











LEGEND	
AC	EX BDY
CB	PR BDY
CEA	AC PAVING
DC	BRUSHED CONCRETE
K&C	EXPOSED CONCRETE
K&N	DISH CHANNEL
WS	KERB AND CHANNEL
	KERB AND NIB
	WHEEL STOP
	PR SWCP SINGLE
	PR STREET LIGHT
	PR STREET SIGN
	ROAD NAME SIGN
	TACTILE PAVERS
	PR SW SWALE
	PR 2YR FLOOD LEVEL
	SUPER LOT BDY

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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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 SAW CUTS AT MAX. 3m CENTRES. ALL SAW CUTS TO COINCIDE WITH FOOTPATH JOINTS.
 12. 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.
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REFER S1-C300-1

REFER S1-C300-2

REFER S1-C300-5

REFER S1-C300-3

REFER S1-C300-4

REFER S1-C300-6

RESOURCE CONSENT

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	YC		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025

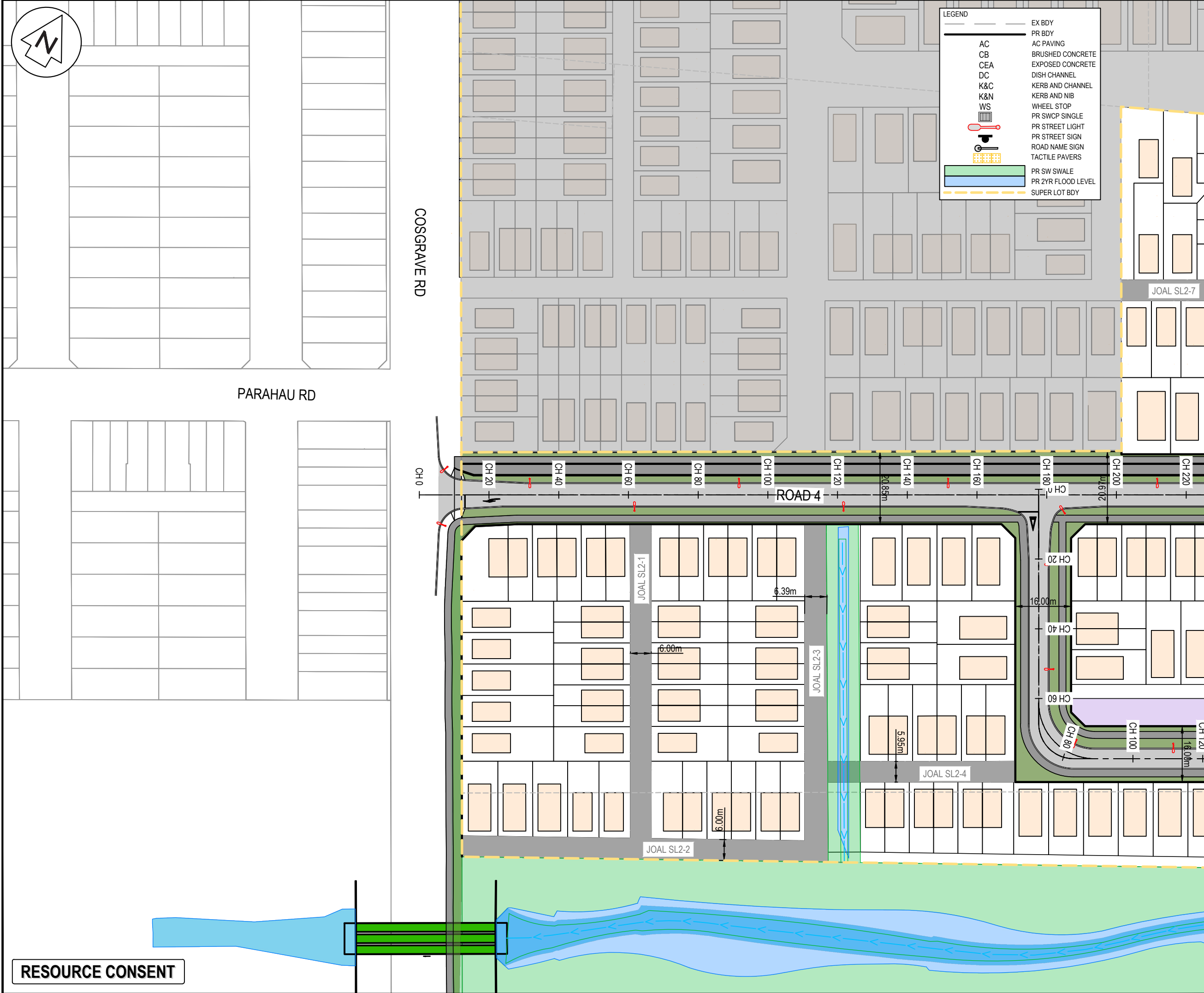
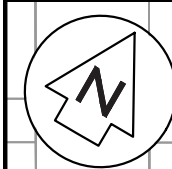


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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C300.DWG
Drawing no.	S1-C300-0
Rev	A



LEGEND	
AC	EX BDY
CB	PR BDY
CEA	AC PAVING
DC	BRUSHED CONCRETE
K&C	EXPOSED CONCRETE
K&N	DISH CHANNEL
WS	KERB AND CHANNEL
	KERB AND NIB
	WHEEL STOP
	PR SWCP SINGLE
	PR STREET LIGHT
	PR STREET SIGN
	ROAD NAME SIGN
	TACTILE PAVERS
	PR SW SWALE
	PR 2YR FLOOD LEVEL
	SUPER LOT BDY

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A		RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date	
Survey	SURVEYWORX		02/2021	
Design	YC		11/2024	
Drawn	EZ		02/2025	
Checked	JP/LC		02/2025	



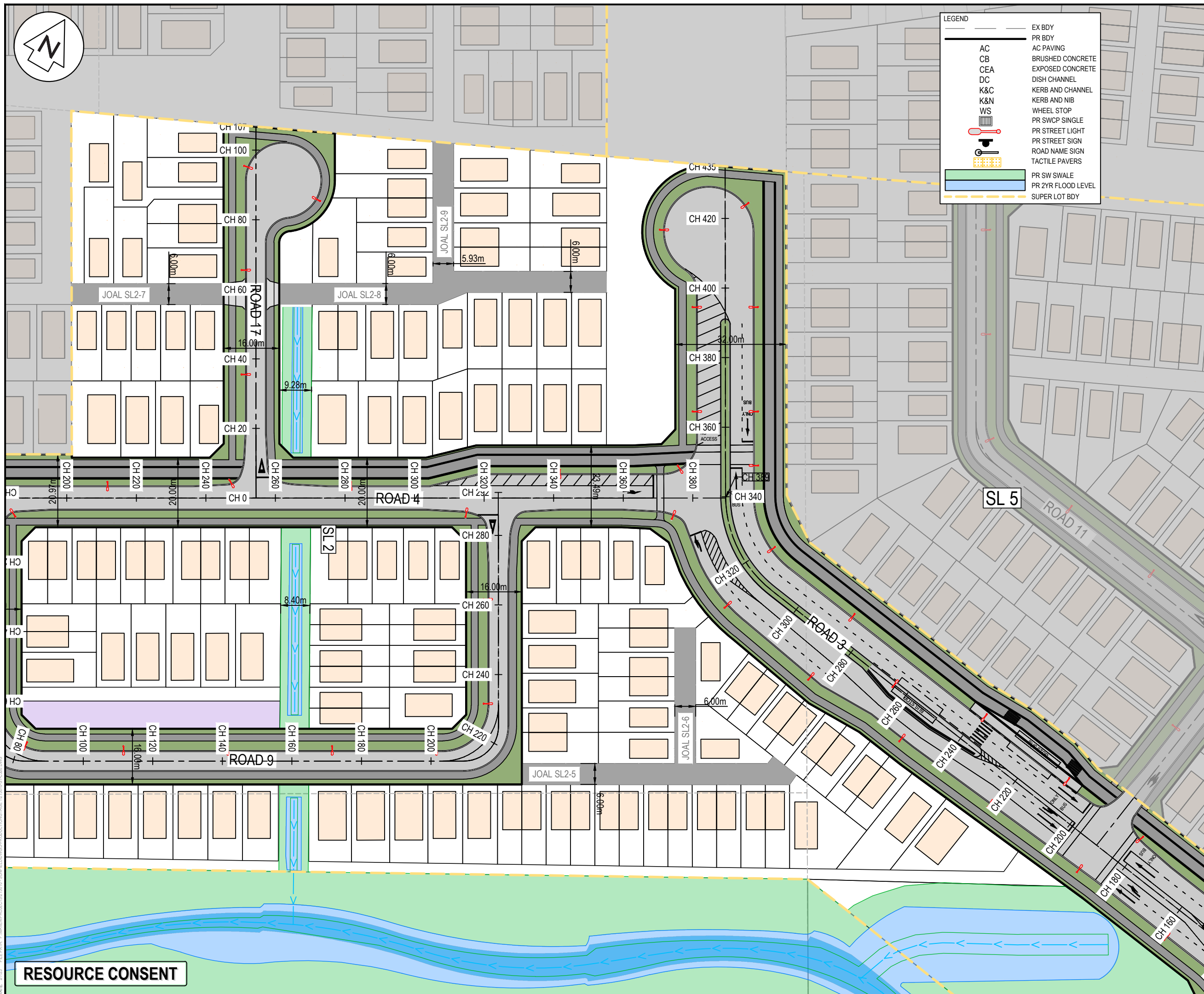
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C300.DWG
Drawing no.	S1-C300-1
Rev	A

RESOURCE CONSENT



LEGEND		
		EX BDY
		PR BDY
		AC PAVING
	AC	BRUSHED CONCRETE
	CB	EXPOSED CONCRETE
	CEA	DISH CHANNEL
	DC	KERB AND CHANNEL
	K&C	KERB AND NIB
	K&N	WHEEL STOP
	WS	PR SWCP SINGLE
		PR STREET LIGHT
		PR STREET SIGN
		ROAD NAME SIGN
		TACTILE PAVERS
		PR SW SWALE
		PR 2YR FLOOD LEVEL
		SUPER LOT BDY

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A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	YC	11/2024	
Drawn	EZ	02/2025	
Checked	JP/ILC	02/2025	

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Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title

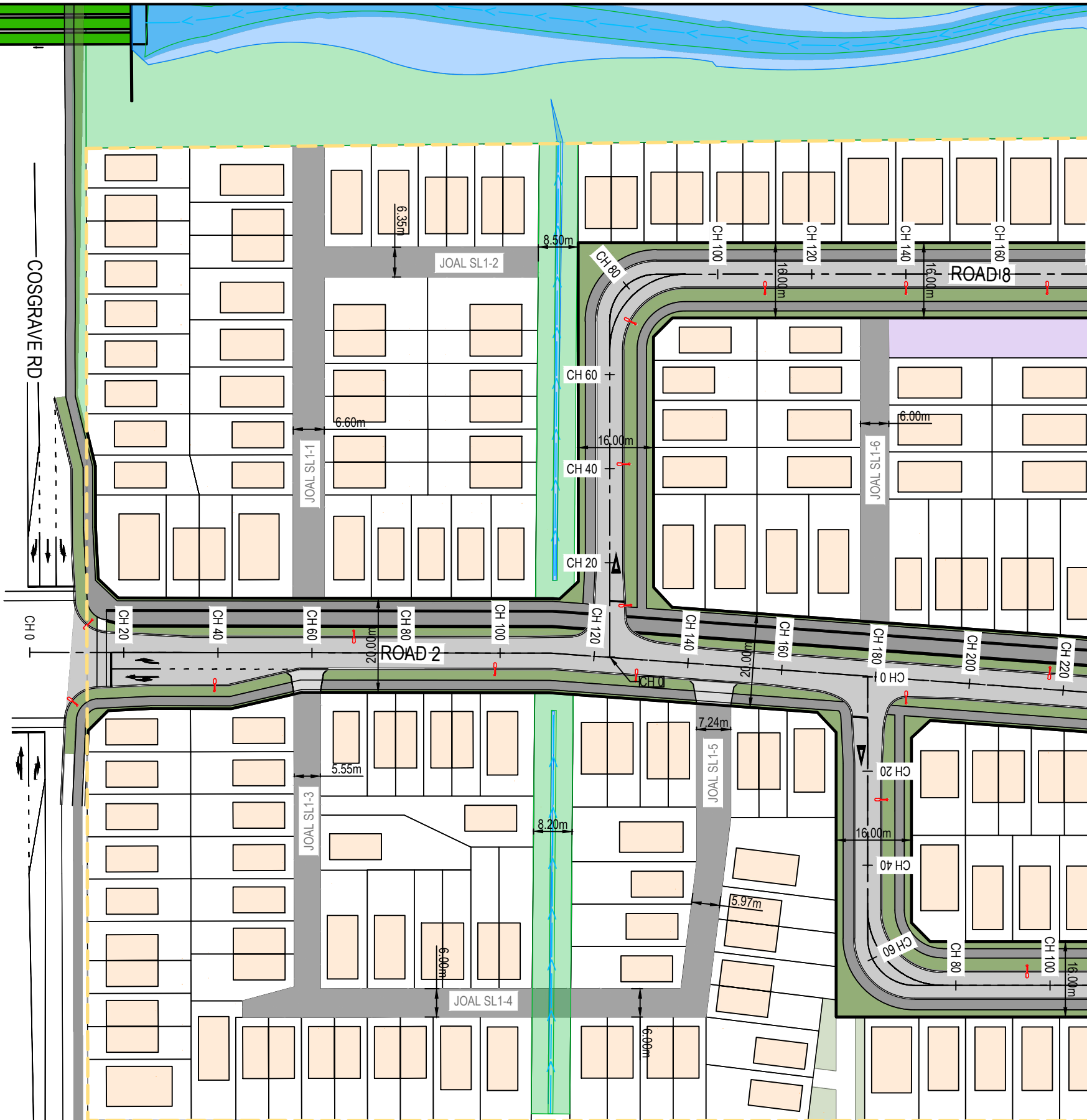
**PROPOSED
ROADING
PLAN: SHEET 2**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S1-C300.DWG		
Drawing no.	S1-C300-2	Rev	A



LEGEND	
—	EX BDY
—	PR BDY
—	AC PAVING
—	BRUSHED CONCRETE
—	EXPOSED CONCRETE
—	DISH CHANNEL
—	KERB AND CHANNEL
—	KERB AND NIB
—	WHEEL STOP
—	PR SWCP SINGLE
—	PR STREET LIGHT
—	PR STREET SIGN
—	ROAD NAME SIGN
—	TACTILE PAVERS
—	PR SW SWALE
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—	SUPER LOT BDY

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A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
Survey	SURVEYWORK		02/2021
Design	YC		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025

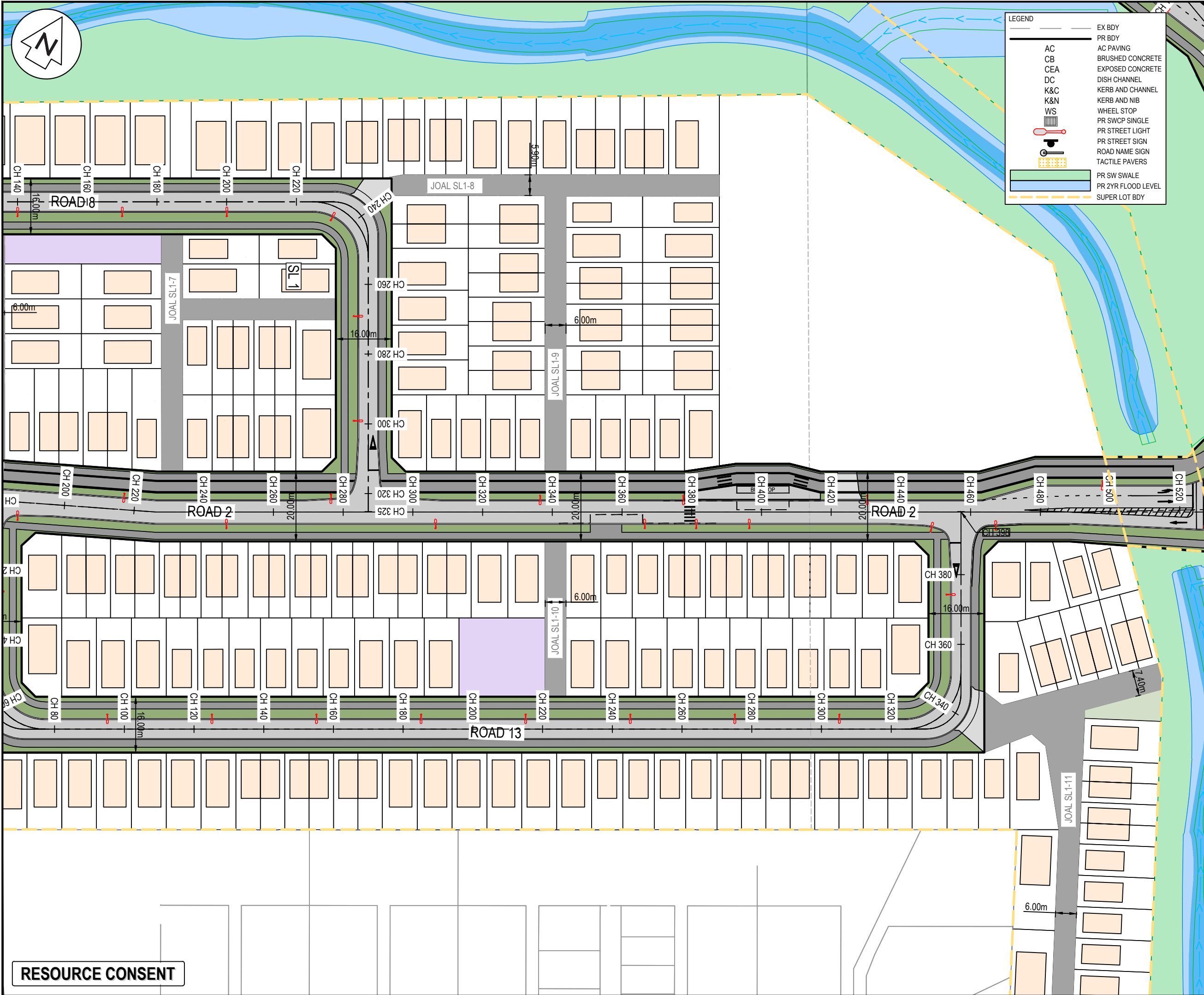
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 3**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C300.DWG
Drawing no.	S1-C300-3
Rev	A

RESOURCE CONSENT



- NOTES
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A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	YC		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025



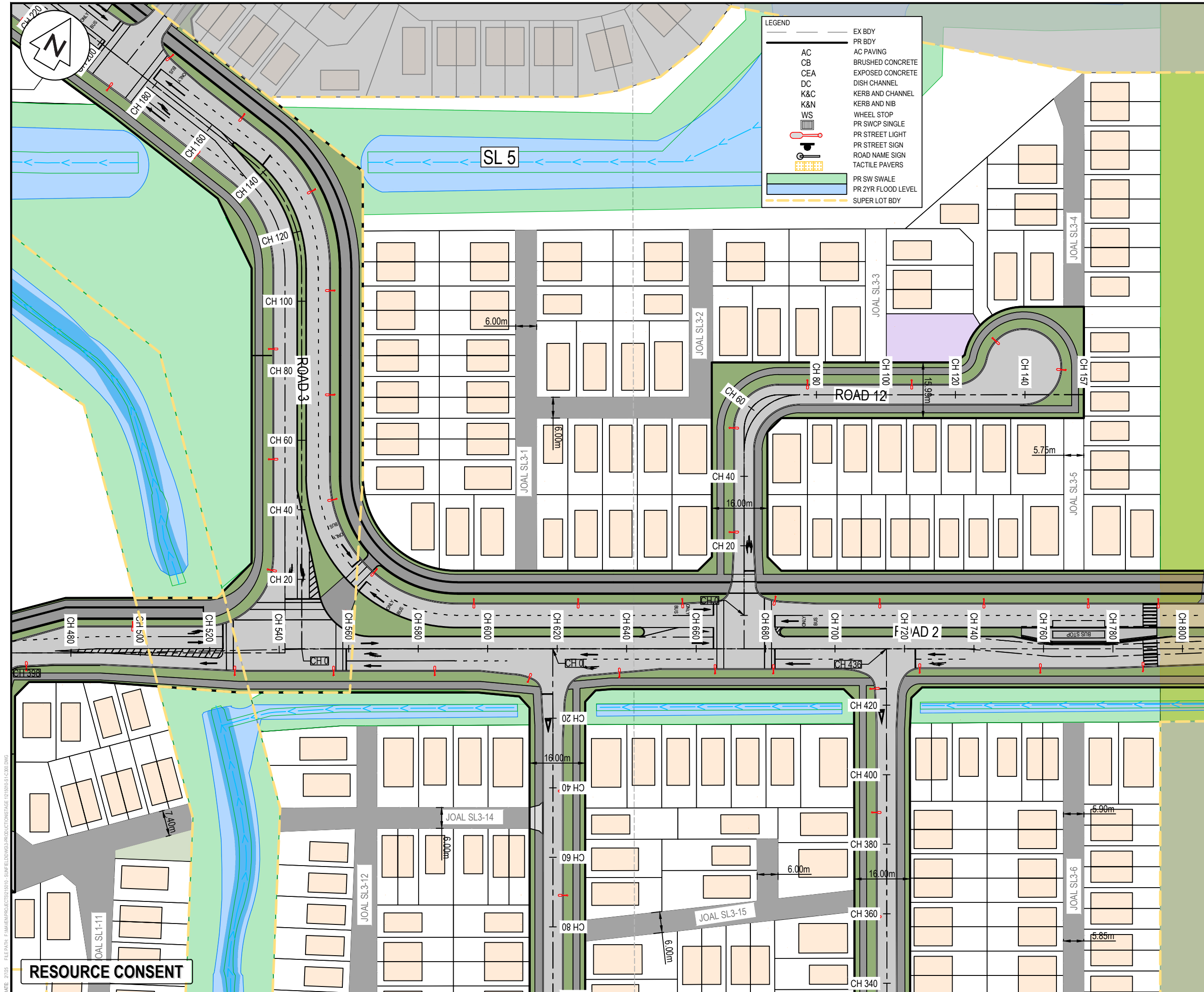
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 4**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C300.DWG
Drawing no.	S1-C300-4
Rev	A

RESOURCE CONSENT



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A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	YC		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025

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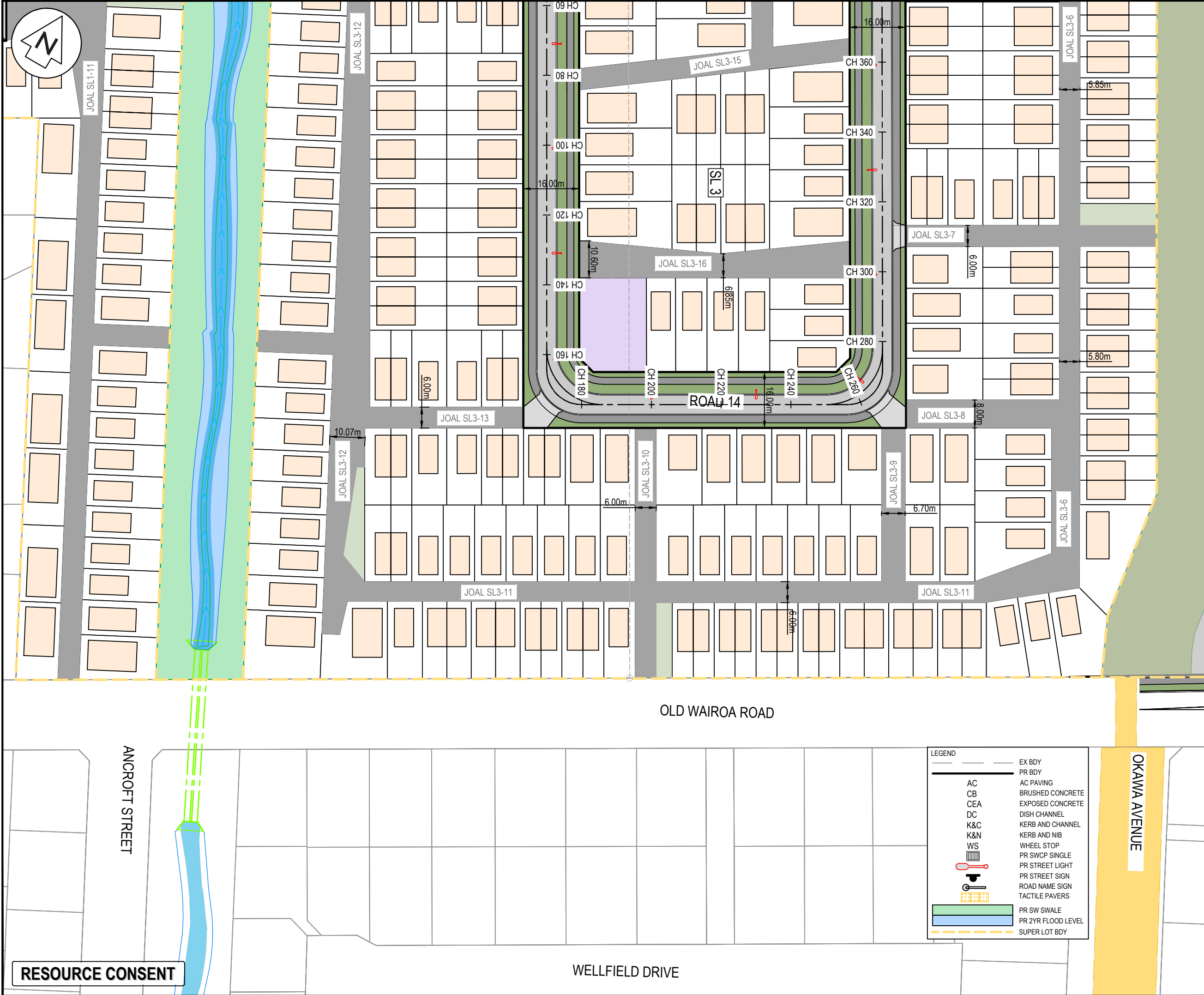
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 5**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C300.DWG
Drawing no.	S1-C300-5
Rev	A

DATE: 27/02/25 FILE PATH: F:\Maven\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 1\215010-S1-C300.DWG

RESOURCE CONSENT



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A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	YC		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025



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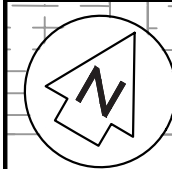
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 6**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C300.DWG
Drawing no.	S1-C300-6
Rev	A

LEGEND	
	EX BDY
	PR BDY
	AC PAVING
	BRUSHED CONCRETE
	EXPOSED CONCRETE
	DISH CHANNEL
	KERB AND CHANNEL
	KERB AND NIB
	WHEEL STOP
	PR SWCP SINGLE
	PR STREET LIGHT
	PR STREET SIGN
	ROAD NAME SIGN
	TACTILE PAVERS
	PR SW SWALE
	PR 2YR FLOOD LEVEL
	SUPER LOT BDY

RESOURCE CONSENT



REFER S1-C300-1

REFER S1-C300-2

SL 2

SL 5

SL 2

REFER S1-C300-5

REFER S1-C300-3

REFER S1-C300-4

SL 1

SL 3

SL 1

REFER S1-C300-6

SL 3

SL 4

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
 3. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 4. 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).
 5. 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.
 6. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 7. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
 8. ALL MANHOLES ARE TO BE 1050mmØ PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
 9. ALL CATCHPIT LEADS SHALL HAVE MIN COVER 1.0m.
 10. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 11. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

LEGEND

---	EX BDY
- - - -	PR SUPERLOT BDY
---	PR BDY
---	EX STORMWATER
---	PR STORMWATER
---	EX/PR SWMH
---	PR SWCP SINGLE
---	PR SWCP RECESSED
---	PR SW RECHARGE PIT
---	PR SW SWALE
---	EX FIRST GAS EASEMENT

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	TY		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025

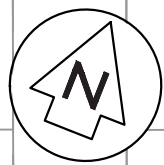
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5 Owens Road, Epsom
Auckland 1023

Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
STORMWATER
PLAN OVERVIEW**

Project no.	215010
Scale	1:2500 @ A3
Cad file	215010-S1-C400.DWG
Drawing no.	S1-C400
Rev	A

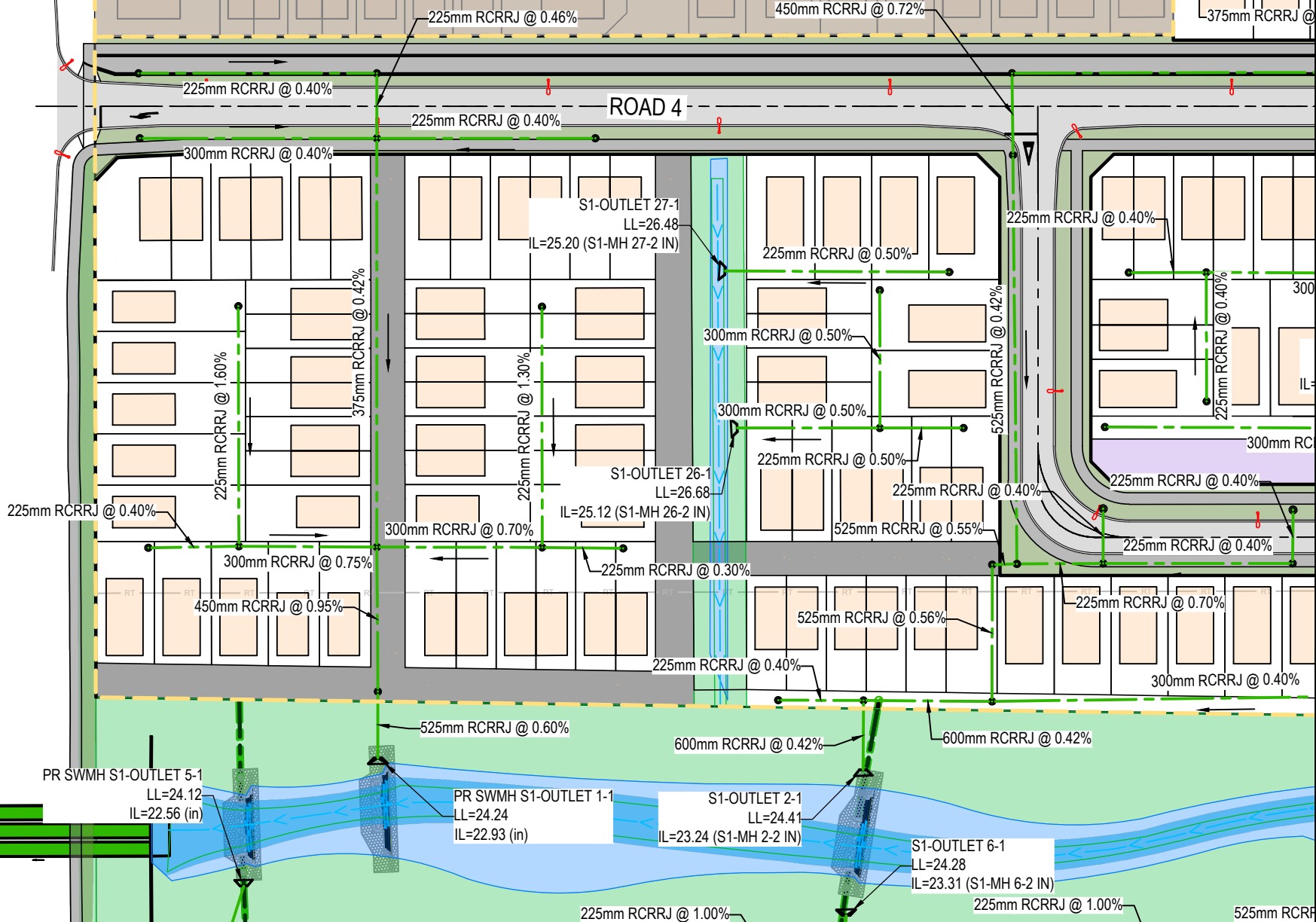
RESOURCE CONSENT



COSGRAVE RD

PARAHAU RD

ROAD 4



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
 3. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 4. 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).
 5. 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.
 6. APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
 7. HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICED AREAS.
 8. ALL MANHOLES ARE TO BE 1050mmØ PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
 9. ALL CATCHPIT LEADS SHALL HAVE MIN COVER 1.0m.
 10. ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
 11. ALL LOT CONNECTION TO BE MIN 100mm uPVC SN16 UNLESS SHOWN OTHERWISE.

LEGEND

	EX BDY
	PR SUPERLOT BDY
	PR BDY
	EX STORMWATER
	PR STORMWATER
	EX/PR SWMH
	PR SWCP SINGLE
	PR SWCP RECESSED
	PR SW RECHARGE PIT
	PR SW SWALE
	EX FIRST GAS EASEMENT

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
Survey	SURVEYWORK		02/2021
Design	TY		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025

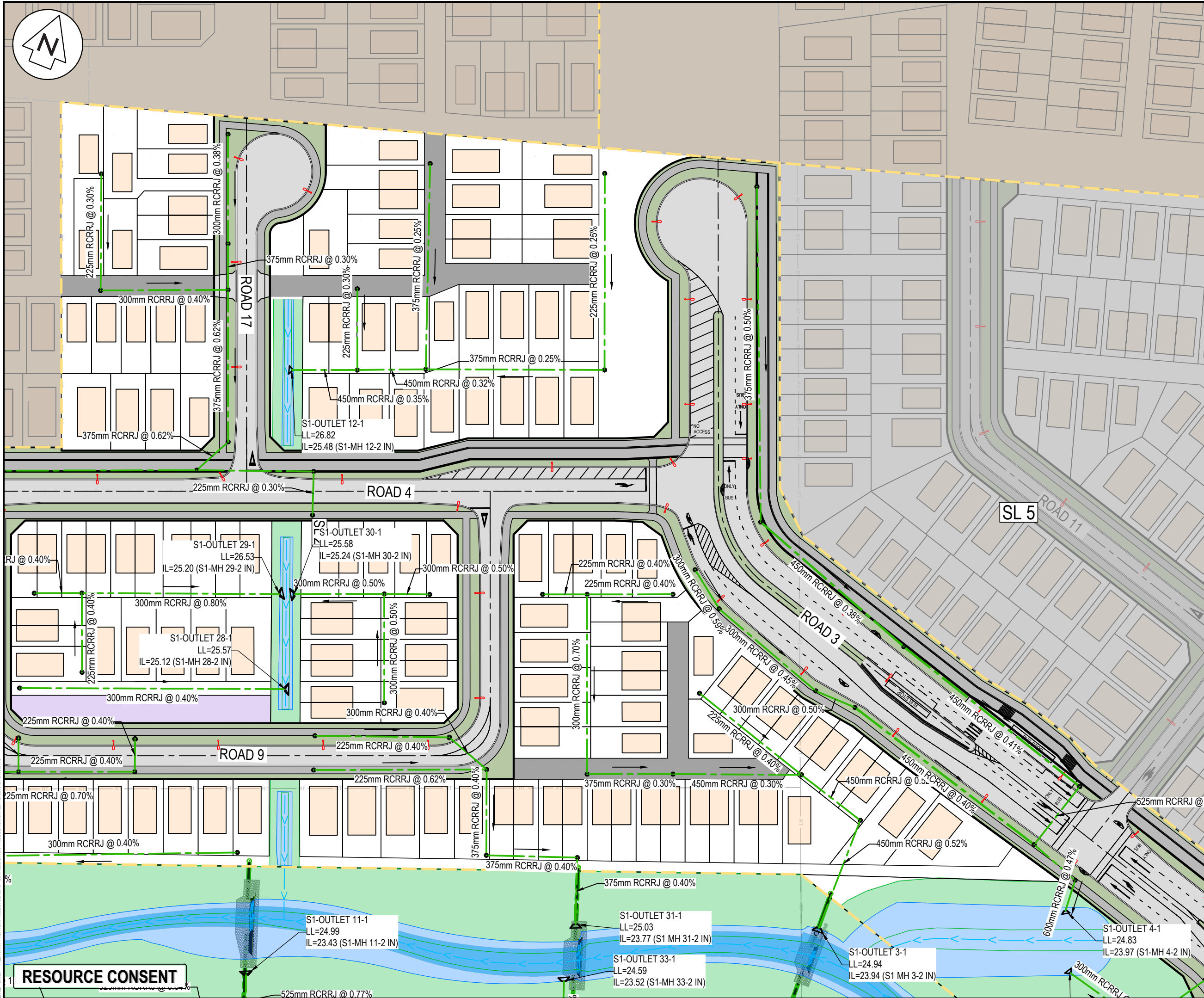


Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
STORMWATER
PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C400.DWG
Drawing no.	S1-C400-1
Rev	A

RESOURCE CONSENT



NOTES

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

---	EX BDY
- - -	PR SUPERLOT BDY
---	PR BDY
---	EX STORMWATER
---	PR STORMWATER
---	EX/PR SWMH
---	PR SWCP SINGLE
---	PR SWCP RECESSED
---	PR SW RECHARGE PIT
---	PR SW SWALE
---	EX FIRST GAS EASEMENT

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	TY		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025

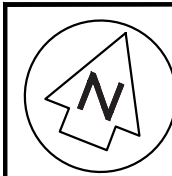
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Auckland 1023

Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
STORMWATER
PLAN: SHEET 2**

Project no.	215010
Scale	1:1 ORIG @ A3
Cad file	215010-S1-C400.DWG
Drawing no.	S1-C400-2
Rev	A

DATE: 2/7/25 FILE PATH: F:\MVEN\PROJECTS\215010 - SUNFIELD\DWG\PRODUCTION\STAGE 1\215010-S1-C400.DWG



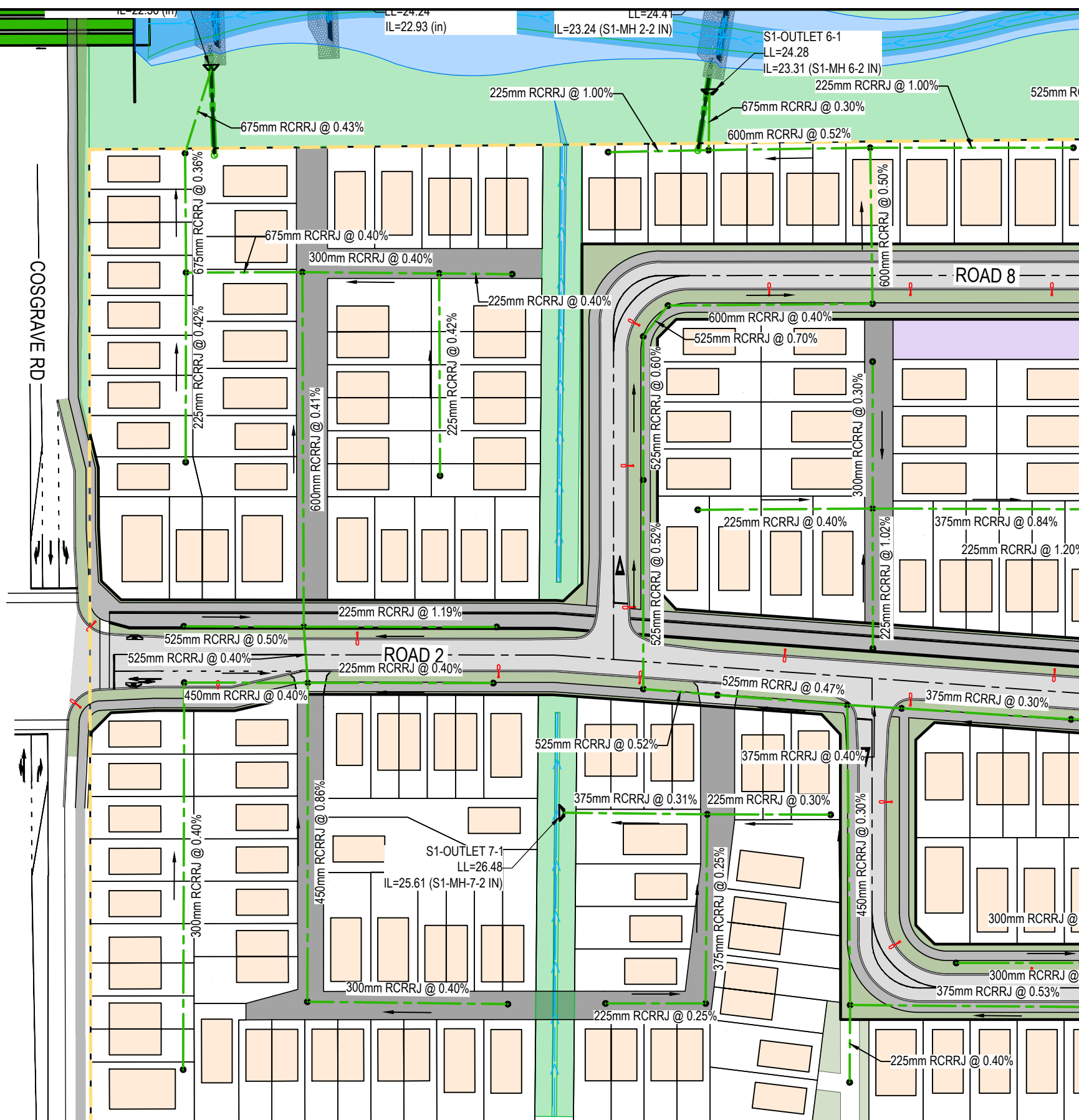
MINHAS RD

TUMU RD

BELLBIRD ST

FARMLAND RD

COSGRAVE RD



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

	EX BDY
	PR SUPERLOT BDY
	PR BDY
	EX STORMWATER
	PR STORMWATER
	EX/PR SWMH
	PR SWCP SINGLE
	PR SWCP RECESSED
	PR SW RECHARGE PIT
	PR SW SWALE
	EX FIRST GAS EASEMENT

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	TY		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025



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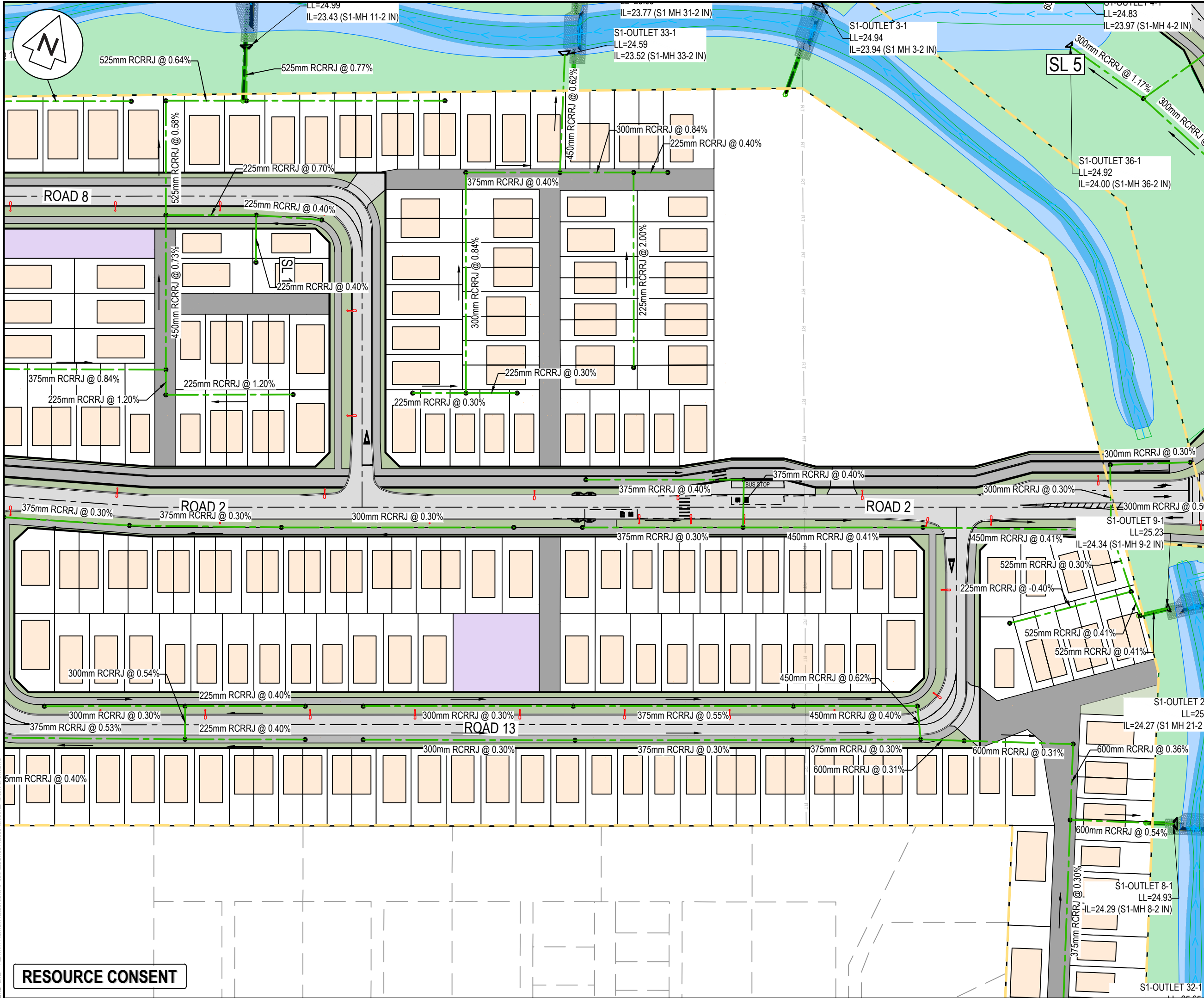
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
STORMWATER
PLAN: SHEET 3**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C400.DWG
Drawing no.	S1-C400-3
Rev	A

RESOURCE CONSENT

DATE: 2/7/25 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\PRODUCTIONS\STAGE 1\215010-S1-C400.DWG



NOTES

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LEGEND

---	EX BDY
- - - -	PR SUPERLOT BDY
---	PR BDY
---	EX STORMWATER
---	PR STORMWATER
⊙	EX/PR SWMH
⊙	PR SWCP SINGLE
⊙	PR SWCP RECESSED
⊙	PR SW RECHARGE PIT
⊙	PR SW SWALE
⊙	EX FIRST GAS EASEMENT

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	TY		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025

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Project

SUNFIELD DEVELOPMENT

ARDMORE, AUCKLAND

SUPERLOT 1-3

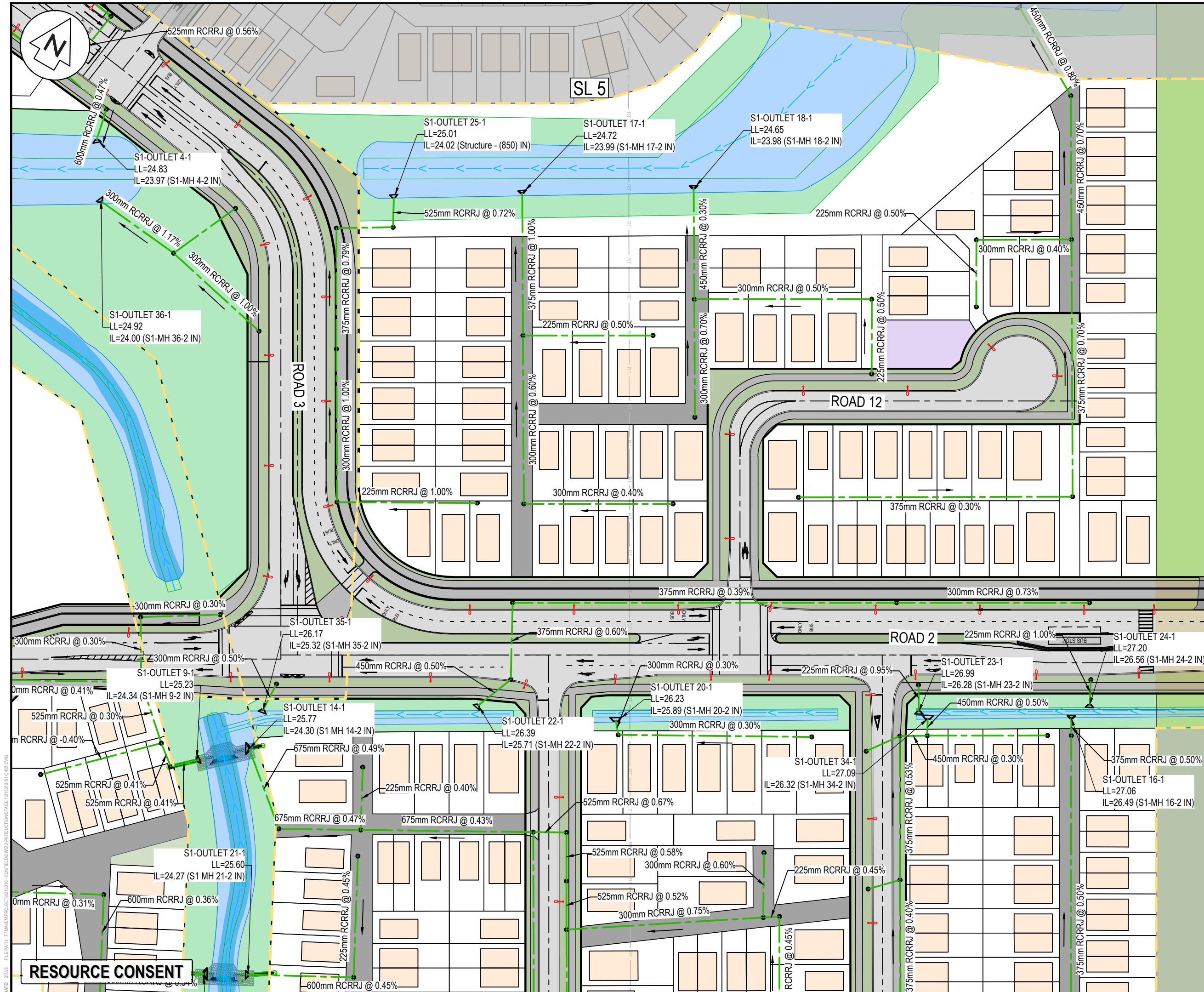
FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED STORMWATER PLAN: SHEET 4

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C400.DWG
Drawing no.	S1-C400-4
Rev	A

DATE: 2/7/25 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\PRODUCTION\STAGE 1\215010-S1-C400.DWG



NOTES

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LEGEND

- EX BDY
- PR SUPERLOT BDY
- PR BDY
- EX STORMWATER
- PR STORMWATER
- EX/PR SW/MH
- PR SWCP SINGLE
- PR SWCP RECESSED
- PR SW RECHARGE PIT
- PR SW SWALE
- EX FIRST GAS EASEMENT

Rev	Description	By	Date
A	RESOURCE CONSENT	EZ	02/2025

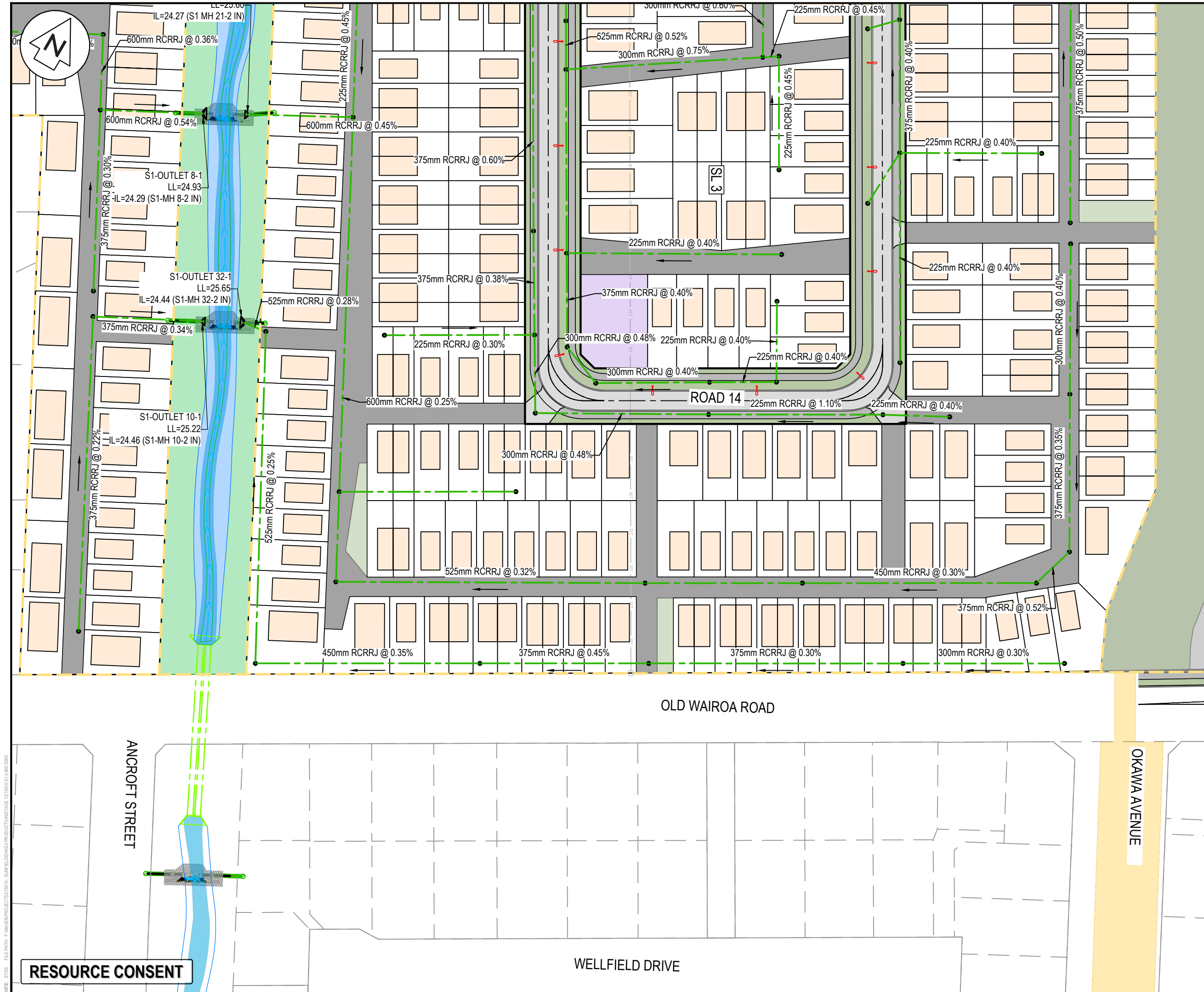
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
STORMWATER
PLAN: SHEET 5**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C400.DWG
Drawing no.	S1-C400-5
Rev	A

DATE: 27/02/2025 FILE PATH: F:\Maven\Projects\215010 - SUNFIELD\DWG\PRODUCTION\STAGE 1\215010-S1-C400.DWG



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 2016.
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LEGEND

	EX BDY
	PR SUPERLOT BDY
	PR BDY
	EX STORMWATER
	PR STORMWATER
	EX/PR SWMH
	PR SWCP SINGLE
	PR SWCP RECESSED
	PR SW RECHARGE PIT
	PR SW SWALE
	EX FIRST GAS EASEMENT

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	TY		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025

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Project	SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 1-3 FOR SUNFIELD DEVELOPMENTS LIMITED		
Title	PROPOSED STORMWATER PLAN: SHEET 6		
Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S1-C400.DWG		
Drawing no.	S1-C400-6	Rev	A

DATE: 27/02/2025 FILE PATH: F:\Maven\PROJECTS\215010 - SUNFIELD\DWG3-PRODUCTION\STAGE 1\215010-S1-C400.DWG



REFER S1-C500-1

REFER S1-C500-2

REFER S1-C500-3

REFER S1-C500-4

REFER S1-C500-5

REFER S1-C500-6

RESOURCE CONSENT

WASTEWATER NOTES

1. ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE.
2. ALL PRIVATE DRAINAGE WORKS TO COMPLY WITH THE NEW ZEALAND BUILDING CODE.
3. ALL DRAINAGE WORKS SHALL BE CARRIED OUT UNDER THE SUPERVISION OF A REGISTERED DRAIN LAYER AND IN ACCORDANCE WITH CURRENT HEALTH AND SAFETY PRACTICES. WHERE REQUIRED, DRAINAGE WORKS ARE TO BE UNDERTAKEN BY AN APPROVED LICENSED CONTRACTOR (A.L.C.)
4. ALL ORDINARY TRENCH BACKFILL SHALL COMPRISE SUITABLE EARTHFILL FREE OF TOPSOIL/ORGANICS AND SHALL BE WELL COMPACTED IN LAYERS NOT EXCEEDING 200mm TO ACHIEVE MINIMUM SHEAR STRENGTHS OF 100 kPa / MAX. 10% AIR Voids OR AS PER THE EARTHWORKS SPECIFICATION.
5. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/ TRAFFIC AREAS TO BE HARDFILL BACKFILLED WITH APPROVED GAP65 TO 1.0m BEYOND EXTENT CARRIAGEWAY. TRENCH HARDFILL BACKFILL TO BE WELL COMPACTED TO ACHIEVE MIN. CLEGG HAMMER CIV = 25.
6. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NZVD 2016
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8. ALL WW NETWORK SHOULD BE SDR11 PN16 CLASS UNLESS SHOWN OTHERWISE.

LEGEND

- | | |
|---|---------------------|
| — | EXISTING BDY |
| — | PROPOSED BDY |
| — | EX WASTEWATER |
| — | PR WASTEWATER PRIV |
| — | PR WASTEWATER |
| — | PR WASTEWATER BULK |
| — | MAIN (LPS) |
| — | PR BDY KIT - SINGLE |
| — | PR BDY KIT - DOUBLE |
| — | SUPER LOT BDY |

A RESOURCE CONSENT EZ 02/2025

Rev Description By Date

Survey SURVEYWORX 02/2021

Design AS 11/2024

Drawn KNH 12/2024

Checked JP/LC 02/2025



Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

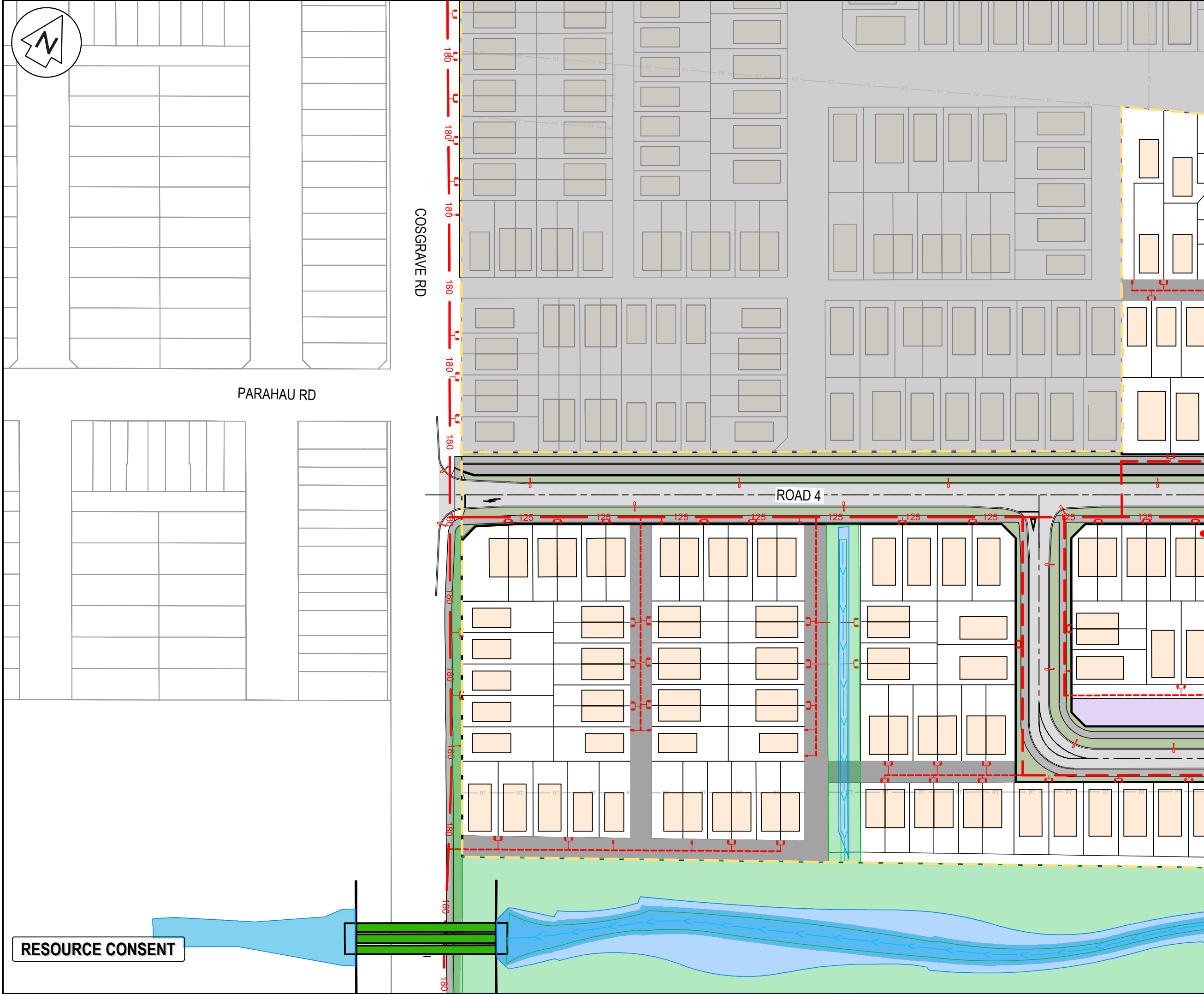
Title
**PROPOSED
WASTEWATER
PLAN: SHEET 1**

Project no. 215010

Scale 1:1000 @ A3

Cad file 215010-S1-C500.DWG

Drawing no. S1-C500-0 Rev A



WASTEWATER NOTES

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LEGEND

- EXISTING BDY
- PROPOSED BDY
- EX WASTEWATER
- PR WASTEWATER PRIV
- PR WASTEWATER
- PR WASTEWATER BULK MAIN (LPS)
- PR BDY KIT - SINGLE
- PR BDY KIT - DOUBLE
- SUPER LOT BDY

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORKX	02/2021
	Design	AS	11/2024
	Drawn	KNH	12/2024
	Checked	JP/LC	02/2025

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Project

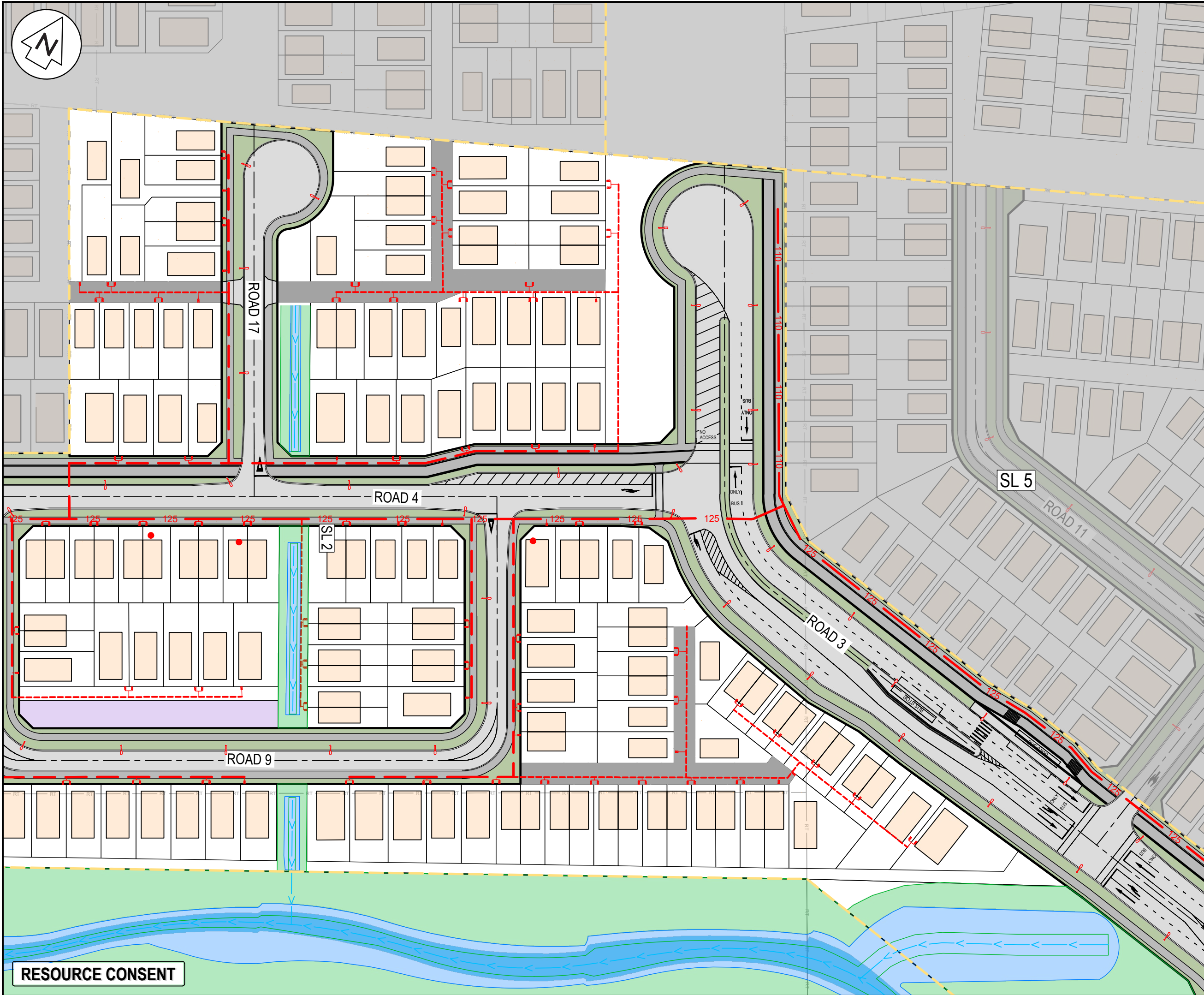
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title

**PROPOSED
WASTEWATER
PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C500.DWG
Drawing no.	S1-C500-1
Rev	A

RESOURCE CONSENT



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- ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/ TRAFFIC AREAS TO BE HARDFILL BACKFILLED WITH APPROVED GAP65 TO 1.0m BEYOND EXTENT CARRIAGEWAY. TRENCH HARDFILL BACKFILL TO BE WELL COMPACTED TO ACHIEVE MIN. CLEGG HAMMER CIV = 25.
- COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NZVD 2016
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
- 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).
- ALL WW NETWORK SHOULD BE SDR11 PN16 CLASS UNLESS SHOWN OTHERWISE.

LEGEND

---	EXISTING BDY
---	PROPOSED BDY
---	EX WASTEWATER
---	PR WASTEWATER PRIV
---	PR WASTEWATER
---	PR WASTEWATER BULK
---	MAIN (LPS)
---	PR BDY KIT - SINGLE
---	PR BDY KIT - DOUBLE
---	SUPER LOT BDY

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORKX	02/2021	
Design	AS	11/2024	
Drawn	KNH	12/2024	
Checked	JP/LC	02/2025	

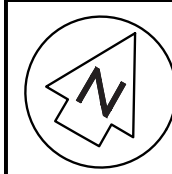
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WASTEWATER
PLAN: SHEET 2**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S1-C500.DWG		
Drawing no.	S1-C500-2	Rev	A

RESOURCE CONSENT



MINHAS RD

TUMU RD

BELLBIRD ST

FARMLAND RD

COSGRAVE RD

ROAD 2

ROAD 8

WASTEWATER NOTES

1. ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE.
2. ALL PRIVATE DRAINAGE WORKS TO COMPLY WITH THE NEW ZEALAND BUILDING CODE.
3. ALL DRAINAGE WORKS SHALL BE CARRIED OUT UNDER THE SUPERVISION OF A REGISTERED DRAIN LAYER AND IN ACCORDANCE WITH CURRENT HEALTH AND SAFETY PRACTICES. WHERE REQUIRED, DRAINAGE WORKS ARE TO BE UNDERTAKEN BY AN APPROVED LICENSED CONTRACTOR (A.L.C.)
4. ALL ORDINARY TRENCH BACKFILL SHALL COMPRISE SUITABLE EARTHFILL FREE OF TOPSOIL/ORGANICS AND SHALL BE WELL COMPACTED IN LAYERS NOT EXCEEDING 200mm TO ACHIEVE MINIMUM SHEAR STRENGTHS OF 100 kPa / MAX. 10% AIR VOIDS OR AS PER THE EARTHWORKS SPECIFICATION.
5. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/ TRAFFIC AREAS TO BE HARDFILL BACKFILLED WITH APPROVED GAP65 TO 1.0m BEYOND EXTENT CARRIAGEWAY. TRENCH HARDFILL BACKFILL TO BE WELL COMPACTED TO ACHIEVE MIN. CLEGG HAMMER CIV = 25.
6. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NZVD 2016
7. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
8. 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).
8. ALL WW NETWORK SHOULD BE SDR11 PN16 CLASS UNLESS SHOWN OTHERWISE.

LEGEND

- EXISTING BDY
- PROPOSED BDY
- EX WASTEWATER
- PR WASTEWATER PRIV
- PR WASTEWATER
- PR WASTEWATER BULK MAIN (LPS)
- PR BDY KIT - SINGLE
- PR BDY KIT - DOUBLE
- SUPER LOT BDY

A RESOURCE CONSENT				EZ	02/2025
Rev	Description	By	Date		
Survey	SURVEYWORX		02/2021		
Design	AS		11/2024		
Drawn	KNH		12/2024		
Checked	JP/LC		02/2025		



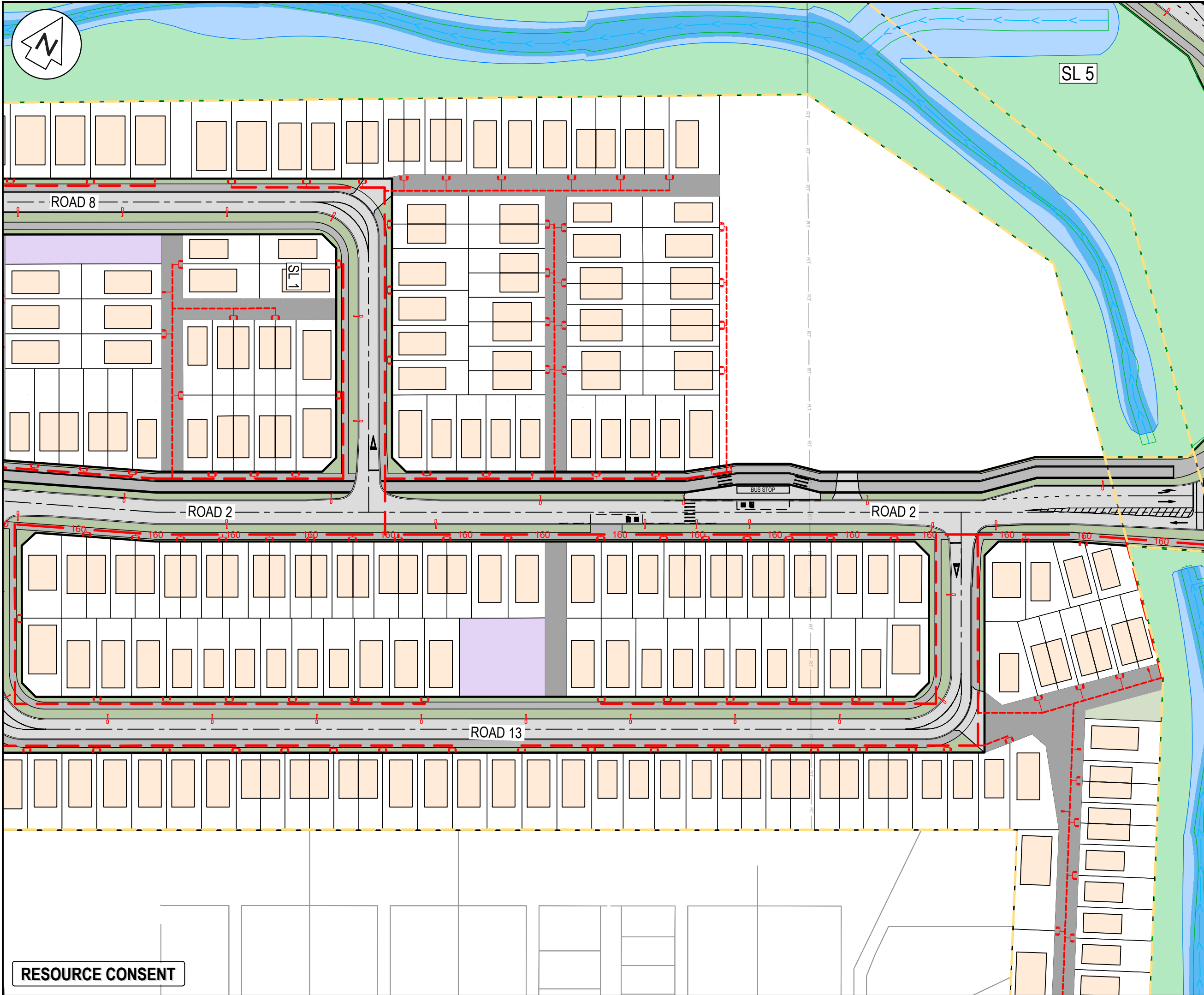
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Auckland 1023

Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WASTEWATER
PLAN: SHEET 3**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S1-C500.DWG		
Drawing no.	S1-C500-3	Rev	A

RESOURCE CONSENT



WASTEWATER NOTES

1. ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE.
2. ALL PRIVATE DRAINAGE WORKS TO COMPLY WITH THE NEW ZEALAND BUILDING CODE.
3. ALL DRAINAGE WORKS SHALL BE CARRIED OUT UNDER THE SUPERVISION OF A REGISTERED DRAIN LAYER AND IN ACCORDANCE WITH CURRENT HEALTH AND SAFETY PRACTICES. WHERE REQUIRED, DRAINAGE WORKS ARE TO BE UNDERTAKEN BY AN APPROVED LICENSED CONTRACTOR (A.L.C.)
4. ALL ORDINARY TRENCH BACKFILL SHALL COMPRISE SUITABLE EARTHFILL FREE OF TOPSOIL/ORGANICS AND SHALL BE WELL COMPACTED IN LAYERS NOT EXCEEDING 200mm TO ACHIEVE MINIMUM SHEAR STRENGTHS OF 100 kPa / MAX. 10% AIR VOIDS OR AS PER THE EARTHWORKS SPECIFICATION.
5. ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/ TRAFFIC AREAS TO BE HARDFILL BACKFILLED WITH APPROVED GAP65 TO 1.0m BEYOND EXTENT CARRIAGEWAY. TRENCH HARDFILL BACKFILL TO BE WELL COMPACTED TO ACHIEVE MIN. CLEGG HAMMER CIV = 25.
6. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NZVD 2016
7. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
8. 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).
8. ALL WW NETWORK SHOULD BE SDR11 PN16 CLASS UNLESS SHOWN OTHERWISE.

LEGEND

---	EXISTING BDY
---	PROPOSED BDY
---	EX WASTEWATER
---	PR WASTEWATER PRIV
---	PR WASTEWATER
---	PR WASTEWATER BULK MAIN (LPS)
---	PR BDY KIT - SINGLE
---	PR BDY KIT - DOUBLE
---	SUPER LOT BDY

Rev	Description	By	Date
A	RESOURCE CONSENT	EZ	02/2025
Survey	SURVEYWORK		02/2021
Design	AS		11/2024
Drawn	KNH		12/2024
Checked	JP/LC		02/2025

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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

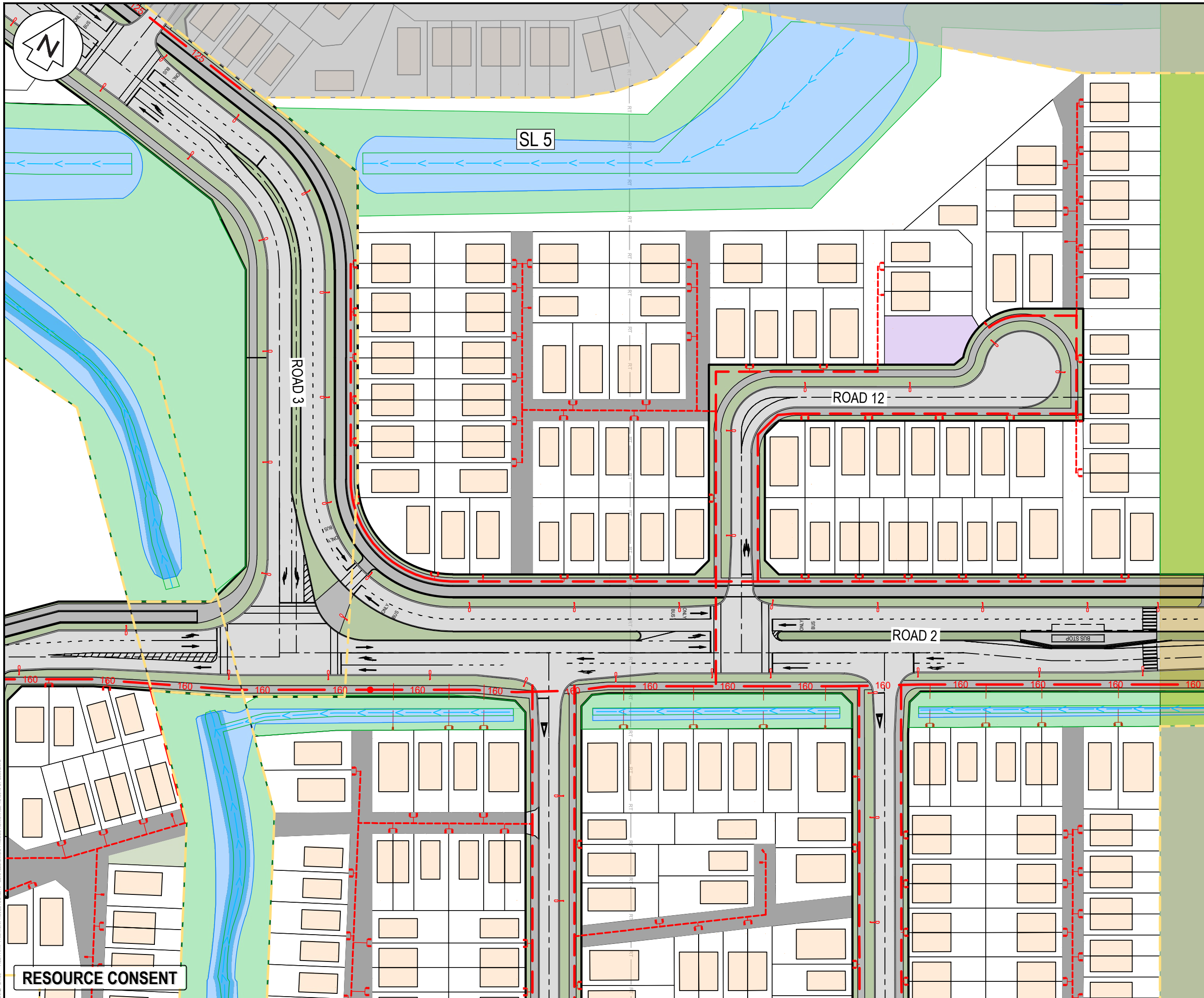
Title
**PROPOSED
WASTEWATER
PLAN: SHEET 4**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S1-C500.DWG		
Drawing no.	S1-C500-4	Rev	A

DATE: 2/2/25 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG3-PRODUCTION\STAGE 12\5010-S1-C500.DWG

RESOURCE CONSENT

DATE: 2/2/25 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG3-PRODUCTION\STAGE 12\215010-S1-C500.DWG



WASTEWATER NOTES

- ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE.
- ALL PRIVATE DRAINAGE WORKS TO COMPLY WITH THE NEW ZEALAND BUILDING CODE.
- ALL DRAINAGE WORKS SHALL BE CARRIED OUT UNDER THE SUPERVISION OF A REGISTERED DRAIN LAYER AND IN ACCORDANCE WITH CURRENT HEALTH AND SAFETY PRACTICES. WHERE REQUIRED, DRAINAGE WORKS ARE TO BE UNDERTAKEN BY AN APPROVED LICENSED CONTRACTOR (A.L.C.)
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- ALL PIPE CROSSINGS UNDER CARRIAGEWAYS/ TRAFFIC AREAS TO BE HARDFILL BACKFILLED WITH APPROVED GAP65 TO 1.0m BEYOND EXTENT CARRIAGEWAY. TRENCH HARDFILL BACKFILL TO BE WELL COMPACTED TO ACHIEVE MIN. CLEGG HAMMER CIV = 25.
- COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NZVD 2016
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
- 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).
- ALL WW NETWORK SHOULD BE SDR11 PN16 CLASS UNLESS SHOWN OTHERWISE.

LEGEND

---	EXISTING BDY
---	PROPOSED BDY
---	EX WASTEWATER
---	PR WASTEWATER PRIV
---	PR WASTEWATER
---	PR WASTEWATER BULK MAIN (LPS)
---	PR BDY KIT - SINGLE
---	PR BDY KIT - DOUBLE
---	SUPER LOT BDY

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	AS	11/2024
	Drawn	KNH	12/2024
	Checked	JP/LC	02/2025

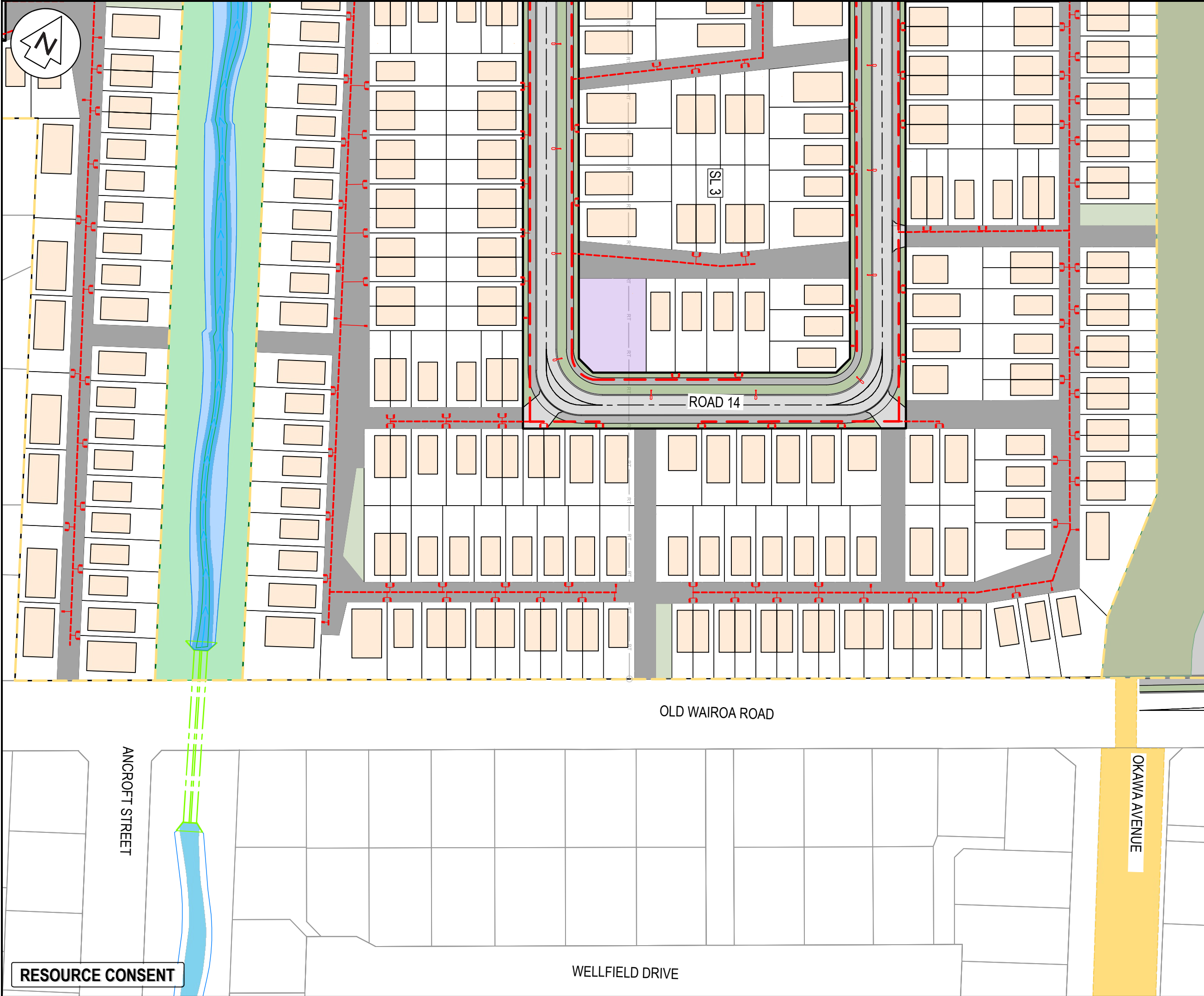
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WASTEWATER
PLAN: SHEET 5**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S1-C500.DWG		
Drawing no.	S1-C500-5	Rev	A

RESOURCE CONSENT



- WASTEWATER NOTES
1. ALL WORKS AND MATERIALS TO COMPLY WITH WATERCARE SERVICES LIMITED CODE OF PRACTICE.
 2. ALL PRIVATE DRAINAGE WORKS TO COMPLY WITH THE NEW ZEALAND BUILDING CODE.
 3. ALL DRAINAGE WORKS SHALL BE CARRIED OUT UNDER THE SUPERVISION OF A REGISTERED DRAIN LAYER AND IN ACCORDANCE WITH CURRENT HEALTH AND SAFETY PRACTICES. WHERE REQUIRED, DRAINAGE WORKS ARE TO BE UNDERTAKEN BY AN APPROVED LICENSED CONTRACTOR (A.L.C.)
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 6. COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NZVD 2016
 7. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 8. 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).
 8. ALL WW NETWORK SHOULD BE SDR11 PN16 CLASS UNLESS SHOWN OTHERWISE.

LEGEND

---	EXISTING BDY
---	PROPOSED BDY
---	EX WASTEWATER
---	PR WASTEWATER PRIV
---	PR WASTEWATER
---	PR WASTEWATER BULK
---	MAIN (LPS)
---	PR BDY KIT - SINGLE
---	PR BDY KIT - DOUBLE
---	SUPER LOT BDY

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORK		02/2021
Design	AS		11/2024
Drawn	KNH		12/2024
Checked	JP/LC		02/2025

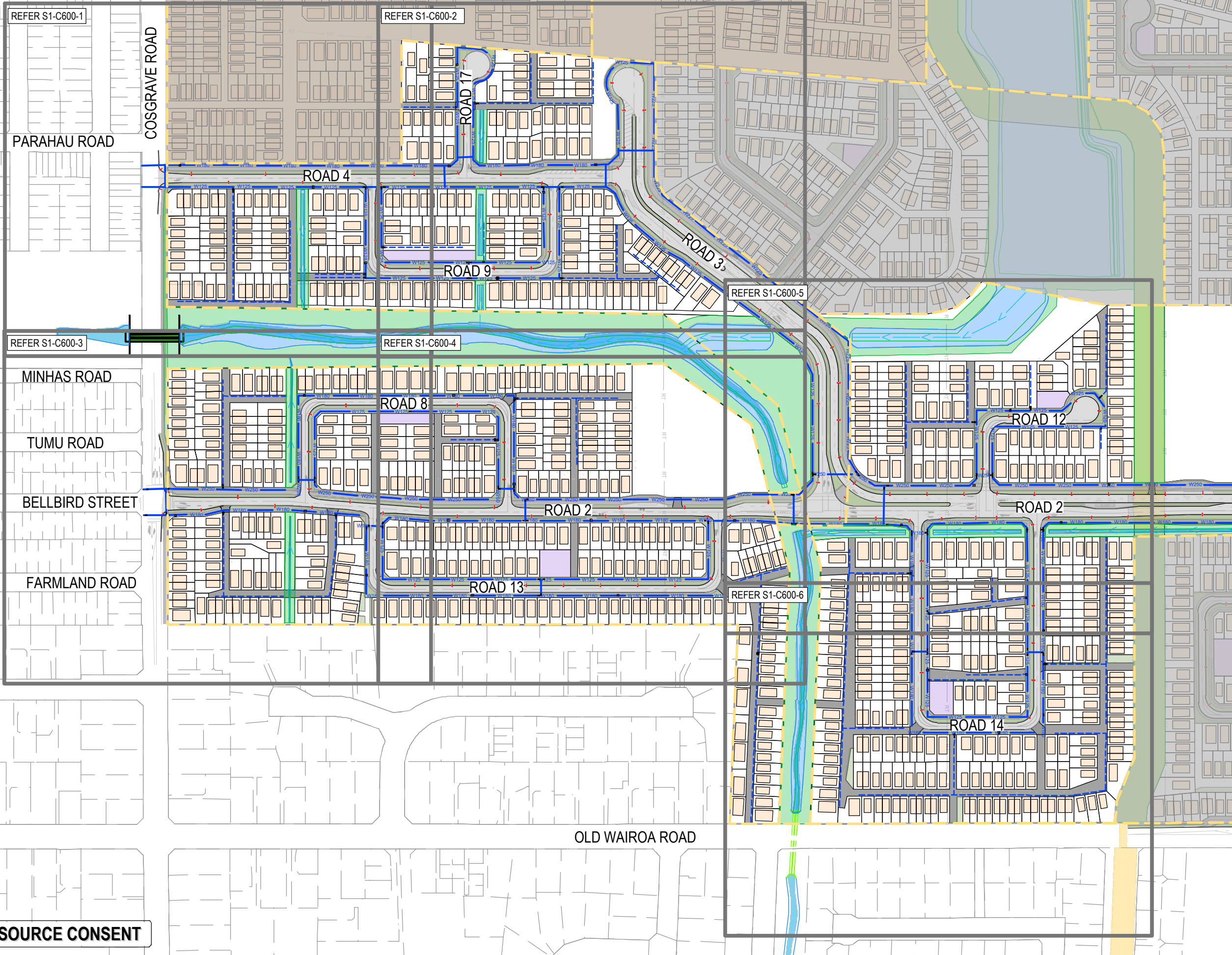
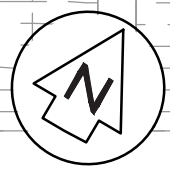


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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WASTEWATER
PLAN: SHEET 6**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C500.DWG
Drawing no.	S1-C500-6
Rev	A



NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
- MINIMUM COVER SHALL BE:
ROADS AND FRONT 1M OF BERM: 900mm
BERMS: 600mm
SERVICE CONNECTIONS: 450mm
- WATERMANS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
- ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
- ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
- ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
- PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
- METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150mm ABOVE ALL WATERMANS.
- A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
- ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
- ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

LEGEND

EX BDY	EX WATERMAIN
PROP BDY	PROP WATERMAIN
SUPER LOT BDY	PR WATER PRIVATE
W	PR WATERMAIN 100mm
W100	PR WATERMAIN 125mm
W125	EX/PROP HYDRANT
FH	EX/PROP METER
WM	EX SLUICE VALVE
X	EX PEET VALVE
⊗	PROP SLUICE VALVE
⊗	PROP PEET VALVE

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	AS	02/2025
	Drawn	EZ	11/2024
	Checked	JP/LC	02/2025

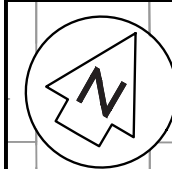
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WATER SUPPLY
OVERVIEW**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C600.DWG
Drawing no.	S1-C600-0
Rev	A

DATE: 27/02/2025 FILE PATH: F:\Maven\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 1\215010-S1-C600.DWG



NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
- MINIMUM COVER SHALL BE:
ROADS AND FRONT 1M OF BERM: 900mm
BERMS: 600mm
SERVICE CONNECTIONS: 450mm
- WATERMAINS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
- ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
- ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
- ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
- PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
- METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150mm ABOVE ALL WATERMAINS.
- A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
- ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
- ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

LEGEND

---	EX BDY
---	PROP BDY
---	SUPER LOT BDY
---	EX WATERMAIN
---	PROP WATERMAIN
---	PR WATER PRIVATE
---	PR WATERMAIN 100mm
---	PR WATERMAIN 125mm
---	EX/PROP HYDRANT
---	EX/PROP METER
---	EX SLUICE VALVE
---	EX PEET VALVE
---	PROP SLUICE VALVE
---	PROP PEET VALVE

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
Survey	SURVEYWORK		02/2021
Design	AS		02/2025
Drawn	EZ		11/2024
Checked	JP/LC		02/2025

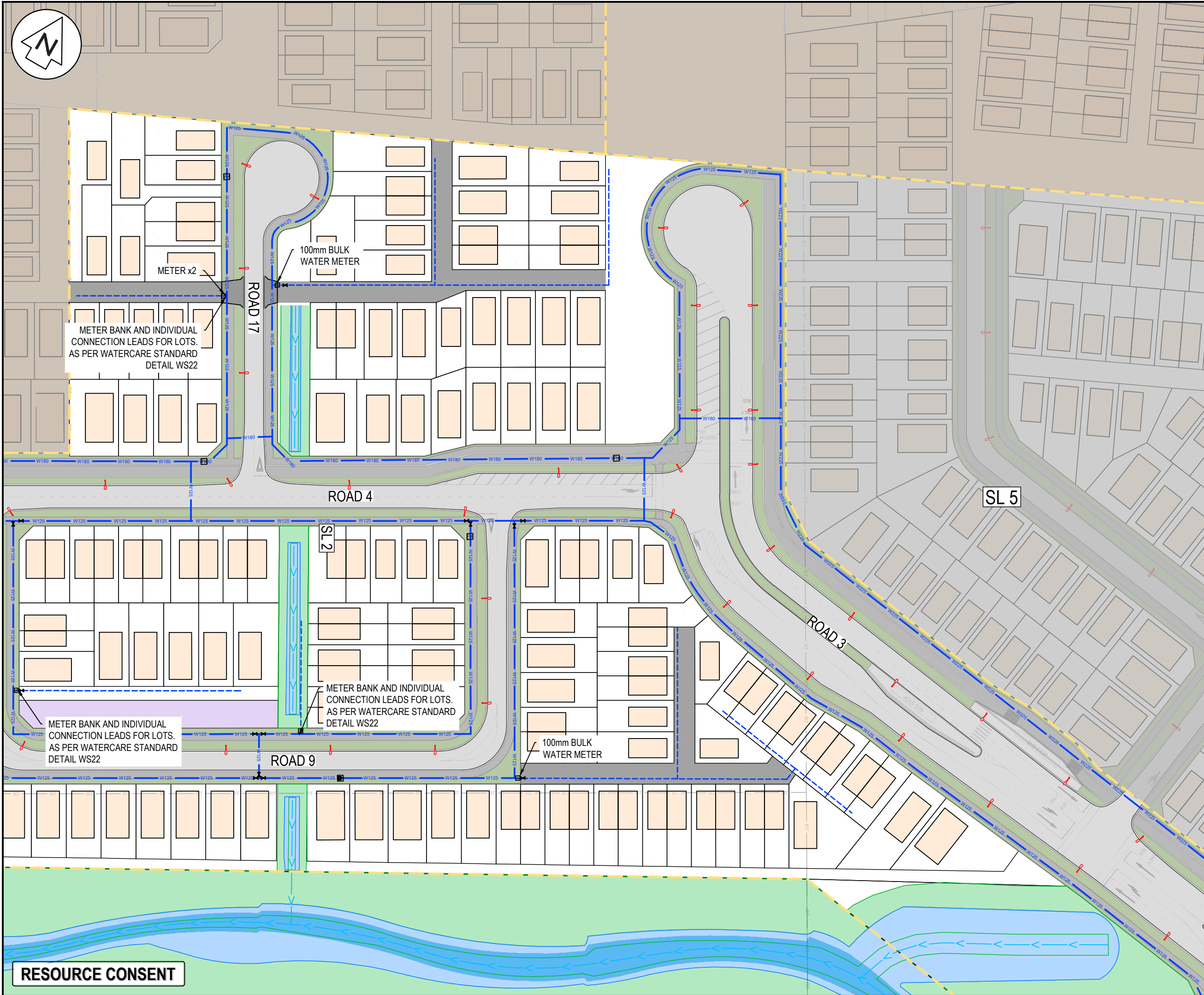
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WATER SUPPLY
PLAN: SHEET 1**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S1-C600.DWG		
Drawing no.	S1-C600-1	Rev	A

RESOURCE CONSENT



NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
- MINIMUM COVER SHALL BE:
ROADS AND FRONT1M OF BERM: 900mm
BERMS 600mm
SERVICE CONNECTIONS: 450mm
- WATERMAINS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
- ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
- ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
- ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
- PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
- METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150mm ABOVE ALL WATERMAINS.
- A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
- ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
- ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

LEGEND

---	EX BDY
---	PROP BDY
---	SUPER LOT BDY
---	EX WATERMAIN
---	PROP WATERMAIN
---	PR WATER PRIVATE
---	PR WATERMAIN 100mm
---	PR WATERMAIN 125mm
FH	EX/PROP HYDRANT
WM	EX/PROP METER
⊗	EX SLUICE VALVE
⊗	EX PEET VALVE
⊗	PROP SLUICE VALVE
⊗	PROP PEET VALVE

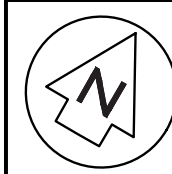
A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	AS	02/2025	
Drawn	EZ	11/2024	
Checked	JP/LC	02/2025	

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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WATER SUPPLY
PLAN: SHEET 2**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C600.DWG
Drawing no.	S1-C600-2
Rev	A



MINHAS ROAD

TUMU ROAD

BELLBIRD STREET

FARMLAND ROAD

COSGRAVE ROAD

100mm BULK
WATER METER

100mm BULK
WATER METER

63mm BULK
WATER METER

ROAD 2

ROAD 8

ROAD 13

- NOTES
- ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 - IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
 - MINIMUM COVER SHALL BE:
ROADS AND FRONT 1M OF BERM: 900mm
BERMS 600mm
SERVICE CONNECTIONS: 450mm
 - WATERMAINS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
 - ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
 - ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
 - ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
 - PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
 - METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150mm ABOVE ALL WATERMAINS.
 - A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
 - ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
 - ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

LEGEND

---	EX BDY
---	PROP BDY
---	SUPER LOT BDY
---	EX WATERMAIN
---	PROP WATERMAIN
---	PR WATER PRIVATE
---	PR WATERMAIN 100mm
---	PR WATERMAIN 125mm
---	EX/PROP HYDRANT
---	EX/PROP METER
---	EX SLUICE VALVE
---	EX PEET VALVE
---	PROP SLUICE VALVE
---	PROP PEET VALVE

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	AS	02/2025
	Drawn	EZ	11/2024
	Checked	JP/LC	02/2025

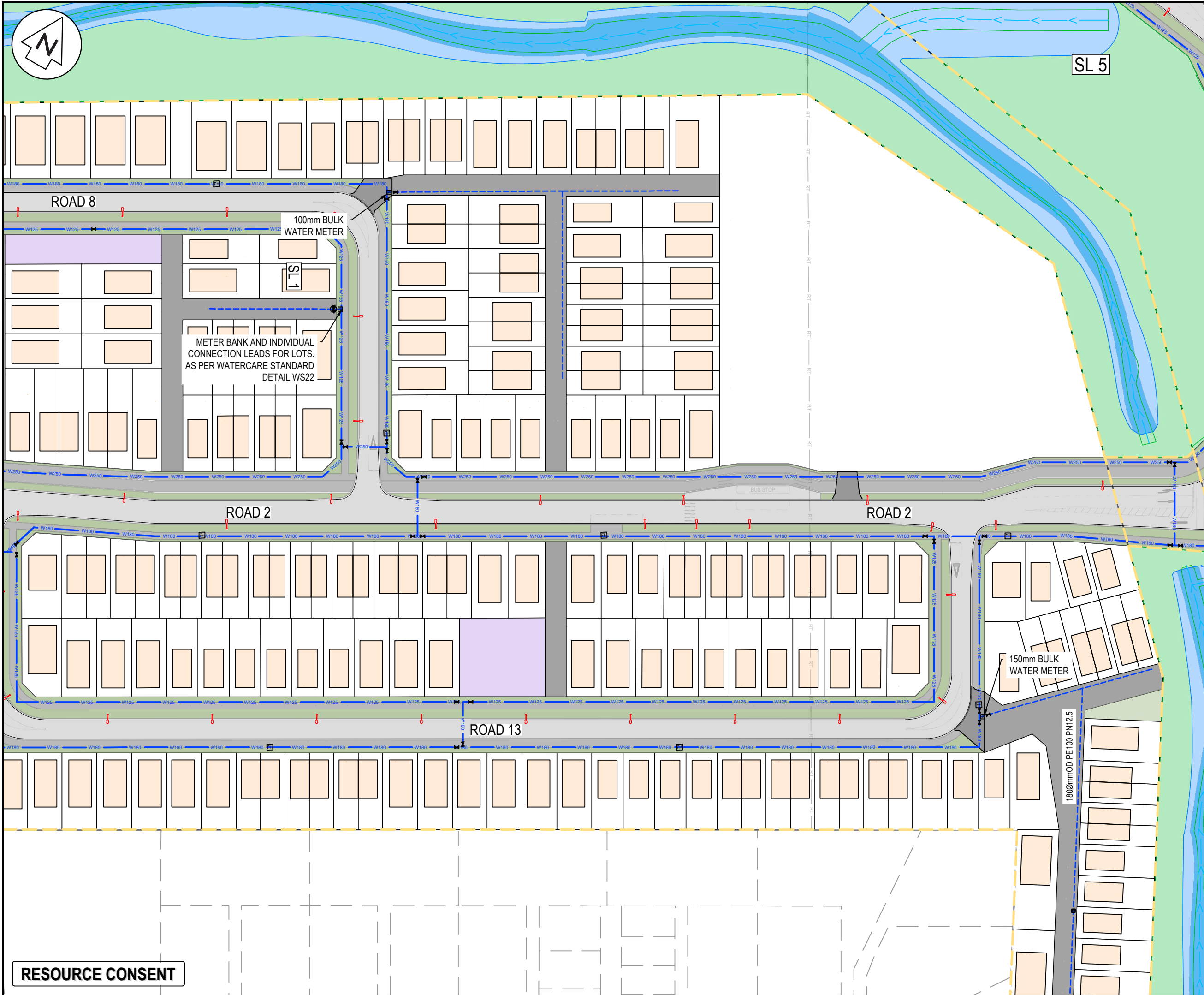
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www.maven.co.nz
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Auckland 1023

Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WATER SUPPLY
PLAN: SHEET 3**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C600.DWG
Drawing no.	S1-C600-3
Rev	A

RESOURCE CONSENT



NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
- MINIMUM COVER SHALL BE:
ROADS AND FRONT 1M OF BERM: 900mm
BERMS: 600mm
SERVICE CONNECTIONS: 450mm
- WATERMAINS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
- ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
- ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
- ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
- PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
- METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150mm ABOVE ALL WATERMAINS.
- A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
- ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
- ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

LEGEND

---	EX BDY
---	PROP BDY
---	SUPER LOT BDY
---	EX WATERMAIN
---	PROP WATERMAIN
---	PR WATER PRIVATE
---	PR WATERMAIN 100mm
---	PR WATERMAIN 125mm
---	EX/PROP HYDRANT
---	EX/PROP METER
---	EX SLUICE VALVE
---	EX PEET VALVE
---	PROP SLUICE VALVE
---	PROP PEET VALVE

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	AS	02/2025
	Drawn	EZ	11/2024
	Checked	JP/LC	02/2025

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Project

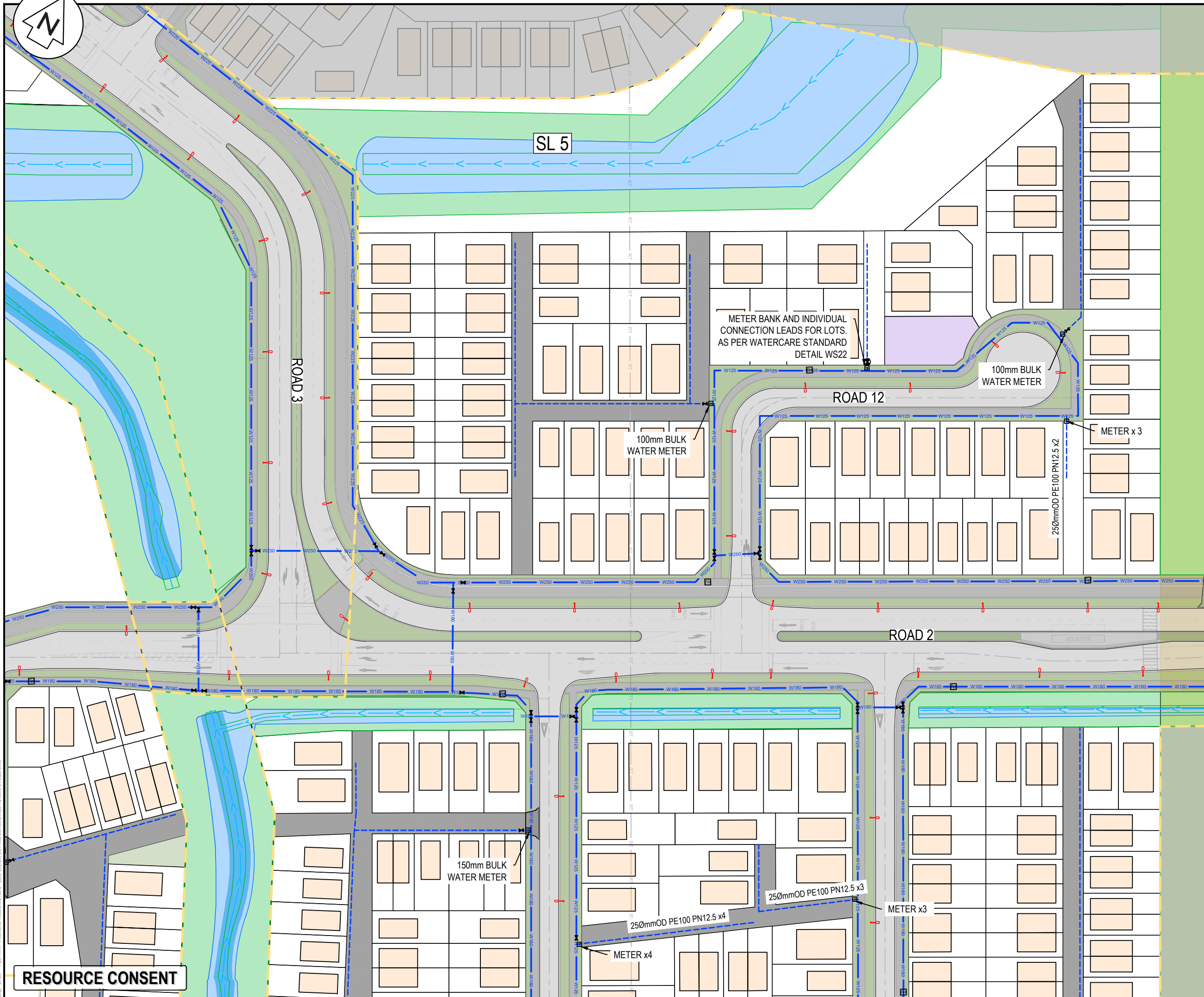
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED
WATER SUPPLY
PLAN: SHEET 4

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C600.DWG
Drawing no.	S1-C600-4
Rev	A

RESOURCE CONSENT



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LEGEND

---	EX BDY
---	PROP BDY
---	SUPER LOT BDY
---	EX WATERMAIN
---	PROP WATERMAIN
---	PR WATER PRIVATE
---	PR WATERMAIN 100mm
---	PR WATERMAIN 125mm
---	EX/PROP HYDRANT
---	EX/PROP METER
---	EX SLUICE VALVE
---	EX PEET VALVE
---	PROP SLUICE VALVE
---	PROP PEET VALVE

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	AS		02/2025
Drawn	EZ		11/2024
Checked	JP/LC		02/2025



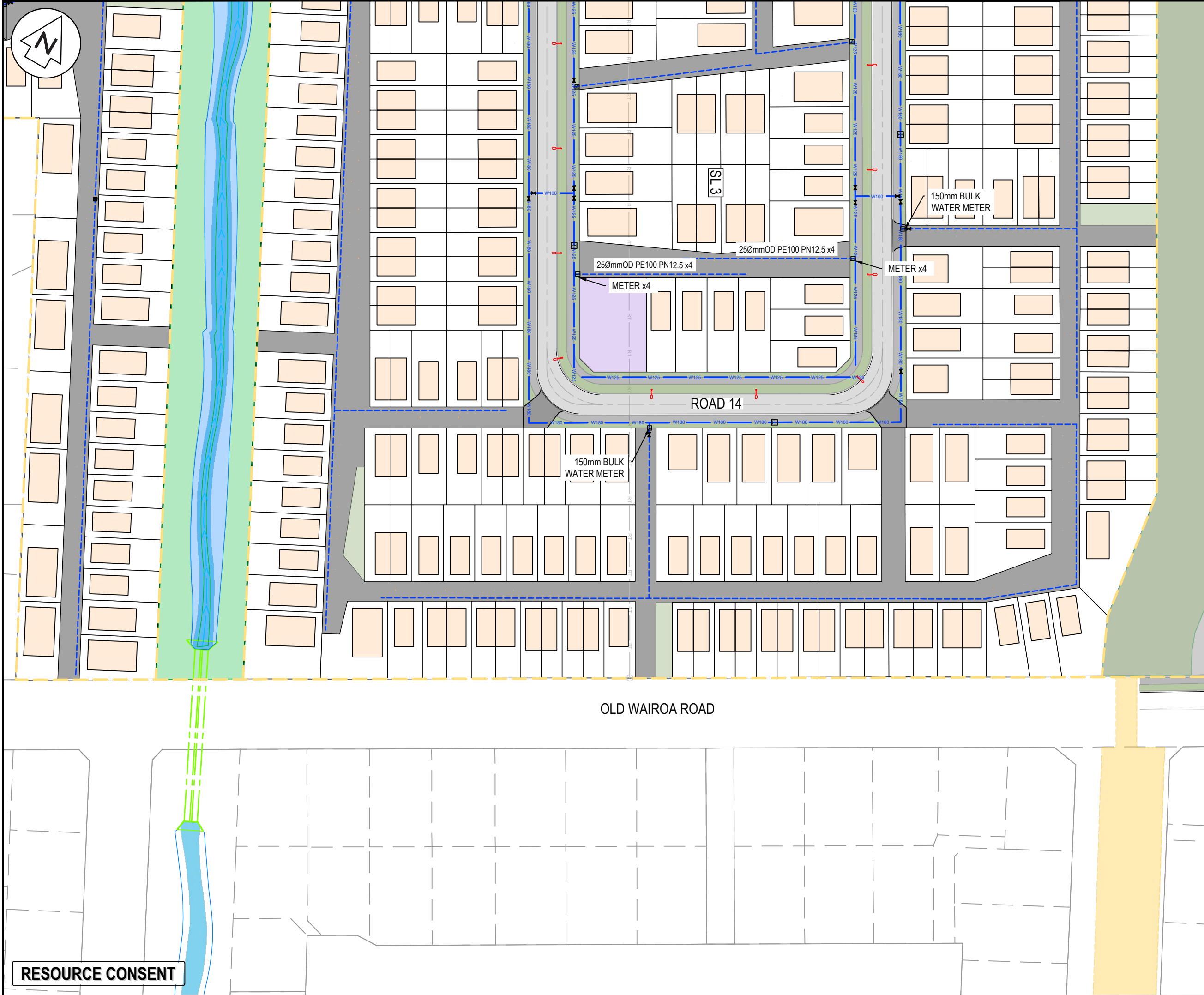
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WATER SUPPLY
PLAN: SHEET 5**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C600.DWG
Drawing no.	S1-C600-5
Rev	A

DATE: 2/2/25 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 1\215010-S1-C600.DWG



- NOTES
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LEGEND

	EX BDY
	PROP BDY
	SUPER LOT BDY
	EX WATERMAIN
	PROP WATERMAIN
	PR WATER PRIVATE
	PR WATERMAIN 100mm
	PR WATERMAIN 125mm
	EX/PROP HYDRANT
	EX/PROP METER
	EX SLUICE VALVE
	EX PEET VALVE
	PROP SLUICE VALVE
	PROP PEET VALVE

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	AS		02/2025
Drawn	EZ		11/2024
Checked	JP/LC		02/2025



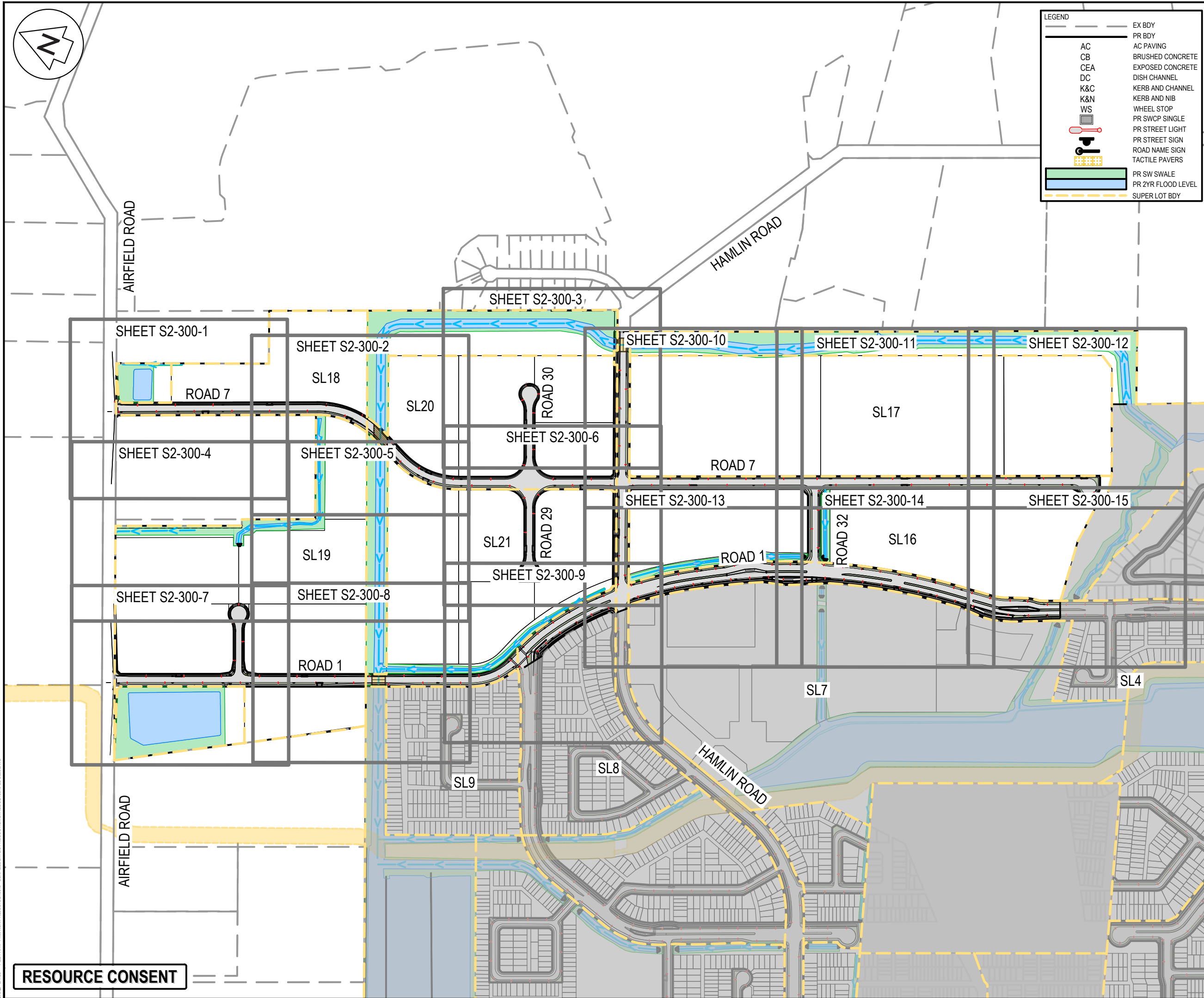
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WATER SUPPLY
PLAN: SHEET 6**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C600.DWG
Drawing no.	S1-C600-6
Rev	A

RESOURCE CONSENT



LEGEND

AC
CB
CEA
DC
K&C
K&N
WS

EX BDY
PR BDY
AC PAVING
BRUSHED CONCRETE
EXPOSED CONCRETE
DISH CHANNEL
KERB AND CHANNEL
KERB AND NIB
WHEEL STOP
PR SWCP SINGLE
PR STREET LIGHT
PR STREET SIGN
ROAD NAME SIGN
TACTILE PAVERS
PR SW SWALE
PR 2YR FLOOD LEVEL
SUPER LOT BDY

- NOTES
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 14. ALL VEHICLE CROSSING SHOWN ARE INDICATIVE ONLY AND SUBJECT TO FUTURE VEHICLE CROSSING PERMIT APPLICATION TO AT BY FUTURE OWNERS.

A	RESOURCE CONSENT	RLK	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	RH, RLK		01/2025
Drawn	RH, RLK		01/2025
Checked	JP/LC		02/2025

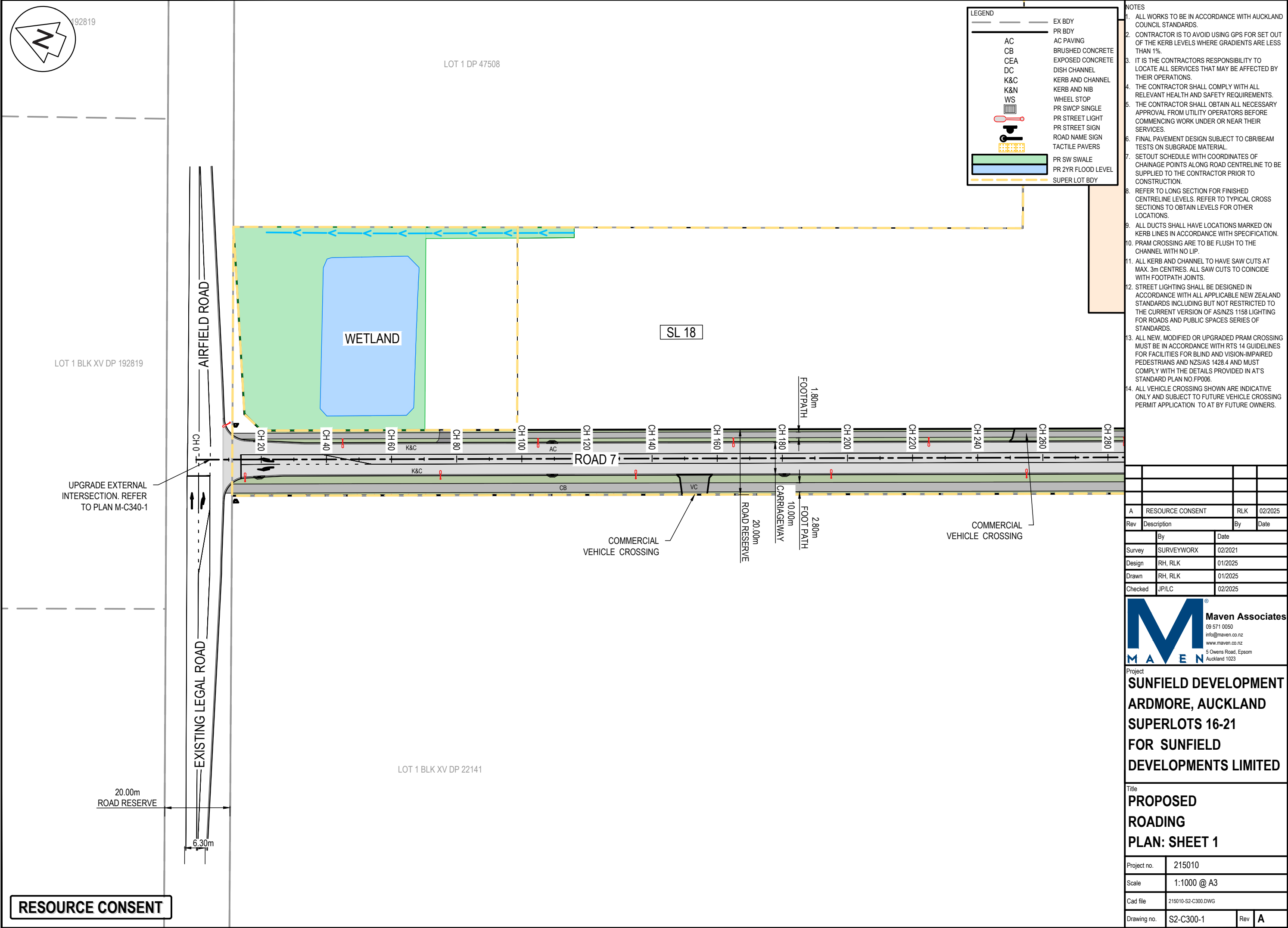
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Auckland 1023

Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOTS 16-21
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
OVERVIEW**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S2-C300.DWG
Drawing no.	S2-C300-0
Rev	A

RESOURCE CONSENT



LEGEND	
	AC
	CB
	CEA
	DC
	K&C
	K&N
	WS
	PR SWCP SINGLE
	PR STREET LIGHT
	PR STREET SIGN
	ROAD NAME SIGN
	TACTILE PAVERS
	PR SW SWALE
	PR 2YR FLOOD LEVEL
	SUPER LOT BDY

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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A			
RESOURCE CONSENT		RLK	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	RH, RLK		01/2025
Drawn	RH, RLK		01/2025
Checked	JP/LC		02/2025



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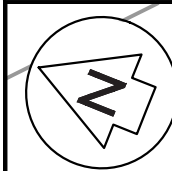
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOTS 16-21
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S2-C300.DWG
Drawing no.	S2-C300-1
Rev	A



Title			
PROPOSED ROADING PLAN: SHEET 2			
Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S2-C300.DWG		
Drawing no.	S2-C300-2	Rev	A



LOT 13 DP 173310

LOT 12 DP 173310

LOT 11 DP 173310

LOT 10 DP 173310

LOT 9 DP 173310

LOT 8 DP 173310

LOT 7 DP 173310

LOT 6 DP 173310

LOT 5 DP 173310

LOT 4 DP 173310

LOT 3 DP 173310

LOT 2 DP 173310

LOT 1 DP 173310

LEGEND	
	EX BDY
	PR BDY
	AC PAVING
	BRUSHED CONCRETE
	EXPOSED CONCRETE
	DISH CHANNEL
	KERB AND CHANNEL
	KERB AND NIB
	WHEEL STOP
	PR SWCP SINGLE
	PR STREET LIGHT
	PR STREET SIGN
	ROAD NAME SIGN
	TACTILE PAVERS
	PR SW SWALE
	PR 2YR FLOOD LEVEL
	SUPER LOT BDY

SWALE

PROPOSED BRIDGE

EXISTING LEGAL ROAD

CH 1526
CH 1520
CH 1500
PT 1501.38
R50.00m

PC 1455.82
PI 1451.03
TIE INTO EXISTING
HAMLIN ROAD. REFER
TO PLAN M-C340-2

CH 1460

CH 1440

CH 1420

CH 1400

CH 1380

CH 1360

CH 1340

CH 1320

CH 1300

CH 1280

CH 1260

CH 1240

COMMERCIAL
VEHICLE CROSSING

Road 30
CH 140.00
0.00m
E: 417750.786
N: 782730.904

SL 20

16.00m
ROAD RESERVE

1.80m
FOOT PATH

1.80m
FOOTPATH

25.00m
ROAD RESERVE

1.90m
FOOT PATH

2.00m
FOOTPATH

SL 17

RESOURCE CONSENT

- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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A	RESOURCE CONSENT	RLK	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORK		02/2021
Design	RH, RLK		01/2025
Drawn	RH, RLK		01/2025
Checked	JP/LC		02/2025

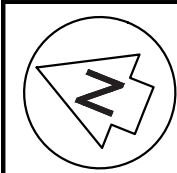


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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOTS 16-21
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 3**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S2-C300.DWG
Drawing no.	S2-C300-3
Rev	A



20.00m
ROAD RESERVE

EXISTING LEGAL ROAD

6.30m

LOT 1 BLK XV DP 22141

LOT 5 BLK XV DP 20982

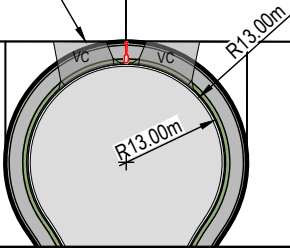
AIRFIELD ROAD

SWALE

SWALE

SL 19

COMMERCIAL
VEHICLE CROSSING



RESOURCE CONSENT

LEGEND	
---	EX BDY
---	PR BDY
---	AC PAVING
---	BRUSHED CONCRETE
---	EXPOSED CONCRETE
---	DISH CHANNEL
---	KERB AND CHANNEL
---	KERB AND NIB
---	WHEEL STOP
---	PR SWCP SINGLE
---	PR STREET LIGHT
---	PR STREET SIGN
---	ROAD NAME SIGN
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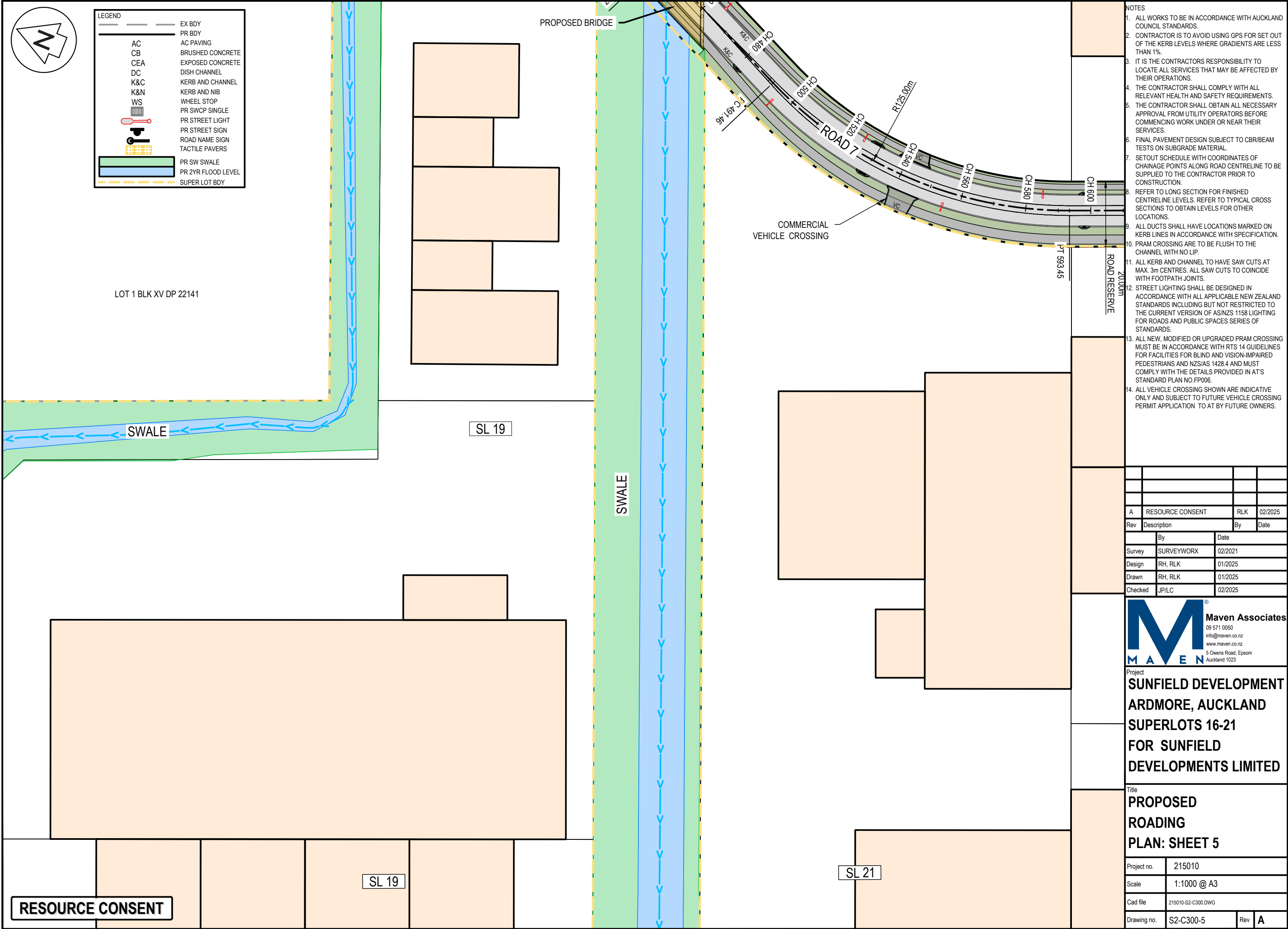
A	RESOURCE CONSENT	RLK	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	RH, RLK	01/2025	
Drawn	RH, RLK	01/2025	
Checked	JP/LC	02/2025	

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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOTS 16-21
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 4**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S2-C300.DWG
Drawing no.	S2-C300-4
Rev	A



LEGEND

---	EX BDY
---	PR BDY
---	AC PAVING
---	BRUSHED CONCRETE
---	EXPOSED CONCRETE
---	DISH CHANNEL
---	K&C KERB AND CHANNEL
---	K&N KERB AND NIB
---	WS WHEEL STOP
---	PR SWCP SINGLE
---	PR STREET LIGHT
---	PR STREET SIGN
---	ROAD NAME SIGN
---	TACTILE PAVERS
---	PR SW SWALE
---	PR 2YR FLOOD LEVEL
---	SUPER LOT BDY

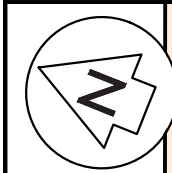
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A	RESOURCE CONSENT	RLK	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	RH, RLK	01/2025	
Drawn	RH, RLK	01/2025	
Checked	JP/LC	02/2025	

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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOTS 16-21
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title PROPOSED ROADING PLAN: SHEET 5			
Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S2-C300.DWG		
Drawing no.	S2-C300-5	Rev	A



SL 20

SL 17

SL 16

SL 21

LEGEND

AC

CB

CEA

DC

K&C

K&N

WS

EX BDY

PR BDY

AC PAVING

BRUSHED CONCRETE

EXPOSED CONCRETE

DISH CHANNEL

KERB AND CHANNEL

KERB AND NIB

WHEEL STOP

PR SWCP SINGLE

PR STREET LIGHT

PR STREET SIGN

ROAD NAME SIGN

TACTILE PAVERS

PR SW SWALE

PR 2YR FLOOD LEVEL

SUPER LOT BDY

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Rev	Description	By	Date
		By	Date
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Design	RH, RLK		01/2025
Drawn	RH, RLK		01/2025
Checked	JP/LC		02/2025

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**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOTS 16-21
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 6**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S2-C300.DWG
Drawing no.	S2-C300-6
Rev	A

RESOURCE CONSENT

DATE: 2/7/25 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 2\215010-S2-C300.DWG



LEGEND	
AC	EX BDY
CB	PR BDY
CEA	AC PAVING
DC	BRUSHED CONCRETE
K&C	EXPOSED CONCRETE
K&N	KERB AND CHANNEL
WS	KERB AND NIB
	WHEEL STOP
	PR SWCP SINGLE
	PR STREET LIGHT
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	PR SW SWALE
	PR 2YR FLOOD LEVEL
	SUPER LOT BDY

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Survey	SURVEYWORX		02/2021
Design	RH, RLK		01/2025
Drawn	RH, RLK		01/2025
Checked	JP/LC		02/2025

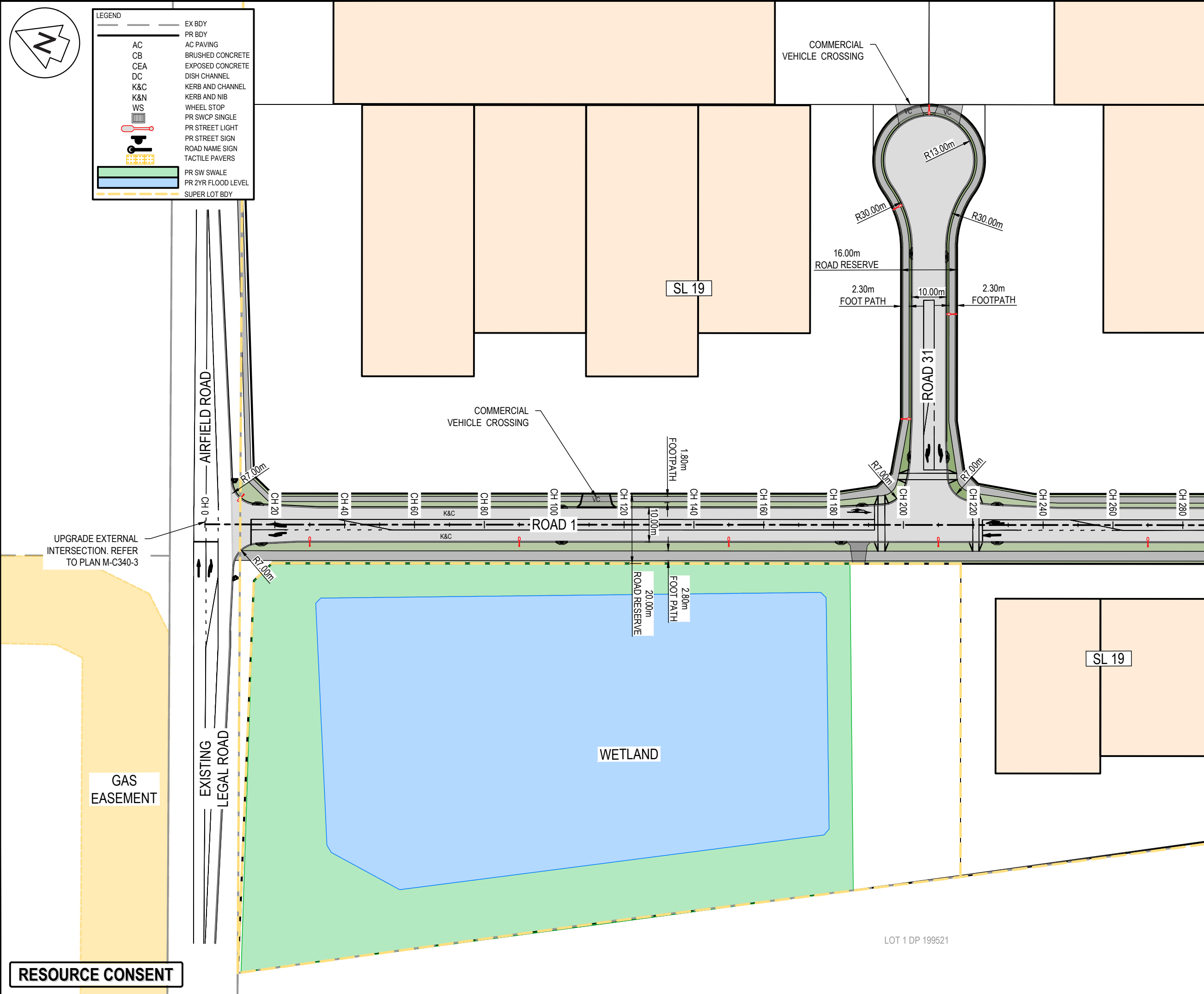


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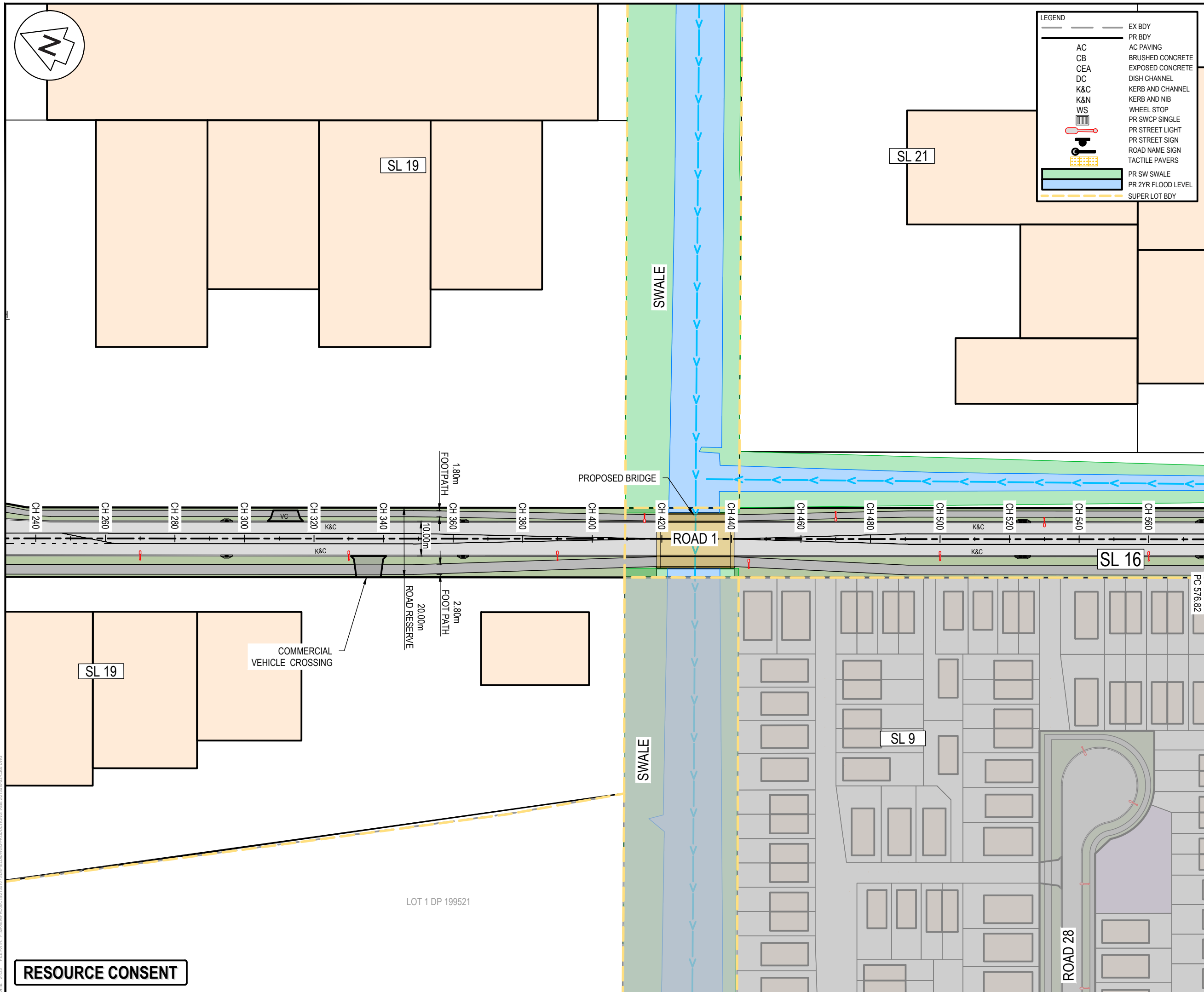
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOTS 16-21
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 7**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S2-C300.DWG
Drawing no.	S2-C300-7
Rev	A



RESOURCE CONSENT



LEGEND	
	EX BDY
	PR BDY
	AC PAVING
AC	BRUSHED CONCRETE
CB	EXPOSED CONCRETE
CEA	DISH CHANNEL
DC	KERB AND CHANNEL
K&C	KERB AND NIB
K&N	WHEEL STOP
WS	PR SWCP SINGLE
	PR STREET LIGHT
	PR STREET SIGN
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Title

**PROPOSED
ROADING
PLAN: SHEET 8**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S2-C300.DWG		
Drawing no.	S2-C300-8	Rev	A