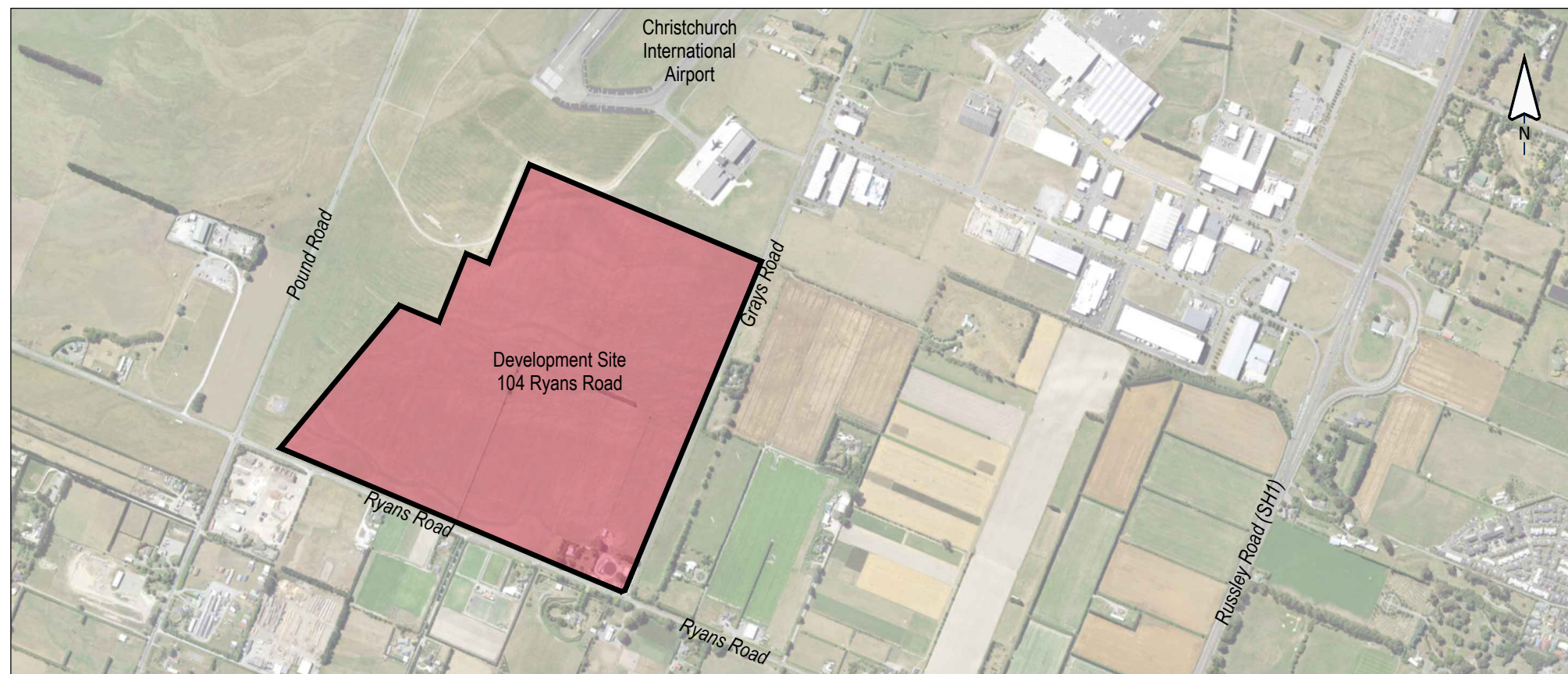


# CARTER GROUP LIMITED

## 104 RYANS ROAD HAREWOOD



CARTER  
GROUP




DATE 20/11/2025  
CIVIL APPROVAL PLAN SET  
JOB No: 1252

Check all dimensions and levels on site before commencing construction.  
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Drawing Number	Drawing Title	Scale (A3)	Amendments	DCM URBAN - LANDSCAPING PLANS		<div>This drawing remains the property of Capture Land Limited and may not be reproduced or amended without written permission. No liability shall be accepted for unauthorised use of this drawing.</div>
				Plan Title	Scale (A3)	
RC-PG100	Topographical Plan	1:4000	A	Proposal - Proposed Landscape Concept Plan	1:4000	
RC-PG110	Proposed Subdivision of Part 3 & Lot 4 DP 22679 & Part Lot 1 DP 287	1:4000	C	Proposal - Lizard Habitat Concept Plan	1:500	
RC-PG115	Proposed Staging Plan	1:4000	C	Landscape Concept Plan - Plant Palette	Not to Scale	
RC-PG120	CIAL Runway Approach Protection Surfaces	1:4000	E	Landscape Boundary Treatment - Ryans Road	Not to Scale	
RC-PG121	CIAL Runway Take-off Protection Surfaces	1:4000	E	Road Boundary Interface Sections	1:300	
RC-PG122	Airways Restriction Plan	1:4000	E	Landscape and Visual Assessment - Graphic Supplement	1:100	
RC-PG123	Airways Restriction Plan (NZ DVOR Designation Site & Siting Criteria Table)	Not to Scale	B	Road Reserve Section	Not to Scale	
RC-PG124	Lighting Control Area	1:4000	C	Indicative Landscape Plan 001	Not to Scale	
RC-PG125	Garden City Helicopters Protection Surfaces	1:4000	D	Indicative Landscape Plan 002	Not to Scale	
RC-PG127	PSR3D / MSSR Building Restricted Area Plan	1:4000	B	Landscape Plan - Buffer Planting Details	1:100	
RC-PG130	CIAL Runway 02 Approach Height Restriction Plan	1:4000	B	Landscape Plan - Biofiltration System Plans	1:500	
RC-PG131	CIAL Runway 02 Take-off Height Restriction Plan	1:4000	B			
RC-PG132	Airways Height Restriction Plan	1:4000	B			
RC-PG135	Garden City Helicopters Height Restriction Plan	1:4000	B			
RC-PG140	Future ICAO OLS - Approach & Transitional Obstacle Free Surfaces	1:4000	A			
RC-PG142	Future ICAO OLS - Critical Obstacle Evaluation Surfaces	1:4000	B			
RC-EW200	Existing & Proposed Contours - Overall	1:4000	C			
RC-EW201	Existing & Proposed Contours (Sheet 1 of 2)	1:1500	C			
RC-EW202	Exitsing & Proposed Contours (Sheet 2 of 2)	1:1500	B			
RC-EW205	Erosion & Sediment Control Plan - Overall	1:4000	C			
RC-EW206	Erosion & Sediment Control Plan (Sheet 1 of 2)	1:1500	D			
RC-EW207	Erosion & Sediment Control Plan (Sheet 2 of 2)	1:1500	B			
RC-EW210	Erosion & Sediment Control Details	As Shown	A			
RC-EW220	Proposed Cut & Fill Elevations	1:4000	D			
RC-RD300	Road Layout Plan - Overall	1:4000	D			
RC-RD301	Road Layout Plan (Sheet 1 of 7)	1:1000	E			
RC-RD302	Road Layout Plan (Sheet 2 of 7)	1:1000	B			
RC-RD303	Road Layout Plan (Sheet 3 of 7)	1:1000	B			
RC-RD304	Road Layout Plan (Sheet 4 of 7)	1:1000	D			
RC-RD305	Road Layout Plan (Sheet 5 of 7)	1:1000	A			
RC-RD306	Road Layout Plan (Sheet 6 of 7)	1:1000	A			
RC-RD307	Road Layout Plan (Sheet 7 of 7)	1:1000	A			
RC-RD310	Ryans Road & Grays Road Intersection	1:250	D			
RC-RD311	Typical Ryans Road Intersection	1:250	D			
RC-RD312	Typical Grays Road Intersection	1:250	B			
RC-RD315	Road 1 Longsection	As Shown	A			
RC-RD316	Road 2 Longsection	As Shown	A			
RC-RD317	Road 3 Longsection	As Shown	A			
RC-RD318	Road 4 Longsection (Sheet 1 of 2)	As Shown	A			
RC-RD319	Road 4 Longsection (Sheet 2 of 2)	As Shown	A			
RC-RD320	Proposed Road Widening Typical Cross Sections	As Shown	E			
RC-RD321	Proposed Roding Typical Cross Sections	As Shown	B			
RC-RD330	Typical Vehicle Crossing	As Shown	B			
RC-SW400	Proposed Stormwater Servicing	1:4000	D			
RC-SW420	Typical Stormwater Basin Details (Sheet 1 of 2)	1:500	D			
RC-SW421	Typical Stormwater Basin Details (Sheet 1 of 2)	1:125	A			
RC-WW500	Proposed Wastewater Servicing - Low Pressure Sewer (Sheet 1 of 2)	1:4000	C			
RC-WW501	Proposed Wastewater Servicing - Low Pressure Sewer (Sheet 2 of 2)	As Shown	B			
RC-WS600	Proposed Water Servicing (Sheet 1 of 2)	1:4000	B			
RC-WS601	Proposed Water Servicing (Sheet 2 of 2)	As Shown	A			

REV	DATE	REVISION DETAILS	ISSUED
B	06/03/25	AMENDMENTS	TL
C	12/08/25	REVISIONS	TL
D	10/09/25	SHEET 127 ADDED	TL
E	06/11/25	REVISIONS UPDATED	TL
F	20/11/25	REVISIONS	TL
G	27/11/25	REVISIONS	TL



CLIENT

CARTER GROUP LIMITED

PROJECT

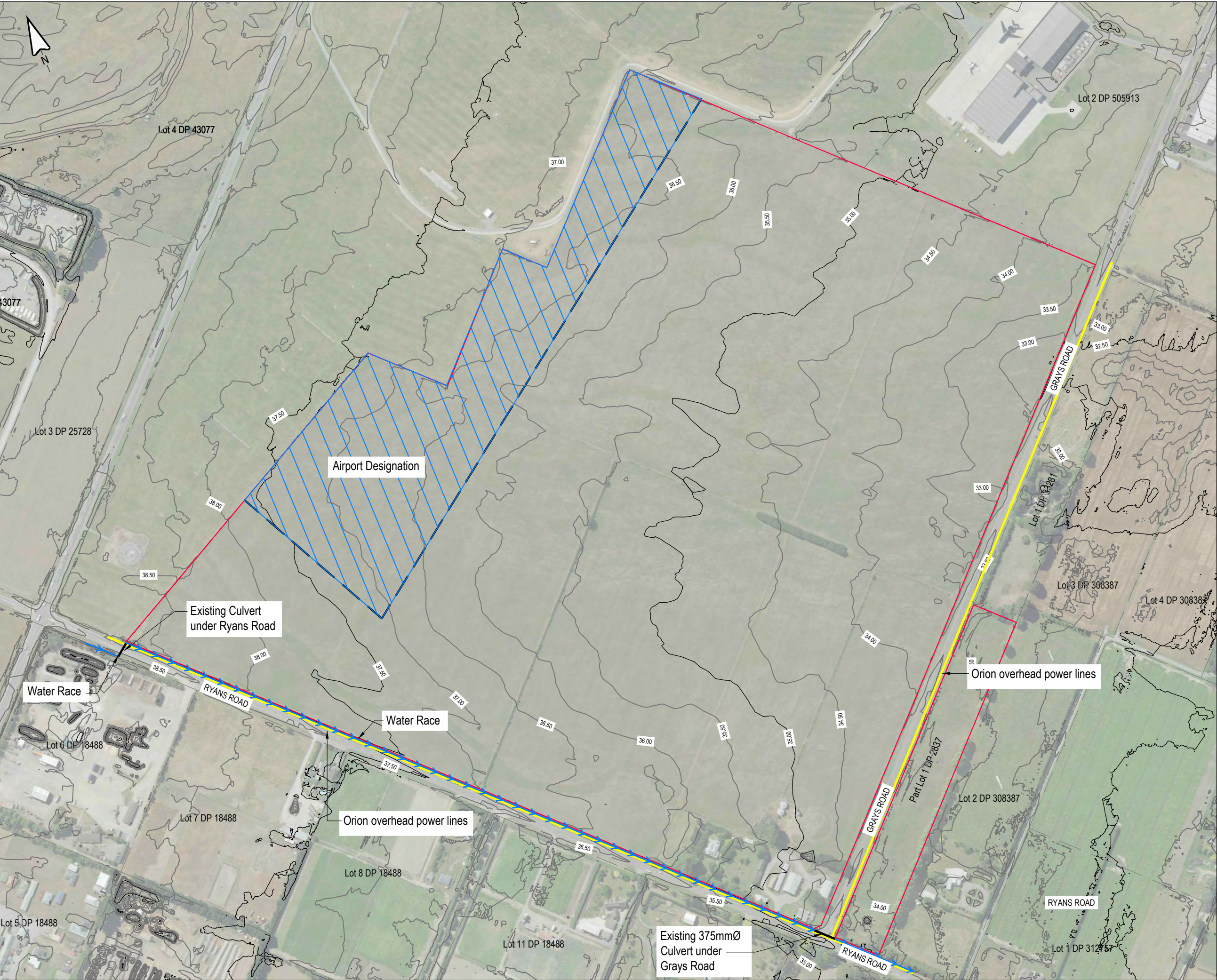
104 RYANS ROAD, HAREWOOD

DRAWING TITLE

DRAWING SCHEDULE

STATUS	SCALE	SIZE
FOR APPROVAL	NTS	A3
PROJECT	DRAWING NO	REVISION
1252	RC-PG001	G






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Notes:

- 1. Levels are in terms of NZVD2016.
- 2. Existing contours are based on topographical survey and lidar data.

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL



CLIENT

CARTER GROUP LIMITED

PROJECT

104 RYANS ROAD, HAREWOOD

DRAWING TITLE

TOPOGRAPHICAL PLAN

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RCPG100	A





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LEGEND :

-  AIRPORT DESIGNATION
-  3.0m WIDE PLANTING STRIP ALONG RYANS AND GRAYS ROAD FRONTAGES

NOTES :

- SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.
- LOTS 200-201 ARE TO BE VESTED AS LOCAL PURPOSE UTILITY RESERVES (STORMWATER)
- LOTS 300-301 ARE TO BE VESTED AS ROAD
- LOT 400 IS TO BE VESTED AS LOCAL PURPOSE UTILITY RESERVE (WATER)
- LOT 500 IS A BALANCE LOT.

ROADS TO BE VESTED

LOT 300 AREA = 22,444m<sup>2</sup>  
LOT 301 AREA = 32,338m<sup>2</sup>  
LOT 302 AREA = 18m<sup>2</sup>

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	12/08/25	MINOR REVISIONS	TL
C	06/11/25	SW RESERVES REVISED	TL



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PROJECT  
104 RYANS ROAD, HAREWOOD

PROPOSED SUBDIVISION OF  
PART LOT 3 & LOT 4 DP 22679 &  
PART LOT 1 DP 2837  
(COMPRISED IN RT'S CB13A/1098 & CB7A/401)

STATUS  
FOR APPROVAL

SCALE  
1:4000

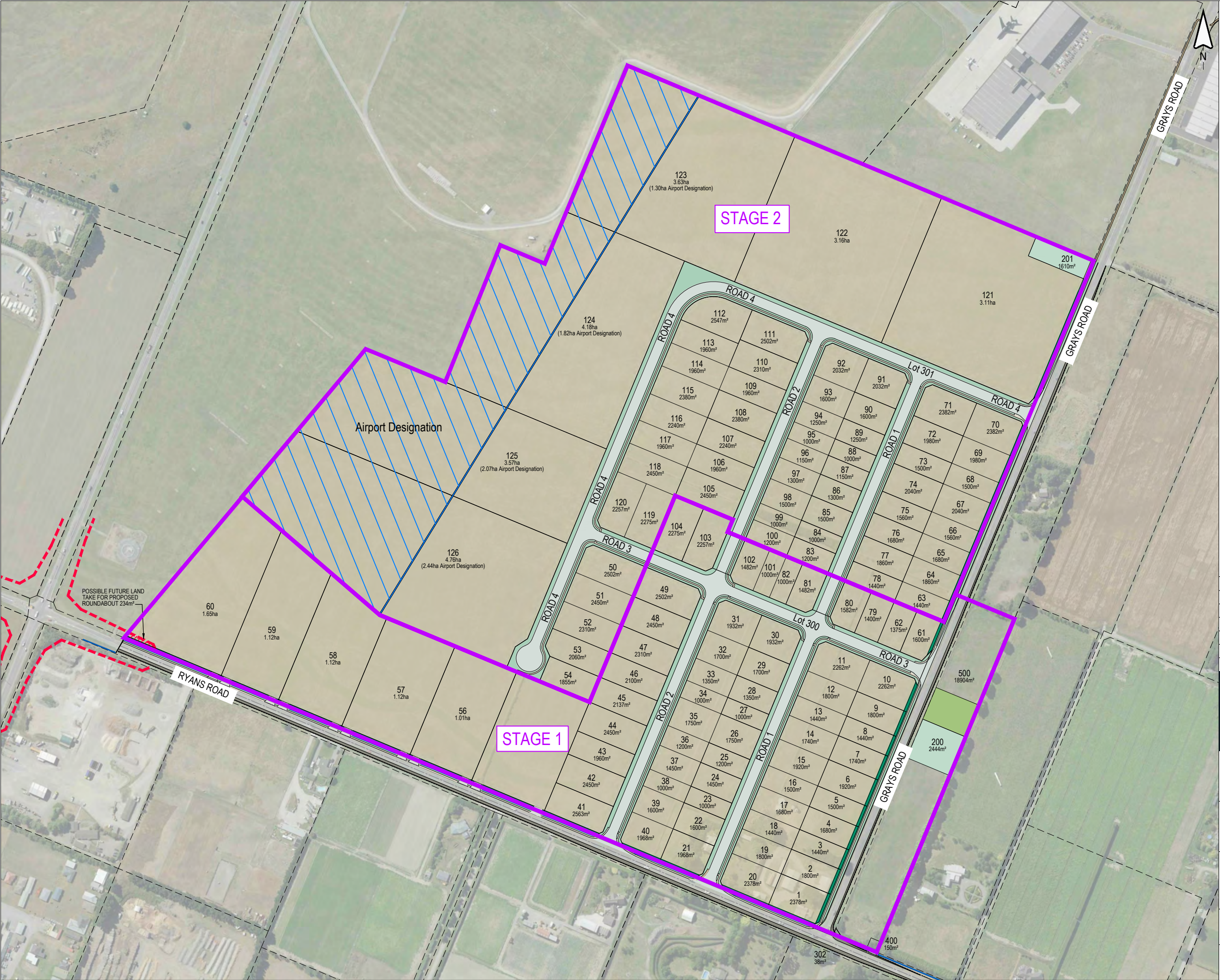
SIZE  
A3

PROJECT  
1252

DRAWING NO  
RC-PG110

REVISION  
C





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LEGEND :  
STAGE BOUNDARIES

NOTES :  
1. SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	12/08/25	MINOR REVISIONS	TL
C	06/11/25	SW RESERVES REVISED	TL

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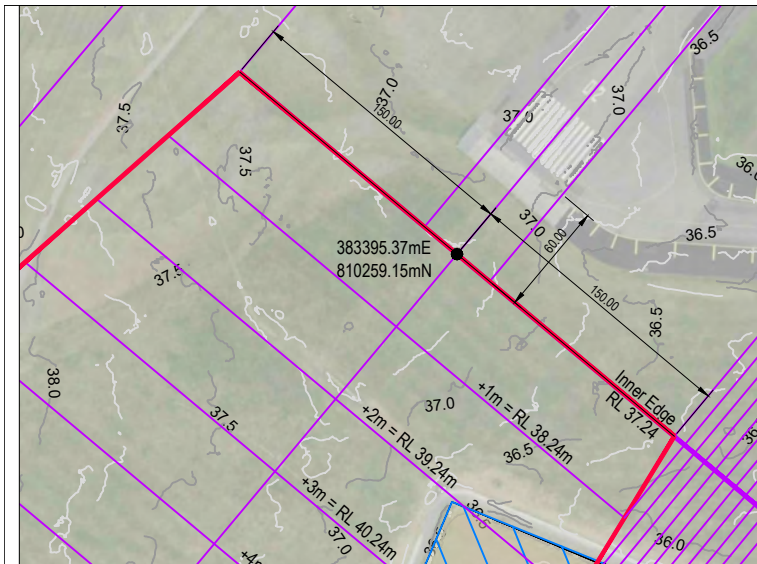
PROJECT  
104 RYANS ROAD, HAREWOOD

DRAWING TITLE  
PROPOSED SUBDIVISION STAGING

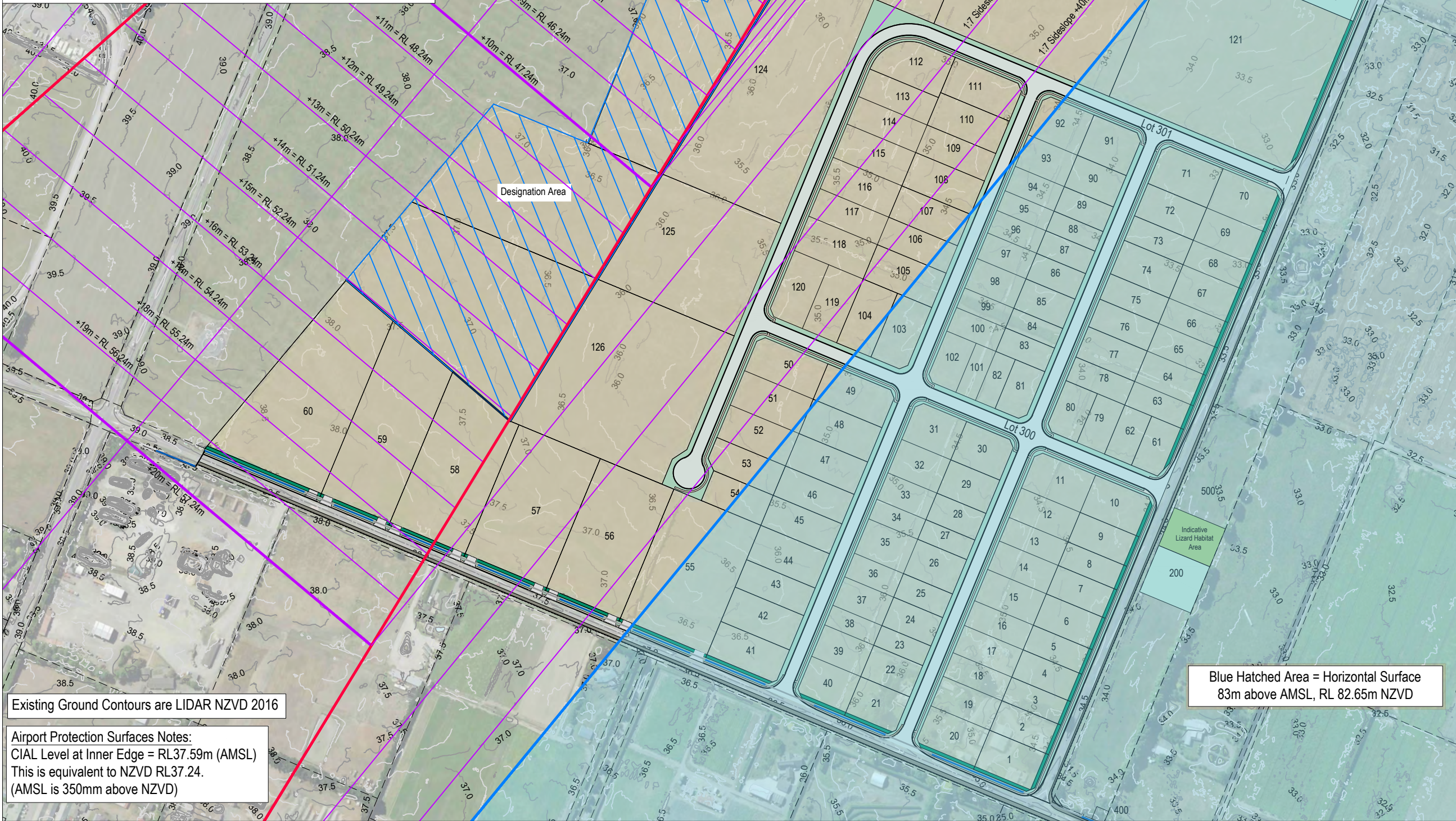
STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-PG115	C





INSET A



Existing Ground Contours are LIDAR NZVD 2016

Airport Protection Surfaces Notes:  
CIAL Level at Inner Edge = RL37.59m (AMSL)  
This is equivalent to NZVD RL37.24.  
(AMSL is 350mm above NZVD)

SEE INSET A FOR  
SETOUT LOCATION

Designation Area

Blue Hatched Area = Horizontal Surface  
83m above AMSL, RL 82.65m NZVD

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NOTES :

1. SCHEME PLAN ONLY, AREAS & DIMENSIONS  
ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	05/08/25	HORIZ SURFACE ADDED	TL
C	07/08/25	MINOR REVISIONS	TL
D	12/08/25	MINOR REVISIONS	TL
E	06/11/25	SW RESERVES REVISED	TL



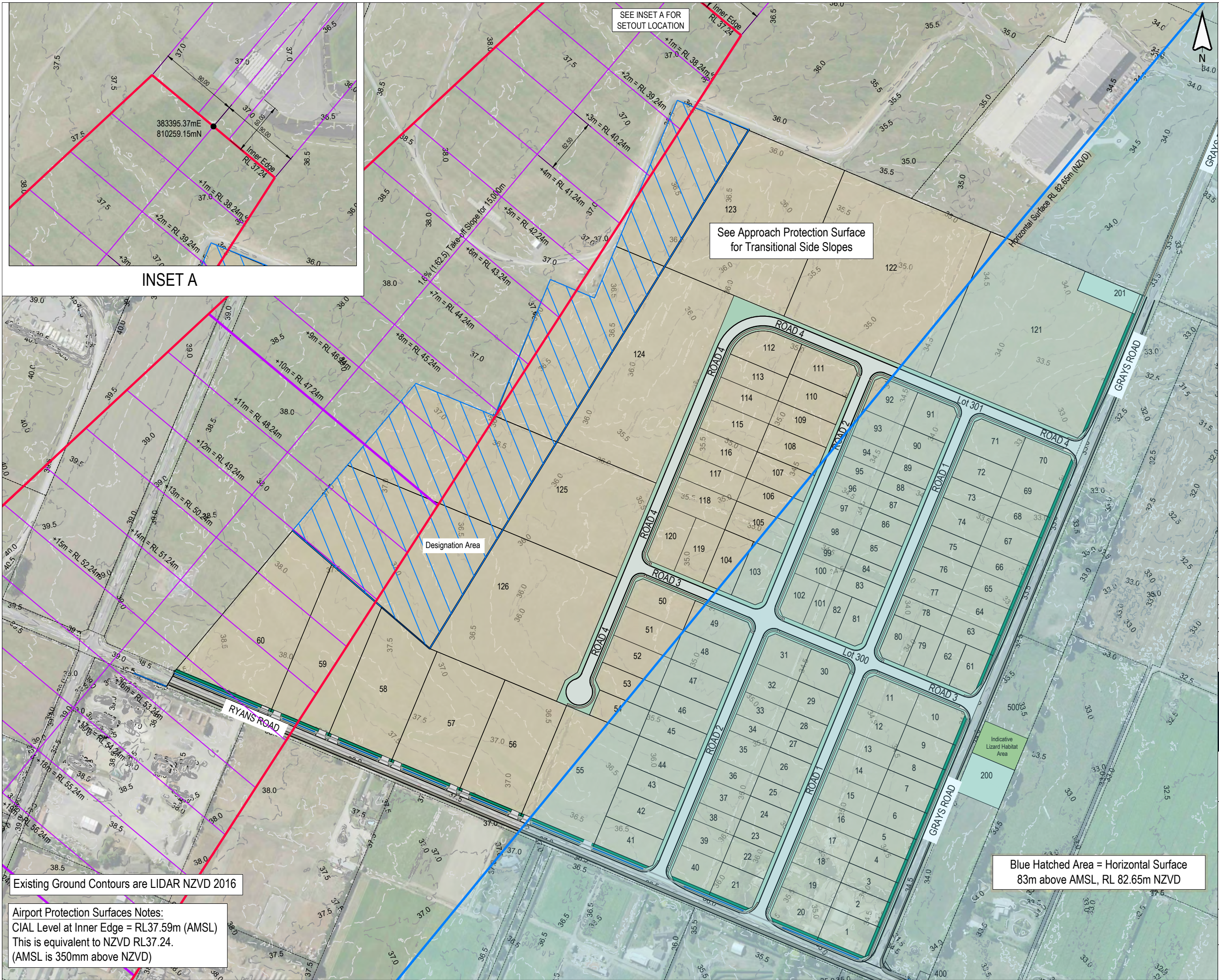
CLIENT  
CARTER GROUP LIMITED

PROJECT  
104 RYANS ROAD, HAREWOOD

DRAWING TITLE  
CIAL RUNWAY APPROACH  
PROTECTION SURFACES

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3
PROJECT	DRAWING NO	REVISION
1252	RC-PG120	E





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- NOTES :
1. SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	05/08/25	GENERAL REVISIONS	TL
C	07/08/25	MINOR REVISIONS	TL
D	12/08/25	MINOR REVISIONS	TL
E	06/11/25	SW RESERVES REVISED	TL

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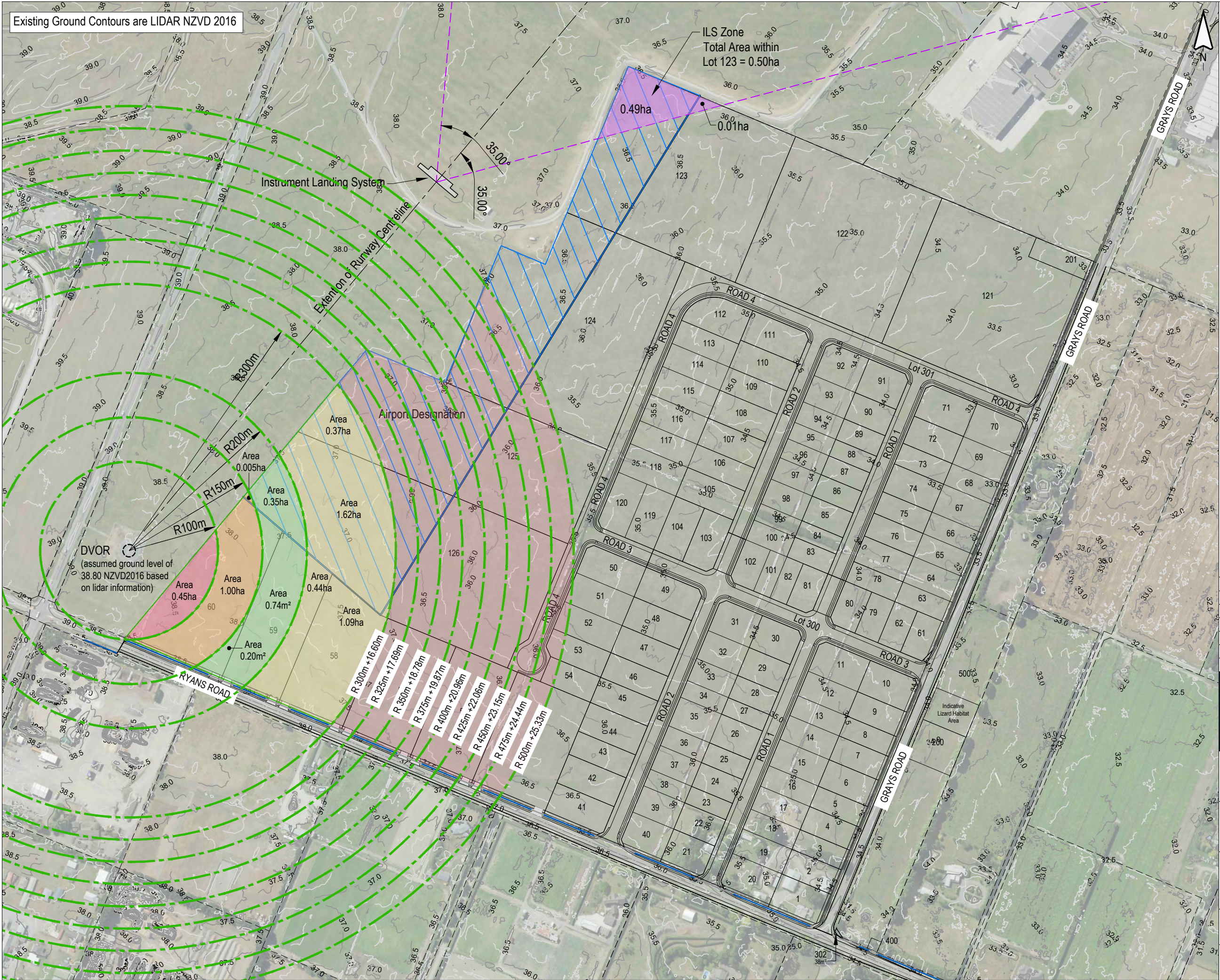
PROJECT  
104 RYANS ROAD, HAREWOOD

DRAWING TITLE  
CIAL RUNWAY TAKE-OFF PROTECTION SURFACES

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-PG121	E





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LEGEND :



Airport Designation



Doppler very high frequency omni-directional range (DVOR). Refer to plan PG123 for height restriction requirements.

NOTES :

DVOR Information shown on the plan has been sourced from Airways Plan "NZ DVOR Designation Site & Siting Criteria Graphic" Drawing Number 50253 Issue A.

1. Heights of obstacles shown (m) are the maximum at the furthest distance within a given area (unless otherwise noted). Allowed heights must stay under given vertical angle from the DVOR and therefore will be less than shown if the obstacle is located closer to the DVOR.
2. Information is referenced from Indra and Thales DVOR siting criteria. (Refer also Eurocae and FAA).
3. All power and communication cables are to be laid underground for a minimum of 150m from DVOR antenna. The line of approach for power and communications cables should be in alignment with the radials from the DVOR.
4. Where there are multiple structures near each other, these are to be considered as one structure (combined) when completing scalloping analysis.
5. The metal framing and/or metallic materials included in non-metallic structures needs to be considered as part of the analysis, i.e reinforcing in concrete walls.
6. Scalloping analysis is to be completed for all objects and structures within 300m of the DVOR and any other objects outside 300mm that may interfere with the DVOR coverage.
7. ICAO document EUR015 European Guidance Material on Managing Building Restricted Areas provides guidance for determining whether the physical presence of structures have an adverse effect on the availability or quality of navigational signals.
8. Terrain restrictions need to be considered when completing coverage analysis.

REV	DATE	REVISION DETAILS	ISSUED
A	29/01/25	FOR INFO	TL
B	03/02/25	GENERAL REVISIONS	TL
C	05/08/25	FOR APPROVAL	TL
D	12/08/25	GENERAL REVISIONS	TL
E	06/11/25	SW RESERVES REVISED	TL



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PROJECT

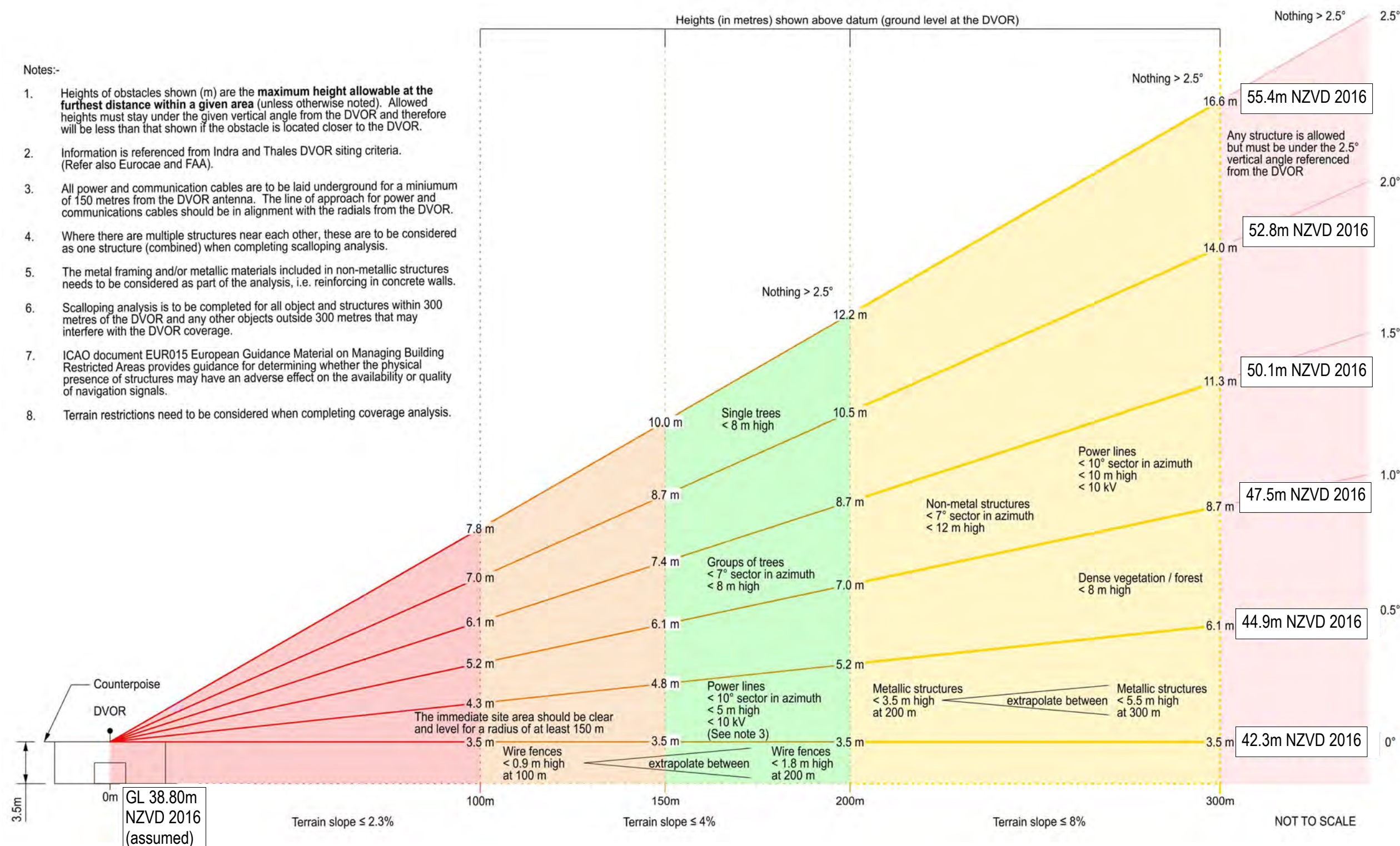
104 RYANS ROAD, HAREWOOD

AIRWAYS RESTRICTION PLAN

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3
PROJECT	DRAWING NO	REVISION
1252	RC-PG122	E



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REV	DATE	REVISION DETAILS	ISSUED
A	03/02/24	FOR INFO	TL
B	05/08/25	FOR APPROVAL	TL



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CARTER GROUP LIMITED

PROJECT

104 RYANS ROAD, HAREWOOD

### AIRWAYS RESTRICTION PLAN (NZ DVOR DESIGNATION SITE & SITING CRITERIA TABLE)


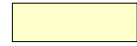
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FOR APPROVAL	Not to Scale	A3
<b>PROJECT</b>	<b>DRAWING NO</b>	<b>REVISION</b>
1252	RC-PG123	B





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LEGEND :

-  AIRPORT DESIGNATION
-  LIGHTING CONTROL AREA (SEE RULE 6.3.4.5 NC2)

NOTES :

- SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.
- LOTS 200-201 ARE TO BE VESTED AS LOCAL PURPOSE UTILITY RESERVES (STORMWATER)
- LOTS 300-301 ARE TO BE VESTED AS ROAD
- LOT 400 IS TO BE VESTED AS LOCAL PURPOSE UTILITY RESERVE (WATER)
- LOT 500 IS A BALANCE LOT.

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	12/08/25	MINOR REVISIONS	TL
C	06/11/25	SW RESERVES REVISED	TL



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PROJECT  
104 RYANS ROAD, HAREWOOD

LIGHTING CONTROL AREA

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3
PROJECT	DRAWING NO	REVISION
1252	RC-PG124	C



Existing Ground Contours are LIDAR NZVD 2016



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**NOTES:**

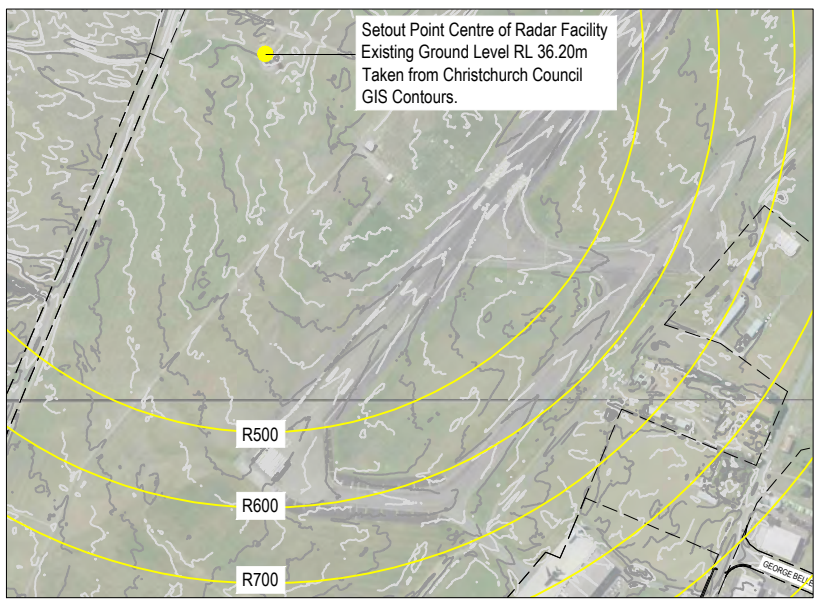
1. SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.
2. GARDEN CITY HELICOPTER PROTECTION SURFACES INFORMATION SUPPLIED FROM CHRISTCHURCH AIRPORT PLAN ASI-1204 REV AB DATED 01/02/2018.

REV	DATE	REVISION DETAILS	ISSUED
A	05/08/25	FOR APPROVAL	TL
B	07/08/25	MINOR REVISIONS	TL
C	12/08/24	MINOR REVISIONS	TL
D	06/11/25	SW RESERVES REVISED	TL

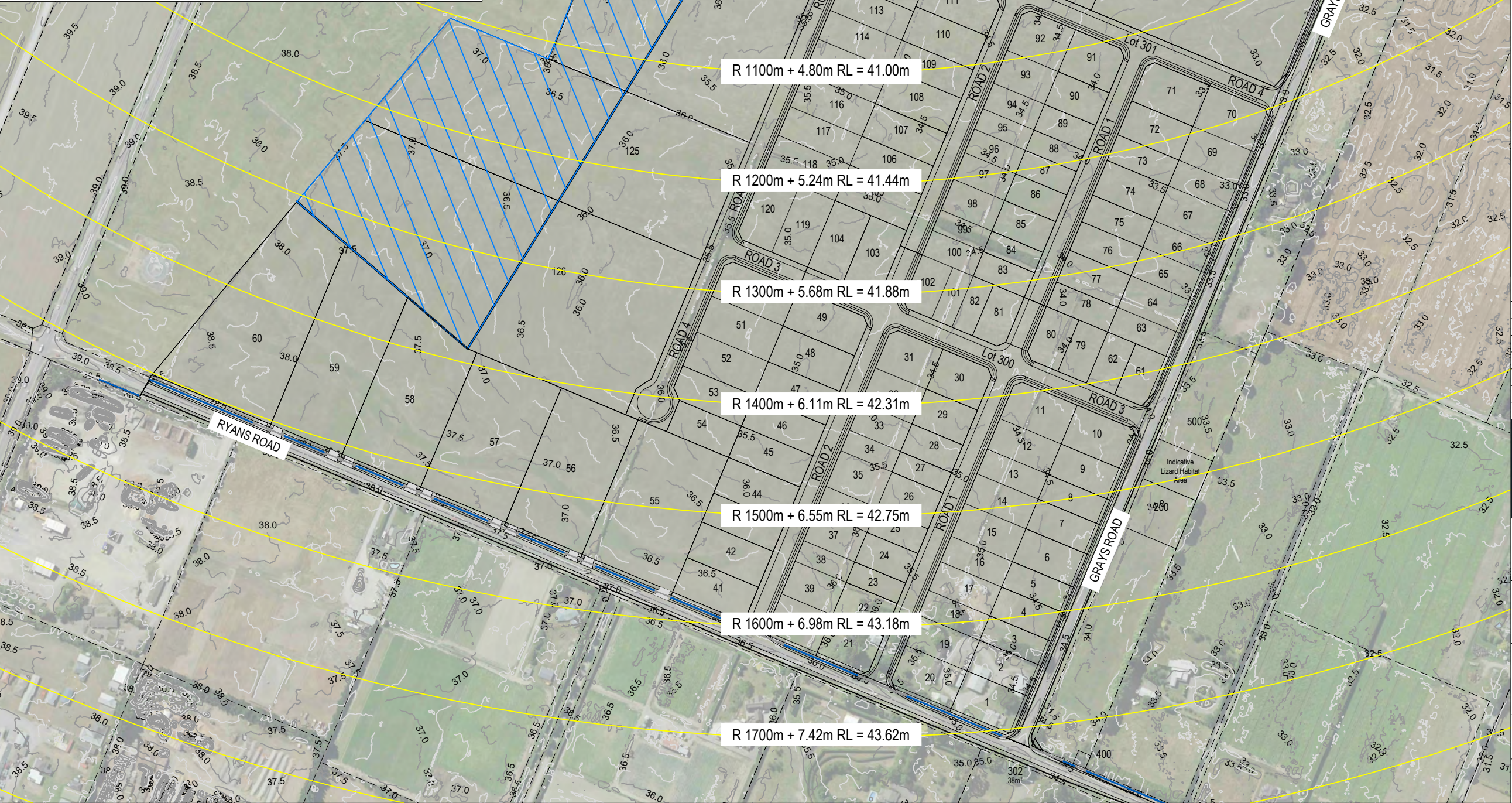


CLIENT		
CARTER GROUP LIMITED		
PROJECT		
104 RYANS ROAD, HAREWOOD		
DRAWING TITLE		
GARDEN CITY HELICOPTERS PROTECTION SURFACES		
STATUS		SCALE
FOR APPROVAL		1:4000
		SIZE
		A3
PROJECT	DRAWING NO	REVISION
1252	RC-PG125	D





INSET A  
Scale 1:10,000 (A3)



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**NOTES :**

Building restricted area information shown on the plan has been sourced from Airways Plan "Christchurch International Airport PSR3D / MSSR Building Restricted Area Plan" Drawing Number 33402 Rev -.

1. Building Restricted Area (BRA) shown from Christchurch Radar (Omni-Directional) Facility.
2. For radial distances below 500m from the centre of the radar facility there should be no buildings.
3. For radial distances 500m and beyond from the centre of the radar facility any building should be below a conical surface that starts at ground level at the centre of the radar facility and climbs at an angle of 0.25° from horizontal. EG at 1000m from the radar centre any building should be below 4.36m vertical height as measured from the height of ground level at the radar site.
4. Any new structures that infringe the BRA areas will need to be notified to Airways for assessment prior to construction.
5. Existing ground level of centre of Radar Facility is assumed to be RL 36.20 NZVD 2016 based on Christchurch Council Lidar Contours.

REV	DATE	REVISION DETAILS	ISSUED
A	09/09/25	FOR APPROVAL	TL
B	06/11/25	SW RESERVES REVISED	TL

**CAPTURE**  
Land Development Consultants

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CARTER GROUP LIMITED

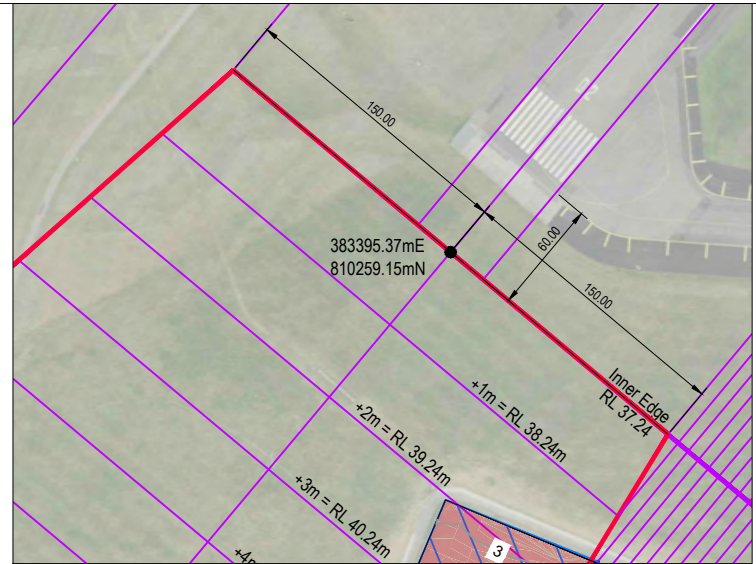
**PROJECT**  
104 RYANS ROAD, HAREWOOD

**PSR3D / MSSR BUILDING RESTRICTED AREA PLAN**

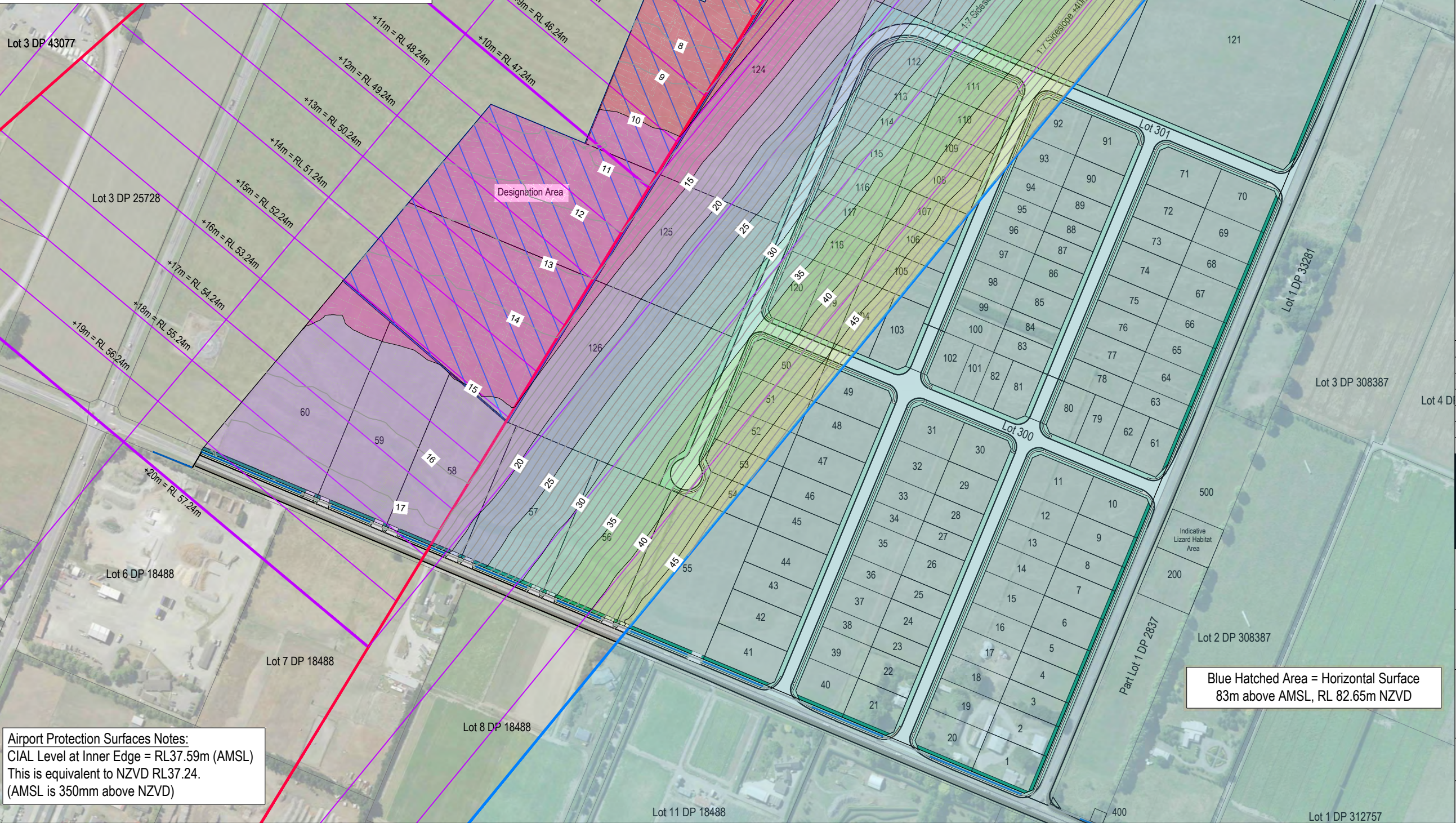
STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-PG127	B





INSET A



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NOTES:

1. SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.

LEGEND:

HATCHED AREAS DESCRIBED BELOW INDICATE THE MAXIMUM ALLOWABLE STRUCTURE HEIGHT ABOVE EXISTING GROUND LEVEL BASED ON THE CIAL RUNWAY 02 APPROACH SLOPE PROTECTION SURFACES.

0-5m ABOVE EXISTING GROUND
5-10m ABOVE EXISTING GROUND
10-15m ABOVE EXISTING GROUND
15-20m ABOVE EXISTING GROUND
20-25m ABOVE EXISTING GROUND
25-30m ABOVE EXISTING GROUND
30-35m ABOVE EXISTING GROUND
35-40m ABOVE EXISTING GROUND
40-45m ABOVE EXISTING GROUND
45-50m ABOVE EXISTING GROUND

REV	DATE	REVISION DETAILS	ISSUED
A	12/08/25	FOR APPROVAL	TL
B	06/11/25	SW RESERVES REVISED	TL

**CAPTURE**  
Land Development Consultants

CLIENT  
**CARTER GROUP LIMITED**

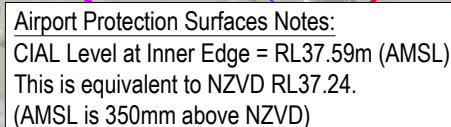
PROJECT  
**104 RYANS ROAD, HAREWOOD**

DRAWING TITLE  
**CIAL RUNWAY 02 APPROACH HEIGHT RESTRICTION PLAN**

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-PG130	B





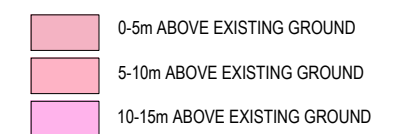
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NOTES :

1. SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.

LEGEND:

HATCHED AREAS DESCRIBED BELOW INDICATE THE MAXIMUM ALLOWABLE STRUCTURE HEIGHT ABOVE EXISTING GROUND LEVEL BASED ON THE CIAL RUNWAY 02 TAKEOFF SLOPE PROTECTION SURFACE.



REV	DATE	REVISION DETAILS	ISSUED
A	12/08/25	FOR APPROVAL	TL
B	06/11/25	SW RESERVES REVISED	TL



**CLIENT**

CARTER GROUP LIMITED

PROJECT

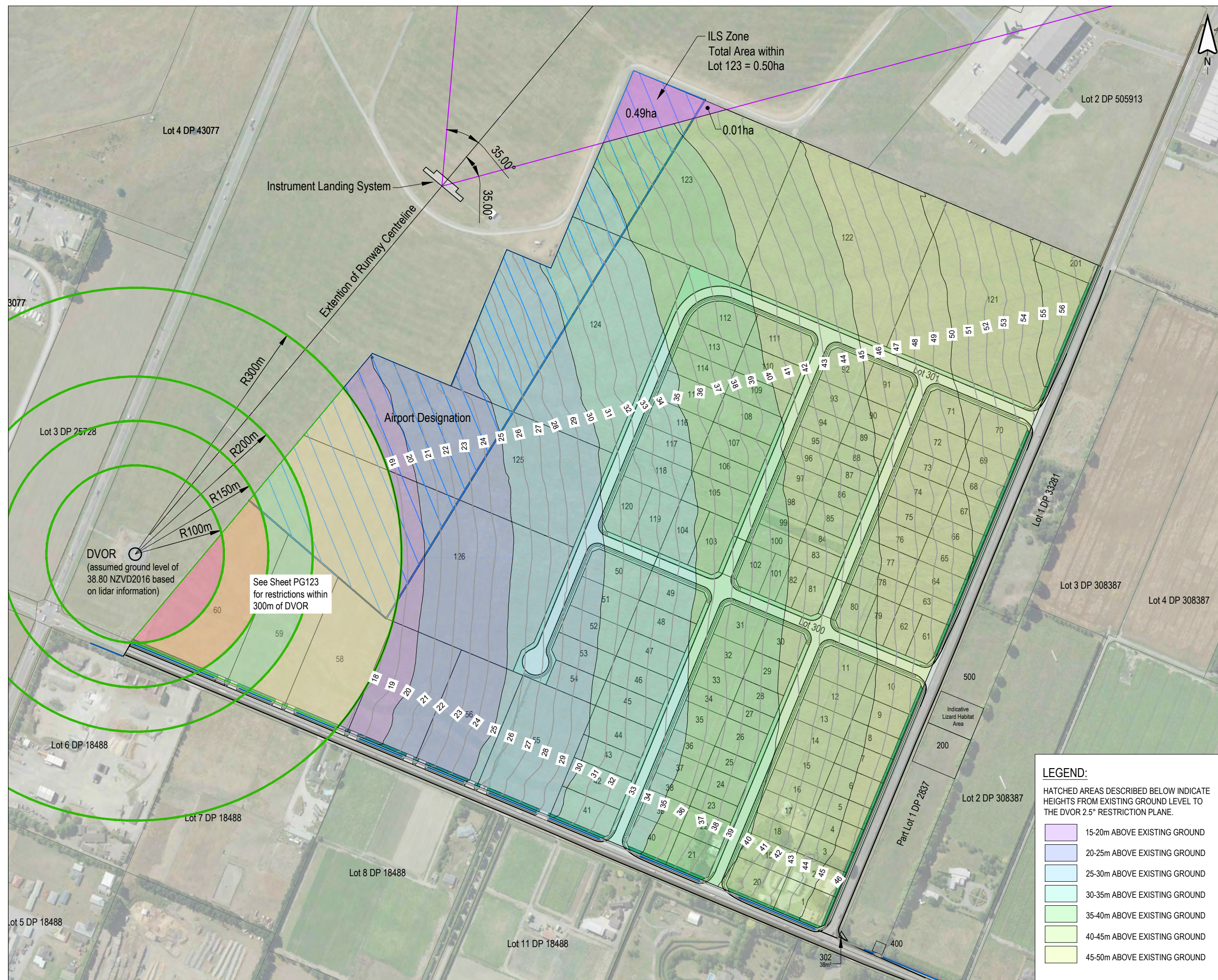
104 RYANS ROAD, HAREWOOD

**DRAWING TITLE**

## CIAL RUNWAY 02 TAKE-OFF HEIGHT RESTRICTION PLAN

<b>STATUS</b>	<b>SCALE</b>	<b>SIZE</b>
FOR APPROVAL	1:4000	A3
<b>PROJECT</b>	<b>DRAWING NO</b>	<b>REVISION</b>
1252	RC-PG131	B





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LEGEND :



### Airport Designation



Doppler very high frequency  
omni-directional range (DVOR).  
Refer to plan PG123 for height  
restriction requirements.

NOTES :

DVOR Information shown on the plan has been sourced from Airways Plan "NZ DVOR Designation Site & Sitting Criteria Graphic" Drawing Number 50253 Issue A.

1. Heights of obstacles shown (m) are the maximum at the furthest distance within a given area (unless otherwise noted). Allowed heights must stay under given vertical angle from the DVOR and therefore will be less than shown if the obstacle is located closer to the DVOR.
2. Information is referenced from Indra and Thales DVOR siting criteria. (Refer also Eurocae and FAA).
3. All power and communication cables are to be laid underground for a minimum of 150m from DVOR antenna. The line of approach for power and communications cables should be in alignment with the radials from the DVOR.
4. Where there are multiple structures near each other, these are to be considered as one structure (combined) when completing scalloping analysis.
5. The metal framing and/or metallic materials included in non-metallic structures needs to be considered as part of the analysis, i.e reinforcing in concrete walls.
6. Scalloping analysis is to be completed for all objects and structures within 300m of the DVOR and any other objects outside 300m that may interfere with the DVOR coverage.
7. ICAO document EUR015 European Guidance Material on Managing Building Restricted Areas provides guidance for determining whether the physical presence of structures have an adverse effect on the availability or quality of navigational signals.
8. Terrain restrictions need to be considered when completing coverage analysis.

REV	DATE	REVISION DETAILS	ISSUED
A	29/01/25	FOR APPROVAL	TL
B	06/11/25	SW RESERVES REVISED	TL



	CLIENT
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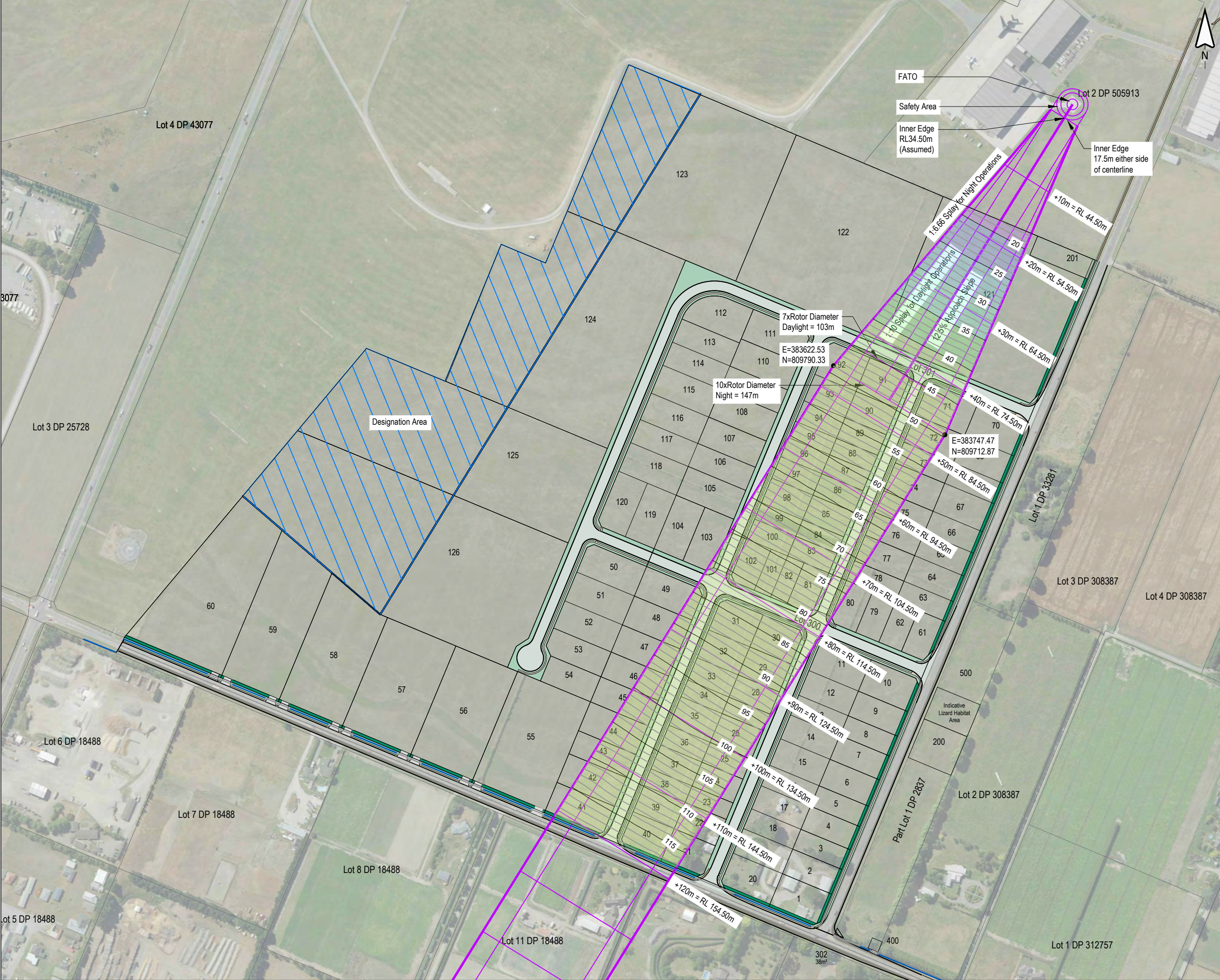
<b>PROJECT</b>
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104 RYANS ROAD, HAREWOOD

# AIRWAYS HEIGHT RESTRICTION PLAN

<b>STATUS</b>	<b>SCALE</b>	<b>SIZE</b>
FOR APPROVAL	1:4000	A3
<b>PROJECT</b>	<b>DRAWING NO</b>	<b>REVISION</b>
1252	RC-PG132	B





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**NOTES :**

1. SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.

2. GARDEN CITY HELICOPTER PROTECTION SURFACES INFORMATION SUPPLIED FROM CHRISTCHURCH AIRPORT PLAN ASI-1204 REV AB DATED 01/02/2018.

**LEGEND:**

HATCHED AREAS DESCRIBED BELOW INDICATE THE MAXIMUM ALLOWABLE STRUCTURE HEIGHT ABOVE EXISTING GROUND LEVEL BASED ON THE GARDEN CITY HELICOPTERS APPROACH SLOPE PROTECTION SURFACES.

	0-5m ABOVE EXISTING GROUND
	5-10m ABOVE EXISTING GROUND
	10-15m ABOVE EXISTING GROUND
	15-20m ABOVE EXISTING GROUND
	20-25m ABOVE EXISTING GROUND
	25-30m ABOVE EXISTING GROUND
	30-35m ABOVE EXISTING GROUND
	35-40m ABOVE EXISTING GROUND
	40-45m ABOVE EXISTING GROUND
	45-120m ABOVE EXISTING GROUND

REV	DATE	REVISION DETAILS	ISSUED
A	12/08/25	FOR APPROVAL	TL
B	06/11/25	SW RESERVES REVISED	TL

**CAPTURE**  
Land Development Consultants

**CLIENT**

CARTER GROUP LIMITED

**PROJECT**

104 RYANS ROAD, HAREWOOD

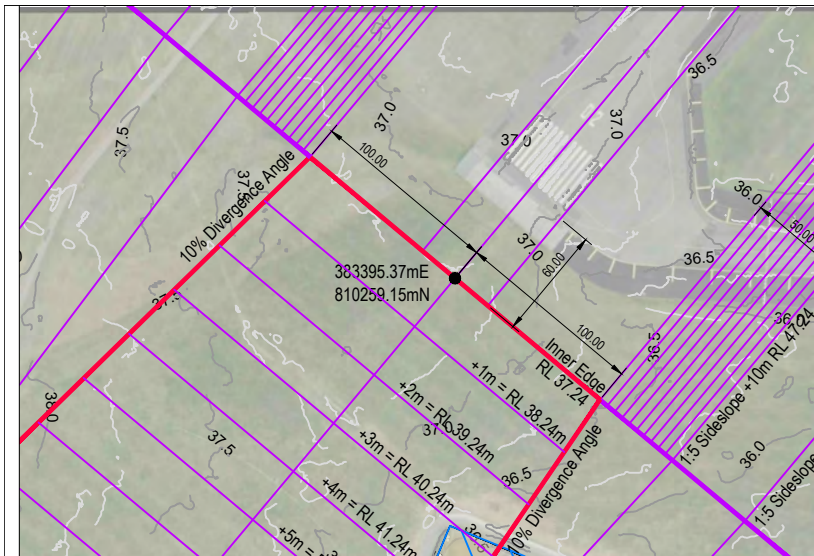
**DRAWING TITLE**

GARDEN CITY HELICOPTERS  
HEIGHT RESTRICTION PLAN

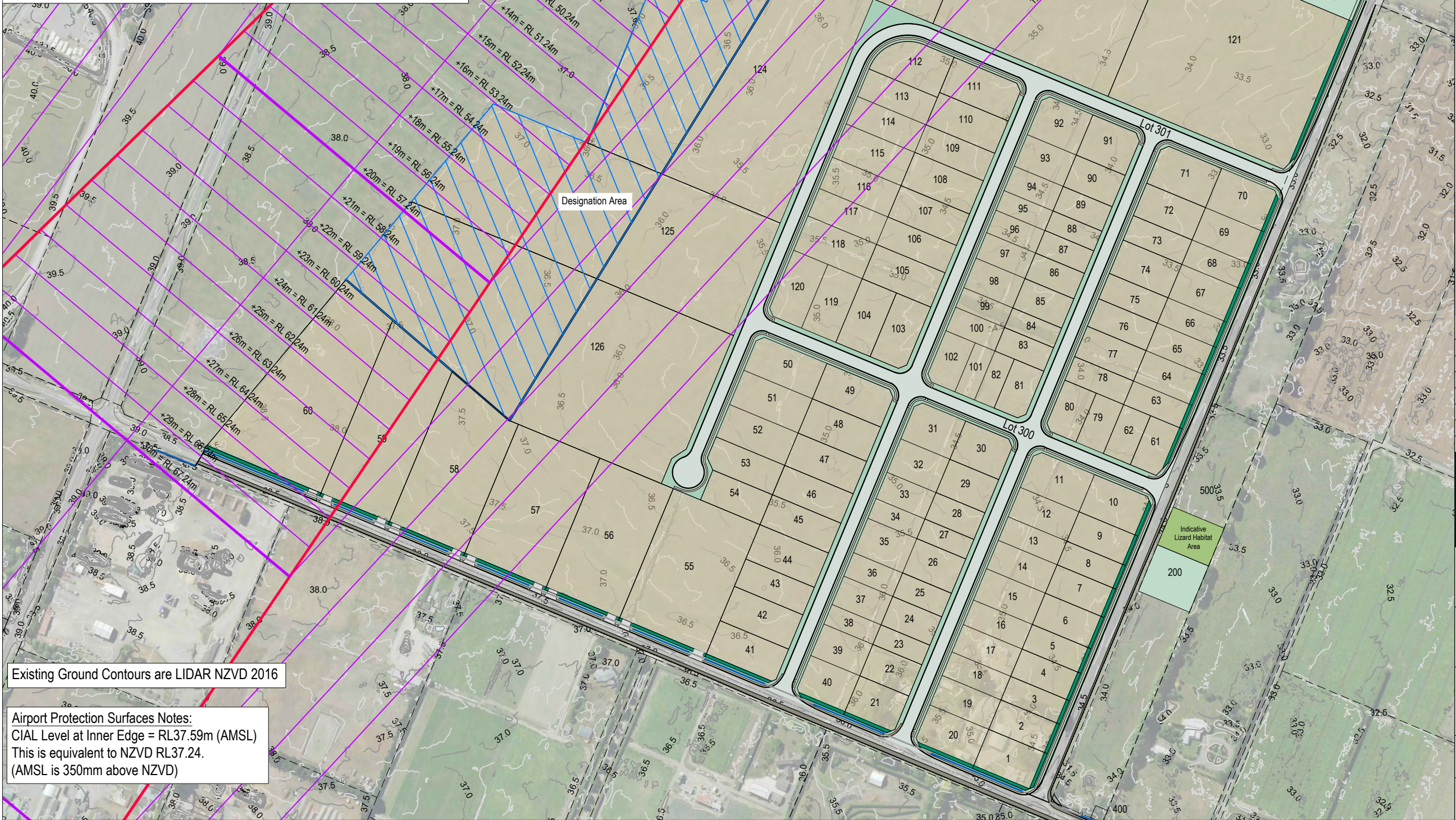
STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-PG135	B





INSET A



Airport Protection Surfaces Notes:  
CIAL Level at Inner Edge = RL37.59m (AMSL)  
This is equivalent to NZVD RL37.24.  
(AMSL is 350mm above NZVD)

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- NOTES :**
1. SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.
  2. ICAO OLS CRITICAL OBSTACLE FREE SURFACES (OFS) SHOWN ARE BASED ON AMENDMENT 18 TO ANNEX 14 - AERODROMES VOLUME 1 - AERODROME DESIGN AND OPERATIONS.
  3. INNER APPROACH, INNER TRANSITIONAL AND BULKED LANDING OFS NOT SHOWN AS ARE LESS CRITICAL OVER THE SITE THAN THE LIMITS DEPICTED HERE.
  4. FOR CRITICAL OBSTACLE EVALUATION SURFACES SEE DRG. RC-PG142.

REV	DATE	REVISION DETAILS	ISSUED
A	13/11/25	FOR APPROVAL	TL

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PROJECT

104 RYANS ROAD, HAREWOOD

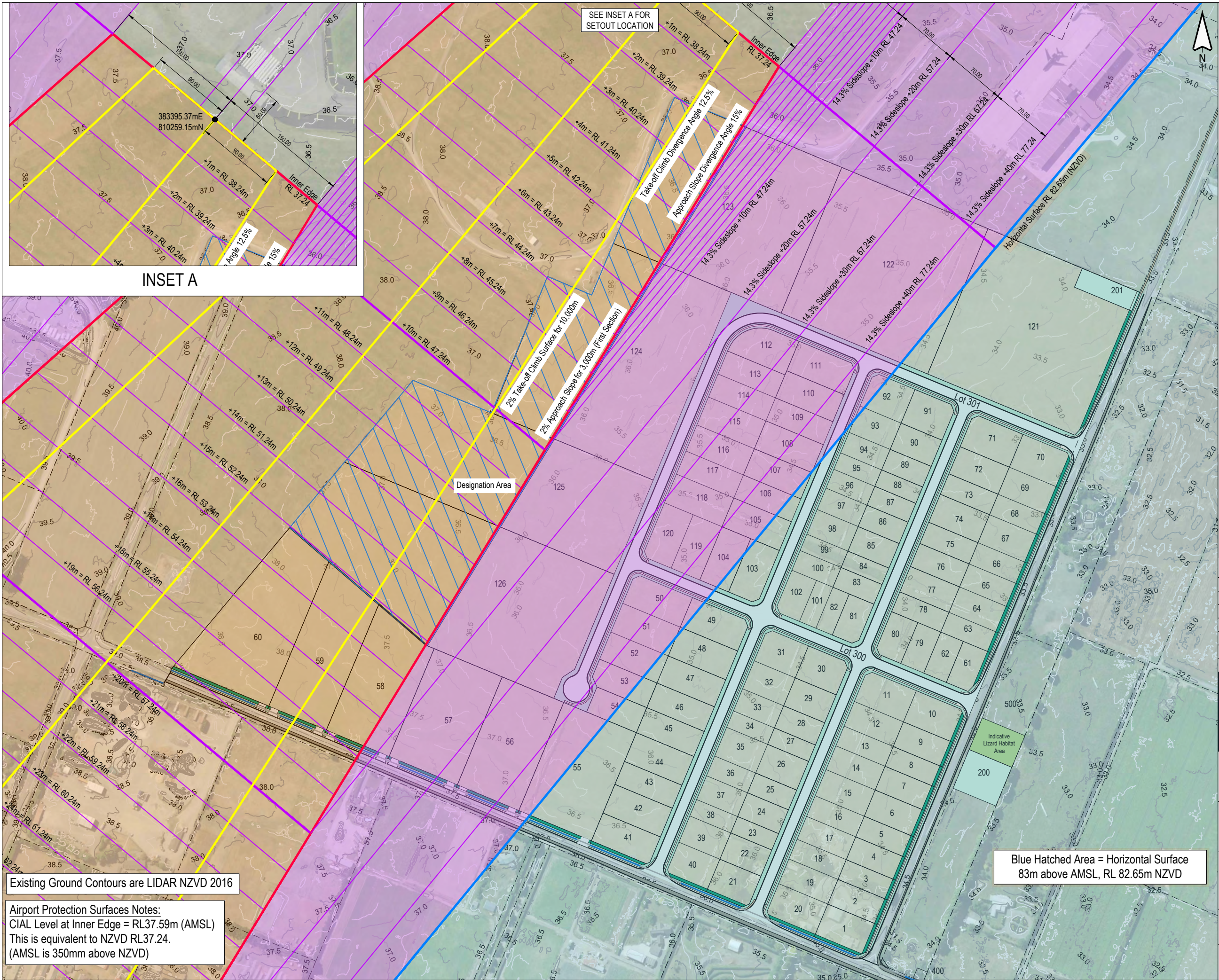
DRAWING TITLE

FUTURE ICAO OLS -  
APPROACH & TRANSITIONAL  
OBSTACLE FREE SURFACES

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-PG140	A





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**NOTES :**

- SCHEME PLAN ONLY, AREAS & DIMENSIONS ARE APPROXIMATE & SUBJECT TO FINAL SURVEY.
- ICAO OLS CRITICAL OBSTACLE EVALUATION SURFACES (OES) SHOWN ARE BASED ON AMENDMENT 18 TO ANNEX 14 - AERODROMES VOLUME 1 - AERODROME DESIGN AND OPERATIONS.
- HORIZONTAL SURFACE RADIUS 3,350m HEIGHT 45m FOR ADG I - IIA.
- RUNWAY 20 PRECISION APPROACH MISSED APPROACH COMPONENT AND THE RUNWAY 02, RUNWAY 11 AND RUNWAY 29 SURFACE FOR STRAIGHT-IN INSTRUMENT APPROACHES HAVE BEEN CONSIDERED AND ARE HIGHER THAN THE CRITICAL OES SHOWN OVER THE SITE.

**LEGEND :**

- HORIZONTAL SURFACE
- SURFACE FOR PRECISION APPROACH APPROACH COMPONENT
- SURFACE FOR PRECISION APPROACH TRANSITIONAL COMPONENT
- TAKE-OFF CLIMB SURFACE WITHIN APPROACH SURFACE

REV	DATE	REVISION DETAILS	ISSUED
A	13/11/25	FOR APPROVAL	TL
B	19/11/25	MINOR REVISIONS	TL

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CARTER GROUP LIMITED

**PROJECT**  
104 RYANS ROAD, HAREWOOD

**DRAWING TITLE**  
FUTURE ICAO OLS - CRITICAL OBSTACLE EVALUATION SURFACES

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-PG142	B









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Notes:

1. Levels are in terms of NZVD2016.
2. Existing contours are based on topographical survey and lidar data.
3. Proposed contours are finished design surface.

Legend:

- Existing Contours (0.25m)
- Proposed Contours (0.25m)

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	12/08/25	MINOR REVISIONS	TL
C	06/11/25	SW RESERVE REVISED	TL



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CARTER GROUP LIMITED

PROJECT  
104 RYANS ROAD, HAREWOOD

DRAWING TITLE  
EXISTING & PROPOSED  
CONTOURS (SHEET 1 OF 2)

STATUS	SCALE	SIZE
FOR APPROVAL	1:1500	A3
PROJECT	DRAWING NO	REVISION
1252	RC-EW201	C





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Notes:

1. Levels are in terms of NZVD2016.
2. Existing contours are based on topographical survey and lidar data.
3. Proposed contours are finished design surface.

Legend:

- Existing Contours (0.25m)
- Proposed Contours (0.25m)

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	12/08/25	MINOR REVISIONS	TL

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CARTER GROUP LIMITED

PROJECT

104 RYANS ROAD, HAREWOOD

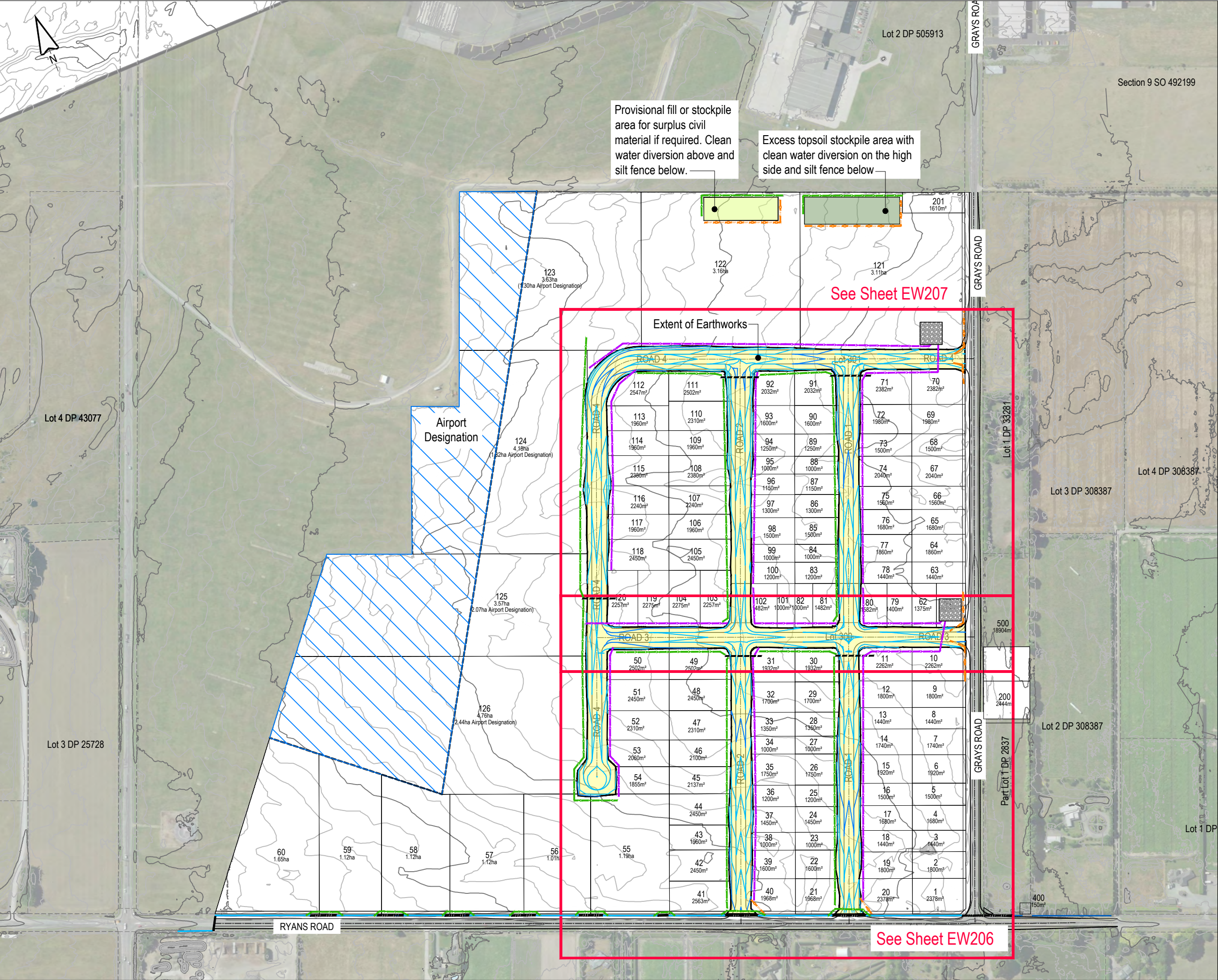
DRAWING TITLE

EXISTING & PROPOSED  
CONTOURS (SHEET 2 OF 2)

STATUS	SCALE	SIZE
FOR APPROVAL	1:1500	A3

PROJECT	DRAWING NO	REVISION
1252	RC-EW202	B





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**NOTES:**

1. TOPSOIL STOCKPILES ARE CONCEPTUAL ONLY.
2. EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED & INSPECTED BY THE ENGINEER AND/OR LOCAL AUTHORITY REPRESENTATIVE PRIOR TO COMMENCING EARTHWORKS.
3. ALL SURFACES SHALL BE STABILISED ONCE EARTHWORKS ARE COMPLETE.
4. ANY STOCKPILE OF MATERIAL ONSITE SHOULD BE COVERED OR STABILISED TO MINIMISE LOSSES AND SHALL NOT BE LOCATED IN OVERLAND FLOW PATHS OR SITE LOW POINTS.
5. ALL RUBBISH, VEGETATION, DEBRIS ETC SHOULD BE REMOVED FROM THE EARTHWORKS AREA AND REMOVED FROM THE SITE BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF TOPSOIL STRIPPING.
6. ALL EROSION AND SEDIMENT CONTROL MEASURES MUST BE OPERATIONAL PRIOR TO ANY OTHER WORK COMMENCING ON SITE. THE CONTRACTOR SHALL ARRANGE FOR AND ATTEND A PRELIMINARY SEDIMENT CONTROL MEETING ON-SITE WITH THE ENGINEER AND ECAN AND COUNCIL REPRESENTATIVES.
7. THE CONTRACTOR SHALL ENSURE COUNCIL BEST MANAGEMENT PRACTICES ARE IN PLACE DURING THE CONSTRUCTION PERIOD OF DEVELOPMENT, INCLUDING AT SITE ENTRANCES AND EXITS, TO CONTROL DUST, SILT, MUD AND DISCHARGE FROM SITE ENTERING A WATER BODY.
8. FURTHER SEDIMENT CONTROL MAYBE REQUIRED BY THE ENGINEER AS THE PROJECT ADVANCES. THESE WILL BE INSTALLED AS AND WHERE DIRECTED BY THE ENGINEER. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE SITE HAS EFFECTIVE SILT DETENTION FACILITIES OPERATING AT ALL TIMES.
9. ALL SEDIMENT AND EROSION CONTROL FEATURES SHALL BE IN ACCORDANCE WITH ENVIRONMENT CANTERBURY'S EROSION AND SEDIMENT CONTROL TOOLBOX.

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	12/08/25	MINOR REVISIONS	TL
C	06/11/25	SW RESERVES REVISED	TL

**CLIENT**

CARTER GROUP LIMITED

**PROJECT**

104 RYANS ROAD, HAREWOOD

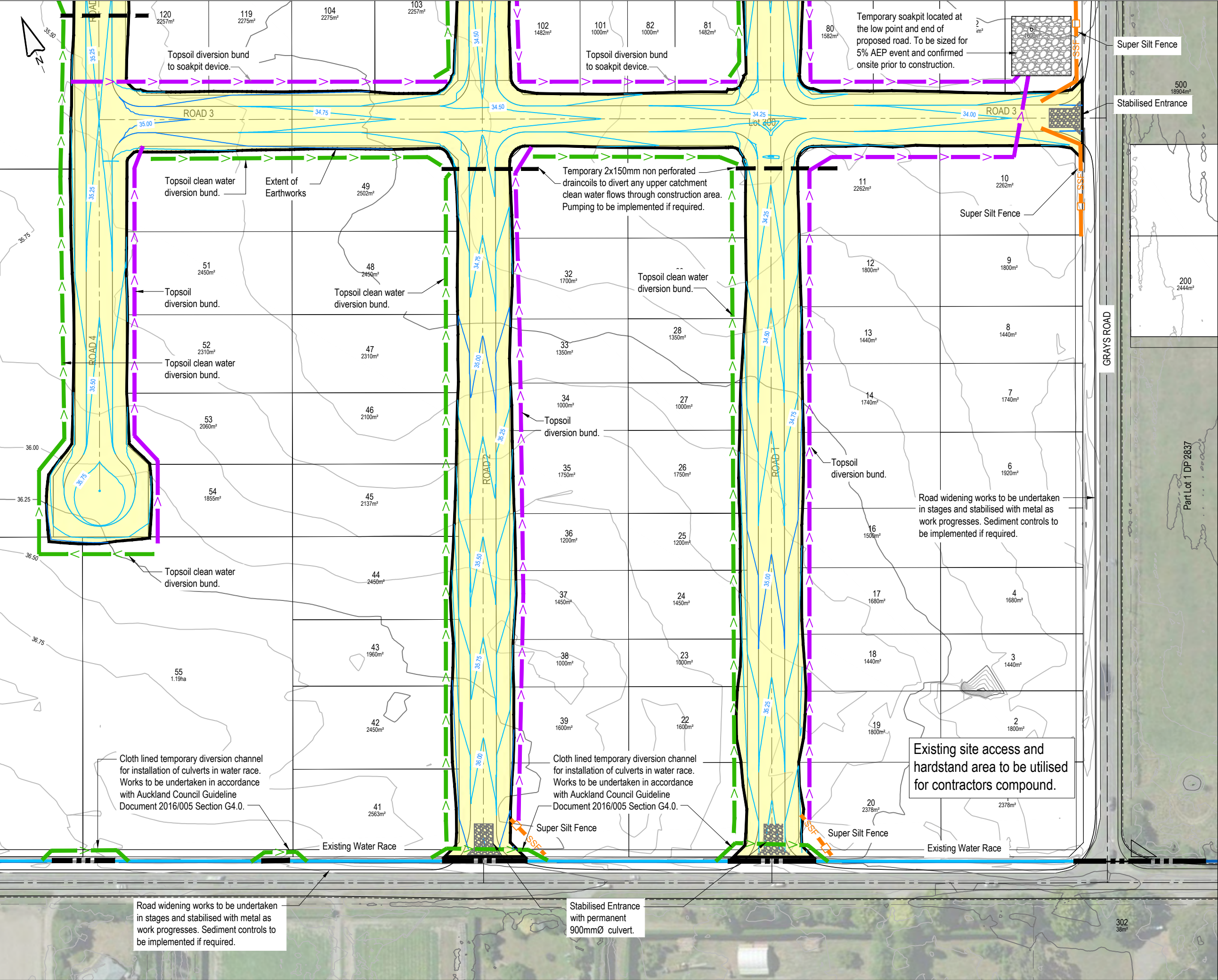
**DRAWING TITLE**

EROSION & SEDIMENT CONTROL PLAN - OVERALL

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-EW205	C





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**NOTES:**

1. SEE SHEET EW205 FOR EROSION AND SEDIMENT CONTROL NOTES.

**LEGEND:**

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EARTHWORKS CATCHMENT
- CLEANWATER DIVERSION
- SSF SUPER SILT FENCE
- RUNOFF DIVERSION

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	24/07/25	MINOR REVISION	TL
C	12/08/25	MINOR REVISIONS	TL
D	06/11/25	SW RESERVES REVISED	TL

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Land Development Consultants

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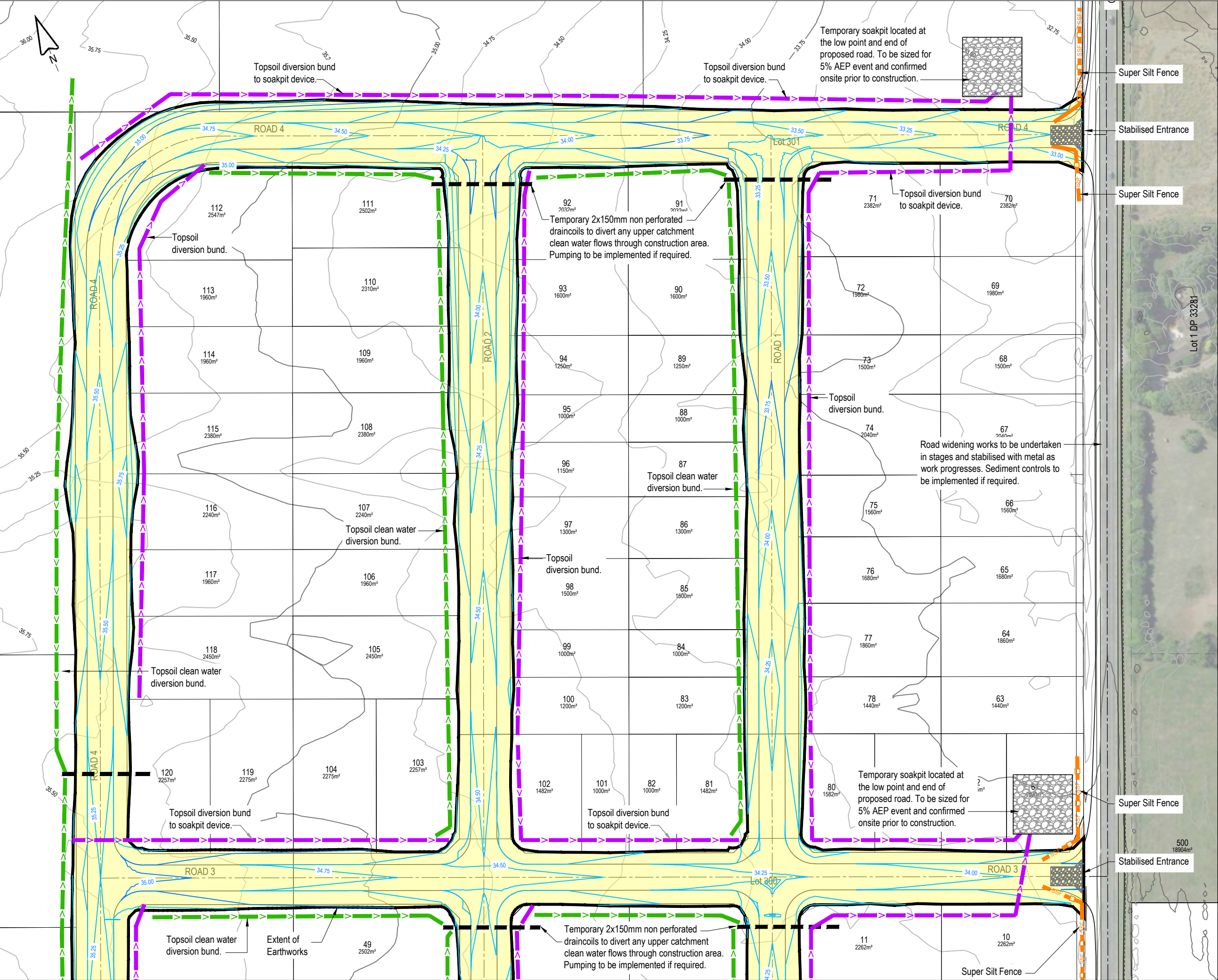
**PROJECT**  
104 RYANS ROAD, HAREWOOD

**DRAWING TITLE**  
EROSION & SEDIMENT CONTROL PLAN (SHEET 1 OF 2)

STATUS	SCALE	SIZE
FOR APPROVAL	1:1500	A3

PROJECT	DRAWING NO	REVISION
1252	RC-EW206	D





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**NOTES:**  
1. SEE SHEET EW205 FOR EROSION AND SEDIMENT CONTROL NOTES.

**LEGEND:**

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EARTHWORKS CATCHMENT
- CLEANWATER DIVERSION
- SSF SUPER SILT FENCE
- RUNOFF DIVERSION

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	12/08/25	MINOR REVISIONS	TL

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PROJECT

104 RYANS ROAD, HAREWOOD

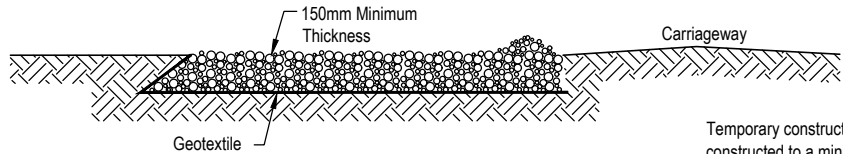
DRAWING TITLE

EROSION & SEDIMENT CONTROL PLAN (SHEET 2 OF 2)

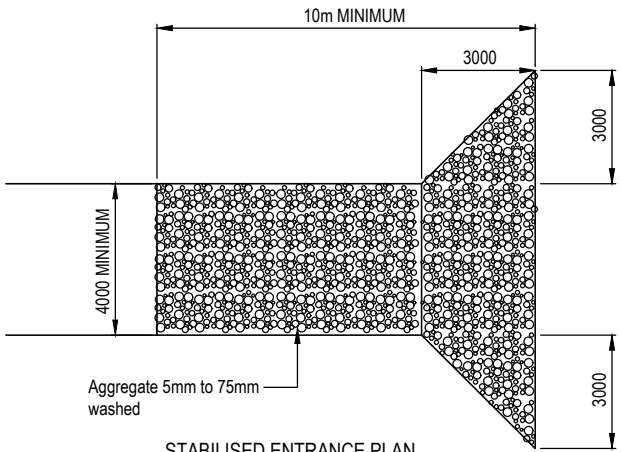
STATUS	SCALE	SIZE
FOR APPROVAL	1:1500	A3

PROJECT	DRAWING NO	REVISION
1252	RC-EW207	B





**STABILISED ENTRANCE SECTION**  
Scale 1:200 (A3)

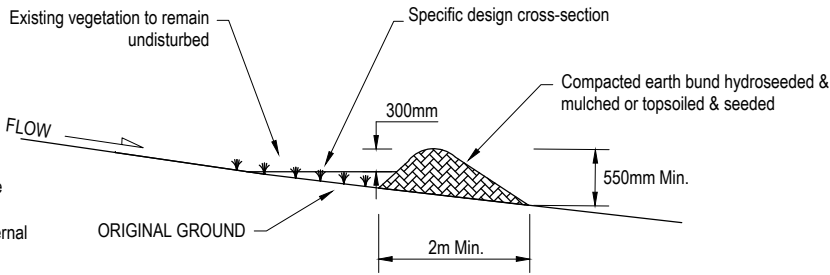


**STABILISED ENTRANCE PLAN**  
Scale 1:200 (A3)

Temporary construction site entry/exit pad constructed to a minimum of 10m of aggregate placed 4m wide and 150mm deep as per the Erosion & Sediment Control Toolbox for Canterbury. Existing road surfaces are to be kept clean throughout the project with daily monitoring and maintenance as required. Contractor to confirm at pre-start meeting where main site entry will be located.

**CLEAN WATER DIVERSION:**

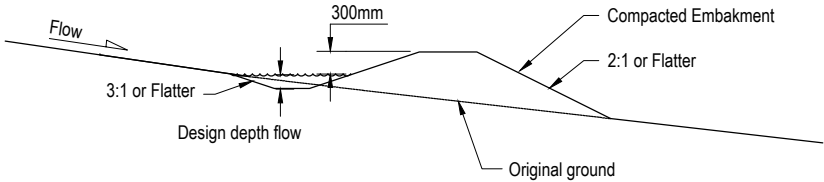
- The diversion channels should be parabolic or trapezoidal in shape
- Ensure internal sides of the bund are no steeper than 3:1, and external sides no steeper than 2:1, as outlined below



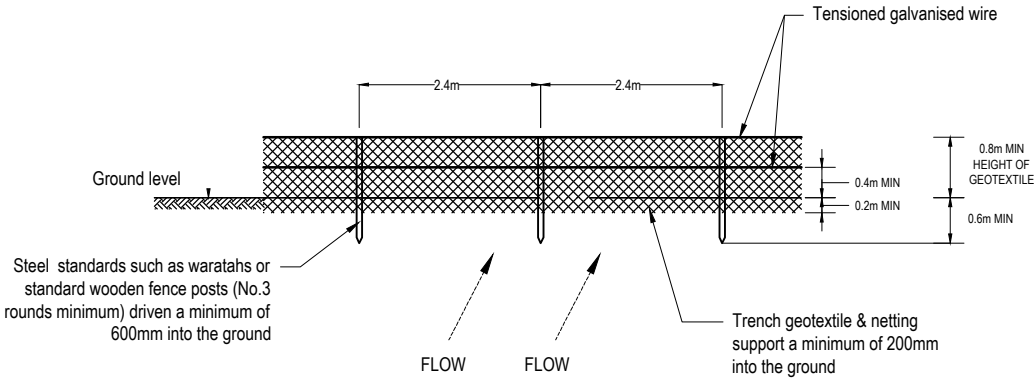
**CLEAN WATER DIVERSION CROSS-SECTION**  
SCALE: 1:50 AT A3

**DIRTY WATER DIVERSION:**

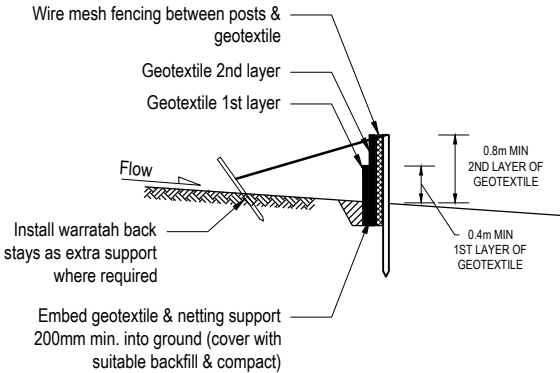
- Drains which can be lined with an erosion-resistant material such as needle-punched fabric
- A combination bank or bund with excavated up-slope channel
- An earthen bank, which is often made from compacted soil.



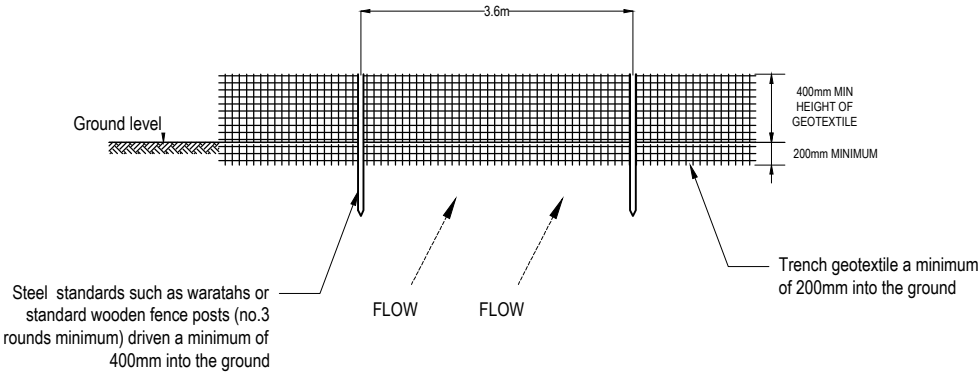
**RUNOFF DIVERSION BUND CROSS-SECTION**  
SCALE: 1:50 AT A3



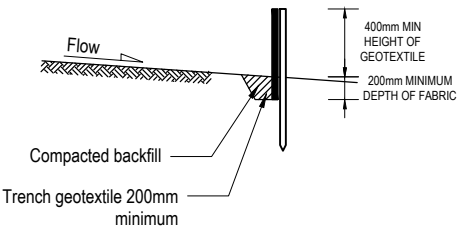
**SUPER SILT FENCE ELEVATION**  
SCALE: 1:75 AT A3



**SUPER SILT FENCE CROSS-SECTION**  
SCALE: 1:75 AT A3



**SILT FENCE ELEVATION**  
SCALE: 1:75 AT A3



**SILT FENCE CROSS-SECTION**  
SCALE: 1:75 AT A3

Super silt fence design criteria			
Slope steepness %	Slope length (m) (maximum)	Spacing of returns (m)	Super silt fence length (m) (maximum)
0-10%	unlimited	60	Unlimited
10-20%	60	50	450
20-33%	30	40	300
33-50%	30	30	150
>50%	15	20	75

Silt fence design criteria			
Slope steepness %	Slope length (m) (maximum)	Spacing of returns (m)	Super silt fence length (m) (maximum)
Flatter than 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

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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL



**CLIENT**  
CARTER GROUP LIMITED

**PROJECT**  
104 RYANS ROAD, HAREWOOD

**DRAWING TITLE**  
EROSION & SEDIMENT CONTROL DETAILS

**STATUS** FOR APPROVAL  
**SCALE** AS SHOWN  
**SIZE** A3

**PROJECT** 1252  
**DRAWING NO** RC-EW210  
**REVISION** A



### TOTAL EARTHWORKS

AREA OF EARTHWORKS = 6.12ha  
VOLUME OF TOPSOIL = 18,360m<sup>3</sup>  
(300mm TOPSOIL ASSUMED)  
CUT VOLUME - BULK EARTHWORKS = 7,680m<sup>3</sup>  
CUT VOLUME - SERVICE TRENCHES = 2,500m<sup>3</sup> (APPROX. ONLY)  
FILL VOLUME - BULK EARTHWORKS = 8,930m<sup>3</sup>  
(10% COMPACTION ASSUMED)  
BALANCE = 1,250m<sup>3</sup> CUT TO STOCKPILE (APPROX. ONLY)

### Surface Analysis: Elevation Ranges

Number	Color	Minimum Elevation (m)	Maximum Elevation (m)	2D Area (m <sup>2</sup> )	Volume (m <sup>3</sup> )
1	Orange	-0.500	0.000	31821.4	7677.8
2	Green	0.000	0.500	29414.5	8112.8

### STAGE 1 EARTHWORKS

AREA OF EARTHWORKS = 2.49ha  
VOLUME OF TOPSOIL = 7,470m<sup>3</sup>  
(300mm TOPSOIL ASSUMED)  
CUT VOLUME - BULK EARTHWORKS = 3,225m<sup>3</sup>  
CUT VOLUME - SERVICE TRENCHES = 1,250m<sup>3</sup> (APPROX. ONLY)  
FILL VOLUME - BULK EARTHWORKS = 3,278m<sup>3</sup>  
(10% COMPACTION ASSUMED)  
BALANCE = 1,197m<sup>3</sup> CUT TO STOCKPILE (APPROX. ONLY)

### STAGE 2 EARTHWORKS

AREA OF EARTHWORKS = 3.63ha  
VOLUME OF TOPSOIL = 10,890m<sup>3</sup>  
(300mm TOPSOIL ASSUMED)  
CUT VOLUME - BULK EARTHWORKS = 4,455m<sup>3</sup>  
CUT VOLUME - SERVICE TRENCHES = 1,250m<sup>3</sup> (APPROX. ONLY)  
FILL VOLUME - BULK EARTHWORKS = 5,652m<sup>3</sup>  
(10% COMPACTION ASSUMED)  
BALANCE = 53m<sup>3</sup> CUT TO STOCKPILE (APPROX. ONLY)

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### Notes:

- Earthwork contours shown depict the cut and fill depth between existing ground surface and the final finished ground surface.

### Legend:

- Existing Contours (0.25m)
- Area of Cut
- Area of Fill

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	12/08/25	MINOR REVISIONS	TL
C	06/11/25	SW RESERVES REVISED	TL
D	20/11/25	MINOR REVISION	TL



CLIENT CARTER GROUP LIMITED			
PROJECT 104 RYANS ROAD, HAREWOOD			
DRAWING TITLE PROPOSED CUT & FILL ELEVATIONS			
STATUS FOR APPROVAL	SCALE 1:4000	SIZE A3	
PROJECT 1252	DRAWING NO RC-EW220	REVISION D	



Development Site Areas  
Proposed Internal Roads: Area = 29,680m<sup>2</sup>  
Proposed Internal Footpaths: Area = 3,900m<sup>2</sup>  
Proposed Internal Berms: Area = 21,220m<sup>2</sup>  
Proposed Internal Total Road Reserve: Area = 54,800m<sup>2</sup>

Proposed Road Widening Works to Existing Roads  
Proposed Road Widen Pavement: Area = 3,320m<sup>2</sup>  
Proposed Footpaths to Existing Roads: Area = 2,234m<sup>2</sup>

Extend 1.5m wide footpath to join existing footpath in George Bellew Road.

GEORGE BELLEW ROAD

Lot 2 DP 505913

GRAYS ROAD

DETAIL A

See Sheet RD306

See Sheet RD303

See Sheet RD305

See Sheet RD302

See Sheet RD307

Airport Designation

Possible future land take for proposed roundabout

Two vehicle crossings per lot for lots 55-59 and one for Lot 60. Locations are indicative only. See Sheet RD330 for details.

See Sheet RD304

See Sheet RD301

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NOTES:

1. ALL WORKS ARE TO BE IN TERMS OF CCC AND CCC CSS WHERE APPLICABLE

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	24/07/25	REVISIONS	TL
C	08/08/25	GENERAL REVISIONS	TL
D	06/11/25	SW RESERVES REVISED	TL



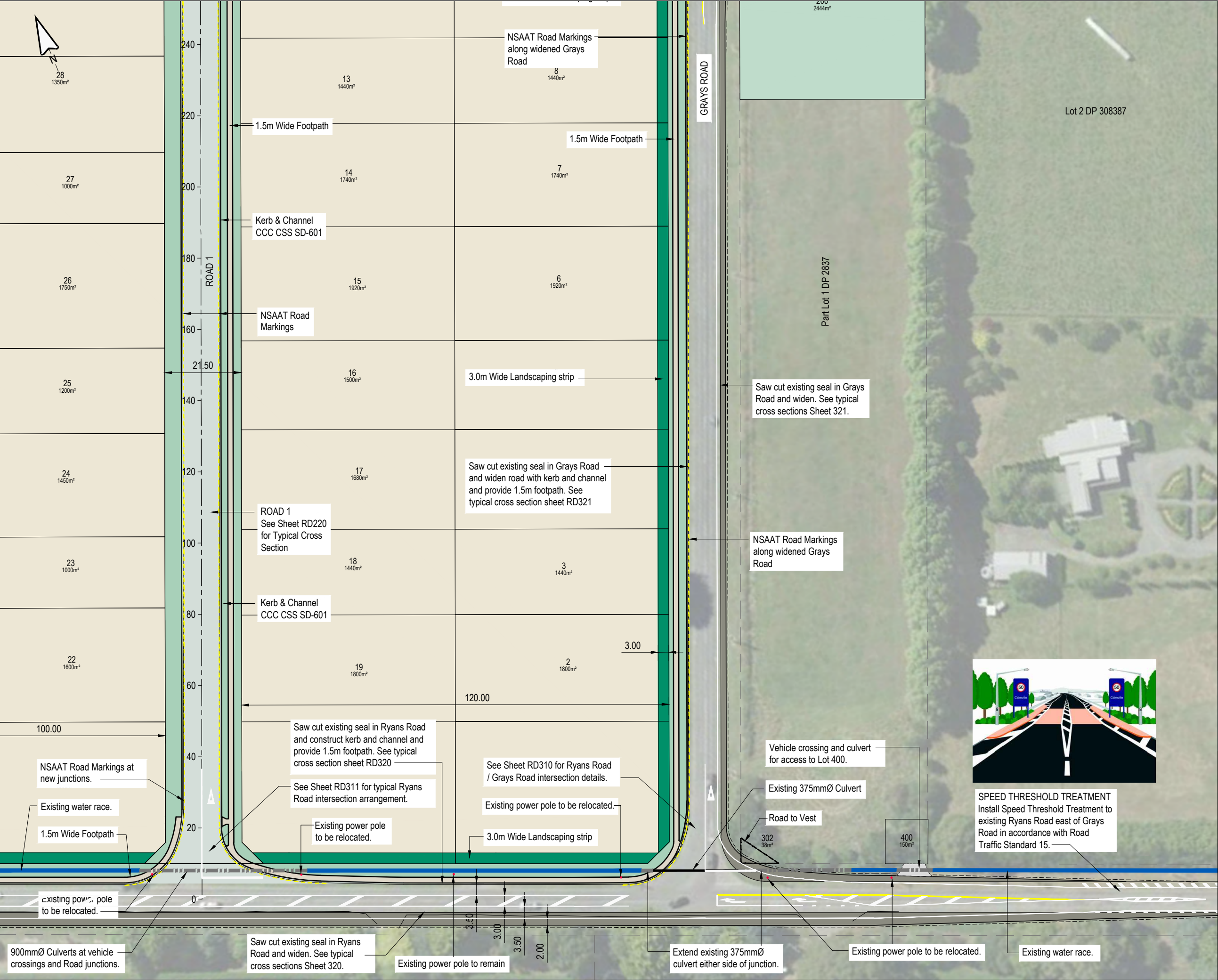
CLIENT  
CARTER GROUP LIMITED

PROJECT  
104 RYANS ROAD, HAREWOOD

DRAWING TITLE  
ROAD LAYOUT PLAN (OVERALL)

STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3
PROJECT	DRAWING NO	REVISION
1252	RC-RD300	D





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**NOTES:**

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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	06/03/25	AMENDMENTS	TL
C	24/07/25	REVISIONS	TL
D	08/08/25	GENERAL REVISIONS	TL
E	06/11/25	SW RESERVES REVISED	TL

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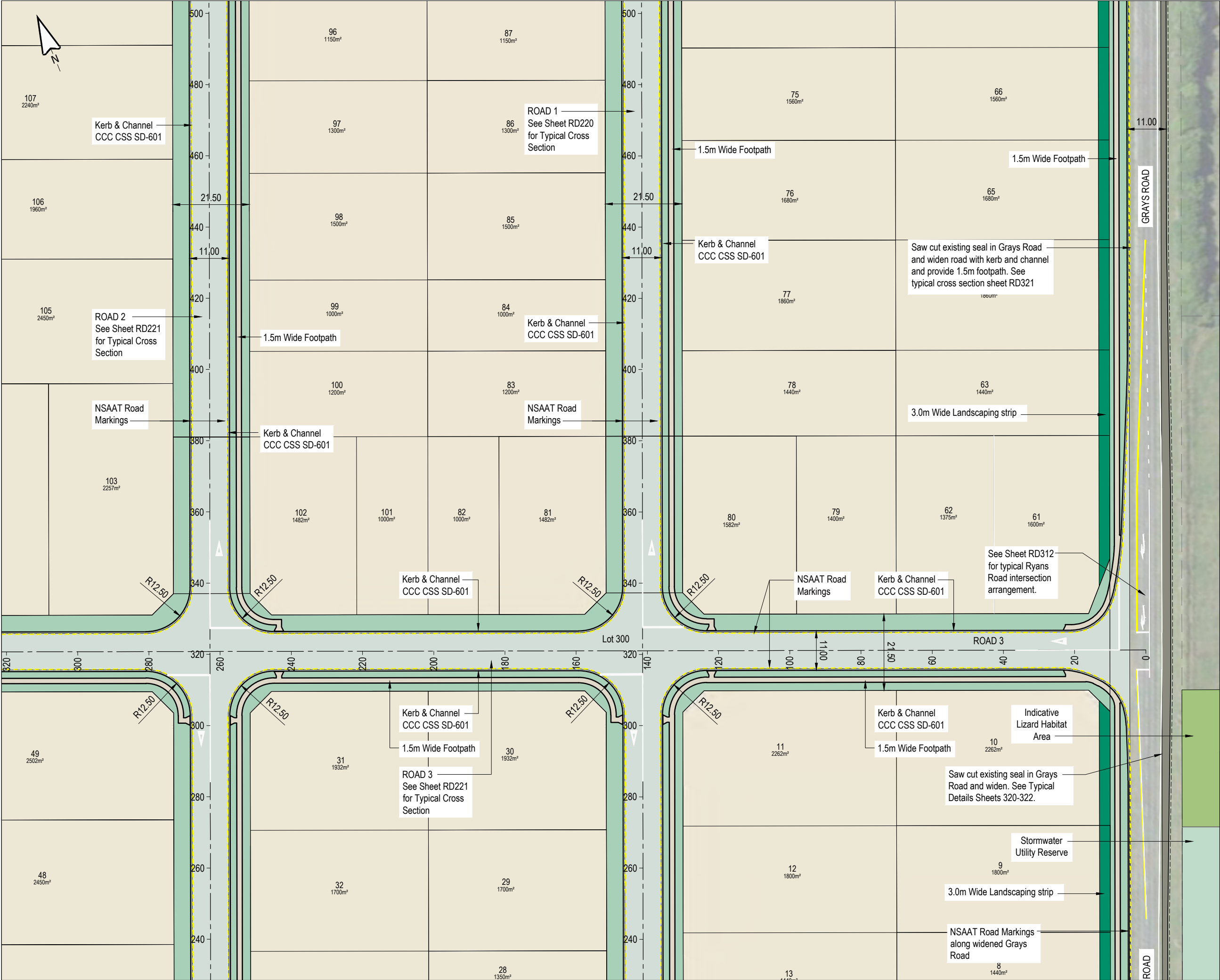
PROJECT  
**104 RYANS ROAD, HAREWOOD**

DRAWING TITLE  
**ROAD LAYOUT PLAN  
(SHEET 1 OF 7)**

STATUS	SCALE	SIZE
FOR APPROVAL	1:1000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-RD301	E





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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	08/08/25	GENERAL REVISIONS	TL

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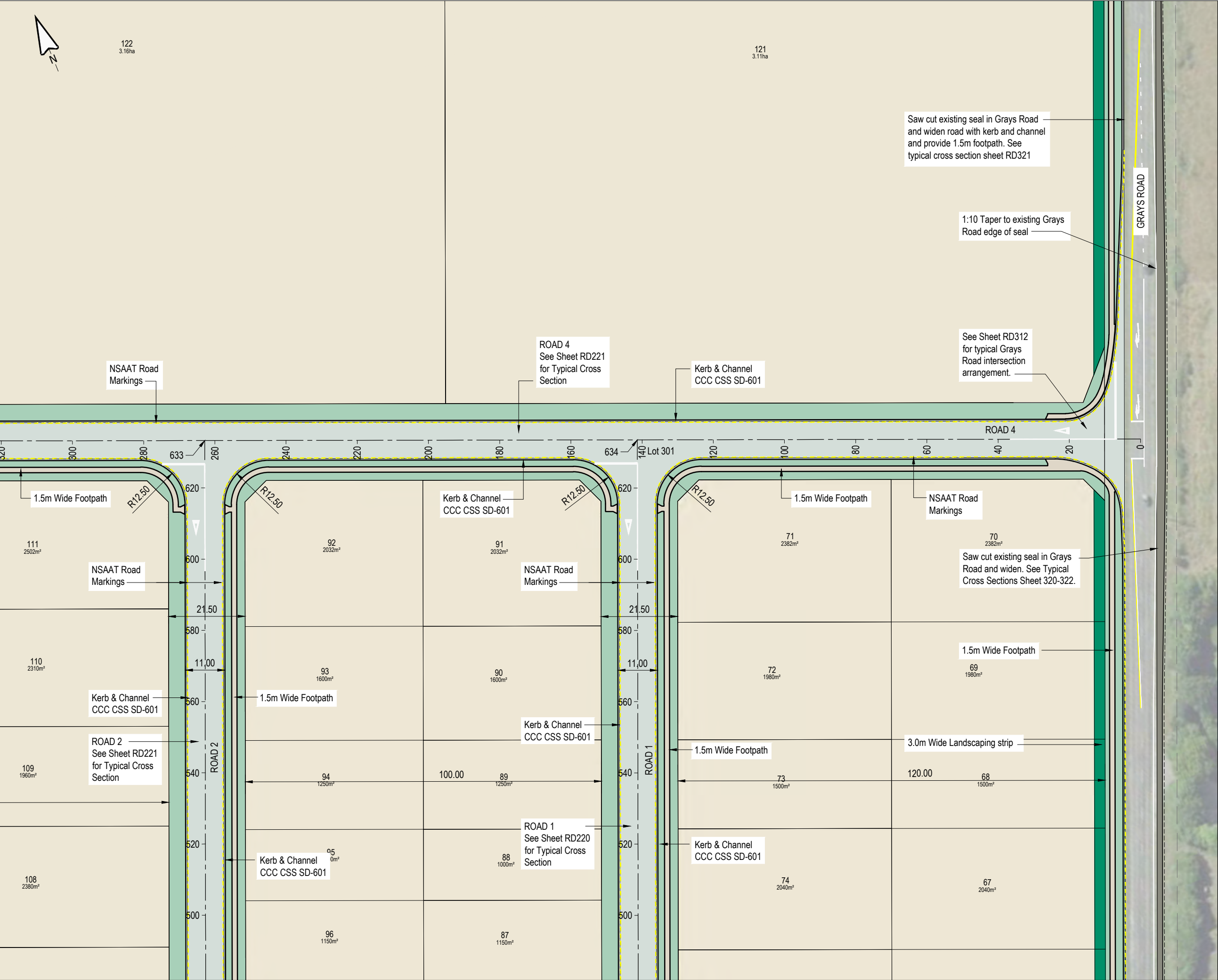
**PROJECT**  
104 RYANS ROAD, HAREWOOD

**DRAWING TITLE**  
ROAD LAYOUT PLAN  
(SHEET 2 OF 7)

STATUS	SCALE	SIZE
FOR APPROVAL	1:1000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-RD302	B





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**NOTES:**

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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	08/08/25	GENERAL REVISIONS	TL

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PROJECT

104 RYANS ROAD, HAREWOOD

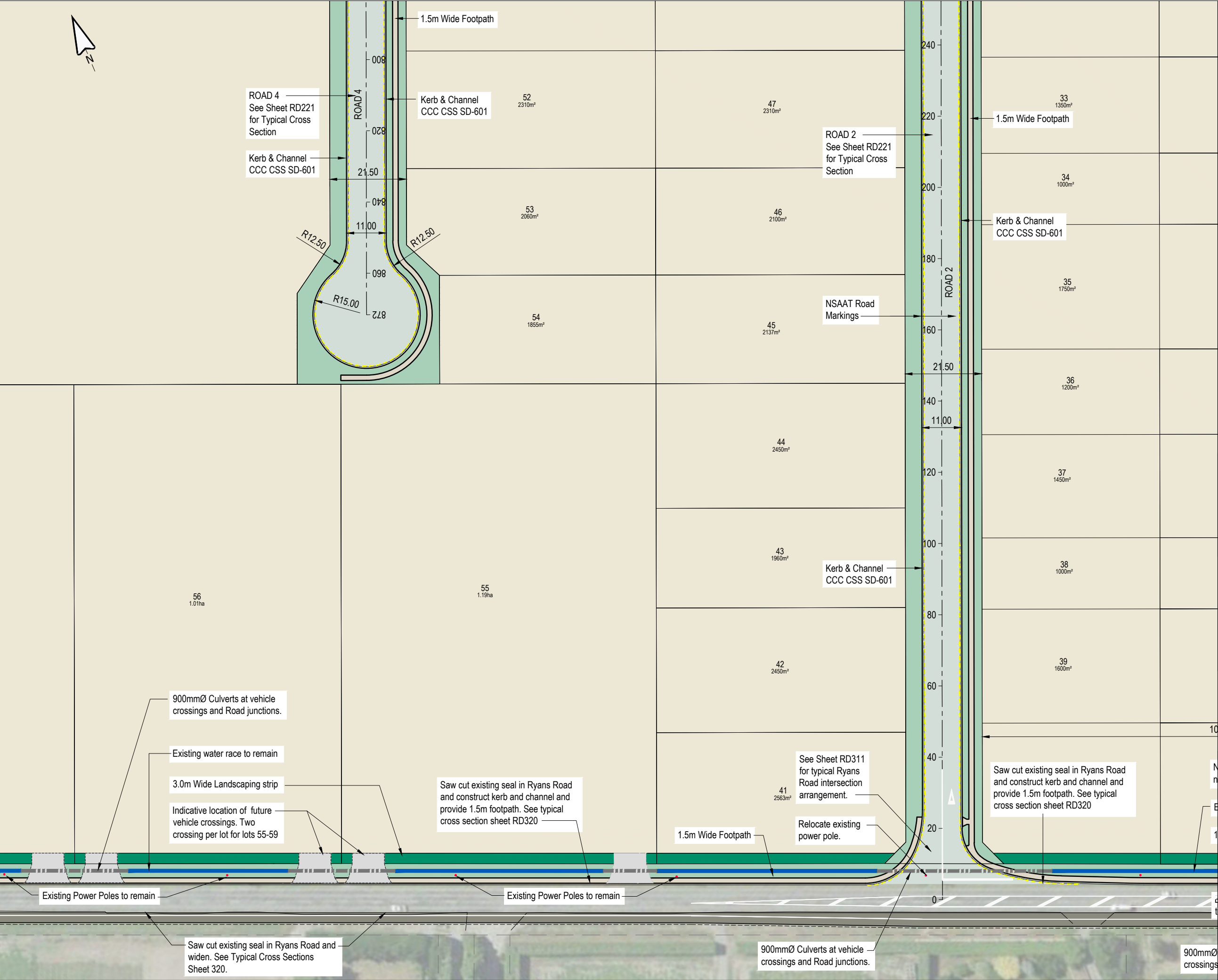
DRAWING TITLE

ROAD LAYOUT PLAN  
(SHEET 3 OF 7)

STATUS	SCALE	SIZE
FOR APPROVAL	1:1000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-RD303	B





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**NOTES:**

1. ALL WORKS ARE TO BE IN TERMS OF CCC AND CCC CSS WHERE APPLICABLE

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	06/03/25	AMENDMENTS	TL
C	24/07/25	REVISIONS	TL
D	08/08/25	GENERAL REVISIONS	TL

**CLIENT**

CARTER GROUP LIMITED

**PROJECT**

104 RYANS ROAD, HAREWOOD

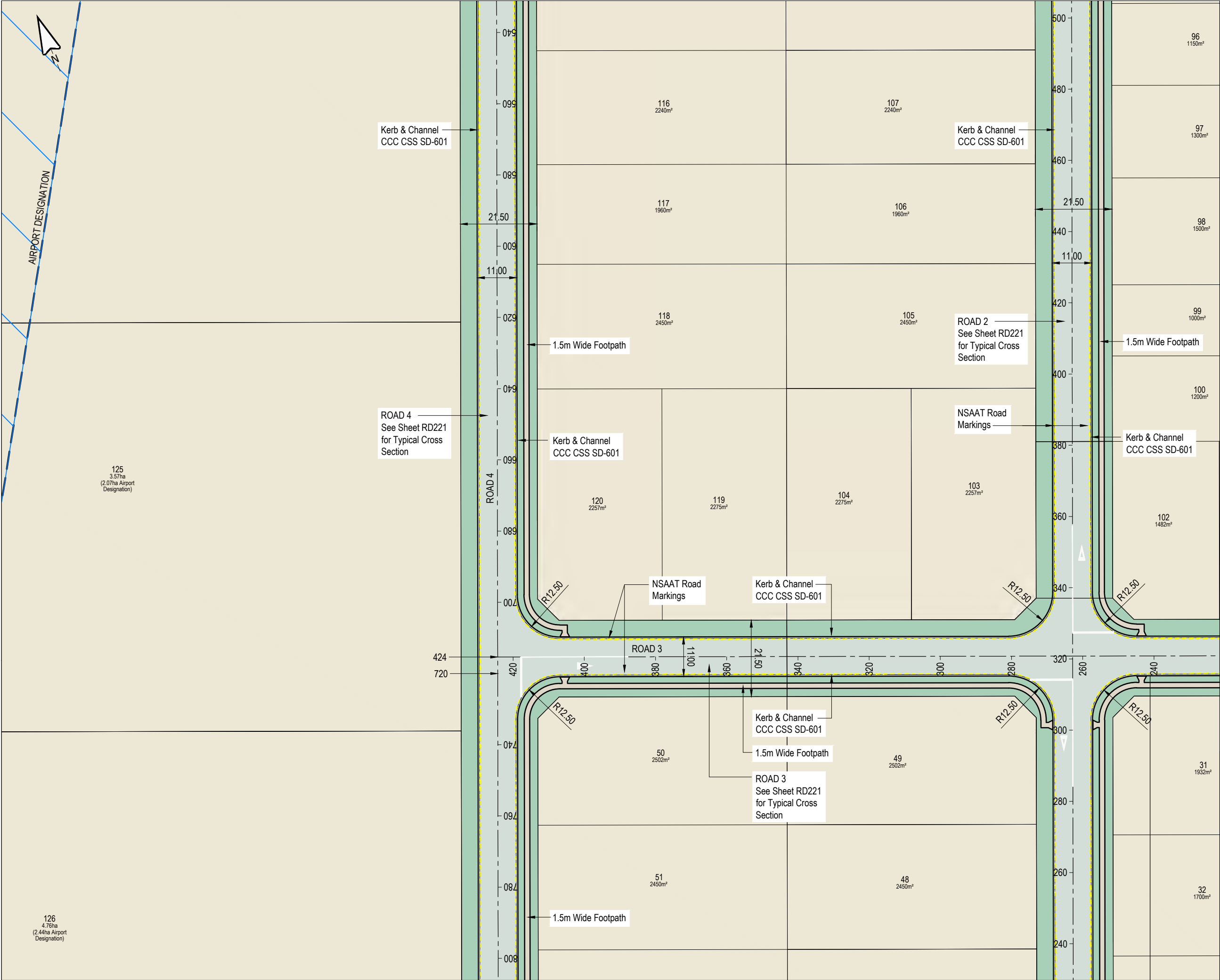
**DRAWING TITLE**

ROAD LAYOUT PLAN  
(SHEET 4 OF 7)

STATUS	SCALE	SIZE
FOR APPROVAL	1:1000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-RD304	D





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**NOTES:**

- ALL WORKS ARE TO BE IN TERMS OF CCC AND CCC CSS WHERE APPLICABLE

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL

**CAPTURE**  
Land Development Consultants

<b>CLIENT</b> CARTER GROUP LIMITED		
<b>PROJECT</b> 104 RYANS ROAD, HAREWOOD		
<b>DRAWING TITLE</b> ROAD LAYOUT PLAN (SHEET 5 OF 7)		
<b>STATUS</b> FOR APPROVAL	<b>SCALE</b> 1:1000	<b>SIZE</b> A3
<b>PROJECT</b> 1252	<b>DRAWING NO</b> RC-RD305	<b>REVISION</b> A





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**NOTES:**

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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL

**CAPTURE**  
Land Development Consultants

**CLIENT**  
CARTER GROUP LIMITED

**PROJECT**  
104 RYANS ROAD, HAREWOOD

**DRAWING TITLE**  
ROAD LAYOUT PLAN  
(SHEET 6 OF 7)

STATUS	SCALE	SIZE
FOR APPROVAL	1:1000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-RD306	A






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**NOTES:**

1. ALL WORKS ARE TO BE IN TERMS OF CCC AND CCC CSS WHERE APPLICABLE

REV	DATE	REVISION DETAILS	ISSUED
A	08/08/25	FOR INFO	TL



**CLIENT**

CARTER GROUP LIMITED

**PROJECT**

104 RYANS ROAD, HAREWOOD

**DRAWING TITLE**

ROAD LAYOUT PLAN  
(SHEET 7 OF 7)

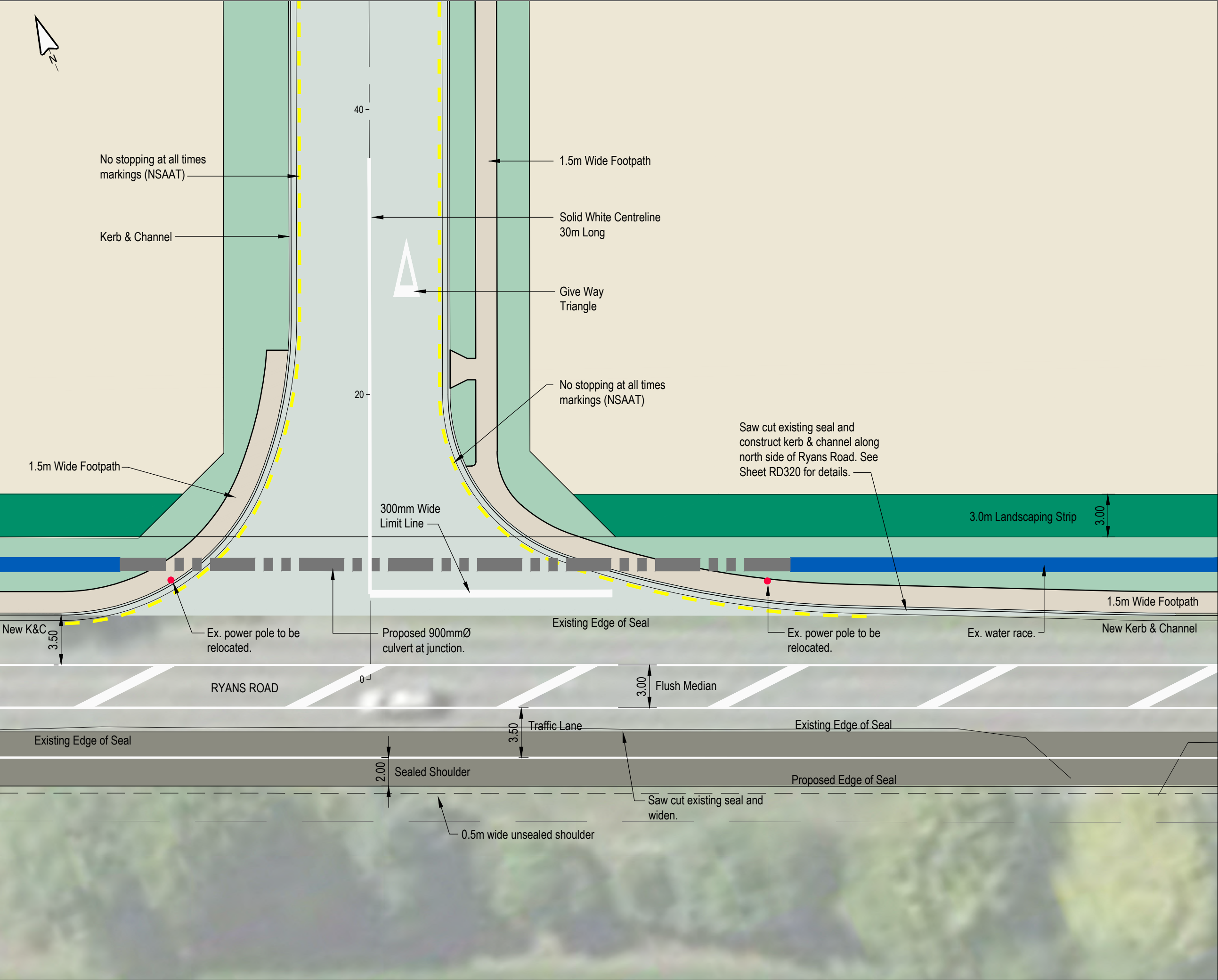
STATUS	SCALE	SIZE
FOR APPROVAL	1:1000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-RD307	A









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**NOTES:**

- ALL WORKS ARE TO BE IN TERMS OF CCC AND CCC CSS WHERE APPLICABLE

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	24/07/25	REVISIONS	TL
C	11/09/25	MINOR REVISIONS	TL
D	20/11/25	MINOR REVISION	TL

**CAPTURE**  
Land Development Consultants

**CLIENT**  
CARTER GROUP LIMITED

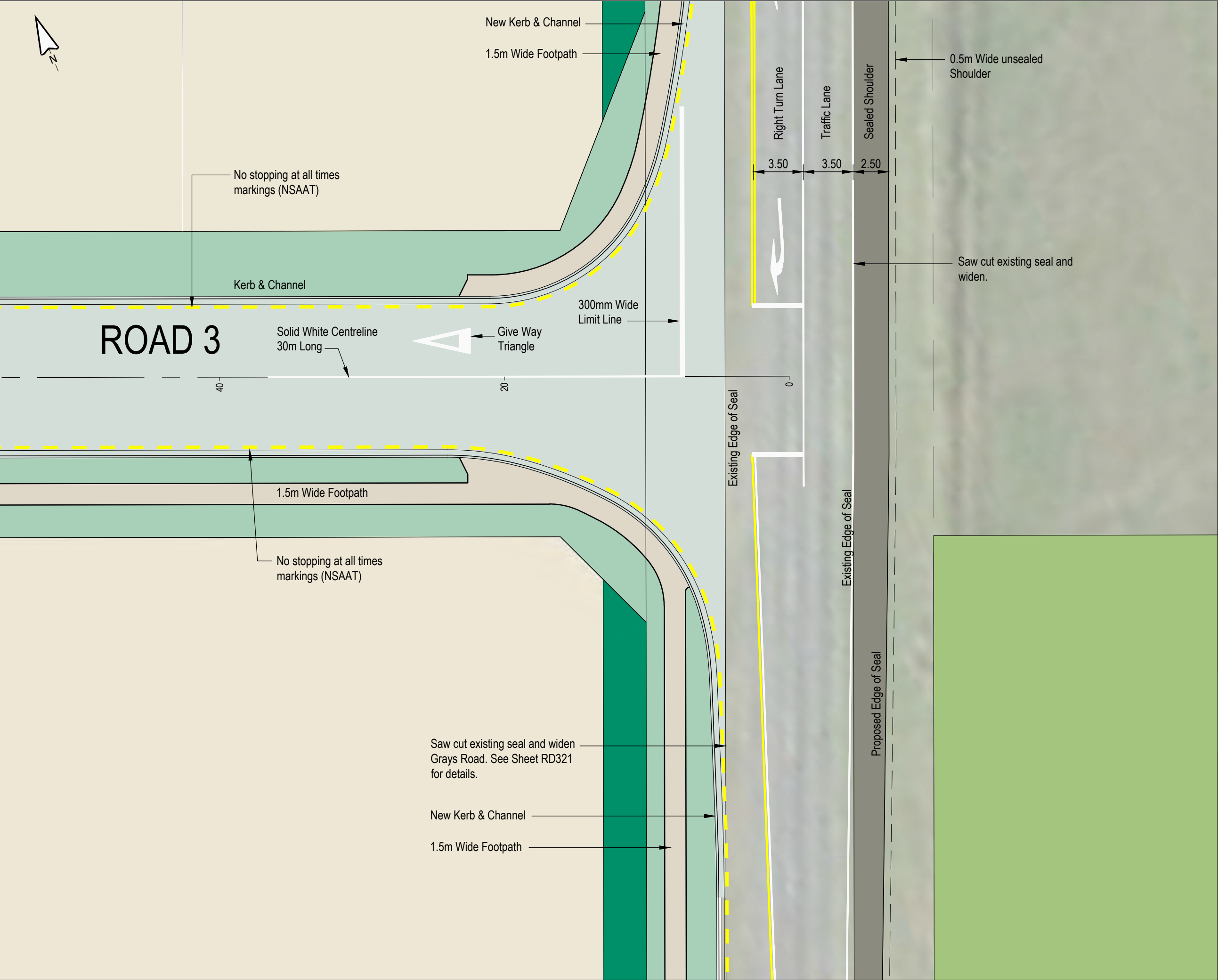
**PROJECT**  
104 RYANS ROAD, HAREWOOD

**DRAWING TITLE**  
TYPICAL RYANS ROAD INTERSECTION

STATUS	SCALE	SIZE
FOR APPROVAL	1:250	A3

PROJECT	DRAWING NO	REVISION
1252	RC-RD311	D





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**NOTES:**

- ALL WORKS ARE TO BE IN TERMS OF CCC AND CCC CSS WHERE APPLICABLE

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	11/08/25	GENERAL REVISIONS	TL

**CAPTURE**  
Land Development Consultants

*CLIENT*

**CARTER GROUP LIMITED**

*PROJECT*

**104 RYANS ROAD, HAREWOOD**

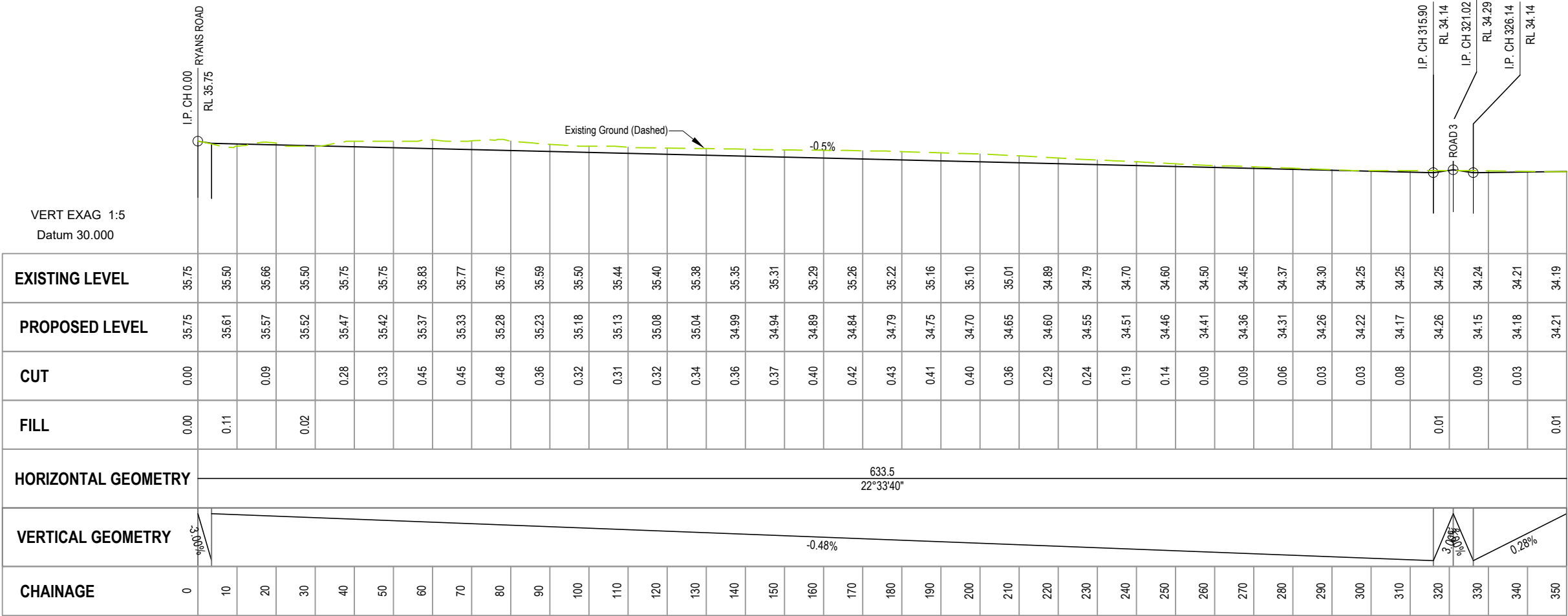
*DRAWING TITLE*

**TYPICAL GRAYS ROAD INTERSECTION**

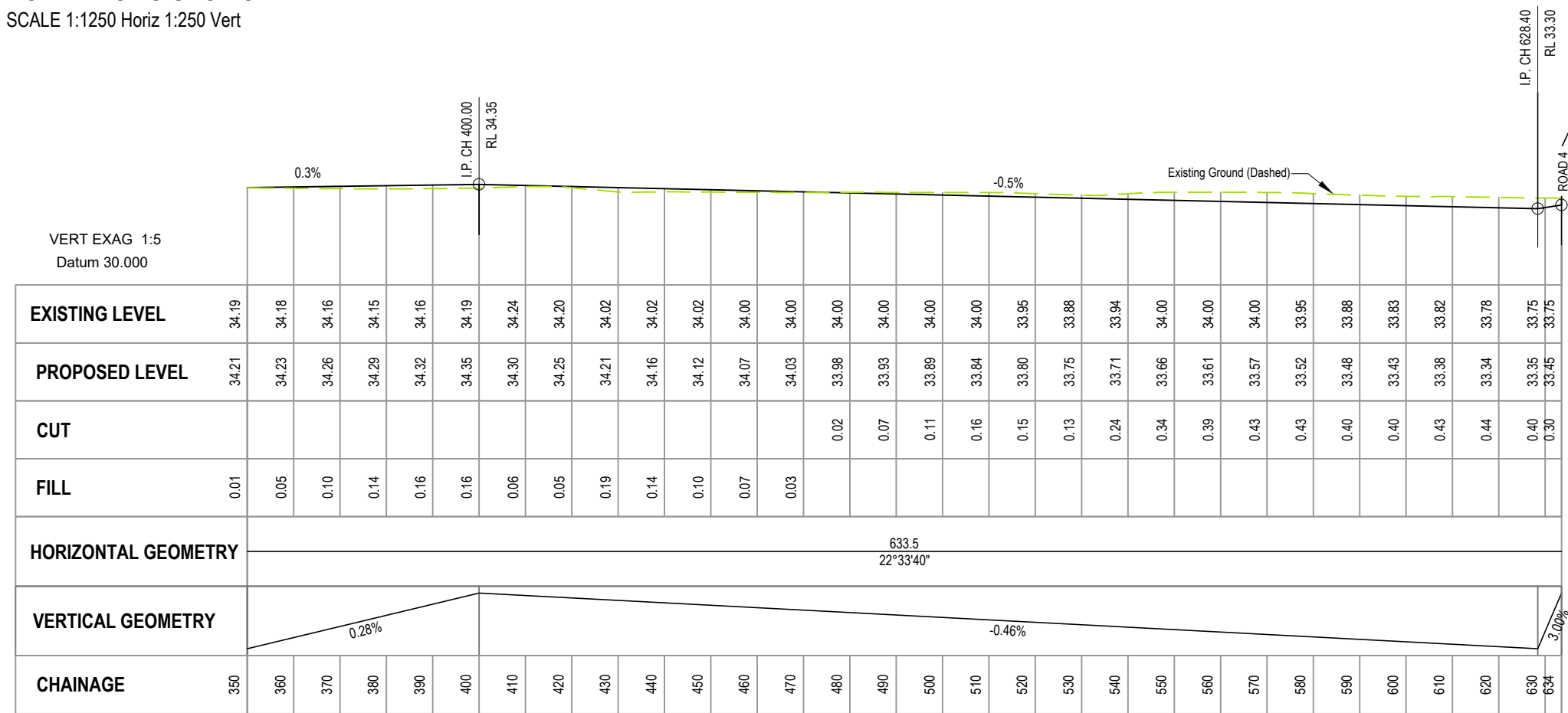
STATUS	SCALE	SIZE
FOR APPROVAL	1:250	A3

PROJECT	DRAWING NO	REVISION
1252	RC-RD312	B





ROAD 1 LONG SECTION  
SCALE 1:1250 Horiz 1:250 Vert



ROAD 1 LONG SECTION  
SCALE 1:1250 Horiz 1:250 Vert

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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL

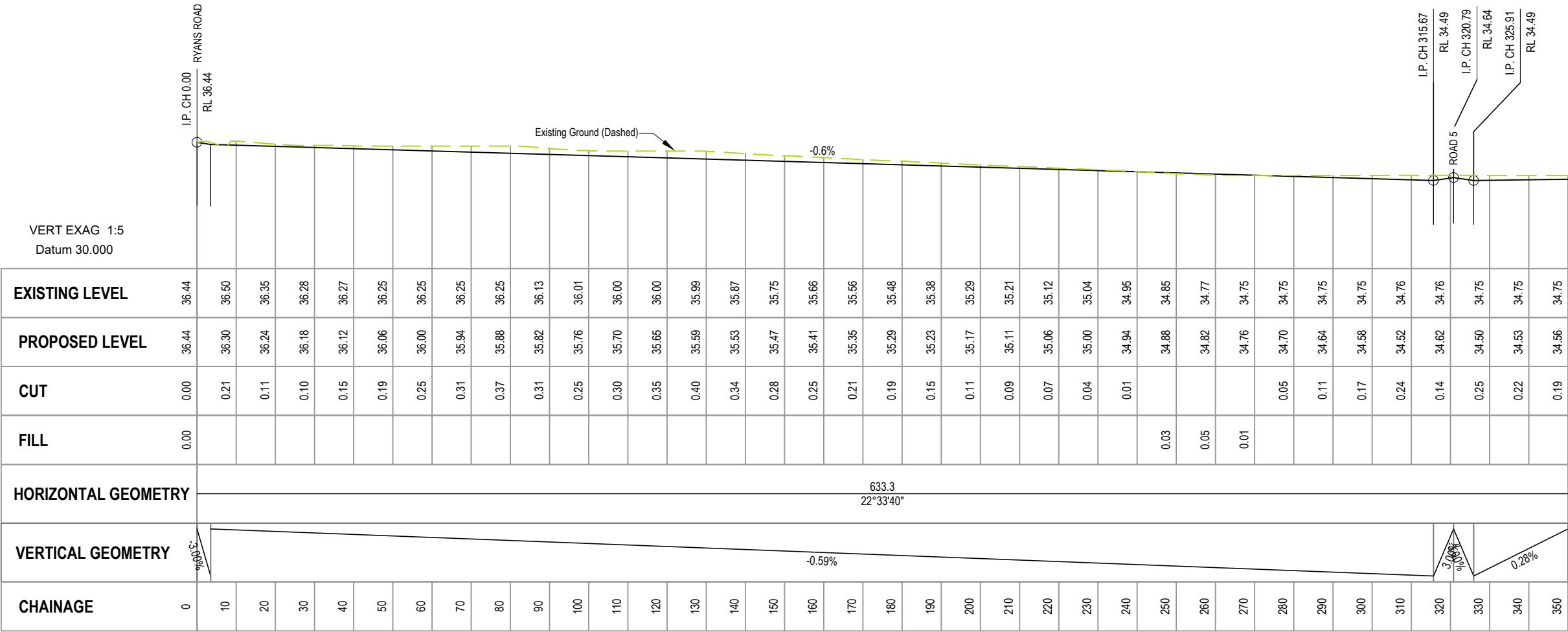
CLIENT  
CARTER GROUP LIMITED

PROJECT  
104 RYANS ROAD, HAREWOOD

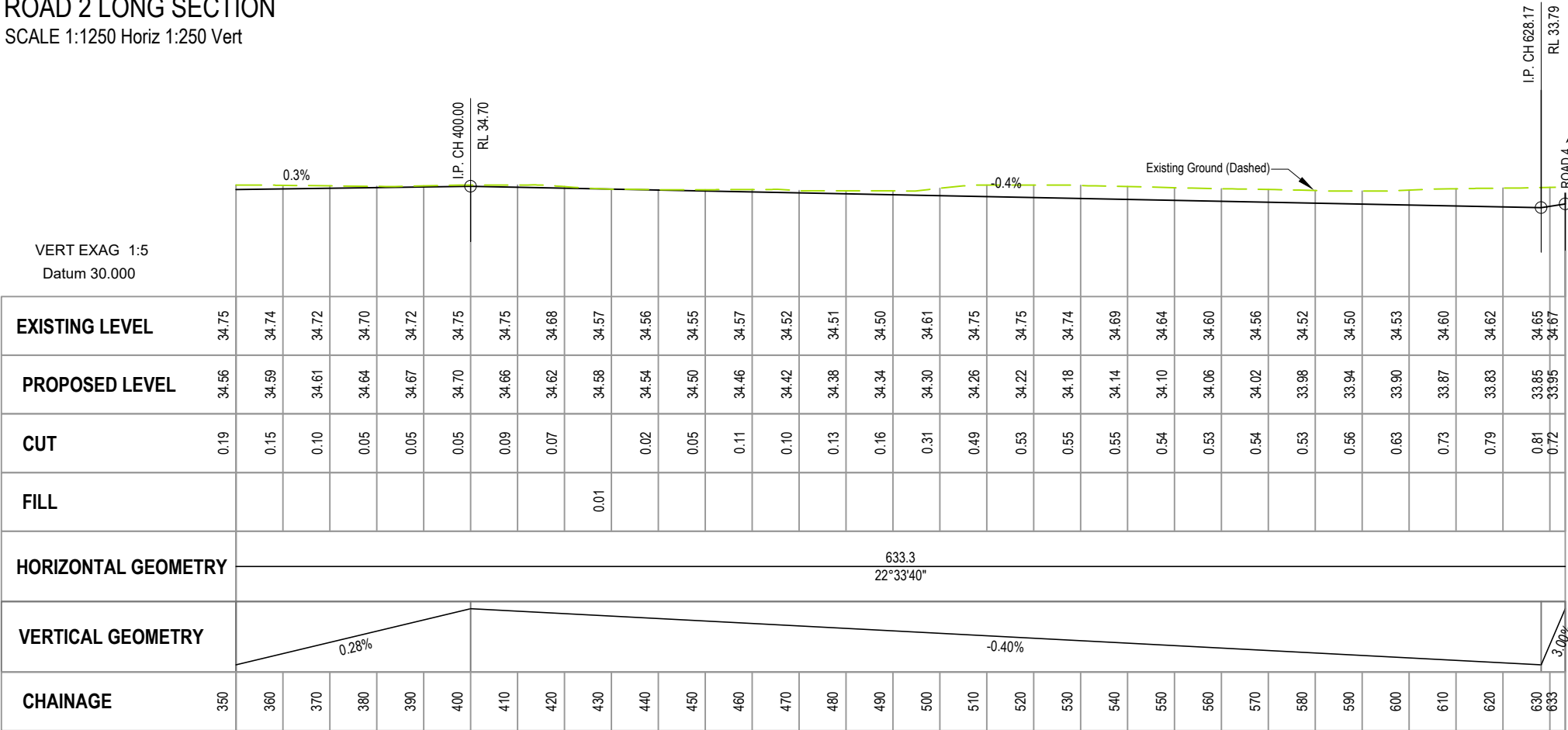
DRAWING TITLE  
ROAD 1 LONGSECTION

STATUS FOR APPROVAL	SCALE AS SHOWN	SIZE A3
PROJECT 1252	DRAWING NO RC-RD315	REVISION A





ROAD 2 LONG SECTION  
SCALE 1:1250 Horiz 1:250 Vert



ROAD 2 LONG SECTION  
SCALE 1:1250 Horiz 1:250 Vert

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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL

CLIENT

CARTER GROUP LIMITED

PROJECT

104 RYANS ROAD, HAREWOOD

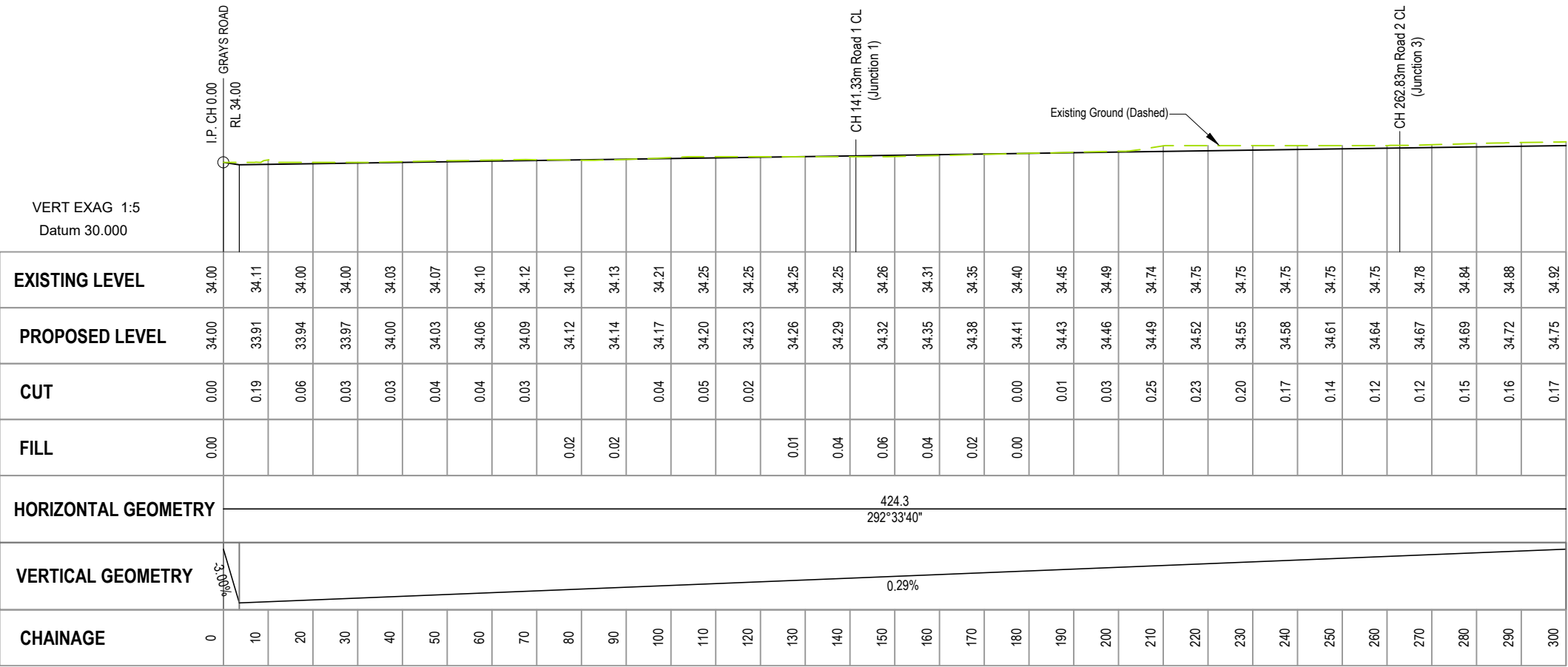
DRAWING TITLE

ROAD 2 LONGSECTION

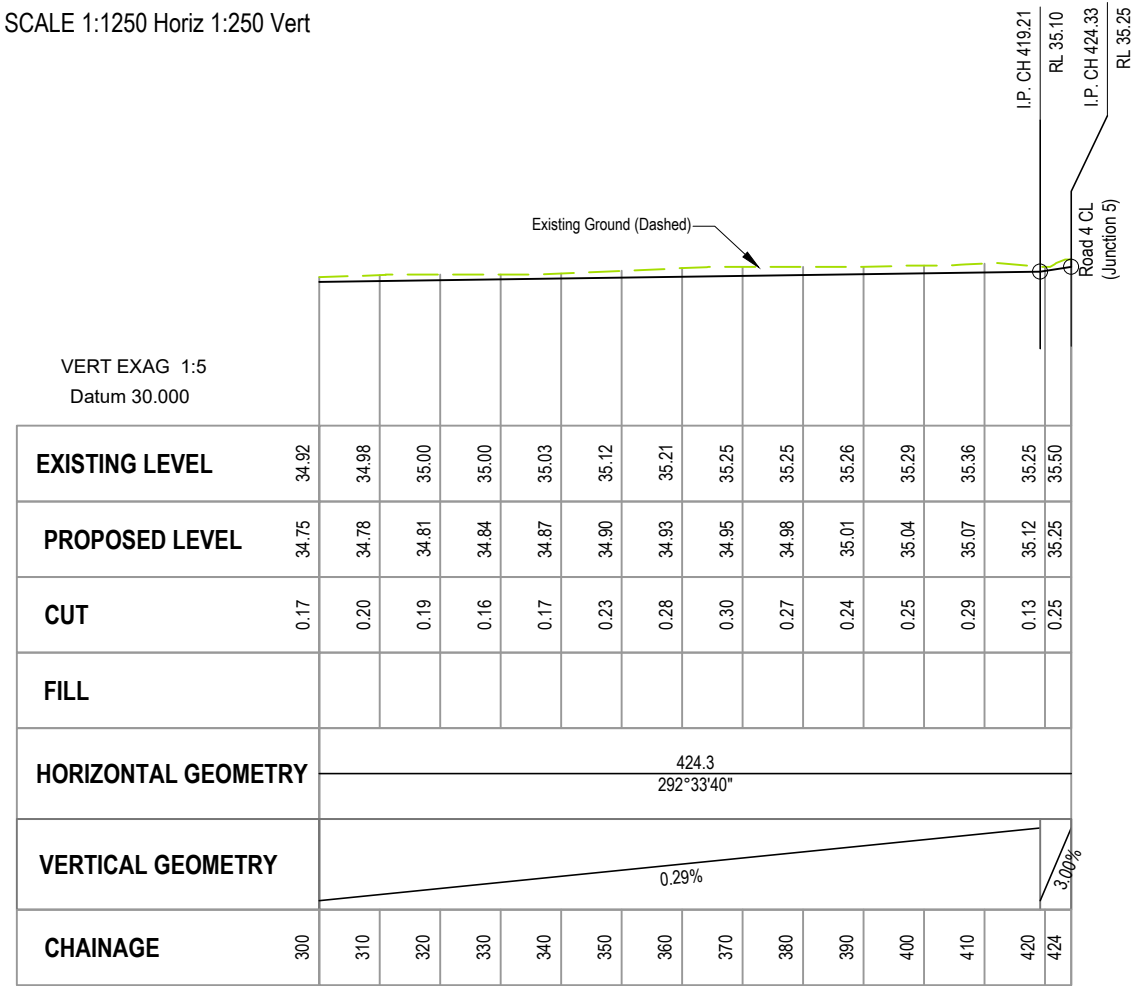
STATUS	SCALE	SIZE
FOR APPROVAL	AS SHOWN	A3

PROJECT	DRAWING NO	REVISION
1252	RC-RD316	A





ROAD 3 LONG SECTION  
SCALE 1:1250 Horiz 1:250 Vert



ROAD 3 LONG SECTION  
SCALE 1:1250 Horiz 1:250 Vert

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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL

CLIENT

CARTER GROUP LIMITED

PROJECT

104 RYANS ROAD, HAREWOOD

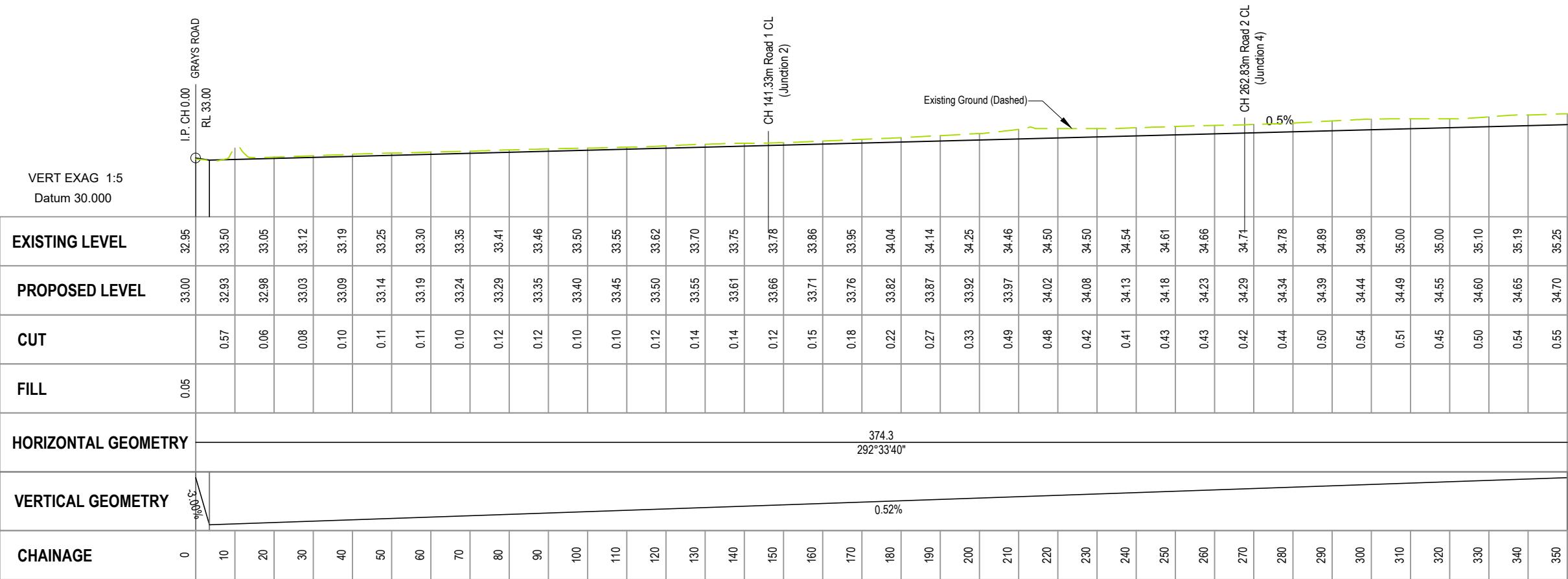
DRAWING TITLE

ROAD 3 LONGSECTION

STATUS	SCALE	SIZE
FOR APPROVAL	AS SHOWN	A3

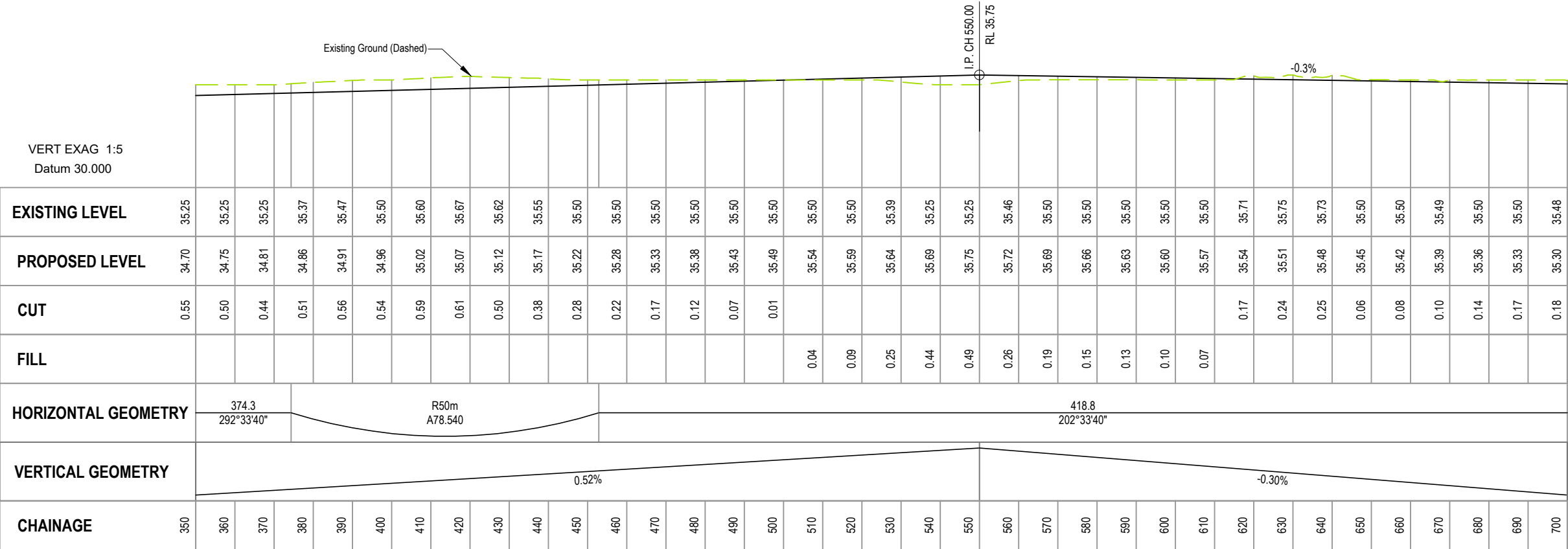
PROJECT	DRAWING NO	REVISION
1252	RC-RD317	A





ROAD 4 LONG SECTION

SCALE 1:1250 Horiz 1:250 Vert




ROAD 4 LONG SECTION

SCALE 1:1250 Horiz 1:250 Vert

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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL



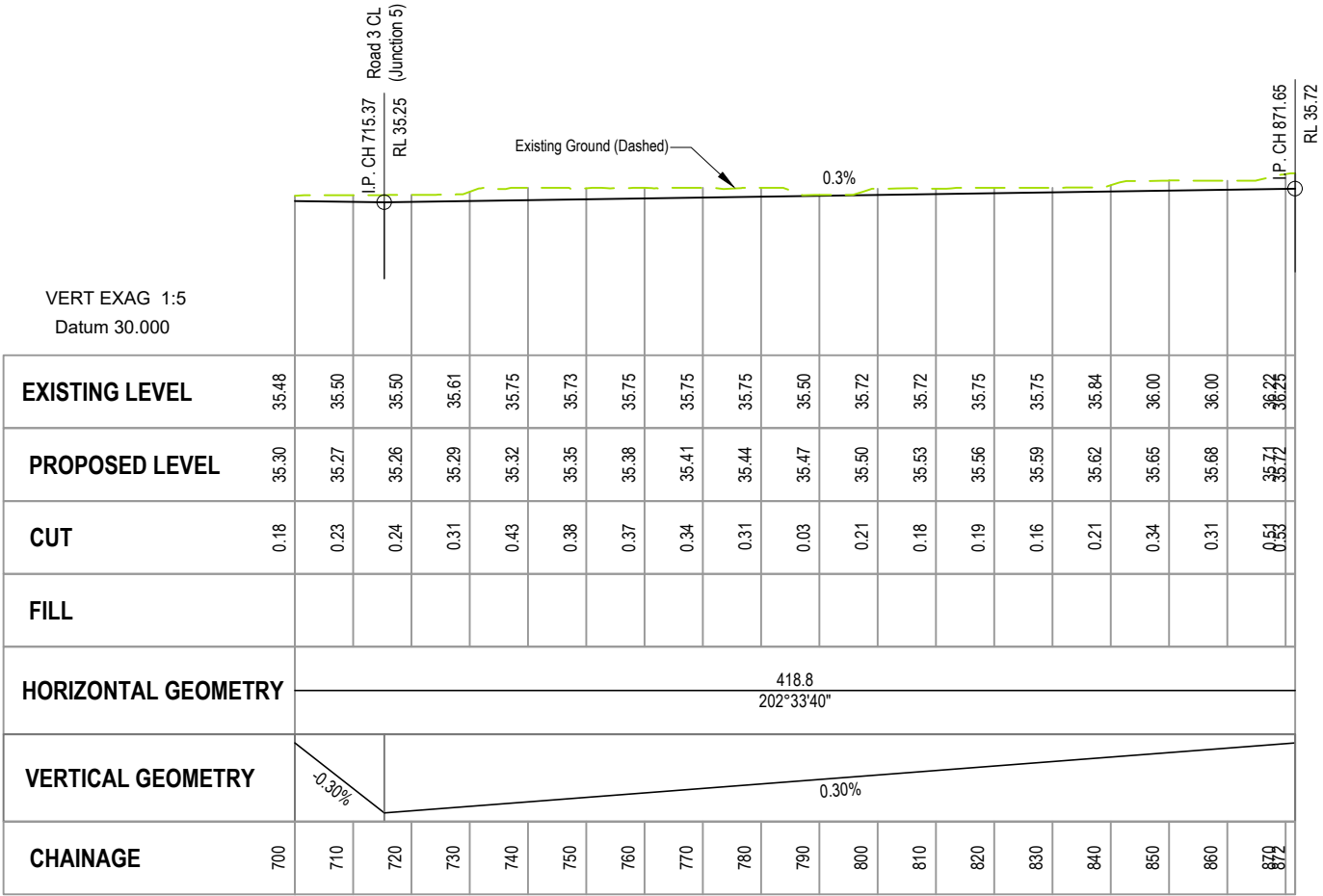
CLIENT  
CARTER GROUP LIMITED

PROJECT  
104 RYANS ROAD, HAREWOOD

DRAWING TITLE  
ROAD 4 LONGSECTION  
(SHEET 1 OF 2)

STATUS FOR APPROVAL	SCALE AS SHOWN	SIZE A3
PROJECT 1252	DRAWING NO RC-RD318	REVISION A






ROAD 4 LONG SECTION  
SCALE 1:1250 Horiz 1:250 Vert

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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL



CLIENT

CARTER GROUP LIMITED

PROJECT

104 RYANS ROAD, HAREWOOD

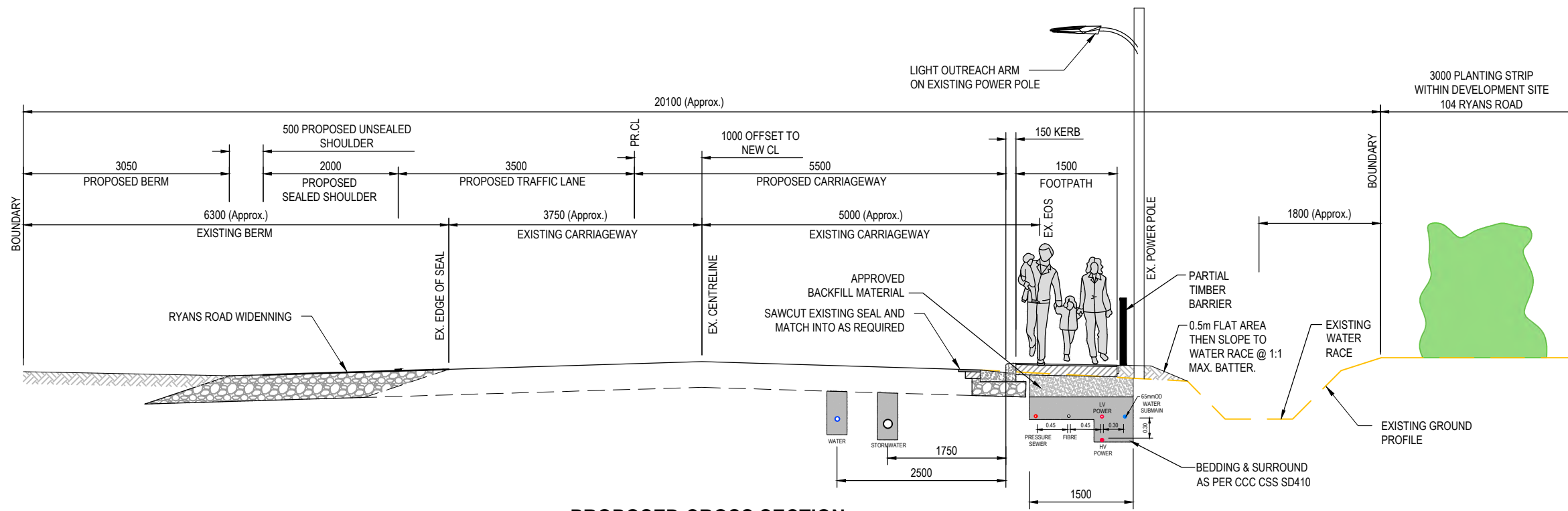
DRAWING TITLE

ROAD 4 LONGSECTION  
(SHEET 2 OF 2)

STATUS	SCALE	SIZE
FOR APPROVAL	AS SHOWN	A3

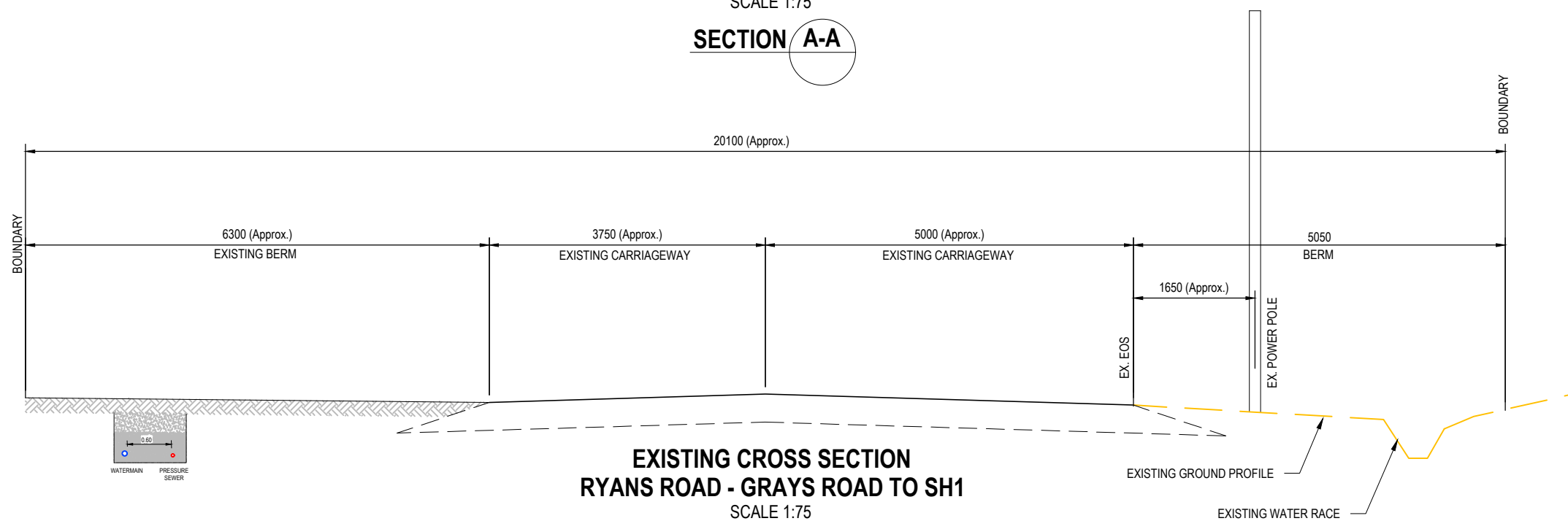
PROJECT	DRAWING NO	REVISION
1252	RC-RD319	A





**PROPOSED CROSS SECTION  
RYANS ROAD - ALONG SITE FRONTAGE**  
SCALE 1:75

**SECTION A-A**



**EXISTING CROSS SECTION  
RYANS ROAD - GRAYS ROAD TO SH1**  
SCALE 1:75

**SECTION B-B**

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CLIENT

CARTER GROUP LIMITED

104 RYANS ROAD  
HAREWOOD  
CHRISTCHURCH

PROJECT

RYANS ROAD  
INDUSTRIAL PARK



**CAPTURE**  
Land Development Consultants

REV	DATE	REVISION DETAILS	ISSUED
E	09/08/25	MINOR REVISION	TL
D	08/08/25	GENERAL REVISIONS	TL
C	17/07/25	SECTION A-A REVISED	TL
B	06/03/25	AMENDMENTS	TL
A	25/02/25	FOR APPROVAL	TL

DRAWING TITLE

PROPOSED ROAD WIDENING  
TYPICAL CROSS SECTIONS

STATUS

FOR APPROVAL

SCALE

As Shown

SIZE

A3

PROJECT NO

1252

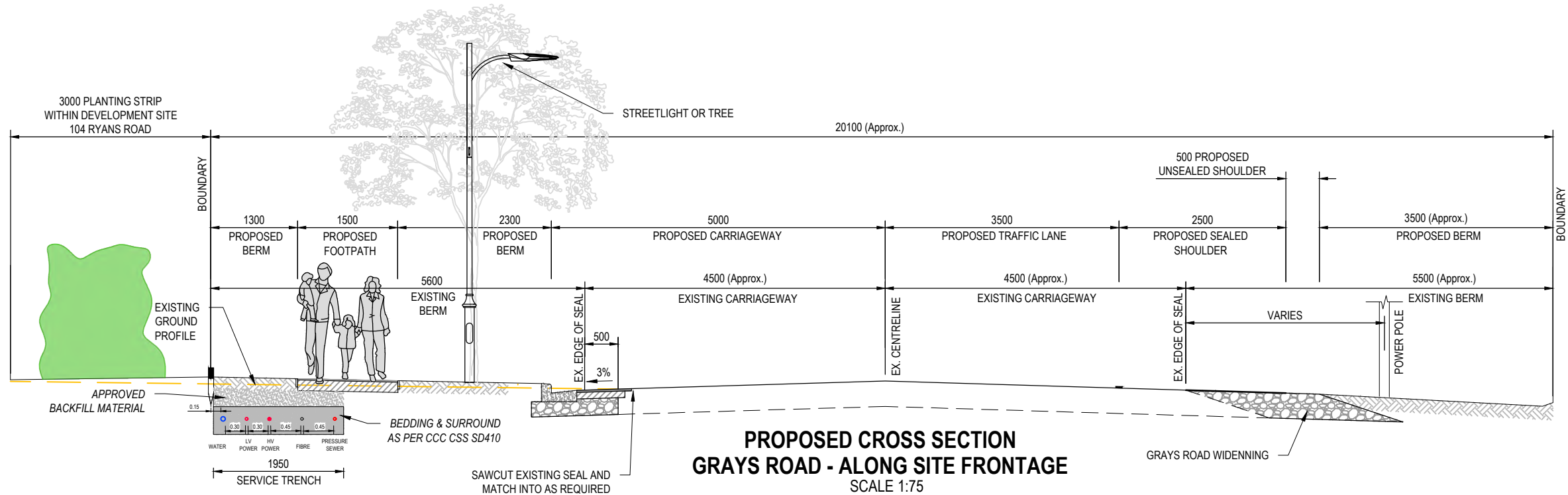
DRAWING NO

RC-RD320

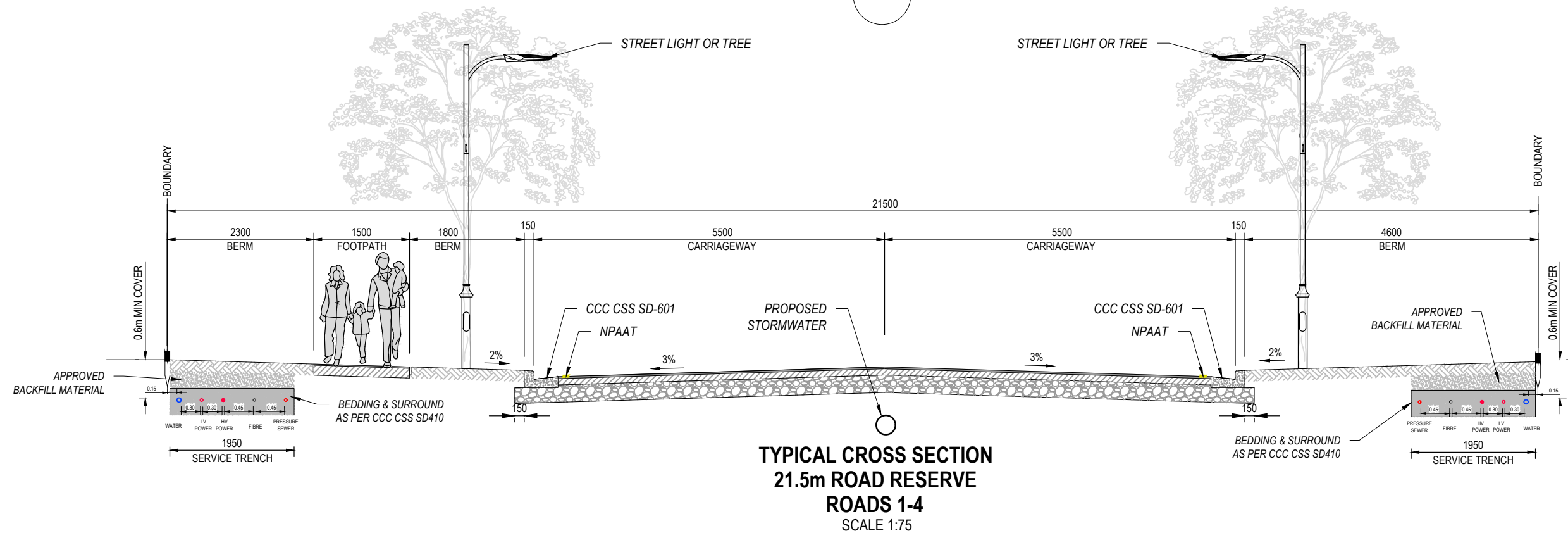
REVISION

E





SECTION C-C



SECTION D-D

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CARTER GROUP LIMITED

104 RYANS ROAD  
HAREWOOD  
CHRISTCHURCH

PROJECT

RYANS ROAD  
INDUSTRIAL PARK



REV	DATE	REVISION DETAILS	ISSUED
B	09/08/25	GENERAL REVISIONS	TL
A	25/02/25	FOR APPROVAL	TL

DRAWING TITLE

PROPOSED ROADING  
TYPICAL CROSS SECTIONS

STATUS

FOR APPROVAL

SCALE

As Shown

SIZE

A3

PROJECT NO

1252

DRAWING NO

RC-RD321

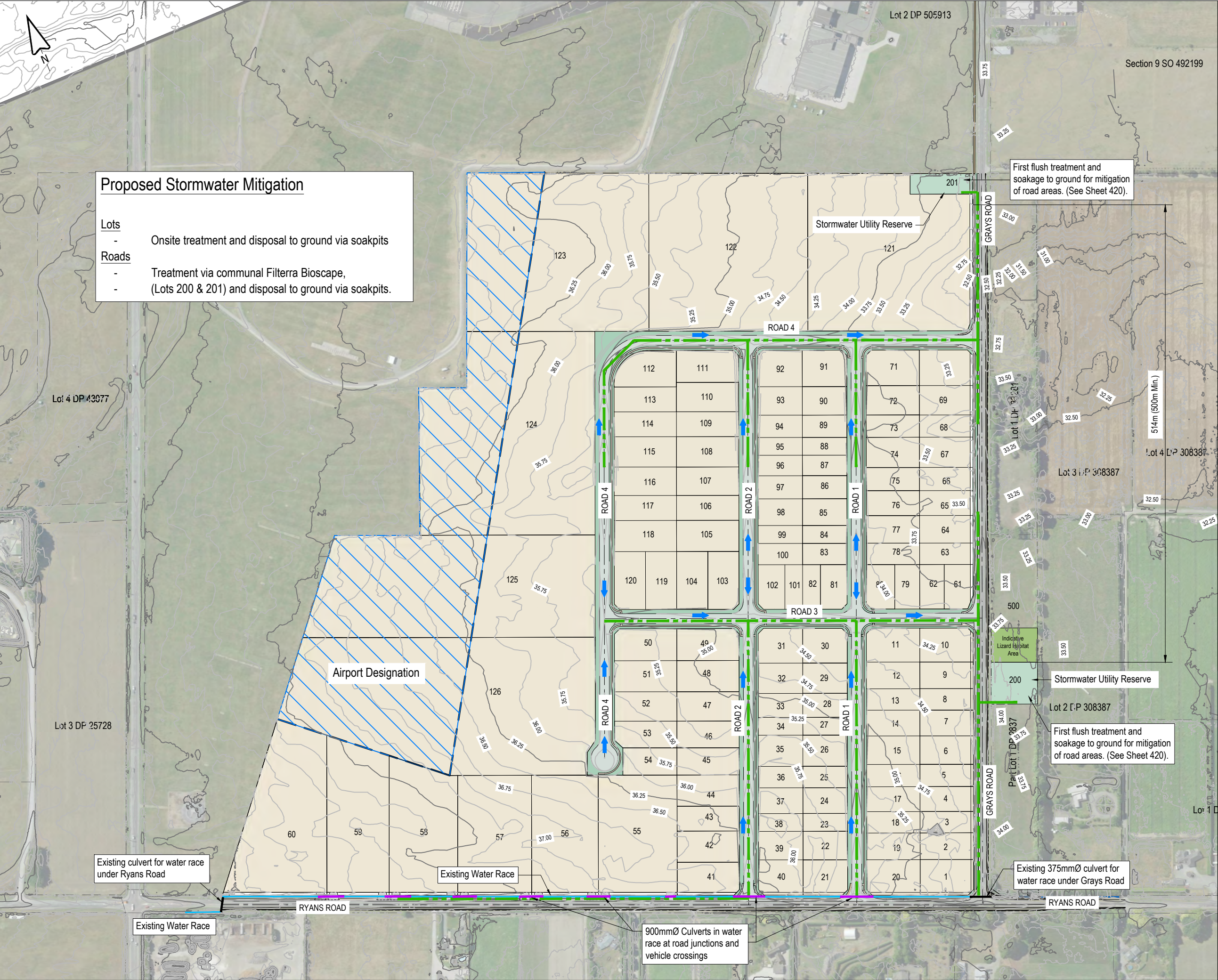
REVISION

B









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**NOTES: STORMWATER**

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CCC IDS AND CSS PARTS 1-7.
- MINIMUM CLEARANCE TO OTHER SERVICES TO BE AS PER IDS PART 9: UTILITIES TABLE 1.
- PIPE SIZES AND DEVICES TO BE CONFIRMED AT DETAILED DESIGN STAGE.
- PIPE MATERIALS AS PER CCC SUBDIVISION BULLETIN 25. 225Ø-300Ø TO BE uPVC, 375Ø UPWARDS TO BE CONCRETE RCRRJ C4 UNLESS OTHERWISE STATED.
- LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
- BACKFILLING AND BEDDING REQUIREMENTS AS PER CCC CODE OF PRACTICE.

**LEGEND:**

- WATER RACE CULVERT
- - - INDICATIVE STORMWATER LINES
- ➔ DIRECTION OF OVERLAND FLOW

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	06/08/25	SW REVISIONS	TL
C	07/08/25	MINOR REVISION	TL
D	06/11/25	SW RESERVES REVISED	TL

CLIENT

**CARTER GROUP LIMITED**

PROJECT

**104 RYANS ROAD, HAREWOOD**

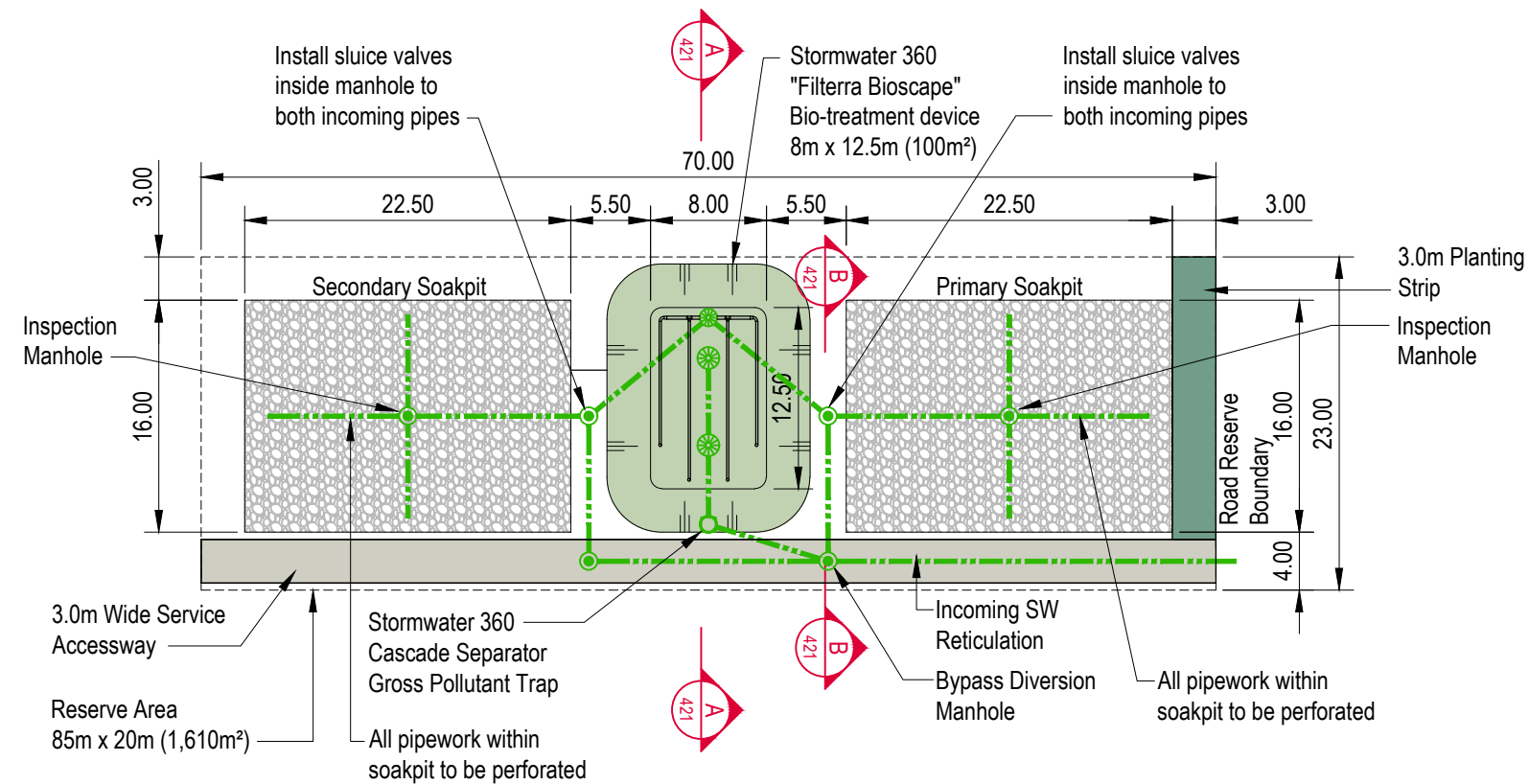
DRAWING TITLE

**PROPOSED STORMWATER SERVICING**

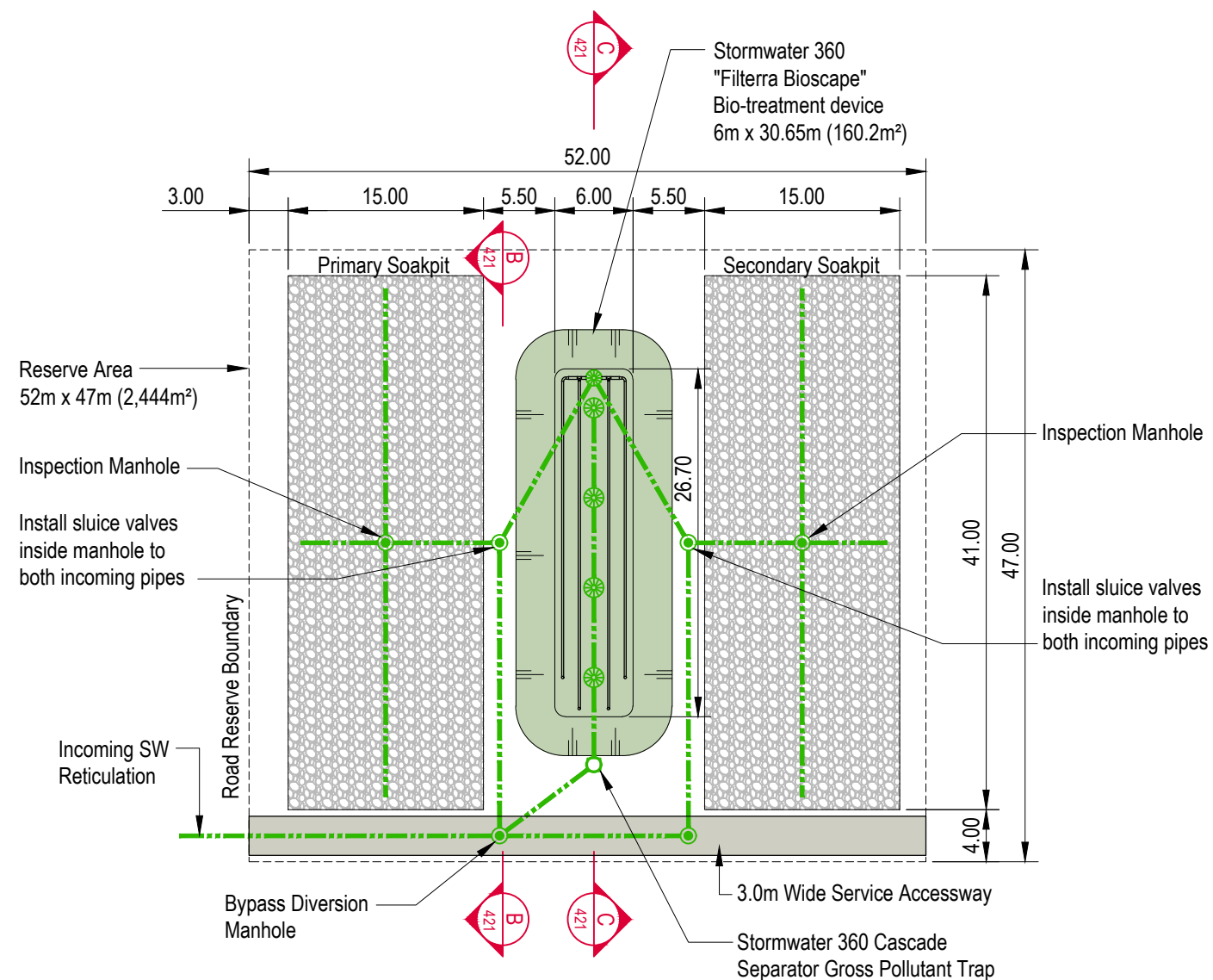
STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-SW400	D





**BIOFILTRATION SYSTEM LOT 201 PLAN**



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REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	06/08/25	SOAKPIT REVISIONS	TL
C	09/09/25	SOAKPIT REVISIONS	TL
D	05/11/25	GENERAL REVISIONS	TL



CLIENT

**CARTER GROUP LIMITED**

PROJECT

**104 RYANS ROAD, HAREWOOD**

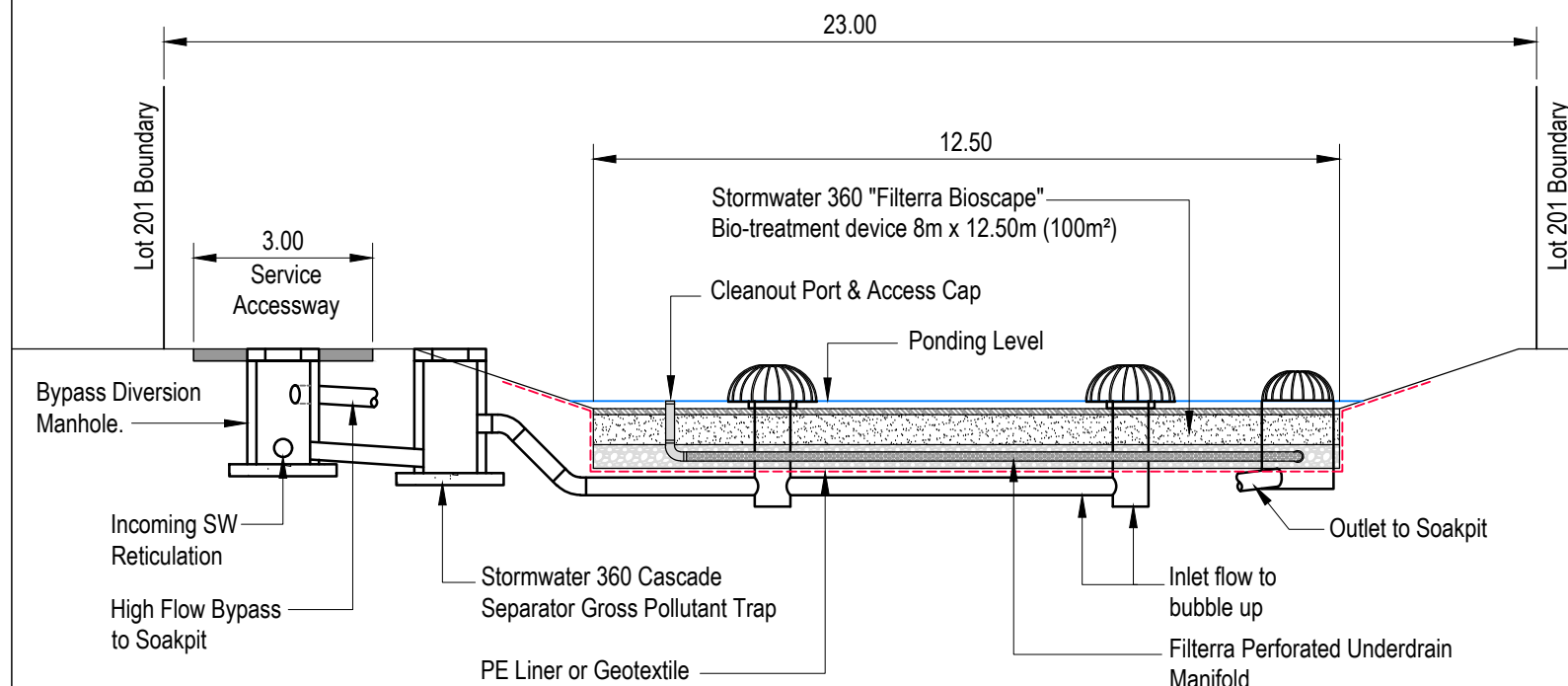
DRAWING TITLE

**TYPICAL STORMWATER  
BASIN DETAILS (SHEET 1 OF 2)**

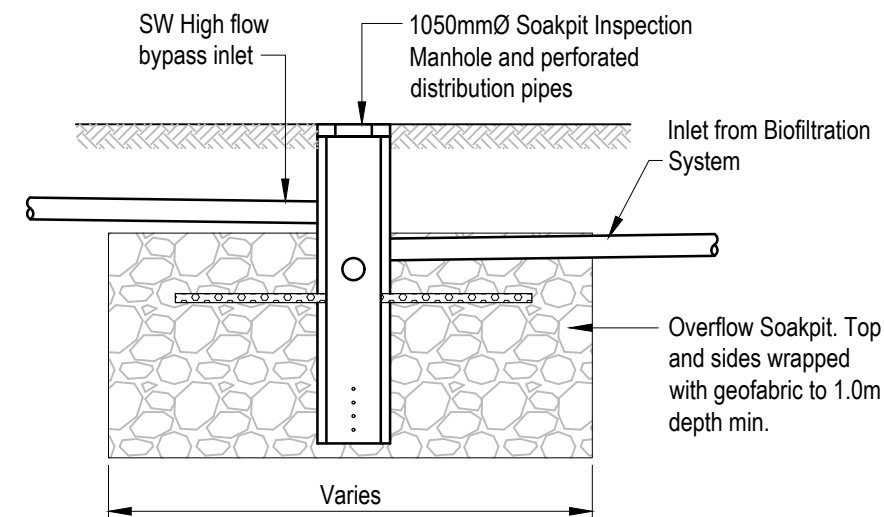
STATUS	SCALE	SIZE
FOR APPROVAL	1:500	A3
PROJECT	DRAWING NO	REVISION
1252	RC-SW420	D



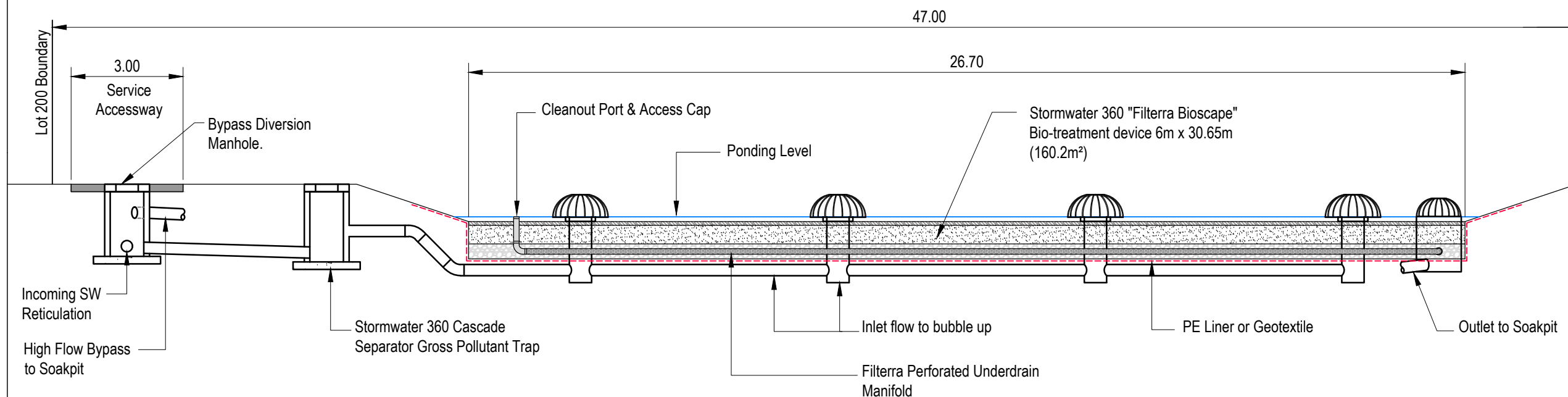
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**A LOT 201 BIOFILTRATION SYSTEM SECTION**  
420 Scale 1:125



**B TYPICAL SOAKPIT SECTION**  
420 Scale 1:125



**C LOT 200 BIOFILTRATION SYSTEM SECTION**  
420 Scale 1:125

REV	DATE	REVISION DETAILS	ISSUED
A	05/11/25	FOR APPROVAL	TL



**CLIENT**  
CARTER GROUP LIMITED

**PROJECT**  
104 RYANS ROAD, HAREWOOD

**DRAWING TITLE**  
TYPICAL STORMWATER  
BASIN DETAILS (SHEET 2 OF 2)

**STATUS** FOR APPROVAL **SCALE** 1:125 **SIZE** A3

**PROJECT** 1252 **DRAWING NO** RC-SW421 **REVISION** A

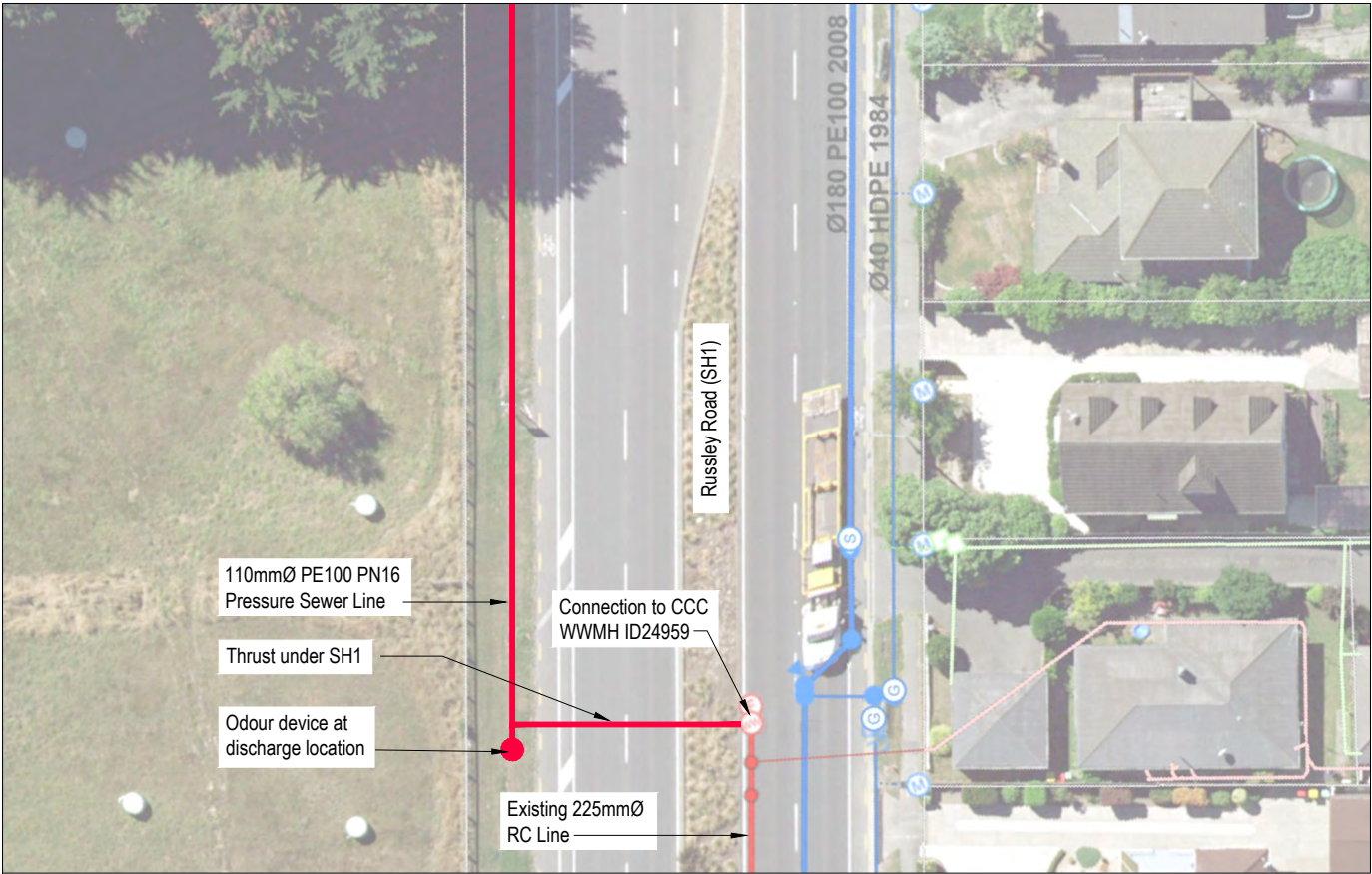








Scale 1:4000 (A3)



Scale 1:500 (A3)

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NOTES: LOW PRESSURE SEWER

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CCC IDS AND CSS PARTS 1-7.
- MINIMUM CLEARANCE TO OTHER SERVICES TO BE AS PER IDS PART 9: UTILITIES TABLE 1.
- MINIMUM COVER FOR MAINS WITHIN CARRIAGEWAY TO BE 750mm, AND TO COMPLY WITH "CODE OF PRACTICE FOR WORKING ON THE ROAD".
- WASTEWATER TEES, VALVES, FLUSHING POINTS, BOUNDARY KITS etc. TO BE INSTALLED IN ACCORDANCE WITH CCC IDS AND CSS REQUIREMENTS. NOT SHOWN ON PLANS.
- PIPE SIZING TO BE DETERMINED AT DETAILED ENGINEERING STAGE.
- LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	12/08/25	MINOR REVISIONS	TL

CLIENT  
**CARTER GROUP LIMITED**

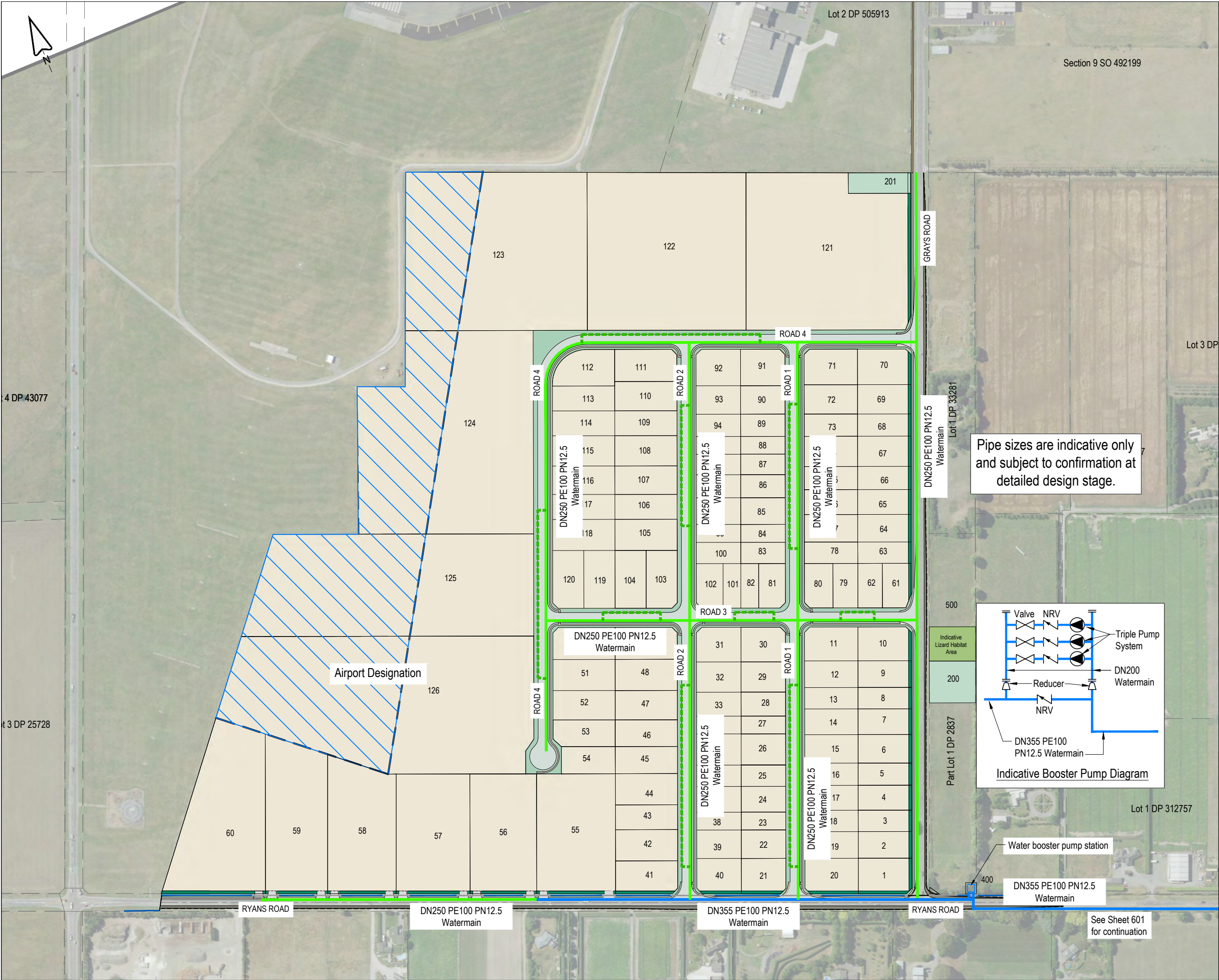
PROJECT  
**104 RYANS ROAD, HAREWOOD**

DRAWING TITLE  
**PROPOSED WASTEWATER  
SERVICING - LOW PRESSURE  
SEWER (SHEET 2 OF 2)**

STATUS	SCALE	SIZE
FOR APPROVAL	AS SHOWN	A3

PROJECT	DRAWING NO	REVISION
1252	RC-WW501	B





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### NOTES: WATER RETICULATION

- ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CCC IDS AND CSS PARTS 1-7.
- MINIMUM CLEARANCE TO OTHER SERVICES TO BE AS PER IDS PART 9: UTILITIES TABLE 1.
- LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
- MINIMUM COVER FOR MAINS WITHIN CARRIAGEWAY TO BE 750mm, AND TO COMPLY WITH "CODE OF PRACTICE FOR WORKING ON THE ROAD".
- ANY LAYING OF PIPE MAINS OR CONNECTIONS TO THE EXISTING COUNCIL WATER RETICULATION SHALL BE MADE BY A CCC AUTHORISED WATER SUPPLY INSTALLER.
- INDICATIVE PIPE MATERIALS
  - PRINCIPAL MAINS - PE100 PN12.5
  - SUBMAINS - 630D MDPE 80B PN 12.5 (NOT SHOWN)
- WATER TEES, VALVES, HYDRANTS ETC. TO BE INSTALLED IN ACCORDANCE WITH CCC IDS, CSS AND SNZ PAS 4509:2008 REQUIREMENTS. NOT SHOWN ON PLANS.
- PIPE SIZING AND BOOSTER PUMP REQUIREMENTS TO BE DETERMINED AT DETAILED ENGINEERING STAGE.

### LEGEND:

- DN355mm dia PE100 PN125 WATERMAIN
- DN250mm dia PE100 PN12.5 WATERMAIN
- DN63mm DIA PE100 PN12.5 WATER SUBMAIN

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL
B	06/11/25	SW RESERVES REVISED	TL

**CAPTURE**  
Land Development Consultants

CLIENT  
**CARTER GROUP LIMITED**

PROJECT  
**104 RYANS ROAD, HAREWOOD**

DRAWING TITLE  
**PROPOSED WATER SERVICING (SHEET 1 OF 2)**

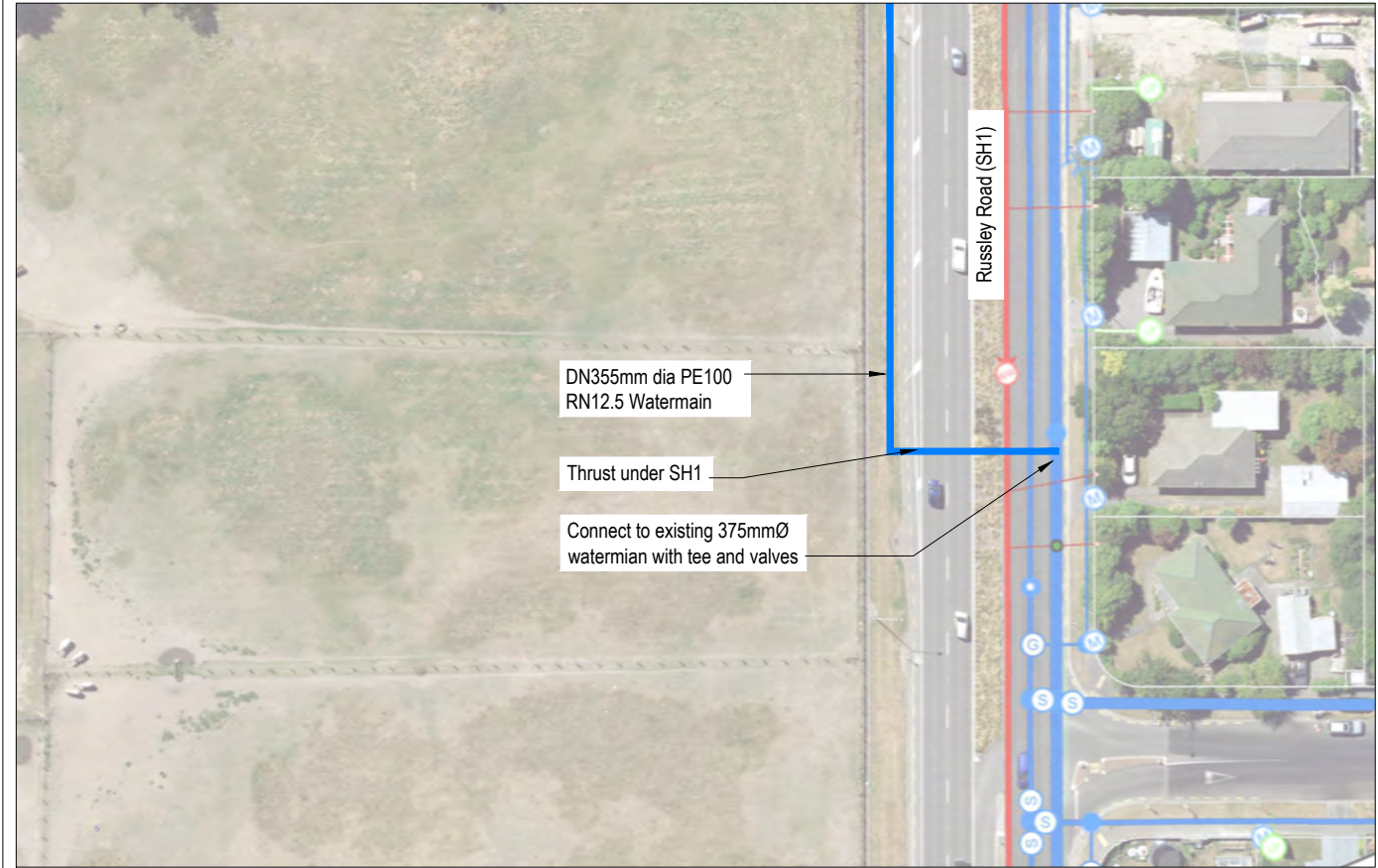
STATUS	SCALE	SIZE
FOR APPROVAL	1:4000	A3

PROJECT	DRAWING NO	REVISION
1252	RC-WS600	B





Scale 1:4000 (A3)



Scale 1:1000 (A3)

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NOTES: WATER RETICULATION

1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CCC IDS AND CSS PARTS 1-7.
2. MINIMUM CLEARANCE TO OTHER SERVICES TO BE AS PER IDS PART 9: UTILITIES TABLE 1.
3. LOCATION OF EXISTING SERVICES TO BE CONFIRMED BY RELEVANT SERVICE PROVIDERS ON SITE, PRIOR TO UNDERTAKING ANY EXCAVATIONS.
4. MINIMUM COVER FOR MAINS WITHIN CARRIAGEWAY TO BE 750mm, AND TO COMPLY WITH "CODE OF PRACTICE FOR WORKING ON THE ROAD ".
5. ANY LAYING OF PIPE MAINS OR CONNECTIONS TO THE EXISTING COUNCIL WATER RETICULATION SHALL BE MADE BY A CCC AUTHORISED WATER SUPPLY INSTALLER.
6. INDICATIVE PIPE MATERIALS
  - PRINCIPAL MAINS - PE100 PN12.5
  - SUBMAINS - 630D MDPE 80B PN 12.5 (NOT SHOWN)
7. WATER TEES, VALVES, HYDRANTS ETC. TO BE INSTALLED IN ACCORDANCE WITH CCC IDS, CSS AND SNZ PAS 4509:2008 REQUIREMENTS. NOT SHOWN ON PLANS.
8. PIPE SIZING AND BOOSTER PUMP REQUIREMENTS TO BE DETERMINED AT DETAILED ENGINEERING STAGE.

LEGEND:

- DN355mm dia PE100 PN125 WATERMAIN
- DN250mm dia PE100 PN12.5 WATERMAIN

REV	DATE	REVISION DETAILS	ISSUED
A	25/02/25	FOR APPROVAL	TL

CLIENT

CARTER GROUP LIMITED

PROJECT

104 RYANS ROAD, HAREWOOD

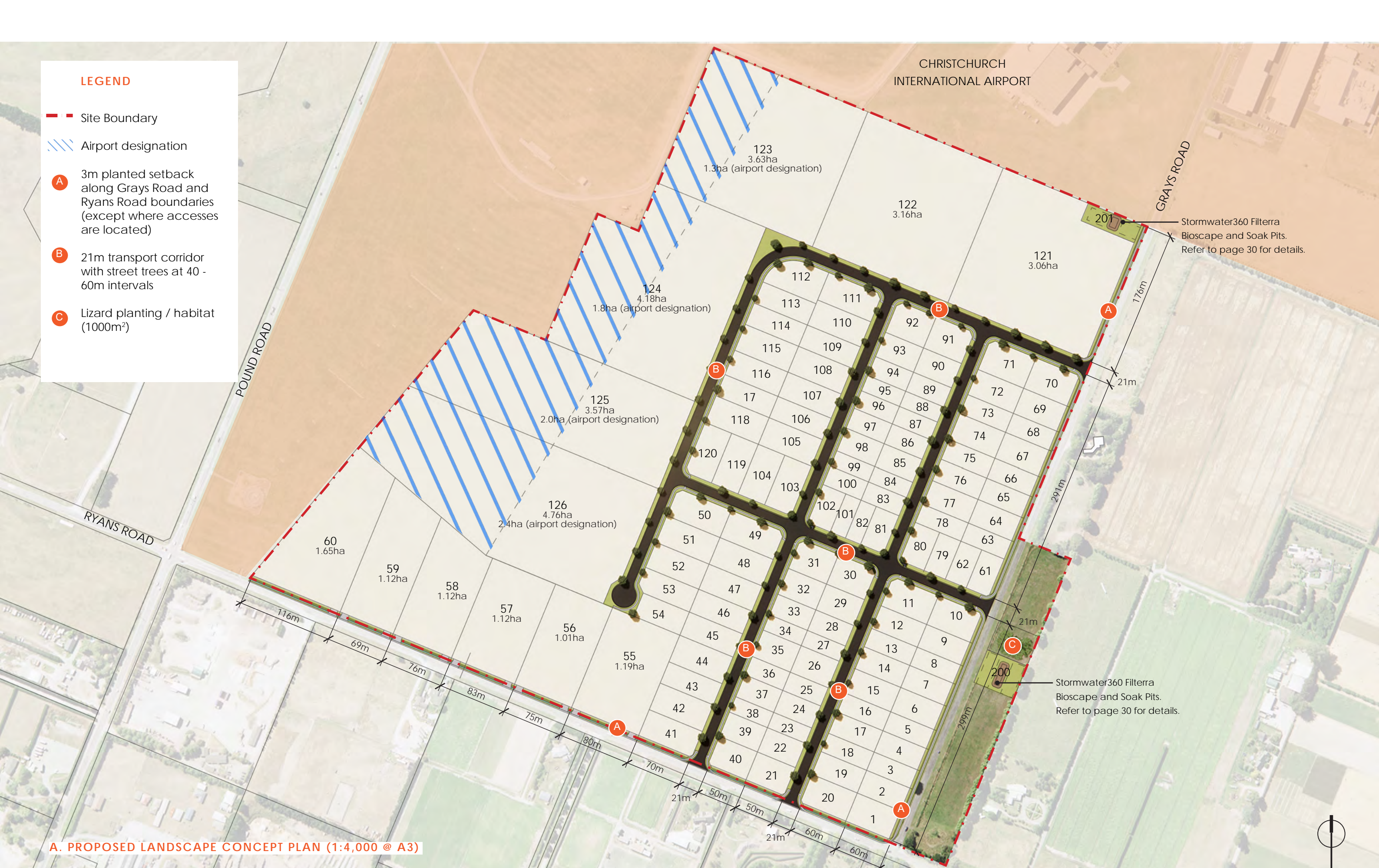
DRAWING TITLE

PROPOSED WATER SERVICING  
(SHEET 2 OF 2)

STATUS	SCALE	SIZE
FOR APPROVAL	AS SHOWN	A3

PROJECT	DRAWING NO	REVISION
1252	RC-WS601	A





PROPOSAL - PROPOSED LANDSCAPE CONCEPT PLAN

APPENDIX 2 - LANDSCAPE AND VISUAL IMPACT ASSESSMENT - GRAPHIC SUPPLEMENT



## LEGEND

- Site Boundary
- A Lizard planting area (1000m<sup>2</sup>)
- Habitat rock / log piles
- Lizard exclusion fence

\*see plant palette page for plant species



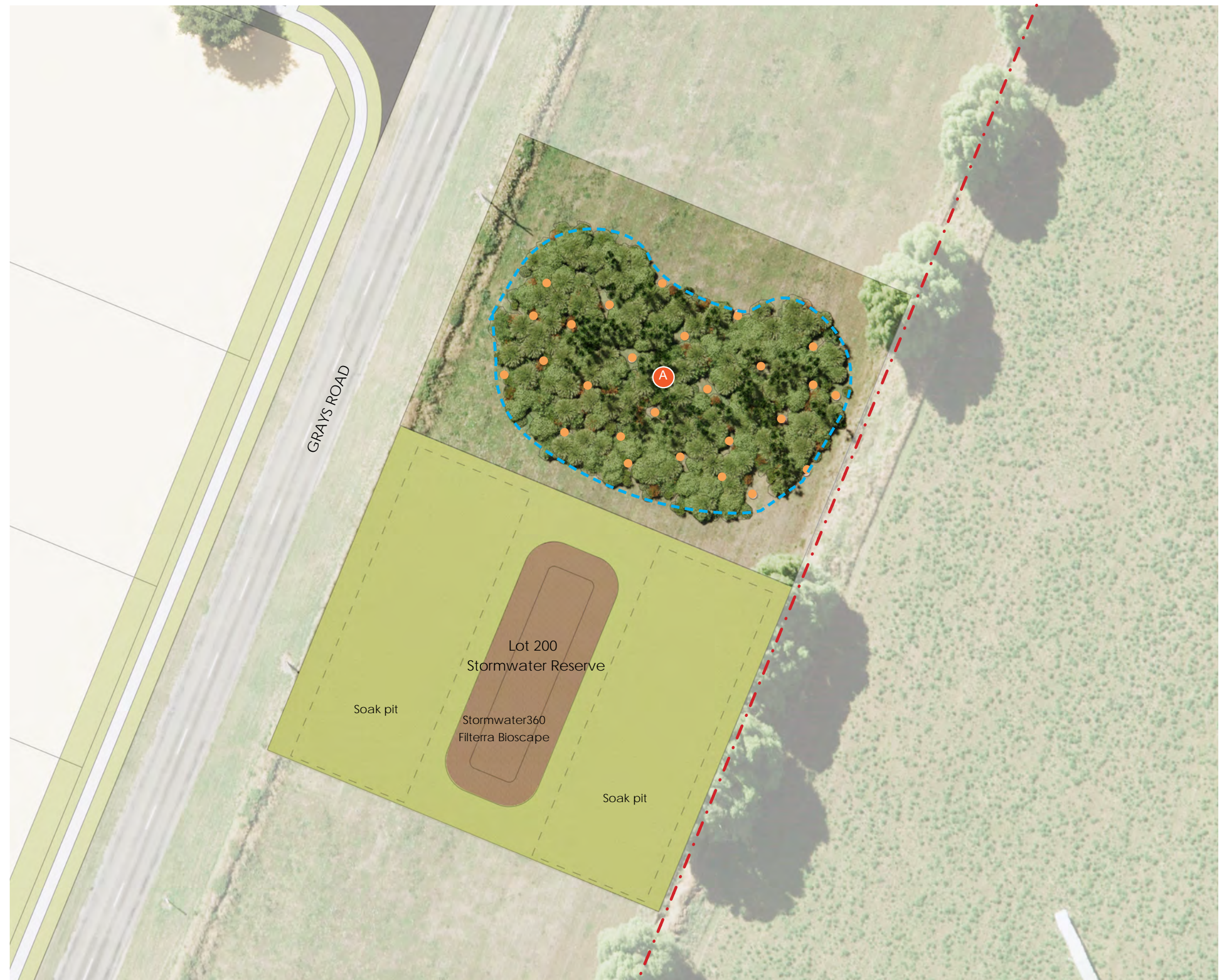
LIZARD HABITAT AGGREGATE PILE



LIZARD HABITAT WOOD PILE



LIZARD EXCLUSION FENCE



LIZARD HABITAT CONCEPT PLAN (1:500 @ A3)



# PROPOSAL - LIZARD HABITAT CONCEPT PLAN

APPENDIX 2 - LANDSCAPE AND VISUAL IMPACT ASSESSMENT - GRAPHIC SUPPLEMENT

2024\_051 CARTER GROUP 104 RYANS ROAD - LVIA APPENDIX\_L



# STREET PLANT PALETTE

## SPECIMEN TREES



Upright Red Maple  
(*Acer 'bowhall'*)



Frontier Elm  
(*Ulmus parvifolia 'Frontier'*)



Scarlet Oak  
(*Quercus coccinea*)

# STORMWATER MANAGEMENT AREAS



Glen Murray tussock  
(*Carex flagellifera*)



Orange Sedge  
(*Carex testacea*)

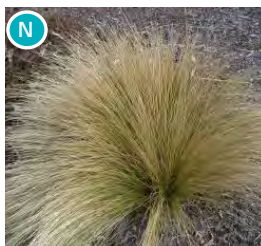


Swamp sedge,  
purei  
(*Carex virgata*)

# LIZARD HABITAT



Mingimingi  
(*Coprosma propinqua*)



Silver tussock  
(*Poa cita*)



Scrub pōhuehue  
(*Muehlenbeckia astonii*)



Round Leaved  
Coprosma  
(*Coprosma rotundifolia*)



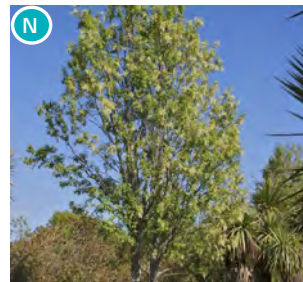
Creeping  
pōhuehue  
(*Muehlenbeckia axillaris*)

# BUFFER PLANTING

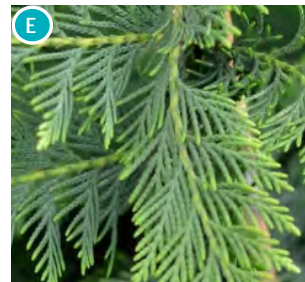
## SPECIMEN TREES



Tarata / Lemonwood  
(*Pittosporum eugenoides*)



Manatu / Ribbonwood  
(*Plagianthus regius*)



Green Leyland Cypress  
(*Cupressus x leylandii 'Ferndown'*)

## SHRUBS



Koromiko  
(*Veronica salicifolia*)



Kāpuka/broadleaf  
(*Griselinia littoralis*)





# BUFFER PLANTING

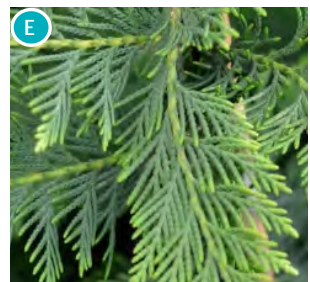
## SPECIMEN TREES



Tarata / Lemonwood  
(*Pittosporum eugenioides*)



Manatu / Ribbonwood  
(*Plagianthus regius*)



Green Leyland Cypress  
(*Cupressus x leylandii* 'Ferndown')

Note: Mixed row of *Pittosporum eugenioides* and *Plagianthus regius* to be used as a 'shelterbelt' planted at 1m spacings. Where buffer planting is adjacent to neighbouring residential dwellings, *Cupressus x leylandii* 'Ferndown' to be used as 'shelterbelt' species at 1.5m spacings. To be underplanted with the below shrubs.

## SHRUBS



Koromiko  
(*Veronica salicifolia*)



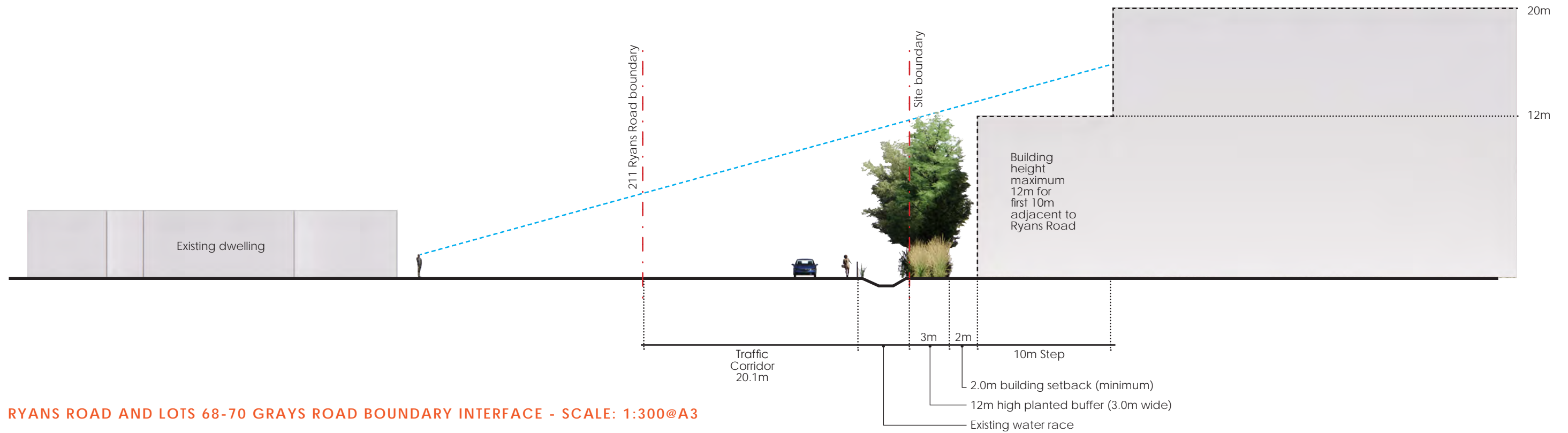
Kāpuka/broadleaf  
(*Griselinia littoralis*)

### A. BOUNDARY TREATMENT SECTION - ELEVATION (NTS)

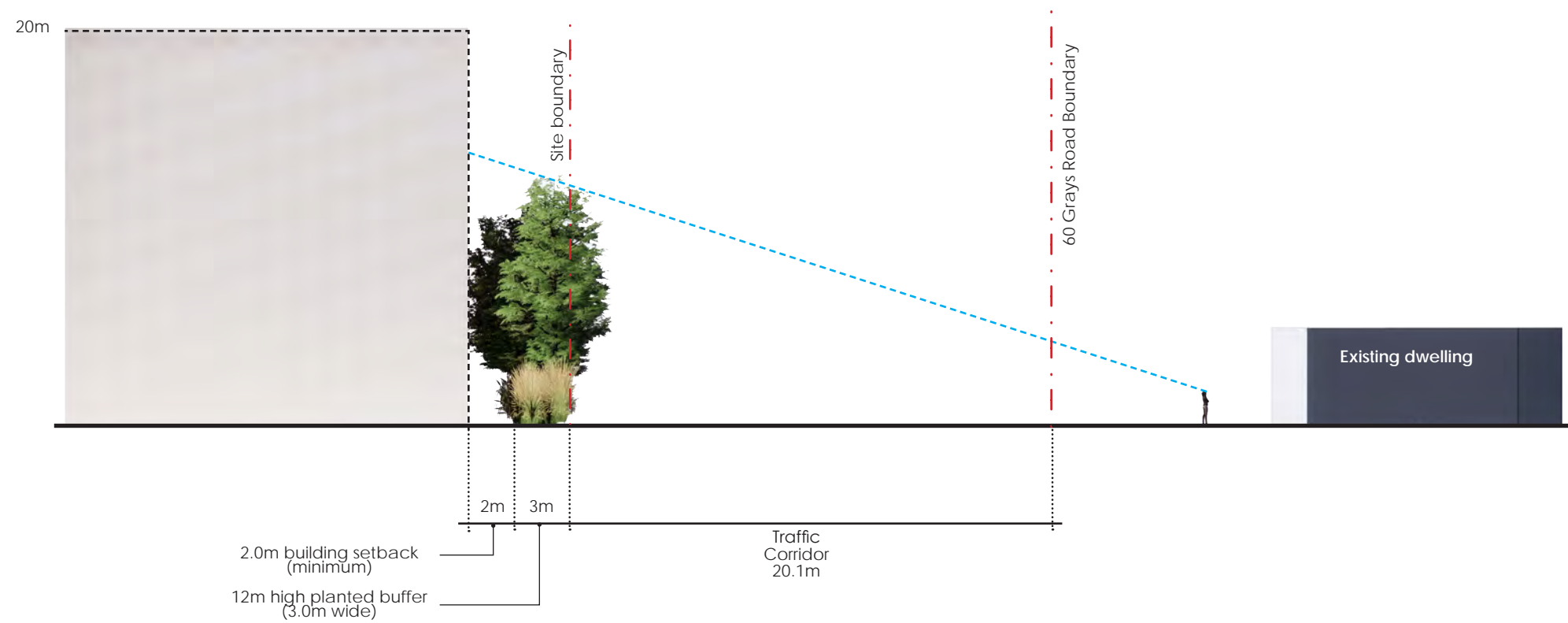
## LANDSCAPE BOUNDARY TREATMENT - RYANS ROAD

APPENDIX 2 - LANDSCAPE AND VISUAL IMPACT ASSESSMENT - GRAPHIC SUPPLEMENT





A. RYANS ROAD AND LOTS 68-70 GRAYS ROAD BOUNDARY INTERFACE - SCALE: 1:300@A3

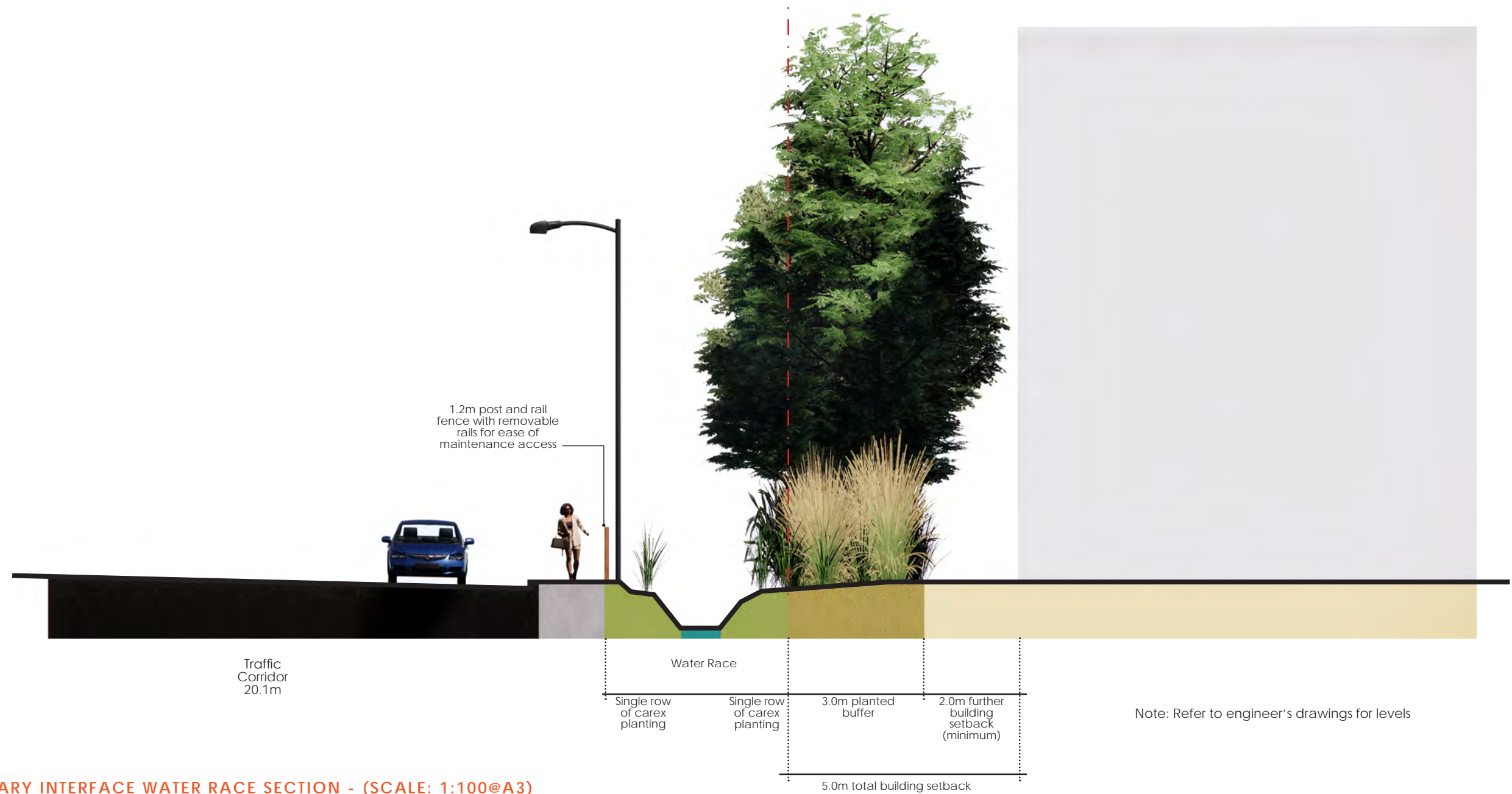


B. GRAYS RD BOUNDARY INTERFACE (EXCLUDING LOTS 68-70) - SCALE: 1:300@A3

## ROAD BOUNDARY INTERFACE SECTIONS

APPENDIX 2 - LANDSCAPE AND VISUAL IMPACT ASSESSMENT - GRAPHIC SUPPLEMENT



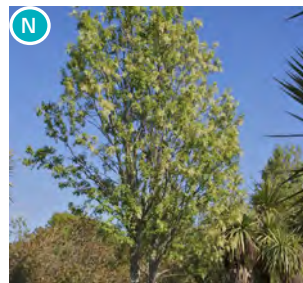


A. RYANS RD BOUNDARY INTERFACE WATER RACE SECTION - (SCALE: 1:100@A3)

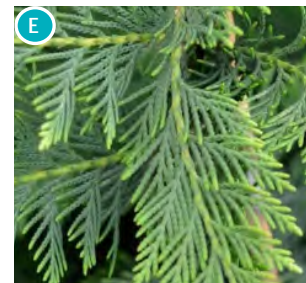
## BUFFER PLANT SPECIES



Tarata / Lemonwood  
(*Pittosporum eugenioides*)



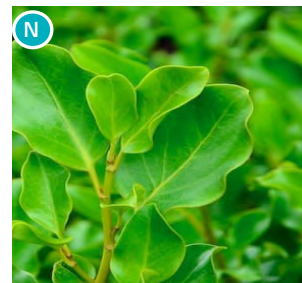
Manatu / Ribbonwood  
(*Plagianthus regius*)



Green Leyland Cypress  
(*Cupressus x leylandii* 'Ferndown')



Koromiko  
(*Veronica salicifolia*)

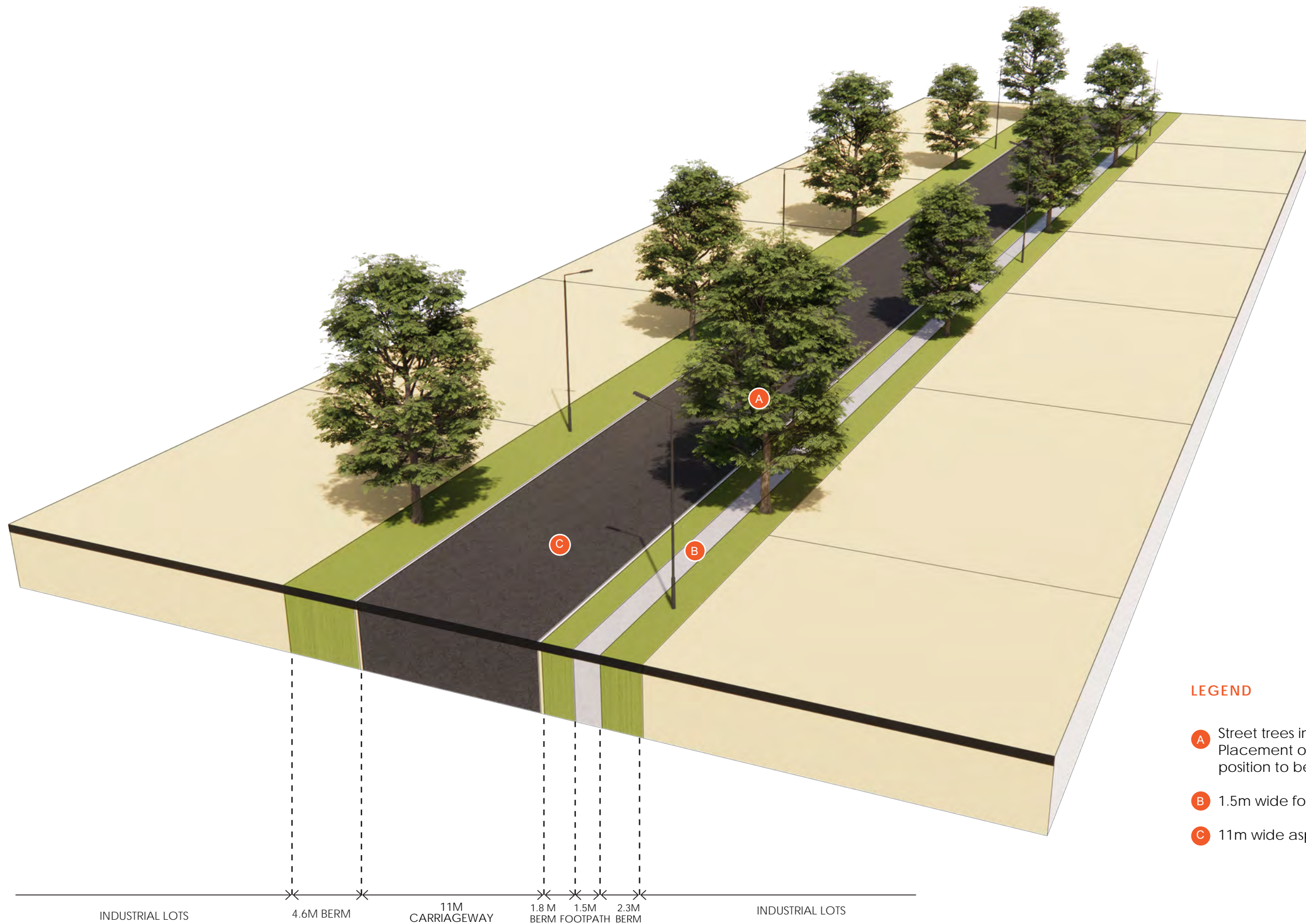


Kāpuka/broadleaf  
(*Griselinia littoralis*)

Note: Mixed row of *Pittosporum eugenioides* and *Plagianthus regius* to be used as a 'shelterbelt' planted at 1m spacings. Where buffer planting is adjacent to neighbouring residential dwellings, *Cupressus x leylandii* 'Ferndown' to be used as 'shelterbelt' species at 1.5m spacings. To be underplanted with *Veronica salicifolia* and *Griselinia littoralis*.

Note: All plants to be planted at 1m spacings





#### LEGEND

- A Street trees in the grass berms at 40 - 60m intervals. Placement of street trees indicative only. Exact position to be determined during detailed design.
- B 1.5m wide footpath
- C 11m wide asphalt carriageway

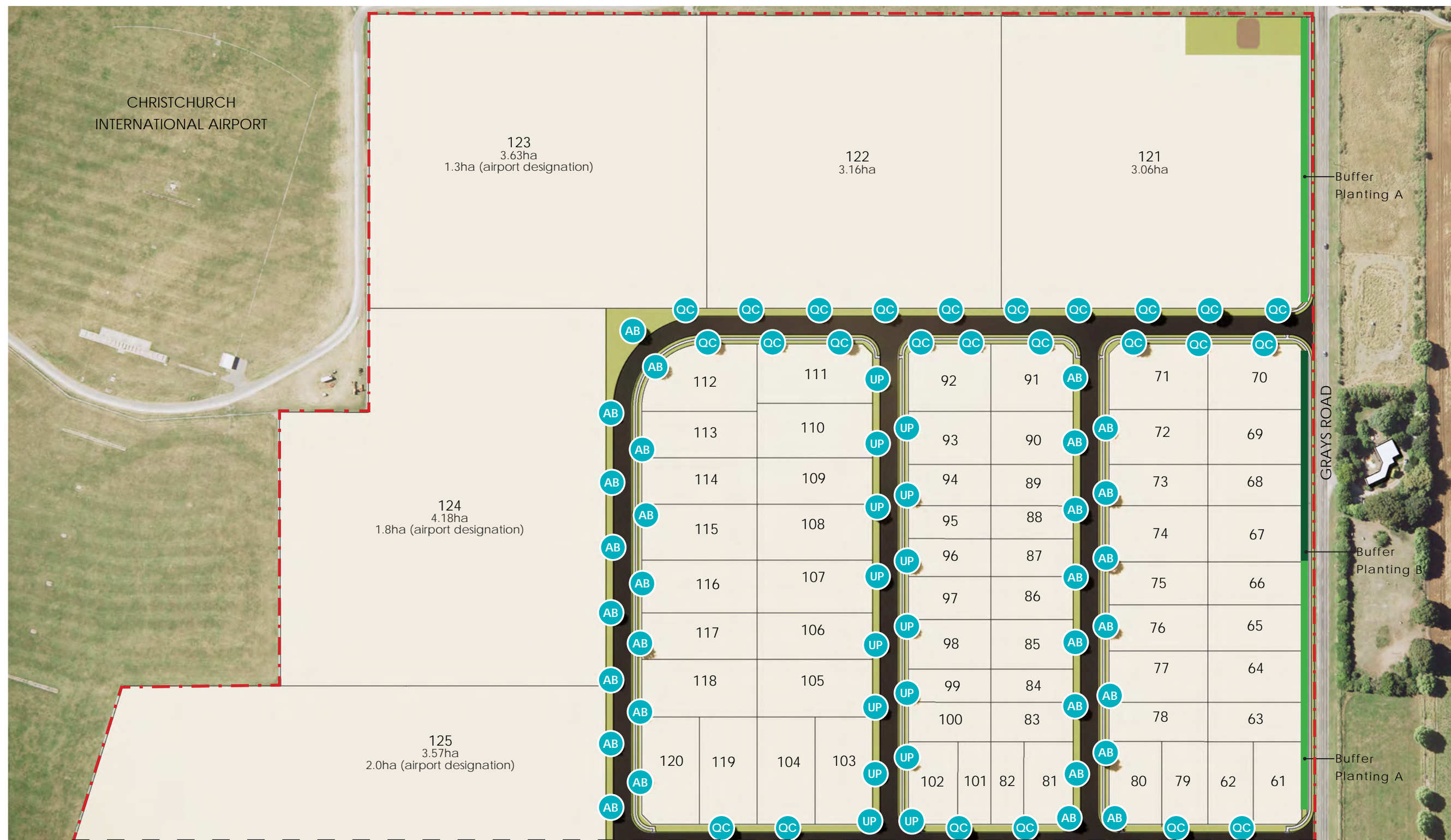
#### A. 21.5M WIDE ROAD RESERVE (NTS)

## ROAD RESERVE SECTION

APPENDIX 2 - LANDSCAPE AND VISUAL IMPACT ASSESSMENT - GRAPHIC SUPPLEMENT

2024\_051 CARTER GROUP 104 RYANS ROAD - LVIA APPENDIX\_L



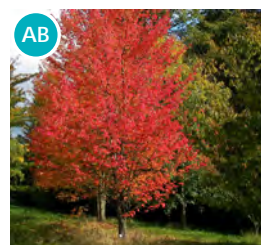


A. PLANTING LAYOUT SHEET 1

REFER PLANTING LAYOUT SHEET 2 (PG 28)

## LEGEND

- Buffer Planting A (Refer page 29 for detail)
- Buffer Planting B (Refer page 29 for detail)



Upright Red Maple  
(*Acer 'bowhall'*)



Frontier Elm  
(*Ulmus parvifolia*  
'Frontier')



Scarlet Oak  
(*Quercus*  
*coccinea*)

Note: Street tree locations indicative only, to be confirmed at detailed design stage to ensure they meet the required driveway, lighting, intersection and services offsets.

Trees spaced approximately 40m apart.

# INDICATIVE LANDSCAPE PLAN 001

APPENDIX 2 - LANDSCAPE AND VISUAL IMPACT ASSESSMENT - GRAPHIC SUPPLEMENT





## A. PLANTING LAYOUT SHEET 2

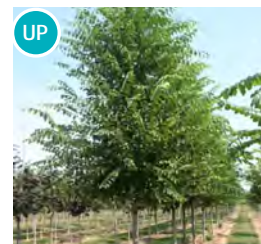
### LEGEND

Buffer Planting A (Refer page 29 for detail)

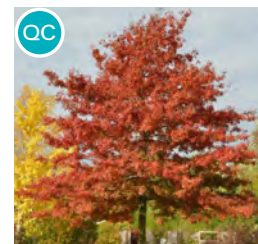
Buffer Planting B (Refer page 29 for detail)



Upright Red Maple  
(*Acer 'bowhall'*)



Frontier Elm  
(*Ulmus parvifolia*  
'Frontier')



Scarlet Oak  
(*Quercus*  
*coccinea*)

Note: Street tree locations indicative only, to be confirmed at detailed design stage to ensure they meet the required driveway, lighting, intersection and services offsets.

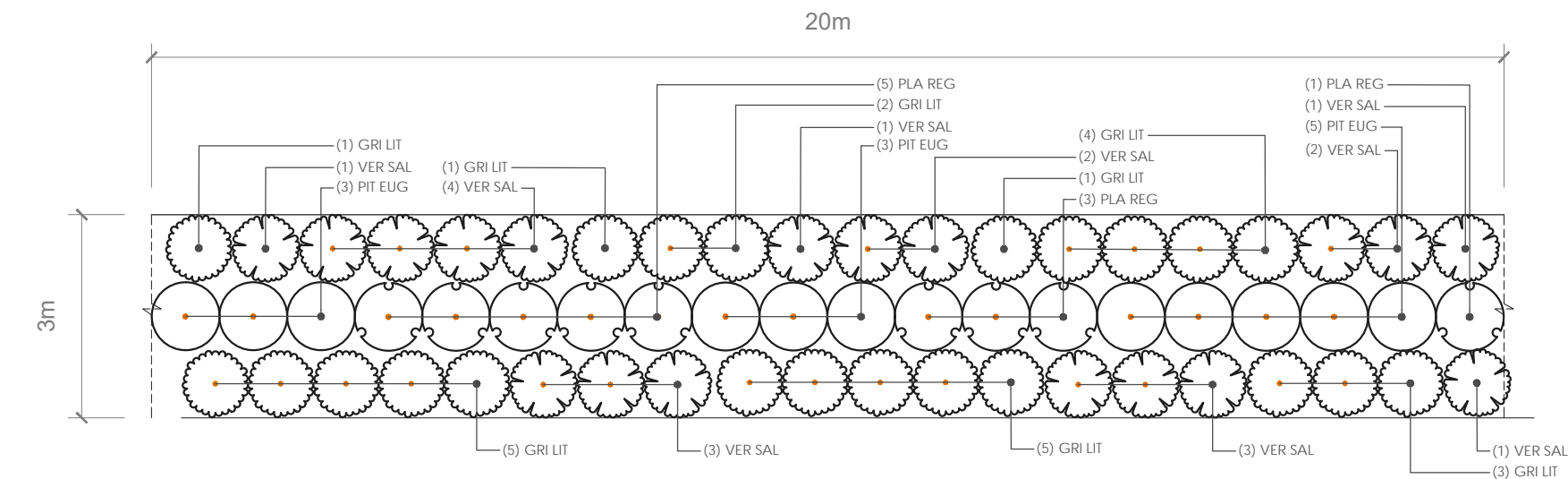
Trees spaced approximately 40m apart.

# INDICATIVE LANDSCAPE PLAN 002

APPENDIX 2 - LANDSCAPE AND VISUAL IMPACT ASSESSMENT - GRAPHIC SUPPLEMENT

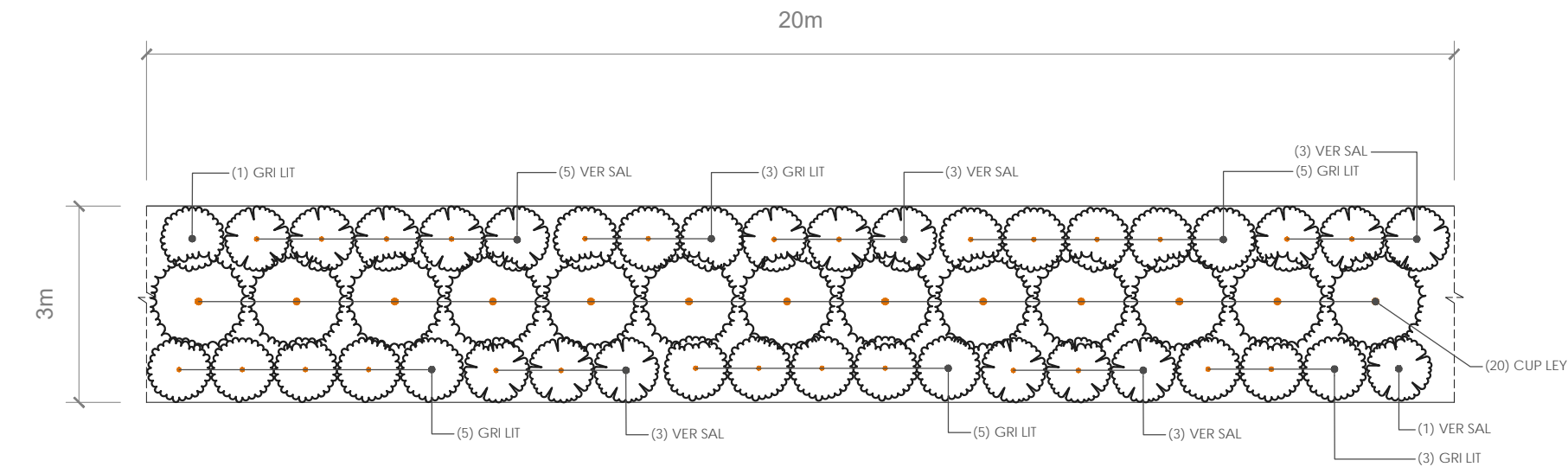
2024\_051 CARTER GROUP 104 RYANS ROAD - LVIA APPENDIX\_L





Code	Species	Grade	Spacing	Mature Height x Width	Quantity per 20m
GRI LIT	<i>Griselinia littoralis</i>	6L	1m	6m x 2.5m	22
PIT EUG	<i>Pittosporum eugenoides</i>	12L	1m	12m x 3m	11
PLA REG	<i>Plagianthus regius</i>	12L	1m	12m x 4m	9
VER SAL	<i>Veronica salicifolia</i>	2.5L	1m	4m x 2m	18

A. PLANTING DETAIL (1:100 @ A3): BUFFER PLANTING A

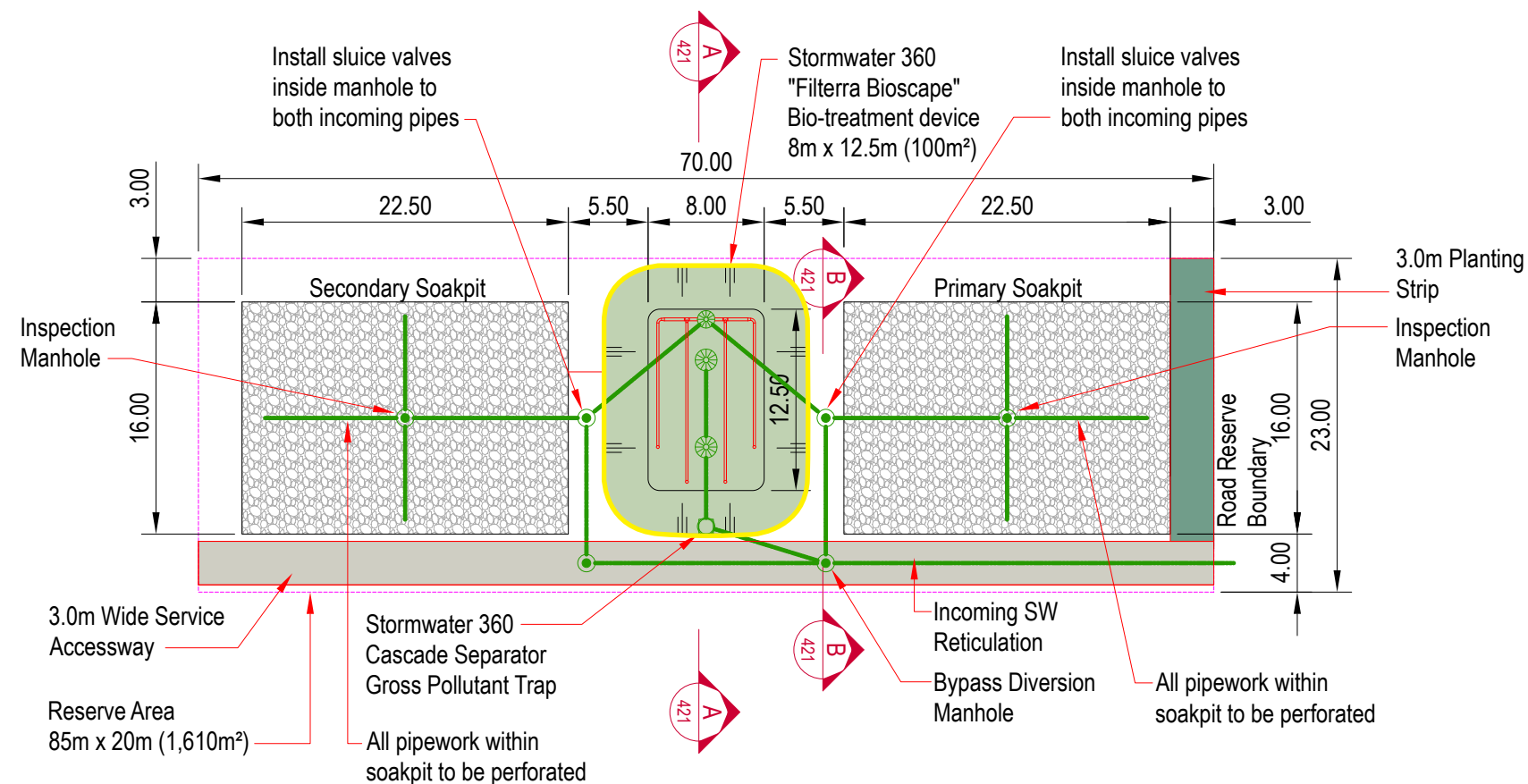


Code	Species	Grade	Spacing	Mature Height x Width	Quantity per 20m
CUP LEY	<i>Cupressus x leylandii</i> 'Ferndown'	25L	1.5m	30m x 7m	13
GRI LIT	<i>Griselinia littoralis</i>	6L	1m	6m x 2.5m	22
VER SAL	<i>Veronica salicifolia</i>	2.5L	1m	4m x 2m	18

B. PLANTING DETAIL (1:100 @ A3): BUFFER PLANTING B

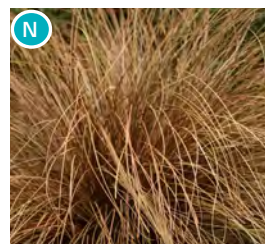
## LANDSCAPE PLAN - BUFFER PLANTING DETAILS





**BIOFILTRATION SYSTEM LOT 201 PLAN**

## PLANTING



Glen Murray tussock  
(*Carex flagellifera*)

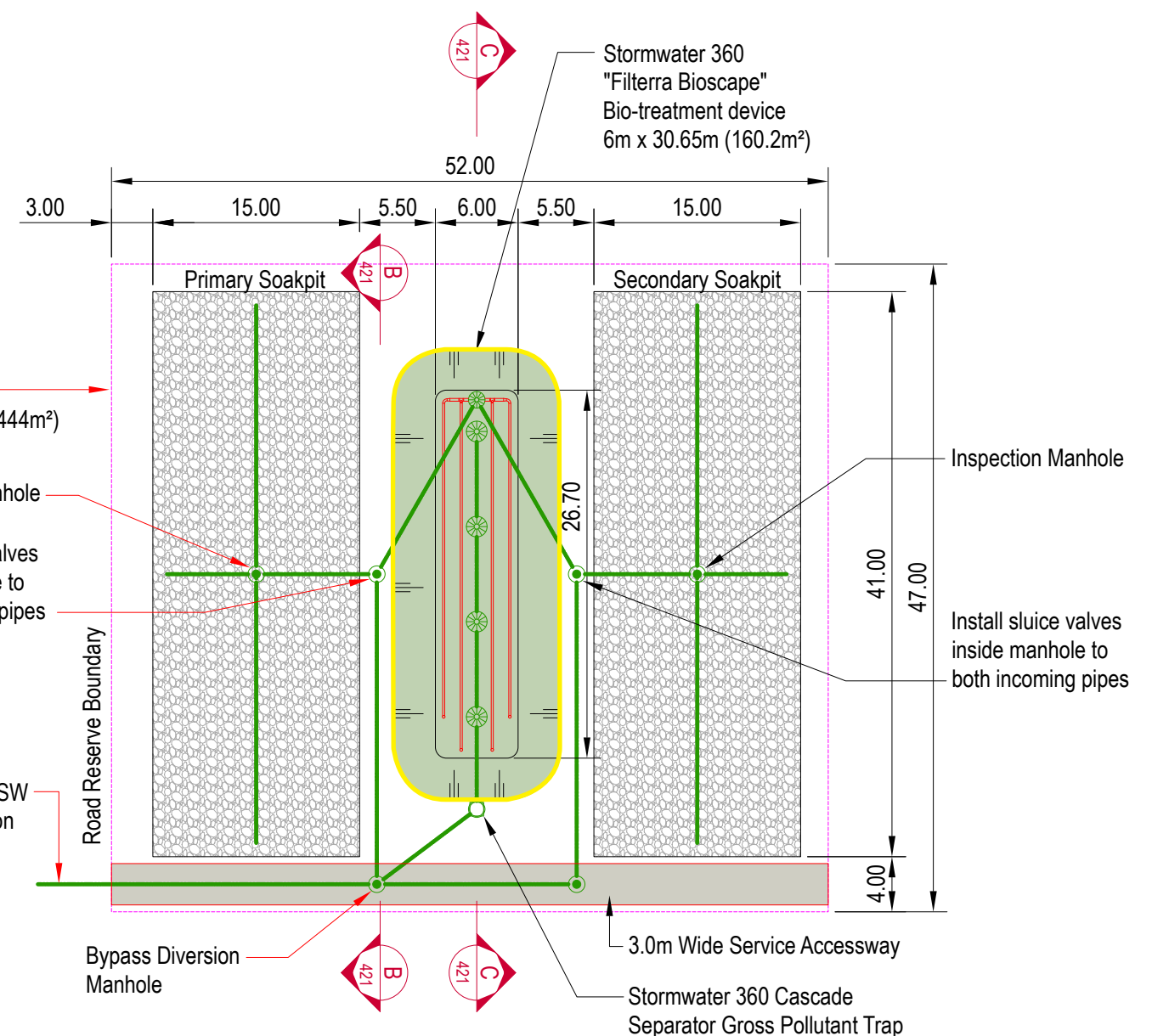


Orange Sedge  
(*Carex testacea*)



Swamp sedge,  
purei  
(*Carex virgata*)

Note: To be planted at 1m spacings unless otherwise specified by Stormwater360. Plant species to be mixed and randomly distributed throughout each area. Approximately 100m² of planting for Lot 201 and 160.2m² of planting for Lot 200.



**BIOFILTRATION SYSTEM LOT 200 PLAN**

# LANDSCAPE PLAN - BIOFILTRATION SYSTEM PLANS

APPENDIX 2 - LANDSCAPE AND VISUAL IMPACT ASSESSMENT - GRAPHIC SUPPLEMENT



LEGEND

- - - Site Boundary
- 20m building height
- 16m building height
- 15m building height
- 12m building height
- 10m building height
- 4.5m high storage
- 3.5m high storage
- REPA

Note:

- Buildings are indicative only and reflect potential buildings that could be developed on each site.
- Lot 121 and 122 buildings have been rotated 2° counter clockwise as recommended by the 'Technical Safeguarding Assessment of Air Navigation Equipment' by Cyrrus.

Non buildable area (DVOR Restrictions)

Non buildable area (REPA)

Non buildable area (ILS)

5m setback (with 3m vegetation buffer) along Ryans Road

12m height limit for first 10m along Ryans Road

5m setback (with 3m vegetation buffer) along Grays Road

client / project name: CARTER GROUP / 104 RYANS ROAD  
drawing name: **INDICATIVE BUILDING FOOTPRINT PLAN**  
designed by: HB  
drawn by: TM / HB  
original issue date: 30 SEPTEMBER 2025  
scale: 1:4000 @ A3

revision no:	amendment:
A	Issue for Comment
B	Amendments - client comment
C	Amendments - client comment
D	Amendments - client comment

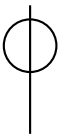
approved	date
DCM	30/09/2025
HB	02/10/2025
HB	06/10/2025
HB	18/11/2025



REGISTERED  
LANDSCAPE  
ARCHITECT



DCM URBAN DESIGN LIMITED  
10/245 ST ASAPH STREET  
CHRISTCHURCH 8011  
WWW.DCMURBAN.COM



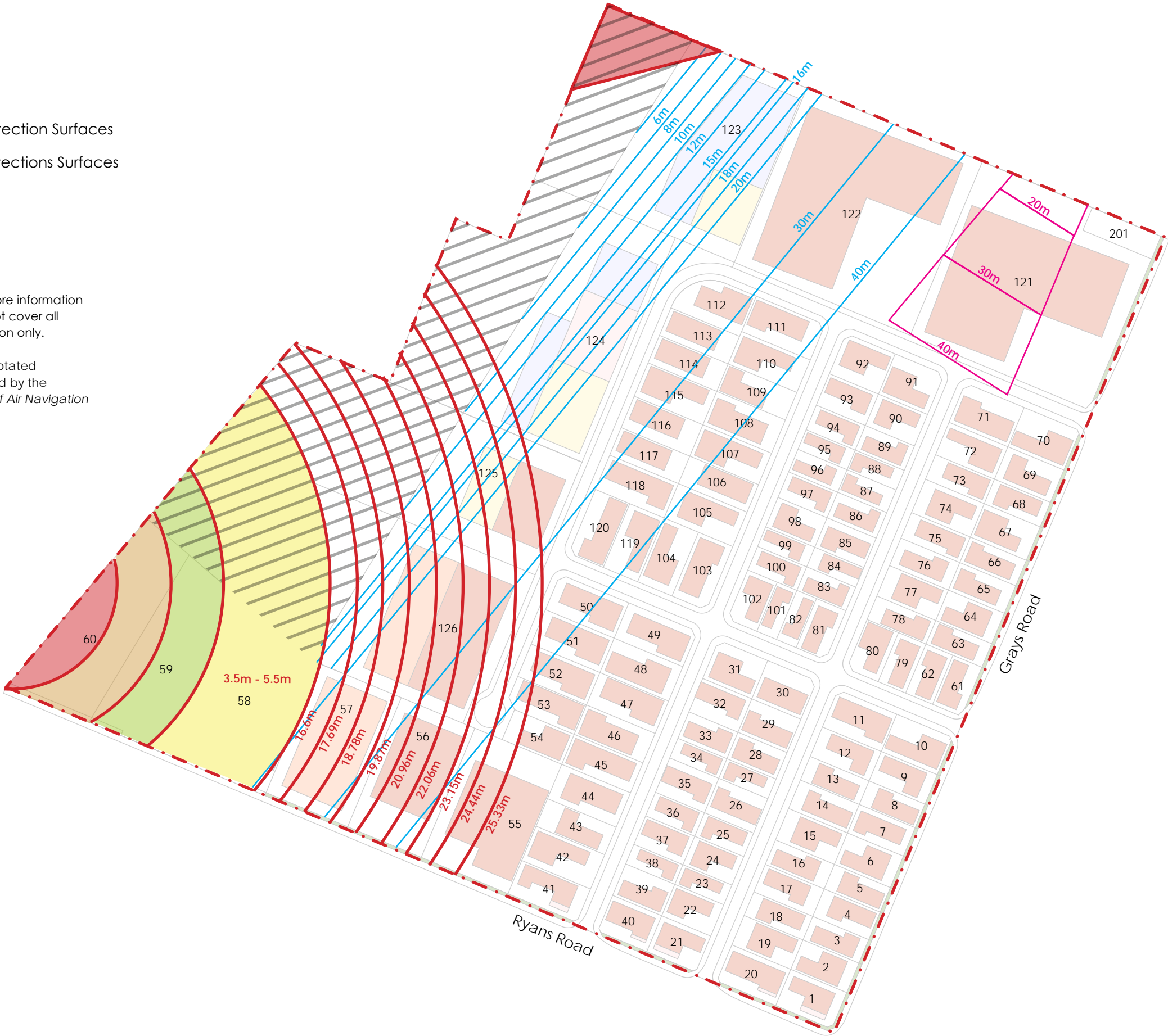


LEGEND

- - - Site Boundary
- REPA
- DVOR Restrictions
- CIAL Runway Approach Protection Surfaces
- Garden City Helicopters Protections Surfaces
- ILS Zone

Note:

- Please refer to Capture Plan Set for more information on height restrictions. This plan does not cover all height restrictions and is a representation only.
- Lot 121 and 122 buildings have been rotated 2° counter clockwise as recommended by the 'Technical Safeguarding Assessment of Air Navigation Equipment' by Cyrus.



client / project name: CARTER GROUP / 104 RYANS ROAD  
drawing name: **HEIGHT LIMITATION PLAN**  
designed by: HB  
drawn by: TM / HB  
original issue date: 30 SEPTEMBER 2025  
scale: 1:4000 @ A3

revision no:	amendment:
A	Issue for Comment
B	Amendments - client comment
C	Amendments - client comment
D	Amendments - client comment

approved	date
DCM	30/09/2025
HB	02/10/2025
HB	06/10/2025
HB	18/11/2025



REGISTERED  
LANDSCAPE  
ARCHITECT



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