



- 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 S01837/SOURCED FROM THE LINZ DIGITAL GEODETIC DATABASE.

LEGEND	
	EX BDY ABUTTAL
	PROP BDY
	EX STORMWATER
	PR PUBLIC STORMWATER
	EX/PROP SWMH
	PROP SWCP SINGLE
	PROP SWCP DOUBLE
	PR LOT CONNECTION WATERCOURSE
	PR RAIN GARDEN
	PR WETLAND
	PR WW RISING MAIN
	EX WASTEWATER
	PROP WASTEWATER
	EX/PROP WWMH

A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		05/2026
Drawn	RH		05/2026
Checked	BB		7/2026

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Auckland 1023

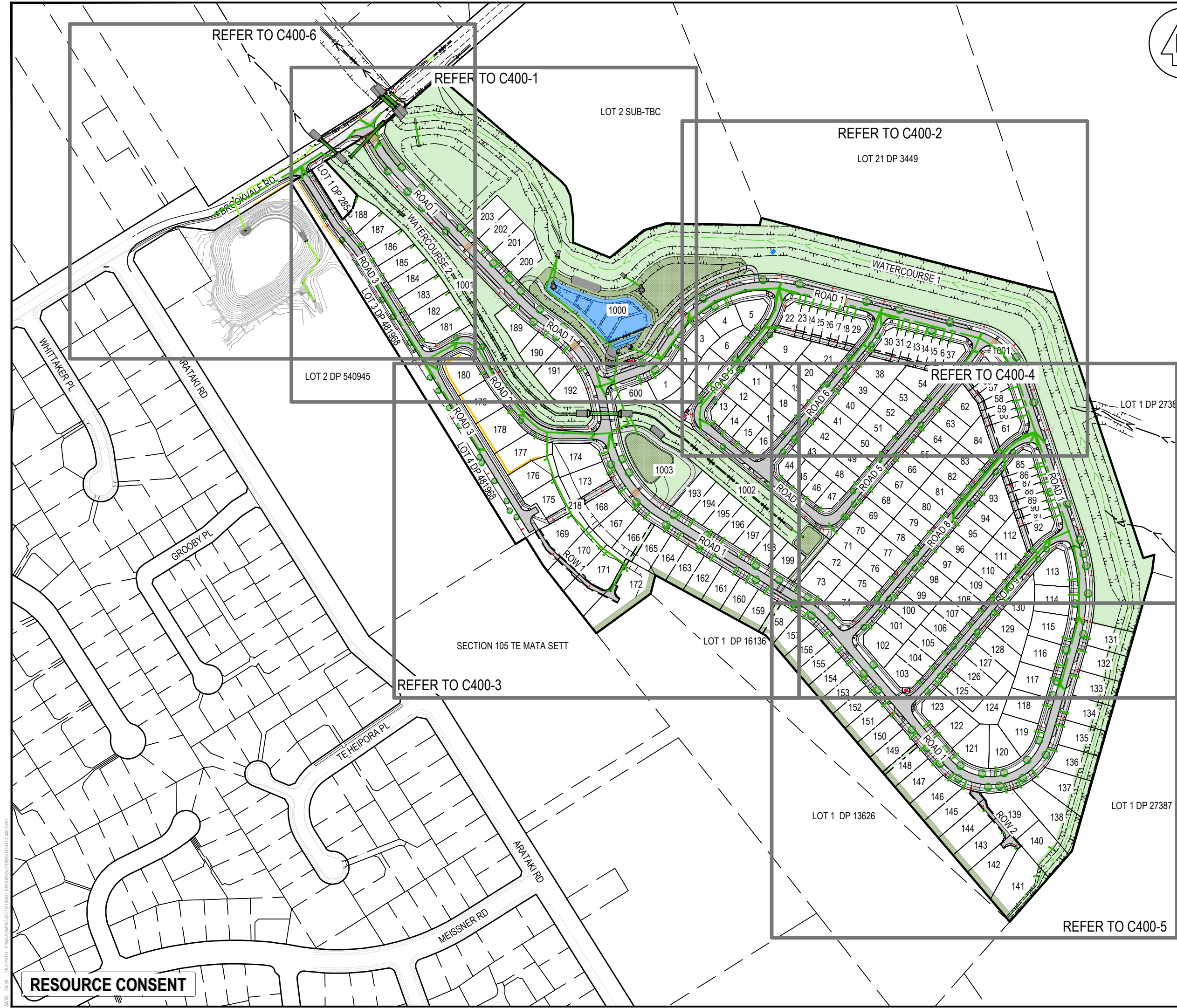
Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	135041		
Scale	1:3000 @ A3		
Cad file	135041-C400.DWG		
Drawing no.	C400	Rev	A

RESOURCE CONSENT

DATE: 7/2026 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\135041-C400.DWG



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 13. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

- LEGEND
- EX BDY ABUTTAL
 - PROP BDY
 - EX STORMWATER
 - PR PUBLIC STORMWATER
 - EX/PROP SWMH
 - PROP SWCP SINGLE
 - PROP SWCP DOUBLE
 - PR LOT CONNECTION
 - WATERCOURSE
 - PR RAIN GARDEN
 - PR WETLAND
 - PR WW RISING MAIN
 - EX WASTEWATER
 - PROP WASTEWATER
 - EX/PROP WWMH

A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
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Checked	BB		7/2026

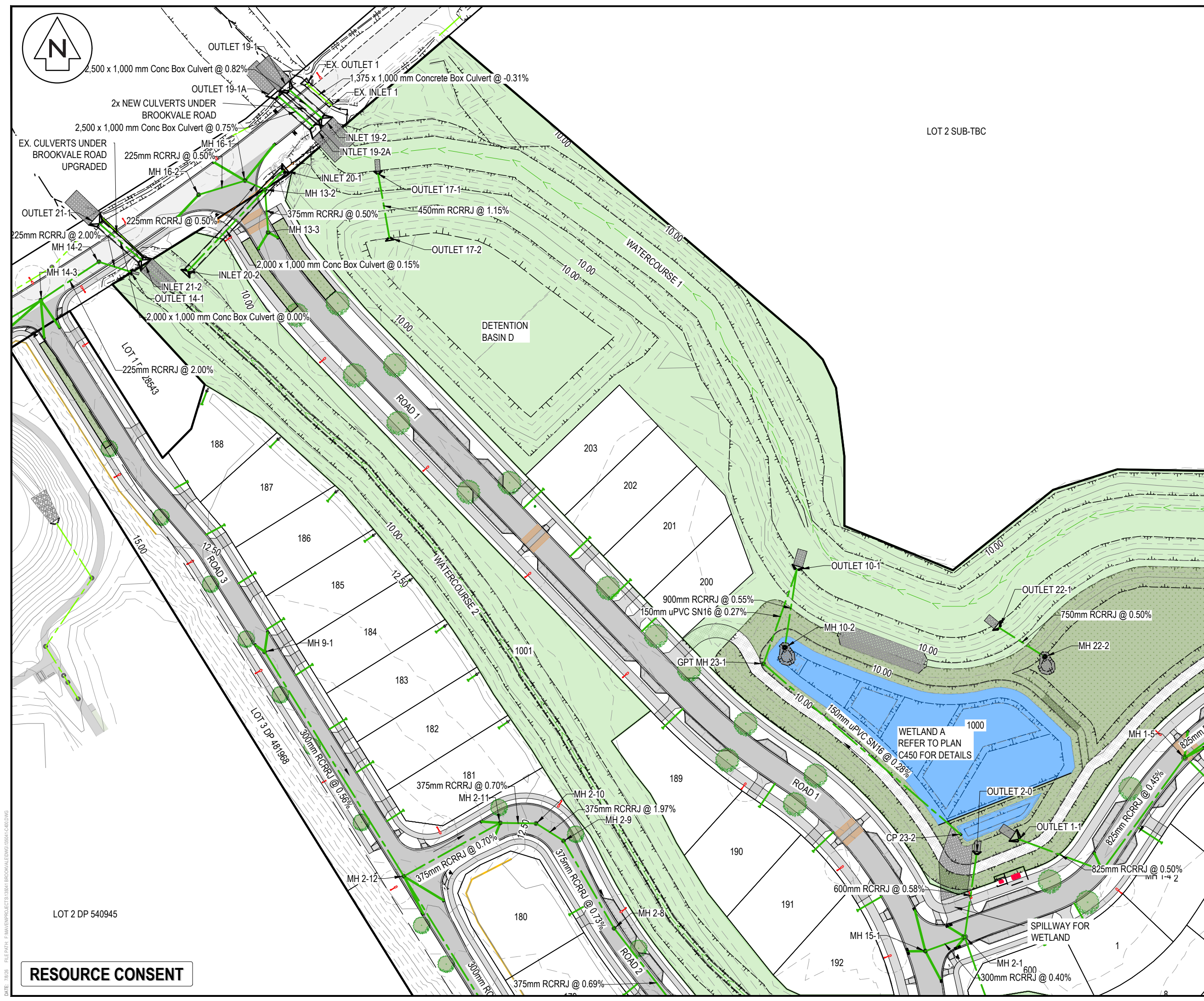


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	135041
Scale	1:3000 @ A3
Cad file	135041-C400.DWG
Drawing no.	C400-0
Rev	A

RESOURCE CONSENT



- NOTES
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HAVELOCK NORTH
FOR
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PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C400.DWG
Drawing no.	C400-1
Rev	A

RESOURCE CONSENT

DATE: 7/2026 FILE PATH: F:\MVEN\PROJECTS\135041 BROOKVALE.DWG\035041-C400.DWG



LOT 21 DP 3449

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■	PR WETLAND
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---	PROP WASTEWATER
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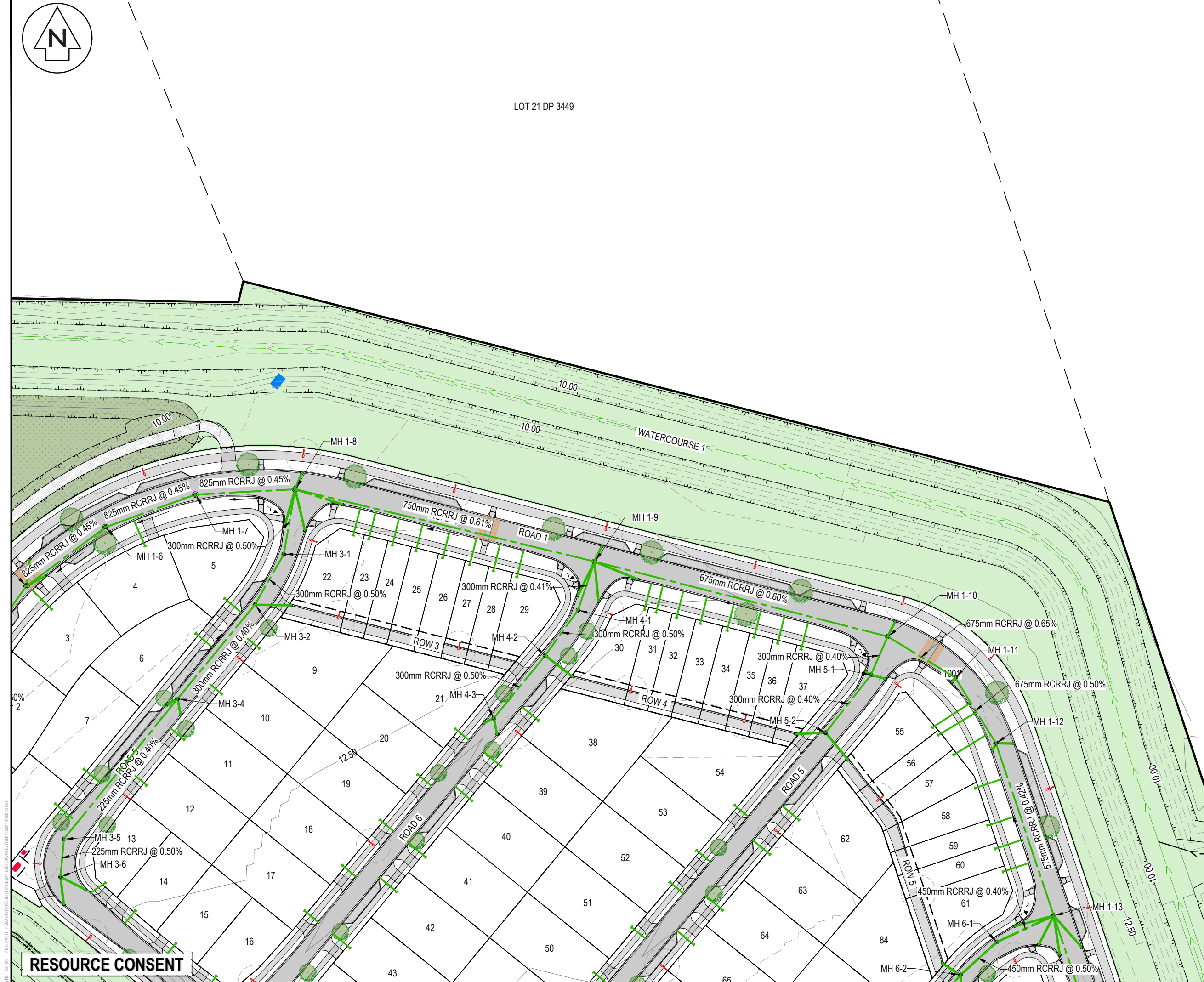
A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
Survey	TECH SP		02/2025
Design	RH		05/2026
Drawn	RH		05/2026
Checked	BB		7/2026



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

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C400.DWG
Drawing no.	C400-2
Rev	A



DATE: 7/2026 FILE PATH: F:\Maven\PROJECTS\135041 BROOKVALE\DWG\135041-C400.DWG



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- LEGEND
- | | |
|-----|----------------------|
| --- | EX BDY ABUTTAL |
| --- | PROP BDY |
| --- | EX STORMWATER |
| --- | PR PUBLIC STORMWATER |
| --- | EX/PROP SWMH |
| --- | PROP SWCP SINGLE |
| --- | PROP SWCP DOUBLE |
| --- | PR LOT CONNECTION |
| --- | WATERCOURSE |
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| --- | PR WW RISING MAIN |
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Rev	Description	By	Date
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Design	RH		05/2026
Drawn	RH		05/2026
Checked	BB		7/2026



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

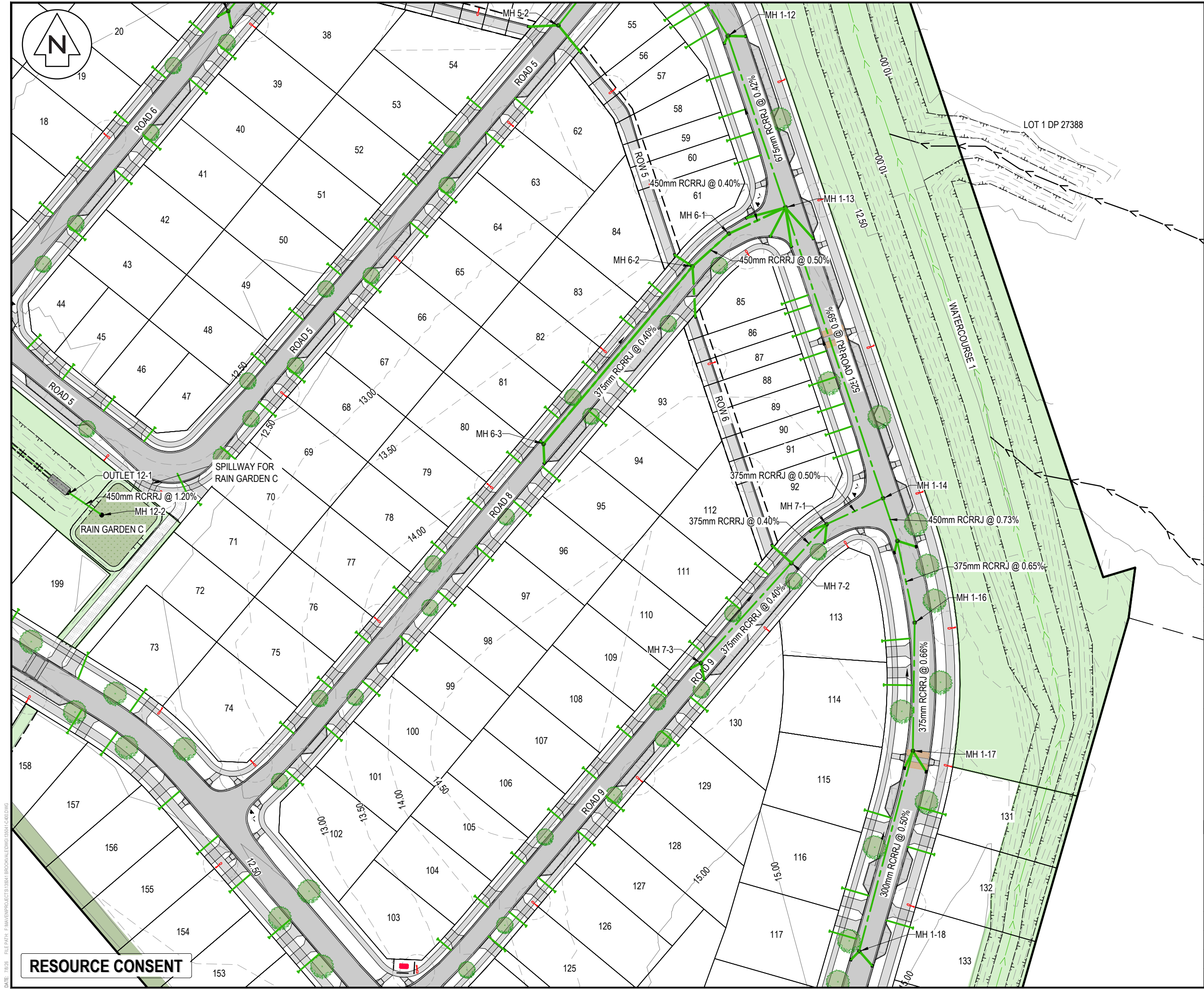
Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C400.DWG
Drawing no.	C400-3
Rev	A

SECTION 105 TE MATA SETT

RESOURCE CONSENT

DATE: 7/2026 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\135041-C400.DWG



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---	EX BDY ABUTTAL
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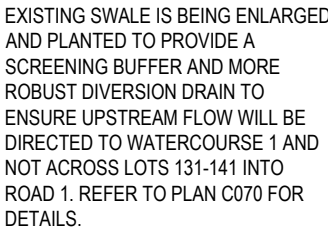
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Survey	TECH SP		02/2025
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Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C400.DWG
Drawing no.	C400-4
Rev	A



- LEGEND**
- | | |
|--|----------------------|
| | EX BDY ABUTTAL |
| | PROP BDY |
| | EX STORMWATER |
| | PR PUBLIC STORMWATER |
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| | PROP SWCP SINGLE |
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| | PR WETLAND |
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| | EX WASTEWATER |
| | PROP WASTEWATER |
| | EX/PROP WWMH |

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Auckland 1023

Title

**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	135041		
Scale	1:1000 @ A3		
Cad file	135041-C400.DWG		
Drawing no.	C400-5	Rev	A



- NOTES
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Survey	TECH SP		02/2025
Design	RH		05/2026
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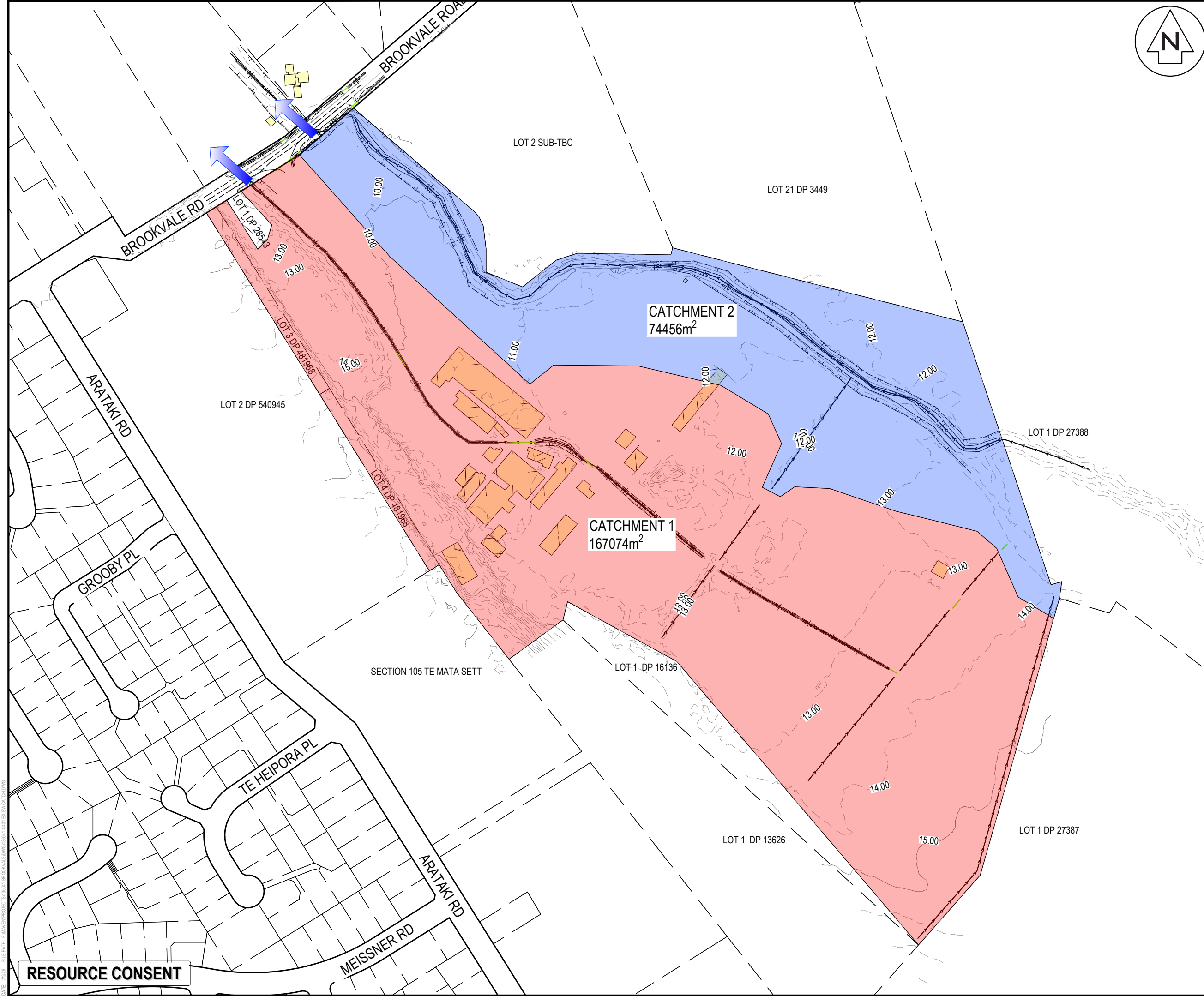
Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C400.DWG
Drawing no.	C400-6
Rev	A

RESOURCE CONSENT

DATE: 7/2026 FILE PATH: F:\MVEN\PROJECTS\135041 BROOKVALE.DWG\035041-C400.DWG



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 5. BOUNDARIES ARE SUBJECT TO FINAL SURVEY.
 6. LEGAL DESCRIPTION : LOT 1 & 2 DP 16311 , LOT 2 DP 7771, LOT 2 DP 529421

LEGEND	
	EX BDY
	EX MAJOR CONTOUR
	EX MINOR CONTOUR
	EXISTING WATERCOURSE
	PR CATCHMENT 2
	PR CATCHMENT 1

A	SUBSTANTIVE APPLICATION	RH	06/2026
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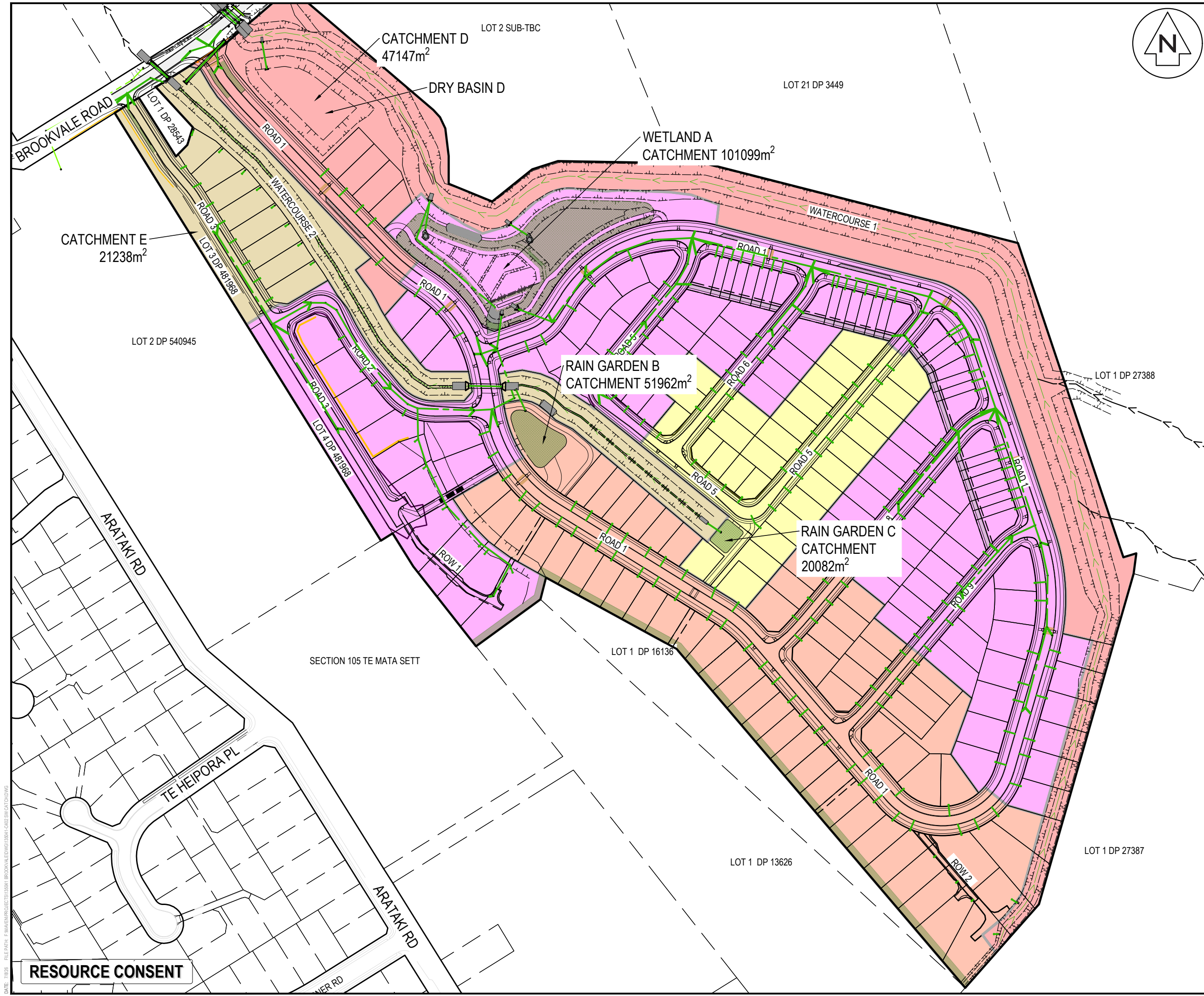
Project

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

Title

**EXISTING
STORMWATER
CATCHMENT PLAN**

Project no.	135041		
Scale	1:3000 @ A3		
Cad file	135041-C401 EX SW CATCH.DWG		
Drawing no.	C401	Rev	A



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	PR LOT CONNECTION
	PR WETLAND
	WATERCOURSE
	PR CATCHMENT A
	PR CATCHMENT B
	PR CATCHMENT C
	PR CATCHMENT D
	PR CATCHMENT E

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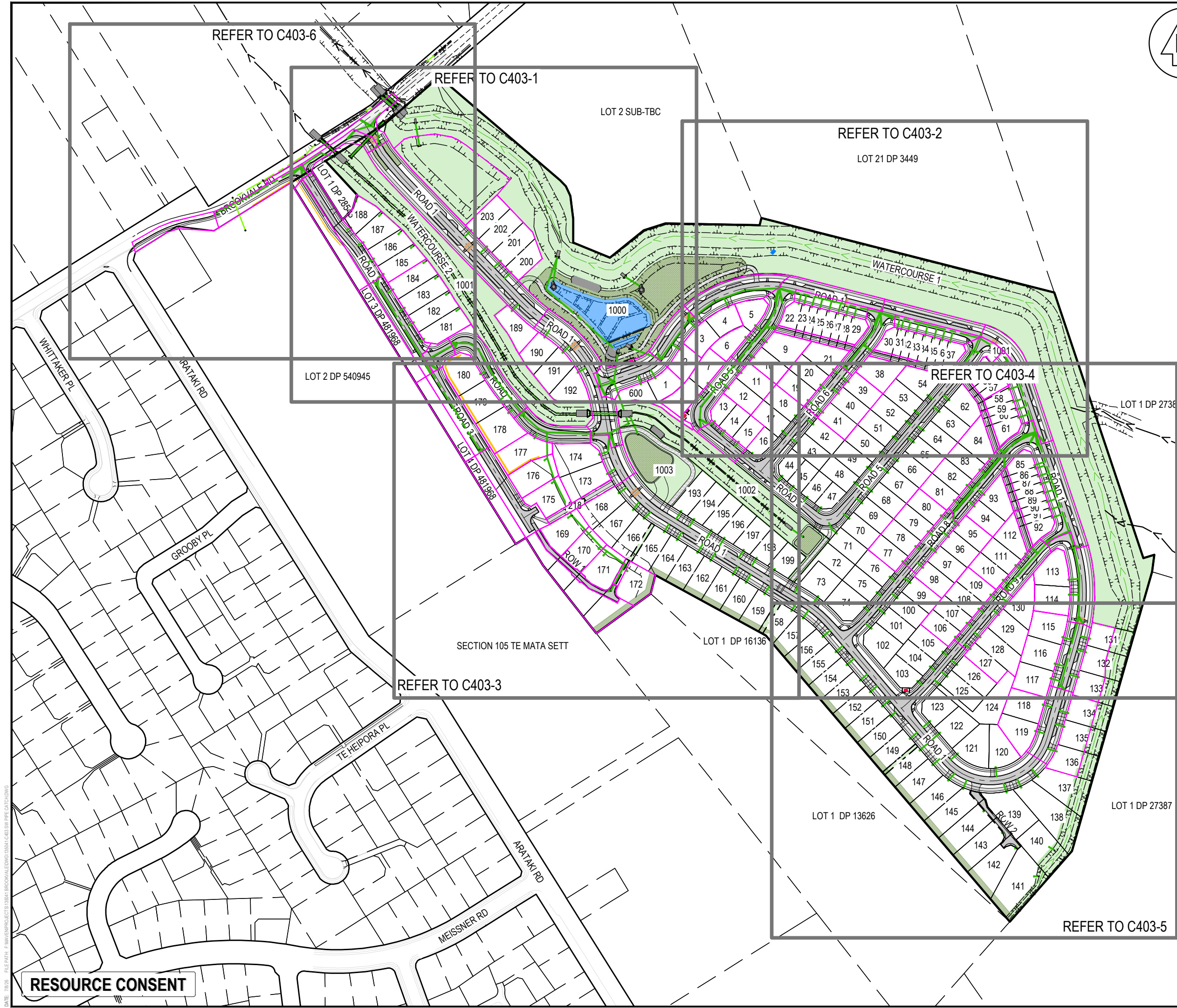
Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED
STORMWATER DRAINAGE
CATCHMENT PLAN**

Project no.	135041
Scale	1:2500 @ A3
Cad file	135041-C402 SW CATCH.DWG
Drawing no.	C402-1
Rev	A

RESOURCE CONSENT

DATE: 7/2025 FILEPATH: F:\Maven\PROJECTS\135041 BROOKVALE\DWG\135041-C402 SW CATCH.DWG



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 6. PIPE BEDDING: 0 - 10% GRANULAR BEDDING, 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (7MPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 7. EACH CONNECTION SHALL BE MARKED BY A 50MMX50MM TREATED PINE STAKE EXTENDING 600MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 8. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 9. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
 10. ALL MANHOLES ARE TO BE 1050MMØ PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
 11. ALL CATCHPIT LEADS SHALL HAVE MIN COVER 0.75M.
 12. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 13. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

- LEGEND
- EX BDY ABUTTAL
 - PROP BDY
 - EX STORMWATER
 - PR PUBLIC STORMWATER
 - EX/PROP SWMH
 - PROP SWCP SINGLE
 - PROP SWCP DOUBLE
 - PR LOT CONNECTION
 - WATERCOURSE
 - PR WETLAND
 - PR CATCHMENTS
 - PR MAJOR CONTOUR
 - PR MINOR CONTOUR

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



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

Title
**PROPOSED
STORMWATER DRAINAGE
CATCHMENT PLAN**

Project no.	135041
Scale	1:3000 @ A3
Cad file	135041-C403 SW PIPE CATCH.DWG
Drawing no.	C403-0
Rev	A

RESOURCE CONSENT



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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LEGEND

---	EX BDY ABUTTAL
---	PROP BDY
---	EX STORMWATER
---	PR PUBLIC STORMWATER
○	EX/PROP SWMH
□	PROP SWCP SINGLE
□	PROP SWCP DOUBLE
→	PR LOT CONNECTION
→	WATERCOURSE
■	PR WETLAND
□	PR CATCHMENTS
---	PR MAJOR CONTOUR
---	PR MINOR CONTOUR

A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
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Project

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

Title

**PROPOSED
STORMWATER DRAINAGE
CATCHMENT PLAN**

Project no.	135041		
Scale	1:1000 @ A3		
Cad file	135041-C403 SW PIPE CATCH.DWG		
Drawing no.	C403-1	Rev	A

DATE: 7/2026 FILE PATH: F:\MVEN\PROJECTS\135041 BROOKVALE\DWG\135041-C403 SW PIPE CATCH.DWG

RESOURCE CONSENT



LOT 21 DP 3449

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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- LEGEND
- EX BDY ABUTTAL
 - PROP BDY
 - EX STORMWATER
 - PR PUBLIC STORMWATER
 - EX/PROP SWMH
 - PROP SWCP SINGLE
 - PROP SWCP DOUBLE
 - PR LOT CONNECTION
 - WATERCOURSE
 - PR WETLAND
 - PR CATCHMENTS
 - PR MAJOR CONTOUR
 - PR MINOR CONTOUR

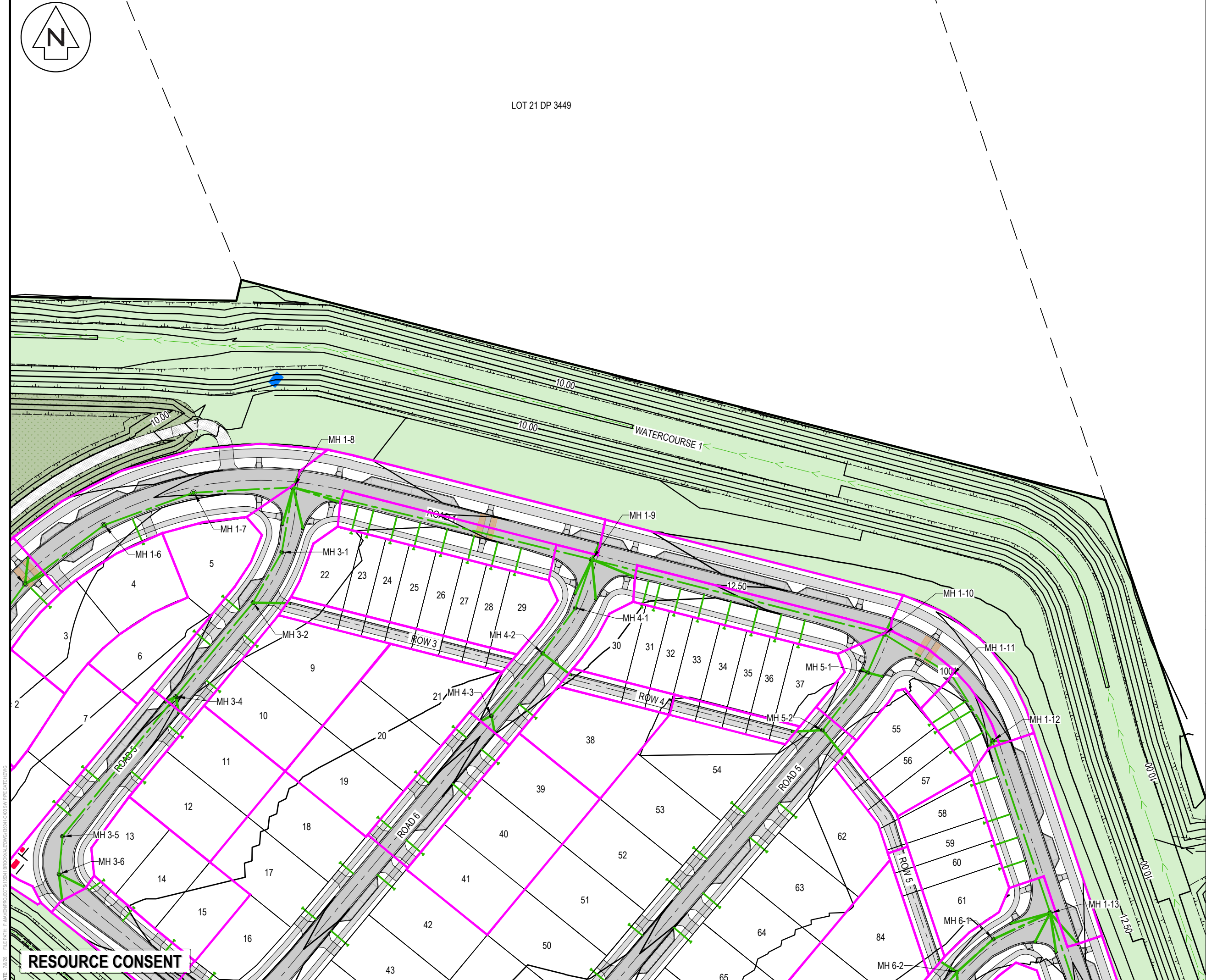
A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
Drawn	RH		06/2026
Checked	BB		07/2026



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

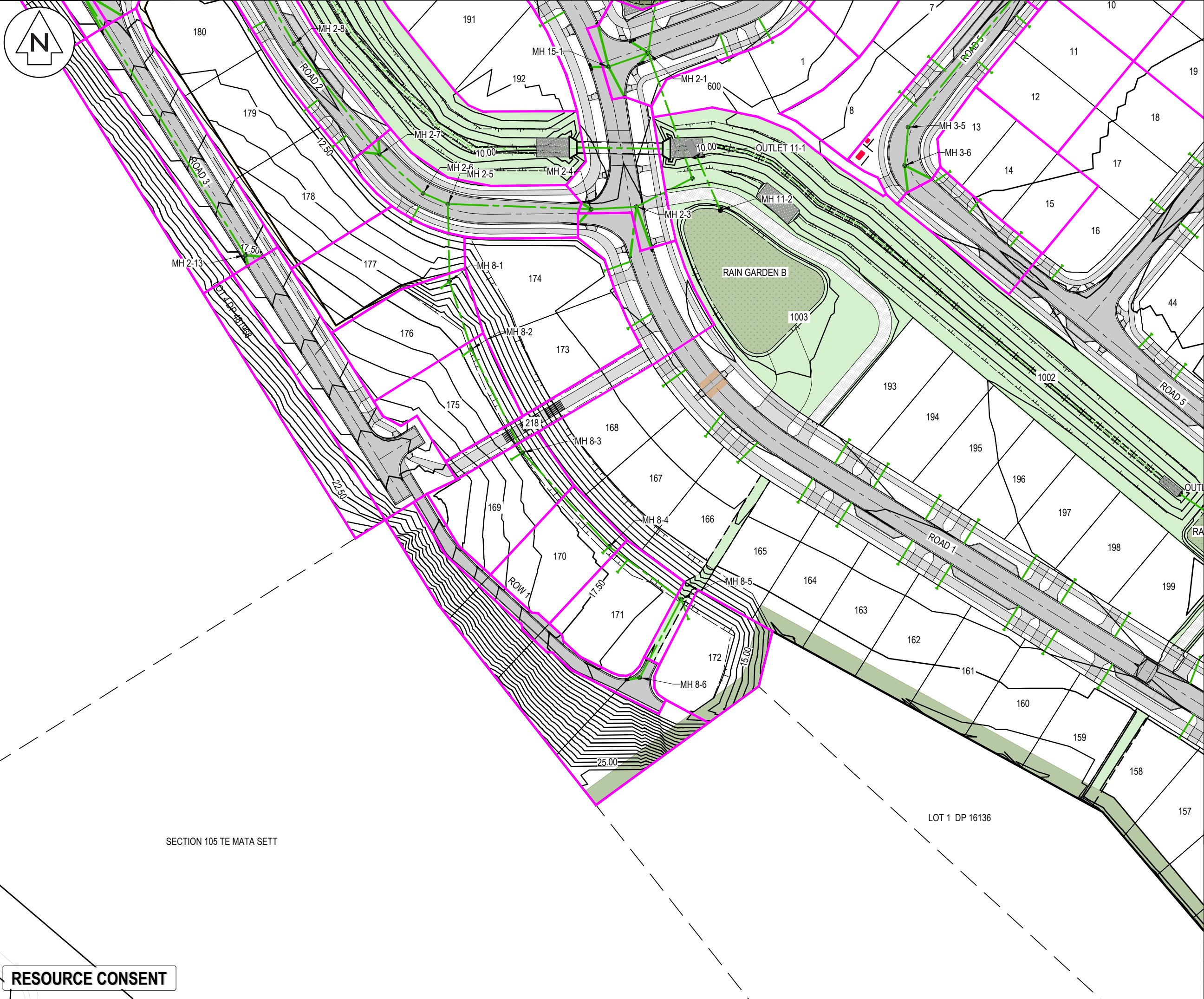
Title
**PROPOSED
STORMWATER DRAINAGE
CATCHMENT PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C403 SW PIPE CATCH.DWG
Drawing no.	C403-2
Rev	A



RESOURCE CONSENT

DATE: 7/20/26 FILE PATH: F:\Maven\PROJECTS\135041 BROOKVALE GREEN\135041 C403 SW PIPE CATCH.DWG



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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LEGEND

---	EX BDY ABUTTAL
---	PROP BDY
---	EX STORMWATER
---	PR PUBLIC STORMWATER
○	EX/PROP SWMH
□	PROP SWCP SINGLE
□	PROP SWCP DOUBLE
→	PR LOT CONNECTION
→	WATERCOURSE
■	PR WETLAND
■	PR CATCHMENTS
---	PR MAJOR CONTOUR
---	PR MINOR CONTOUR

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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Project

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FOR
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PARTNERS NO. 4 LIMITED**

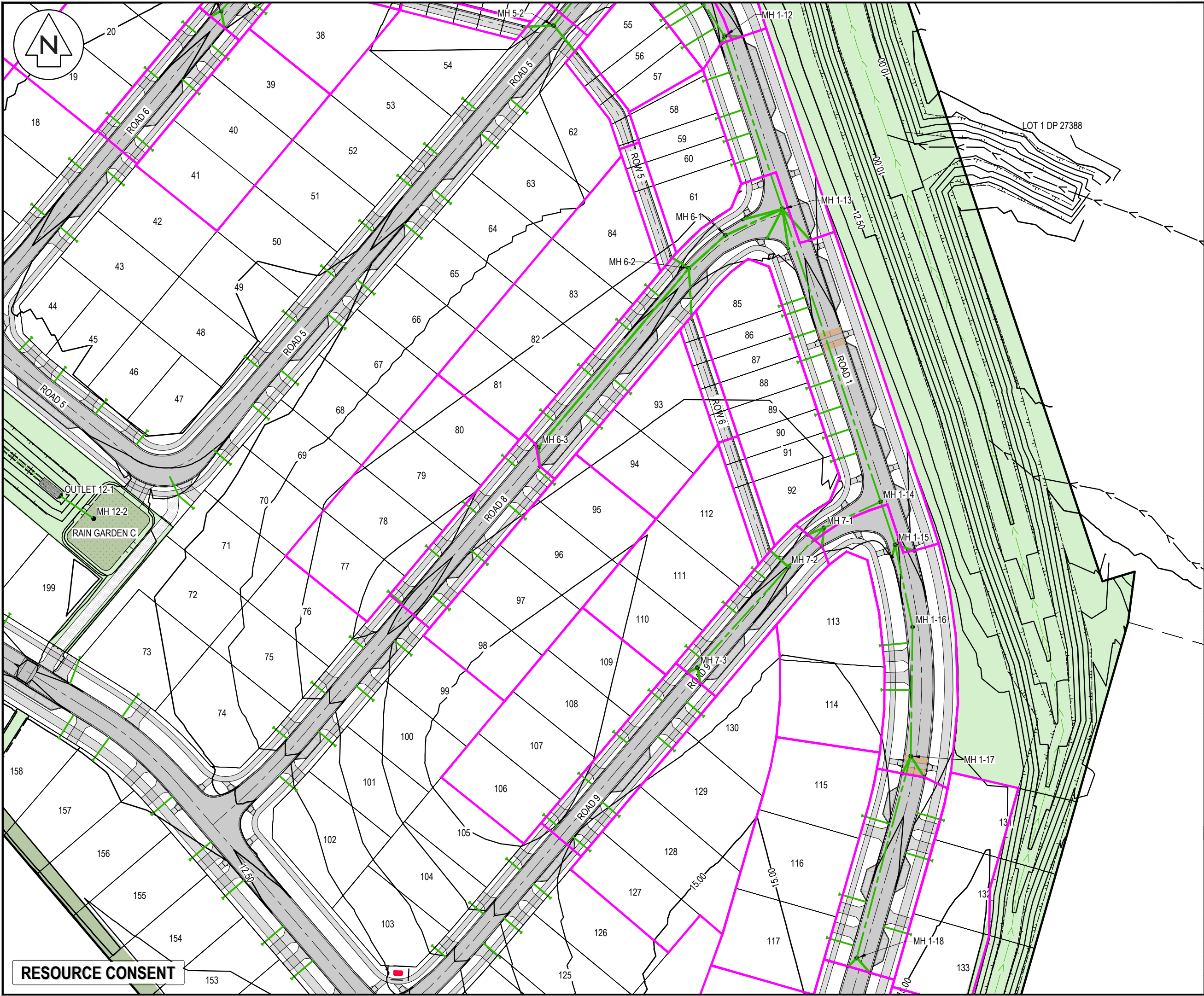
Title

**PROPOSED
STORMWATER DRAINAGE
CATCHMENT PLAN**

Project no.	135041		
Scale	1:1000 @ A3		
Cad file	135041-C403 SW PIPE CATCH.DWG		
Drawing no.	C403-3	Rev	A

RESOURCE CONSENT

DATE: 7/9/26 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\135041-C403 SW PIPE CATCH.DWG



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM HAWKES BAY 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
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- LEGEND
- EX BDY ABUTTAL
 - PROP BDY
 - EX STORMWATER
 - PR PUBLIC STORMWATER
 - EX/PROP SWMH
 - PROP SWCP SINGLE
 - PROP SWCP DOUBLE
 - PR LOT CONNECTION
 - WATERCOURSE
 - PR WETLAND
 - PR CATCHMENTS
 - PR MAJOR CONTOUR
 - PR MINOR CONTOUR

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

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Auckland 1023

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

Title
**PROPOSED
STORMWATER DRAINAGE
CATCHMENT PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C403 SW PIPE CATCH.DWG
Drawing no.	C403-4
Rev	A



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM HAWKES BAY 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
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A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
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Auckland 1023

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

Title
**PROPOSED
STORMWATER DRAINAGE
CATCHMENT PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C403 SW PIPE CATCH.DWG
Drawing no.	C403-5
Rev	A

RESOURCE CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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 - PR LOT CONNECTION
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 - PR CATCHMENTS
 - PR MAJOR CONTOUR
 - PR MINOR CONTOUR

A	SUBSTANTIVE APPLICATION	RH	06/2026
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Survey	TECH SP		02/2025
Design	RH		06/2026
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Checked	BB		07/2026



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

Title
**PROPOSED
STORMWATER DRAINAGE
CATCHMENT PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C403 SW PIPE CATCH.DWG
Drawing no.	C403-6
Rev	A

PIPE TO BE INSTALLED
BY NEIGHBOURING
DEVELOPMENT

RESOURCE CONSENT



- NOTES
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LEGEND

	PR BDY
	EX BDY
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PR PUBLIC SW
	OVERLAND FLOW PATH
	PR WETLAND
	RESERVE AREA

A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
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Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED 100YR
OVERLAND FLOW
PATH PLAN**

Project no.	135041
Scale	1:3000 @ A3
Cad file	135041-C405 OLFP.DWG
Drawing no.	C405-0
Rev	A

DATE: 7/2025 FILE PATH: F:\Maven\PROJECTS\135041 BROOKVALE\DWG\135041-C405 OLFP.DWG

RESOURCE CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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LEGEND

	PR BDY
	EX BDY
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PR PUBLIC SW
	OVERLAND FLOW PATH
	PR WETLAND
	RESERVE AREA

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

Title
**PROPOSED 100YR
OVERLAND FLOW
PATH PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C405 OLFP.DWG
Drawing no.	C405-1
Rev	A

RESOURCE CONSENT

LOT 21 DP 3449



- NOTES
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- PR BDY
- EX BDY
- PR MAJOR CONTOUR
- PR MINOR CONTOUR
- PR PUBLIC SW
- OVERLAND FLOW PATH
- PR WETLAND
- RESERVE AREA

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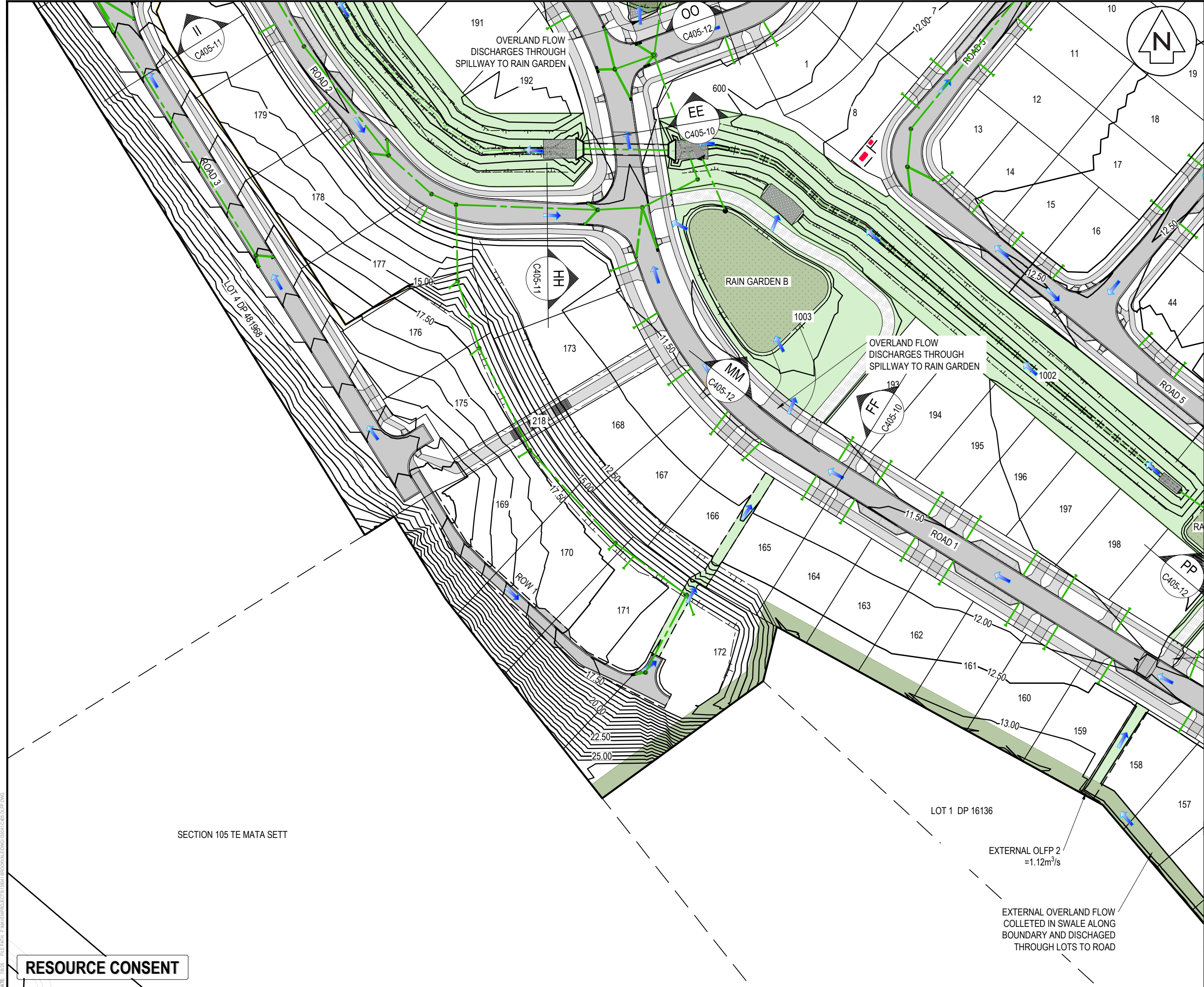
Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title
**PROPOSED 100YR
OVERLAND FLOW
PATH PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C405 OLFP.DWG
Drawing no.	C405-2
Rev	A

RESOURCE CONSENT

DATE: 7/2026 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE GREEN\135041-C405 OLFP.DWG



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LEGEND

PR BDY	PR BDY
EX BDY	EX BDY
PR MAJOR CONTOUR	PR MAJOR CONTOUR
PR MINOR CONTOUR	PR MINOR CONTOUR
PR PUBLIC SW	PR PUBLIC SW
OVERLAND FLOW PATH	OVERLAND FLOW PATH
PR WETLAND	PR WETLAND
RESERVE AREA	RESERVE AREA

Rev	Description	By	Date
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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5 Owens Road, Epsom
Auckland 1023

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

Title
**PROPOSED 100YR
OVERLAND FLOW
PATH PLAN**

Project no.	135041
Scale	1:1000 @ A3
Cad file	135041-C405 OLFP.DWG
Drawing no.	C405-3
Rev	A

RESOURCE CONSENT

DATE: 7/20/26 FILE PATH: F:\Maven\PROJECTS\135041 BROOKVALE.DWG\135041-C405 OLFP.DWG



- 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.

LEGEND

	PR BDY
	EX BDY
	PR MAJOR CONTOUR
	PR MINOR CONTOUR
	PR PUBLIC SW
	OVERLAND FLOW PATH
	PR WETLAND
	RESERVE AREA

A	SUBSTANTIVE APPLICATION	RH	06/2026
Rev	Description	By	Date
		By	Date
Survey	TECH SP		02/2025
Design	RH		06/2026
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Project

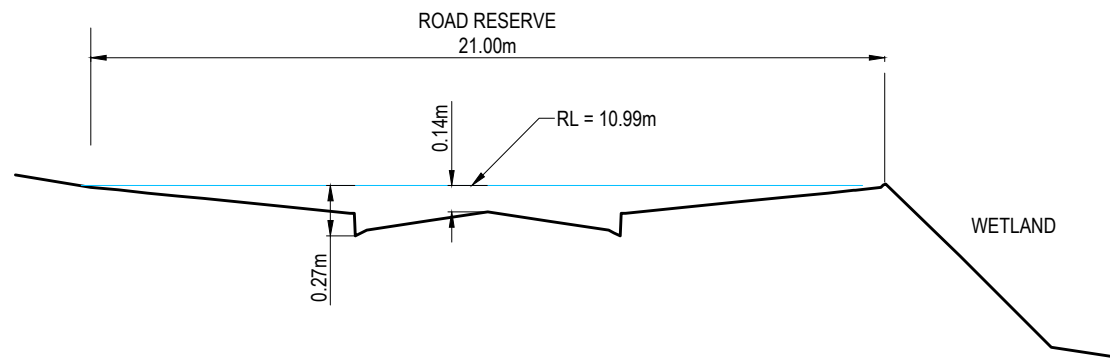
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title

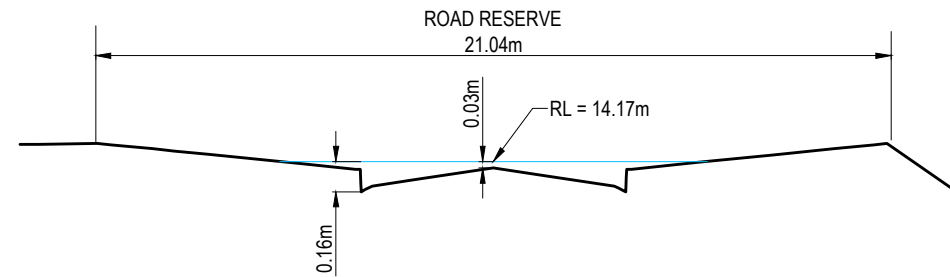
**PROPOSED 100YR
OVERLAND FLOW
PATH PLAN**

Project no.	135041		
Scale	1:1000 @ A3		
Cad file	135041-C405 OLFP.DWG		
Drawing no.	C405-5	Rev	A

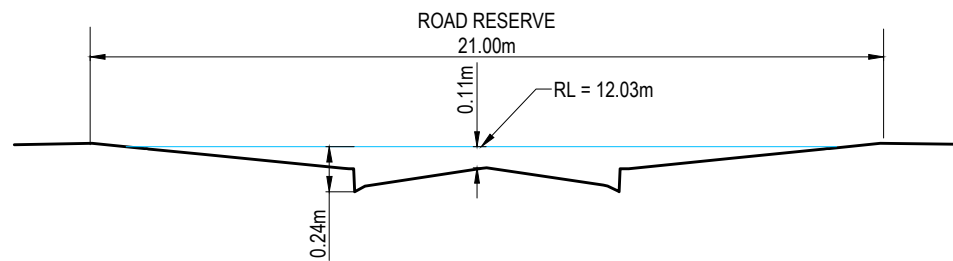
RESOURCE CONSENT



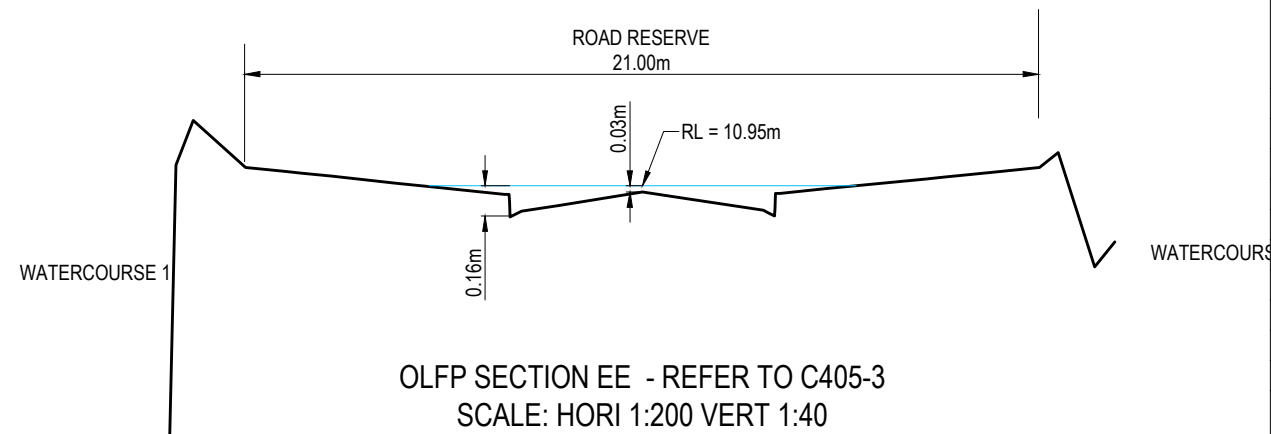
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SCALE: HORI 1:200 VERT 1:40



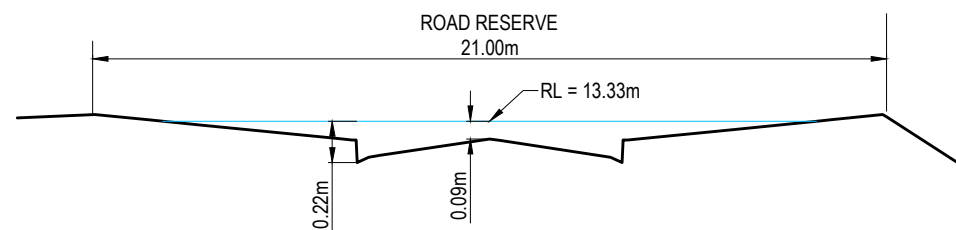
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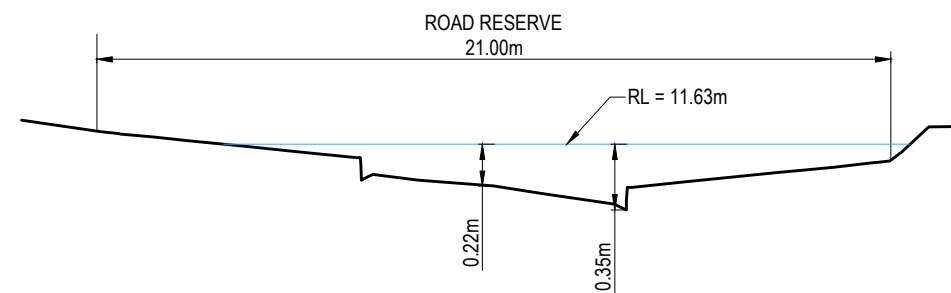
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SCALE: HORI 1:200 VERT 1:40



OLFP SECTION CC - REFER TO C405-2
SCALE: HORI 1:200 VERT 1:40



OLFP SECTION FF - REFER TO C405-3
SCALE: HORI 1:200 VERT 1:40

- NOTES
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LEGEND

PGL
WATER LEVEL

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

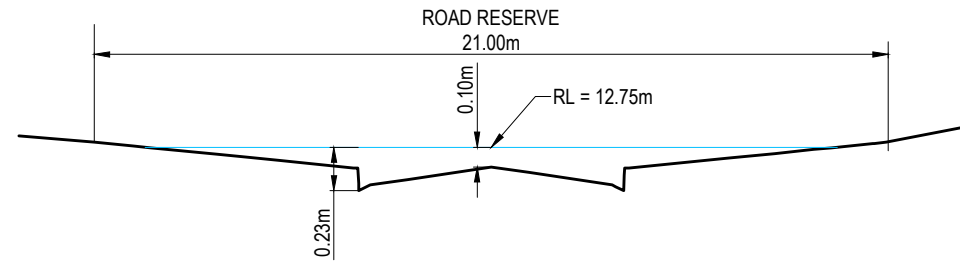


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

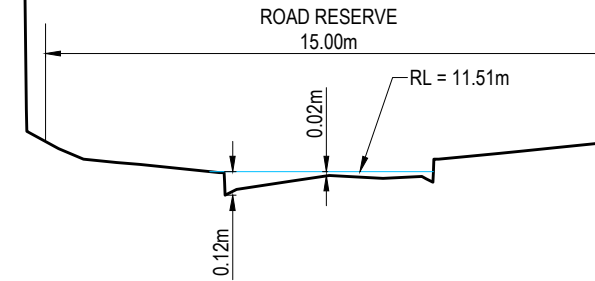
Title
**PROPOSED
OVERLAND FLOW PATH
CROSS SECTIONS**

Project no.	135041
Scale	1:200 @ A3
Cad file	135041-C405 OLFP.DWG
Drawing no.	C405-10
Rev	A

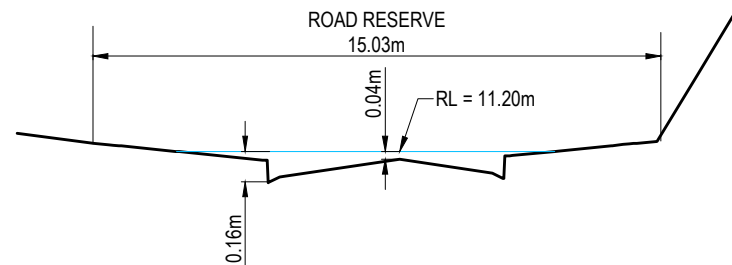
RESOURCE CONSENT



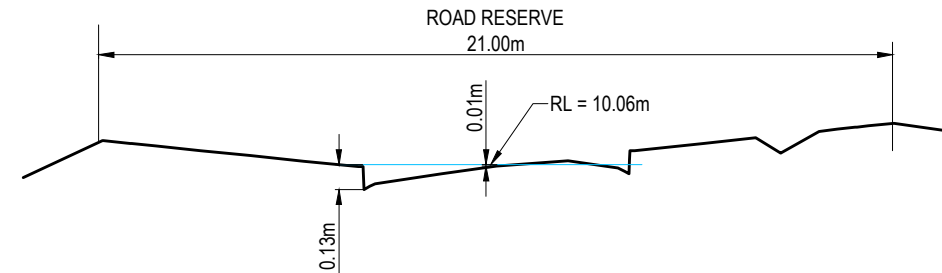
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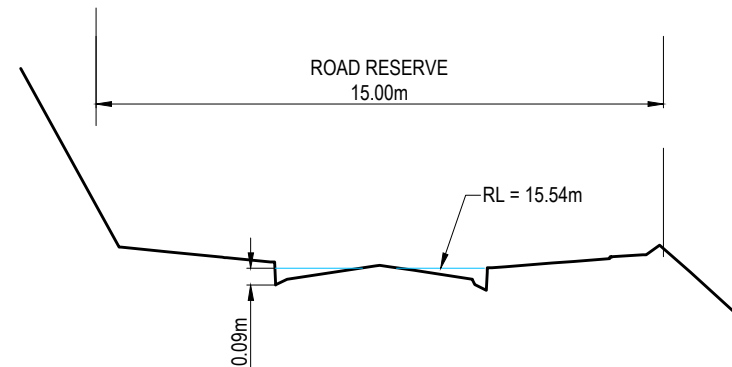
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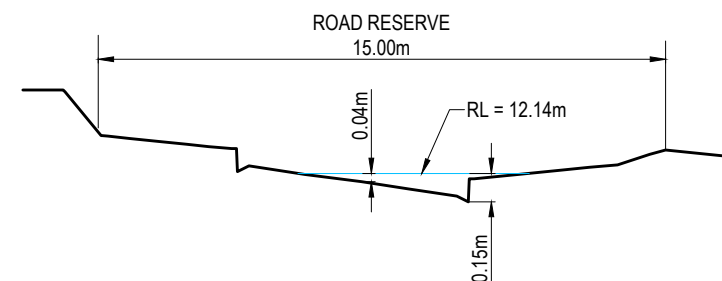
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SCALE: HORI 1:200 VERT 1:40



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SCALE: HORI 1:200 VERT 1:40



OLFP SECTION II - REFER TO C405-3
SCALE: HORI 1:200 VERT 1:40



OLFP SECTION LL - REFER TO C405-4
SCALE: HORI 1:200 VERT 1:40

- 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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LEGEND

PGL
WATER LEVEL

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

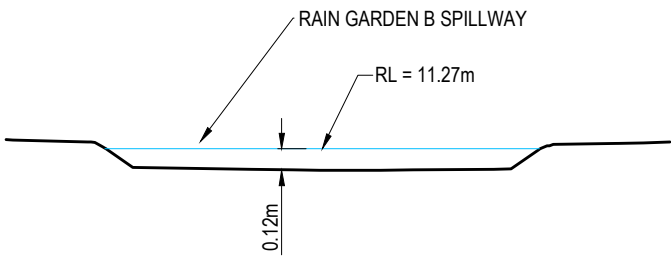
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

Title

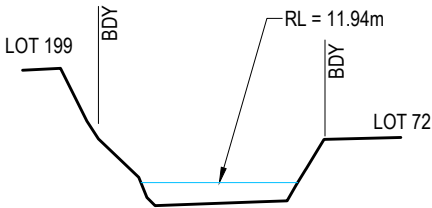
**PROPOSED
OVERLAND FLOW PATH
CROSS SECTIONS**

Project no.	135041
Scale	1:200 @ A3
Cad file	135041-C405 OLFP.DWG
Drawing no.	C405-11
Rev	A

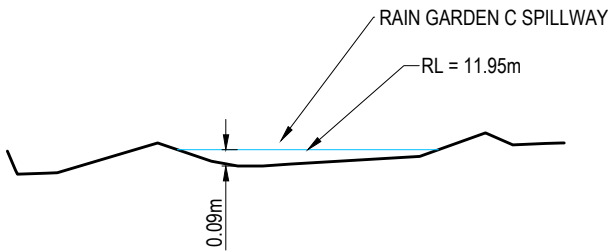
RESOURCE CONSENT



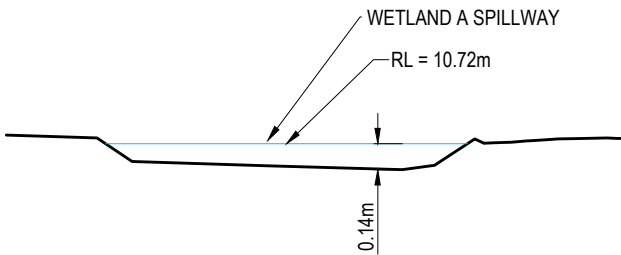
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SCALE: HORI 1:200 VERT 1:40



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SCALE: HORI 1:200 VERT 1:40



OLFP SPILLWAY SECTION NN - REFER TO C405-4
SCALE: HORI 1:200 VERT 1:40



OLFP SPILLWAY SECTION OO - REFER TO C405-1
SCALE: HORI 1:200 VERT 1:40

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
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LEGEND

PGL
WATER LEVEL

A	SUBSTANTIVE APPLICATION	RH	06/2026
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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
OVERLAND FLOW PATH
CROSS SECTIONS**

Project no.	135041		
Scale	1:200 @ A3		
Cad file	135041-C405 OLFP.DWG		
Drawing no.	C405-12	Rev	A



- 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.

- LEGEND
- PR BDY
 - EX BDY
 - PR MAJOR CONTOUR
 - PR MINOR CONTOUR
 - PR PUBLIC SW
 - OVERLAND FLOW PATH
 - PR WETLAND
 - RESERVE AREA

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

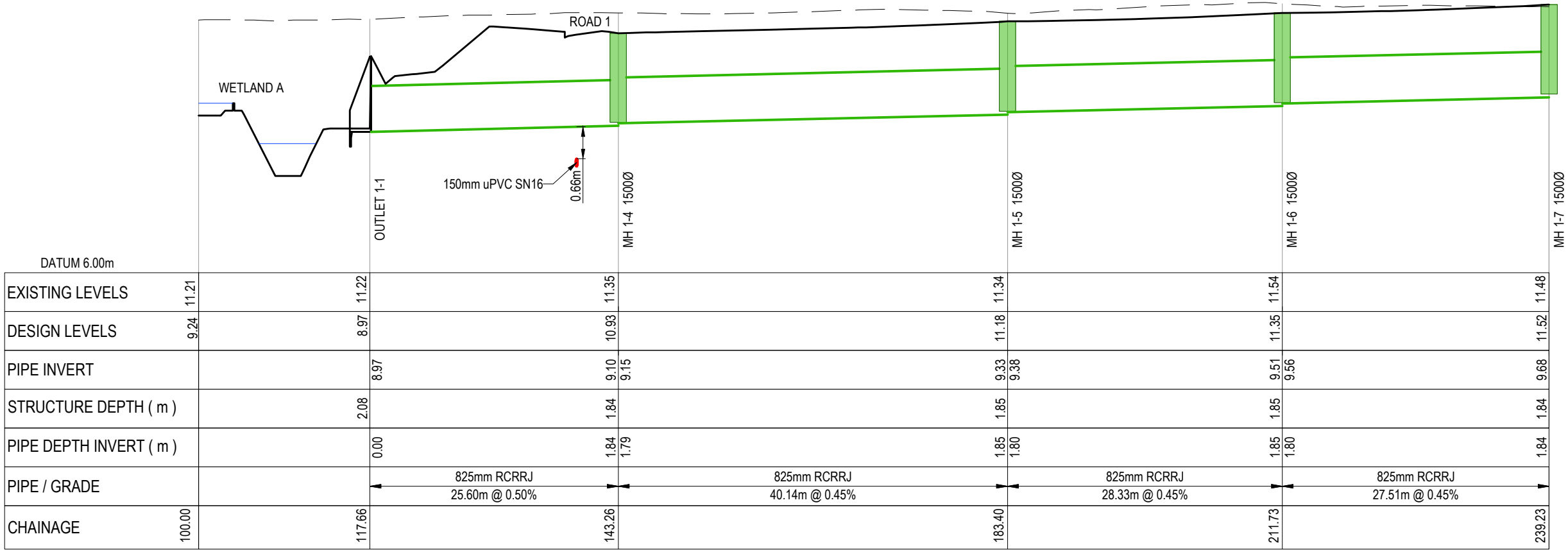
Title
**PROPOSED 100YR
OVERLAND FLOW PATH
CATCHMENT PLAN**

Project no.	135041
Scale	1:3000 @ A3
Cad file	135041-C405 OLFP.DWG
Drawing no.	C405-13
Rev	A

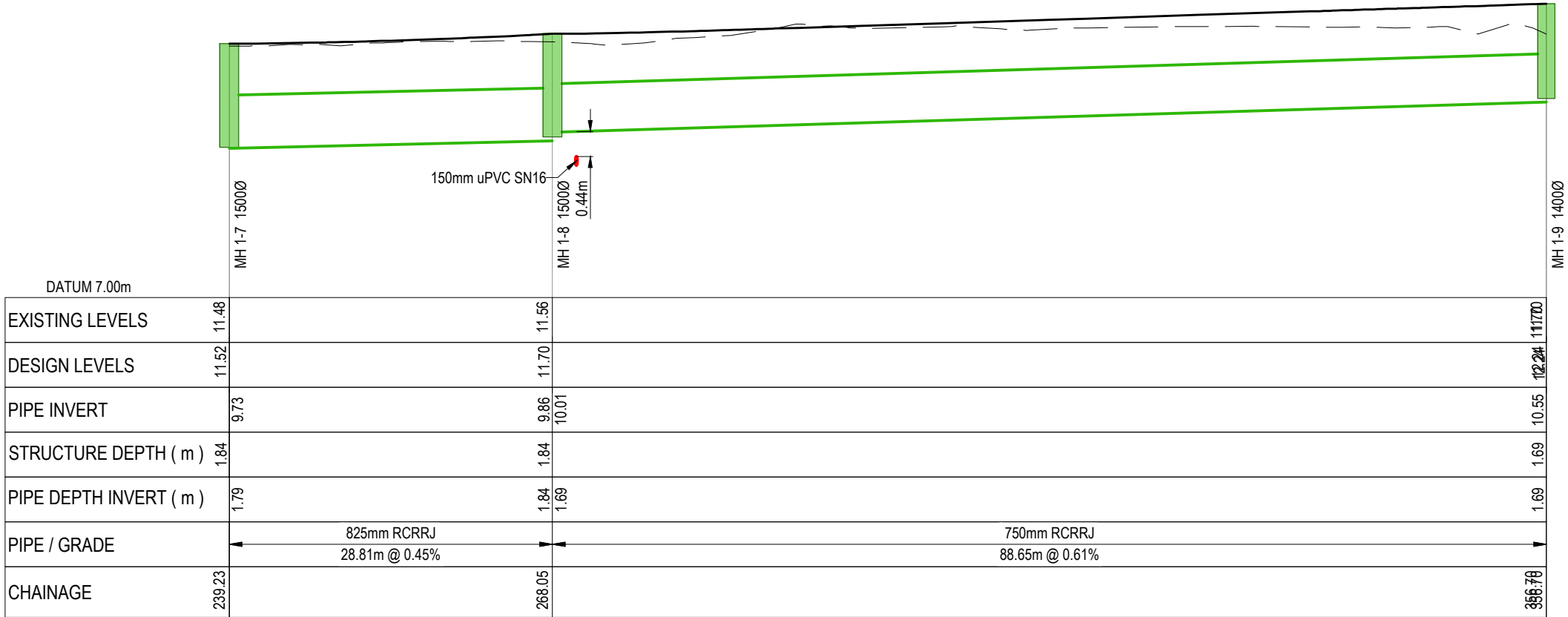
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RESOURCE CONSENT

DATE: 6/26/26 FILEPATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\03041-C410 SW LS.DWG



PROPOSED STORMWATER LONGSECTION LINE 1
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONGSECTION LINE 1 CONT.
SCALE: HORI 1:500 VERT 1:100

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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 6. PIPE BEDDING: 0 - 10% GRANULAR BEDDING, 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (7MPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 7. EACH CONNECTION SHALL BE MARKED BY A 50MMX50MM TREATED PINE STAKE EXTENDING 600MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 8. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 9. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
 10. ALL MANHOLES ARE TO BE 1050MMØ PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
 11. ALL CATCHPIT LEADS SHALL HAVE MIN COVER 0.75M.
 12. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 13. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

- LEGEND
- EX GROUND LEVEL
 - PR GROUND LEVEL
 - HARDFILL BACKFILL
 - LOT CONNECTION
 - CROSSING PIPE

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

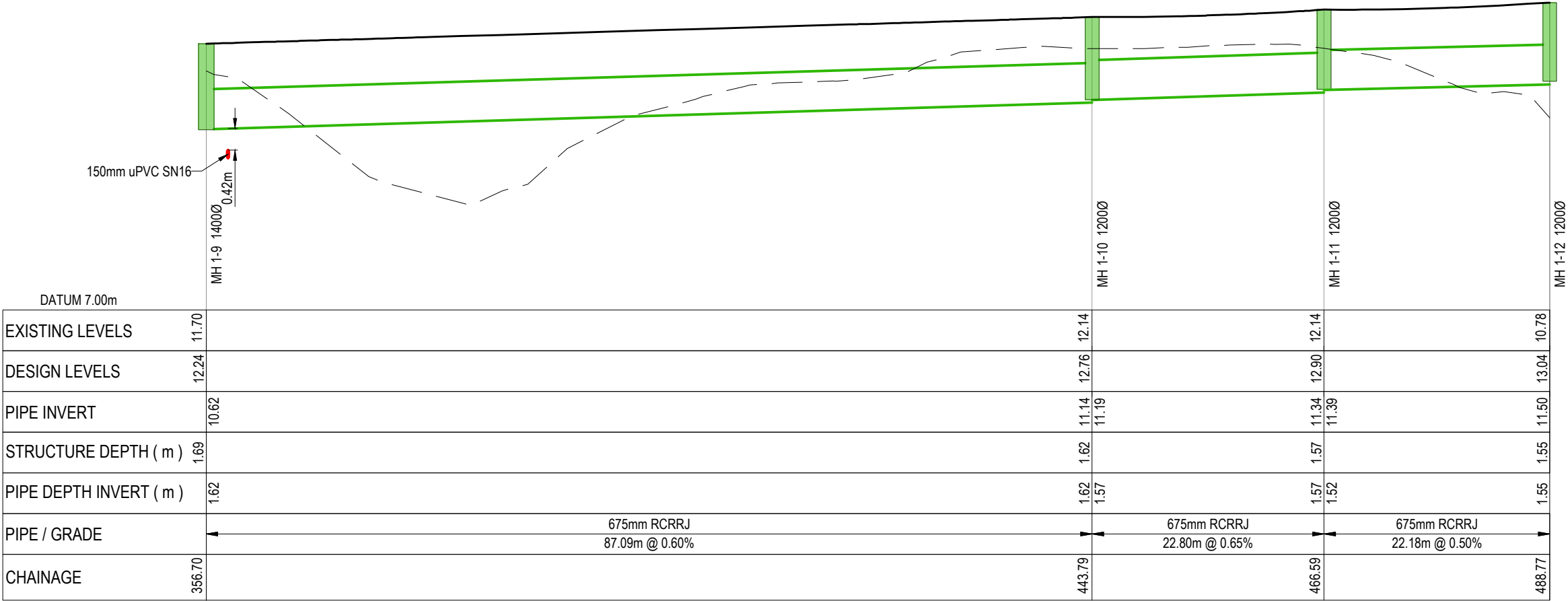


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

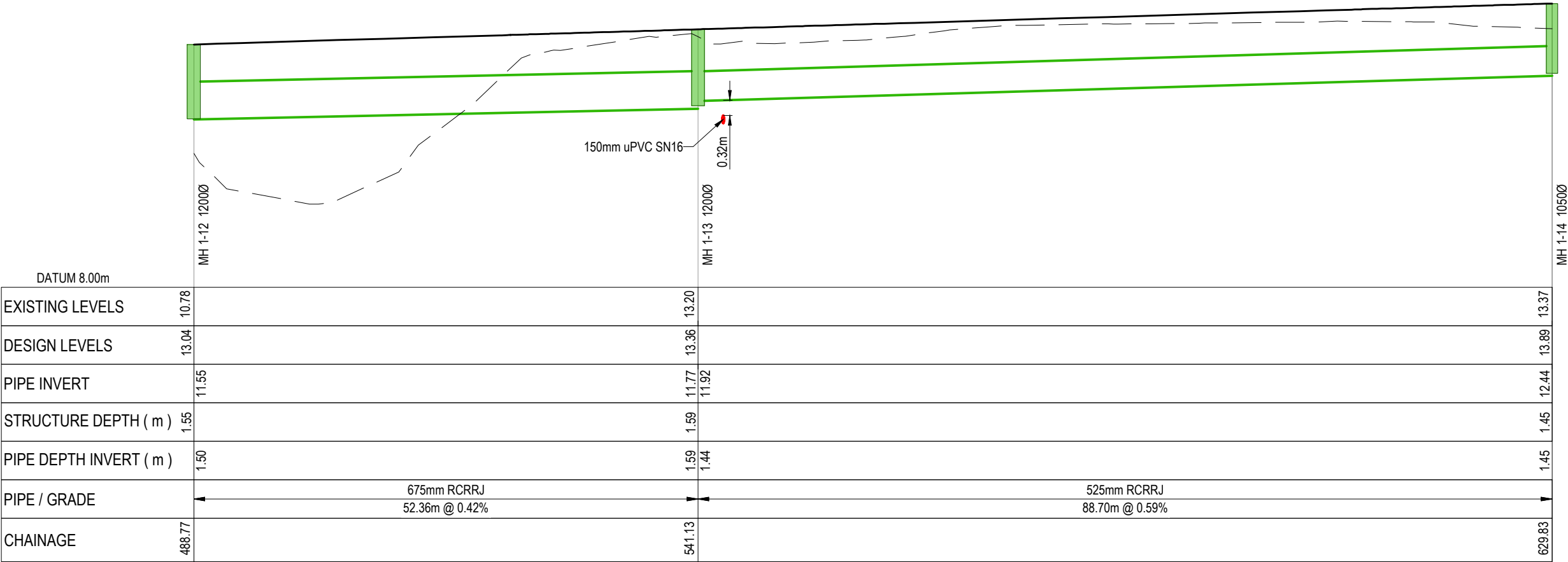
Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041
Scale	1:500 @ A3
Cad file	135041-C410 SW LS.DWG
Drawing no.	C410-1
Rev	A

DATE: 6/26/26 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\03041-C410 SW LS.DWG



PROPOSED STORMWATER LONGSECTION LINE 1 CONT..
SCALE: HORI 1:500 VERT 1:100



RESOURCE CONSENT

PROPOSED STORMWATER LONGSECTION LINE 1 CONT..
SCALE: HORI 1:500 VERT 1:100

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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 5. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 6. PIPE BEDDING: 0 - 10% GRANULAR BEDDING, 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (7MPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 7. EACH CONNECTION SHALL BE MARKED BY A 50MMX50MM TREATED PINE STAKE EXTENDING 600MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 8. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 9. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
 10. ALL MANHOLES ARE TO BE 1050MMØ PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
 11. ALL CATCHPIT LEADS SHALL HAVE MIN COVER 0.75M.
 12. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 13. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

- LEGEND
- EX GROUND LEVEL
 - PR GROUND LEVEL
 - HARDFILL BACKFILL
 - LOT CONNECTION
 - CROSSING PIPE

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

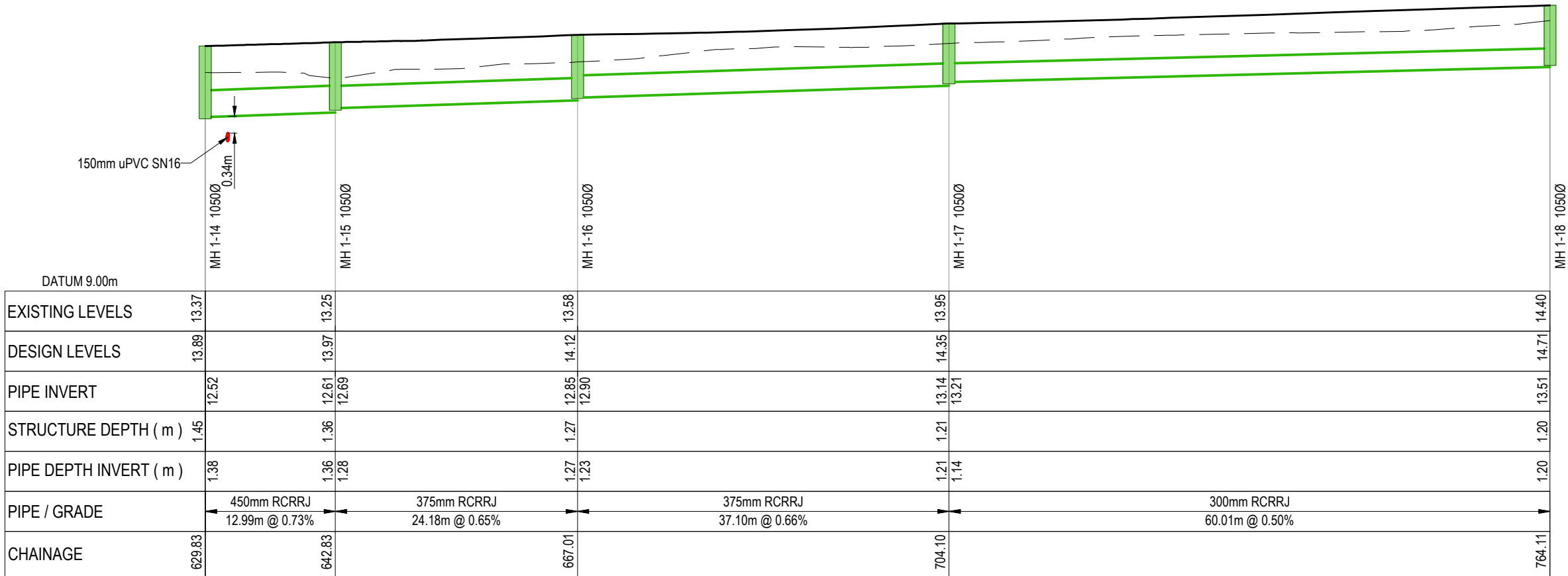


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

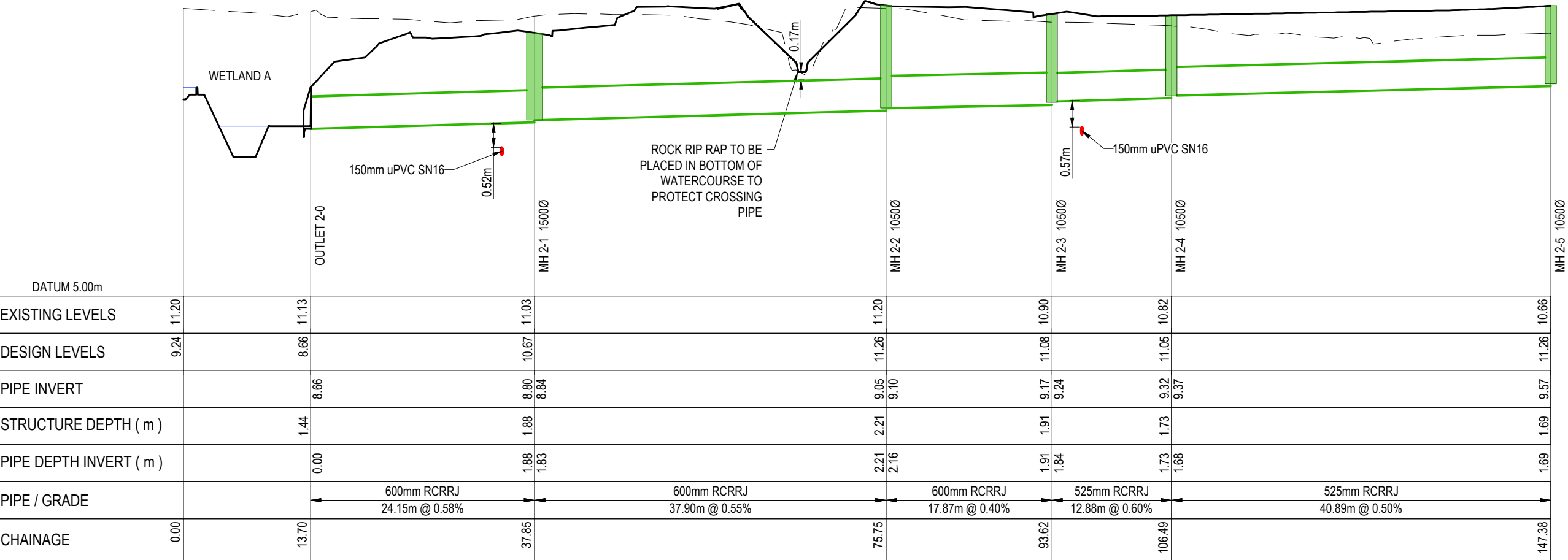
Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041		
Scale	1:500 @ A3		
Cad file	135041-C410 SW LS.DWG		
Drawing no.	C410-2	Rev	A

DATE: 6/26/26 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\03041-C410 SW LS.DWG



PROPOSED STORMWATER LONGSECTION LINE 1 CONT....
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONG SECTION LINE 2
SCALE: HORI 1:500 VERT 1:100

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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 6. PIPE BEDDING: 0 - 10% GRANULAR BEDDING, 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (7MPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 7. EACH CONNECTION SHALL BE MARKED BY A 50MMX50MM TREATED PINE STAKE EXTENDING 600MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 8. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 9. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
 10. ALL MANHOLES ARE TO BE 1050MMØ PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
 11. ALL CATCHPIT LEADS SHALL HAVE MIN COVER 0.75M.
 12. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 13. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

- LEGEND
- EX GROUND LEVEL
 - PR GROUND LEVEL
 - HARDFILL BACKFILL
 - LOT CONNECTION
 - CROSSING PIPE

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

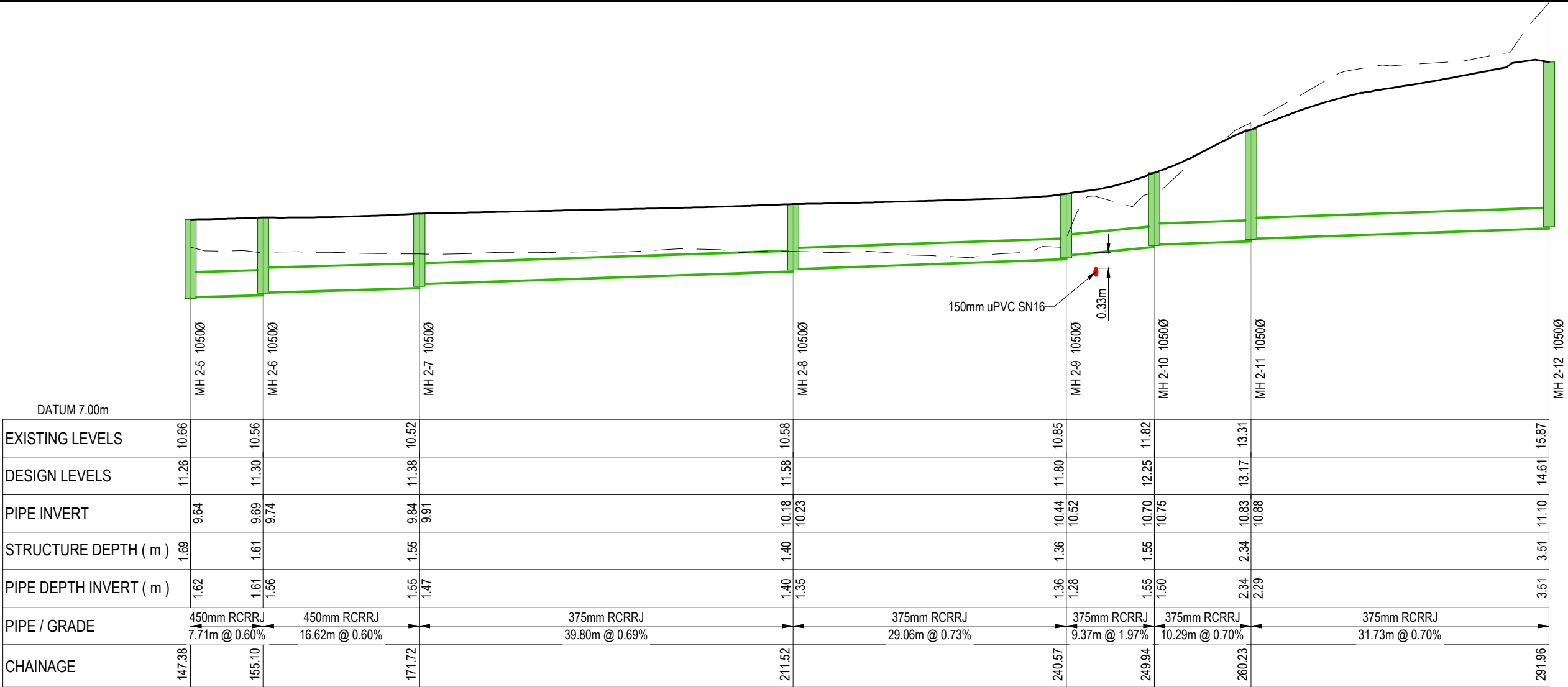


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

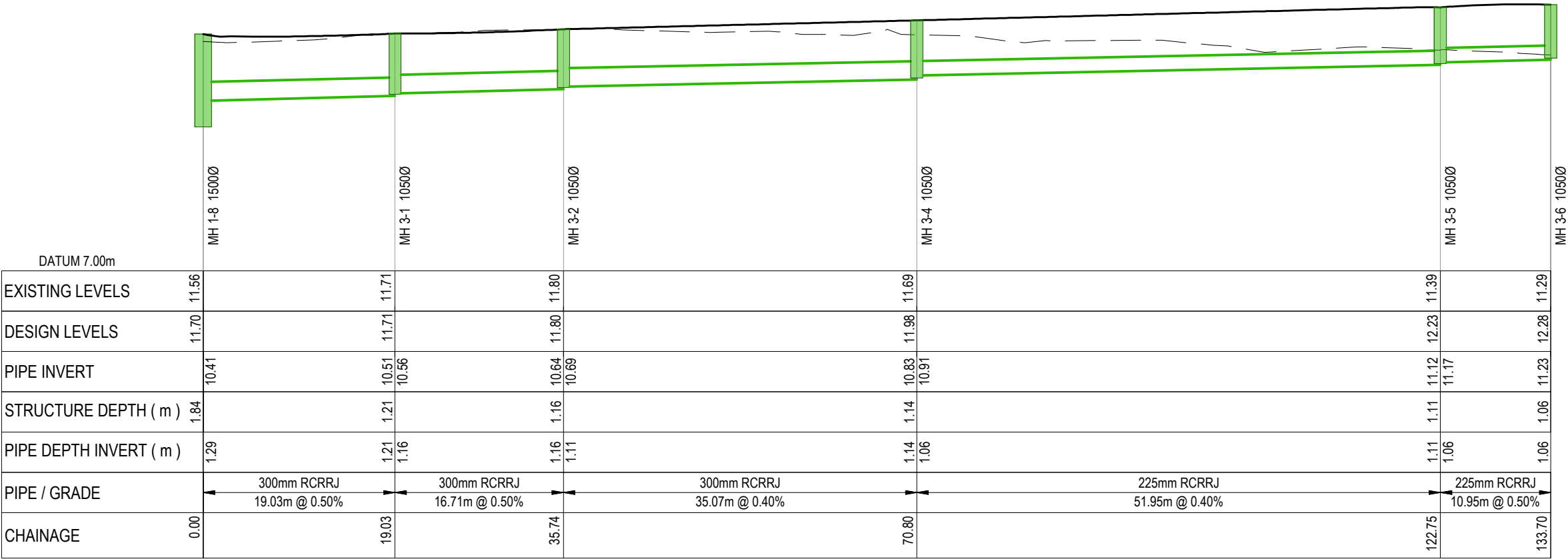
Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041
Scale	1:500 @ A3
Cad file	135041-C410 SW LS.DWG
Drawing no.	C410-3
Rev	A

DATE: 6/26/26 FILEPATH: F:\Maven\PROJECTS\135041 BROOKVALE\DWG\C410 SW LS.DWG



PROPOSED STORMWATER LONG SECTION LINE 2 CONT.
SCALE: HORI 1:500 VERT 1:100



RESOURCE CONSENT

PROPOSED STORMWATER LONG SECTION LINE 3
SCALE: HORI 1:500 VERT 1:100

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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 6. PIPE BEDDING: 0 - 10% GRANULAR BEDDING, 10 - 20% WEAK CONCRETE BEDDING, GREATER THAN 20% WEAK CONCRETE BEDDING (7MPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 7. EACH CONNECTION SHALL BE MARKED BY A 50MMX50MM TREATED PINE STAKE EXTENDING 600MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON "AS BUILT" PLANS.
 8. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 9. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
 10. ALL MANHOLES ARE TO BE 1050MMØ PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
 11. ALL CATCHPIT LEADS SHALL HAVE MIN COVER 0.75M.
 12. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 13. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

- LEGEND
- EX GROUND LEVEL
 - PR GROUND LEVEL
 - HARDFILL BACKFILL
 - LOT CONNECTION
 - CROSSING PIPE

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

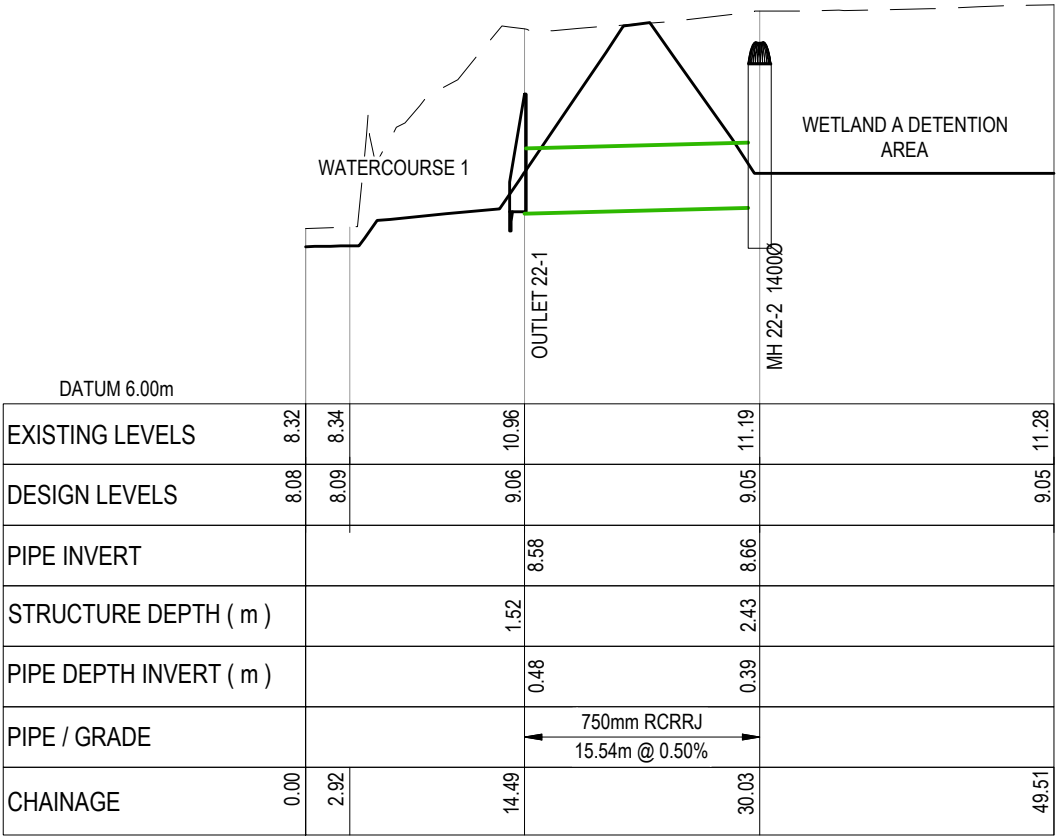


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

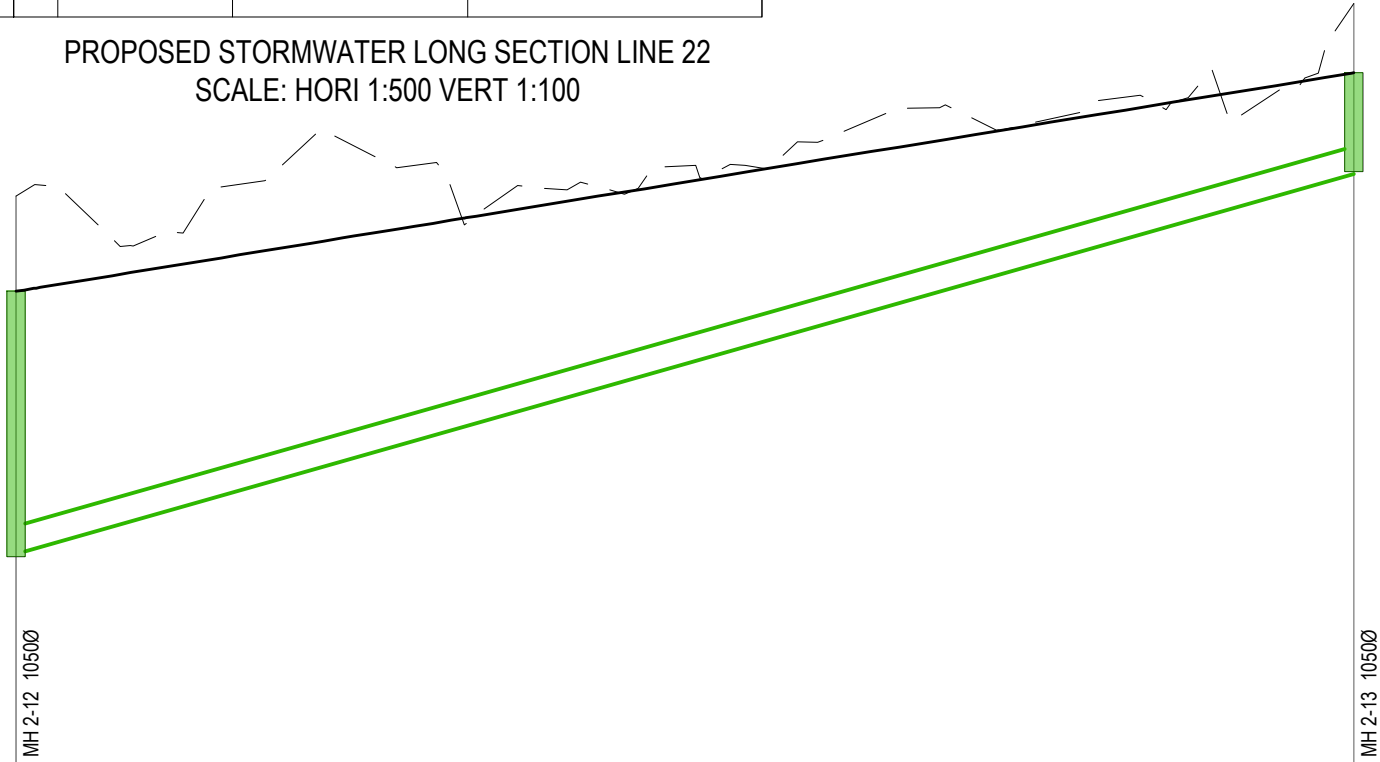
Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041
Scale	##### @ A3
Cad file	135041-C410 SW LS.DWG
Drawing no.	C410-4
Rev	A

DATE: 6/26/26 FILE PATH: F:\Maven\PROJECTS\135041-BROOKVALE\DWG\03041-C410-SW-LS.DWG

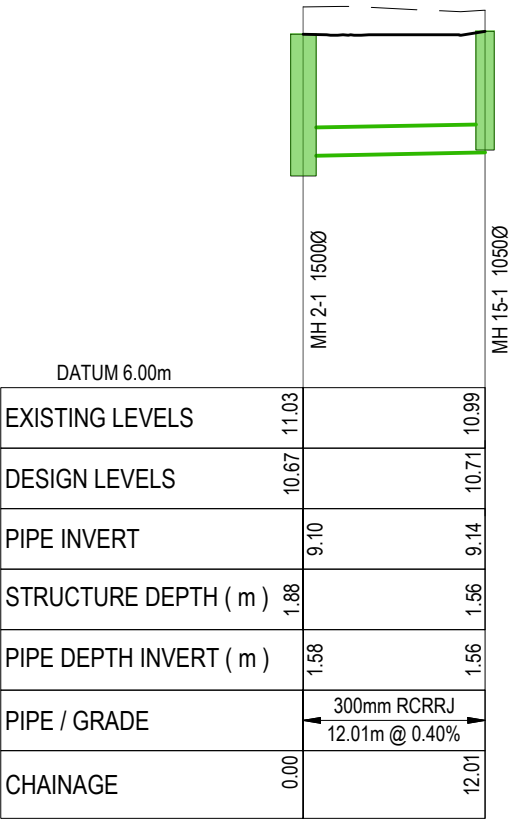


PROPOSED STORMWATER LONG SECTION LINE 22
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONG SECTION LINE 2 CONT..
SCALE: HORI 1:500 VERT 1:100

RESOURCE CONSENT



PROPOSED STORMWATER LONG SECTION LINE 15
SCALE: HORI 1:500 VERT 1:100

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM HAWKES BAY 2000. 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. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 6. PIPE BEDDING: 0 - 10% GRANULAR BEDDING, 10 - 20% WEAK CONCRETE BEDDING GREATER THAN 20% WEAK CONCRETE BEDDING (7MPA PLUS ANTI SCOUR BLOCKS AT 6M CRS).
 7. EACH CONNECTION SHALL BE MARKED BY A 50MMX50MM TREATED PINE STAKE EXTENDING 600MM ABOVE GROUND LEVEL WITH THE TOP PAINTED. THIS MARKER POST SHALL BE PLACED ALONGSIDE A TIMBER MARKER INSTALLED AT THE TIME OF PIPELAYING AND EXTENDING FROM THE CONNECTION TO 150MM BELOW FINISHED GROUND LEVEL. CONNECTIONS SHALL BE ACCURATELY INDICATED ON 'AS BUILT' PLANS.
 8. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 9. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
 10. ALL MANHOLES ARE TO BE 1050MMØ PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
 11. ALL CATCHPIT LEADS SHALL HAVE MIN COVER 0.75M.
 12. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 13. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

- LEGEND
- EX GROUND LEVEL
 - PR GROUND LEVEL
 - HARDFILL BACKFILL
 - LOT CONNECTION
 - CROSSING PIPE

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

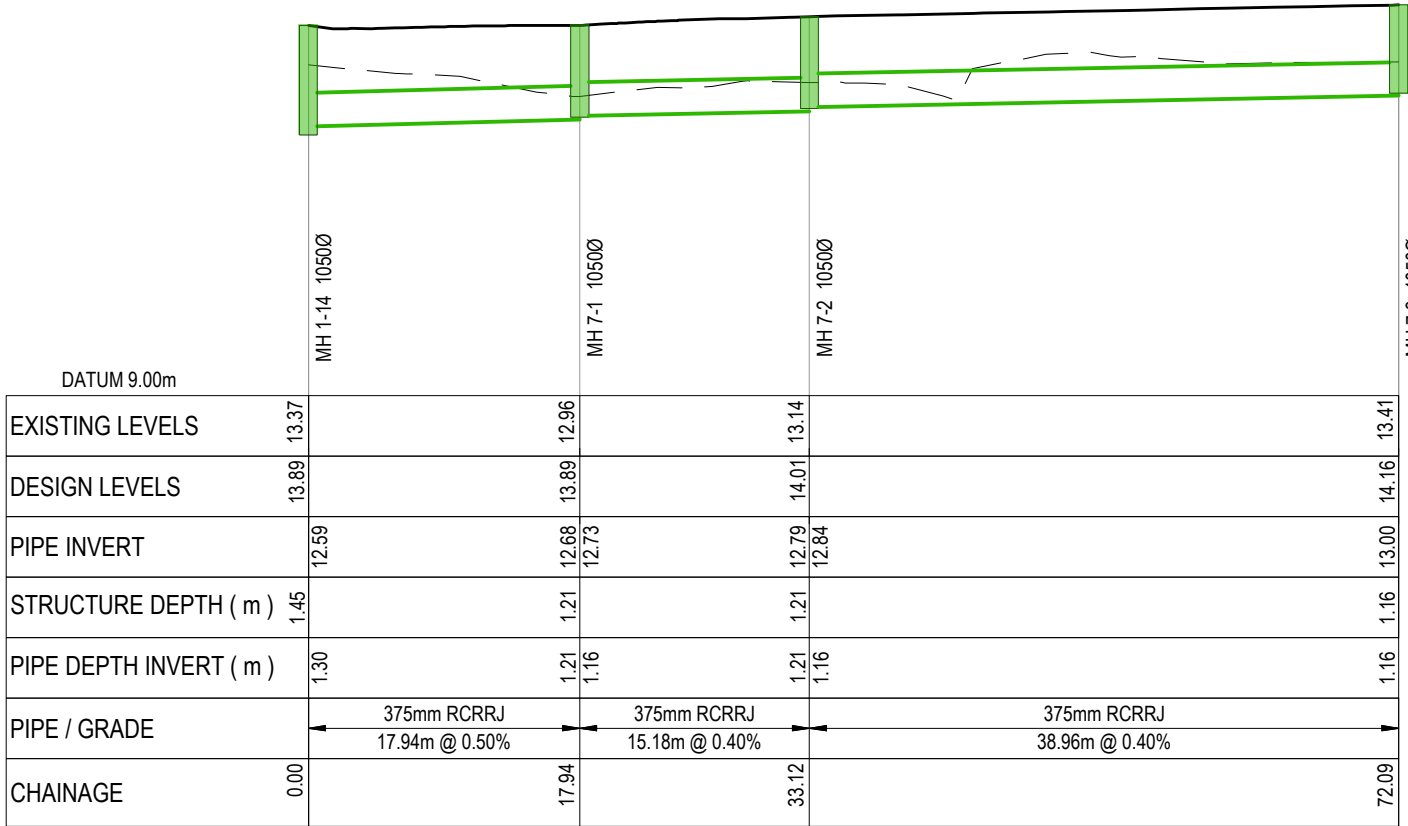


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

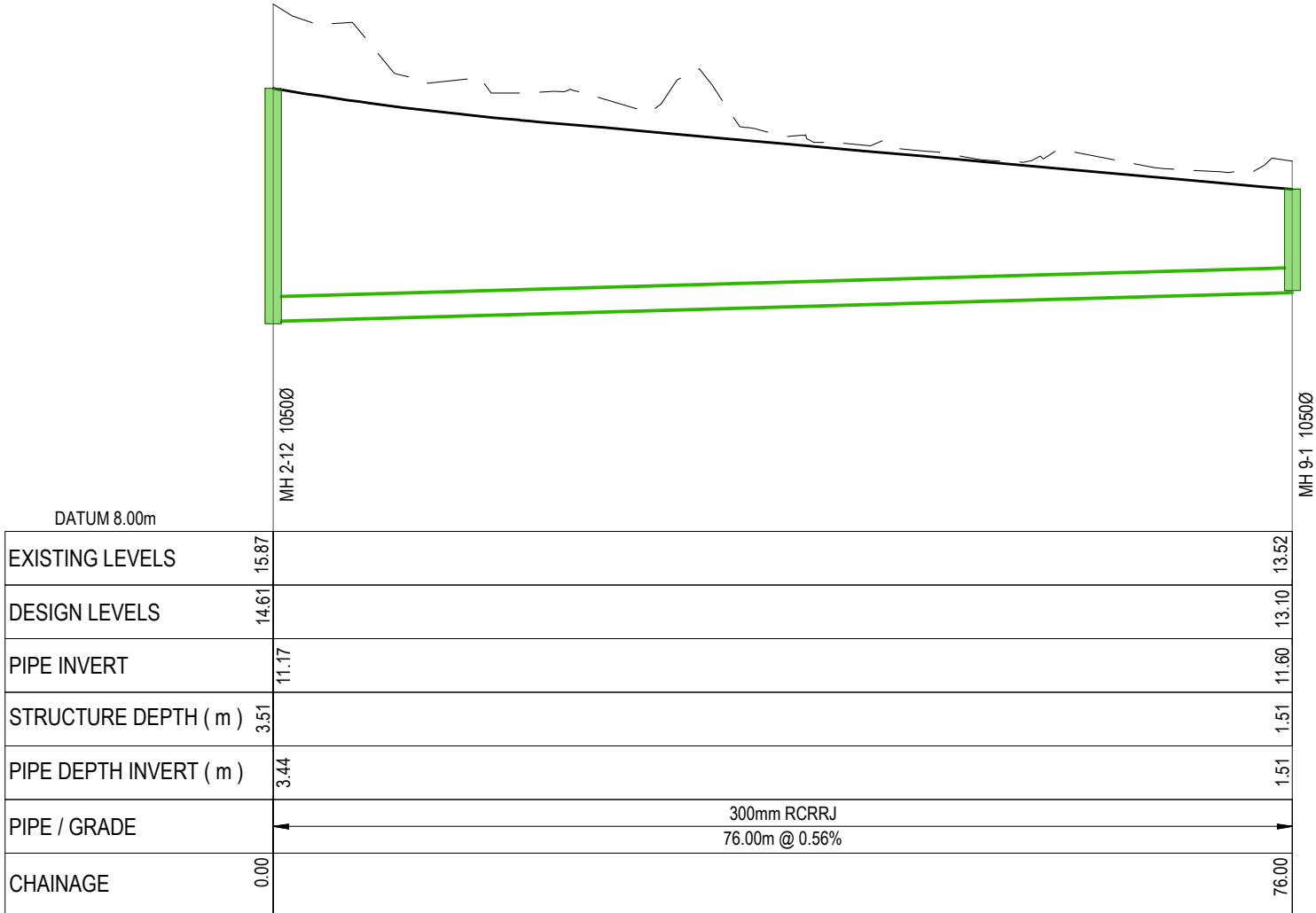
Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041
Scale	1:500 @ A3
Cad file	135041-C410 SW LS.DWG
Drawing no.	C410-5
Rev	A

DATE: 6/26/26 FILE PATH: F:\MAVEN\PROJECTS\135041 BROOKVALE\DWG\135041-C410 SW L.S.DWG

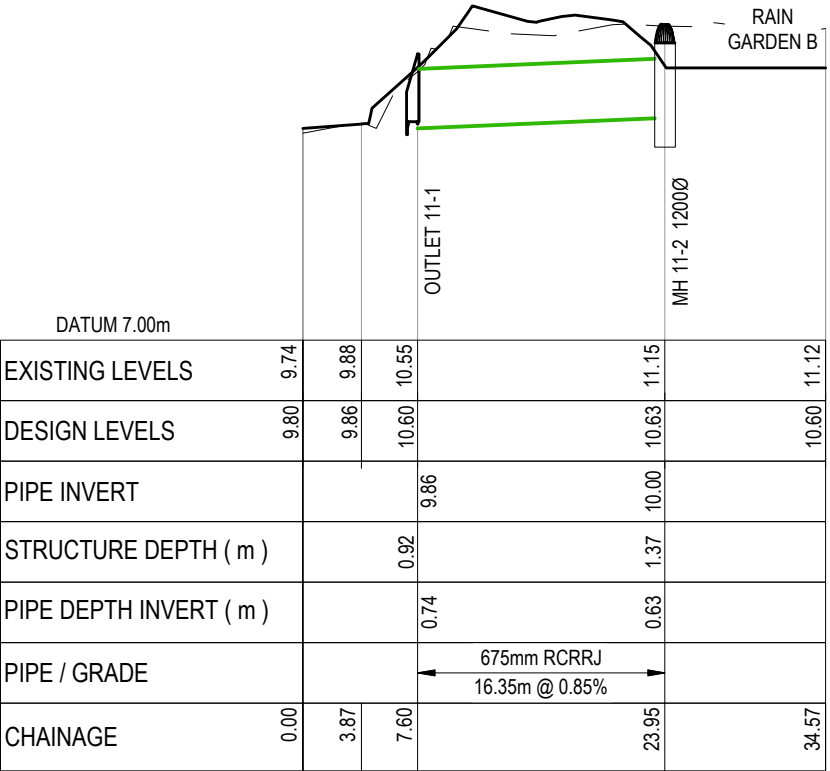


PROPOSED STORMWATER LONG SECTION LINE 7
SCALE: HORI 1:500 VERT 1:100

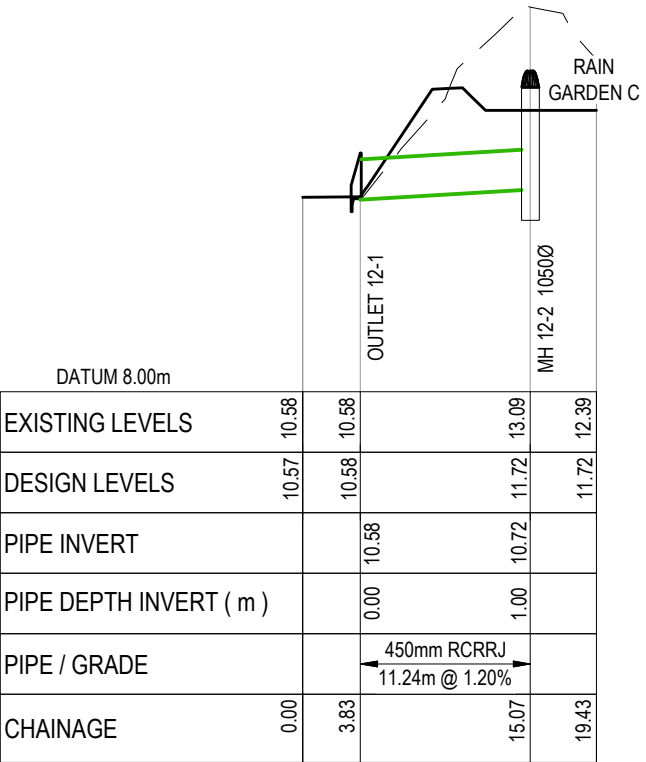


PROPOSED STORMWATER LONG SECTION LINE 9
SCALE: HORI 1:500 VERT 1:100

RESOURCE CONSENT



PROPOSED STORMWATER LONG SECTION LINE 11
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONGSECTION LINE 12
SCALE: HORI 1:500 VERT 1:100

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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LEGEND

- EX GROUND LEVEL
- PR GROUND LEVEL
- HARDFILL BACKFILL
- LOT CONNECTION
- 0 0 CROSSING PIPE

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

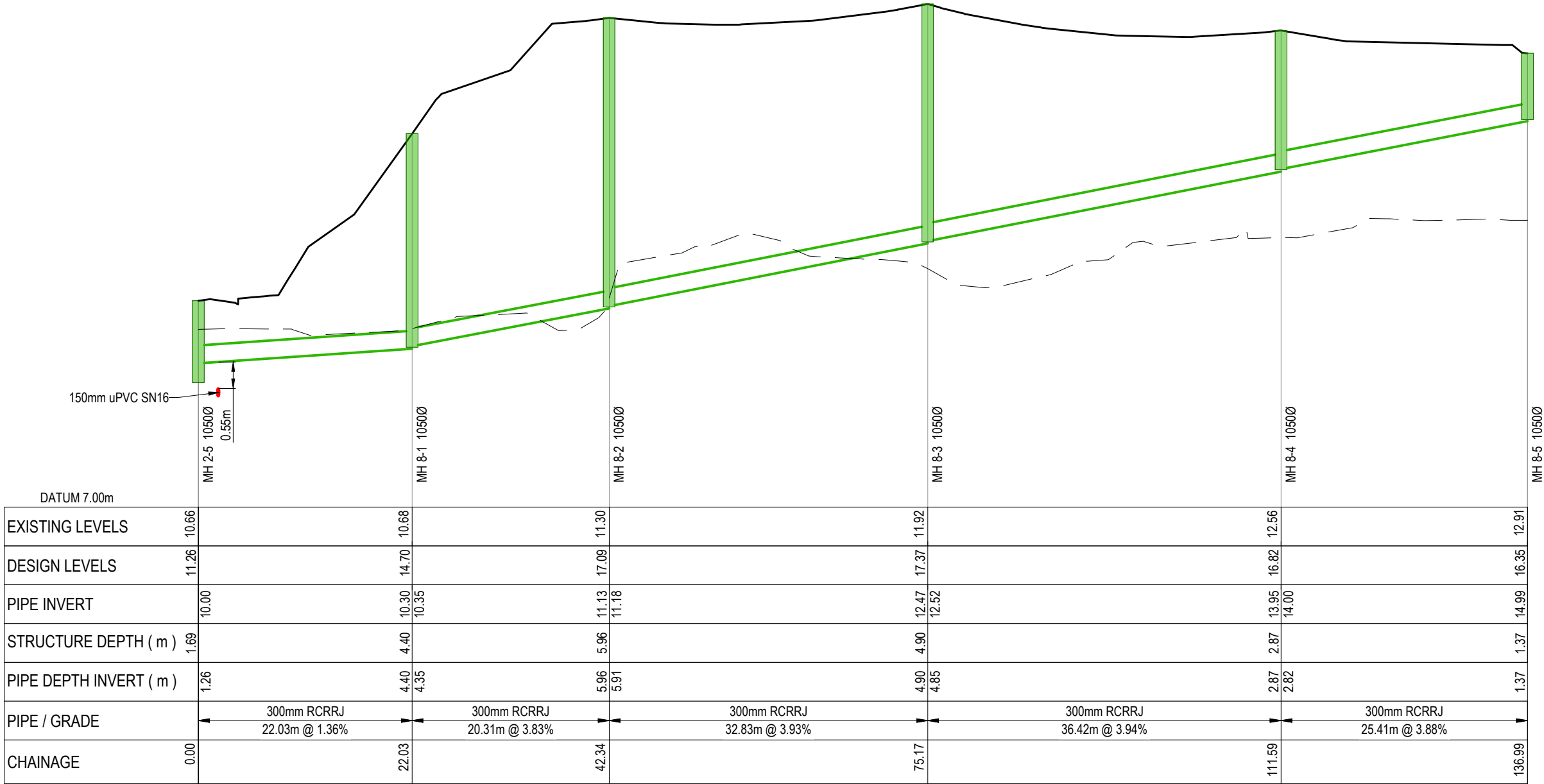
M **Maven Associates**
09 571 0050
info@maven.co.nz
www.maven.co.nz
5 Owens Road, Epsom
Auckland 1023

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

Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041		
Scale	1:500 @ A3		
Cad file	135041-C410 SW L.S.DWG		
Drawing no.	C410-7	Rev	A

DATE: 6/26/26 FILE PATH: F:\MAVEN\PROJECTS\135041-BROOKVALE\DWG\03041-C410-SW-LS.DWG



RESOURCE CONSENT

PROPOSED STORMWATER LONG SECTION LINE 8
SCALE: HORI 1:500 VERT 1:100

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- LEGEND
- EX GROUND LEVEL
 - PR GROUND LEVEL
 - HARDFILL BACKFILL
 - LOT CONNECTION
 - CROSSING PIPE

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

M

MAVEN

Maven Associates®

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info@maven.co.nz

www.maven.co.nz

5 Owens Road, Epsom

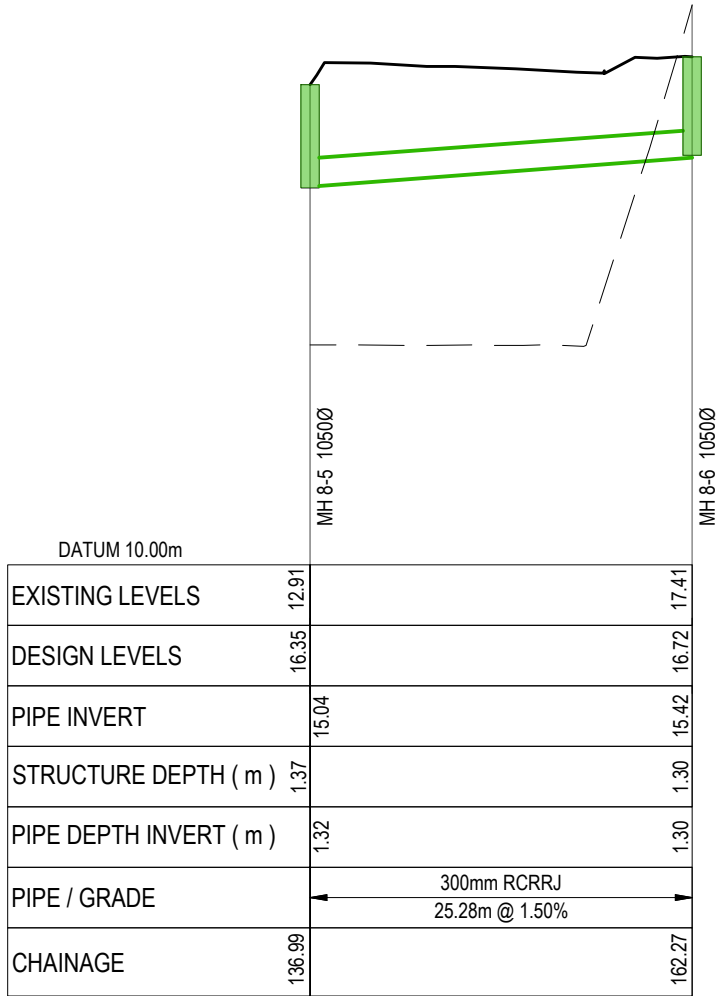
Auckland 1023

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

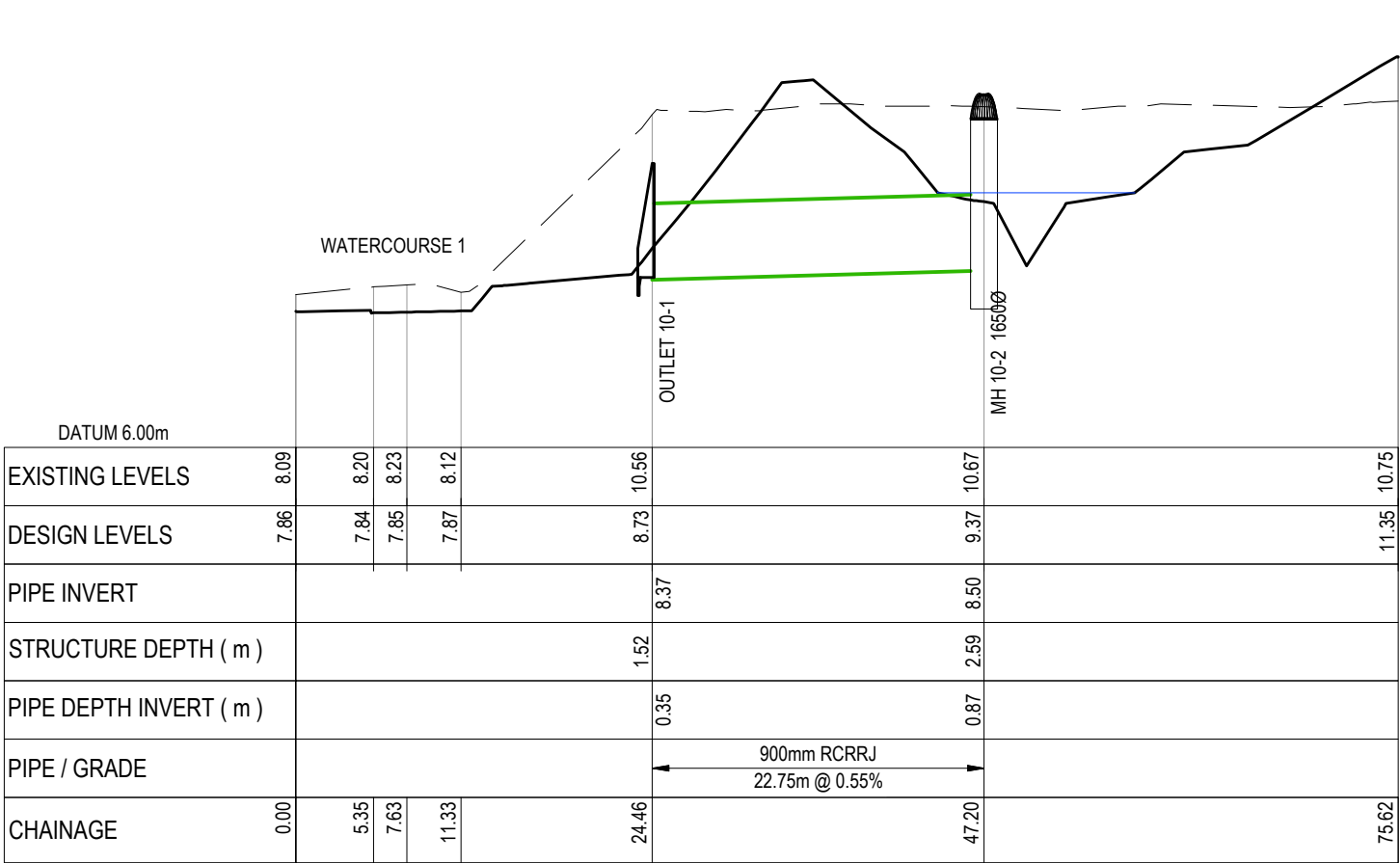
Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041		
Scale	##### @ A3		
Cad file	135041-C410 SW LS.DWG		
Drawing no.	C410-8	Rev	A

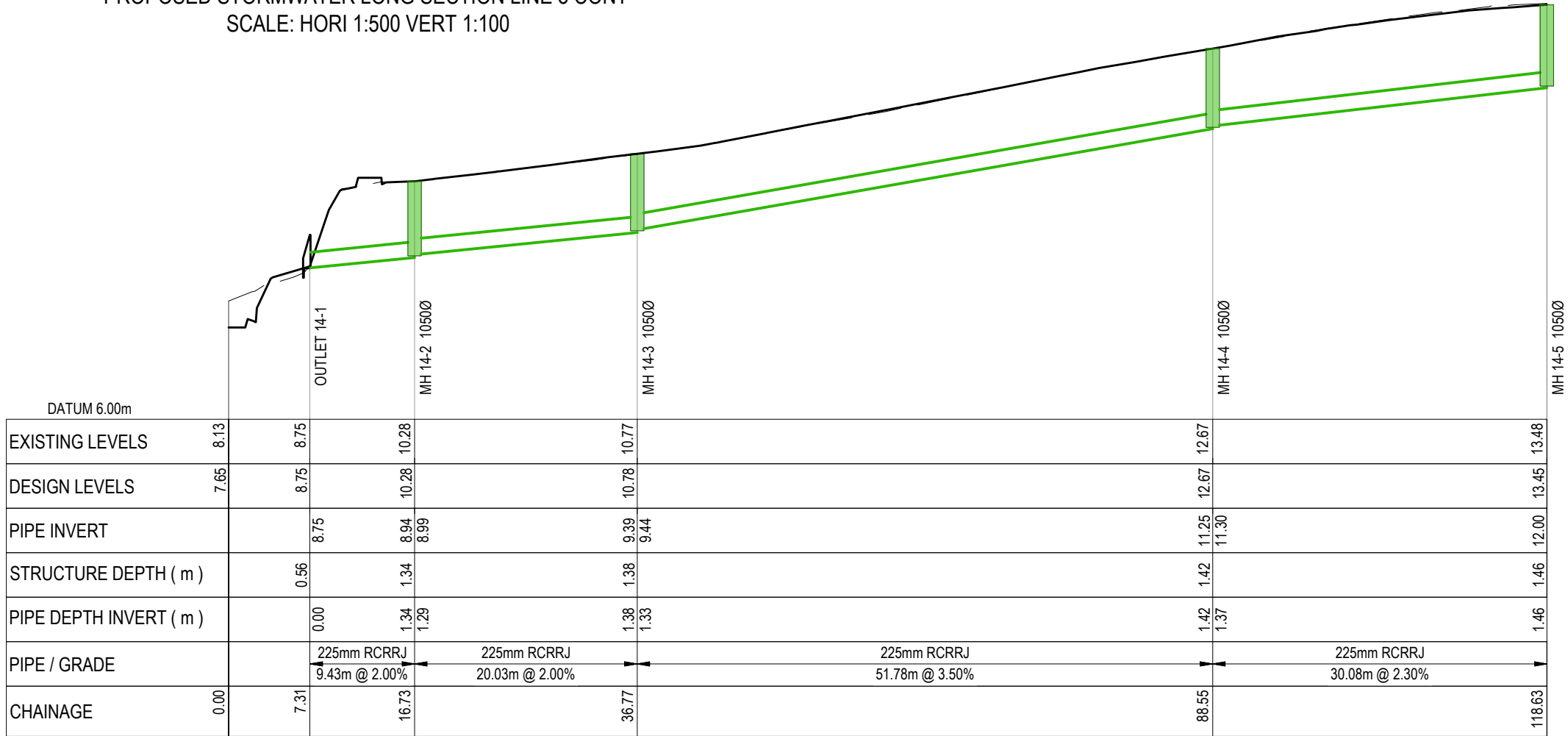
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PROPOSED STORMWATER LONG SECTION LINE 8 CONT
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONGSECTION LINE 10
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONG SECTION LINE 14
SCALE: HORI 1:500 VERT 1:100

RESOURCE CONSENT

- NOTES
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- LEGEND
- EX GROUND LEVEL
 - PR GROUND LEVEL
 - HARDFILL BACKFILL
 - LOT CONNECTION
 - CROSSING PIPE

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

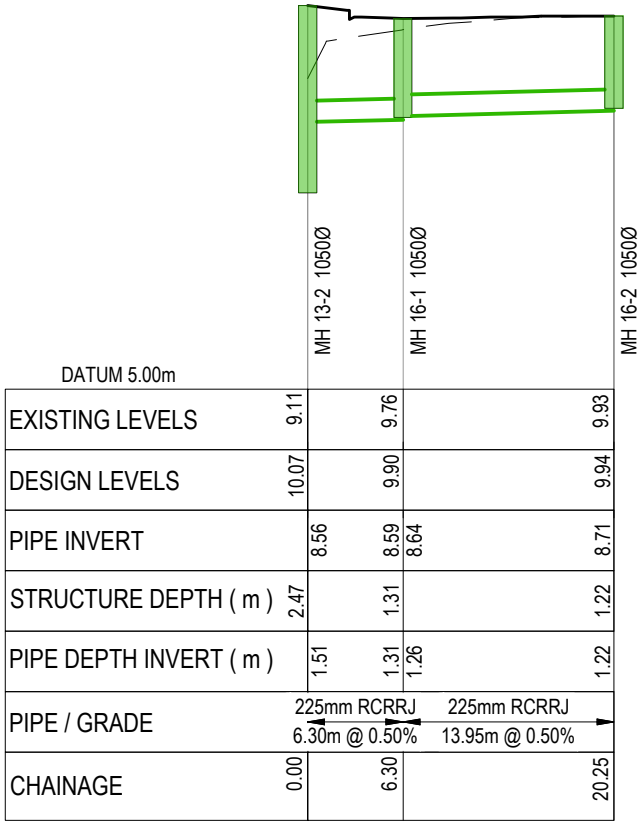


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

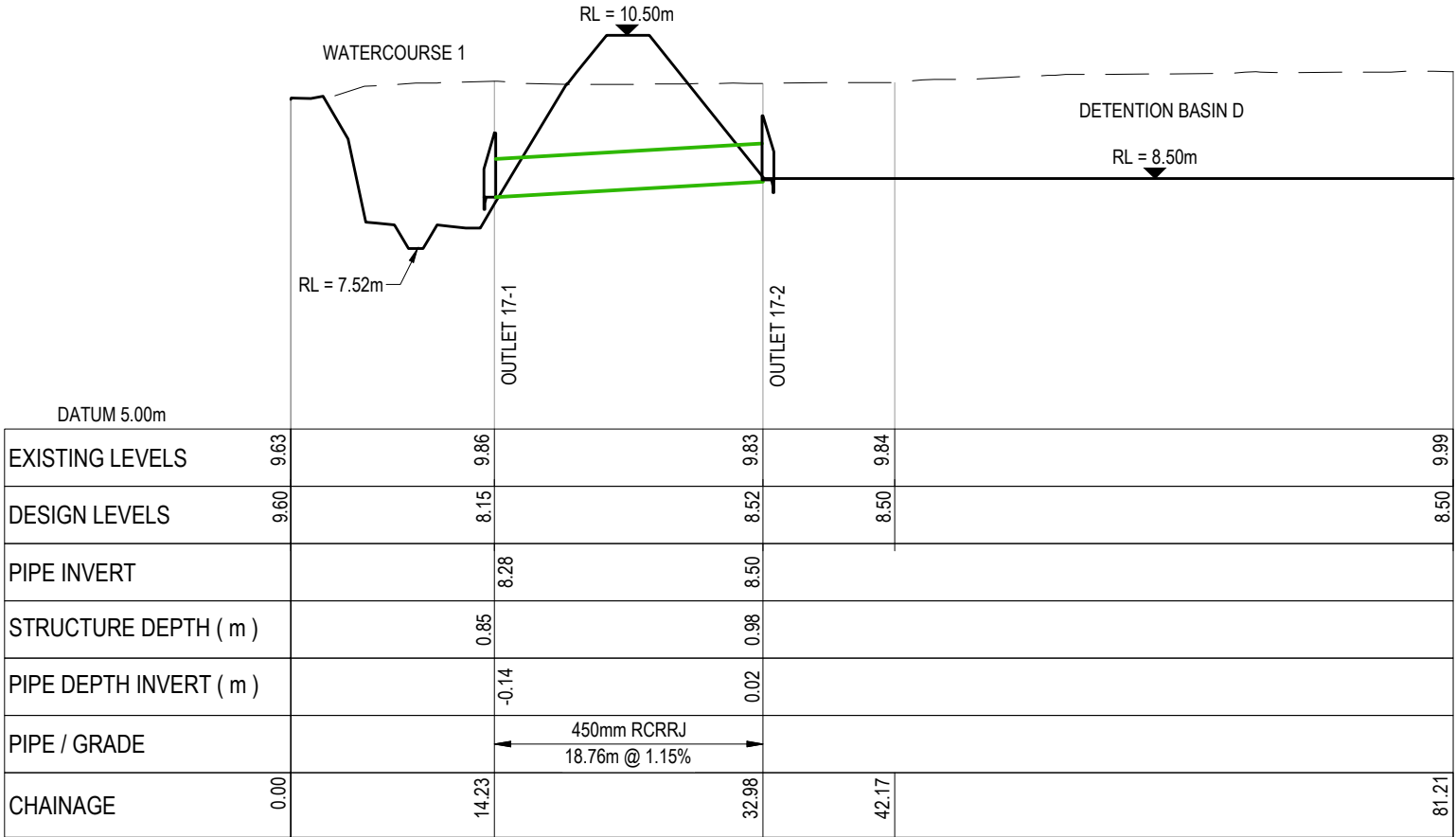
Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041
Scale	##### @ A3
Cad file	135041-C410 SW LS.DWG
Drawing no.	C410-9
Rev	A

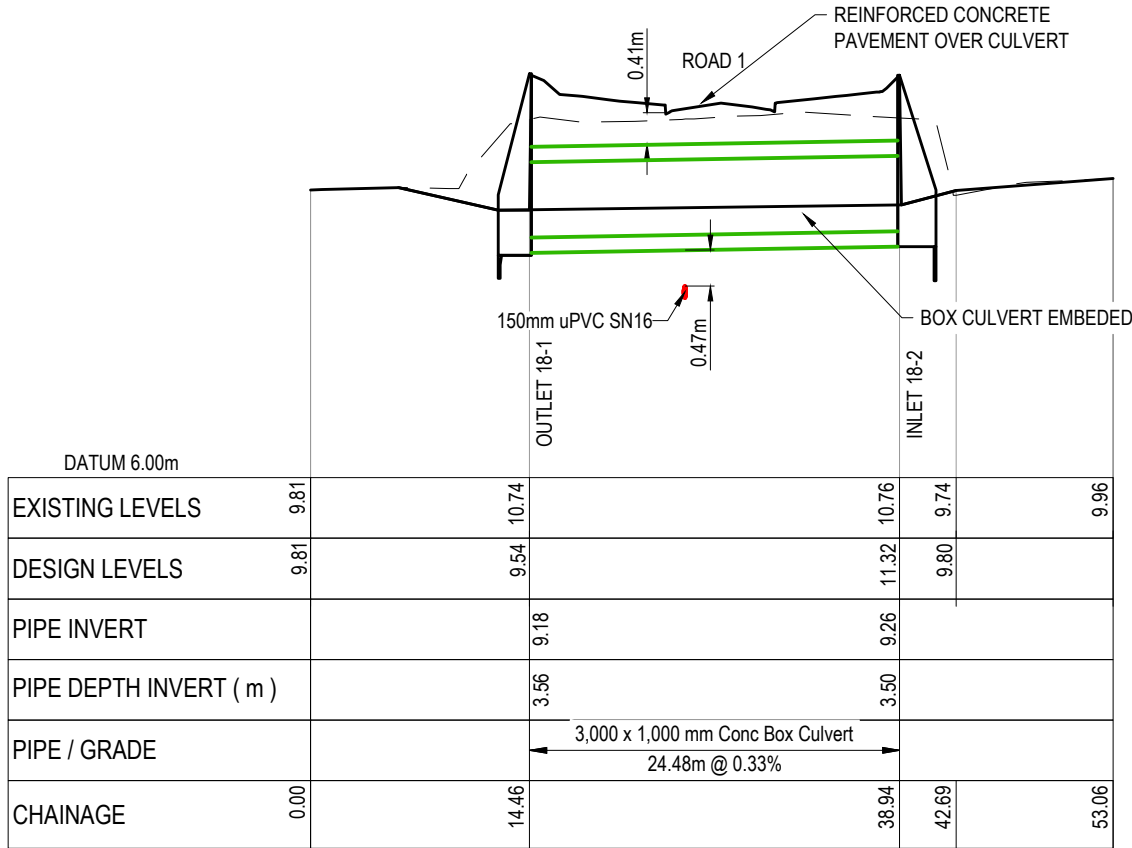
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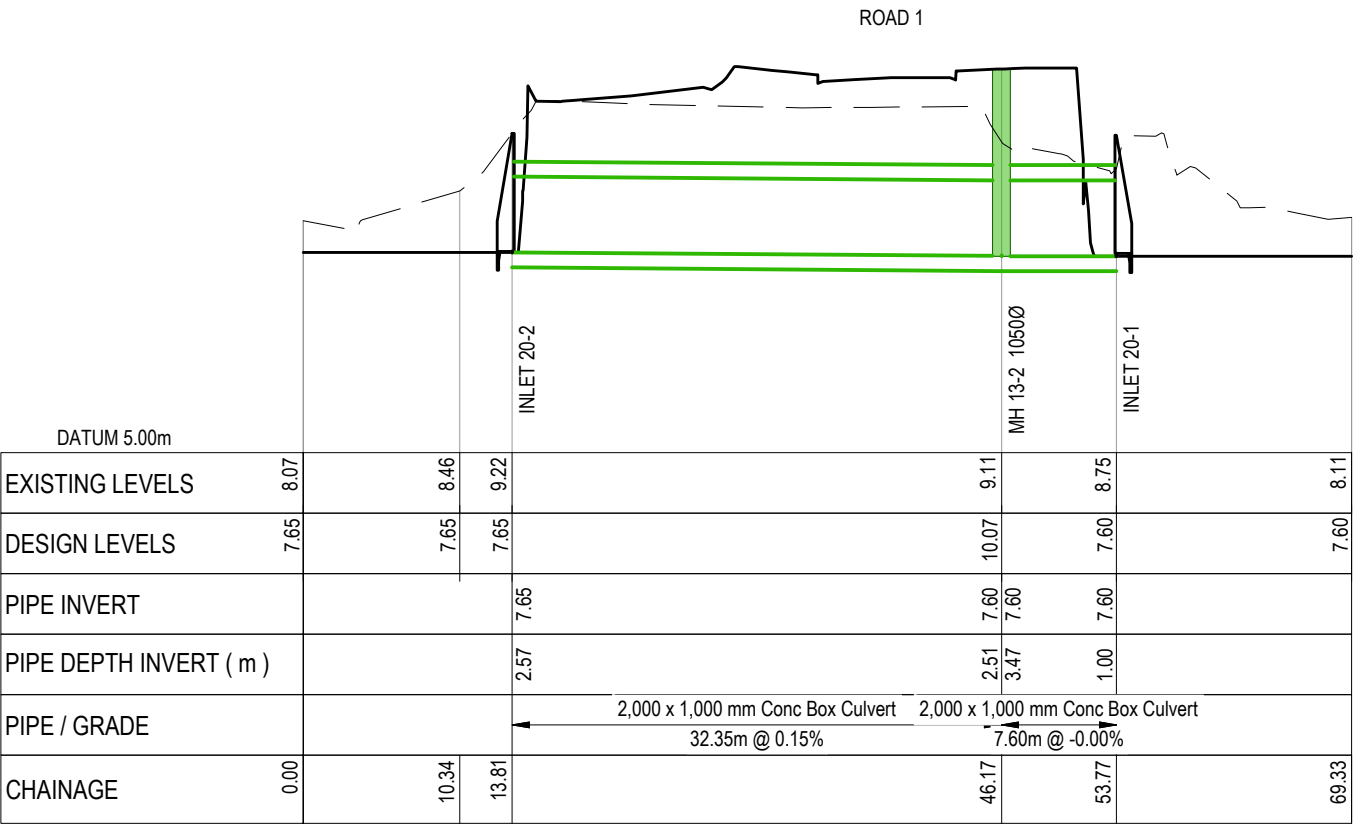
PROPOSED STORMWATER LONG SECTION LINE 16
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONG SECTION LINE 17
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONG SECTION LINE 18
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONG SECTION LINE 20
SCALE: HORI 1:500 VERT 1:100

RESOURCE CONSENT

- NOTES
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- LEGEND
- EX GROUND LEVEL
 - PR GROUND LEVEL
 - HARDFILL BACKFILL
 - LOT CONNECTION
 - CROSSING PIPE

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

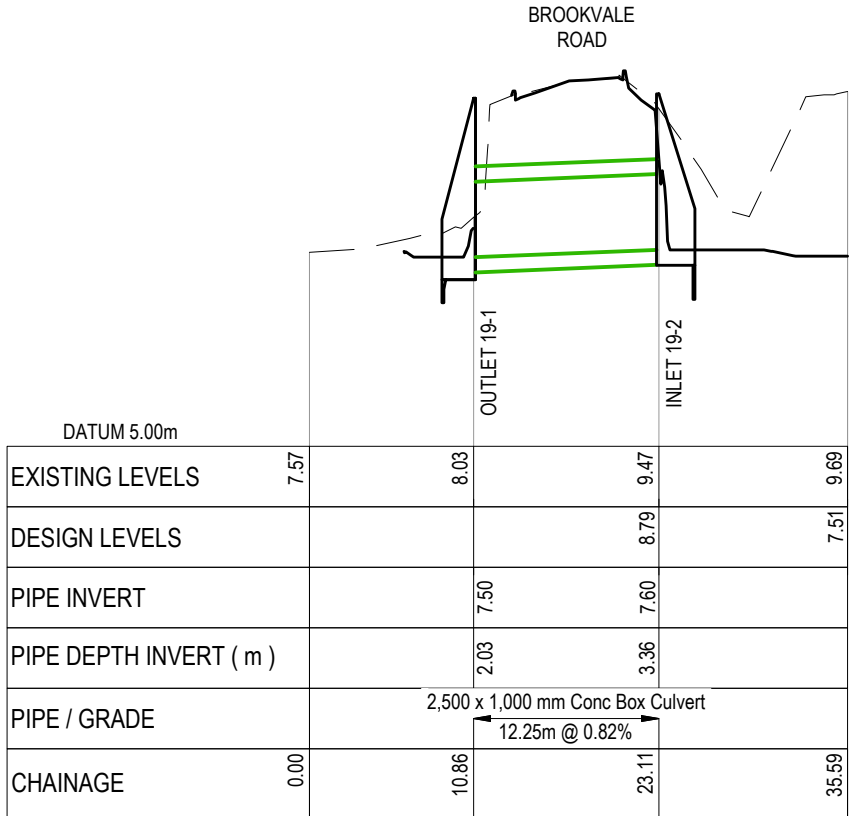


Project
**BROOKVALE GREEN
HAVELOCK NORTH
FOR
VERMONT STREET
PARTNERS NO. 4 LIMITED**

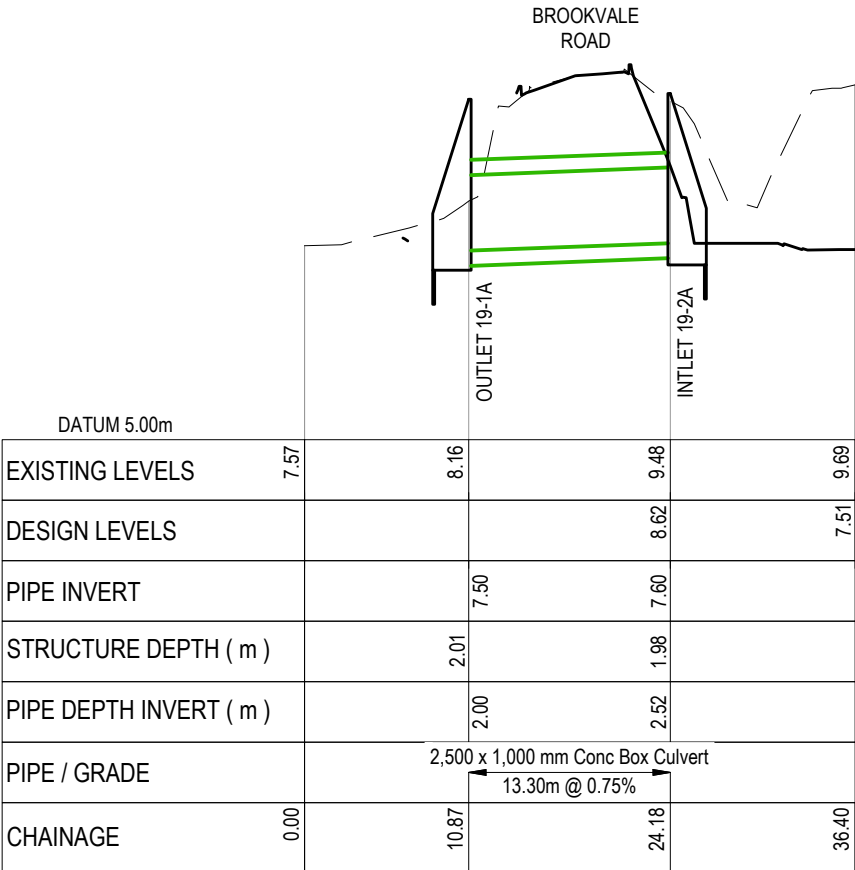
Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041
Scale	1:500 @ A3
Cad file	135041-C410 SW LS.DWG
Drawing no.	C410-10
Rev	A

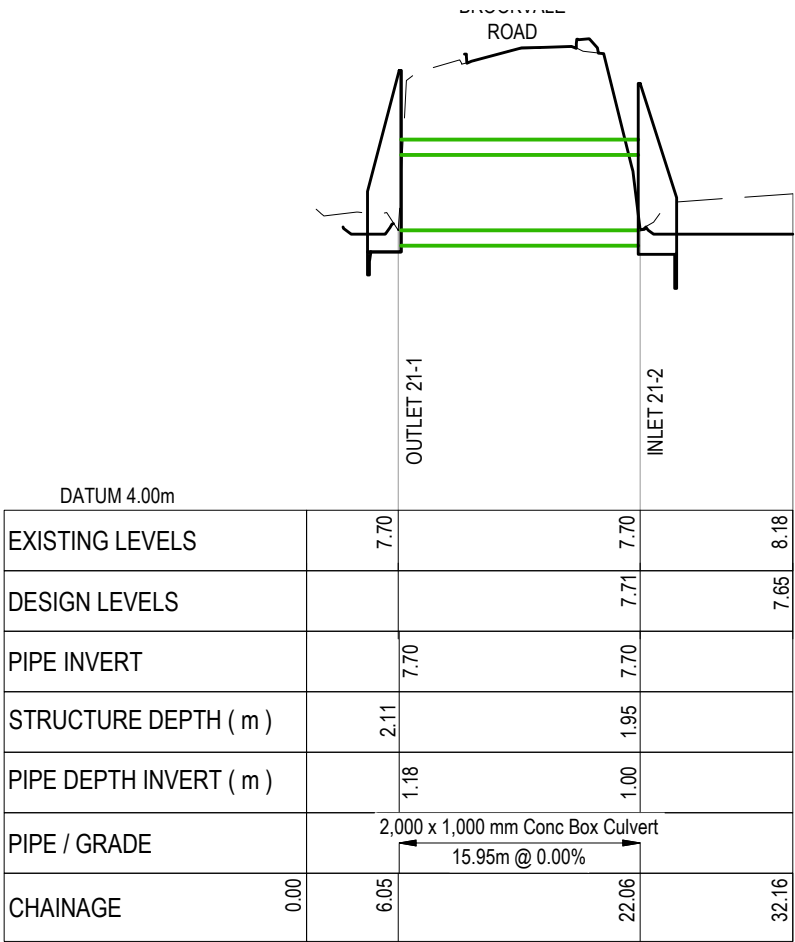
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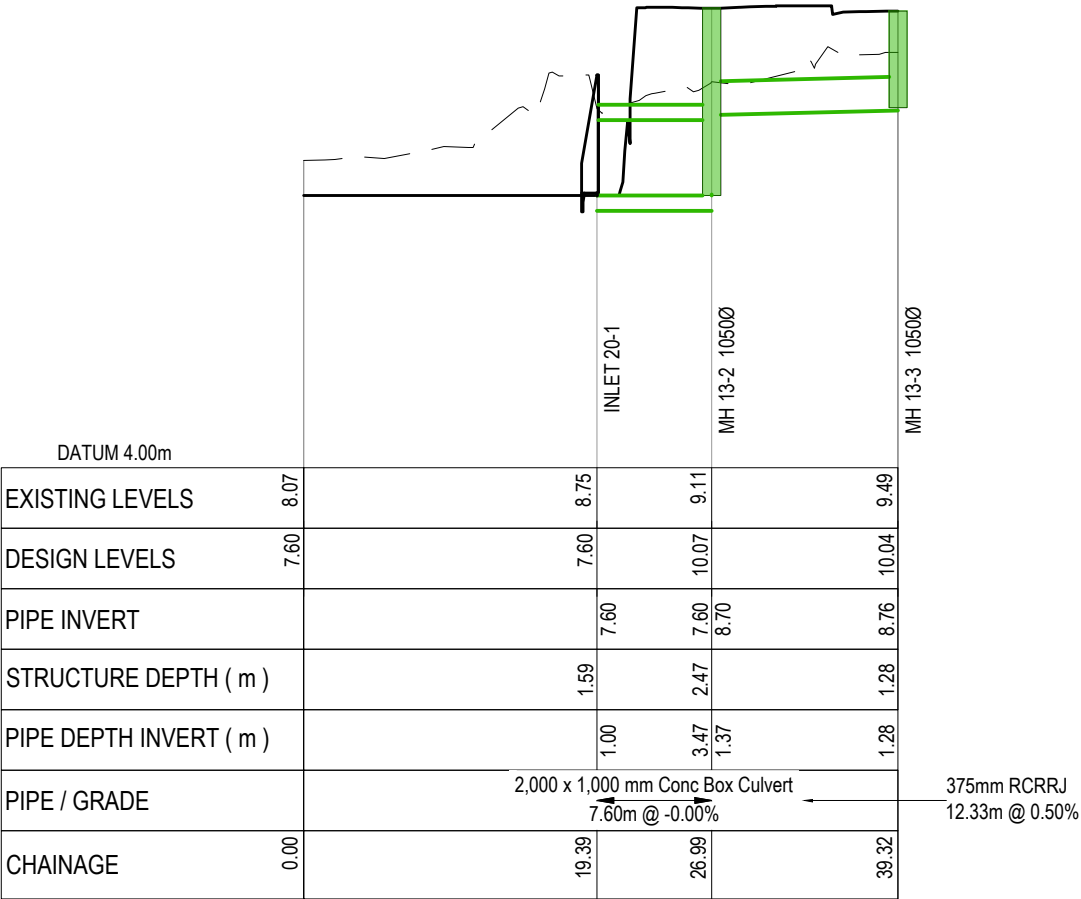
PROPOSED STORMWATER LONG SECTION LINE 19
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONG SECTION LINE 19A
SCALE: HORI 1:500 VERT 1:100



PROPOSED CULVERT 21 LONG SECTION
SCALE: HORI 1:500 VERT 1:100



PROPOSED STORMWATER LONG SECTION LINE 13
SCALE: HORI 1:500 VERT 1:100

- NOTES
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LEGEND

--- EX GROUND LEVEL
--- PR GROUND LEVEL
[Hatched Box] HARDFILL BACKFILL
[Green Arrow] LOT CONNECTION
[Red Circle] CROSSING PIPE

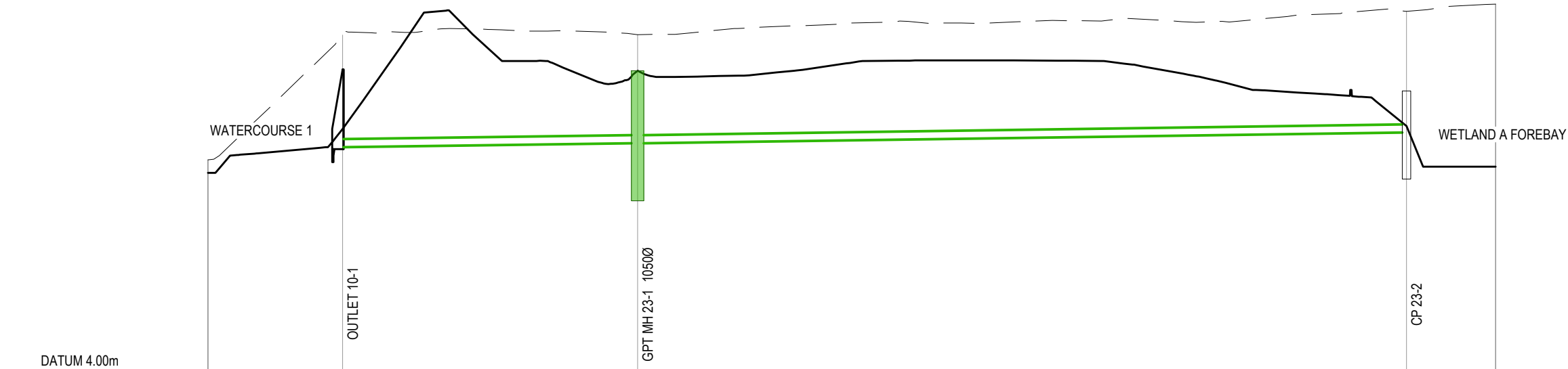
A	SUBSTANTIVE APPLICATION	BB	06/2026
Rev	Description	By	Date
	By	Date	
Survey	TECH SP	02/2025	
Design	RH	06/2026	
Drawn	RH	06/2026	
Checked	BB	06/2026	



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

Title
**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041
Scale	##### @ A3
Cad file	135041-C410 SW LS.DWG
Drawing no.	C410-11
Rev	A



DATUM 4.00m										
EXISTING LEVELS	8.12	10.56	10.57				11.03		11.16	
DESIGN LEVELS	7.87	8.73	9.86				8.79		7.99	
PIPE INVERT		8.37	8.45	8.45			8.66			
STRUCTURE DEPTH (m)		1.52	2.55				1.65			
PIPE DEPTH INVERT (m)		0.35	1.42	1.42			0.13			
PIPE / GRADE		150mm uPVC SN16 28.81m @ 0.27%				150mm uPVC SN16 75.05m @ 0.28%				
CHAINAGE	0.00	13.12	41.94				116.99		125.69	

PROPOSED STORMWATER LONG SECTION LINE 23
SCALE: HORI 1:500 VERT 1:100

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH HASTINGS COUNCIL STANDARDS.
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 11. ALL CATCHPIT LEADS SHALL HAVE MIN COVER 0.75M.
 12. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 13. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

LEGEND

EX GROUND LEVEL

PR GROUND LEVEL

HARDFILL BACKFILL

LOT CONNECTION

CROSSING PIPE

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

M

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Project

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

Title

**PROPOSED
STORMWATER
LONG SECTION PLAN**

Project no.	135041		
Scale	##### @ A3		
Cad file	135041-C410 SW LS.DWG		
Drawing no.	C410-12	Rev	A

RESOURCE CONSENT