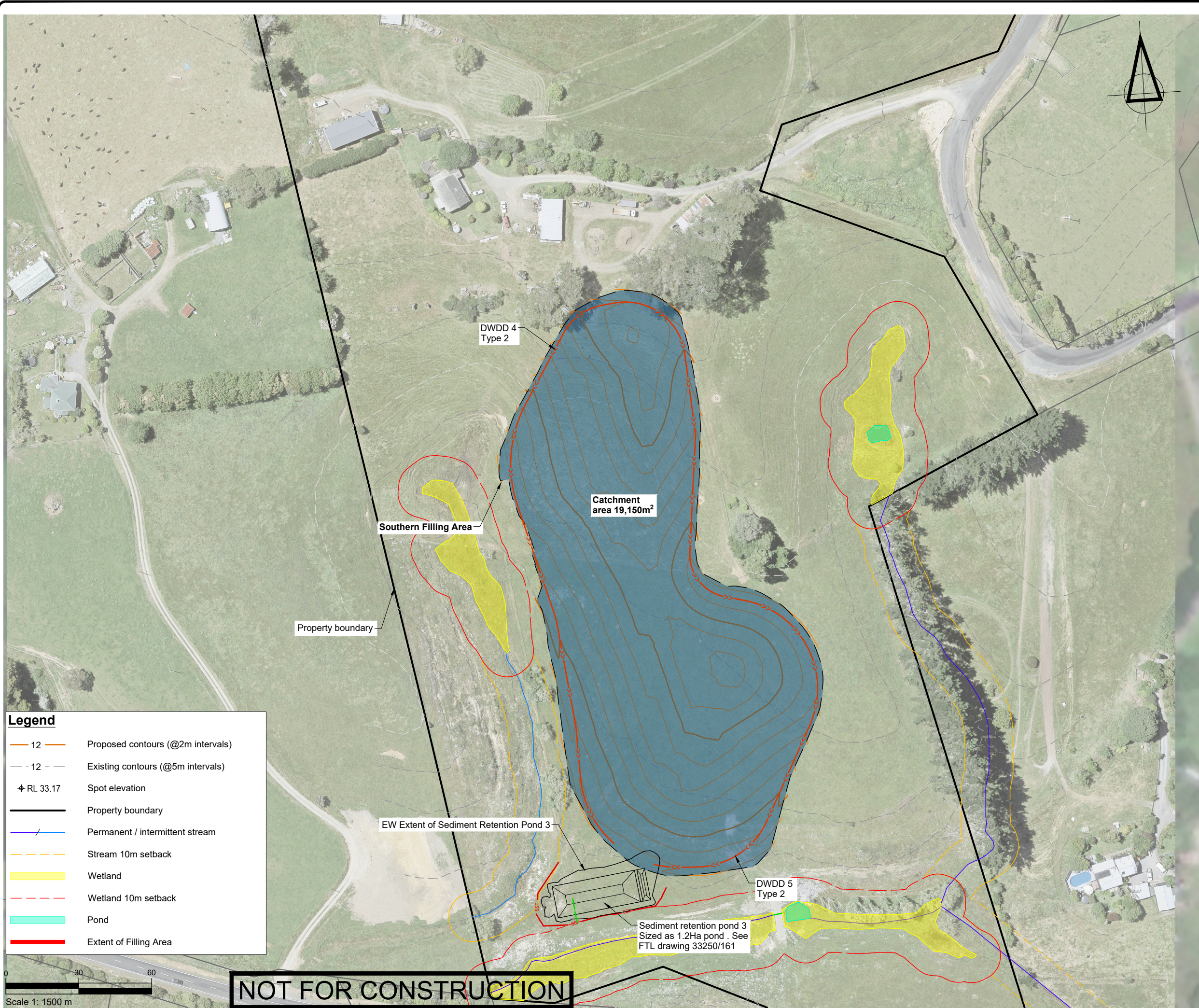
TITLE
PROPOSED SOUTHERN FILLING
AREA CUT AND FILL SITE PLAN

Fraser Thomas
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HAWKE'S BAY 06 211 2766
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SCALE 1:1500 (A3)
DRAWING No 33250/160 REVISION A

P:\33 series\33250\03 Drawings\33250-161-162.dwg, f:\vohra, 8/12/2025 12:01 pm



Legend	
— 12	Proposed contours (@2m intervals)
- - - 12	Existing contours (@5m intervals)
✦ RL 33.17	Spot elevation
—	Property boundary
— / —	Permanent / intermittent stream
---	Stream 10m setback
■	Wetland
---	Wetland 10m setback
■	Pond
---	Extent of Filling Area

SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	SRP EARTHWORKS			MR	28.02.25
B	SRP DISCHARGE POINTS ADDED			SF	07.10.25
	</				

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Filling Area area will be staged. Open area to be progressively stabilised. Locations of final SRPs are shown indicatively, but other SRPs may be constructed as a part of the construction methodology.
 - All works to be carried out in accordance with the Auckland Council Technical Publication GD05 Erosion and Sediment Control Guidelines for Land Disturbing Activities in the Auckland Region (GD05 June 2016).
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
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PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED SOUTHERN
EROSION AND SEDIMENT
CONTROL PLAN



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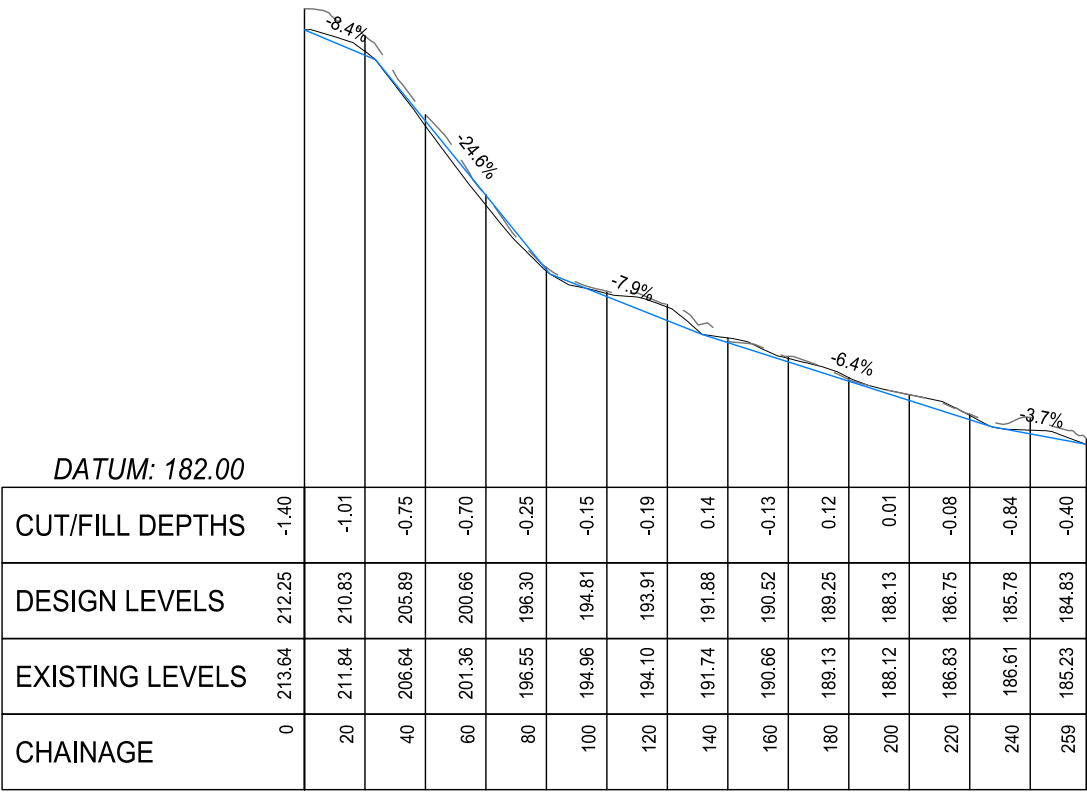
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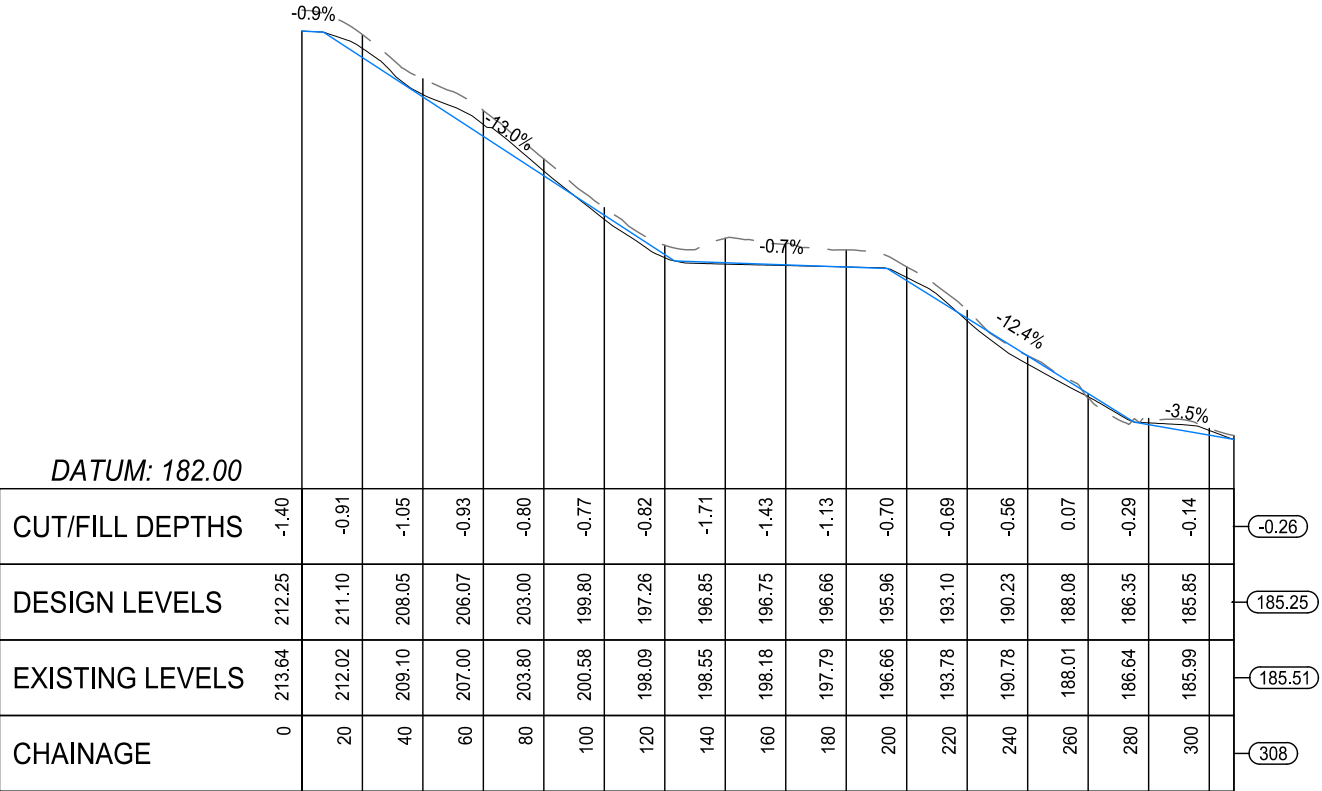
SCALE 1:1500 (A3)
DRAWING No 33250/161 REVISION B

PROFILE VIEW LEGEND

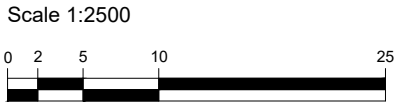
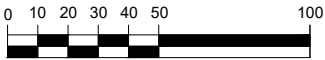
EXISTING GROUND
DESIGN GROUND



LONG SECTION DWDD 4
SCALE - 1:2500 H, 1:500 V



LONG SECTION DWDD 5
SCALE - 1:2500 H, 1:500 V



NOT FOR CONSTRUCTION

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DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - All works to be carried out in accordance with the Auckland Council Technical Publication GD05 Erosion and Sediment Control Guidelines for Land Disturbing Activities in the Auckland Region (GD05 June 2016).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED SOUTHERN DIRTY
WATER DIVERSION DRAIN LONG
SECTIONS



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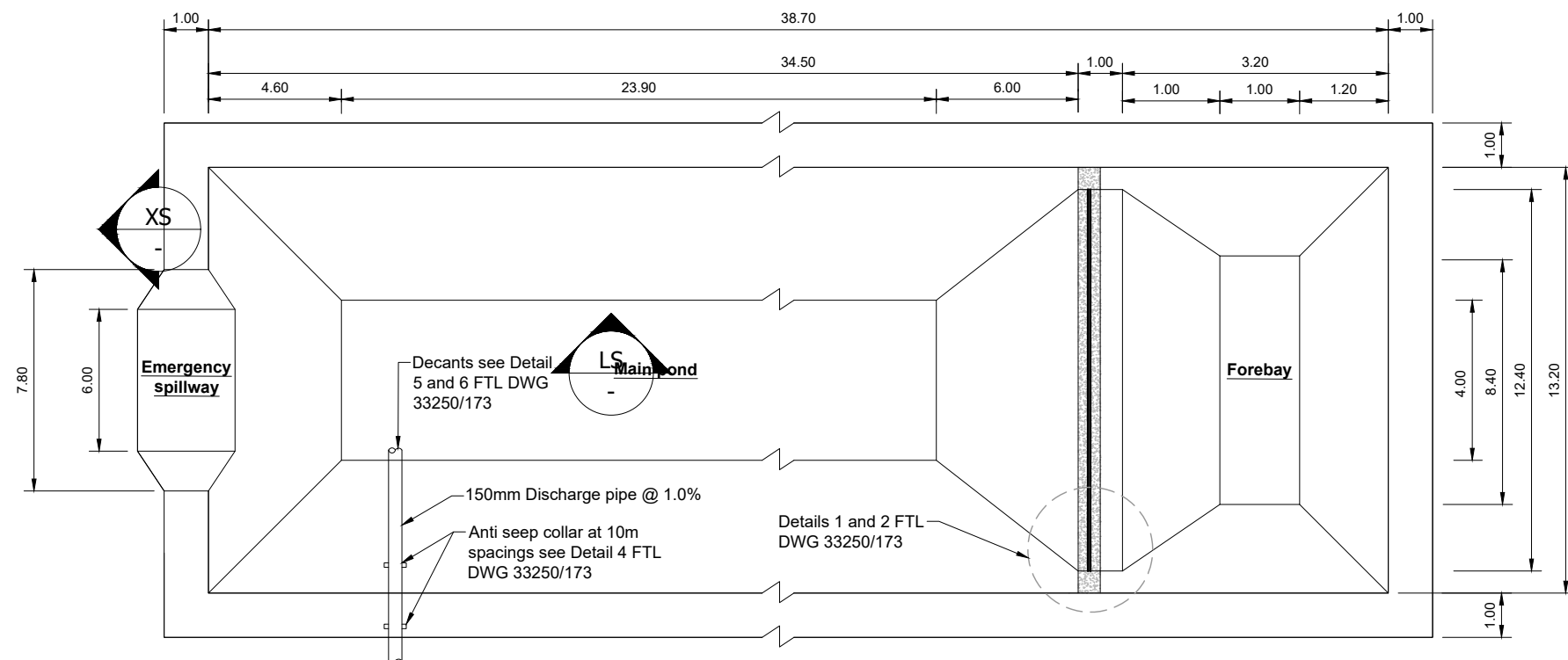
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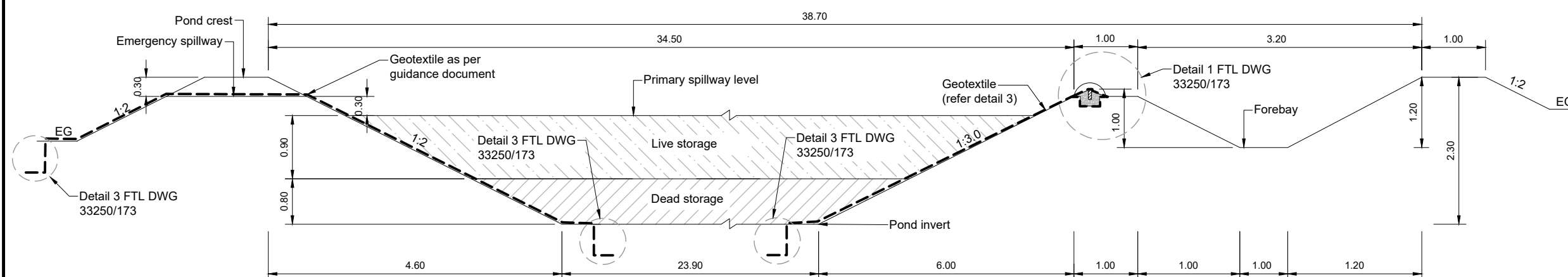
SCALE	AS SHOWN	(A3)
DRAWING No	33250/162	REVISION
		-

SEDIMENT RETENTION POND DETAILS	
Item	Southern Area
Catchment Area (ha)	12
Design Volume (3% criteria) (m³)	360
Dead Storage (m³)	108
Live Storage (m³)	252
Freeboard (m)	0.3000
Side Slopes	1V:2H
Decants	1 x standard decants with 160 holes
Discharge Pipe	150
Primary Spillway	150mm riser pipe
Secondary Spillway	7.8m base width, 0.3m depth, 1V:3H side slopes



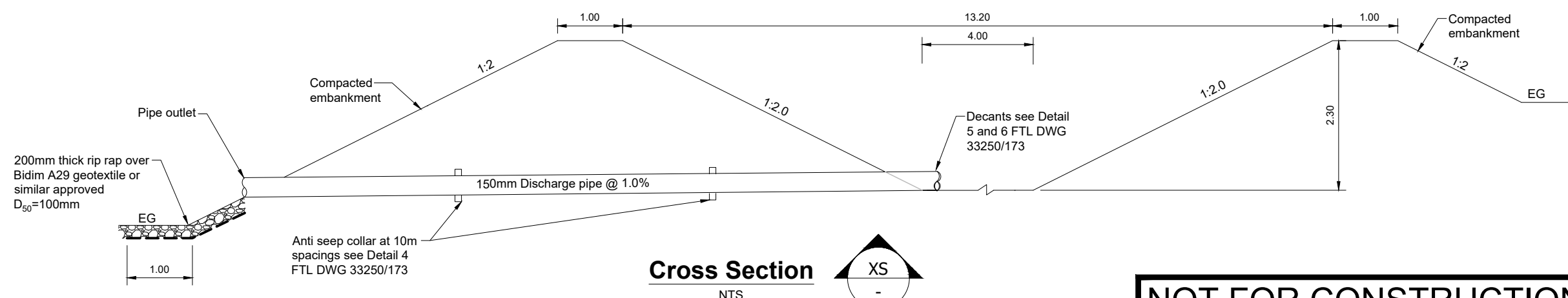
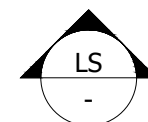
Sediment Retention Pond Plan

NTS



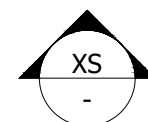
Long Section

NTS



Cross Section

NTS



NOT FOR CONSTRUCTION

[illegible]

NOTES

1. Location and alignment of discharge pipe may vary depending on pond orientation and site contours

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

INDICATIVE SEDIMENT RETENTION POND SIZING - 1.2HA POND



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ENGINEERS	RESOURCE MANAGERS	CONVERTERS
AUCKLAND		09 278 7078
HAWKE'S BAY		06 211 2766
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BLenheim		03 428 3292
NELSON		03 222 1132
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SCALE AS SHOWN

(A3)

DRAWING No.

33250-172

REVISION

A



Diagram illustrating the connection between two roof sections, Section A and Section B, showing the overlap of wooden battens and the use of staples and screws to secure the joint.

- Overlap wooden battens
- Staple
- Section B
- Section A
- Screw together
- Staple

Silt Fence Standard Fabric Join



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

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[illegible]

NOTES

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

EROSION AND SEDIMENT
CONTROL DETAILS SHEET 1



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AUCKLAND	09 278 7078
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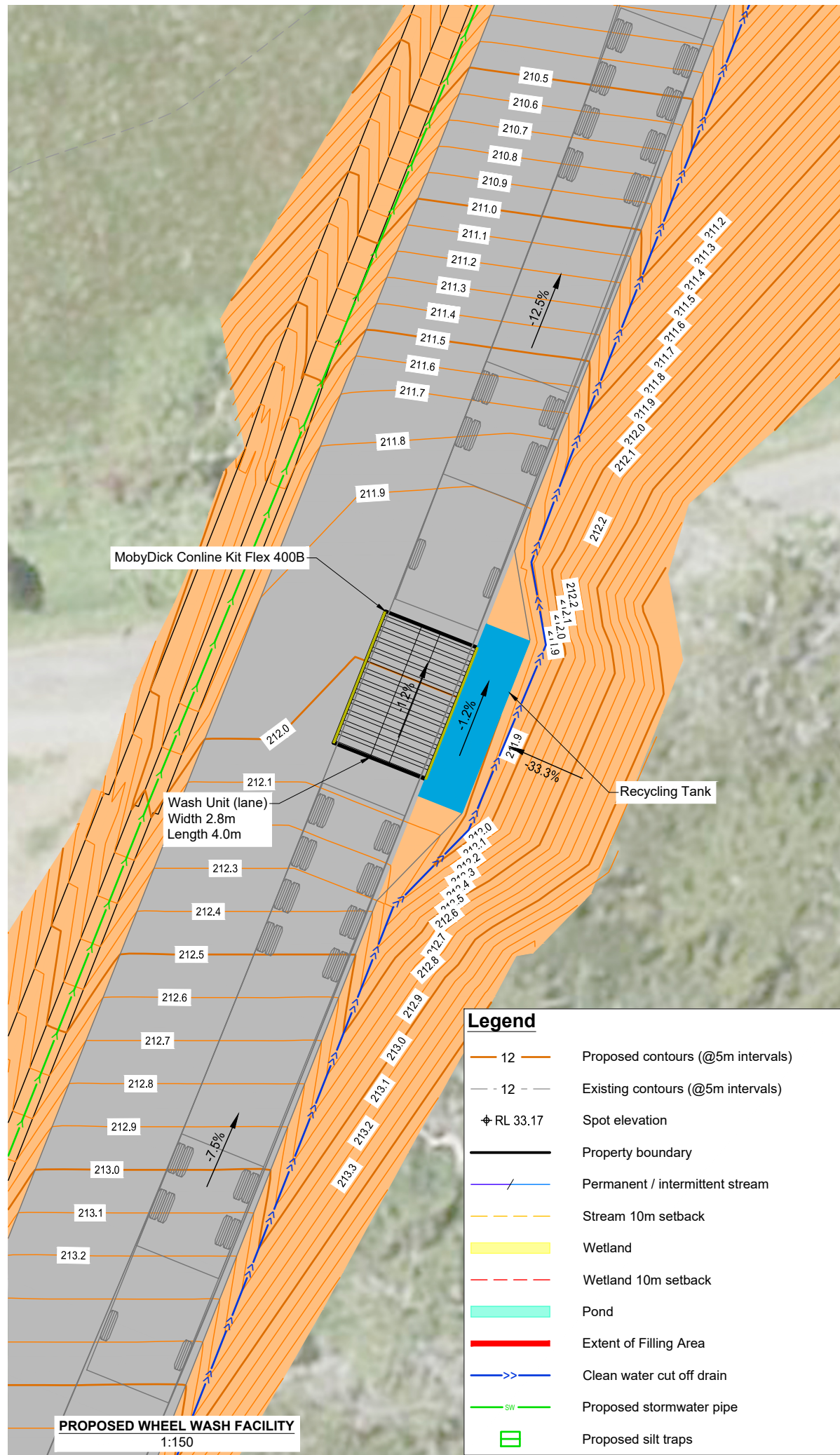
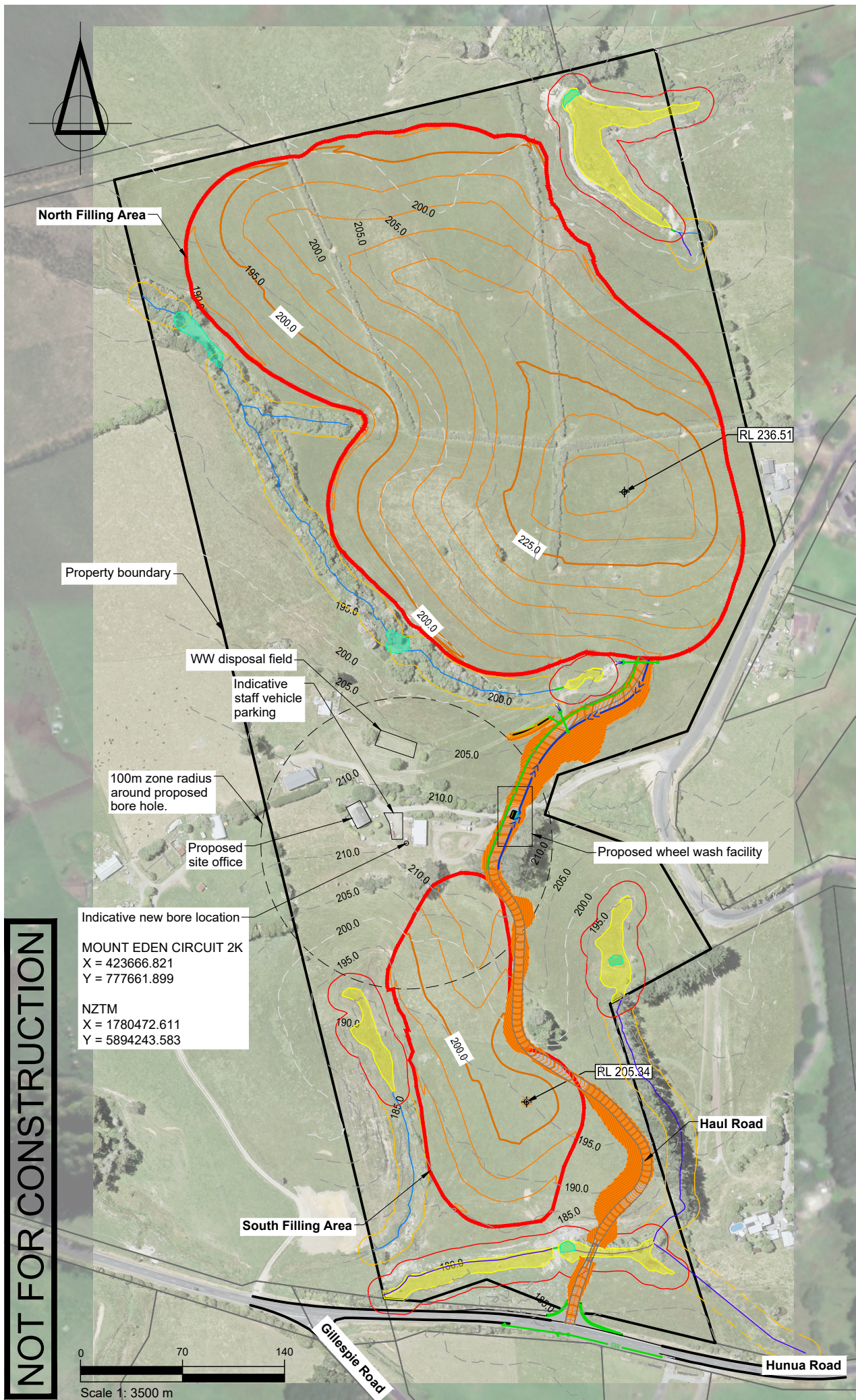
SCALE NTS (A3)

DRAWING No		REVISION	
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33250/180 A

P:\333 series\33250\03 Drawings\33250-190.dwg, fvotha, 8/12/2025 12:02 pm

NOT FOR CONSTRUCTION



SURVEYED	TB	06.09.24	APPROVED	SF	16.01.25
DESIGNED	TB	06.09.24			
DRAWN	FV	15.01.25			
CHECKED	TB	16.01.25			
REVISION	CHANGES	CHECKED	DATE		
A	WHEEL WASH FACILITY DETAIL	MR	28.02.25		
B	WHEEL WASH FACILITY RELOCATED	SF	02.10.25		
C	POST SECTION 92 UPDATE	SF	22.10.25		
D	DESIGN UPDATES	SF	05.12.25		

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED BORE LOCATION
RELATIVE TO WASTEWATER
DISPOSAL FIELD AND WHEEL
WASHING AREA

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SCALE 1:1500 (A3)
DRAWING No 33250/190 REVISION D

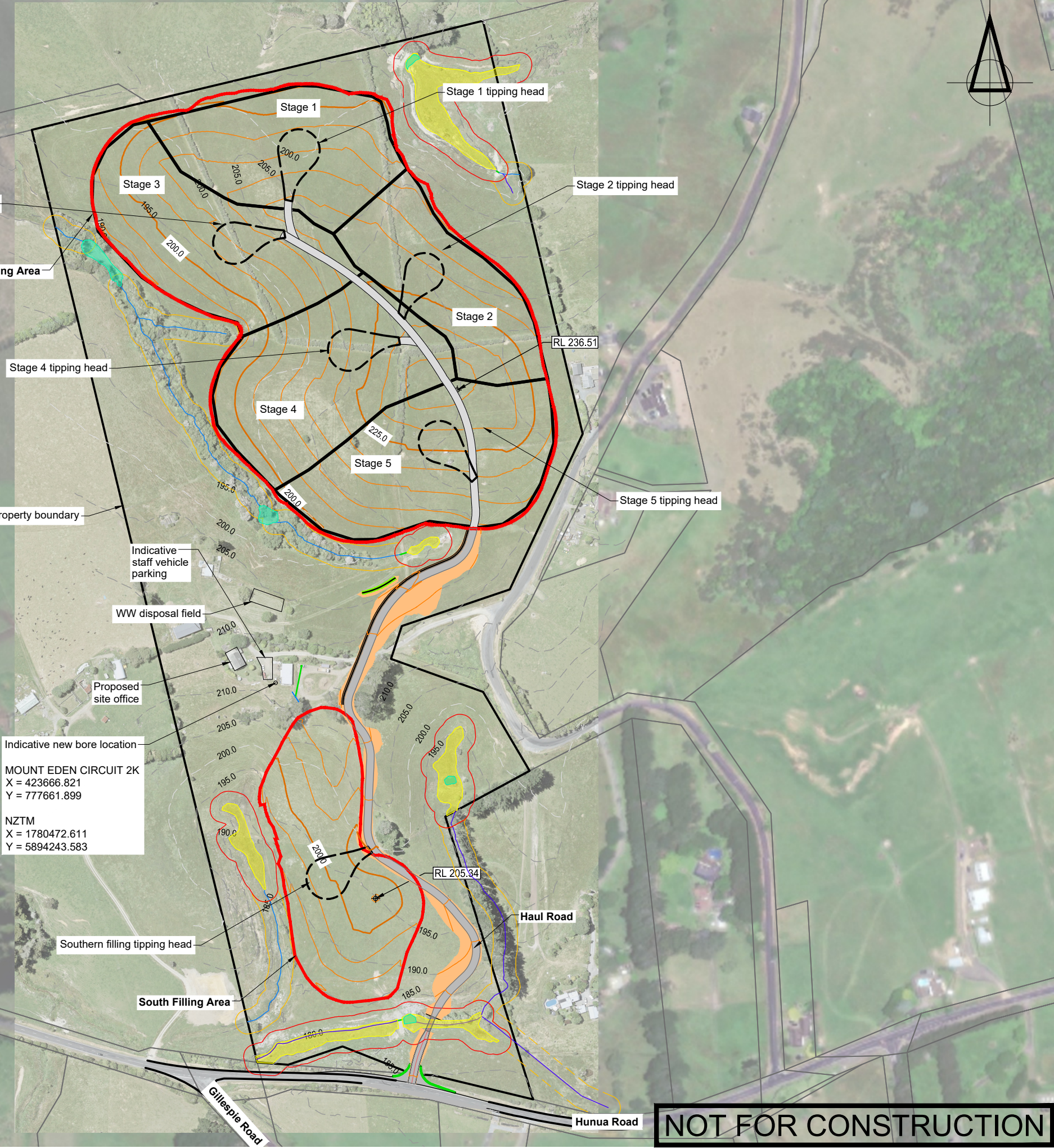
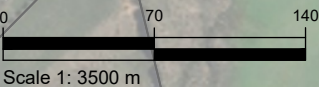
P:\333 series\33250\03 Drawings\33250-195.dwg, f:\ohra, 8/12/2025 12:35 pm

Tipping and Access Area (m²)

Stage	Area (m²)
1	8,270
2	4,839
3	6,818
4	3,603
5	1,520
Southern Filling	1,263
Haul Road	3,405

Legend

- 12 Proposed contours (@5m intervals)
- 12 Existing contours (@5m intervals)
- RL 33.17 Spot elevation
- Property boundary
- Permanent / intermittent stream
- Stream 10m setback
- Wetland
- Wetland 10m setback
- Pond
- Extent of Filling Area



SURVEYED			APPROVED SF 22.09.25	DATE	
DESIGNED	TB	06.09.24			
DRAWN	MR	22.09.25			
CHECKED	SF	22.09.25			
REVISION	CHANGES			CHECKED	DATE
A	POST SECTION 92 UPDATE			SF	22.10.25
B	DESIGN UPDATES			SF	05.12.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
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PROJECT
362 JONES RD, HUNUA

TITLE
**INDICATIVE FILLING PLAN
SHOWING ACCESS ROADS AND
TIPPING HEADS**



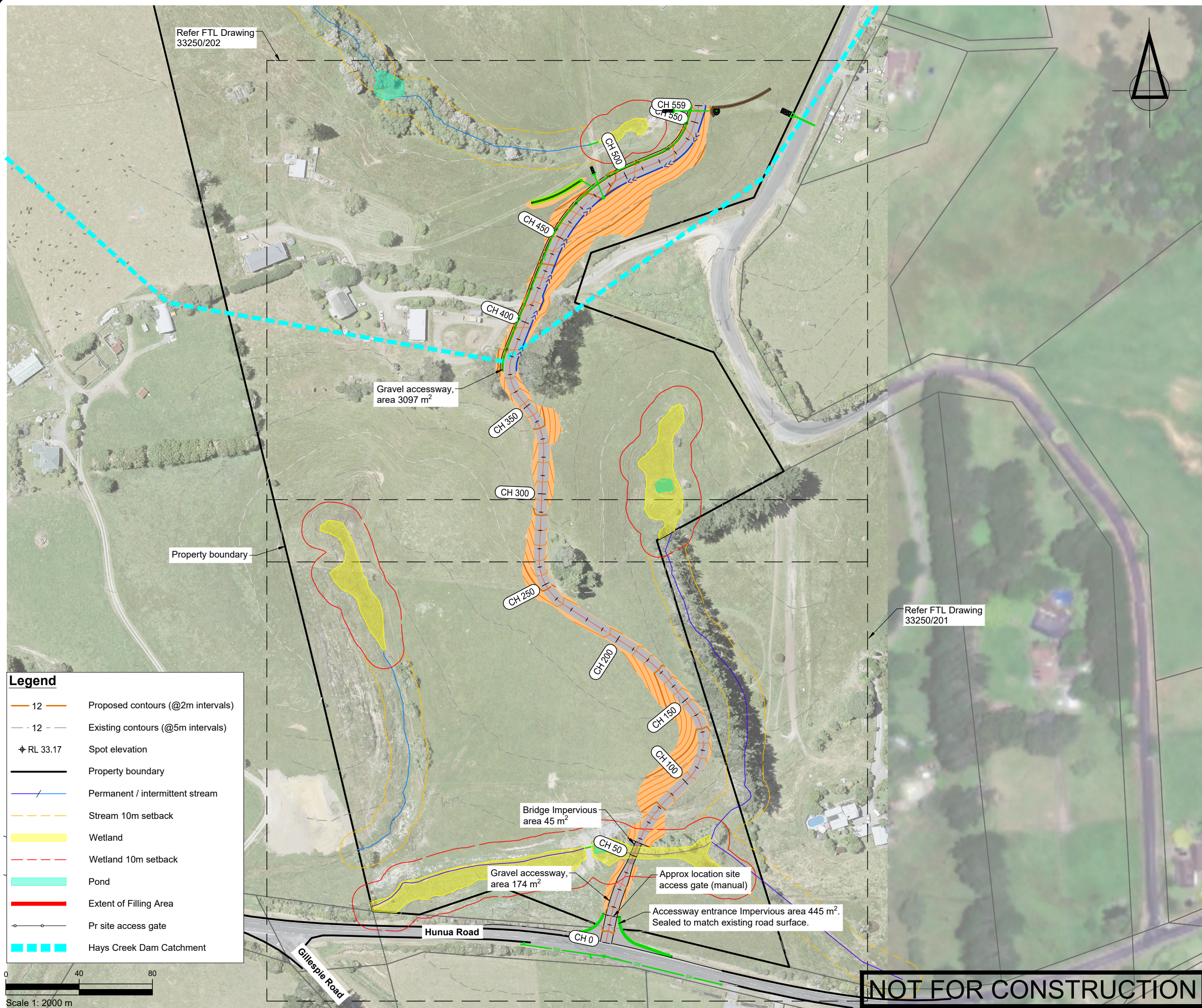
**Fraser
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SCALE 1:1500 (A3)
DRAWING No 33250/195 REVISION B

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P:\33 series\33250\03 Drawings\33250-200-202.dwg, f.vohra, 8/12/2025 12:03 pm



Legend

12

Proposed contours (@2m intervals)

12

Existing contours (@5m intervals)

Spot elevation

Property boundary

Permanent / intermittent stream

Stream 10m setback

Wetland

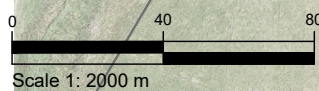
Wetland 10m setback

Pond

Extent of Filling Area

Pr site access gate

Hays Creek Dam Catchment



SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE
A	UPDATED LAYOUT AND NOTES		SF	10.02.25
B	HAUL ROAD DRAINS ADDED		SF	07.10.25
C	POST SECTION 92 UPDATE		SF	22.10.25
D	DESIGN UPDATES		SF	05.12.25

- NOTES
1.

Existing Ground Contour data obtained from LiDAR 2016.
2.

Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

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PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED HAUL ROAD LAYOUT PLAN

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HAWKE'S BAY

06 211 2766

CHRISTCHURCH

03 358 5936

BLenheim

03 428 3292

Nelson

03 222 1132

TAURANGA

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STATUS

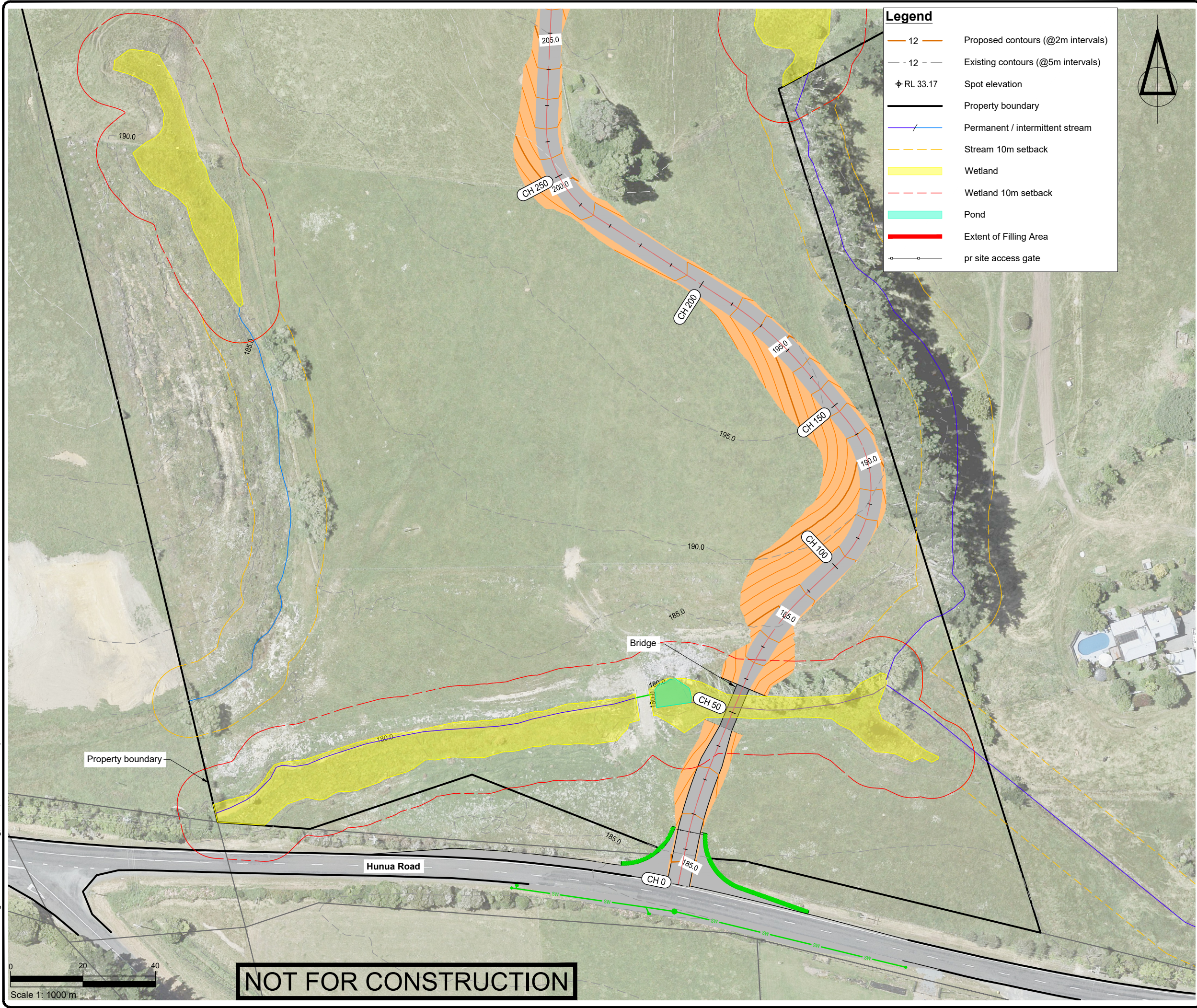
FOR RESOURCE CONSENT

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SCALE 1:2000 (A3)

DRAWING No 33250/200

REVISION D



Legend

- 12 Proposed contours (@2m intervals)
- 12 - Existing contours (@5m intervals)
- ✦ RL 33.17 Spot elevation
- Property boundary
- Permanent / intermittent stream
- Stream 10m setback
- Wetland
- Wetland 10m setback
- Pond
- Extent of Filling Area
- pr site access gate

SURVEYED	TB	06.09.24	APPROVED	SF	DATE
DESIGNED	TB	06.09.24		27.09.24	
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	UPDATED LAYOUT AND NOTES			SF	10.02.25
B	POST SECTION 92 UPDATE			SF	22.10.25
C	DESIGN UPDATES			SF	05.12.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
**PROPOSED HAUL ROAD
ACCESSWAY LAYOUT (SHEET 1
OF 2)**



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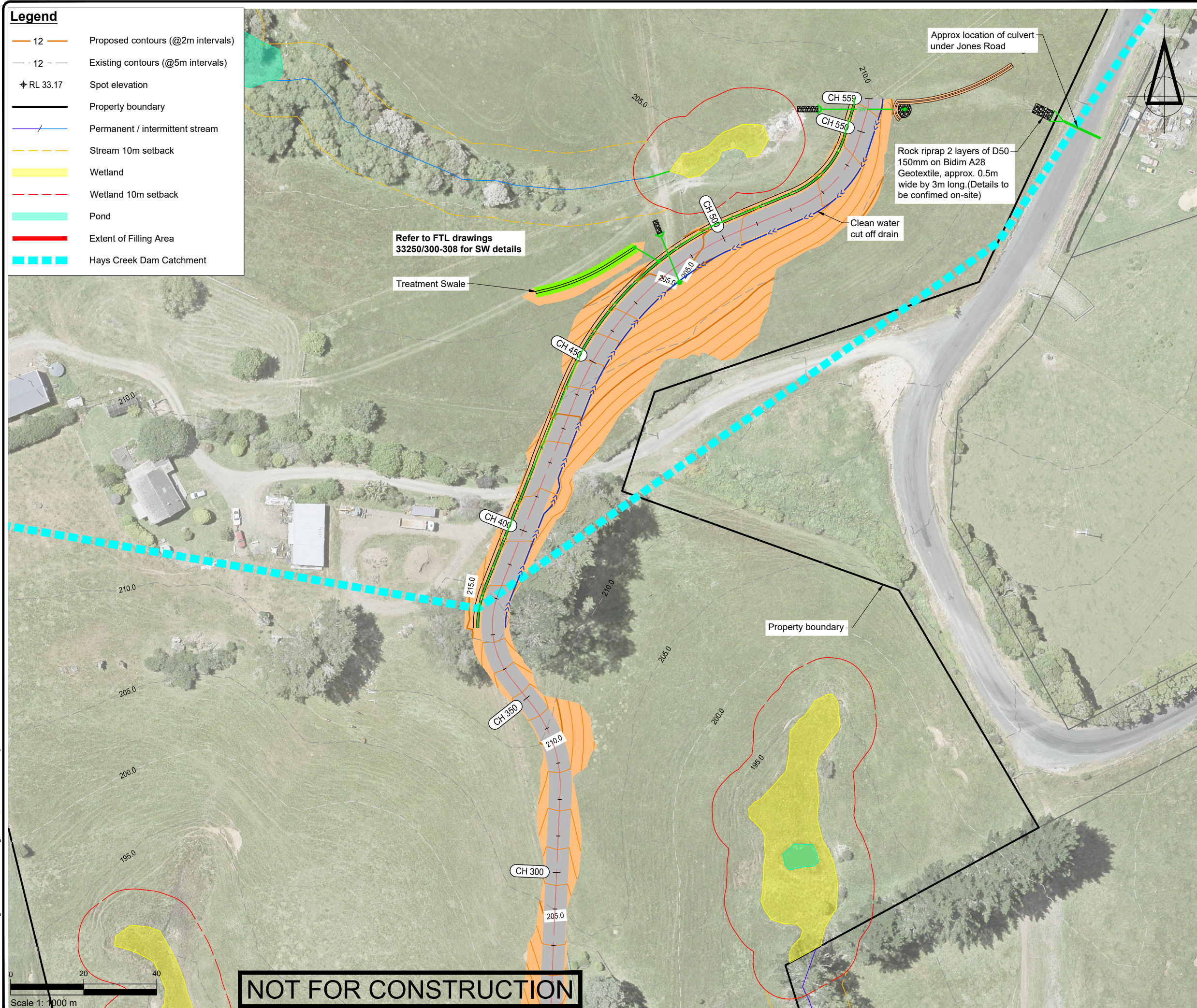
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SCALE 1:1000	(A3)
DRAWING No 33250/201	REVISION C

[illegible]

- NOTES
1. Existing Ground Contour data obtained from LiDAR 2016.
 2. Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
 LEVEL: Auckland Vertical Datum 1946
 COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED HAUL ROAD
ACCESSWAY LAYOUT (SHEET 2
OF 2)



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BLenheim	03 428 3292
NELSON	03 222 1132
TAURANGA	020 4118 9465

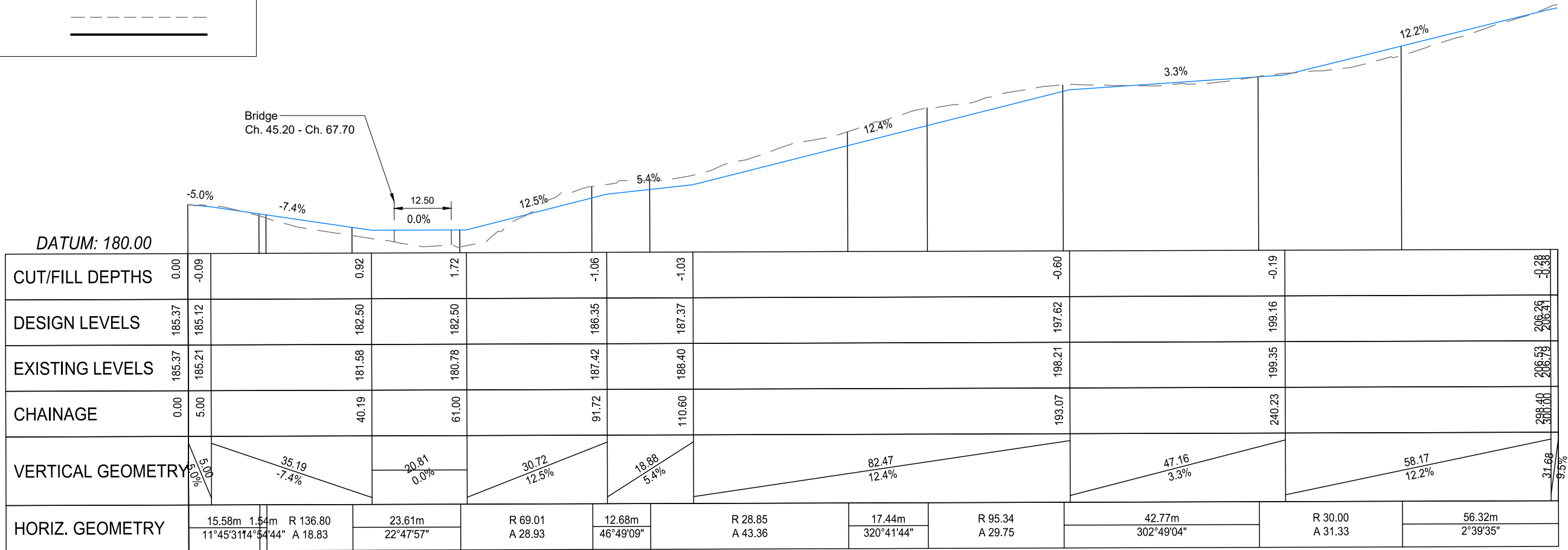
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STATUS	
FOR RESOURCE CONSENT Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.	
SCALE	1:1000 (A3)
DRAWING No	REVISION
33250/202	C

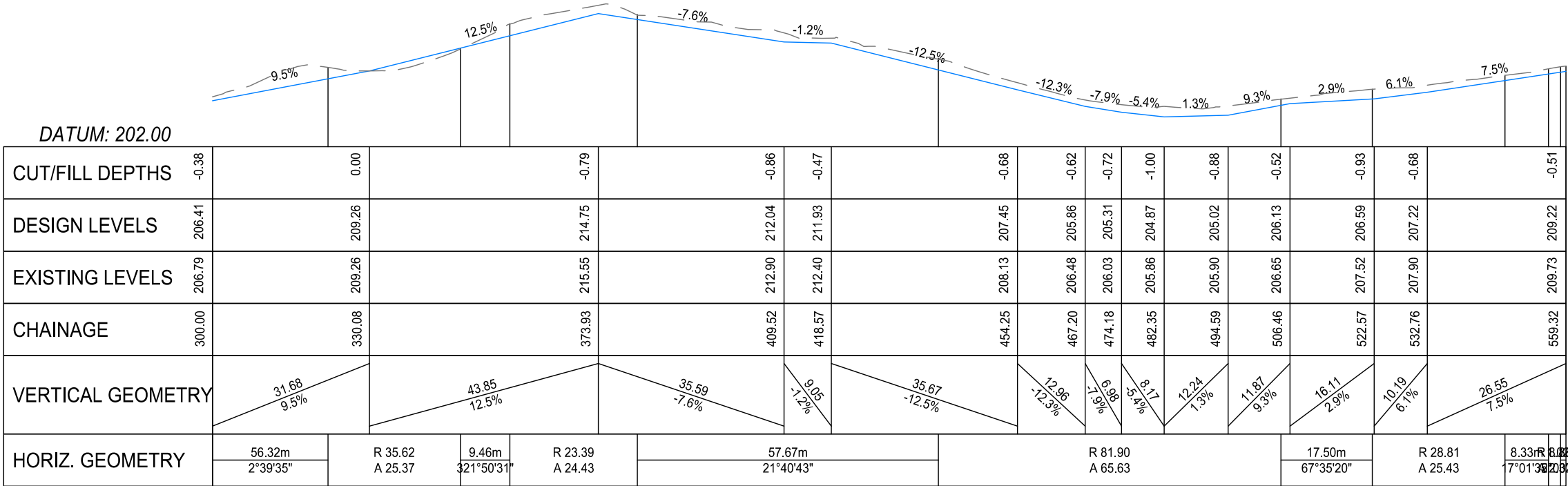
PROFILE VIEW LEGEND

EXISTING GROUND
HAUL ROAD ACCESSWAY



HAUL ROAD ACCESSWAY LONG SECTION CH. 0 - 285m

SCALE H - 1:1000, V - 1:500



HAUL ROAD ACCESSWAY LONG SECTION CH. 285 - 571.25m

SCALE H - 1:1000, V - 1:500

NOT FOR CONSTRUCTION

1. Existing Ground Contour data obtained from LiDAR 2016.

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000



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CLIENT

SCARBRO
ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED HAUL ROAD
ACCESSWAY LONGSECTIONS

SURVEYED

DESIGNED

DRAWN

CHECKED

APPROVED

REVISION

DESCRIPTION

CHECKED

DATE

STATUS

FOR RESOURCE CONSENT
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings

SCALE AS SHOWN

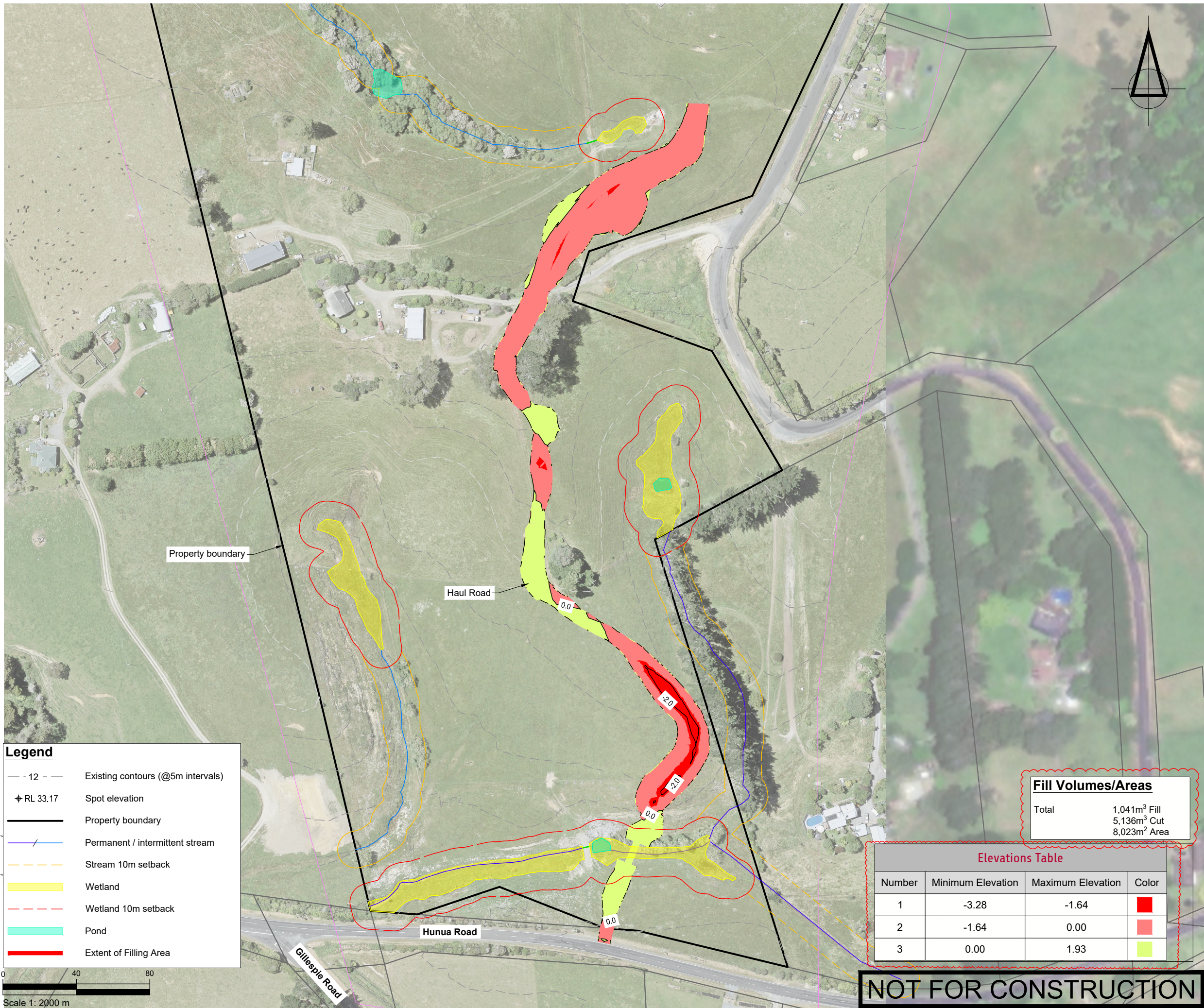
DRAWING No

33250/220

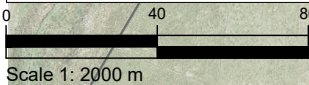
REVISION

C

P:\333 series\33250\03 Drawings\33250-250.dwg, f:\ohra, 8/12/2025 12:03 pm



Legend	
	Existing contours (@5m intervals)
	Spot elevation
	Property boundary
	Permanent / intermittent stream
	Stream 10m setback
	Wetland
	Wetland 10m setback
	Pond
	Extent of Filling Area



Fill Volumes/Areas

Total	1,041m³ Fill
	5,136m³ Cut
	8,023m² Area

Elevations Table

Number	Minimum Elevation	Maximum Elevation	Color
1	-3.28	-1.64	
2	-1.64	0.00	
3	0.00	1.93	

NOT FOR CONSTRUCTION

SURVEYED			APPROVED	SF	DATE
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	UPDATED VOLUMES			SF	11.02.25
B	POST SECTION 92 UPDATE			SF	22.10.25
C	DESIGN UPDATES			SF	05.12.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED HAUL ROAD
ACCESSWAY CUT AND FILL
PLAN

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TAURANGA 020 4118 9465

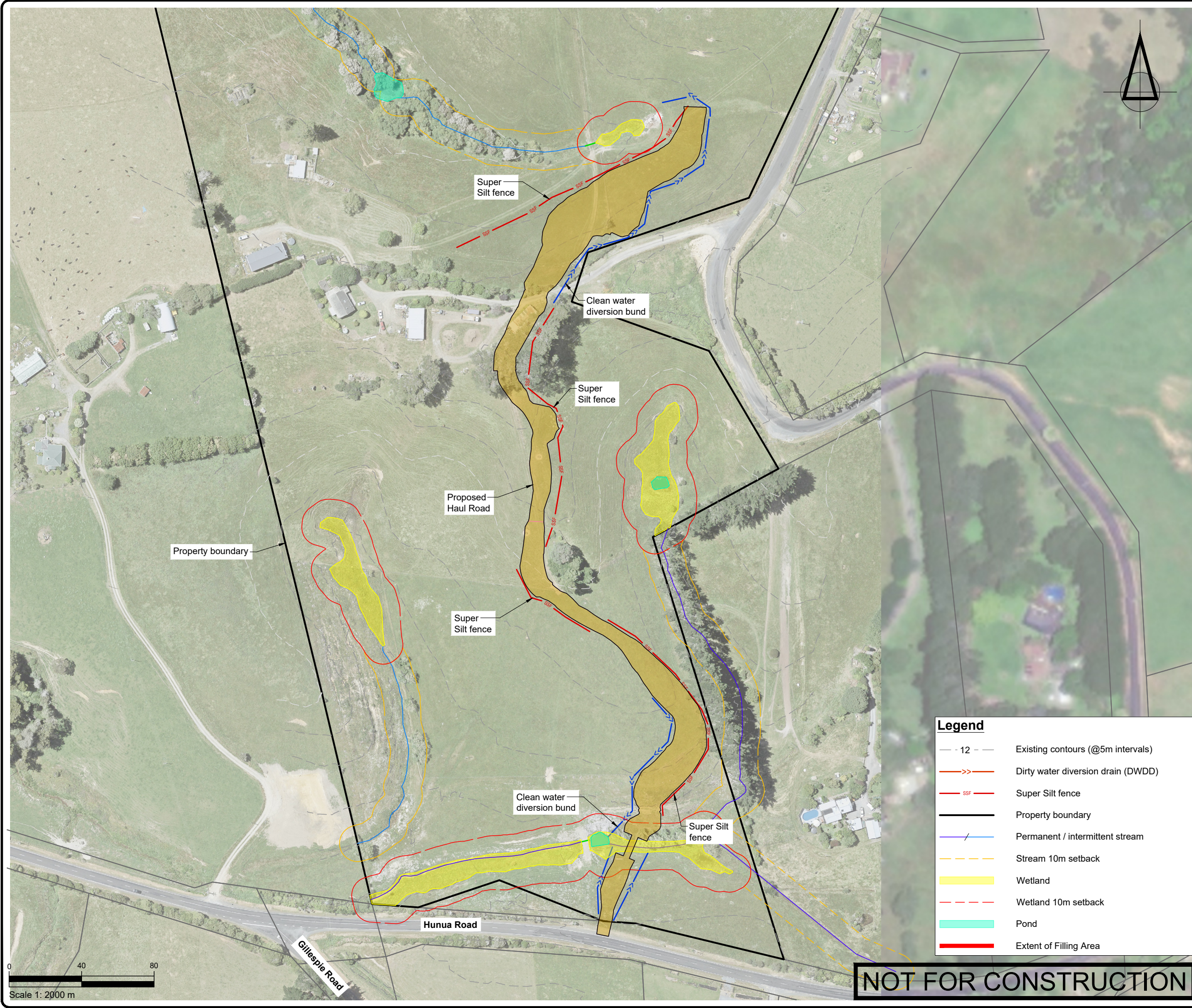
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FOR RESOURCE CONSENT
Construction works shall commence only on receipt of and in accordance with the Council or Council organisation stamped approved drawings, unless otherwise indicated.

SCALE 1:2000 (A3)
DRAWING No 33250/250
REVISION C

P:\333 series\33250\03 Drawings\33250-251.dwg, f:\vohra, 8/12/2025 12:03 pm



SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE
A	SILT FENCE REPLACED WITH SUPER SILT FENCE		15.01.25	
B	POST SECTION 92 UPDATE		SF	22.10.25
C	DESIGN UPDATES		SF	05.12.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Erosion and sediment controls to comply with Auckland Council Guidance Document 05 (GD05) - Erosion and Sediment Control Guidelines for Land Disturbing Activities in the Auckland Region
 - Silt fence to be installed at the downstream side of all excavations, and clean water drains installed on the upstream side where surface water would otherwise enter the earthworks area.
 - Haul road to be installed in sections so that it is not creating a large open area for a long period. Once a section is cut to level, stabilise immediately with hardfill.
 - Remove topsoil to a suitable location and install a perimeter silt fence around the stockpile.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).
- PROJECT DATUMS:**
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED HAUL ROAD
ACCESSWAY EROSION AND
SEDIMENT CONTROL PLAN



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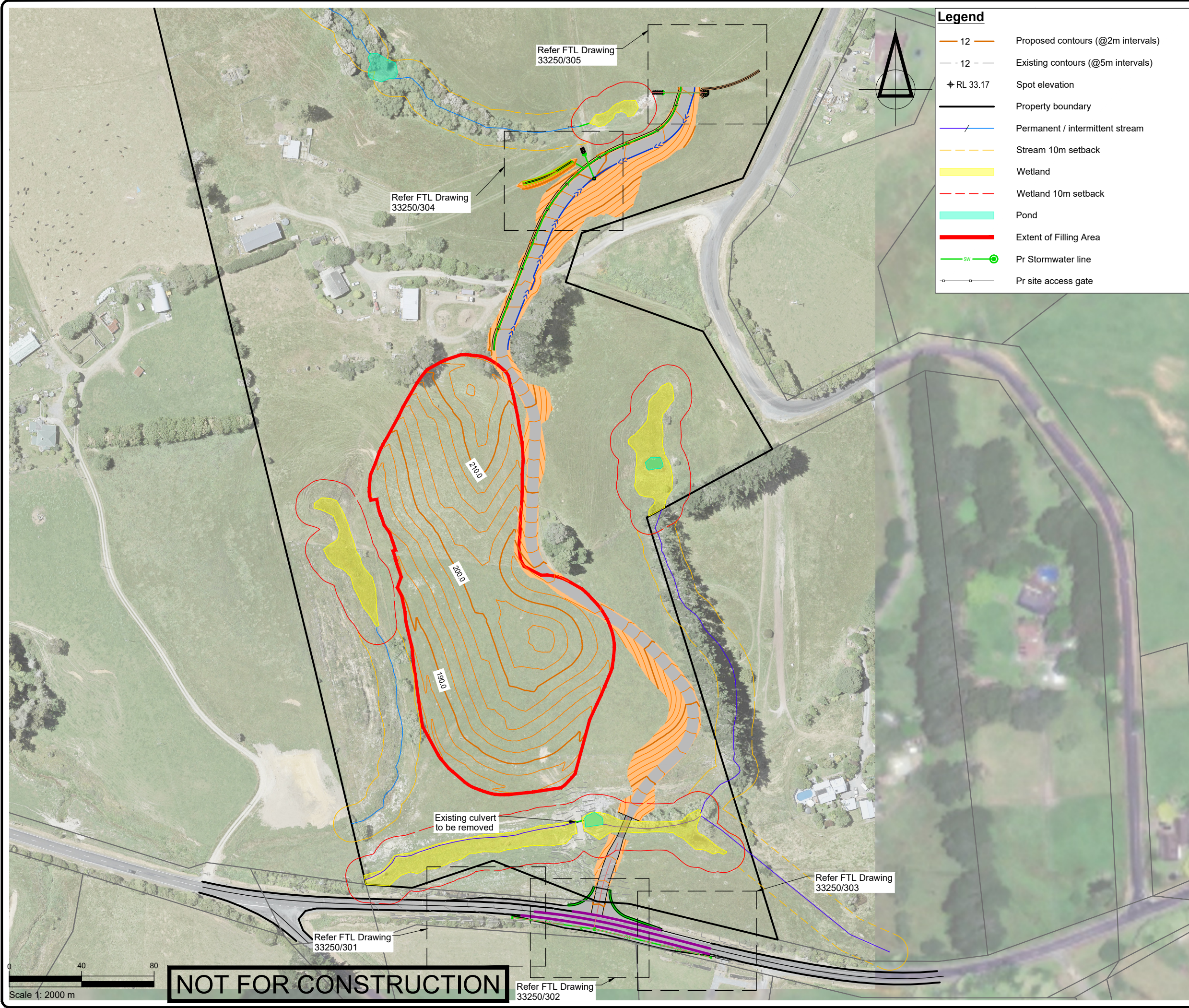
SCALE 1:2000 (A3)

DRAWING No 33250/251

REVISION C

NOT FOR CONSTRUCTION

P:\33 series\33250\03 Drawings\33250-300-307.dwg, fvohta, 8/12/2025 12:04 pm



Legend

- 12 Proposed contours (@2m intervals)
- 12 - Existing contours (@5m intervals)
- RL 33.17 Spot elevation
- Property boundary
- Permanent / intermittent stream
- Stream 10m setback
- Wetland
- Wetland 10m setback
- Pond
- Extent of Filling Area
- SW Pr Stormwater line
- Pr site access gate

SURVEYED	TB	06.09.24	APPROVED	SF	27.09.24
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES		CHECKED	DATE	
A	CHANGES TO SW DESIGN		SF	11.02.25	
B	CHANGES TO HAUL ROAD		SF	20.11.25	
C	DESIGN UPDATES		SF	05.12.25	

NOTES

- Existing Ground Contour data obtained from LiDAR 2016.
- Site gate to be relocated to allow truck and trailer to park without obstructing road. Fencing to be relocated to suit gate position.
- Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

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PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED STORMWATER PLAN
- OVERALL PLAN

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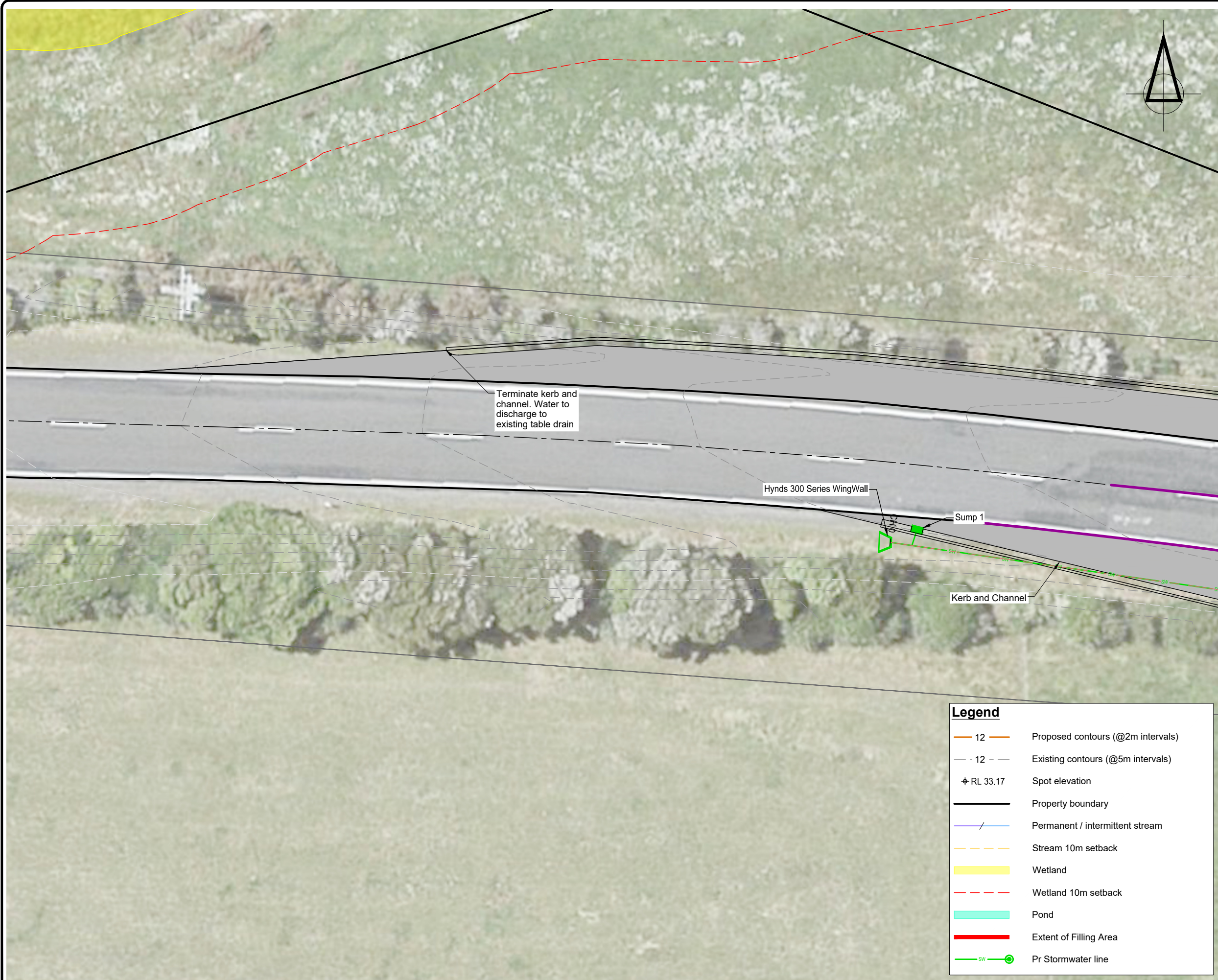
STATUS

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SCALE 1:750 (A3)

DRAWING No 33250/300 REVISION C



P:\33 series\33250\03 Drawings\33250-300-307.dwg, fvohta, 8/12/2025 12:04 pm

SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	CHANGES TO SW DESIGN			SF	11.02.25
B	DESIGN UPDATES			SF	05.12.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Site gate to be relocated to allow truck and trailer to park without obstructing road. Fencing to be relocated to suit gate position.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
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PROJECT
362 JONES RD, HUNUA

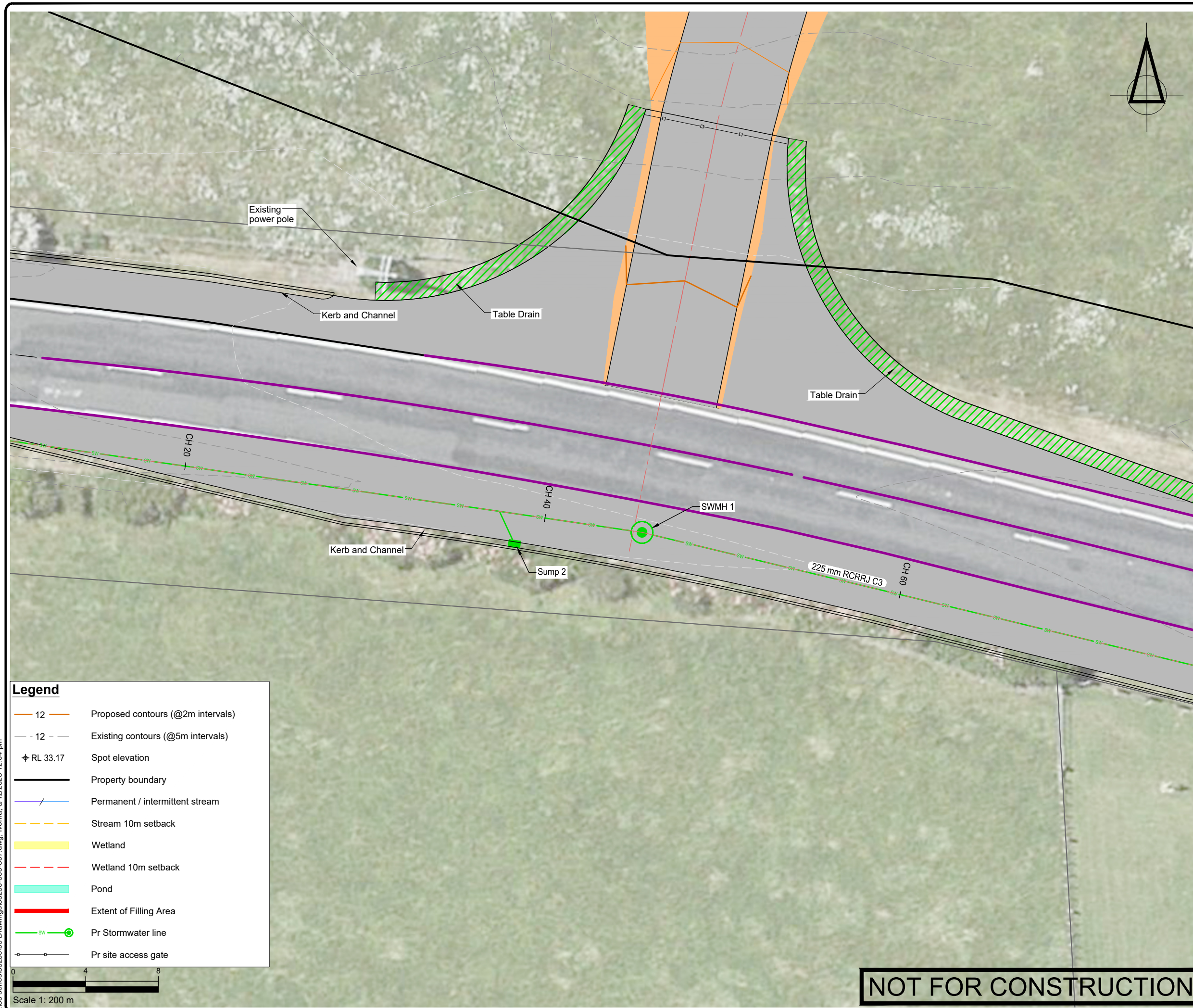
TITLE
**PROPOSED STORMWATER PLAN
- HAUL ROAD ENTRANCE
(SHEET 1 OF 5)**



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SCALE	1:200	(A3)
DRAWING No	33250/301	REVISION
		B

[illegible]

- NOTES

 - Existing Ground Contour data obtained from LiDAR 2016.
 - Site gate to be relocated to allow truck and trailer to park without obstructing road. Fencing to be relocated to suit gate position.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
 LEVEL: Auckland Vertical Datum 1946
 COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

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PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED STORMWATER PLAN
- HAUL ROAD ENTRANCE
(SHEET 2 OF 5)



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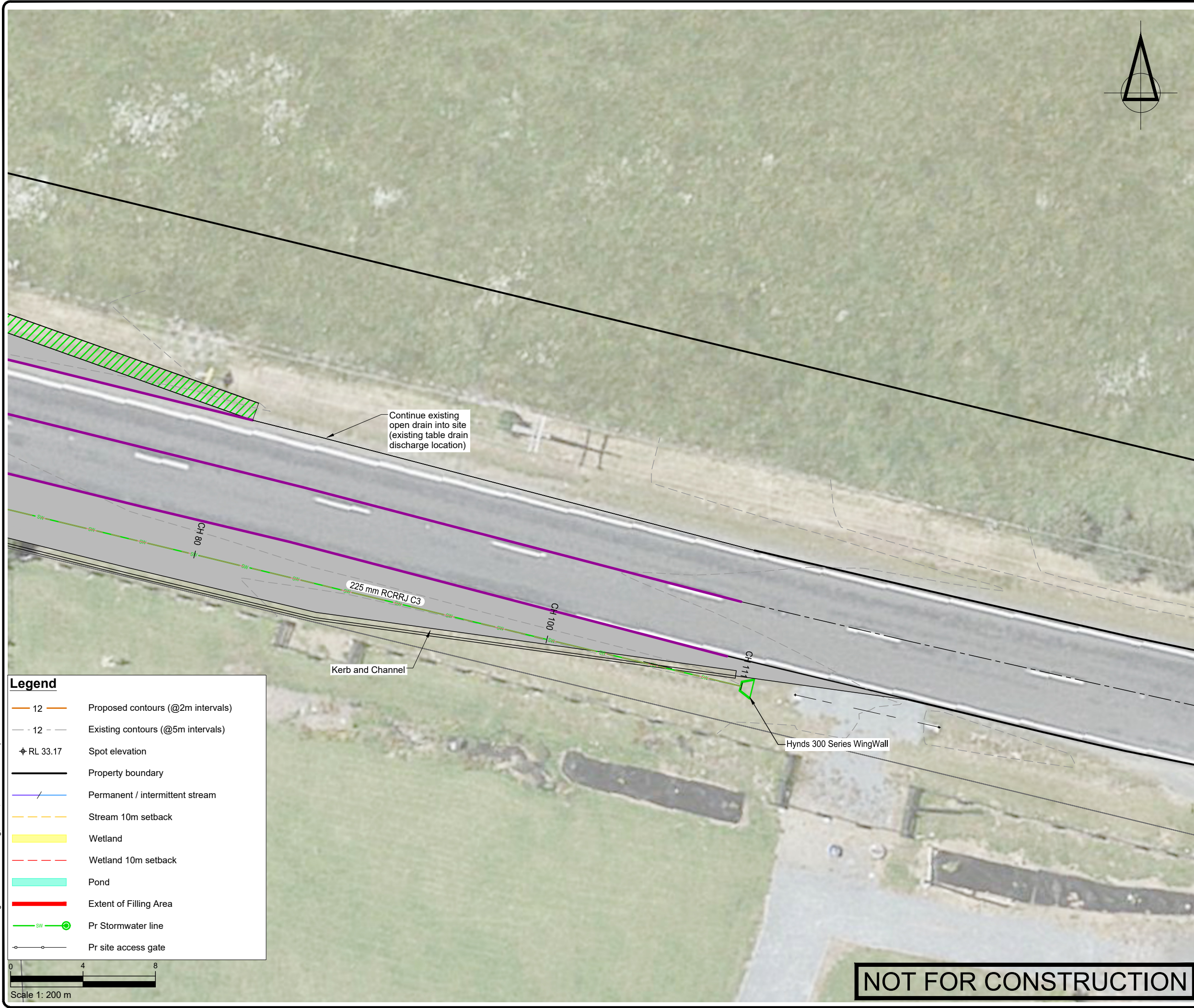
AUCKLAND	09 278 7078
HAWKE'S BAY	06 211 2766
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BLENNHEIM	03 428 3292
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SCALE	1:200 (A3)
DRAWING No	REVISION
33250/302	B

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Legend

12

Proposed contours (@2m intervals)

12

Existing contours (@5m intervals)

RL 33.17

Spot elevation

Property boundary

Permanent / intermittent stream

Stream 10m setback

Wetland

Wetland 10m setback

Pond

Extent of Filling Area

SW

Pr Stormwater line

Pr site access gate

NOT FOR CONSTRUCTION

SURVEYED	TB	06.09.24	APPROVED	SF	DATE
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	CHANGES TO SW DESIGN			SF	11.02.25
B	DESIGN UPDATES			SF	05.12.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Site gate to be relocated to allow truck and trailer to park without obstructing road. Fencing to be relocated to suit gate position.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED STORMWATER PLAN
- HAUL ROAD ENTRANCE
(SHEET 3 OF 5)

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SCALE

1:200

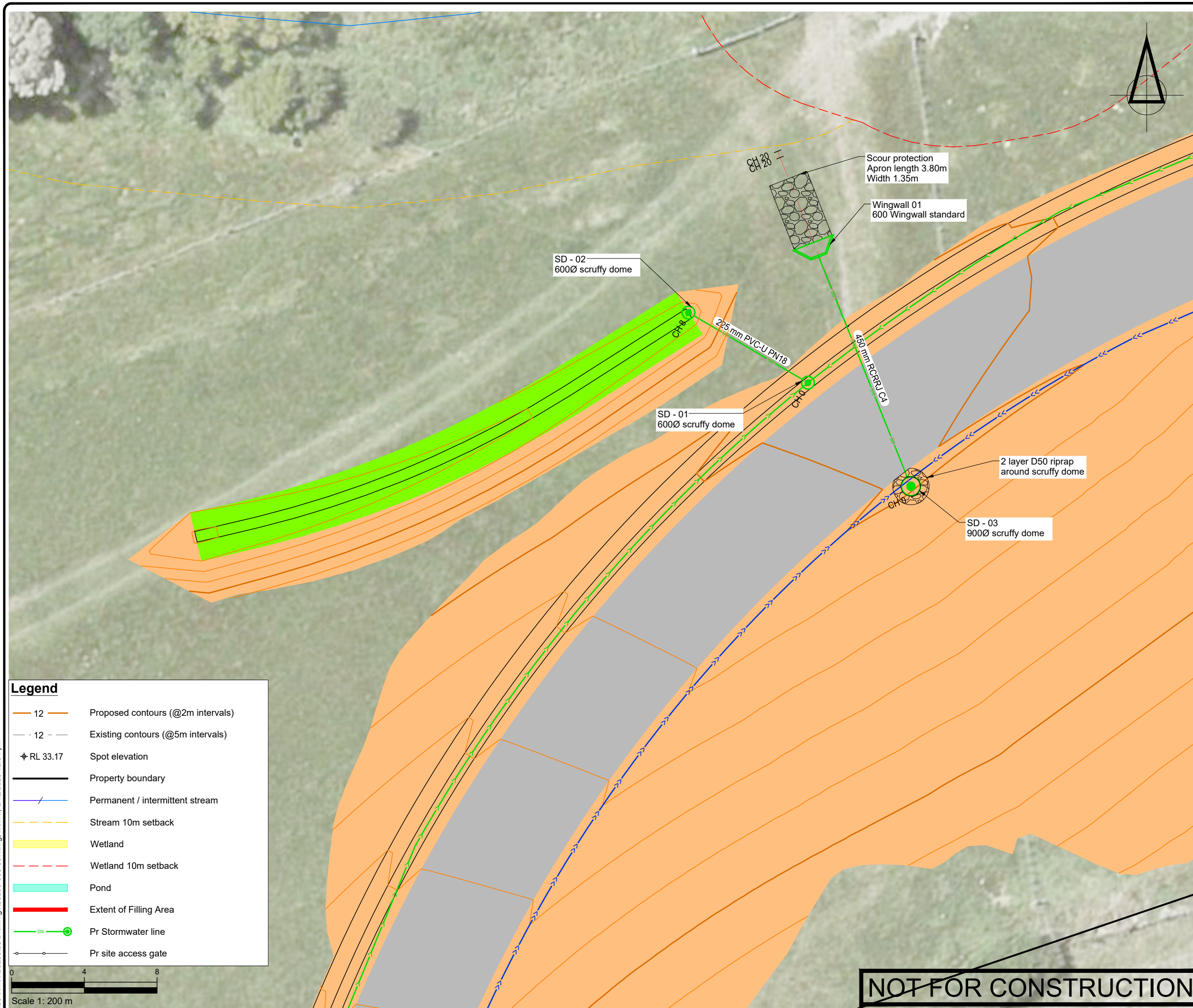
(A3)

DRAWING No

33250/303

REVISION

B

[illegible]

- NOTES

 - Existing Ground Contour data obtained from LiDAR 2016.
 - Site gate to be relocated to allow truck and trailer to park without obstructing road. Fencing to be relocated to suit gate position.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
 LEVEL: Auckland Vertical Datum 1946
 COORDINATE: NZGD2000 / Mount Eden 2000

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362 JONES RD, HUNUA

TITLE

PROPOSED STORMWATER PLAN
- HAUL ROAD ENTRANCE
(SHEET 4 OF 5)



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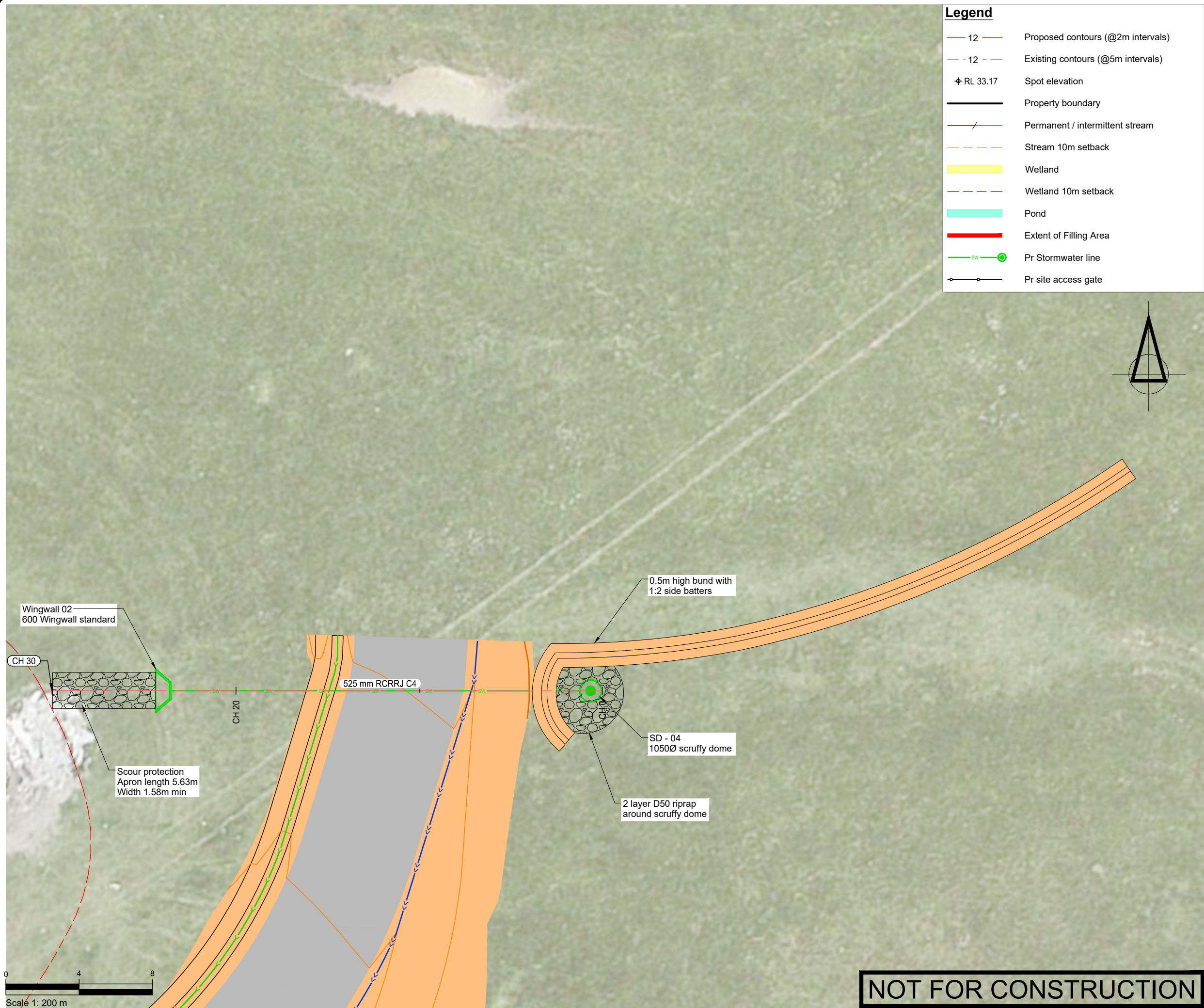
AUCKLAND	09 278 7078
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SCALE	1:200 (A3)
DRAWING No	REVISION
33250/304	B

P:\33 series\33250\03 Drawings\33250-300-307.dwg, f:\vohra, 8/12/2025 12:04 pm



SURVEYED			APPROVED	SF	DATE
DESIGNED	TB	06.09.24	27.09.24		
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	POST SECTION 92 UPDATE			SF	22.10.25
B	DESIGN UPDATES			SF	05.12.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Site gate to be relocated to allow truck and trailer to park without obstructing road. Fencing to be relocated to suit gate position.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
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PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED STORMWATER PLAN
- HAUL ROAD ENTRANCE
(SHEET 5 OF 5)



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SCALE 1:200 (A3)
DRAWING No 33250/305 REVISION B

[illegible]

NOTES

1. Existing Ground Contour data obtained from LiDAR 2016.

PROJECT DATUMS:
 LEVEL: Auckland Vertical Datum 1946
 COORDINATE: NZGD2000 / Mount Eden 2000

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PROJECT

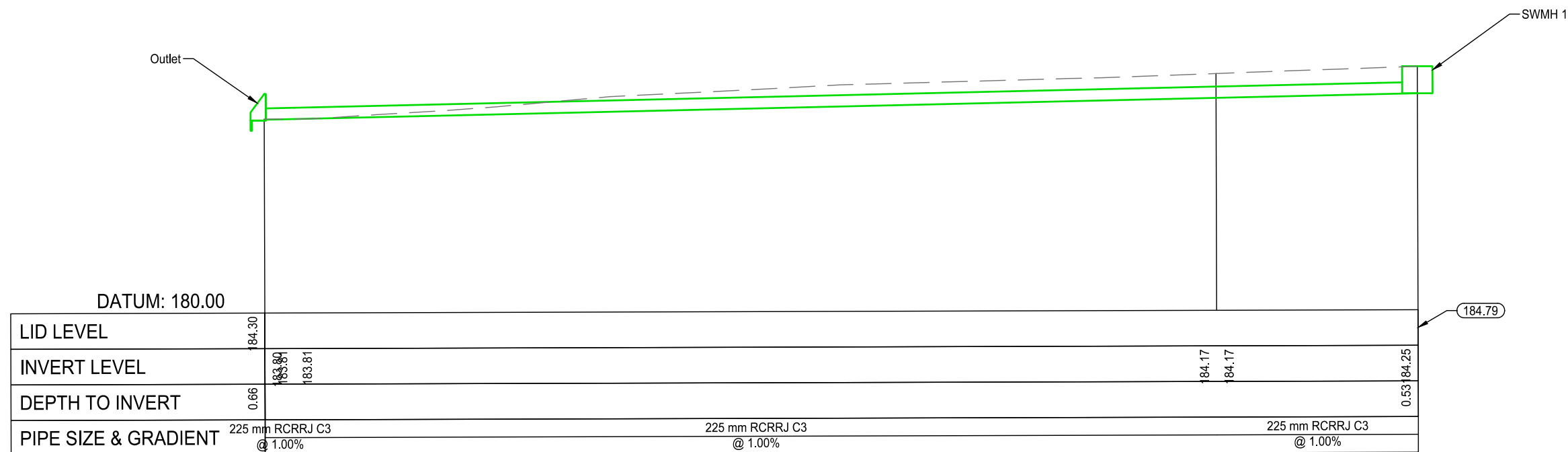
362 JONES RD, HUNUA

TITLE

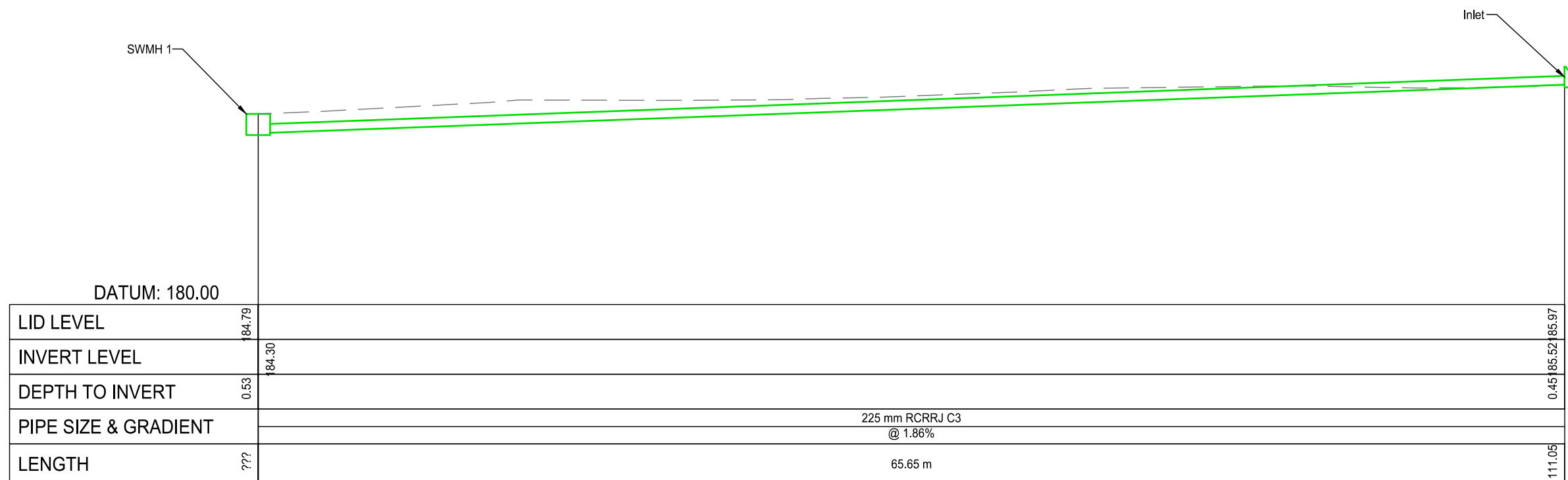
PROPOSED STORMWATER PLAN
- LONG SECTIONS (SHEET 1 OF
2)

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.

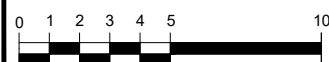
SCALE	AS SHOWN	(A3)
DRAWING No	33250/306	REVISION
		-



LONG SECTION SWMH 1 - OUTLET



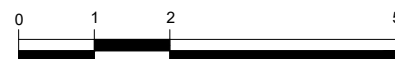
LONG SECTION INLET - SWMH 1



Scale 1:250



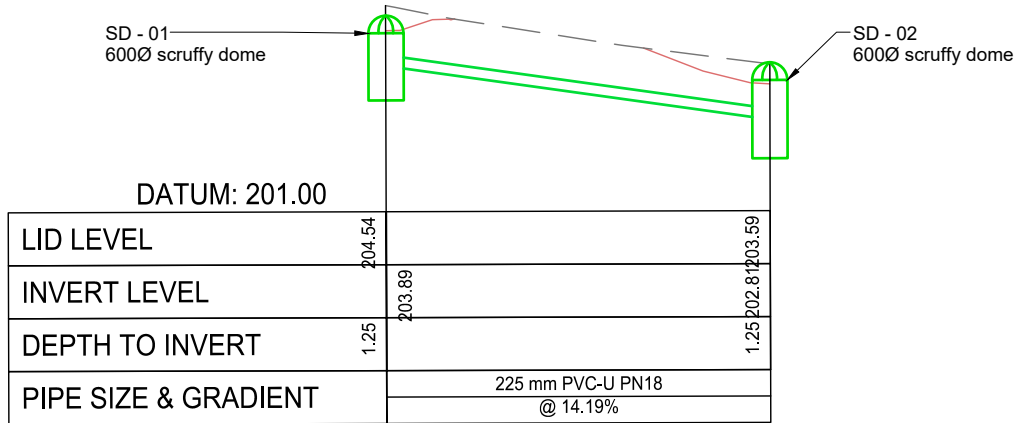
Scale 1: 200 m



Scale 1:100

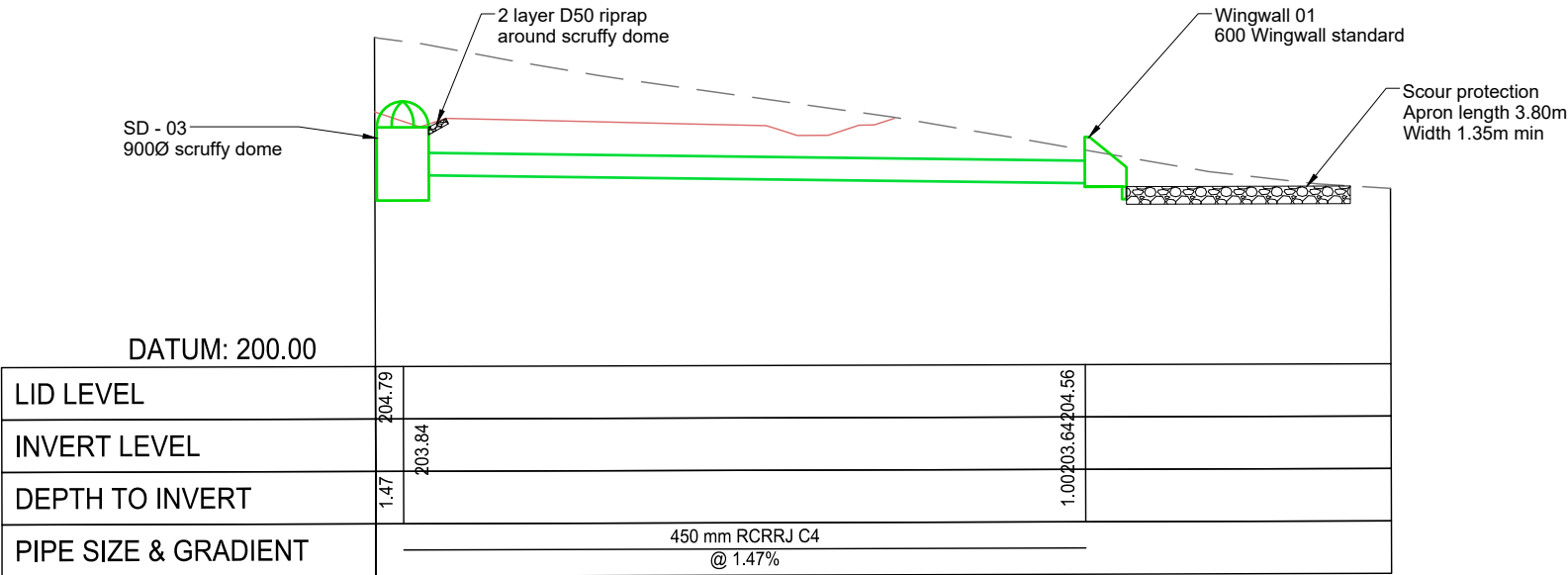
NOT FOR CONSTRUCTION

P:\333 series\33250\03 Drawings\33250-300-307.dwg, f:\vohra, 8/12/2025 12:04 pm



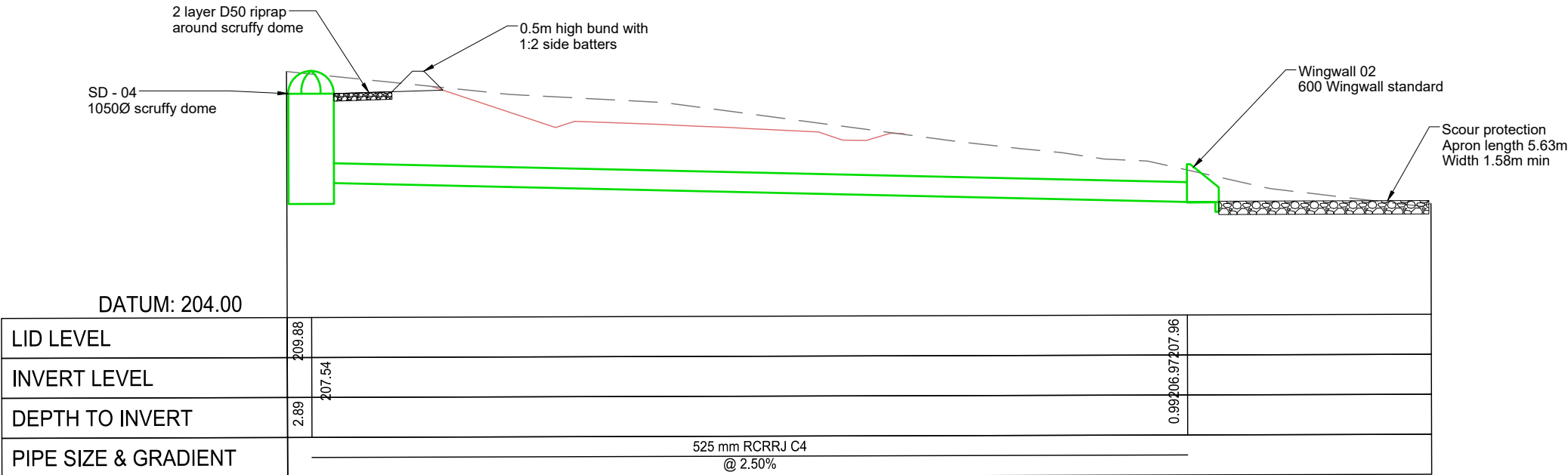
LONG SECTION DIRTY WATER DRAIN - SWALE

SCALE - 1:150



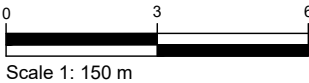
LONG SECTION CLEAN WATER DRAIN - WINGWALL 01

SCALE - 1:150



LONG SECTION OLFP - WINGWALL 02

SCALE - 1:150



SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE

- NOTES
1. Existing Ground Contour data obtained from LiDAR 2016.

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
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PROJECT
362 JONES RD, HUNUA

TITLE
PROPOSED STORMWATER PLAN
- LONG SECTIONS (SHEET 2 OF 2)



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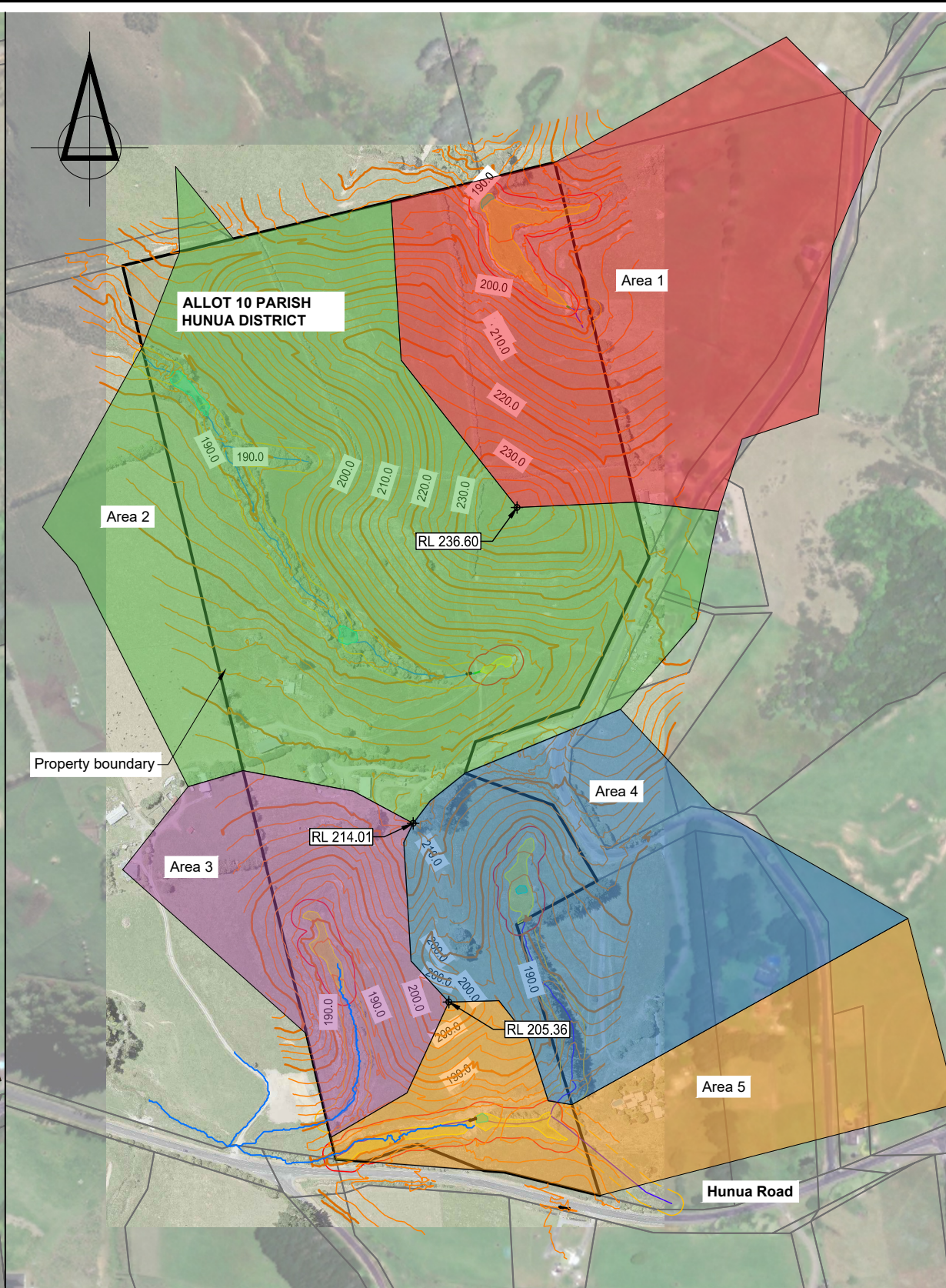
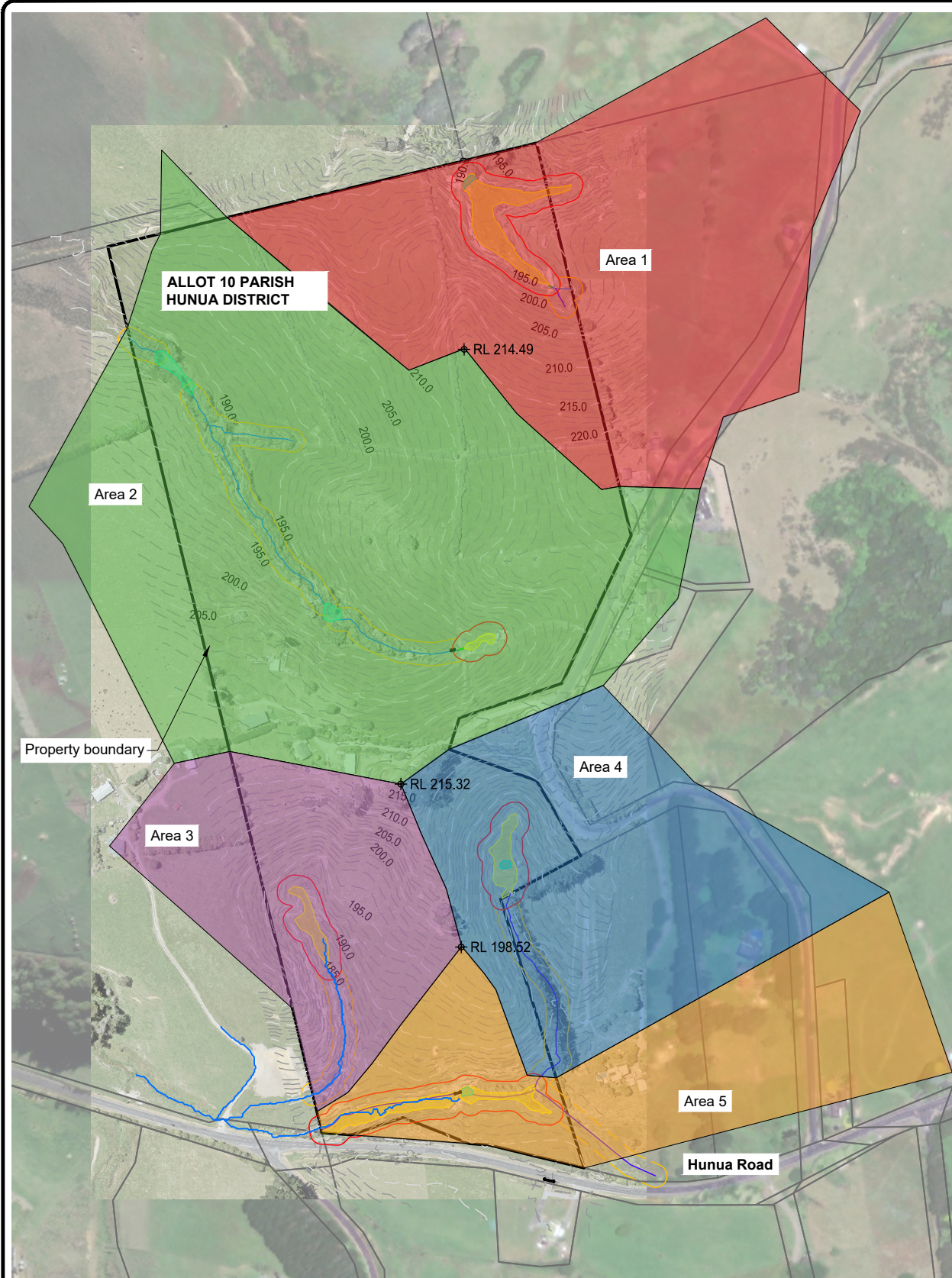
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SCALE AS SHOWN (A3)
DRAWING No 33250/307 REVISION -

NOT FOR CONSTRUCTION

P:\33 series\33250\03 Drawings\33250-308.dwg, f:\hna, 8/12/2025 12:04 pm



SR NO.	CATCHMENT AREA EXISTING	CATCHMENT AREA DESIGN	DESIGN / EXISTING
1	114732 m ²	112145 m ²	0.98
2	172028 m ²	173459 m ²	1.01
3	51067 m ²	46683 m ²	0.92
4	74473 m ²	80303 m ²	1.08
5	61181 m ²	59094 m ²	0.96

Legend

- 12 — Existing contours (@1m intervals)
- 12 — Proposed contours (@1m intervals)
- Property boundary
- / — Permanent / intermittent stream
- Stream 10m setback
- Wetland
- Wetland 10m setback
- Pond

NOT FOR CONSTRUCTION

SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

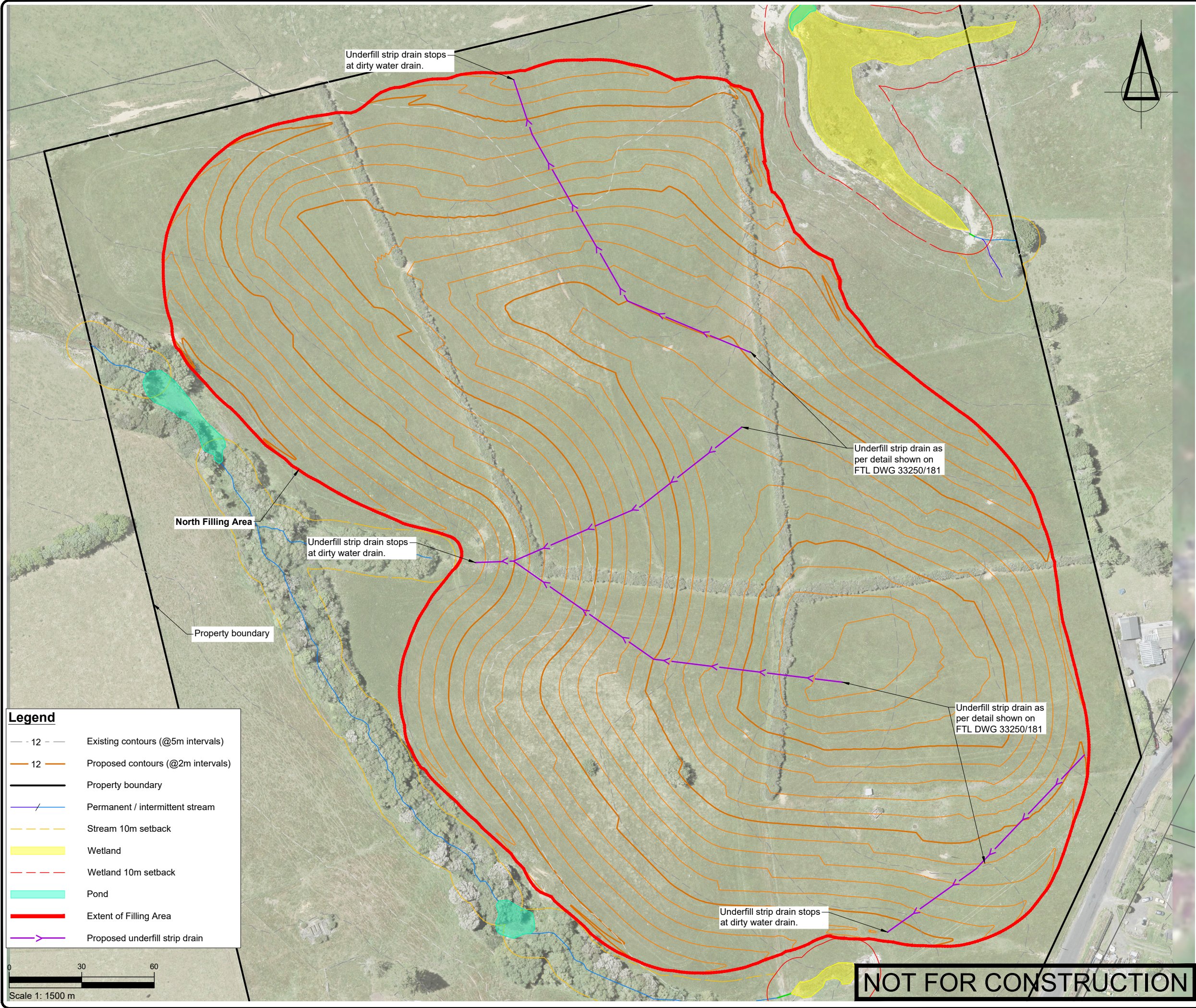
CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
PRE AND POST DEVELOPMENT
CATCHMENT COMPARISON
PLAN

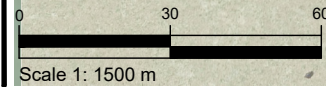
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SCALE: 1:5000 (A3)
DRAWING No: 33250/308 REVISION: -



Legend

- - 12 - - Existing contours (@5m intervals)
- 12 Proposed contours (@2m intervals)
- Property boundary
- Permanent / intermittent stream
- Stream 10m setback
- Wetland
- Wetland 10m setback
- Pond
- Extent of Filling Area
- Proposed underfill strip drain



SURVEYED			APPROVED	SF	DATE
DESIGNED	TB	06.09.24	27.09.24		
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES		CHECKED	DATE	
A	MINOR TEXT AMENDMENTS		TB	14.10.24	
B	WETLAND 10M SETBACK ADDED		TB	24.10.24	
C	PROPOSED BORE COORDINATED ADDED		SF	15.01.25	
D	UNDERFILL DRAINS UPDATED		SF	03.10.25	
E	POST SECTION 92 UPDATE		SF	22.10.25	

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
 LEVEL: Auckland Vertical Datum 1946
 COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
 SCARBRO ENVIRONMENTAL LTD

PROJECT
 362 JONES RD, HUNUA

TITLE
 PROPOSED NORTHERN
 UNDERFILL STRIP DRAIN

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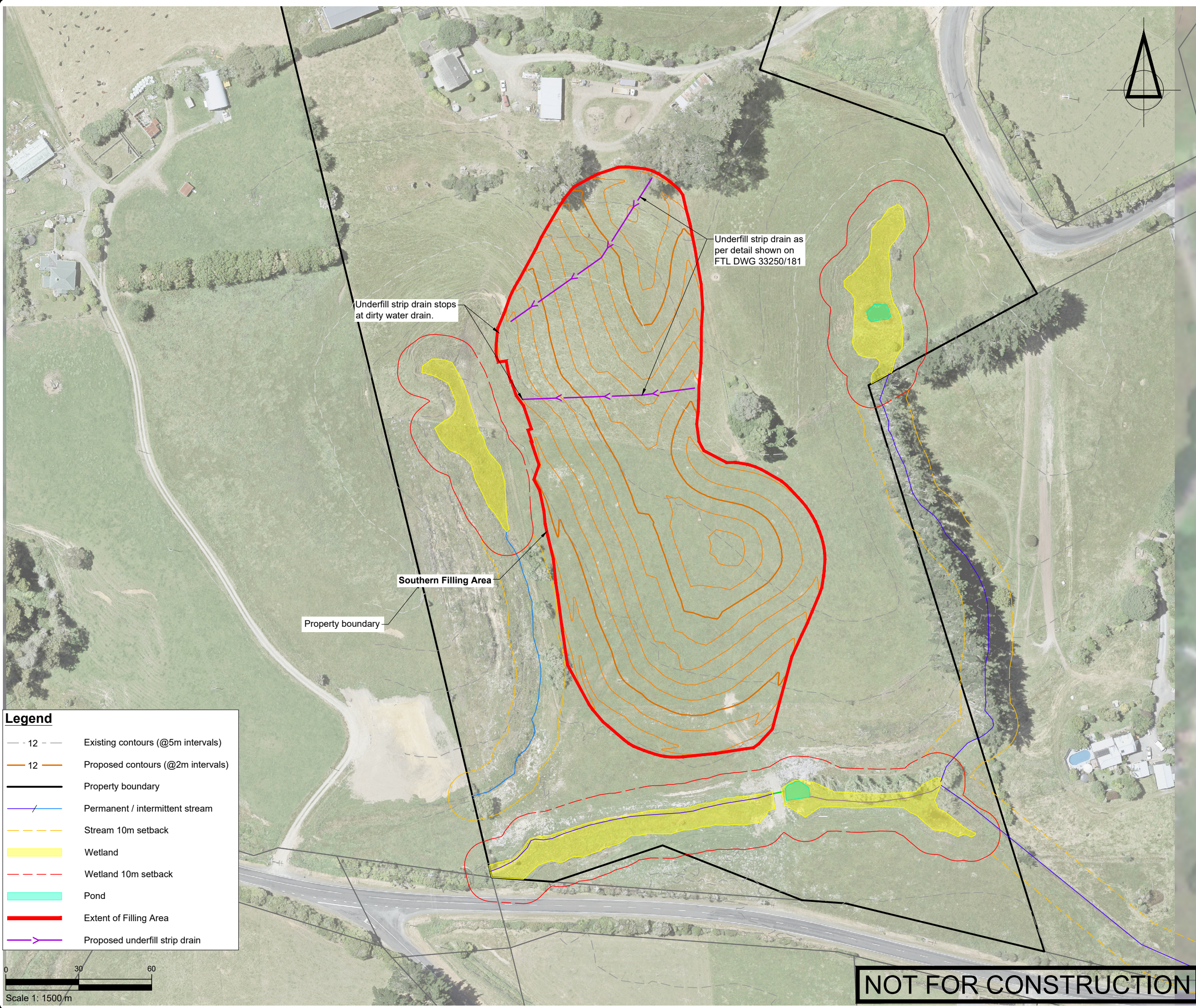
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SCALE 1:1500 (A3)
 DRAWING No 33250/350 REVISION E

NOT FOR CONSTRUCTION

P:\33 series\33250\03 Drawings\33250-351.dwg, f:\ohra, 8/12/2025 12:05 pm



Legend

- 12 -

12

/

- - -

- - -

Existing contours (@5m intervals)

Proposed contours (@2m intervals)

Property boundary

Permanent / intermittent stream

Stream 10m setback

Wetland

Wetland 10m setback

Pond

Extent of Filling Area

Proposed underfill strip drain

NOT FOR CONSTRUCTION

SURVEYED			APPROVED	SF	DATE
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	MINOR TEXT AMENDMENTS			TB	14.10.24
B	WETLAND 10M SETBACK ADDED			TB	24.10.24
C	PROPOSED BORE COORDINATED ADDED			SF	15.01.25
D	UNDERFILL DRAINS UPDATED			SF	03.10.25

NOTES

1.

Existing Ground Contour data obtained from LiDAR 2016.

2.

Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROPOSED SOUTHERN UNDERFILL STRIP DRAIN

Fraser Thomas

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CHRISTCHURCH 03 358 5936

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STATUS

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SCALE 1:1500 (A3)

DRAWING No 33250/351

REVISION D

- Proposed Treatments:
1. Stream 2: Weed and pest control within existing riparian vegetation.
 2. Within Wetlands: Weed control and enhancement planting.
 3. Stream and Wetland Riparian Zones: 10m wide buffer planting

Legend

Wetland Area

Wetland Riparian Area

Stream Riparian Area

Property boundary

Pond

Permanent / Intermittent Stream

Wetland A
area: 916 m²

Wetland A
riparian
area: 1836 m²

Wetland C
area: 711 m²

Wetland C
riparian area:
2102 m²

Wetland C

Stream 2 riparian
area: 2340 m²

Stream 2

Wetland B
riparian area:
4665 m²

Wetland B
area: 1833 m²

Wetland B

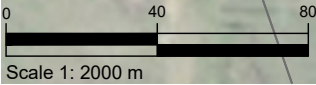
Stream 1 riparian
- Part 2
area: 576 m²

Bridge

Stream crossing remedial area
(within stream channel only)

Property boundary

Hunua Road



NOT FOR CONSTRUCTION

SURVEYED	GS	07.02.25	APPROVED	SF	DATE
DESIGNED	GS	07.02.25			
DRAWN	GS	07.02.25			
CHECKED	SF	07.02.25			
REVISION	CHANGES			CHECKED	DATE
A	POST SECTION 92 UPDATE			SF	22.10.25
B	DESIGN UPDATES			SF	05.12.25

- NOTES
1. Existing Ground Contour data obtained from LiDAR 2016.
 2. Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
ENHANCEMENT PLANTING AND
WEEDING CONTROL AREAS
(SHEET 2 OF 3)



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SCALE 1:2500 (A3)

DRAWING No 33250/401 REVISION B

- Legend**
- Wetland Area
 - Wetland Riparian Area
 - Stream Riparian Area
 - Property boundary
 - Pond
 - Permanent / Intermittent Stream

SURVEYED			APPROVED SF 07.02.25	DATE	
DESIGNED	GS	07.02.25			
DRAWN	GS	07.02.25			
CHECKED	SF	07.02.25			
REVISION	CHANGES			CHECKED	DATE
A	POST SECTION 92 UPDATE			SF	22.10.25
B	DESIGN UPDATES			SF	05.12.25
					</

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
ENHANCEMENT PLANTING AND
WEEDING CONTROL AREAS
(SHEET 3 OF 3)



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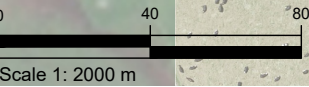
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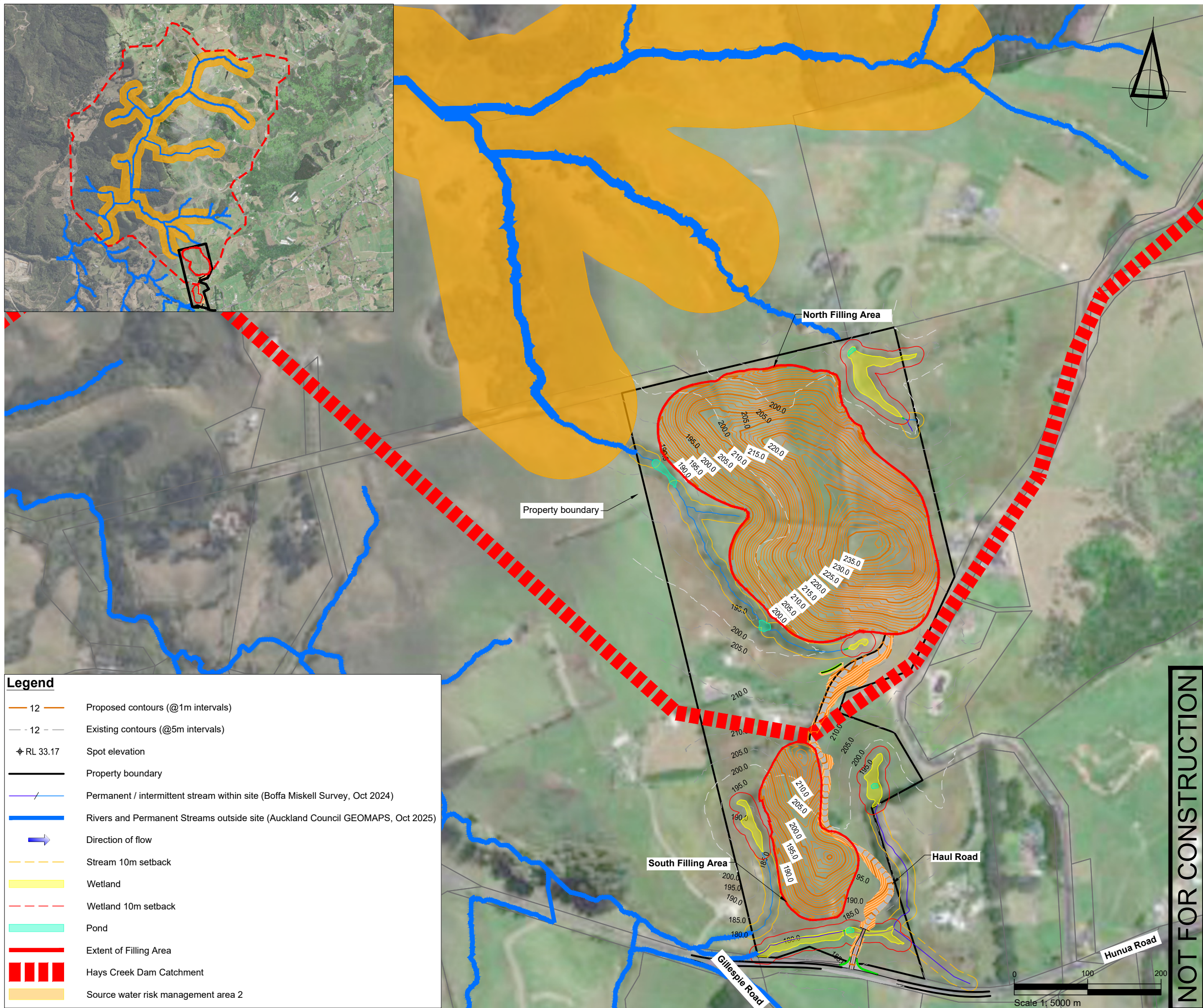
SCALE 1:2500 (A3)
DRAWING No 33250/402 REVISION B

- Proposed Treatments:
- Stream 2: Weed and pest control within existing riparian vegetation.
 - Within Wetlands: Weed control and enhancement planting.
 - Stream and Wetland Riparian Zones: 10m wide buffer planting



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Legend

12

Proposed contours (@1m intervals)

- 12 -

Existing contours (@5m intervals)

RL 33.17

Spot elevation

Property boundary

Permanent / intermittent stream within site (Boffa Miskell Survey, Oct 2024)

Rivers and Permanent Streams outside site (Auckland Council GEOMAPS, Oct 2025)

Direction of flow

Stream 10m setback

Wetland

Wetland 10m setback

Pond

Extent of Filling Area

Hays Creek Dam Catchment

Source water risk management area 2

SURVEYED			APPROVED	DATE
DESIGNED	TB	06.09.24	SF	27.09.24
DRAWN	FV	06.09.24		
CHECKED	TB	06.09.24		
REVISION	CHANGES		CHECKED	DATE
A	POST SECTION 92 UPDATE		SF	22.10.25

- NOTES
1.

Existing Ground Contour data obtained from LiDAR 2016.
2.

Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).
3.

Hays Creek Dam Catchment and source water risk management areas obtained from Figure 5.1 of Hunua Ranges Water Supply Catchment Risk Assessment (Tonkin + Taylor, June 2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

SCARBRO ENVIRONMENTAL LTD

PROJECT

362 JONES RD, HUNUA

TITLE

PROXIMITY OF FILL AREAS TO
HAYS CREEK SOURCE WATER
RISK MANAGEMENT AREAS

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06 211 2766

CHRISTCHURCH

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03 428 3292

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TAURANGA

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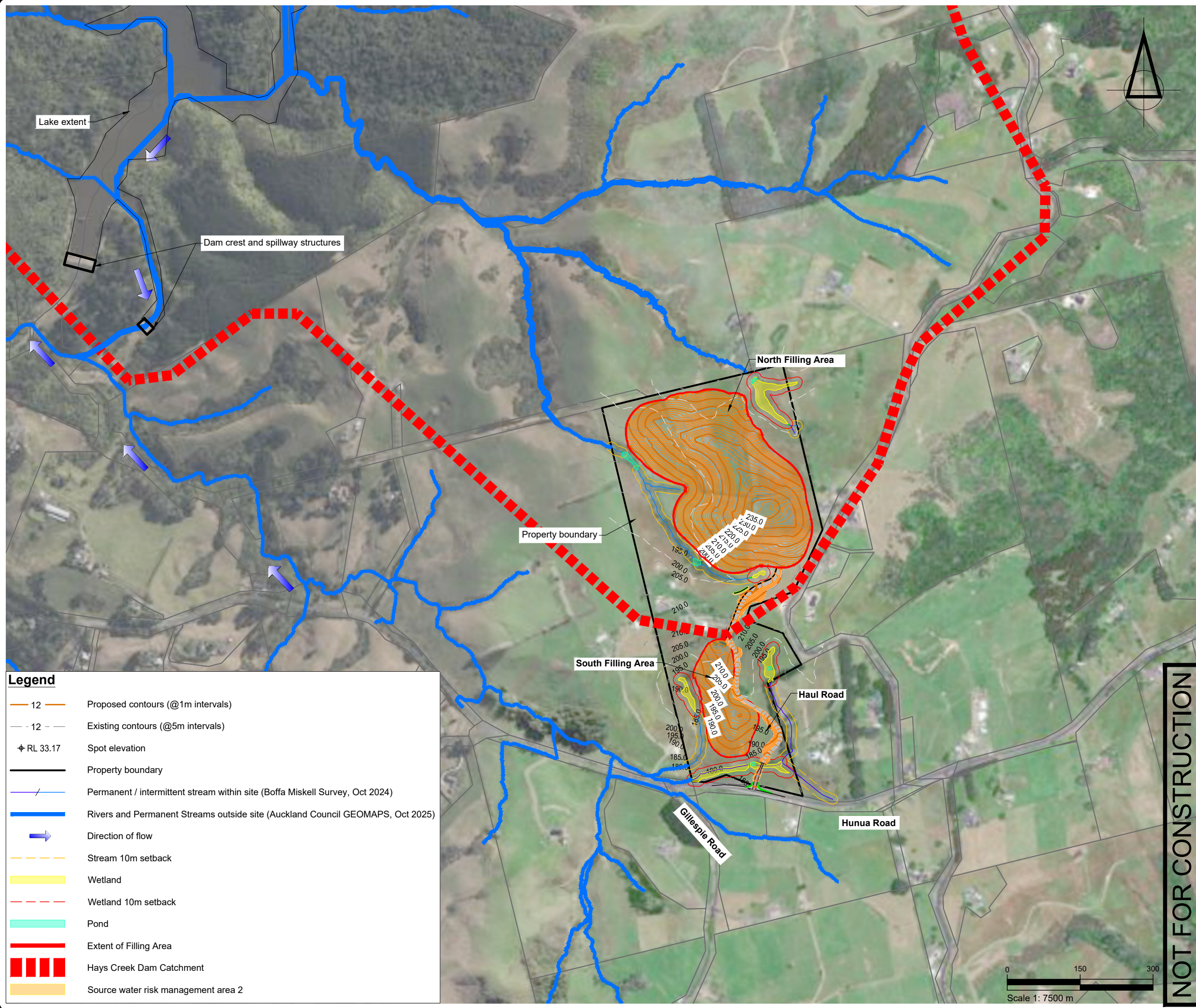
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SCALE 1:5000 (A3)

DRAWING No 33250/500

REVISION A

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Legend

12

Proposed contours (@1m intervals)

12

Existing contours (@5m intervals)

RL 33.17

Spot elevation

Property boundary

Permanent / intermittent stream within site (Boffa Miskell Survey, Oct 2024)

Rivers and Permanent Streams outside site (Auckland Council GEOMAPS, Oct 2025)

Direction of flow

Stream 10m setback

Wetland

Wetland 10m setback

Pond

Extent of Filling Area

Hays Creek Dam Catchment

Source water risk management area 2

SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	POST SECTION 92 UPDATE			SF	22.10.25

- NOTES
1.

Existing Ground Contour data obtained from LiDAR 2016.
2.

Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).
3.

Hays Creek Dam Catchment and source water risk management areas obtained from Figure 5.1 of Hunua Ranges Water Supply Catchment Risk Assessment (Tonkin + Taylor, June 2024).

PROJECT DATUMS:

LEVEL: Auckland Vertical Datum 1946

COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT

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PROJECT

362 JONES RD, HUNUA

TITLE

HAYS CREEK DAM PRINCIPAL
STORMWATER FLOW PATHS
FROM FILL SITE

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AUCKLAND

09 278 7078

HAWKE'S BAY

06 211 2766

CHRISTCHURCH

03 358 5936

BLenheim

03 428 3292

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03 222 1132

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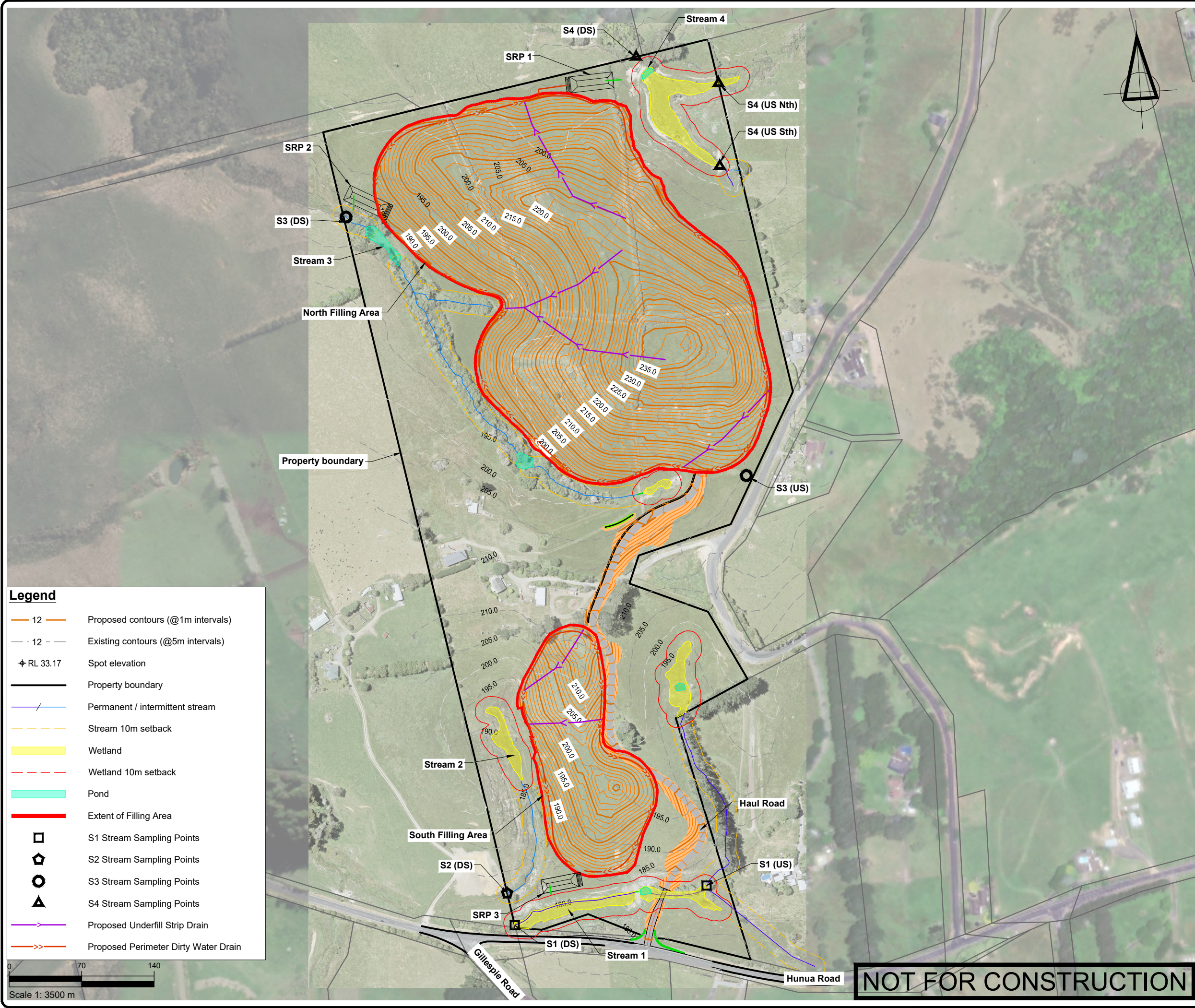
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SCALE	1:7500 (A3)
DRAWING No	33250/501
REVISION	A

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Legend

- 12 Proposed contours (@1m intervals)
- 12 - Existing contours (@5m intervals)
- ⊕ RL 33.17 Spot elevation
- Property boundary
- Permanent / intermittent stream
- Stream 10m setback
- Wetland
- Wetland 10m setback
- Pond
- Extent of Filling Area
- S1 Stream Sampling Points
- S2 Stream Sampling Points
- S3 Stream Sampling Points
- S4 Stream Sampling Points
- Proposed Underfill Strip Drain
- Proposed Perimeter Dirty Water Drain

SURVEYED			APPROVED SF 27.09.24	DATE	
DESIGNED	TB	06.09.24			
DRAWN	FV	06.09.24			
CHECKED	TB	06.09.24			
REVISION	CHANGES			CHECKED	DATE
A	POST SECTION 92 UPDATE			SF	22.10.25
B	DESIGN UPDATES			SF	05.12.25

- NOTES
- Existing Ground Contour data obtained from LiDAR 2016.
 - Streams, wetlands and ponds from Boffa Miskell Ecological report (2024).

PROJECT DATUMS:
LEVEL: Auckland Vertical Datum 1946
COORDINATE: NZGD2000 / Mount Eden 2000

CLIENT
SCARBRO ENVIRONMENTAL LTD

PROJECT
362 JONES RD, HUNUA

TITLE
STORMWATER SAMPLING PLAN

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SCALE 1:3500 (A3)
DRAWING No 33250/502 REVISION B

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