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|---|-------------------|
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|  | PROP BDY |
|  | TOP OF BATTER |
|  | BOTTOM OF BATTER |
|  | PR RETAINING WALL |
|  | PR WETLAND |
|  | RESERVE AREA |
|  | PR RAIN GARDEN |
|  | PROP SWCP SINGLE |
|  | PROP STREET LIGHT |
|  | PROP STREET SIGN |
|  | ROAD NAME SIGN |
|  | STREET TREE |

A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
	By	Date	
Survey	TECH SP	02/2025	
Design	RH	06/2026	
Drawn	RH	06/2026	
Checked	BB	07/2026	

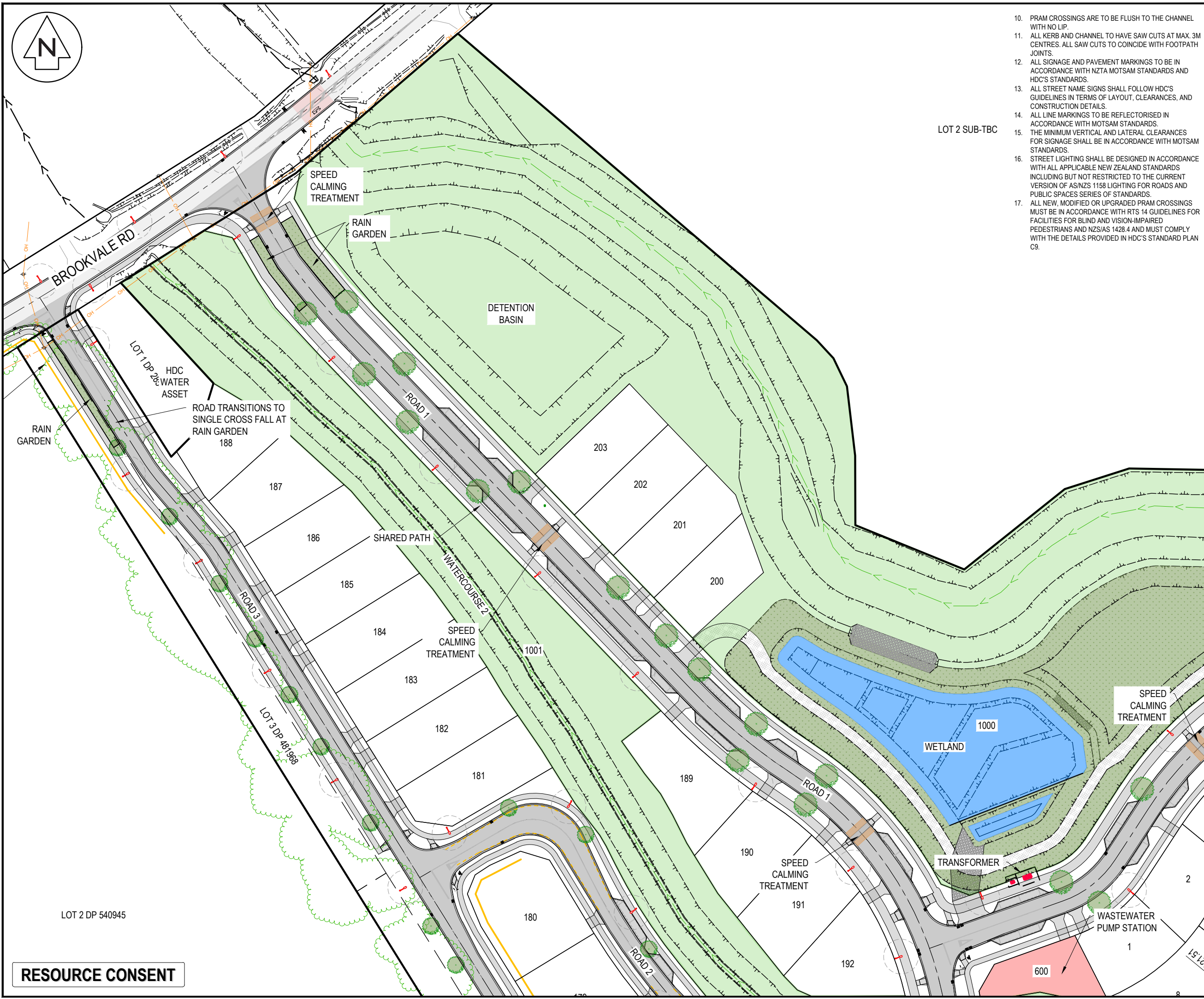
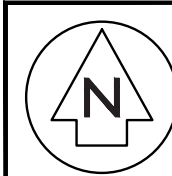


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
ROADING OVERVIEW
PLAN**

Project no.	135041		
Scale	1:3000 @ A3		
Cad file	135041-C300.DWG		
Drawing no.	C300-0	Rev	A

RESOURCE CONSENT



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	RESERVE AREA
	PR RAIN GARDEN
	PROP SWCP SINGLE
	PROP STREET LIGHT
	PROP STREET SIGN
	ROAD NAME SIGN
	STREET TREE

A	SUBSTANTIVE APPLICATION	RH	06/2026
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Title
**PROPOSED
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Project no.	135041
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Drawing no.	C300-1
Rev	A

RESOURCE CONSENT



LOT 21 DP 3449

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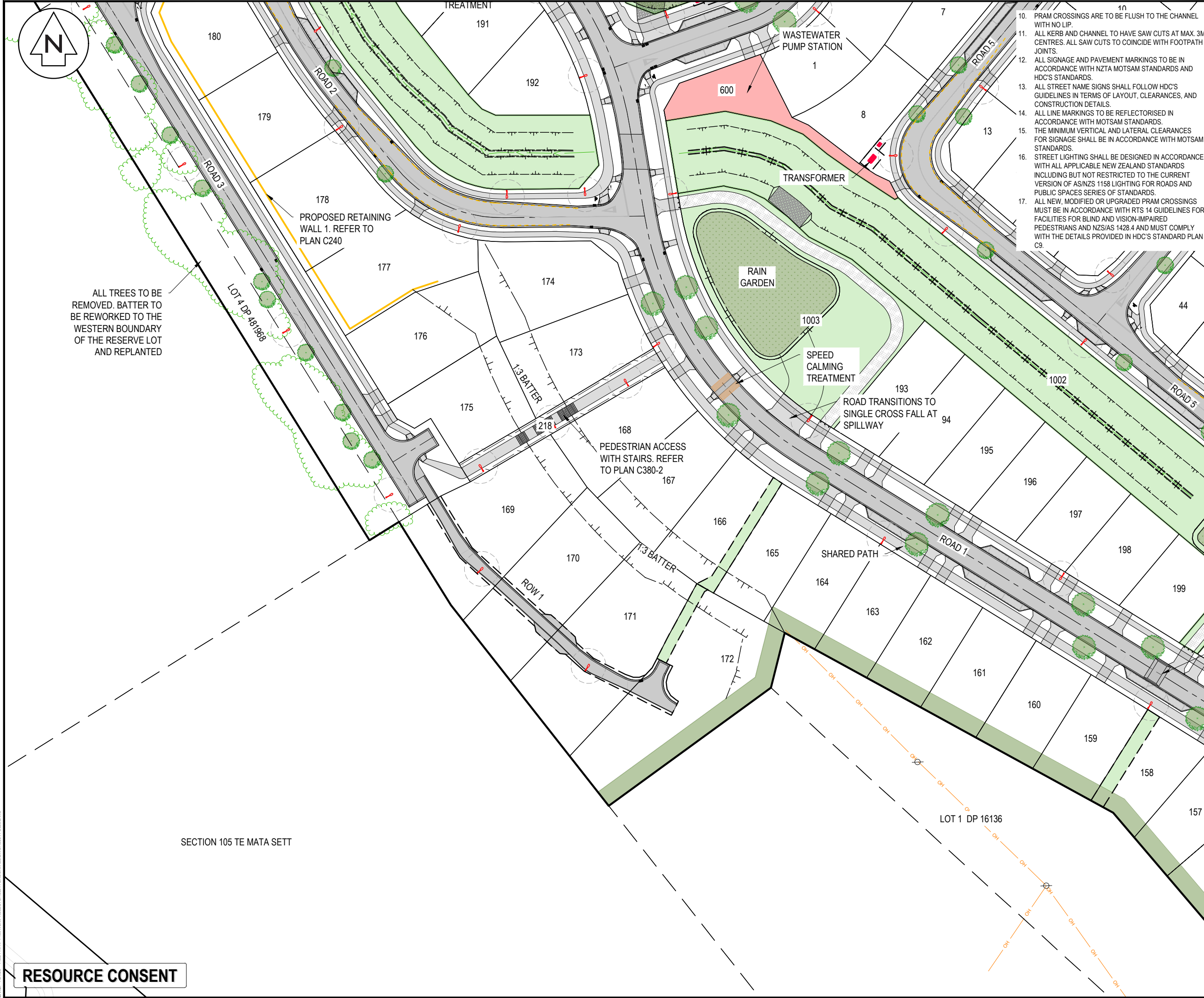
Project
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HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
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PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C300.DWG
Drawing no.	C300-2
Rev	A

RESOURCE CONSENT

DATE: 7/2/26 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\135041-C300.DWG



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Project
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Title PROPOSED ROADING PLAN	
Project no.	135041
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Cad file	135041-C300.DWG
Drawing no.	C300-3
Rev	A

ALL TREES TO BE REMOVED. BATTER TO BE REWORKED TO THE WESTERN BOUNDARY OF THE RESERVE LOT AND REPLANTED

PROPOSED RETAINING WALL 1. REFER TO PLAN C240

TRANSFORMER

RAIN GARDEN

SPEED CALMING TREATMENT

ROAD TRANSITIONS TO SINGLE CROSS FALL AT SPILLWAY

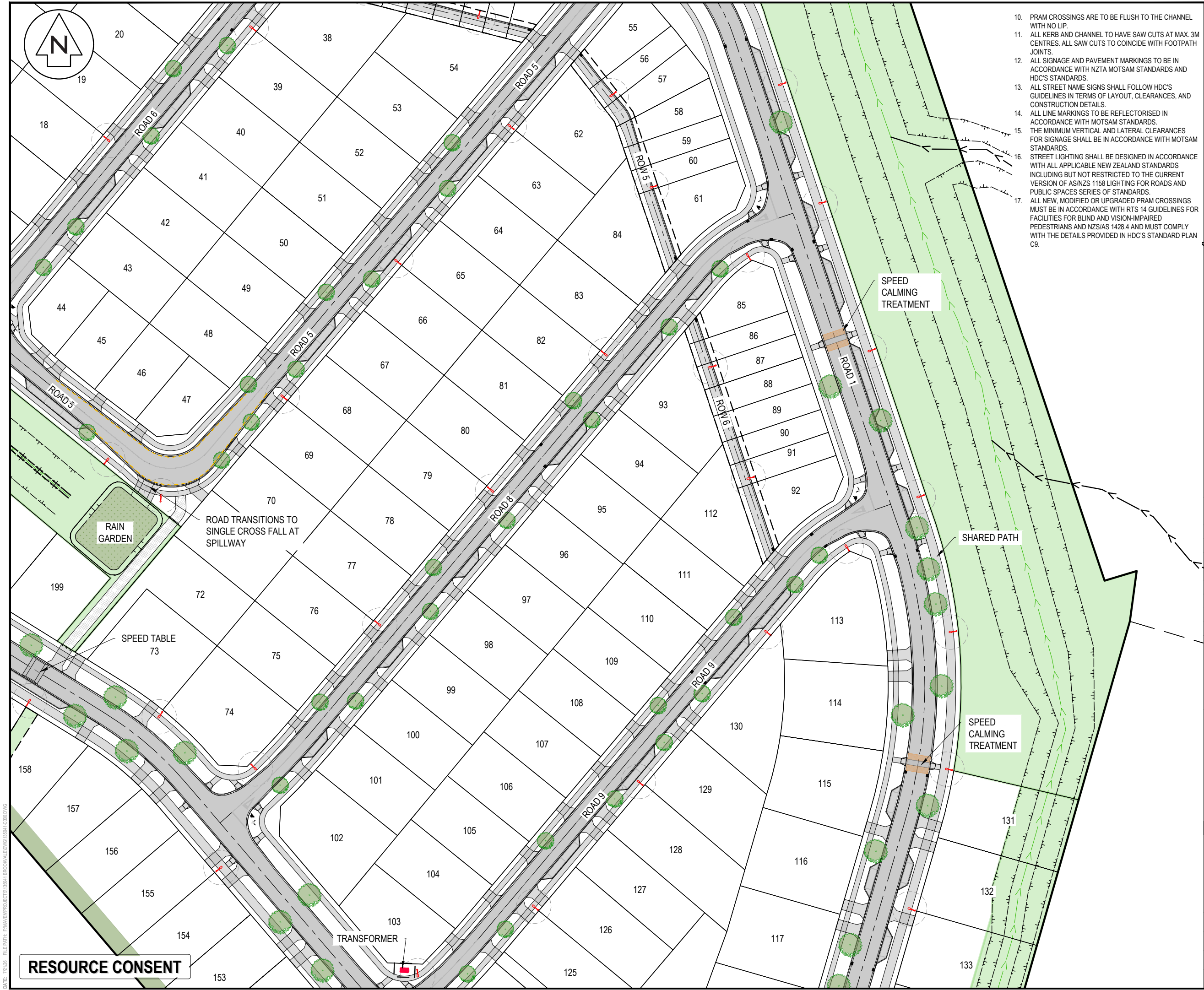
PEDESTRIAN ACCESS WITH STAIRS. REFER TO PLAN C380-2

SHARED PATH

SECTION 105 TE MATA SETT

RESOURCE CONSENT

DATE: 7/2/26 FILE PATH: F:\Maven\PROJECTS\135041 BROOKVALE.DWG\03041-C300.DWG



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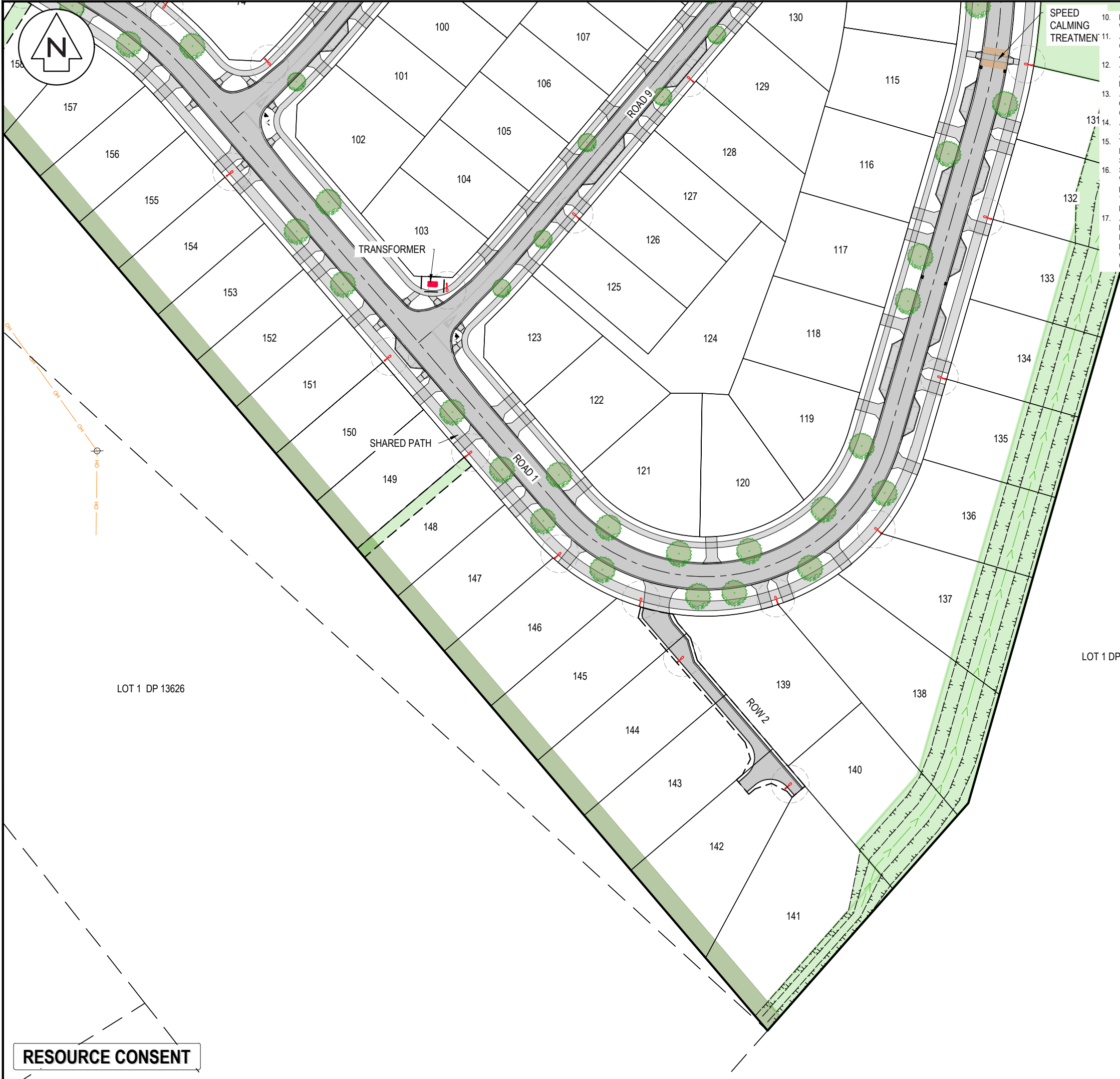
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LEGEND

	EX BDY ABUTTAL
	PROP BDY
	TOP OF BATTER
	BOTTOM OF BATTER
	PR RETAINING WALL
	PR WETLAND
	RESERVE AREA
	PR RAIN GARDEN
	PROP SWCP SINGLE
	PROP STREET LIGHT
	PROP STREET SIGN
	ROAD NAME SIGN
	STREET TREE

A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026

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www.maven.co.nz
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Auckland 1023

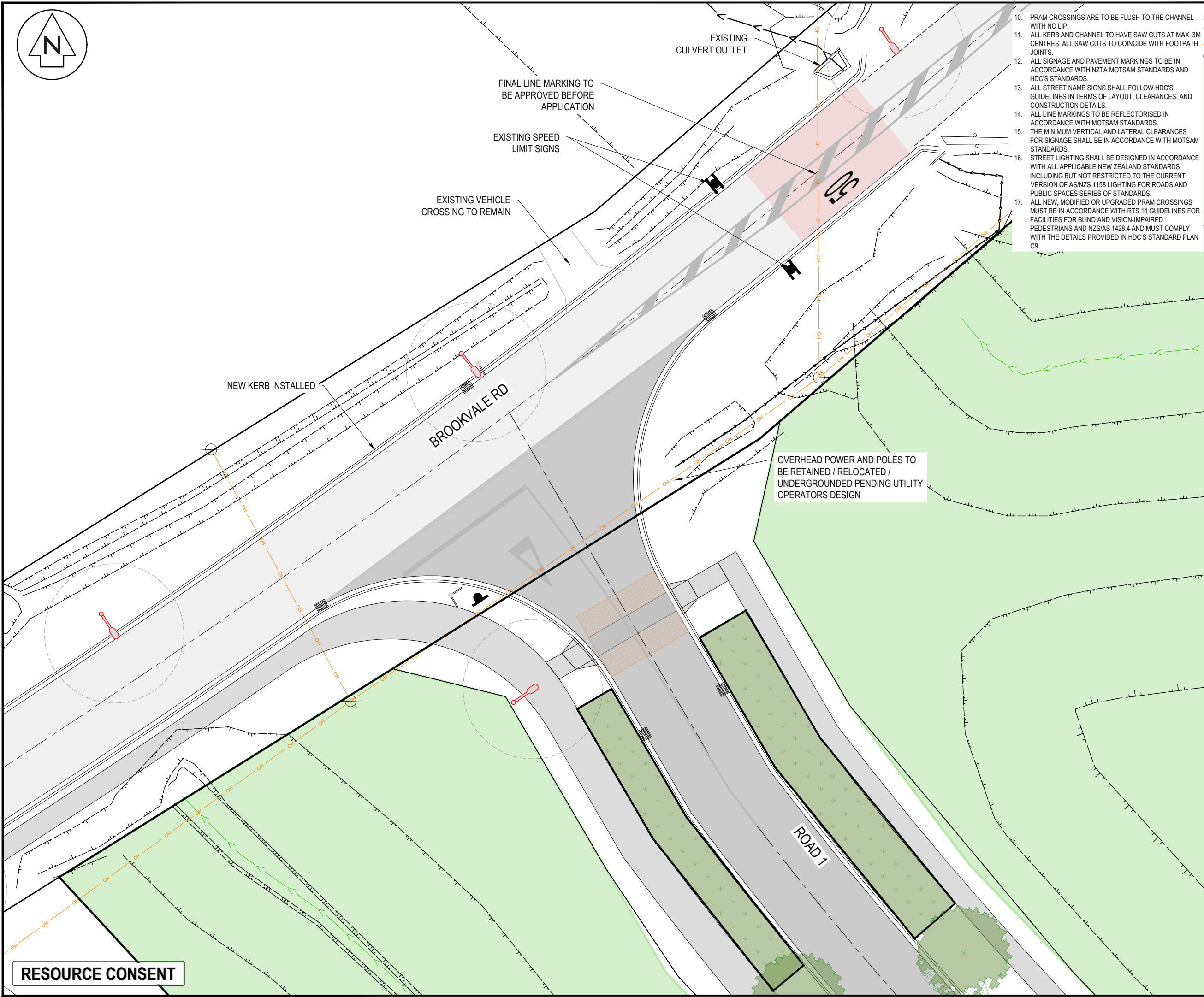
Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
ROADING
PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C300.DWG
Drawing no.	C300-6
Rev	A

RESOURCE CONSENT

DATE: 7/2/26 FILE PATH: F:\MVEN\PROJECTS\135041 BROOKVALE.DWG\0300.DWG



- 10. PRAM CROSSINGS ARE TO BE FLUSH TO THE CHANNEL WITH NO LIP.
- 11. ALL KERB AND CHANNEL TO HAVE SAW CUTS AT MAX. 3M CENTRES. ALL SAW CUTS TO COINCIDE WITH FOOTPATH JOINTS.
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A		SUBSTANTIVE APPLICATION	RH	06/2026
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Title
**PROPOSED
ROADING
PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C300.DWG
Drawing no.	C300-7
Rev	A

RESOURCE CONSENT



EXISTING VEHICLE
CROSSING TO REMAIN

BROOKVALE RD

NEW KERB INSTALLED

OVERHEAD POWER AND POLES TO
BE RETAINED / RELOCATED /
UNDERGROUNDED PENDING UTILITY
OPERATORS DESIGN

PROPOSED NEW PUMP
STATION ENTRANCE

PROPOSED RETAINING
WALL 3. REFER TO
PLAN C240

EXISTING VEGETATION

EXISTING VEGETATION

ALL TREES TO BE
REMOVED. BATTER TO
BE REWORKED TO THE
WESTERN BOUNDARY
OF THE RESERVE LOT
AND REPLANTED

COUNCIL
RESERVE LOT

HDC
WATER
ASSET

ROAD TRANSITIONS TO
SINGLE CROSS FALL AT
RAIN GARDEN

PROPOSED NEW PUMP
STATION ENTRANCE

ROAD 3

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- PROP STREET SIGN
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A	SUBSTANTIVE APPLICATION	RH	06/2026
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Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
ROADING
PLAN**

Project no.	135041
Scale	1:250 @ A3
Cad file	135041-C300.DWG
Drawing no.	C300-8
Rev	A

RESOURCE CONSENT

DATE: 7/2/26 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE.DWG\0300.DWG



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Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title	PROPOSED ROADING PLAN		
Project no.	135041		
Scale	1:500 @ A3		
Cad file	135041-C300.DWG		
Drawing no.	C300-9	Rev	A

NEW KERB AND FOOTPATH
FROM SITE TO ARATAKI ROAD

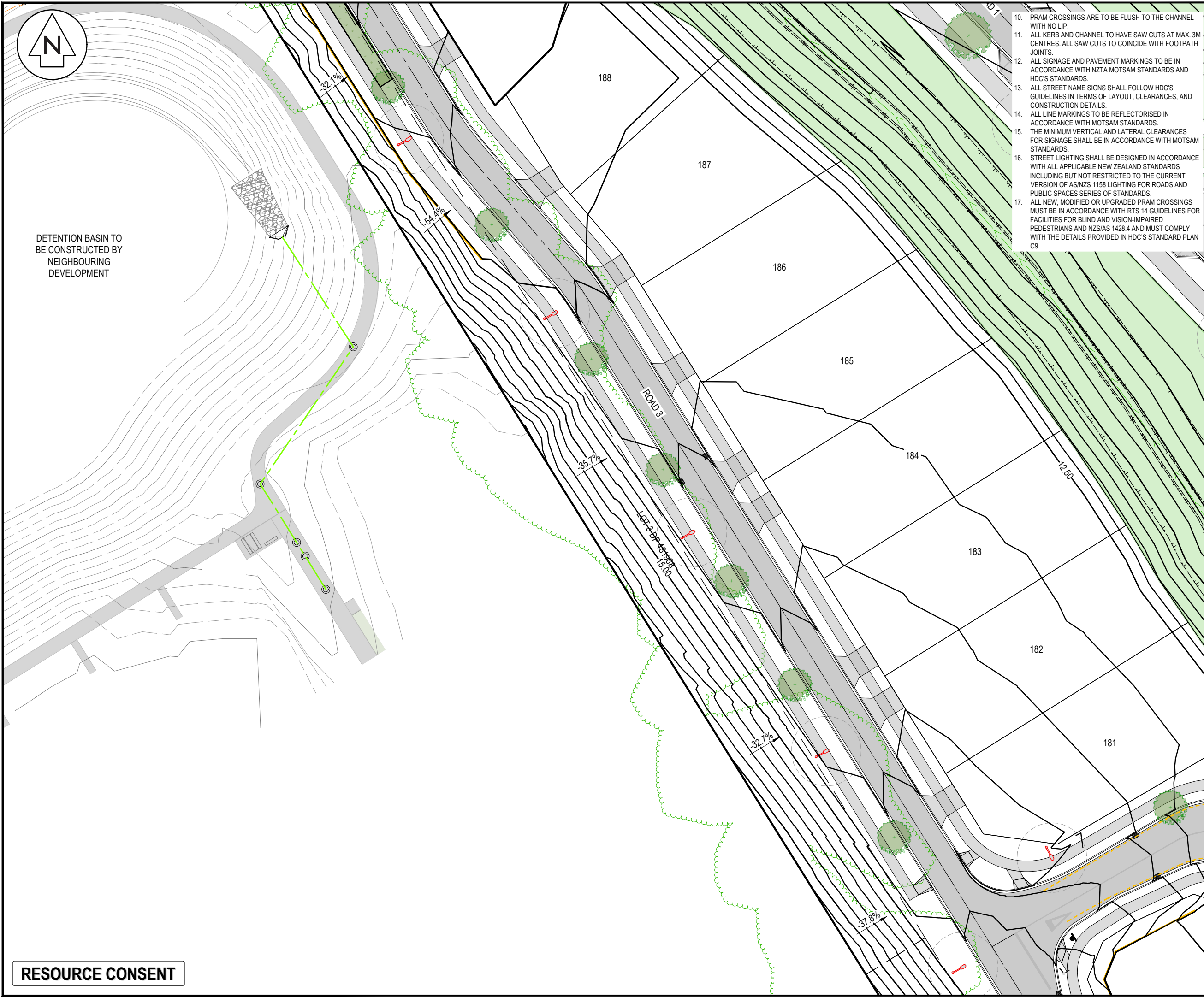
FOOTPATH CROSSES
INTO COUNCIL
RESERVE LOT VESTED
AS PART OF
NEIGHBOURING
SUBDIVISION

ALL TREES / VEGETATION TO BE
REMOVED TO ALLOW FOR FOOTPATH
CONSTRUCTION

OVERHEAD POWER AND POLES TO
BE RETAINED / RELOCATED /
UNDERGROUNDED PENDING UTILITY
OPERATORS DESIGN

DETENTION BASIN TO
BE CONSTRUCTED BY
NEIGHBOURING
DEVELOPMENT

RESOURCE CONSENT



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PROP STREET LIGHT
PROP STREET SIGN
ROAD NAME SIGN

STREET TREE

A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
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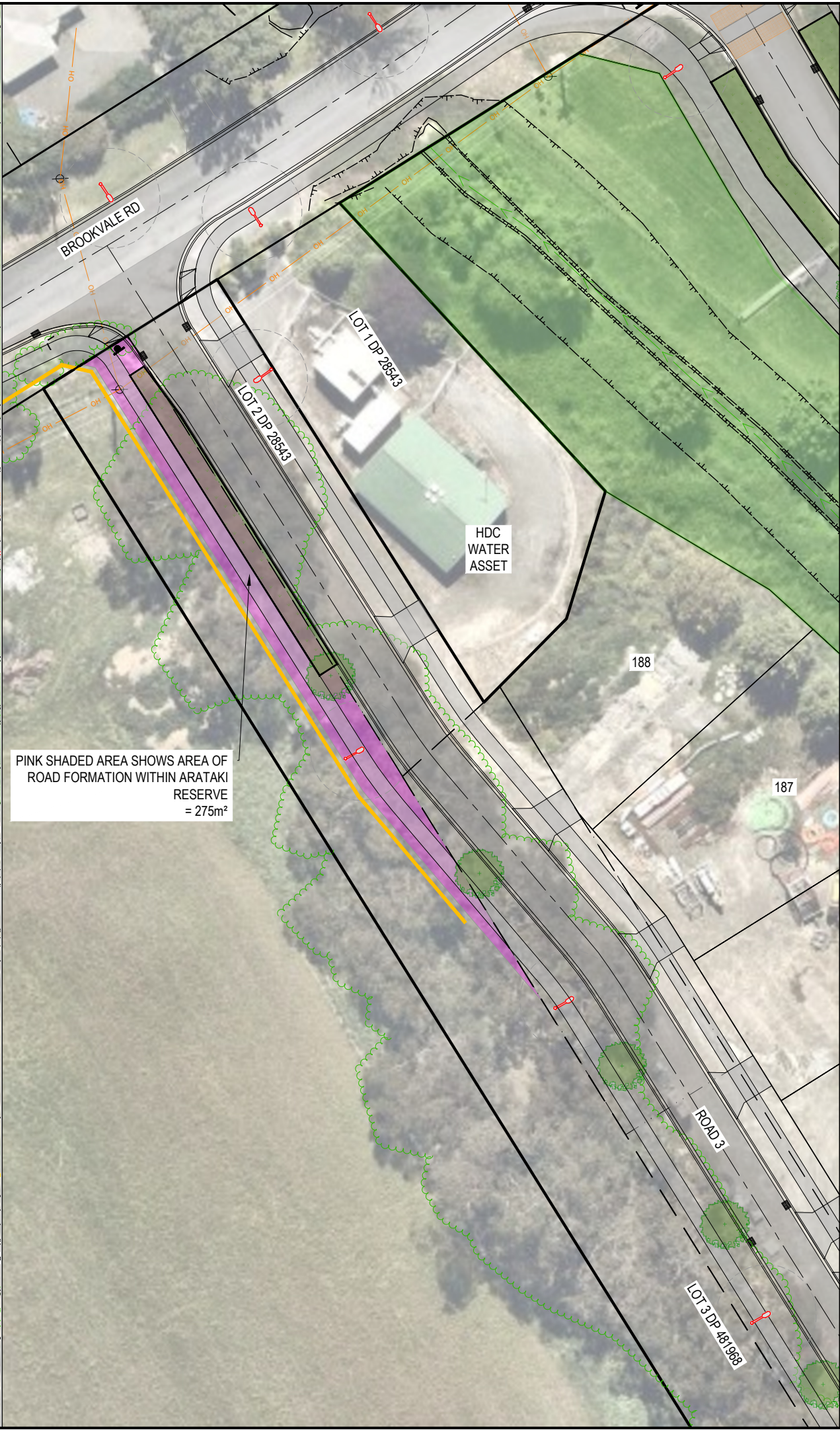
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Project
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PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
ROADING
PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C300.DWG
Drawing no.	C300-10
Rev	A

RESOURCE CONSENT



LEGEND	
	EX BDY ABUTTAL
	PROP BDY
	BATTER
	PR RETAINING WALL
	VEGETATION EXTENT
	EX OH POWER
	PR WETLAND
	RESERVE AREA
	PR RAIN GARDEN
	PROP SWCP SINGLE
	PROP STREET LIGHT
	PROP STREET SIGN
	ROAD NAME SIGN
	STREET TREE
	EX POWER POLE

A	SUBSTANTIVE APPLICATION	RH	07/2026
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Project
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Title
**PROPOSED ARATAKI
RESERVE LAND WORKS -
WORKS AREA**

Project no.	135041
Scale	
Cad file	135041-C301 RESERVE RD.DWG
Drawing no.	C301-1
Rev	A

FOR INFORMATION



LEGEND	
	EX BDY ABUTTAL
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Title
**PROPOSED ARATAKI
RESERVE LAND WORKS -
WORKS AREA EXTENT**

Project no.	135041
Scale	1:1250 @ A3
Cad file	135041-C301 RESERVE RD.DWG
Drawing no.	C301-2
Rev	A

Project no.	135041		
Scale			
Cad file	135041-C301 RESERVE RD.DWG		
Drawing no.	C301-3	Rev	A

FOR INFORMATION



PINK SHADED AREA
SHOWS AREA OF
ROAD FORMATION
WITHIN ARATAKI
RESERVE

ARATAKI
RESERVE LAND
WORKS EXTENT

LOT 2 DP 540945

LOT 2 DP 26543

LOT 1 DP 26543

LOT 3 DP 481968

LOT 1 DP 939421

LOT 4 DP 481968

FOR INFORMATION

A	SUBSTANTIVE APPLICATION	BB	06/2026
Rev	Description	By	Date
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Survey	TECH SP	02/2025	
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Project
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Title
**PROPOSED ARATAKI
RESERVE LAND WORKS -
LAND WORKS**

Project no.	135041
Scale	1:1250 @ A3
Cad file	135041-C301 RESERVE RD.DWG
Drawing no.	C301-4
Rev	A



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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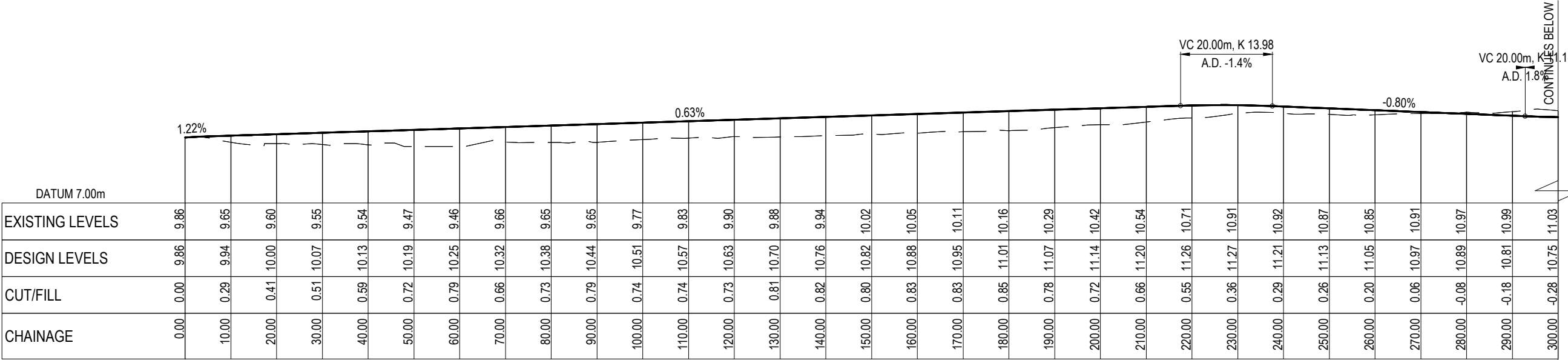
Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
ROADING CHAINAGE
OVERVIEW**

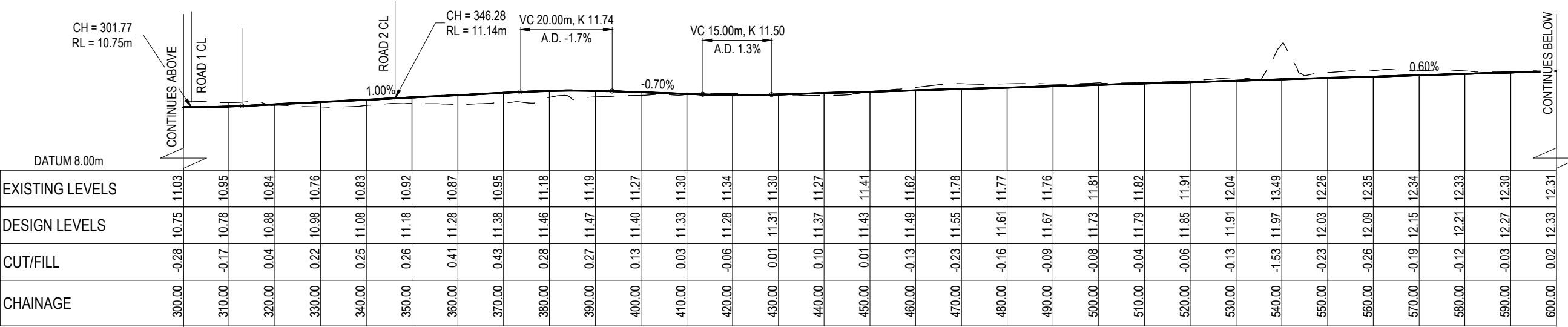
Project no.	135041		
Scale	1:2500 @ A3		
Cad file	135041-C320 RD LS.DWG		
Drawing no.	C320-0	Rev	A

RESOURCE CONSENT

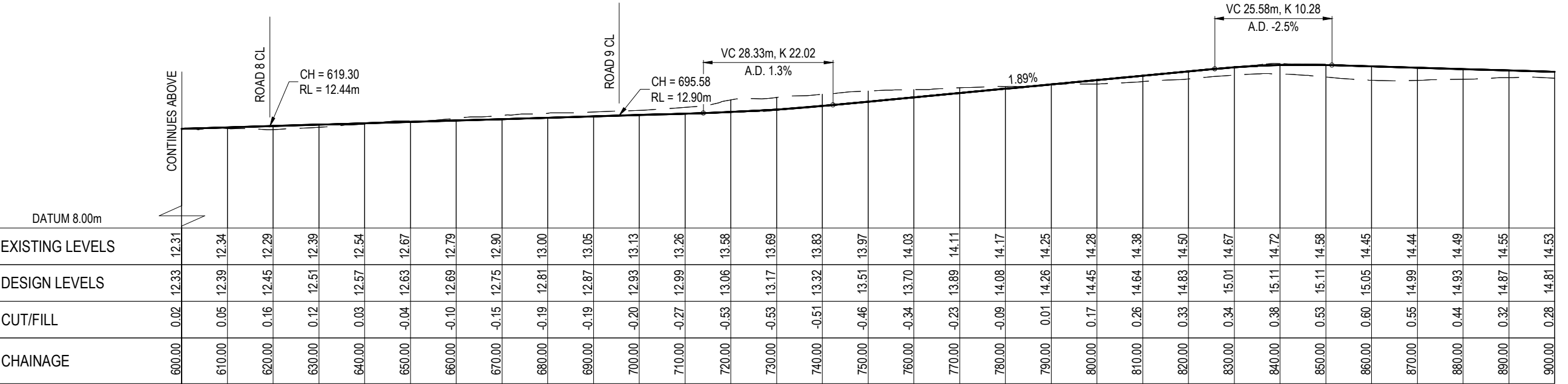
DATE: 7/2025 FILEPATH: F:\MAVEN\PROJECTS\135041-BROOKVALE\DWG\03041-C320-RD1-LS.DWG



PROPOSED ROAD 1 LONG SECTION
SCALE: HORI 1:1000 VERT 1:200



PROPOSED ROAD 1 LONG SECTION CONT.
SCALE: HORI 1:1000 VERT 1:200



PROPOSED ROAD1 LONG SECTION CONT. 1
SCALE: HORI 1:1000 VERT 1:200

RESOURCE CONSENT

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 10. SETOUT SCHEDULE WITH COORDINATES OF CHAINAGE POINTS ALONG ROAD CENTRELINE TO BE SUPPLIED TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
 11. REFER TO LONG SECTION FOR FINISHED CENTRELINE LEVELS. REFER TO TYPICAL CROSS SECTIONS TO OBTAIN LEVELS FOR OTHER LOCATIONS.
 12. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.

LEGEND

--- EX GROUND LEVEL

— PR GROUND LEVEL

A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026

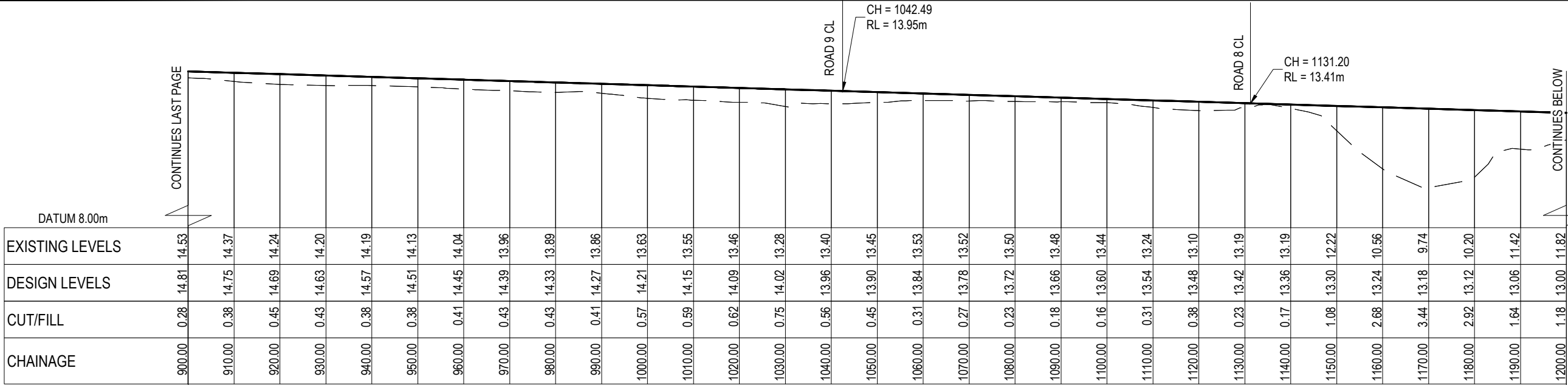


Project

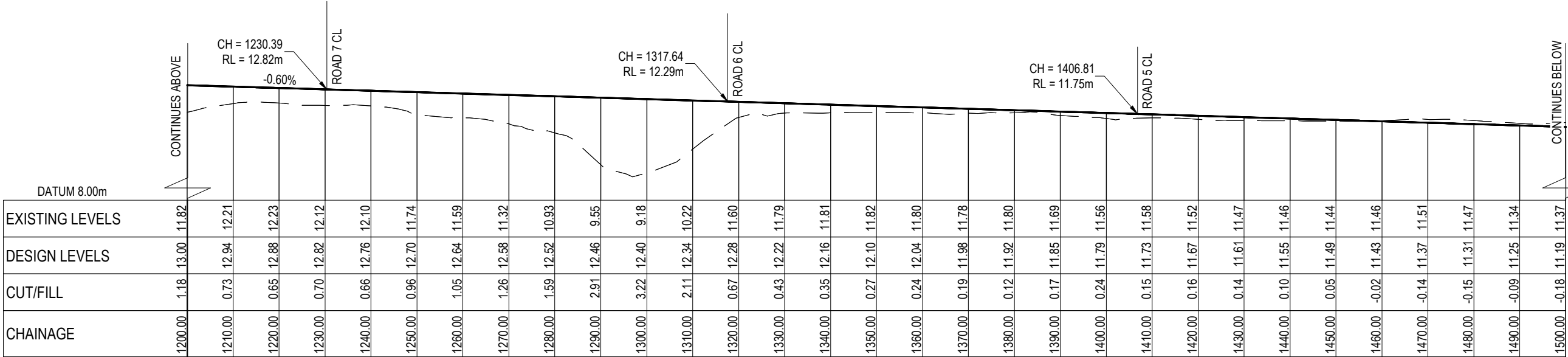
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title			
PROPOSED ROADING LONGSECTION			
Project no.	135041		
Scale	1:1 ORIG @ A3		
Cad file	135041-C320 RD LS.DWG		
Drawing no.	C320-1	Rev	A

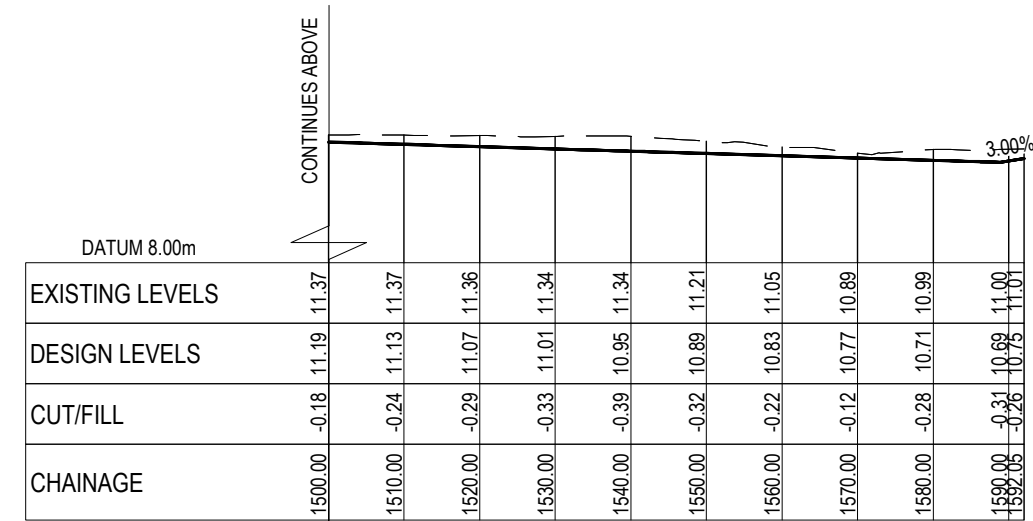
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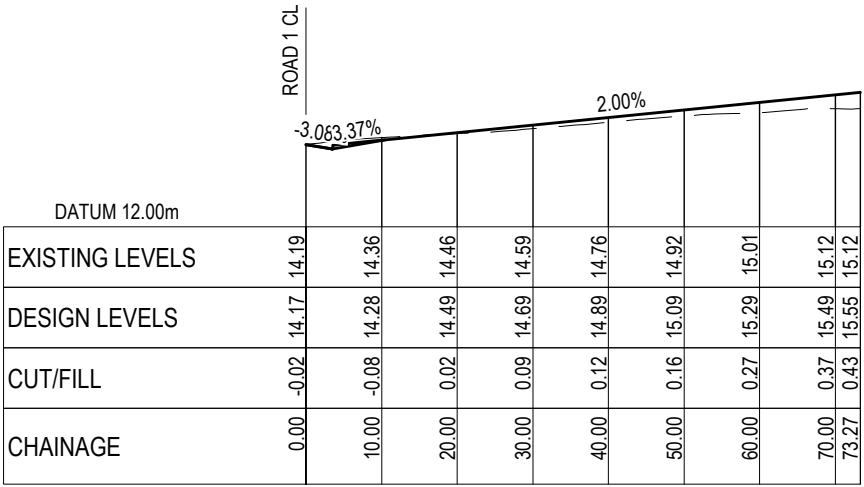
PROPOSED ROAD 1 LONG SECTION CONT
SCALE: HORI 1:1000 VERT 1:200



PROPOSED ROAD 1 LONG SECTION CONT..
SCALE: HORI 1:1000 VERT 1:200



PROPOSED ROAD 1 LONG SECTION CONT...
SCALE: HORI 1:1000 VERT 1:200



PROPOSED RIGHT OF WAY 2 LONG SECTION
SCALE: HORI 1:1000 VERT 1:200

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM HAWKES BAY 2000
 3. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016 .
 4. ORIGIN OF LEVELS = IT IV SO1837 SOURCED FROM THE LINZ DIGITAL GEODETIC DATABASE.
 5. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS ARE LESS THAN 1%.
 6. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 7. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
 8. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL FROM UTILITY OPERATORS BEFORE COMMENCING WORK UNDER OR NEAR THEIR SERVICES.
 9. FINAL PAVEMENT DESIGN SUBJECT TO CBR/BEAM TESTS ON SUBGRADE MATERIAL.
 10. SETOUT SCHEDULE WITH COORDINATES OF CHAINAGE POINTS ALONG ROAD CENTRELINE TO BE SUPPLIED TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
 11. REFER TO LONG SECTION FOR FINISHED CENTRELINE LEVELS. REFER TO TYPICAL CROSS SECTIONS TO OBTAIN LEVELS FOR OTHER LOCATIONS.
 12. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.

LEGEND

--- EX GROUND LEVEL

— PR GROUND LEVEL

A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026



Project

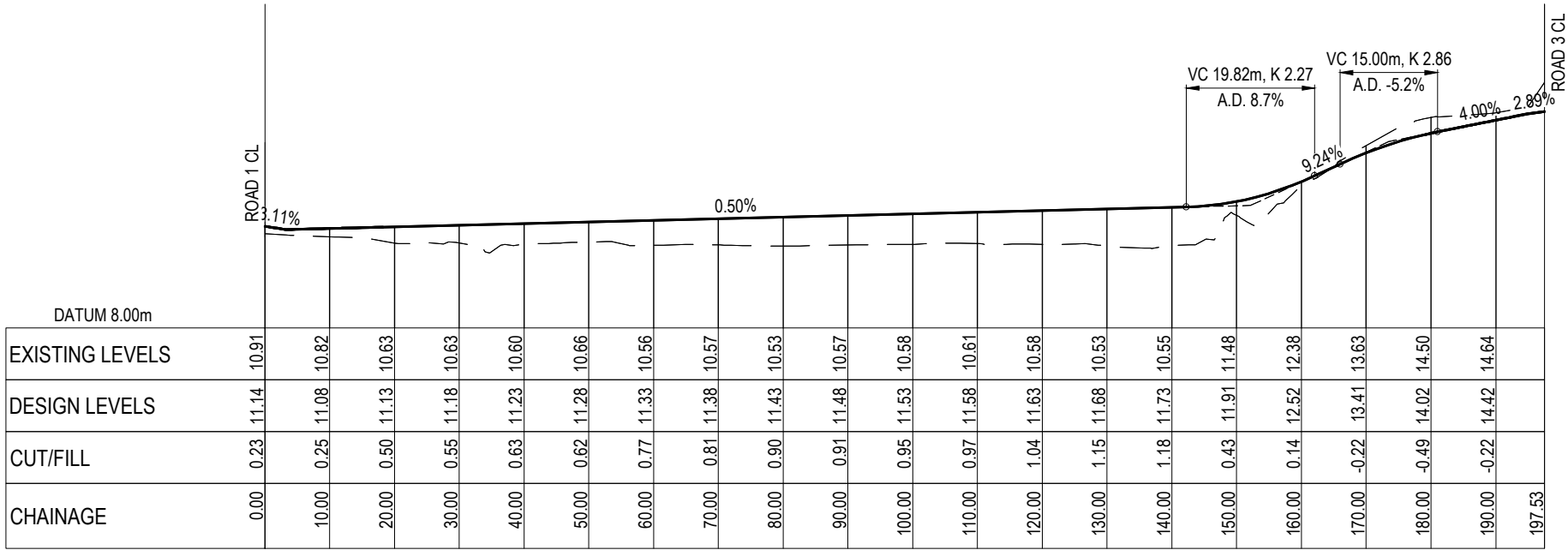
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title

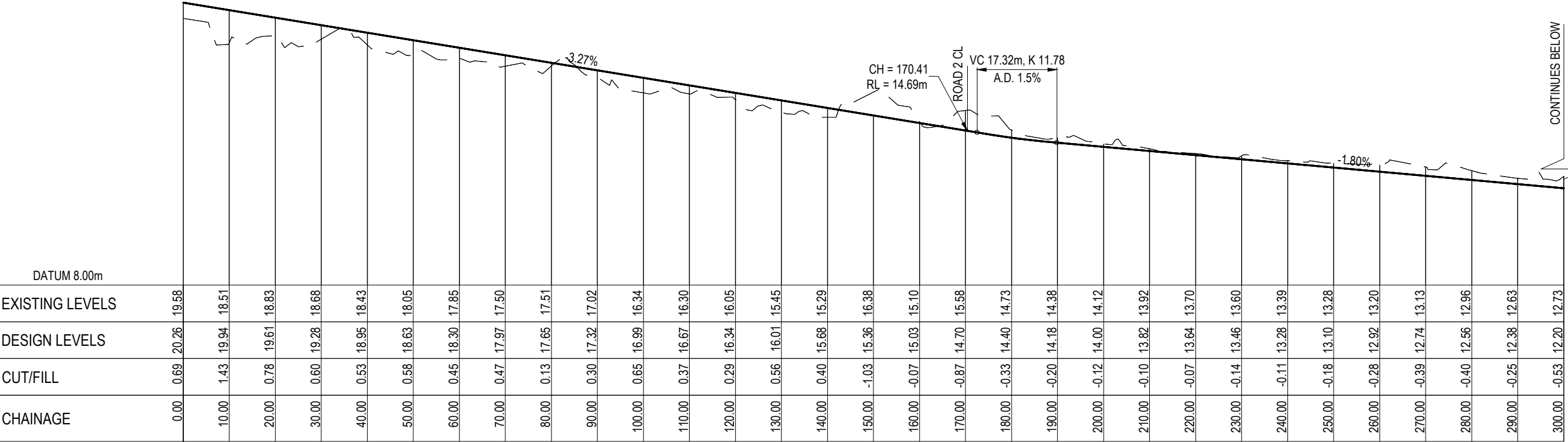
**PROPOSED
ROADING
LONGSECTION**

Project no.	135041		
Scale	1:1000 @ A3		
Cad file	135041-C320 RD LS.DWG		
Drawing no.	C320-2	Rev	A

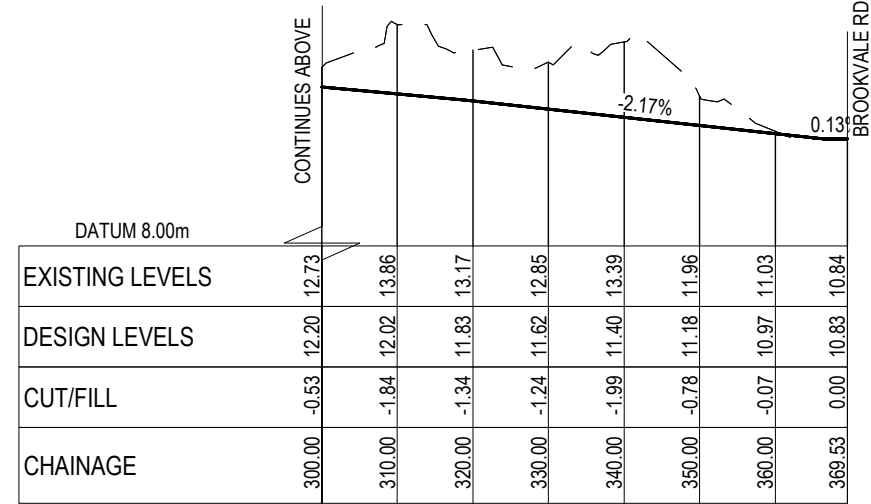
DATE: 7/9/25 FILE PATH: F:\MAVEN\PROJECTS\135041-BROOKVALE\DWG\135041-C320 RD LS.DWG



ROAD 2 LONG SECTION
SCALE: HORI 1:1000 VERT 1:200



ROAD 3 LONG SECTION
SCALE: HORI 1:1000 VERT 1:200



ROAD 3 LONG SECTION CONT.
SCALE: HORI 1:1000 VERT 1:200

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM HAWKES BAY 2000
 3. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016 .
 4. ORIGIN OF LEVELS = IT IV SO1837 SOURCED FROM THE LINZ DIGITAL GEODETIC DATABASE.
 5. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS ARE LESS THAN 1%.
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 11. REFER TO LONG SECTION FOR FINISHED CENTRELINE LEVELS. REFER TO TYPICAL CROSS SECTIONS TO OBTAIN LEVELS FOR OTHER LOCATIONS.
 12. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.

LEGEND
--- EX GROUND LEVEL
— PR GROUND LEVEL

A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026

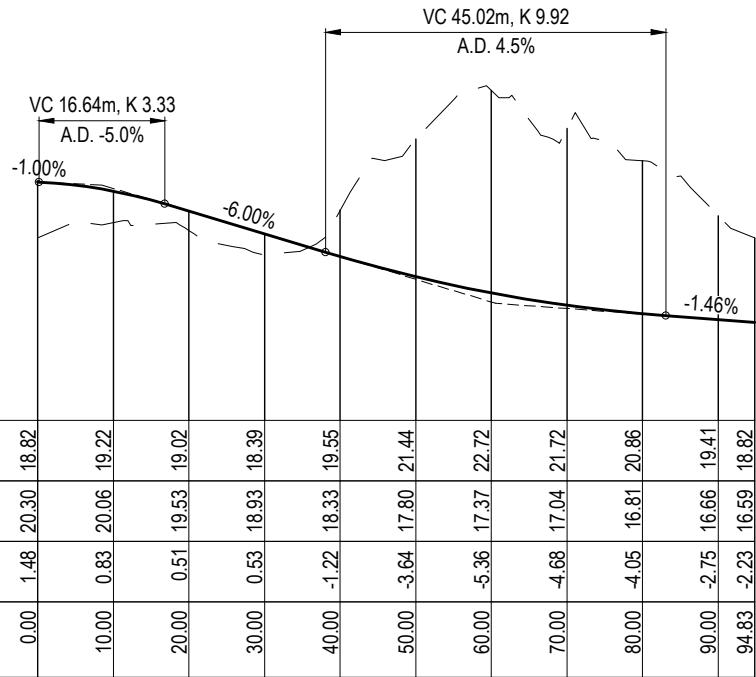


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

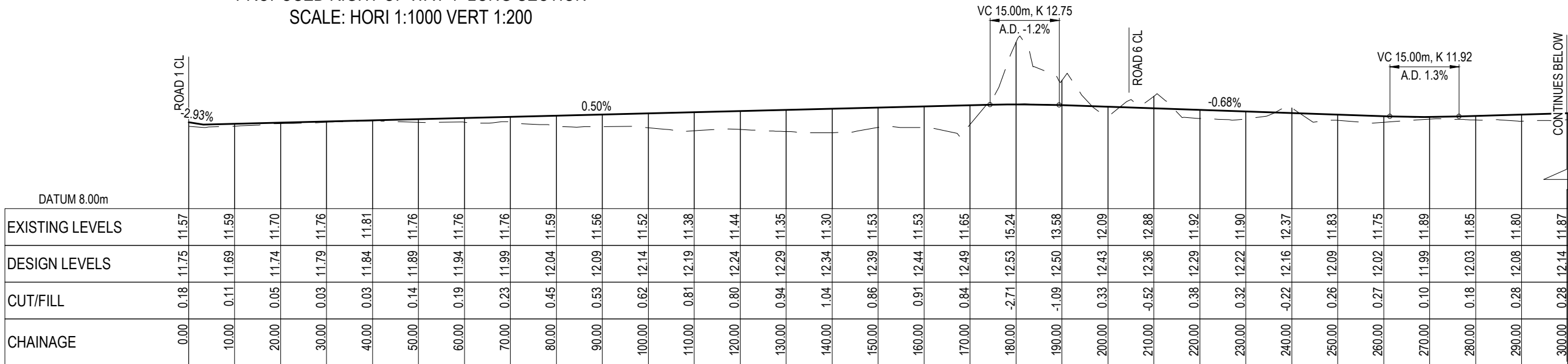
Title
**PROPOSED
ROADING
LONGSECTION**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C320 RD LS.DWG
Drawing no.	C320-3
Rev	A

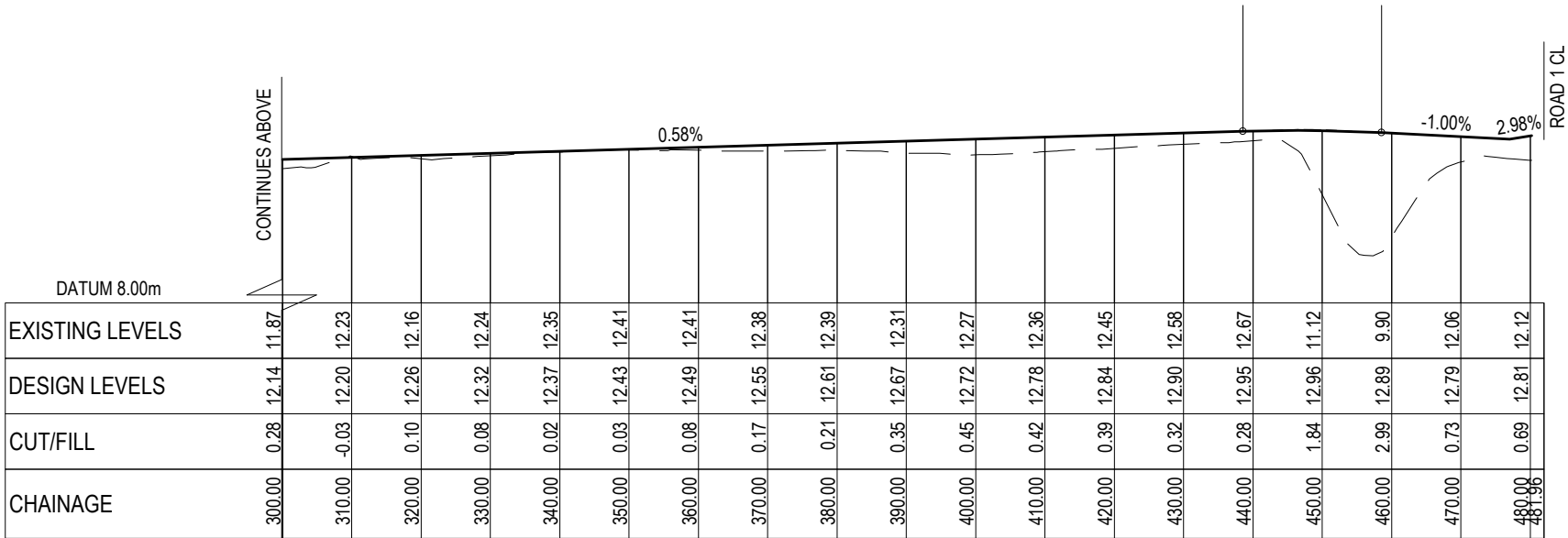
DATE: 7/2025 FILEPATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\03041-C320 RD LS.DWG



PROPOSED RIGHT OF WAY 1 LONG SECTION
SCALE: HORI 1:1000 VERT 1:200



ROAD 5 LONG SECTION
SCALE: HORI 1:1000 VERT 1:200



ROAD 5 LONG SECTION CONT.
SCALE: HORI 1:1000 VERT 1:200

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM HAWKES BAY 2000
 3. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016 .
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 12. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.

LEGEND

--- EX GROUND LEVEL
--- PR GROUND LEVEL

A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026

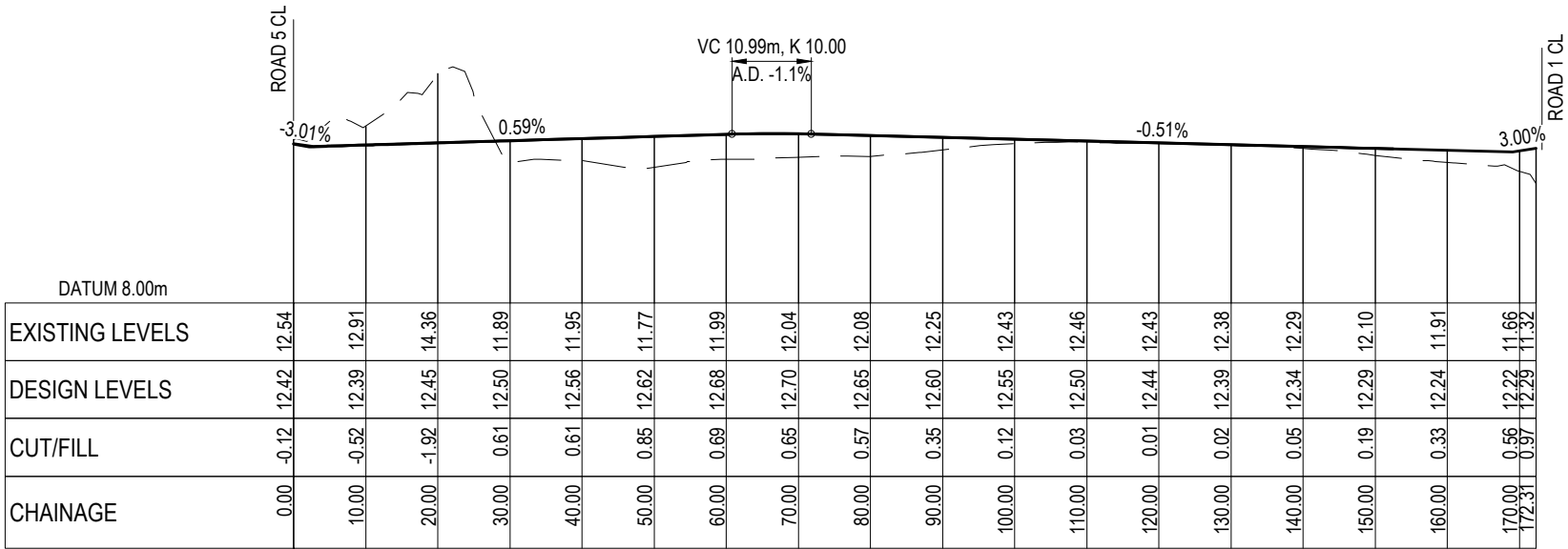


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

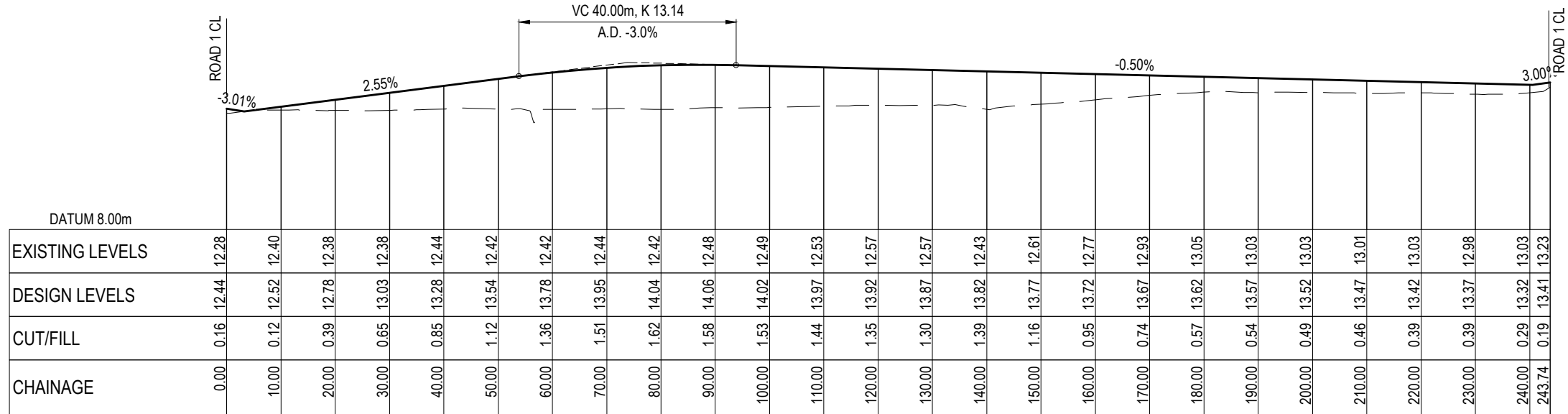
Title
**PROPOSED
ROADING
LONGSECTION**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C320 RD LS.DWG
Drawing no.	C320-4
Rev	A

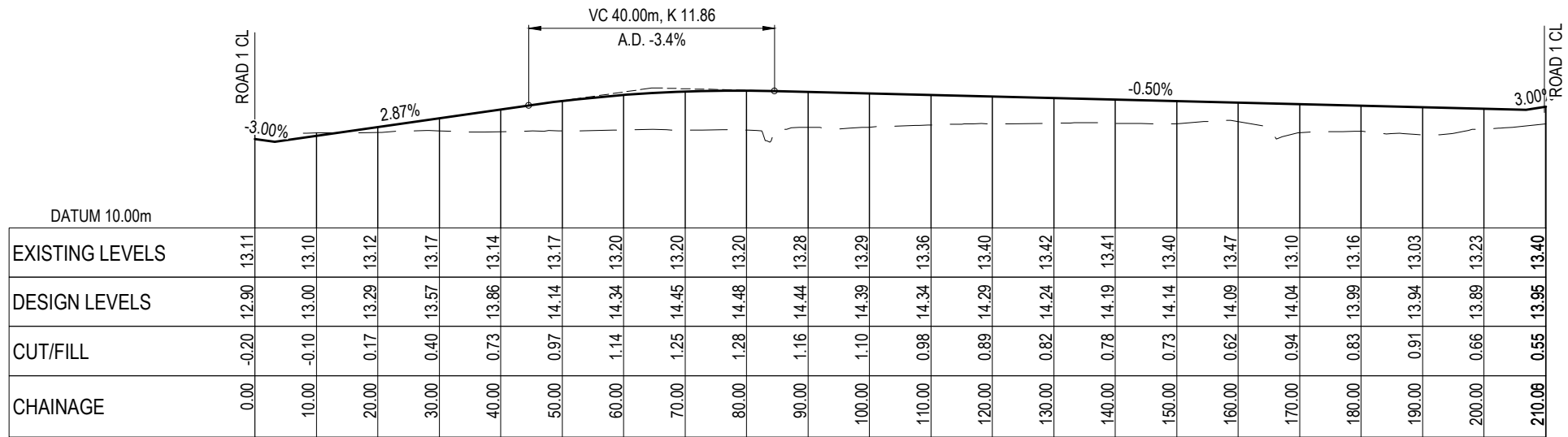
DATE: 7/2025 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\03041-C320 RD LS.DWG



ROAD 6 LONG SECTION
SCALE: HORI 1:1000 VERT 1:200



ROAD 8 LONG SECTION
SCALE: HORI 1:1000 VERT 1:200



ROAD 9 LONG SECTION
SCALE: HORI 1:1000 VERT 1:200

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM HAWKES BAY 2000
 3. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016 .
 4. ORIGIN OF LEVELS = IT IV SO1837 SOURCED FROM THE LINZ DIGITAL GEODETIC DATABASE.
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 10. SETOUT SCHEDULE WITH COORDINATES OF CHAINAGE POINTS ALONG ROAD CENTRELINE TO BE SUPPLIED TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
 11. REFER TO LONG SECTION FOR FINISHED CENTRELINE LEVELS. REFER TO TYPICAL CROSS SECTIONS TO OBTAIN LEVELS FOR OTHER LOCATIONS.
 12. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.

LEGEND

--- EX GROUND LEVEL
--- PR GROUND LEVEL

A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
	By	Date	
Survey	TECH SP	02/2025	
Design	RH	06/2026	
Drawn	RH	06/2026	
Checked	BB	07/2026	



Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
ROADING
LONGSECTION**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C320 RD LS.DWG
Drawing no.	C320-7
Rev	A



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTING COUNCIL STANDARDS (HDC).
 2. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS LESS THAN 1%.
 3. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY HIS OPERATIONS.
 4. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
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 9. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.
 10. PRAM CROSSINGS ARE TO BE FLUSH TO THE CHANNEL WITH NO LIP.
 11. ALL KERB AND CHANNEL TO HAVE SAWCUTS AT MAX. 3M CENTERS AND TO COINCIDE WITH CONCRETE FOOTPATH JOINTS.
 12. ALL PARKING BAYS TO BE SAW CUT AT MAX 3M INTERVALS. SAW CUTS TO COINCIDE WITH KERB AND FOOTPATH CUTS.
 13. ALL FOOTPATHS SHALL BE BRUSHED FINISH CONCRETE.
 14. ALL SIGNAGE AND PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH NZTA MOTSAM STANDARDS AND HDC'S STANDARDS.
 15. ALL STREET NAME SIGNS SHALL FOLLOW HDC GUIDELINES IN TERMS OF LAYOUT, CLEARANCES, AND CONSTRUCTION DETAILS.
 16. ALL LINE MARKINGS TO BE REFLECTORISED IN ACCORDANCE WITH MOTSAM STANDARDS.
 17. THE MINIMUM VERTICAL AND LATERAL CLEARANCES FOR SIGNAGE SHALL BE IN ACCORDANCE WITH MOTSAM STANDARDS.
 18. STREET LIGHTING SHALL BE DESIGNED IN ACCORDANCE WITH ALL APPLICABLE NEW ZEALAND STANDARDS INCLUDING BUT NOT RESTRICTED TO THE CURRENT VERSION OF AS/NZS 1158 LIGHTING FOR ROADS AND PUBLIC SPACES SERIES OF STANDARDS.
 19. ALL NEW, MODIFIED OR UPGRADED PRAM CROSSINGS MUST BE IN ACCORDANCE WITH RTS 14 GUIDELINES FOR FACILITIES FOR BLIND AND VISION-IMPAIRED PEDESTRIANS AND NZS/AS 1428.4 AND MUST COMPLY WITH THE DETAILS PROVIDED IN HDC'S STANDARD PLAN C9.
 20. UNBOUND GRANULAR AND MODIFIED BASECOURSE PAVEMENTS SHOULD NOT BE CONSTRUCTED DURING THE WET MONTHS.
 21. ALL SUBSOIL DRAINS ARE TO BE FREE-DRAINING TO CATCHPITS, CONNECTED ABOVE THE DISCHARGE PIPE SOFT LEVEL.
 22. CONTRACTOR TO ENSURE A MINIMUM OF 0.5% FALL ALONG KERB LINES TO CATCHPITS.
 23. ALL KERBING AND CHANNELS MUST BE LAID ON 300MM MIN. GAP65 SUBBASE IN ROADS AND 100MM MIN. GAP40 IN FOOTPATHS WHERE CBR >5.
 24. PAVEMENT TO BE PTR ROLLED BEFORE SEALING.

A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026



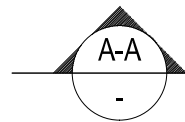
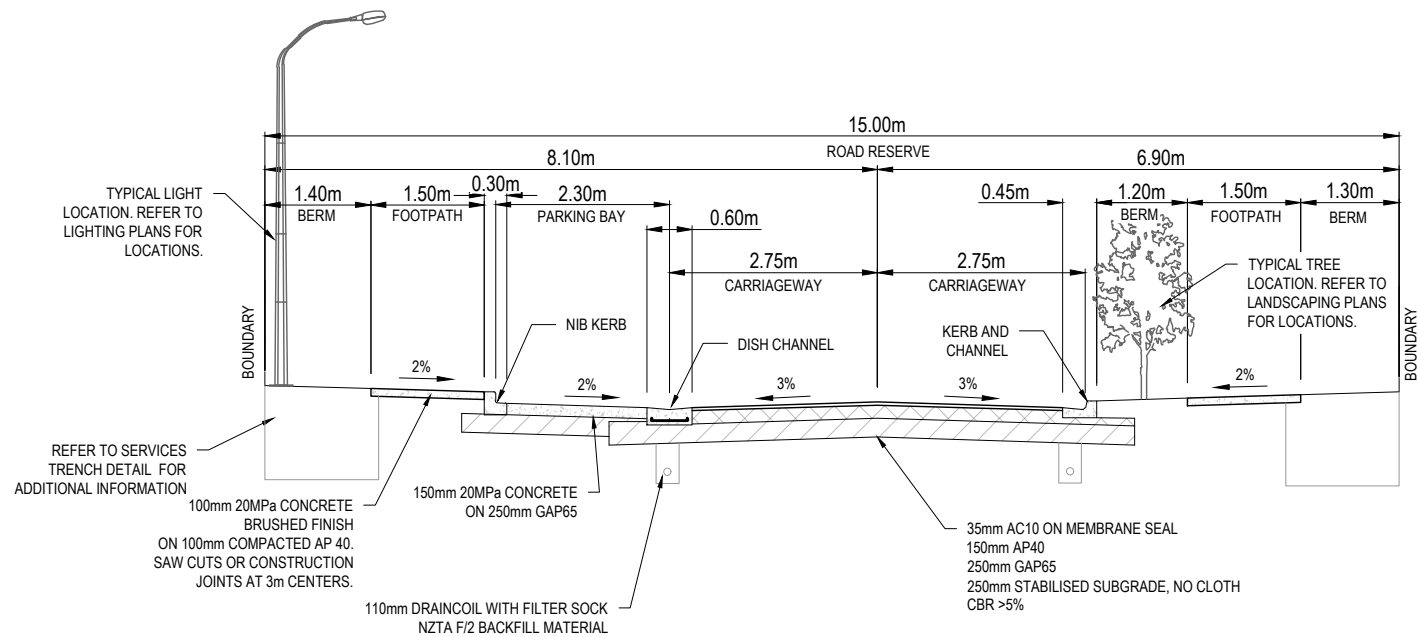
Maven Associates
09 571 0050
info@maven.co.nz
www.maven.co.nz
5 Owens Road, Epsom
Auckland 1023

Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

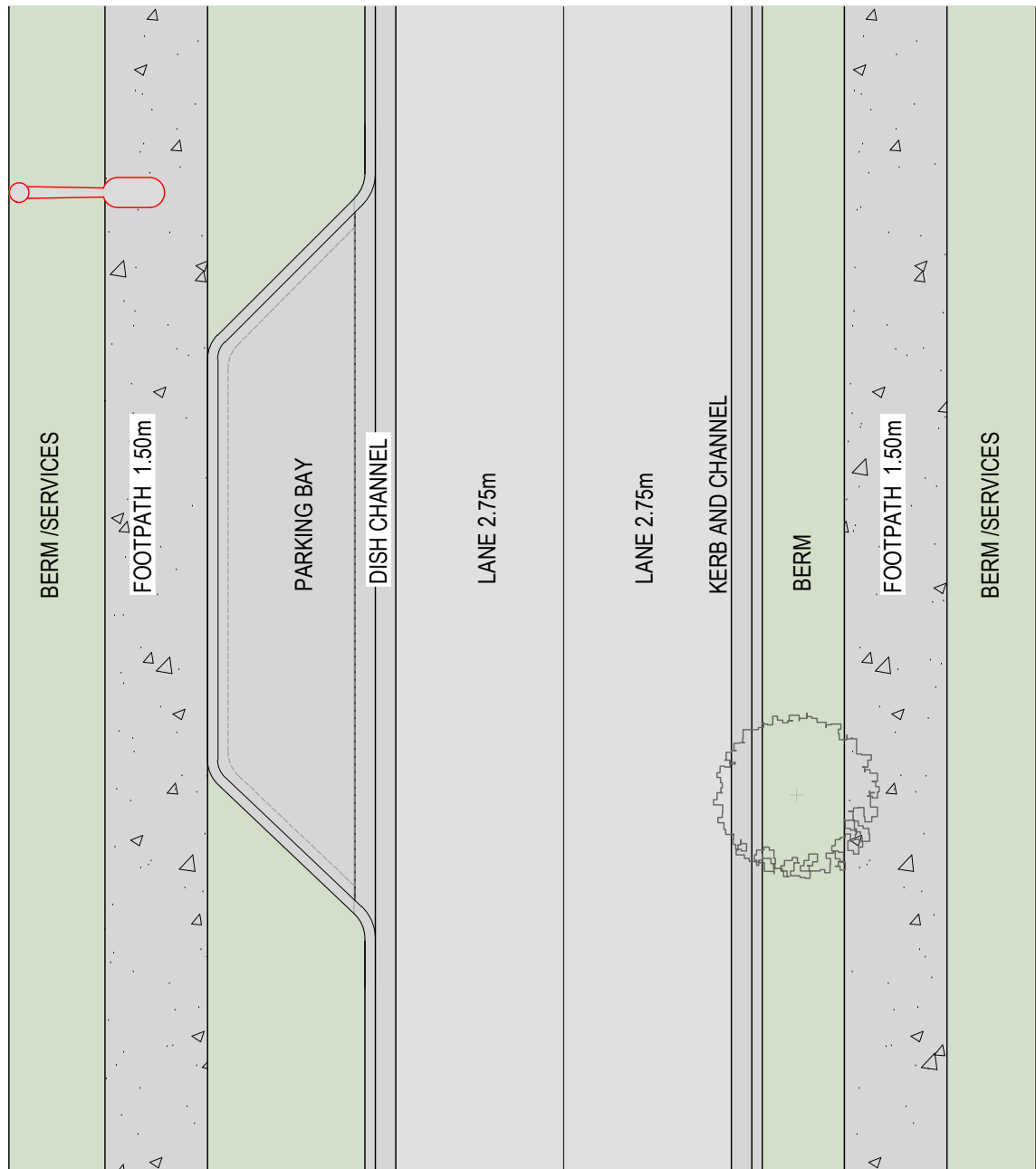
Title
**PROPOSED
ROADING CROSS
SECTION OVERVIEW**

Project no.	135041
Scale	1:2500 @ A3
Cad file	135041-C330 RD CS.DWG
Drawing no.	C330-0
Rev	A

RESOURCE CONSENT



TYPICAL 15m ROAD CROSS SECTION WITH PARKING BAY
SCALE 1:100 @ A3



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTING COUNCIL STANDARDS (HDC).
 2. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS LESS THAN 1%.
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 6. FINAL PAVEMENT DESIGN SUBJECT TO CBR/BEAM TESTS ON SUBGRADE MATERIAL.
 7. SETOUT SCHEDULE WITH CO-ORDINATES OF CHAINAGE POINTS ALONG ROAD CENTRELINE TO BE SUPPLIED TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
 8. REFER TO LONG SECTION FOR FINISHED CENTRELINE LEVELS. REFER TO TYPICAL CROSS SECTIONS TO OBTAIN LEVELS FOR OTHER LOCATIONS
 9. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.
 10. PRAM CROSSINGS ARE TO BE FLUSH TO THE CHANNEL WITH NO LIP.
 11. ALL KERB AND CHANNEL TO HAVE SAWCUTS AT MAX. 3M CENTERS AND TO COINCIDE WITH CONCRETE FOOTPATH JOINTS.
 12. ALL PARKING BAYS TO BE SAW CUT AT MAX 3M INTERVALS. SAW CUTS TO COINCIDE WITH KERB AND FOOTPATH CUTS.
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 15. ALL STREET NAME SIGNS SHALL FOLLOW HDC GUIDELINES IN TERMS OF LAYOUT, CLEARANCES, AND CONSTRUCTION DETAILS.
 16. ALL LINE MARKINGS TO BE REFLECTORISED IN ACCORDANCE WITH MOTSAM STANDARDS.
 17. THE MINIMUM VERTICAL AND LATERAL CLEARANCES FOR SIGNAGE SHALL BE IN ACCORDANCE WITH MOTSAM STANDARDS.
 18. STREET LIGHTING SHALL BE DESIGNED IN ACCORDANCE WITH ALL APPLICABLE NEW ZEALAND STANDARDS INCLUDING BUT NOT RESTRICTED TO THE CURRENT VERSION OF ASINZS 1158 LIGHTING FOR ROADS AND PUBLIC SPACES SERIES OF STANDARDS.
 19. ALL NEW, MODIFIED OR UPGRADED PRAM CROSSINGS MUST BE IN ACCORDANCE WITH RTS 14 GUIDELINES FOR FACILITIES FOR BLIND AND VISION-IMPAIRED PEDESTRIANS AND NZS/AS 1428.4 AND MUST COMPLY WITH THE DETAILS PROVIDED IN HDC'S STANDARD PLAN C9.
 20. UNBOUND GRANULAR AND MODIFIED BASECOURSE PAVEMENTS SHOULD NOT BE CONSTRUCTED DURING THE WET MONTHS.
 21. ALL SUBSOIL DRAINS ARE TO BE FREE-DRAINING TO CATCHPITS, CONNECTED ABOVE THE DISCHARGE PIPE SOFT LEVEL.
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 24. PAVEMENT TO BE PTR ROLLED BEFORE SEALING.

A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
	By	Date	
Survey	TECH SP	02/2025	
Design	RH	06/2026	
Drawn	RH	06/2026	
Checked	BB	07/2026	

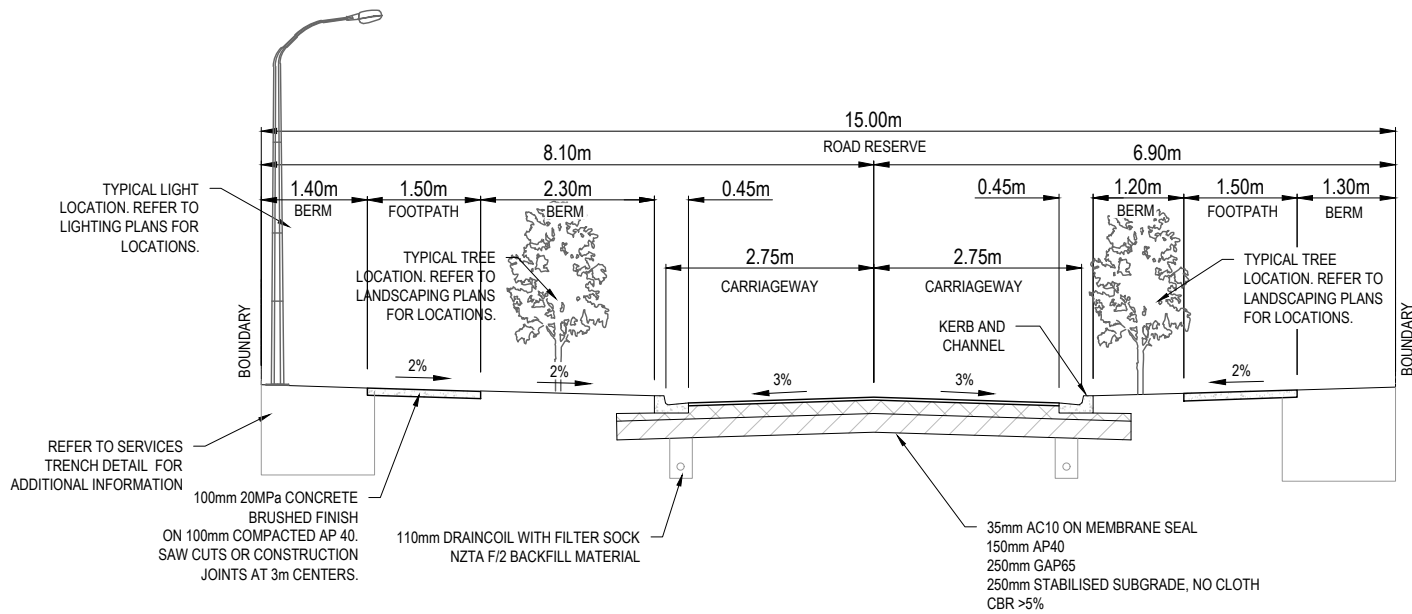
M **Maven Associates**
09 571 0050
info@maven.co.nz
www.maven.co.nz
5 Owens Road, Epsom
Auckland 1023

Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

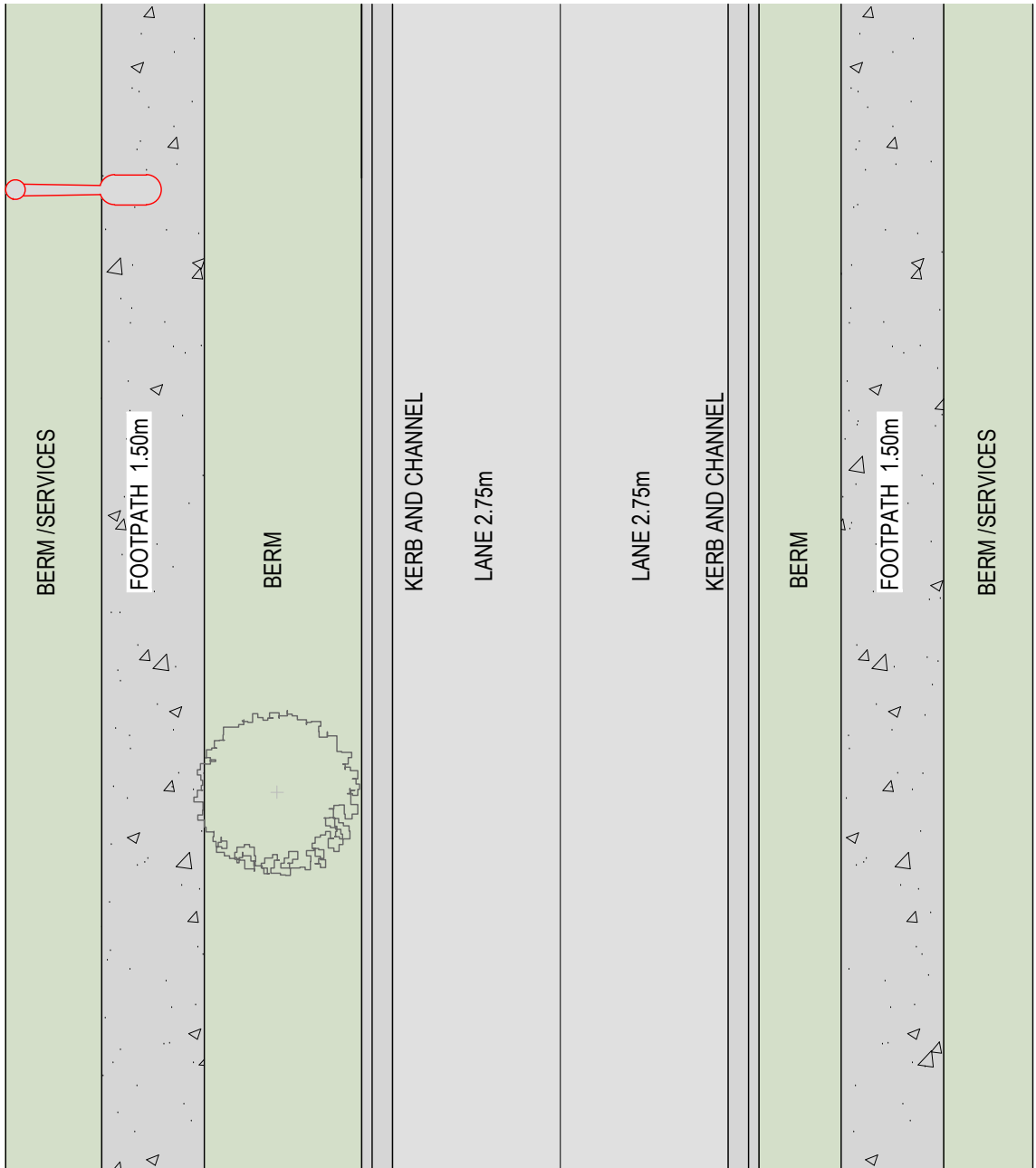
Title
**PROPOSED
ROADING
CROSS SECTION**

Project no.	135041
Scale	1:100 @ A3
Cad file	135041-C330 RD CS.DWG
Drawing no.	C330-1
Rev	A

RESOURCE CONSENT



A-A
TYPICAL 15m ROAD CROSS SECTION NO PARKING BAY
SCALE 1:100 @ A3



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTING COUNCIL STANDARDS (HDC).
 2. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS LESS THAN 1%.
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 6. FINAL PAVEMENT DESIGN SUBJECT TO CBR/BEAM TESTS ON SUBGRADE MATERIAL.
 7. SETOUT SCHEDULE WITH CO-ORDINATES OF CHAINAGE POINTS ALONG ROAD CENTRELINE TO BE SUPPLIED TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
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 20. UNBOUND GRANULAR AND MODIFIED BASECOURSE PAVEMENTS SHOULD NOT BE CONSTRUCTED DURING THE WET MONTHS.
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 22. CONTRACTOR TO ENSURE A MINIMUM OF 0.5% FALL ALONG KERB LINES TO CATCHPITS.
 23. ALL KERBING AND CHANNELS MUST BE LAID ON 300MM MIN. GAP65 SUBBASE IN ROADS AND 100MM MIN. GAP40 IN FOOTPATHS WHERE CBR >5.
 24. PAVEMENT TO BE PTR ROLLED BEFORE SEALING.

A	SUBSTANTIVE APPLICATION	RH	06/2025
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Rev	Description	By	Date
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	By	Date
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Survey	TECH SP	02/2025
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Design	RH	06/2026
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Drawn	RH	06/2026
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Checked	BB	07/2026
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Maven Associates

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www.maven.co.nz

5 Owens Road, Epsom

Auckland 1023

Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
ROADING
CROSS SECTION**

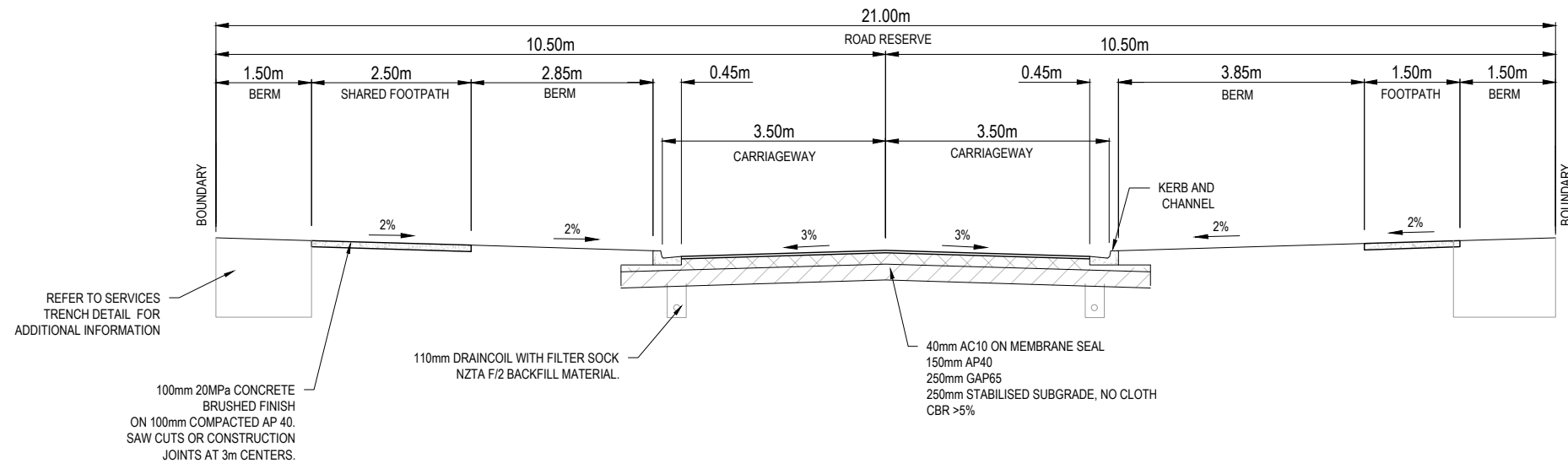
Project no.	135041
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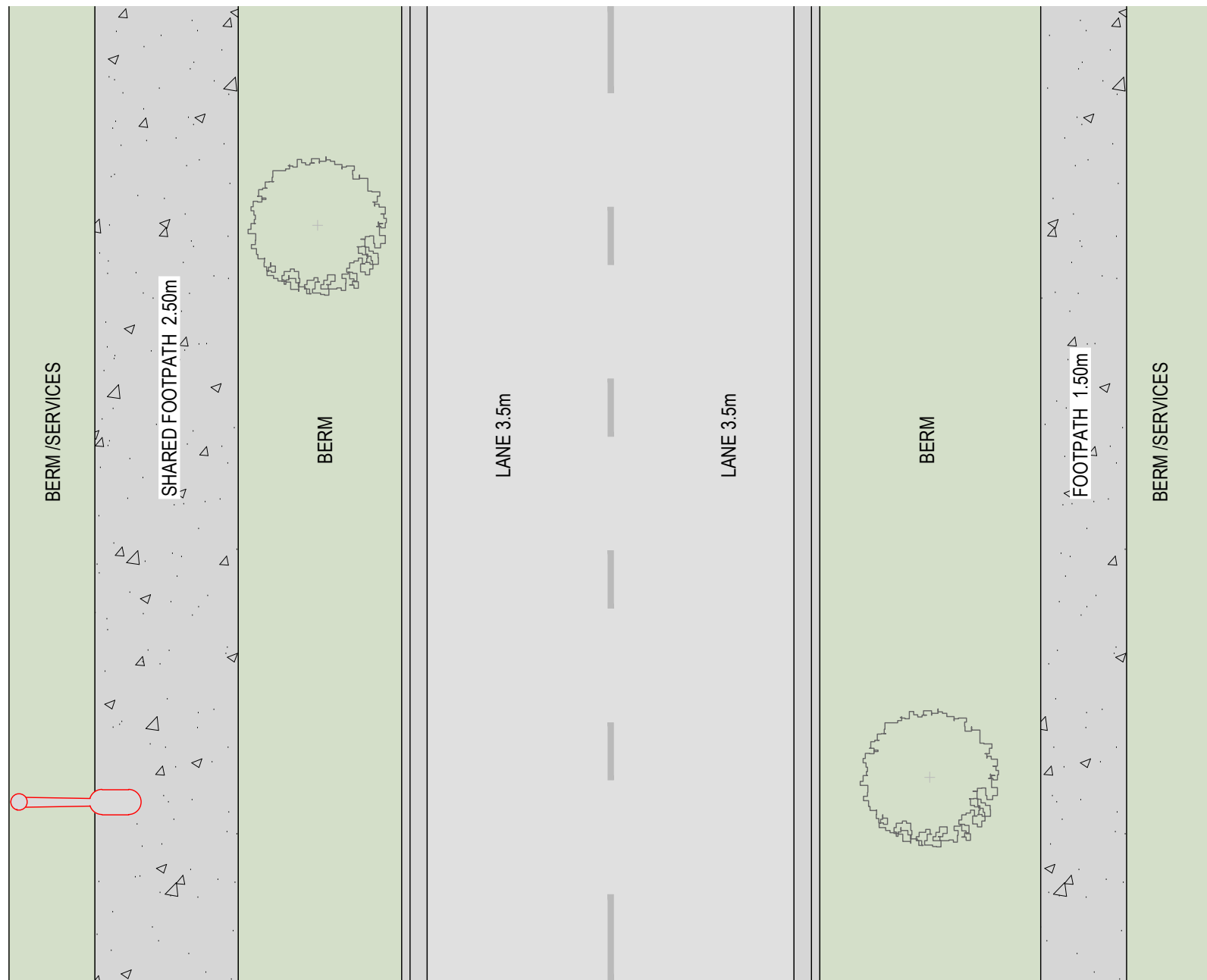
Cad file	135041-C330 RD CS.DWG
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Drawing no.	C330-2	Rev	A
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RESOURCE CONSENT



B-B
TYPICAL 21m ROAD 1 CROSS SECTION
SCALE 1:100 @ A3



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTING COUNCIL STANDARDS (HDC).
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A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
	By	Date	
Survey	TECH SP	02/2025	
Design	RH	06/2026	
Drawn	RH	06/2026	
Checked	BB	07/2026	

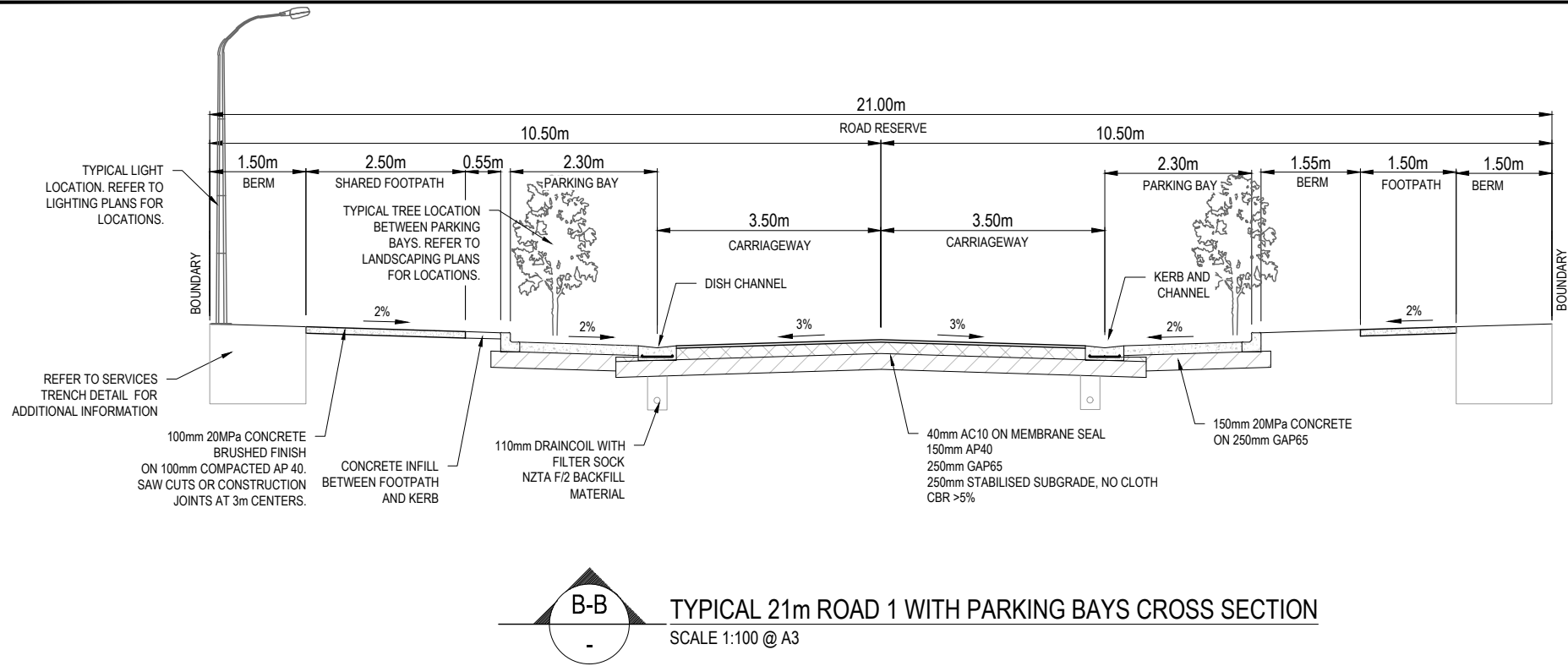
M **Maven Associates**
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5 Owens Road, Epsom
Auckland 1023

Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

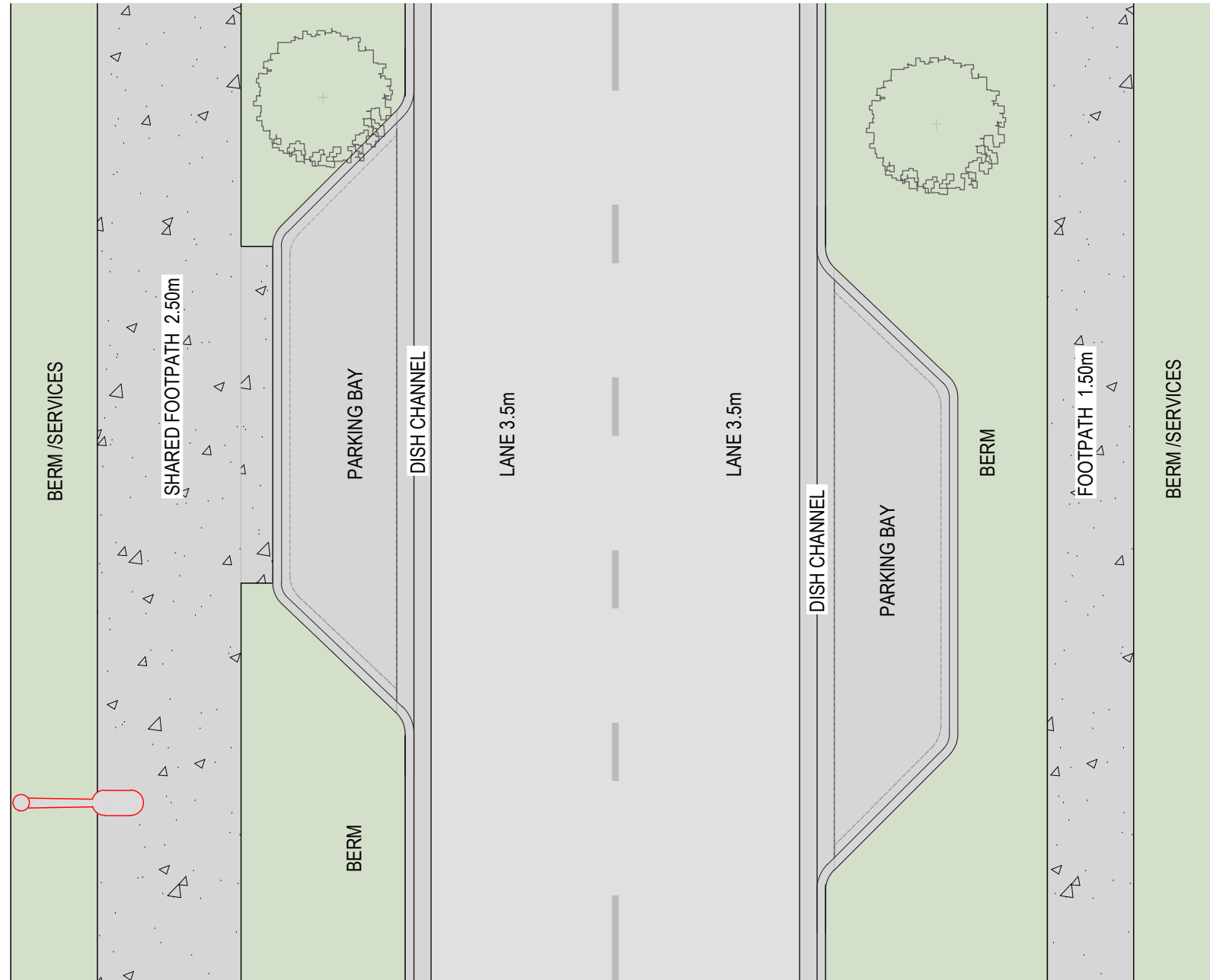
Title
**PROPOSED
ROADING
CROSS SECTION**

Project no.	135041
Scale	1:100 @ A3
Cad file	135041-C330 RD CS.DWG
Drawing no.	C330-3
Rev	A

RESOURCE CONSENT



TYPICAL 21m ROAD 1 WITH PARKING BAYS CROSS SECTION
SCALE 1:100 @ A3



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A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026

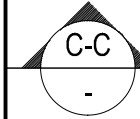
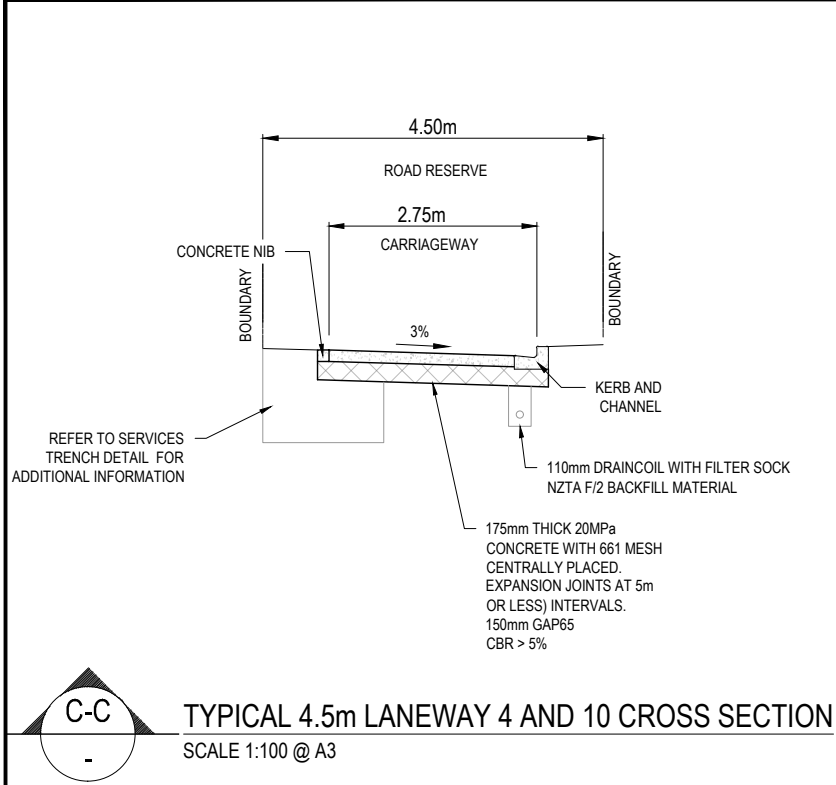
M **Maven Associates**
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Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

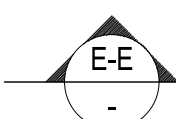
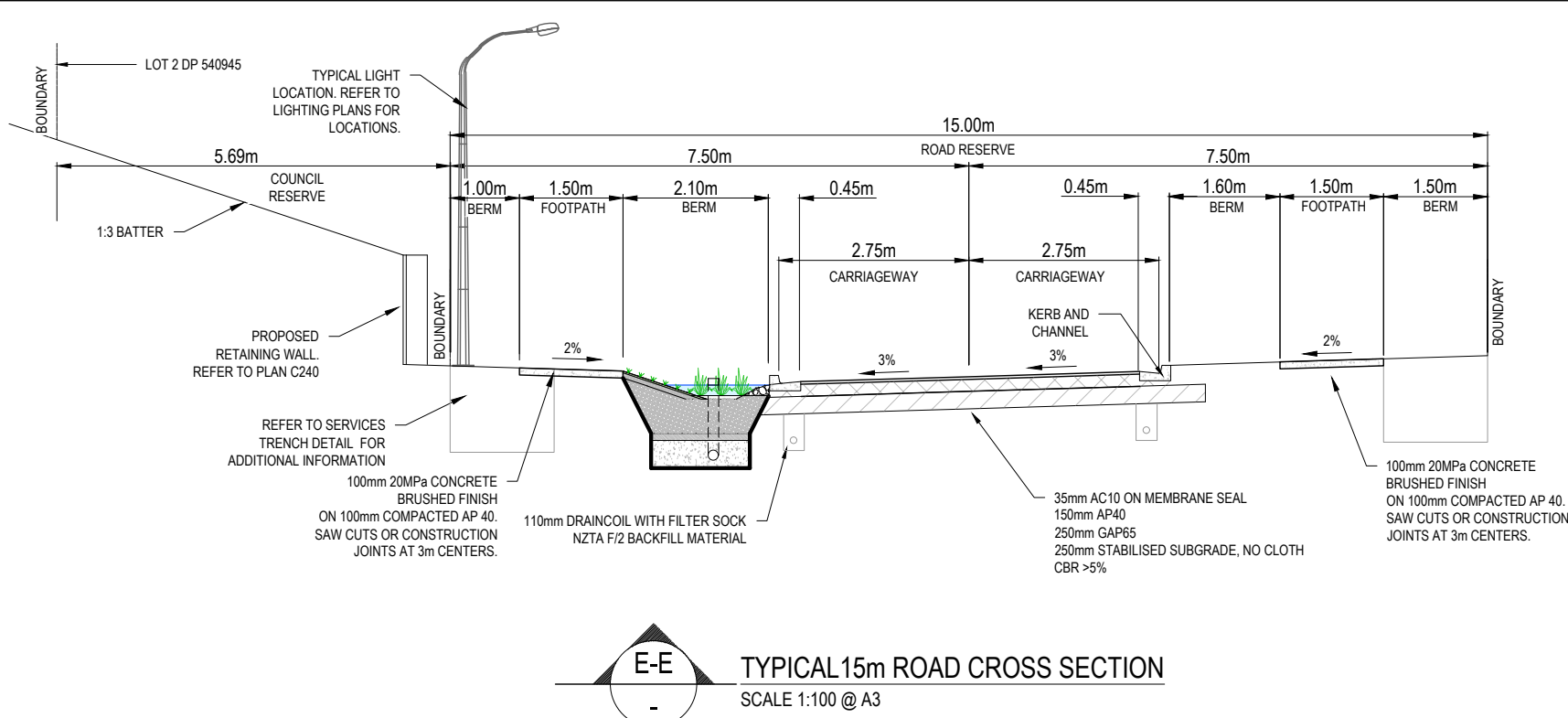
Title
**PROPOSED
ROADING
CROSS SECTION**

Project no.	135041
Scale	1:100 @ A3
Cad file	135041-C330 RD CS.DWG
Drawing no.	C330-4
Rev	A

RESOURCE CONSENT



TYPICAL 4.5m LANEWAY 4 AND 10 CROSS SECTION
SCALE 1:100 @ A3



TYPICAL 15m ROAD CROSS SECTION
SCALE 1:100 @ A3

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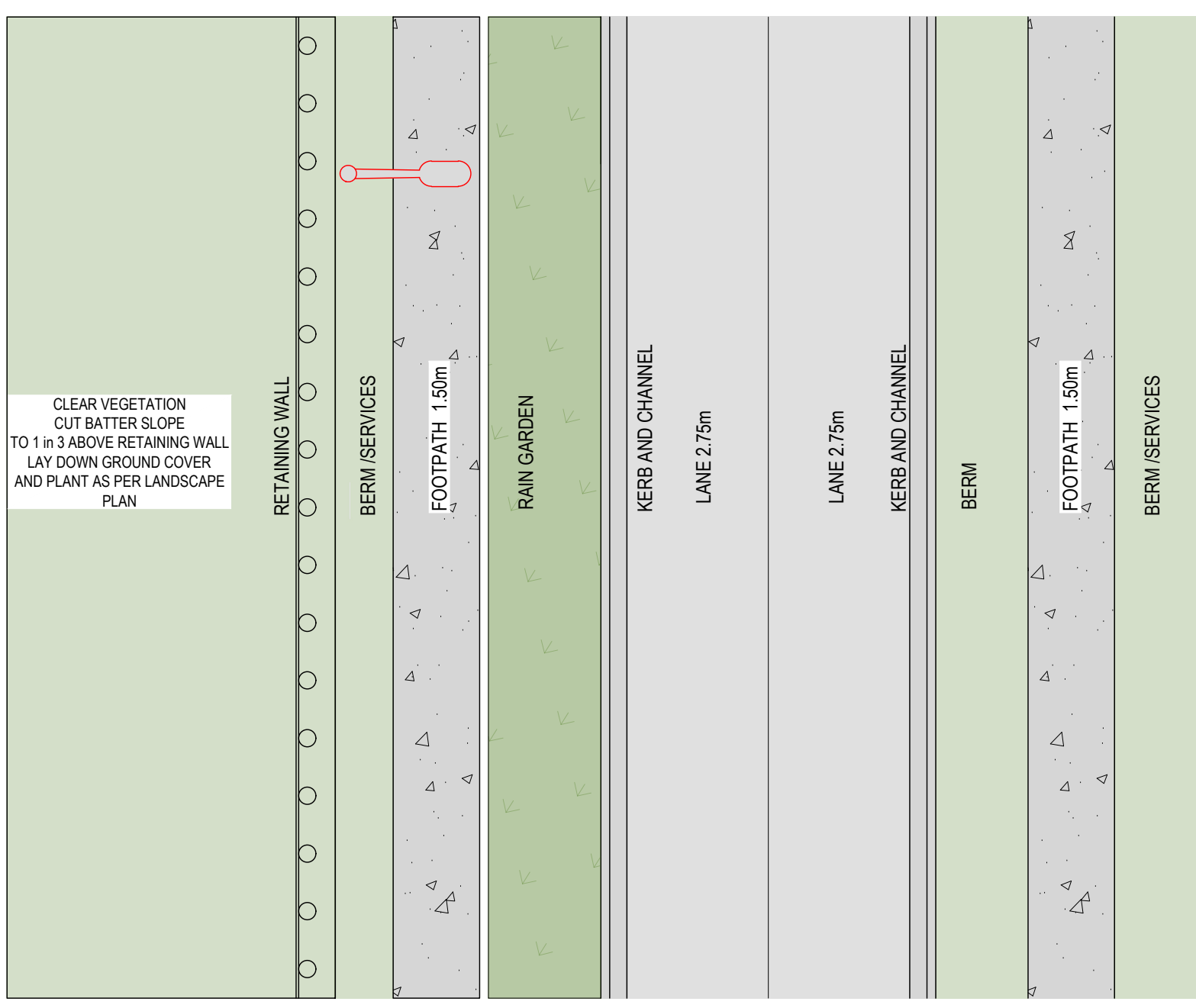
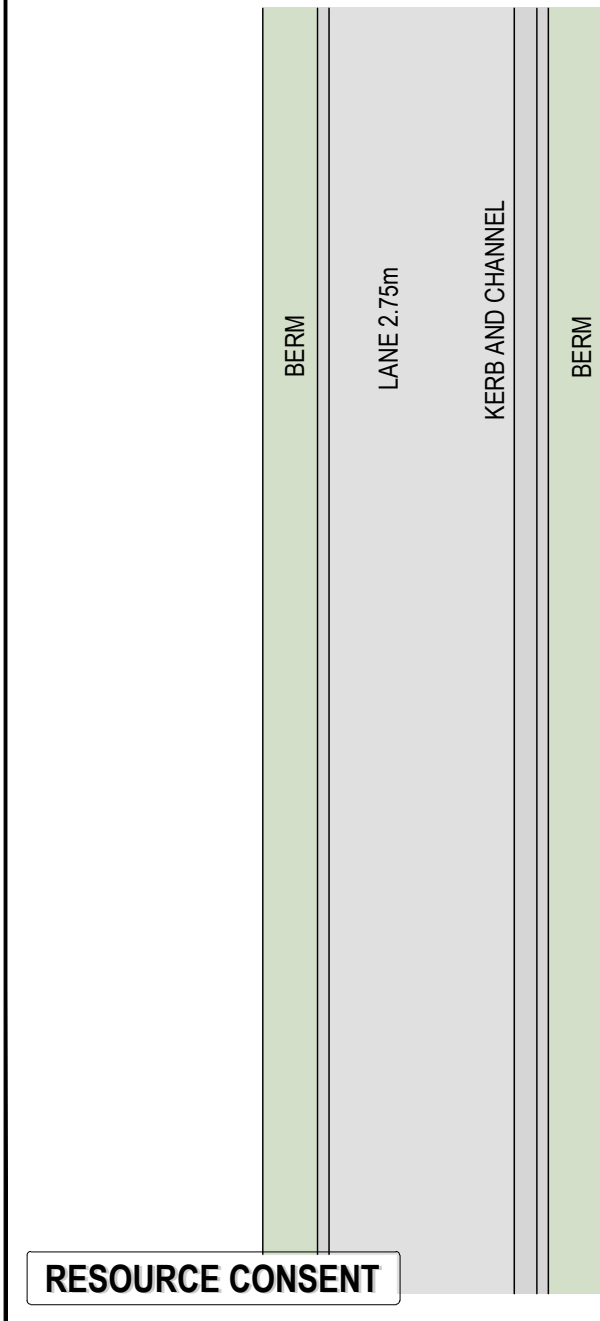
A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026

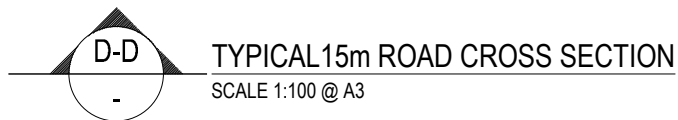
M **Maven Associates**
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5 Owens Road, Epsom
Auckland 1023

Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
ROADING
CROSS SECTION**

Project no.	135041
Scale	1:100 @ A3
Cad file	135041-C330 RD CS.DWG
Drawing no.	C330-5
Rev	A

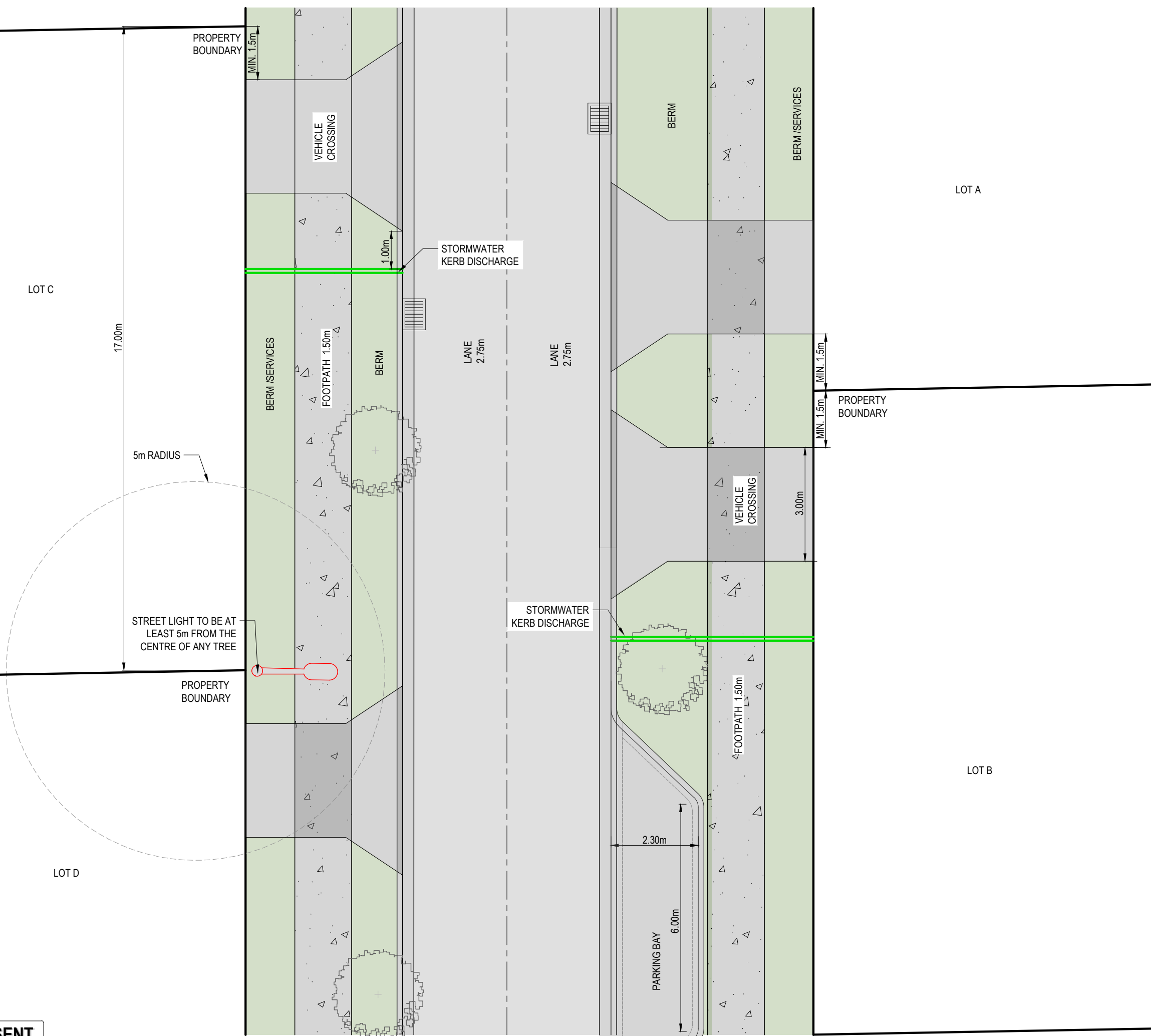




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| Project no. | 135041 | | |
| Scale | 1:100 @ A3 | | |
| Cad file | 135041-C330 RD CS.DWG | | |
| Drawing no. | C330-6 | Rev | A |

DATE: 7/2025 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\035041-C330 RD CS.DWG

RESOURCE CONSENT



- NOTES
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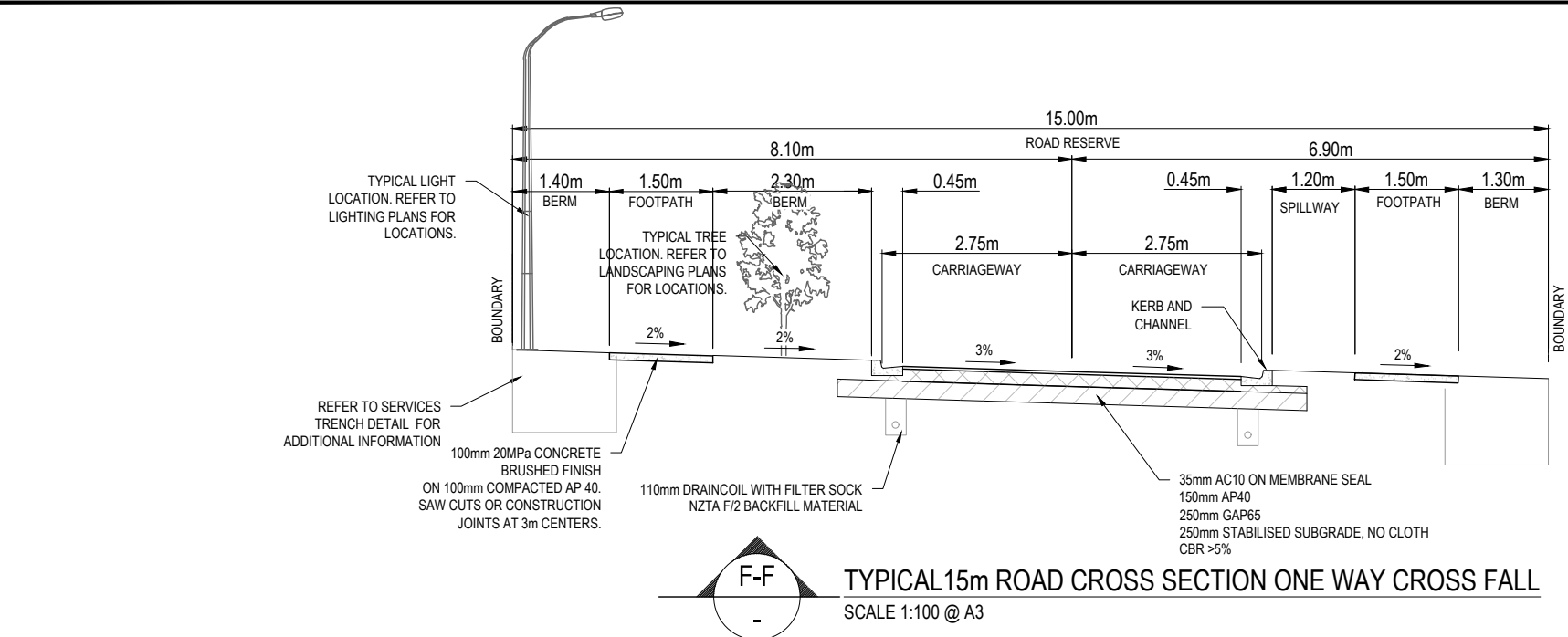
A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026

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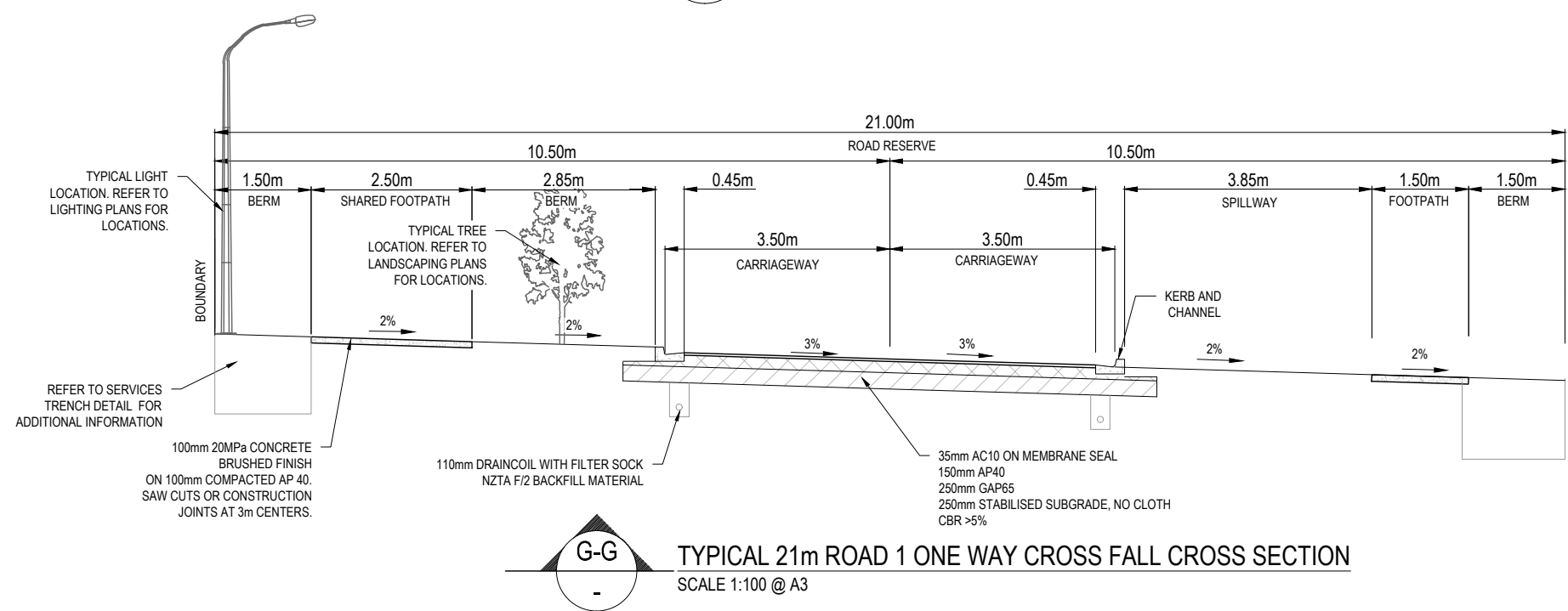
Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
ROADING
TYPICAL LAYOUT**

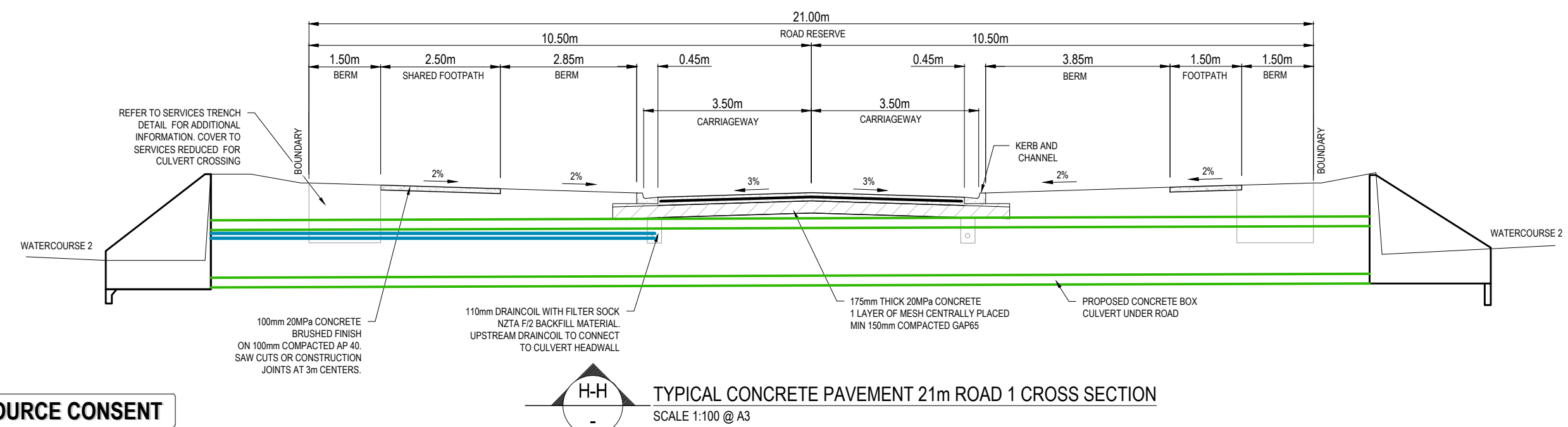
Project no.	135041		
Scale	1:100 @ A3		
Cad file	135041-C330 RD CS.DWG		
Drawing no.	C330-7	Rev	A



TYPICAL 15m ROAD CROSS SECTION ONE WAY CROSS FALL
SCALE 1:100 @ A3



TYPICAL 21m ROAD 1 ONE WAY CROSS FALL CROSS SECTION
SCALE 1:100 @ A3



TYPICAL CONCRETE PAVEMENT 21m ROAD 1 CROSS SECTION
SCALE 1:100 @ A3

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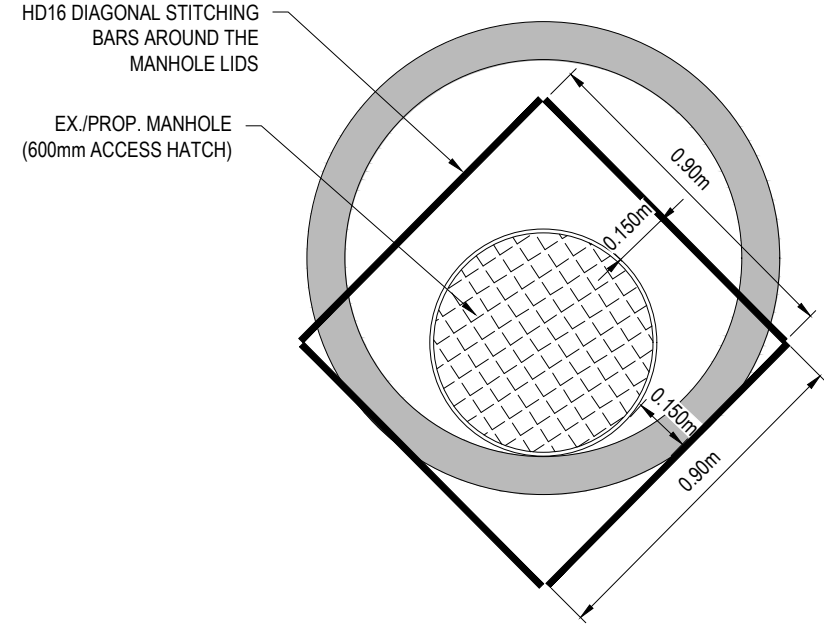
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Project
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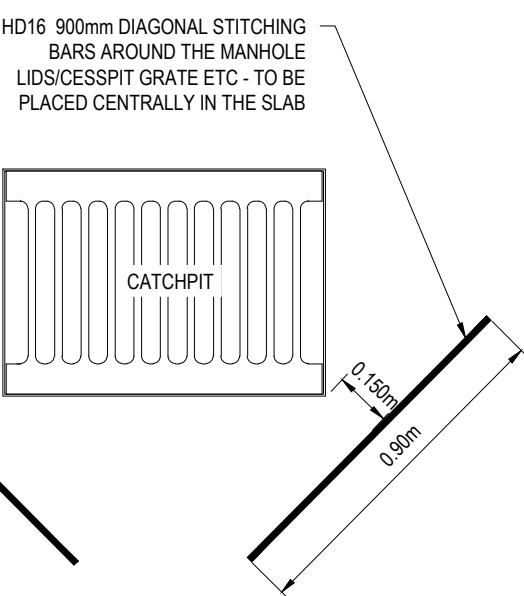
Title
**PROPOSED
ROADING
CROSS SECTION**

Project no.	135041
Scale	1:100 @ A3
Cad file	135041-C330 RD CS.DWG
Drawing no.	C330-8
Rev	A

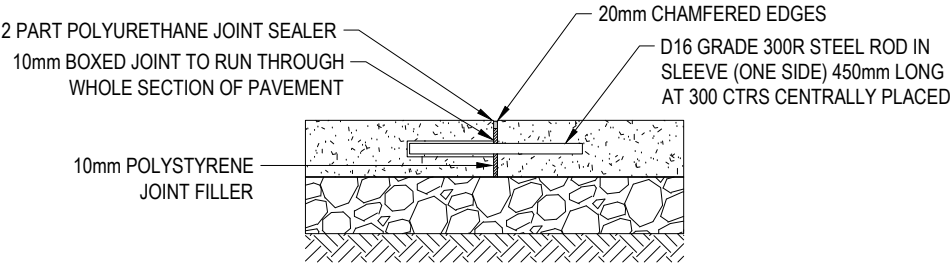
RESOURCE CONSENT



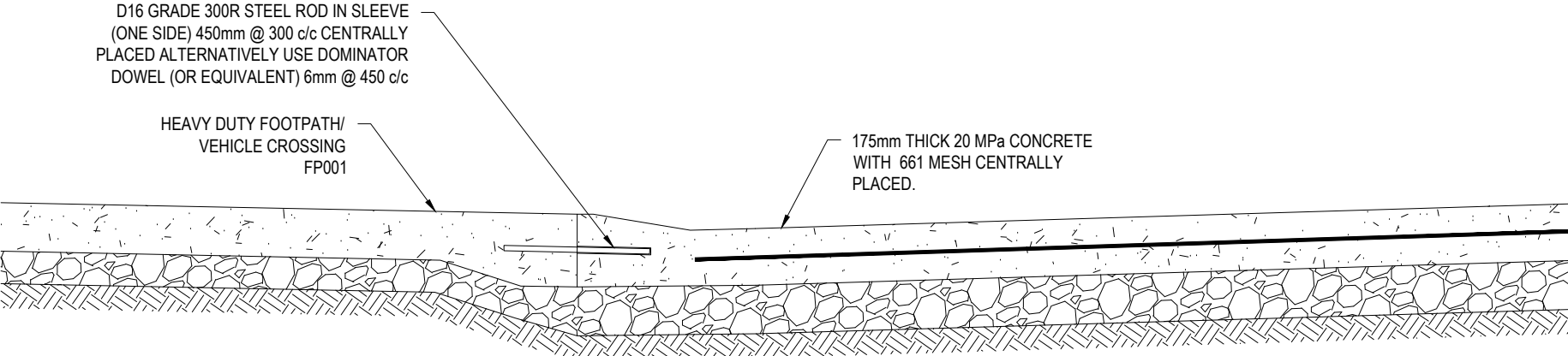
DETAIL A: MANHOLE LID DETAIL
SCALE 1:20@A3



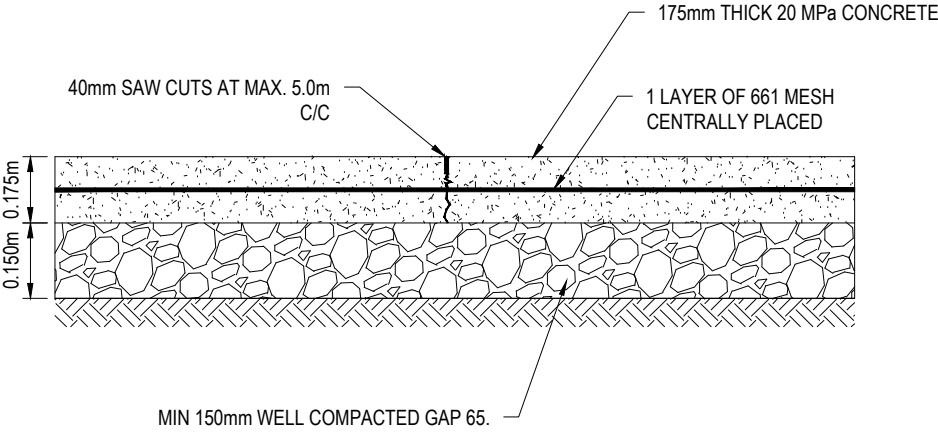
DETAIL B: LANEWAY CATCHPIT LID
DETAIL B
SCALE 1:20@A3



TRANSVERSE CONSTRUCTION /
EXPANSION JOINT - DETAIL D
SCALE 1: 10 @ A3



DETAIL E : LANEWAY VEHICLE CROSSING JOINT
CONCRETE CONNECTION DETAIL
SCALE 1:20@A3



DETAIL C: NEW CONCRETE PAVEMENT DETAIL
MINIMUM CBR: 5 OR GREATER
SCALE 1: 20@ A3

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTING COUNCIL STANDARDS (HDC).
 2. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS LESS THAN 1%.
 3. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY HIS OPERATIONS.
 4. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
 5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL FROM UTILITY OPERATORS BEFORE COMMENCING WORK UNDER OR NEAR THEIR SERVICES.
 6. FINAL PAVEMENT DESIGN SUBJECT TO CBR/BEAM TESTS ON SUBGRADE MATERIAL.
 7. SETOUT SCHEDULE WITH CO-ORDINATES OF CHAINAGE POINTS ALONG ROAD CENTRELINE TO BE SUPPLIED TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
 8. REFER TO LONG SECTION FOR FINISHED CENTRELINE LEVELS. REFER TO TYPICAL CROSS SECTIONS TO OBTAIN LEVELS FOR OTHER LOCATIONS
 9. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.
 10. PRAM CROSSINGS ARE TO BE FLUSH TO THE CHANNEL WITH NO LIP.
 11. ALL KERB AND CHANNEL TO HAVE SAWCUTS AT MAX. 3M CENTERS AND TO COINCIDE WITH CONCRETE FOOTPATH JOINTS.
 12. ALL PARKING BAYS TO BE SAW CUT AT MAX 3M INTERVALS. SAW CUTS TO COINCIDE WITH KERB AND FOOTPATH CUTS.
 13. ALL FOOTPATHS SHALL BE BRUSHED FINISH CONCRETE.
 14. ALL SIGNAGE AND PAVEMENT MARKINGS TO BE IN ACCORDANCE WITH NZTA MOTSAM STANDARDS AND HDC'S STANDARDS.
 15. ALL STREET NAME SIGNS SHALL FOLLOW HDC GUIDELINES IN TERMS OF LAYOUT, CLEARANCES, AND CONSTRUCTION DETAILS.
 16. ALL LINE MARKINGS TO BE REFLECTORISED IN ACCORDANCE WITH MOTSAM STANDARDS.
 17. THE MINIMUM VERTICAL AND LATERAL CLEARANCES FOR SIGNAGE SHALL BE IN ACCORDANCE WITH MOTSAM STANDARDS.
 18. STREET LIGHTING SHALL BE DESIGNED IN ACCORDANCE WITH ALL APPLICABLE NEW ZEALAND STANDARDS INCLUDING BUT NOT RESTRICTED TO THE CURRENT VERSION OF AS/NZS 1158 LIGHTING FOR ROADS AND PUBLIC SPACES SERIES OF STANDARDS.
 19. ALL NEW, MODIFIED OR UPGRADED PRAM CROSSINGS MUST BE IN ACCORDANCE WITH RTS 14 GUIDELINES FOR FACILITIES FOR BLIND AND VISION-IMPAIRED PEDESTRIANS AND NZS/AS 1428.4 AND MUST COMPLY WITH THE DETAILS PROVIDED IN HDC'S STANDARD PLAN C9.
 20. UNBOUND GRANULAR AND MODIFIED BASECOURSE PAVEMENTS SHOULD NOT BE CONSTRUCTED DURING THE WET MONTHS.
 21. ALL SUBSOIL DRAINS ARE TO BE FREE-DRAINING TO CATCHPITS, CONNECTED ABOVE THE DISCHARGE PIPE SOFT LEVEL.
 22. CONTRACTOR TO ENSURE A MINIMUM OF 0.5% FALL ALONG KERB LINES TO CATCHPITS.
 23. ALL KERBING AND CHANNELS MUST BE LAID ON 300MM MIN. GAP65 SUBBASE IN ROADS AND 100MM MIN. GAP40 IN FOOTPATHS WHERE CBR >5.
 24. PAVEMENT TO BE PTR ROLLED BEFORE SEALING.

A	SUBSTANTIVE APPLICATION	RH	06/2025
Rev	Description	By	Date
	By	Date	
Survey	TECH SP	02/2025	
Design	RH	06/2026	
Drawn	RH	06/2026	
Checked	BB	07/2026	

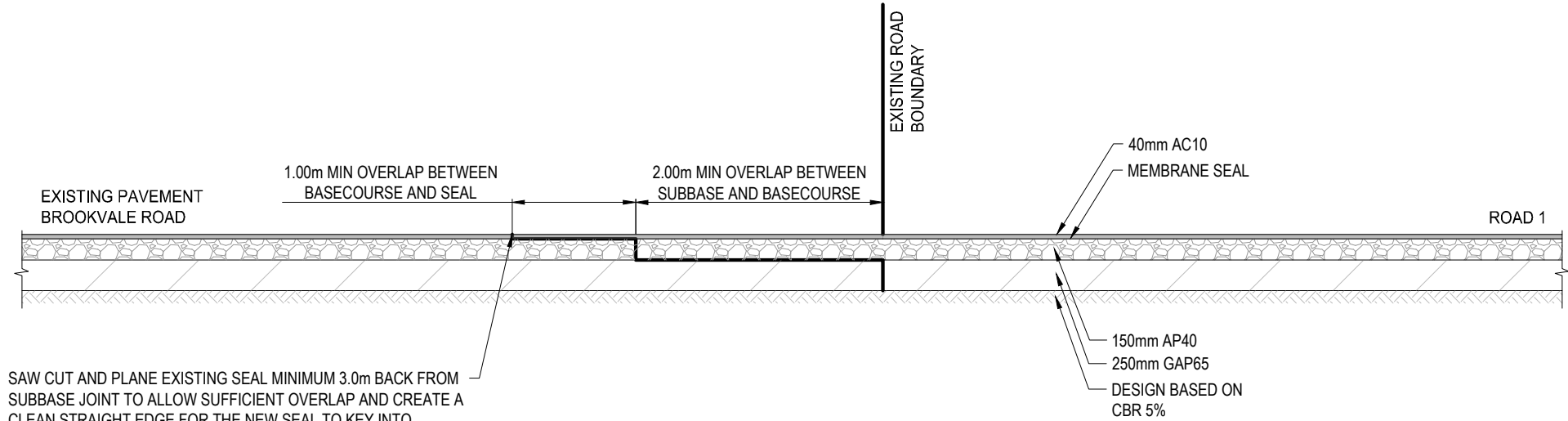
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Auckland 1023

Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
CONCRETE DETAILS**

Project no.	135041		
Scale	1:100 @ A3		
Cad file	135041-C330 RD CS.DWG		
Drawing no.	C330-9	Rev	A

RESOURCE CONSENT



TRANSVERSE TIE IN WITH EXISTING PAVEMENT
LONGITUDINAL SECTION DETAIL
SCALE 1:50 @A3

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Survey	TECH SP	02/2025	
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Drawn	RH	06/2026	
Checked	BB	07/2026	

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Project

**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title

**PROPOSED
CROSS SECTION
DETAIL**

Project no.	135041		
Scale	1:100 @ A3		
Cad file	135041-C330 RD CS.DWG		
Drawing no.	C330-10	Rev	A