











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.
 2. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS ARE LESS THAN 1%.
 3. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
 4. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
 5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL FROM UTILITY OPERATORS BEFORE COMMENCING WORK UNDER OR NEAR THEIR SERVICES.
 6. FINAL PAVEMENT DESIGN SUBJECT TO CBR/BEAM TESTS ON SUBGRADE MATERIAL.
 7. SETOUT SCHEDULE WITH COORDINATES OF CHAINAGE POINTS ALONG ROAD CENTRELINE TO BE SUPPLIED TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
 8. REFER TO LONG SECTION FOR FINISHED CENTRELINE LEVELS. REFER TO TYPICAL CROSS SECTIONS TO OBTAIN LEVELS FOR OTHER LOCATIONS.
 9. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.
 10. PRAM CROSSINGS ARE TO BE FLUSH TO THE CHANNEL WITH NO LIP.
 11. ALL KERB AND CHANNEL TO HAVE 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.
 13. ALL NEW, MODIFIED OR UPGRADED PRAM CROSSINGS MUST BE IN ACCORDANCE WITH RTS 14 GUIDELINES FOR FACILITIES FOR BLIND AND VISION-IMPAIRED PEDESTRIANS AND NZS/AS 1428.4 AND MUST COMPLY WITH THE DETAILS PROVIDED IN AT'S STANDARD PLAN NO.FP006.

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	
Survey	SURVEYWORX		02/2021	
Design	YC		11/2024	
Drawn	EZ		02/2025	
Checked	JP/LC		02/2025	

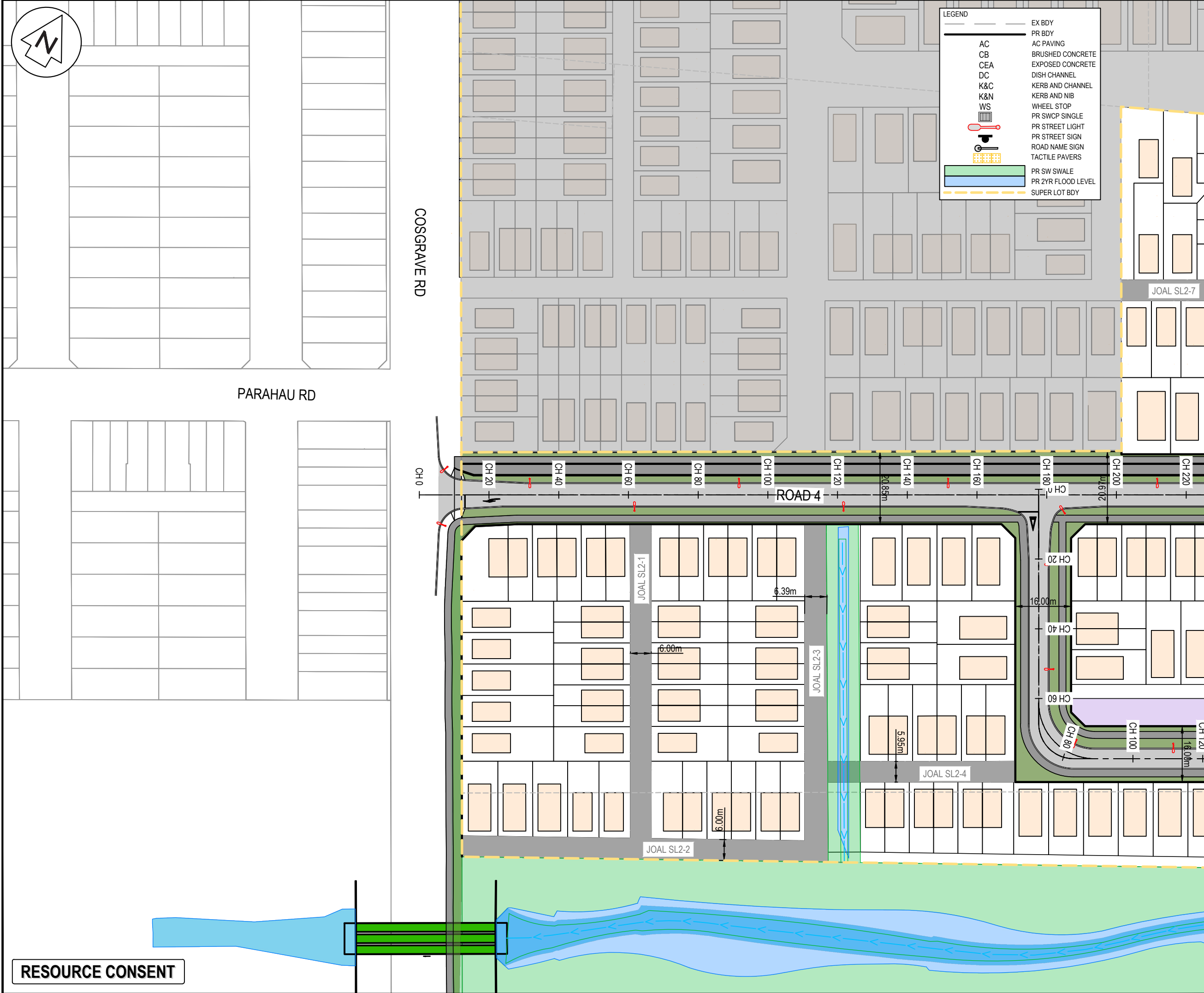
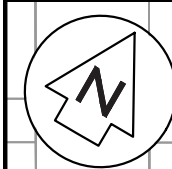


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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

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	



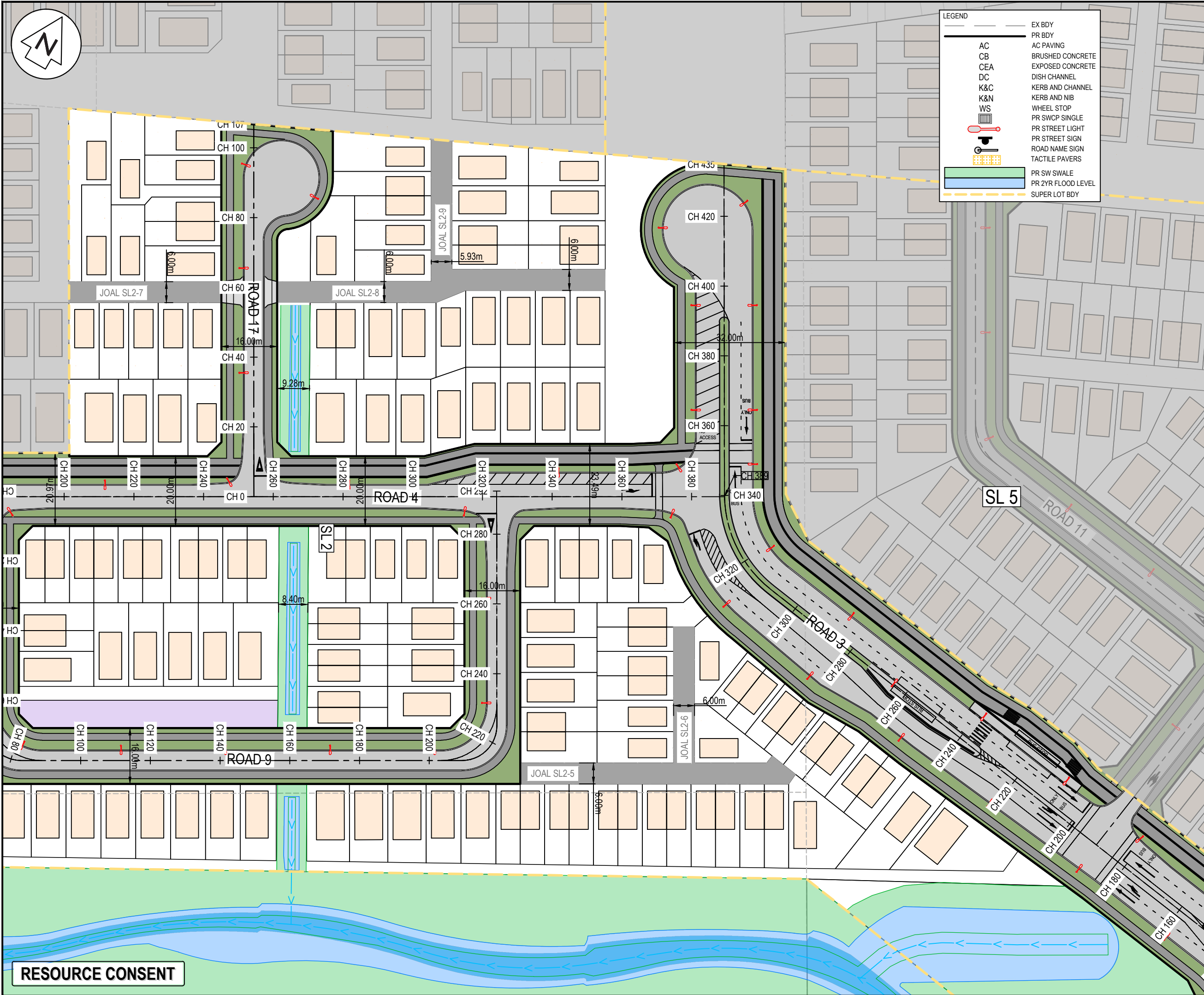
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Auckland 1023

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



- NOTES
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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**

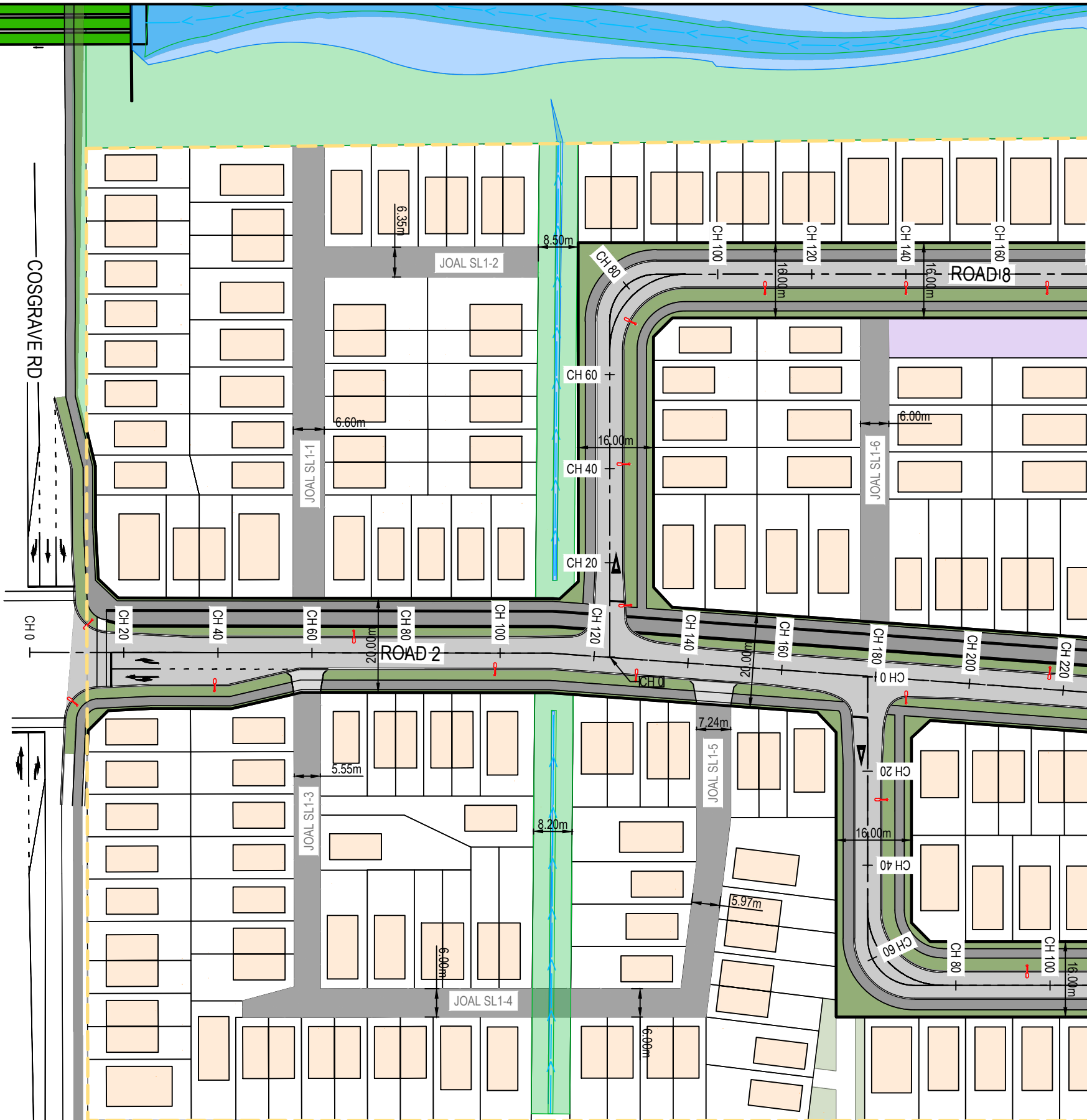
Title
**PROPOSED
ROADING
PLAN: SHEET 2**

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
—	PR 2YR FLOOD LEVEL
—	SUPER LOT BDY

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

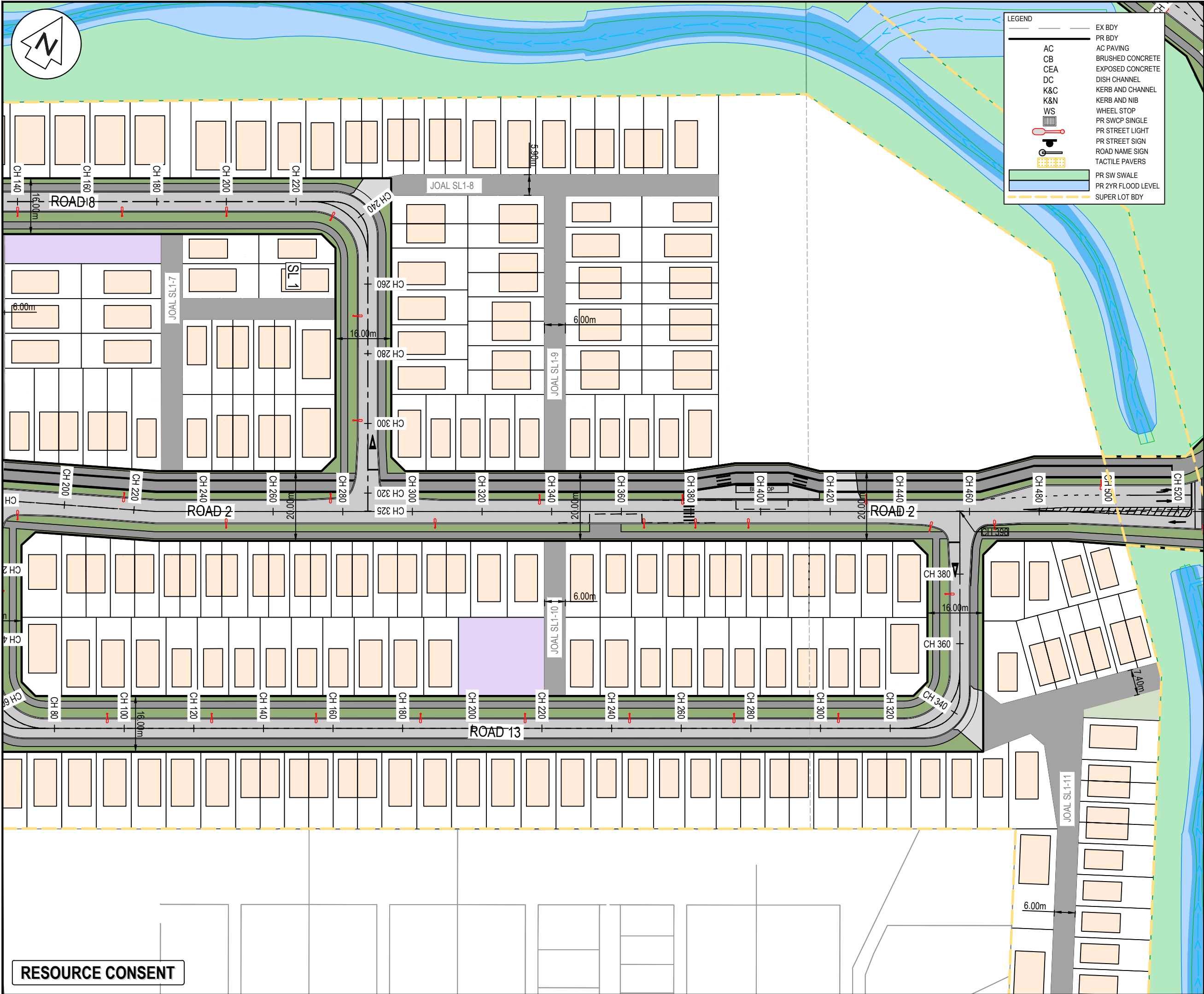
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 3**

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

RESOURCE CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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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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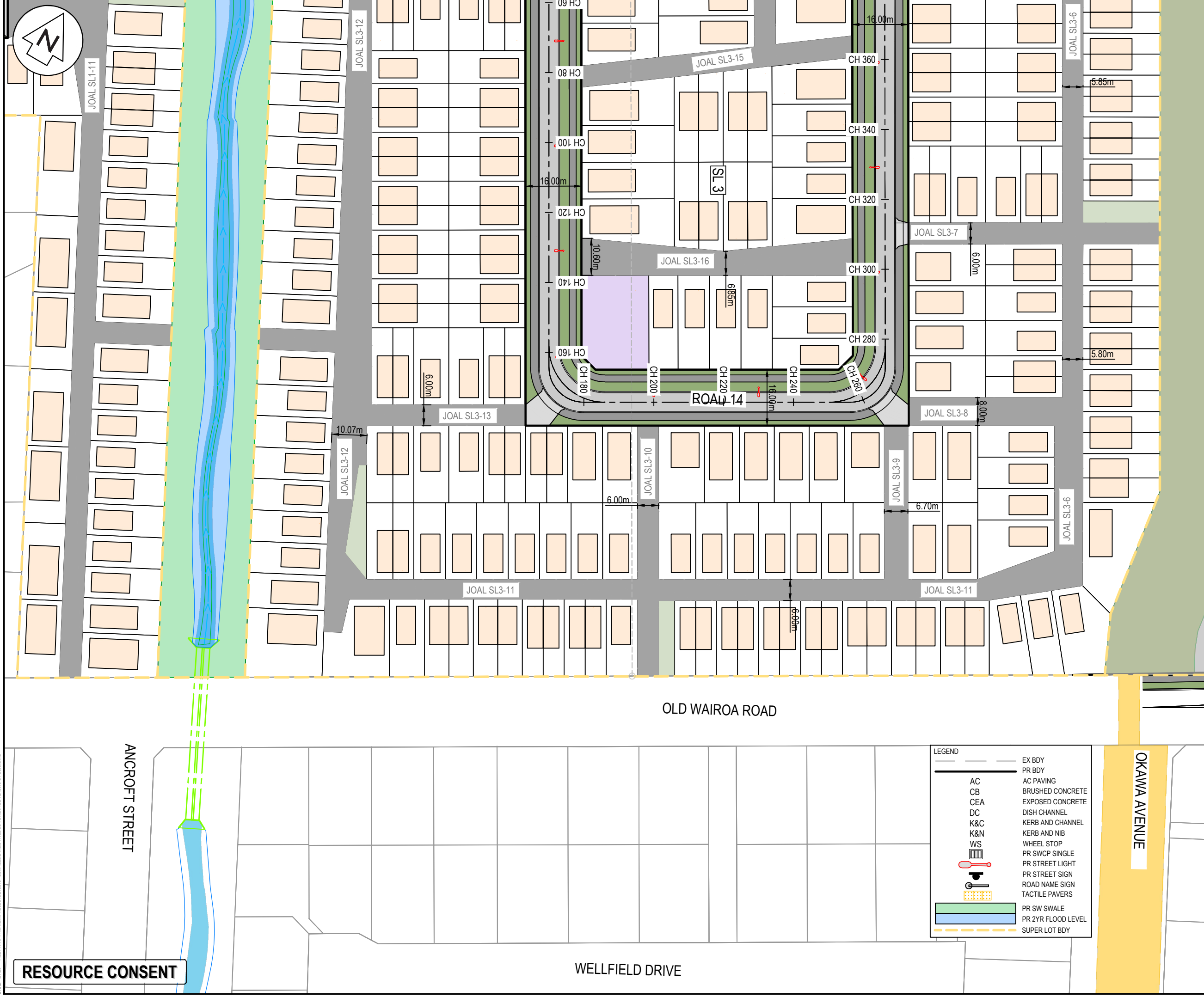
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

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

DATE: 27/05/2024 FILE PATH: F:\Maven\Projects\215010 - SUNFIELD\DWG3-PRODUCTIONS\STAGE 1\215010-S1-C300.DWG



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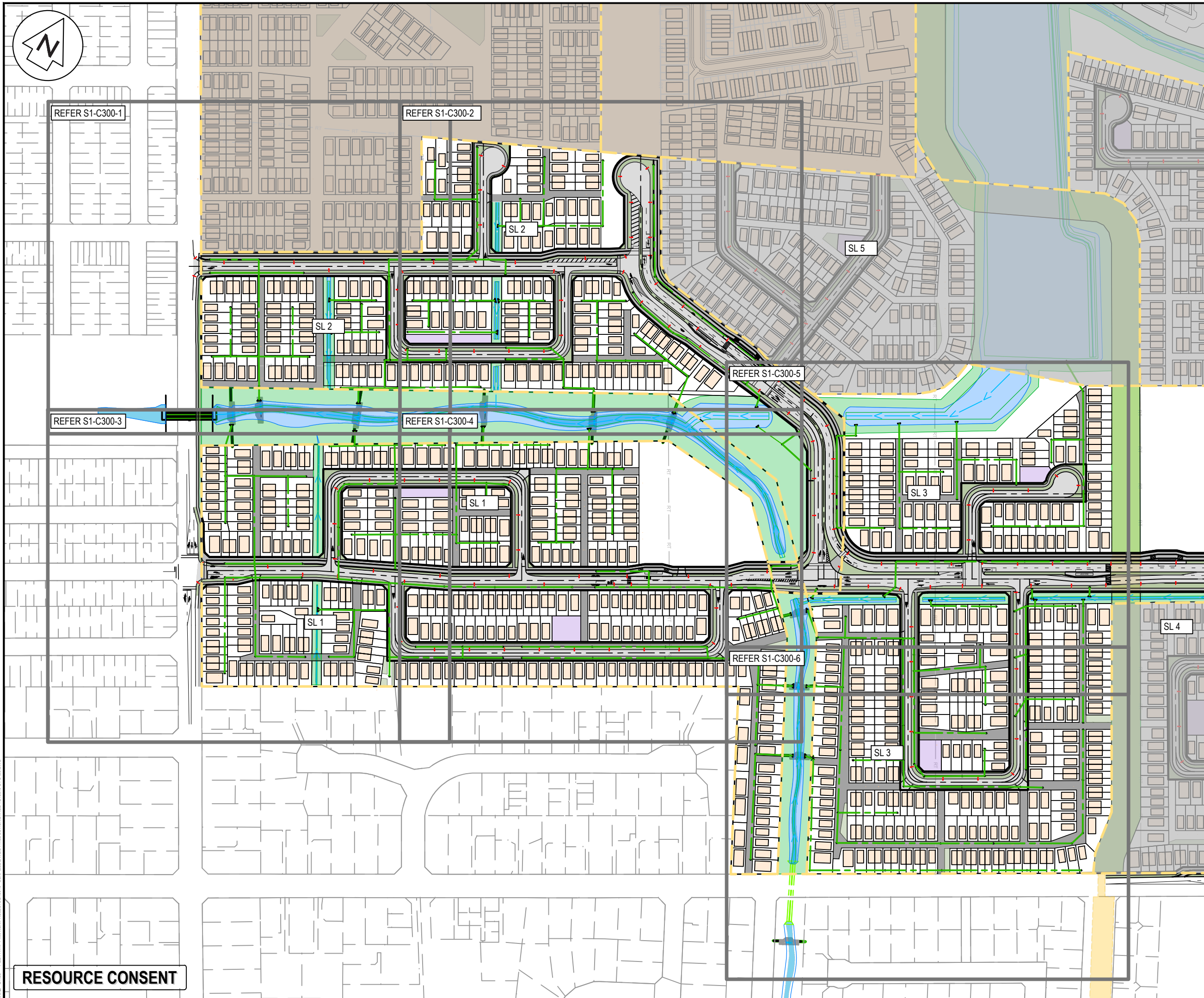
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD DEVELOPMENTS LIMITED

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



- 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 upPVC N116 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
	By	Date	
Survey	SURVEYWORK	02/2021	
Design	TY	11/2024	
Drawn	EZ	02/2025	
Checked	JP/ILC	02/2025	



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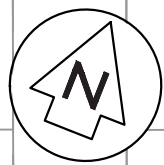
Project

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

Title	PROPOSED STORMWATER PLAN OVERVIEW
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Project no.	215010		
Scale	1:2500 @ A3		
Cad file	215010-S1-C400.DWG		
Drawing no.	S1-C400	Rev	A

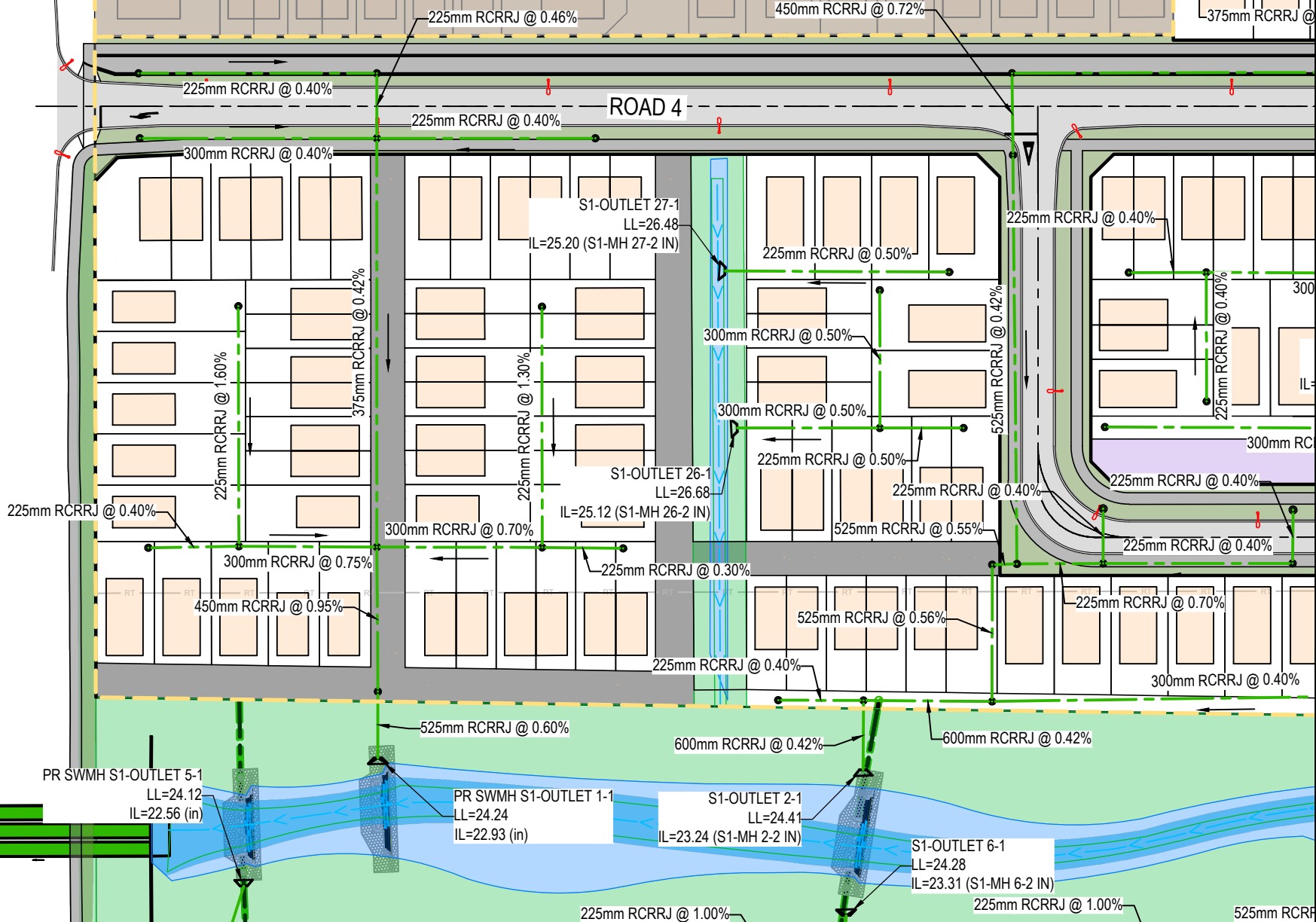
RESOURCE CONSENT



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.
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 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

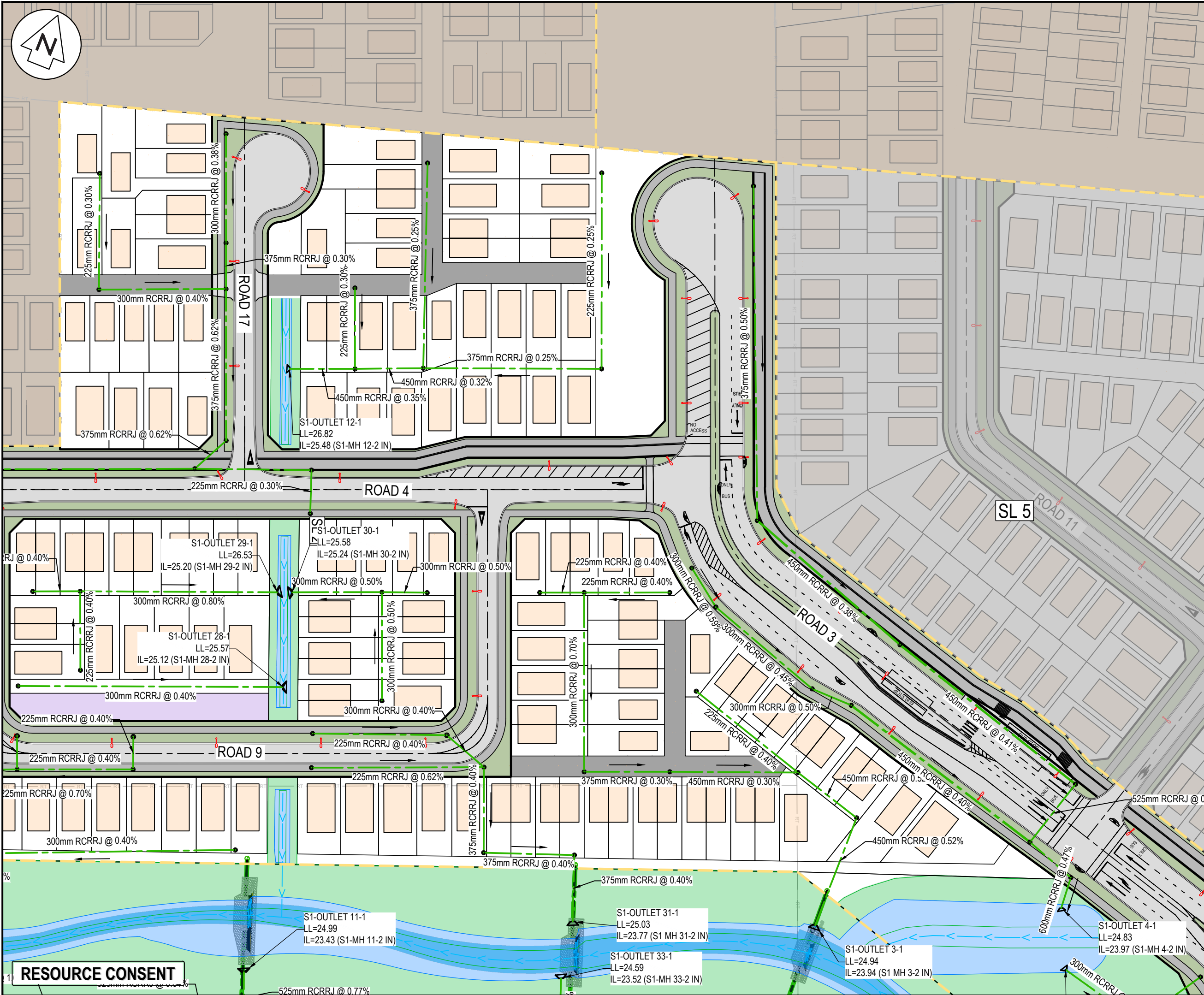


Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

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

- ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
- COORDINATES IN TERMS OF NZ GEODETIC DATUM MT EDEN 2000. LEVELS IN TERMS OF THE NEW ZEALAND VERTICAL DATUM 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).
- 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.
- APPROVED HARDFILL IS TO BE USED IN BACKFILLING OF ALL ROAD CROSSINGS AND VEHICLE CROSSINGS TO COUNCIL STANDARDS.
- HEAVY DUTY MANHOLE LIDS AND FRAMES TO BE USED IN TRAFFICKED AREAS.
- ALL MANHOLES ARE TO BE 1050mmØ PRECAST CONCRETE UNLESS SHOWN OTHERWISE.
- ALL CATCHPIT LEADS SHALL HAVE MIN COVER 1.0m.
- ALL LINES TO BE ABANDONED SHALL BE SEALED AT EACH END. TIMING OF ALL SEALING TO BE COORDINATED WITH COUNCIL STAFF.
- 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
	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 2**

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



MINHAS RD

TUMU RD

BELLBIRD ST

FARMLAND RD

COSGRAVE RD

ROAD 2

ROAD 8

RESOURCE CONSENT

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

LEGEND

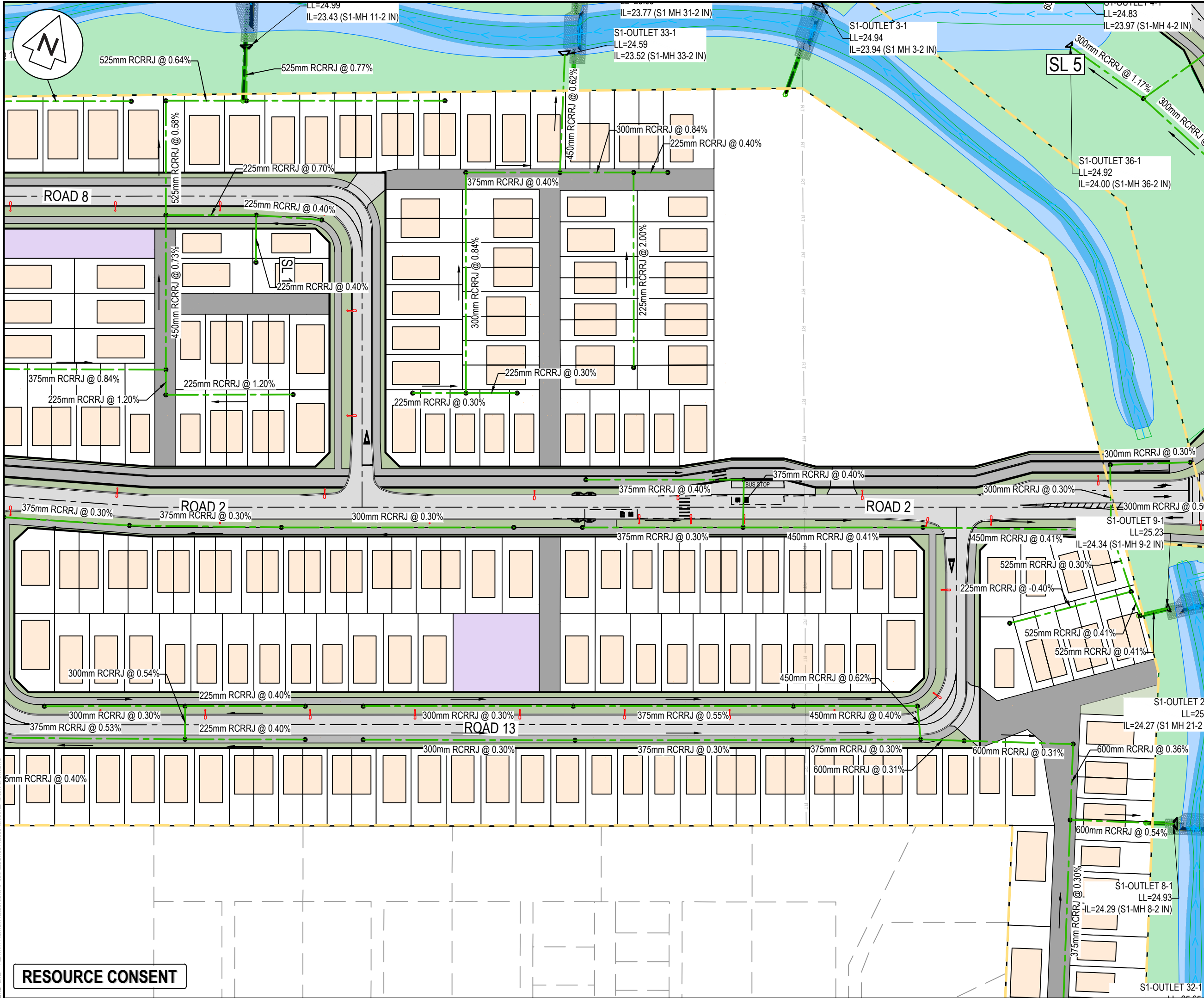
---	EX BDY
---	PR SUPERLOT BDY
---	PR BDY
---	EX STORMWATER
---	PR STORMWATER
---	EX/PR SWMH
---	PR SWCP SINGLE
---	PR SWCP RECESSED
---	PR SW RECHARGE PIT
---	PR SW SWALE
---	EX FIRST GAS EASEMENT

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



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



NOTES

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

SUNFIELD DEVELOPMENT

ARDMORE, AUCKLAND

SUPERLOT 1-3

FOR SUNFIELD DEVELOPMENTS LIMITED

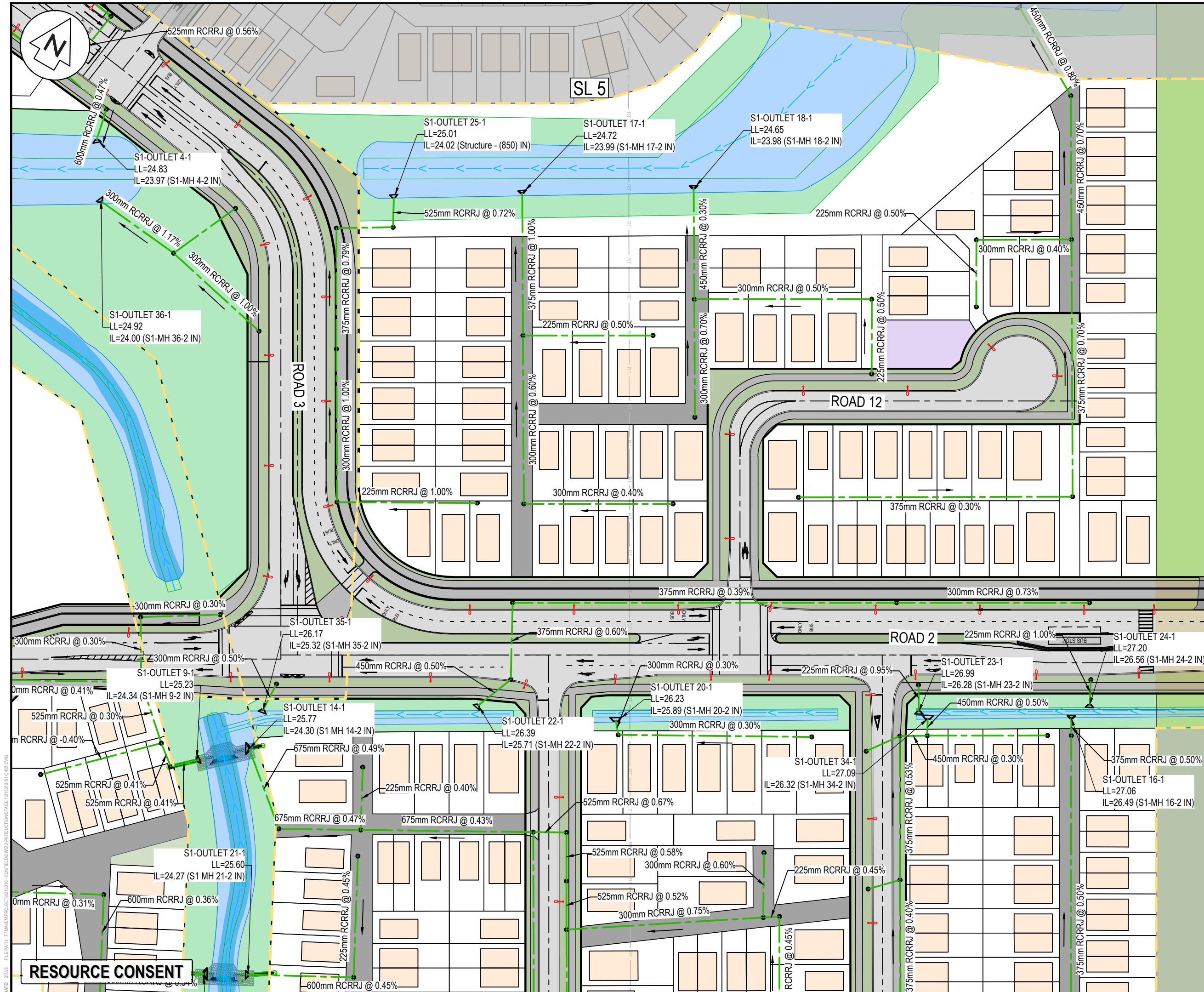
Title

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

RESOURCE CONSENT



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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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 SW/MH
---	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

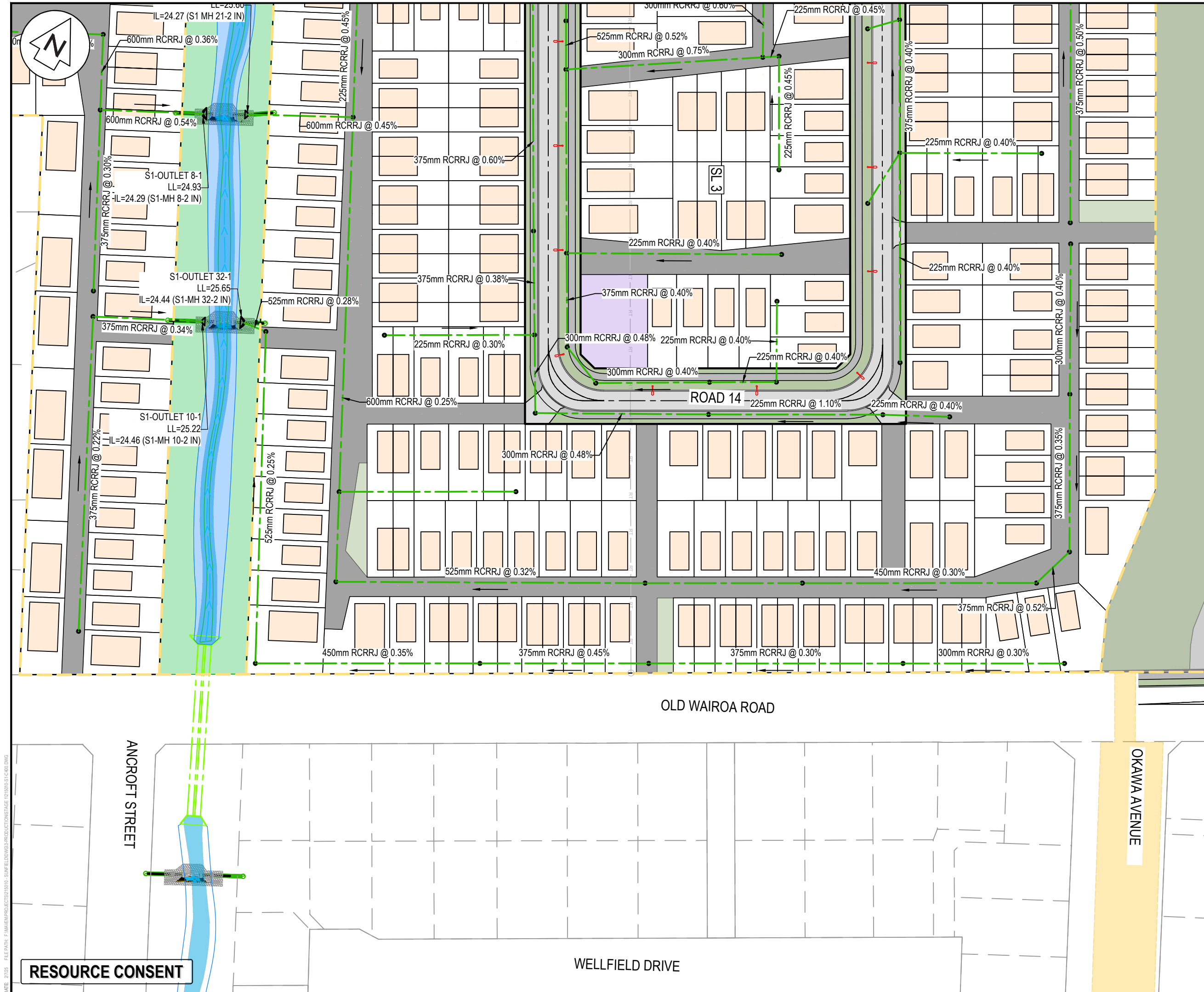
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
STORMWATER
PLAN: SHEET 5**

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

DATE: 27/02/25 FILE PATH: F:\Maven\Projects\215010 - SUNFIELD\DWG\PRODUCTION\STAGE 1\215010-S1-C400.DWG



NOTES

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- 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
		By	Date
Survey	SURVEYWORX		02/2021
Design	TY		11/2024
Drawn	EZ		02/2025
Checked	JP/LC		02/2025

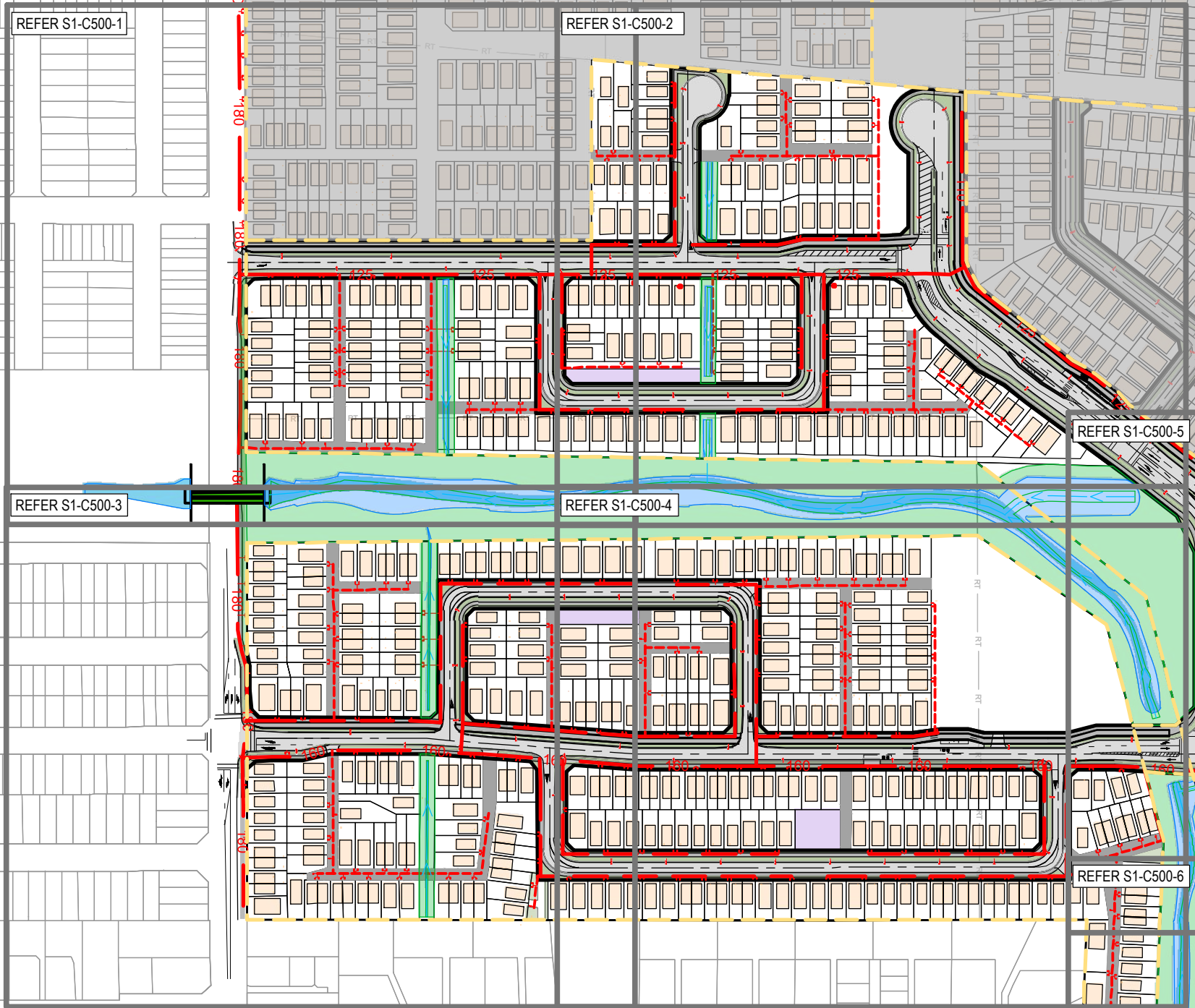
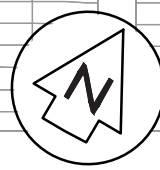
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

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



- 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.
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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

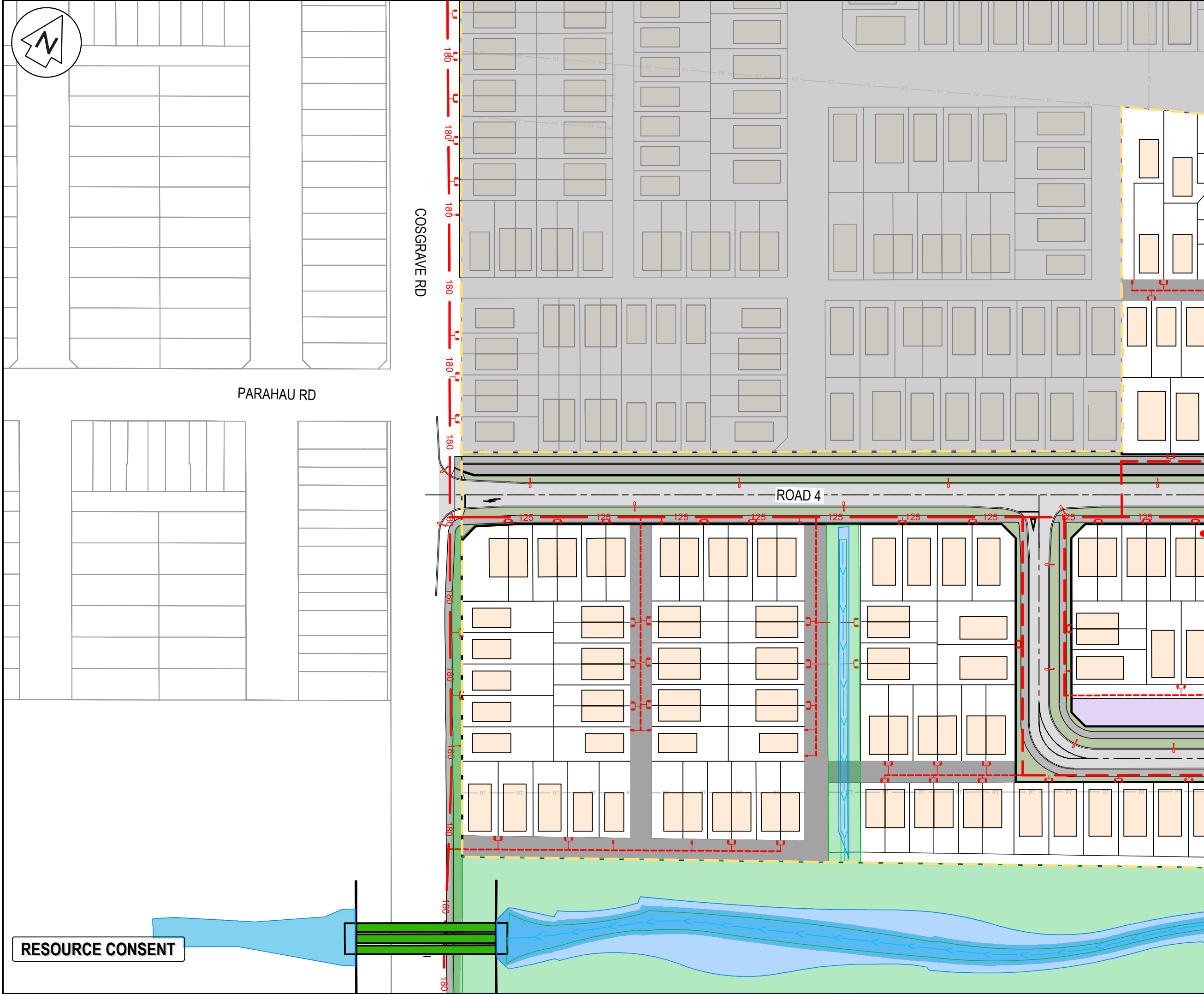
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WASTEWATER
PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S1-C500.DWG
Drawing no.	S1-C500-0
Rev	A

RESOURCE CONSENT



WASTEWATER NOTES

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LEGEND

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- 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

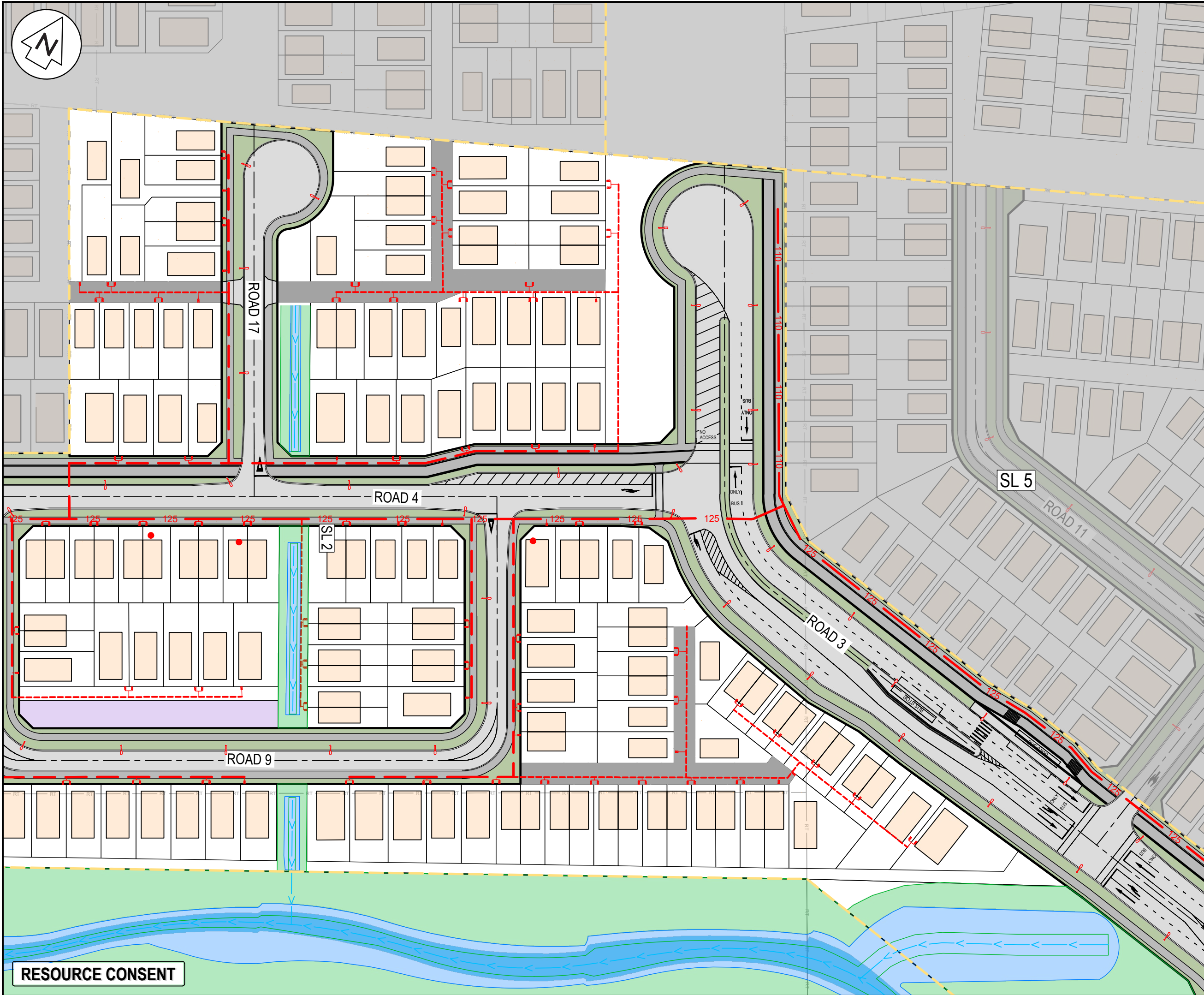
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

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



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
	By	Date	
Survey	SURVEYWORKX	02/2021	
Design	AS	11/2024	
Drawn	KNH	12/2024	
Checked	JP/LC	02/2025	

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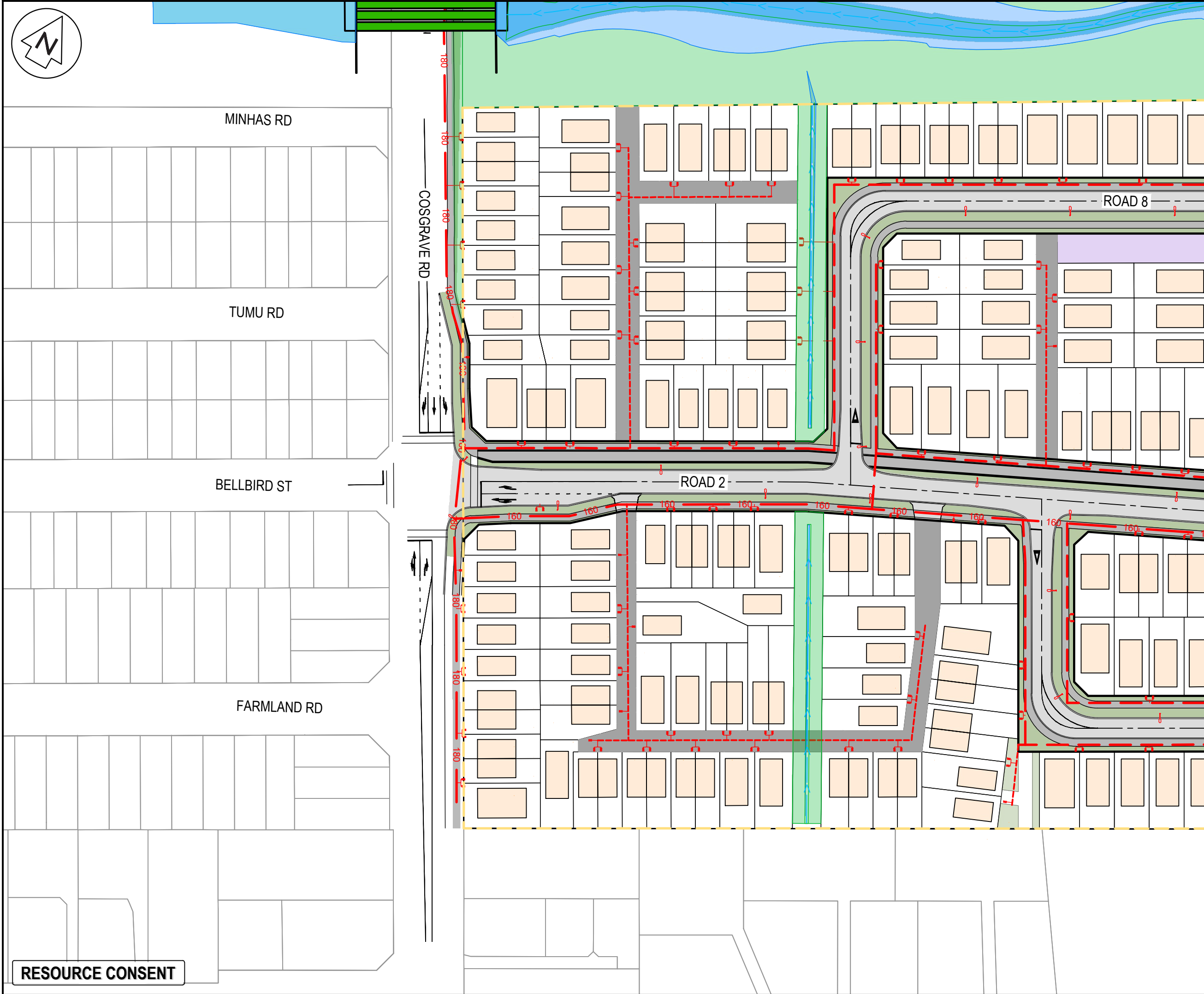
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

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

DATE: 2/25 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 1\215010-S1-C500.DWG

RESOURCE CONSENT



WASTEWATER NOTES

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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

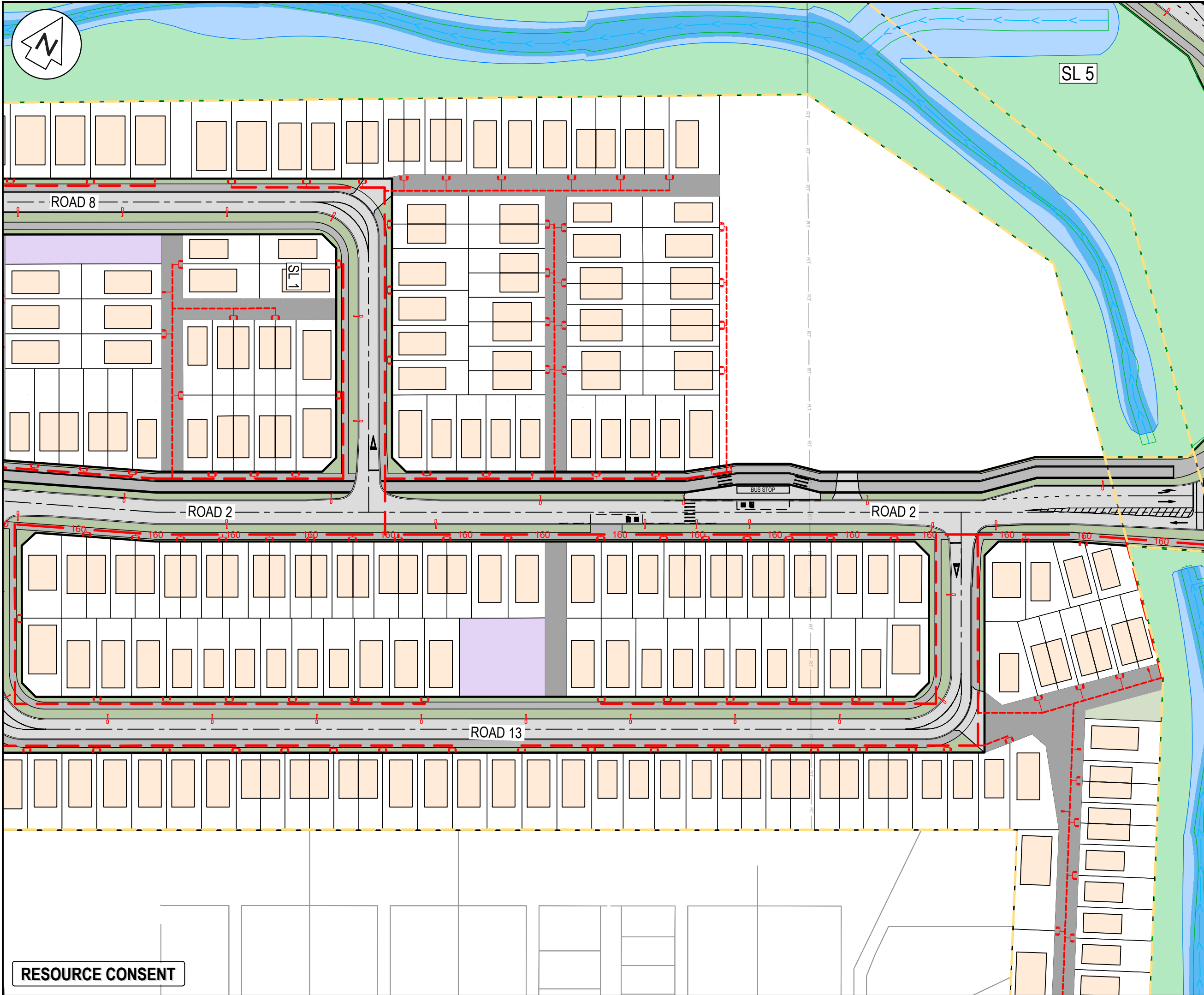
A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	AS	11/2024
	Drawn	KNH	12/2024
	Checked	JP/LC	02/2025

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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



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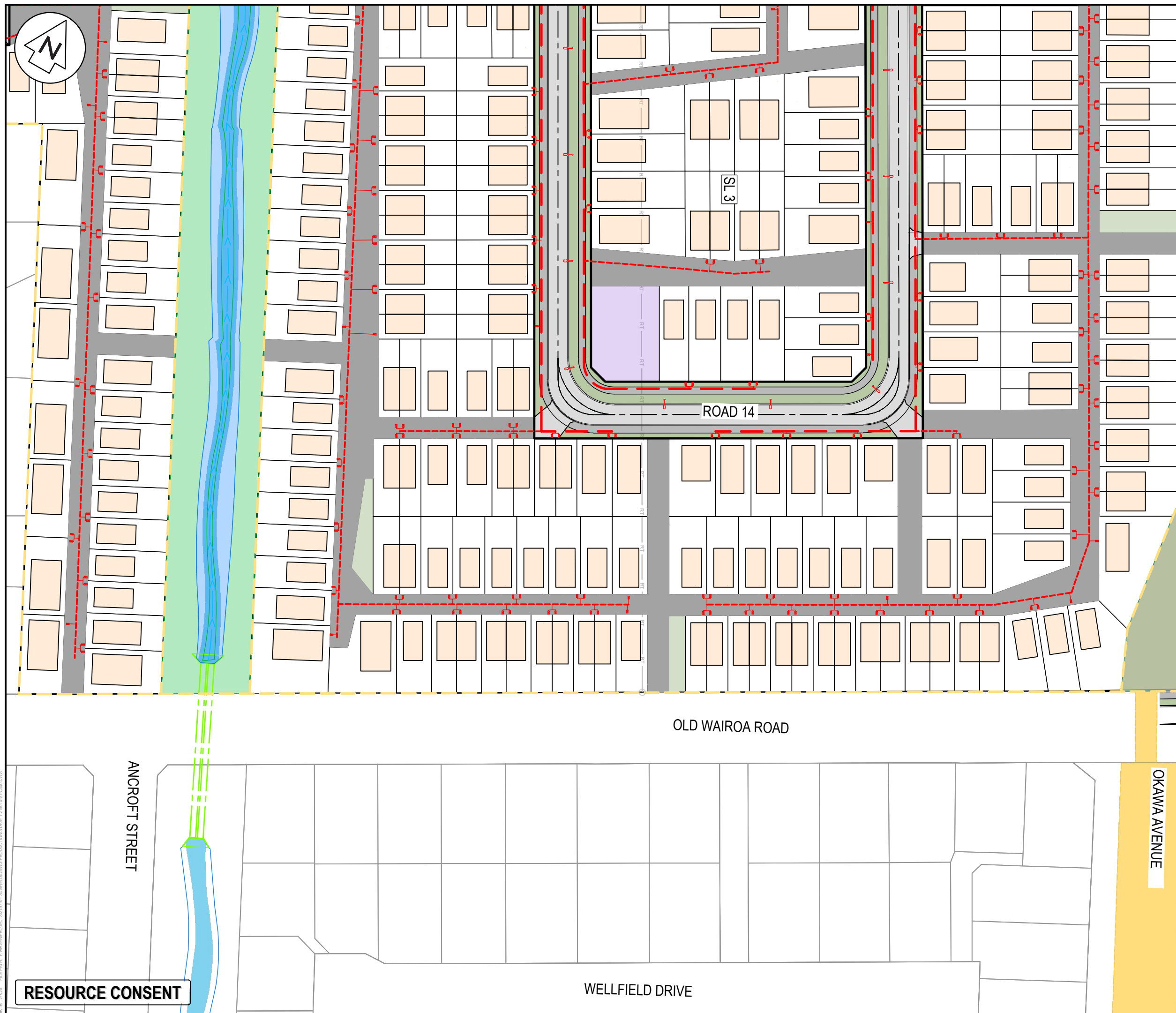
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

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



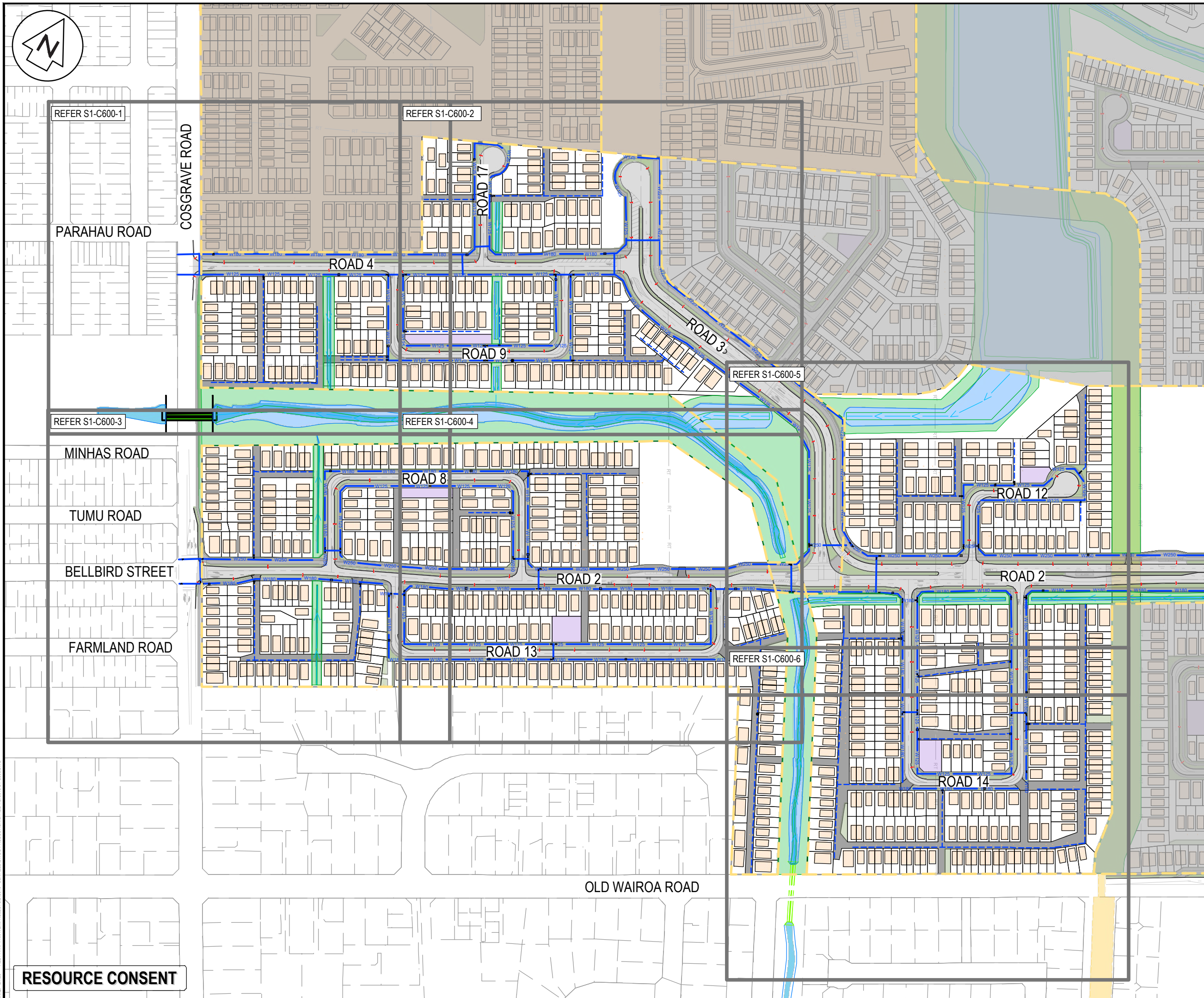
WASTEWATER NOTES

LEGEND

A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	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**

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



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
 3. MINIMUM COVER SHALL BE:
ROADS AND FRONT 1M OF BERM: 900mm
BERMS 600mm
SERVICE CONNECTIONS: 450mm
 4. WATERMANS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
 5. ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
 6. ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
 7. ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
 8. PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
 9. METAL DETECTOR TAPE PRINTED WITH WATER PIPE BELOW SHALL BE LAID 150mm ABOVE ALL WATERMANS.
 10. A YELLOW ISOCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
 11. ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
 12. 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
	By	Date	
Survey	SURVEYWORK	02/2021	
Design	AS	02/2025	
Drawn	EZ	11/2024	
Checked	JP/LC	02/2025	

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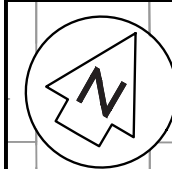
Project

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

Title

**PROPOSED
WATER SUPPLY
OVERVIEW**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S1-C600.DWG		
Drawing no.	S1-C600-0	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
- 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	SURVEYWORKX		02/2021
Design	AS		02/2025
Drawn	EZ		11/2024
Checked	JP/LC		02/2025

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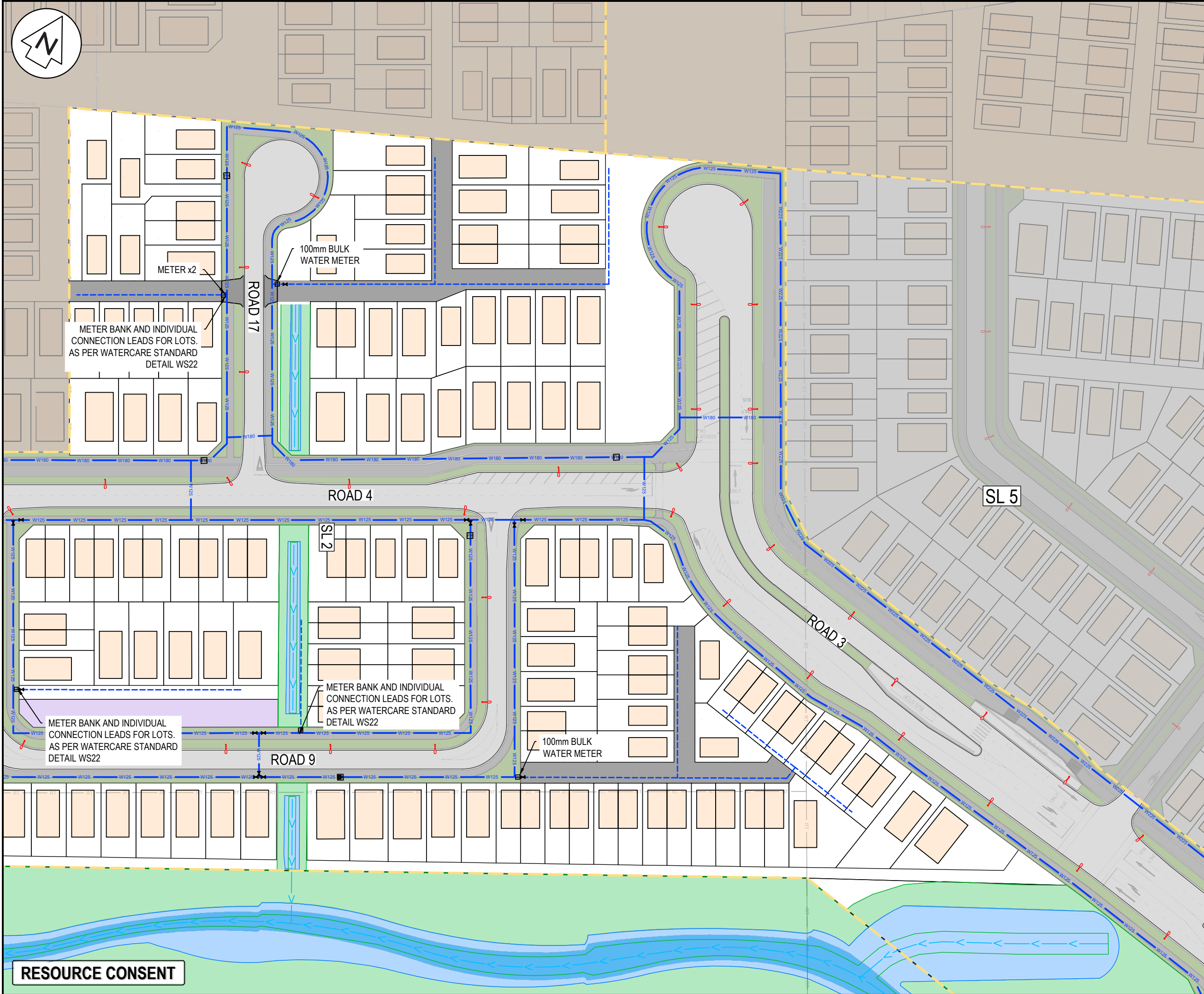
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

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

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

RESOURCE CONSENT



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
3. MINIMUM COVER SHALL BE:
ROADS AND FRONT1M OF BERM: 900mm
BERMS 600mm
SERVICE CONNECTIONS: 450mm
4. WATERMAINS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
5. ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
6. ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
7. ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
8. PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
9. METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150mm ABOVE ALL WATERMAINS.
10. A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
11. ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
12. 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

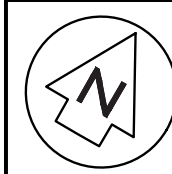
A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	AS	02/2025
	Drawn	EZ	11/2024
	Checked	JP/LC	02/2025

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

Title
**PROPOSED
WATER SUPPLY
PLAN: SHEET 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
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
 3. MINIMUM COVER SHALL BE:
ROADS AND FRONT1M OF BERM: 900mm
BERMS 600mm
SERVICE CONNECTIONS: 450mm
 4. WATERMAINS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
 5. ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
 6. ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
 7. ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
 8. PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
 9. METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150mm ABOVE ALL WATERMAINS.
 10. A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
 11. ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
 12. 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

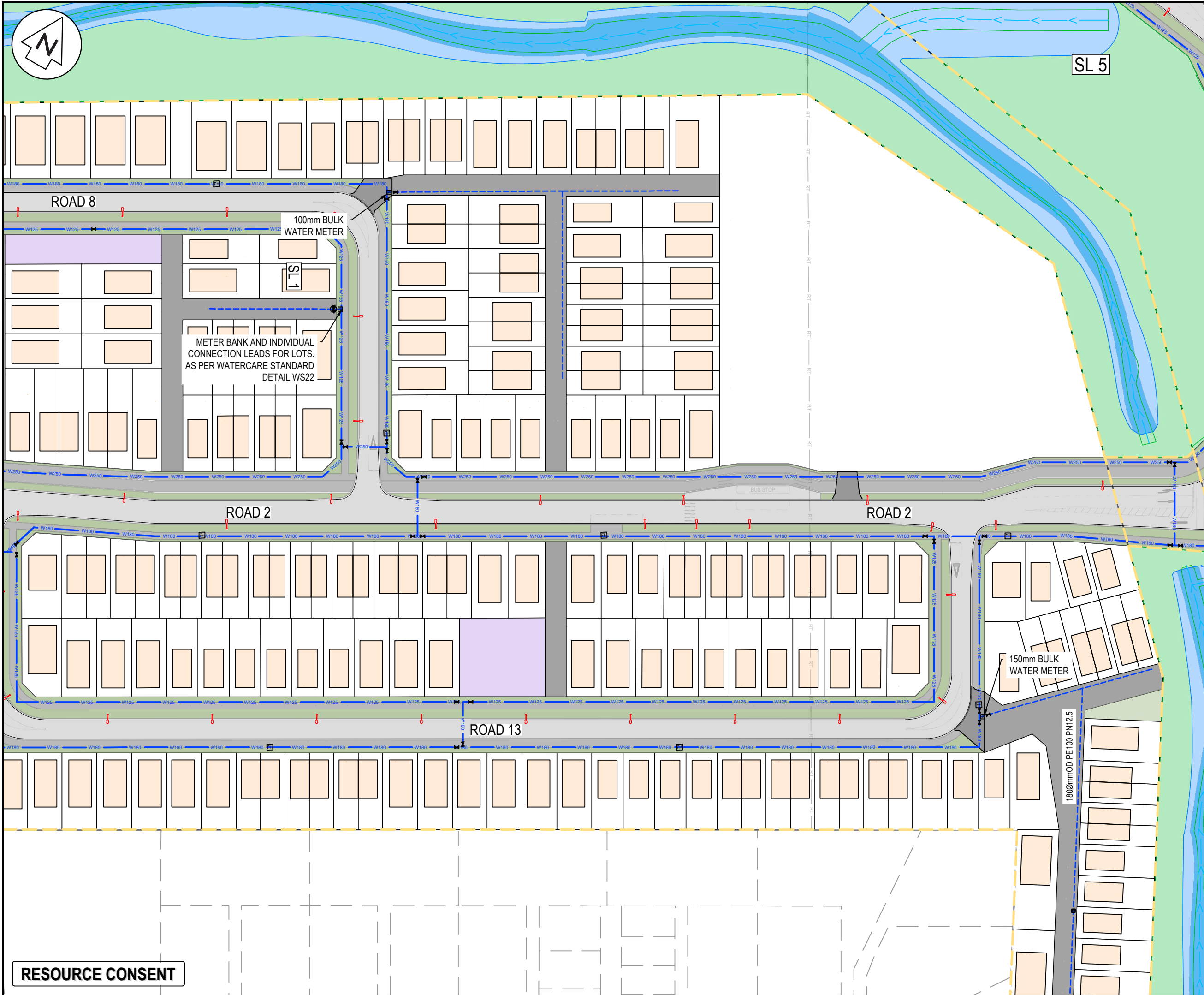


Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

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

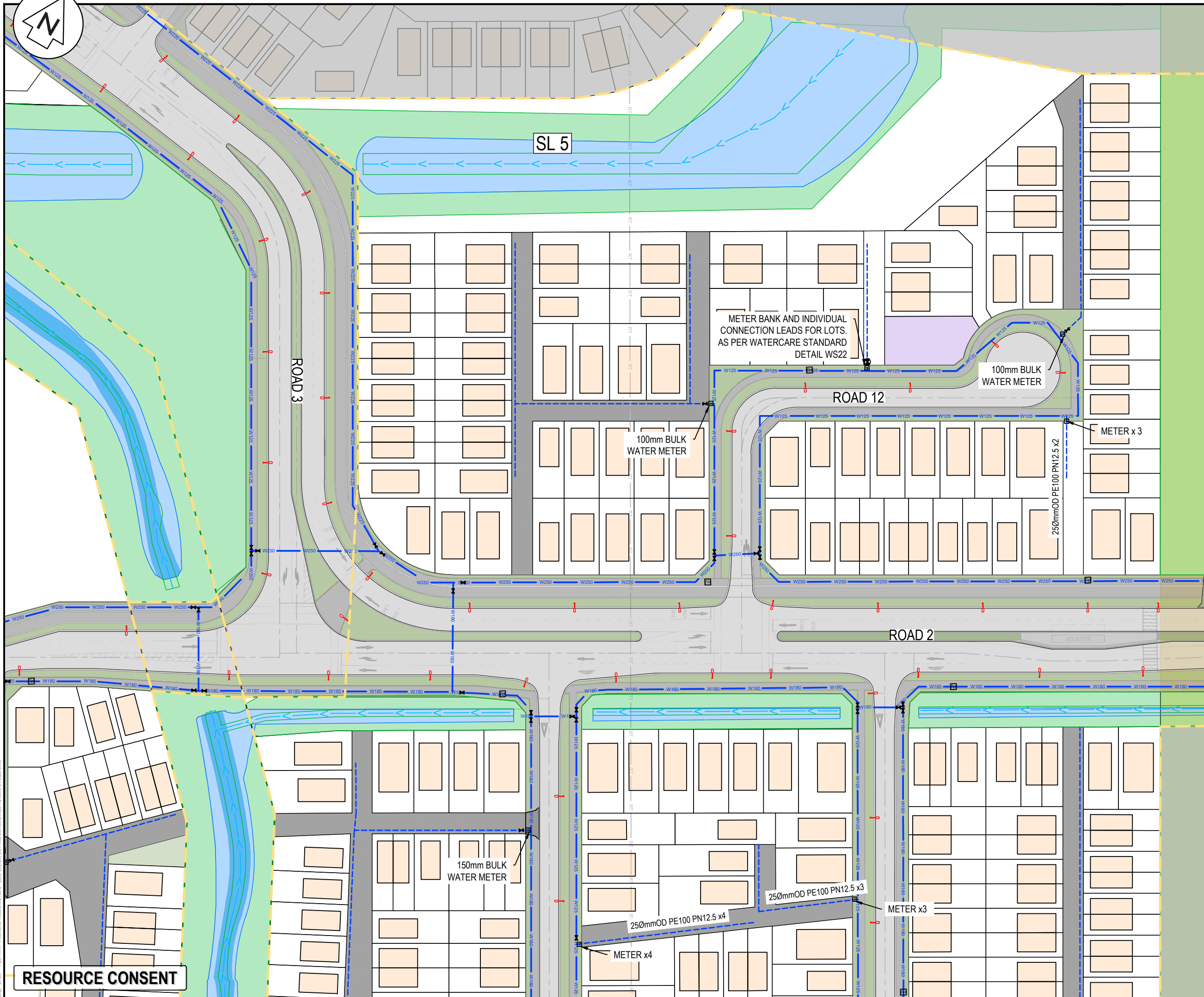
A	RESOURCE CONSENT	EZ	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	AS	02/2025
	Drawn	EZ	11/2024
	Checked	JP/LC	02/2025

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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



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
 3. MINIMUM COVER SHALL BE:
ROADS AND FRONT 1M OF BERM: 900mm
BERMS: 600mm
SERVICE CONNECTIONS: 450mm
 4. WATERMAINS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
 5. ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGOT AND SOCKET RUBBER RING JOINTS.
 6. ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
 7. ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
 8. PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
 9. METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150mm ABOVE ALL WATERMAINS.
 10. A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
 11. ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
 12. 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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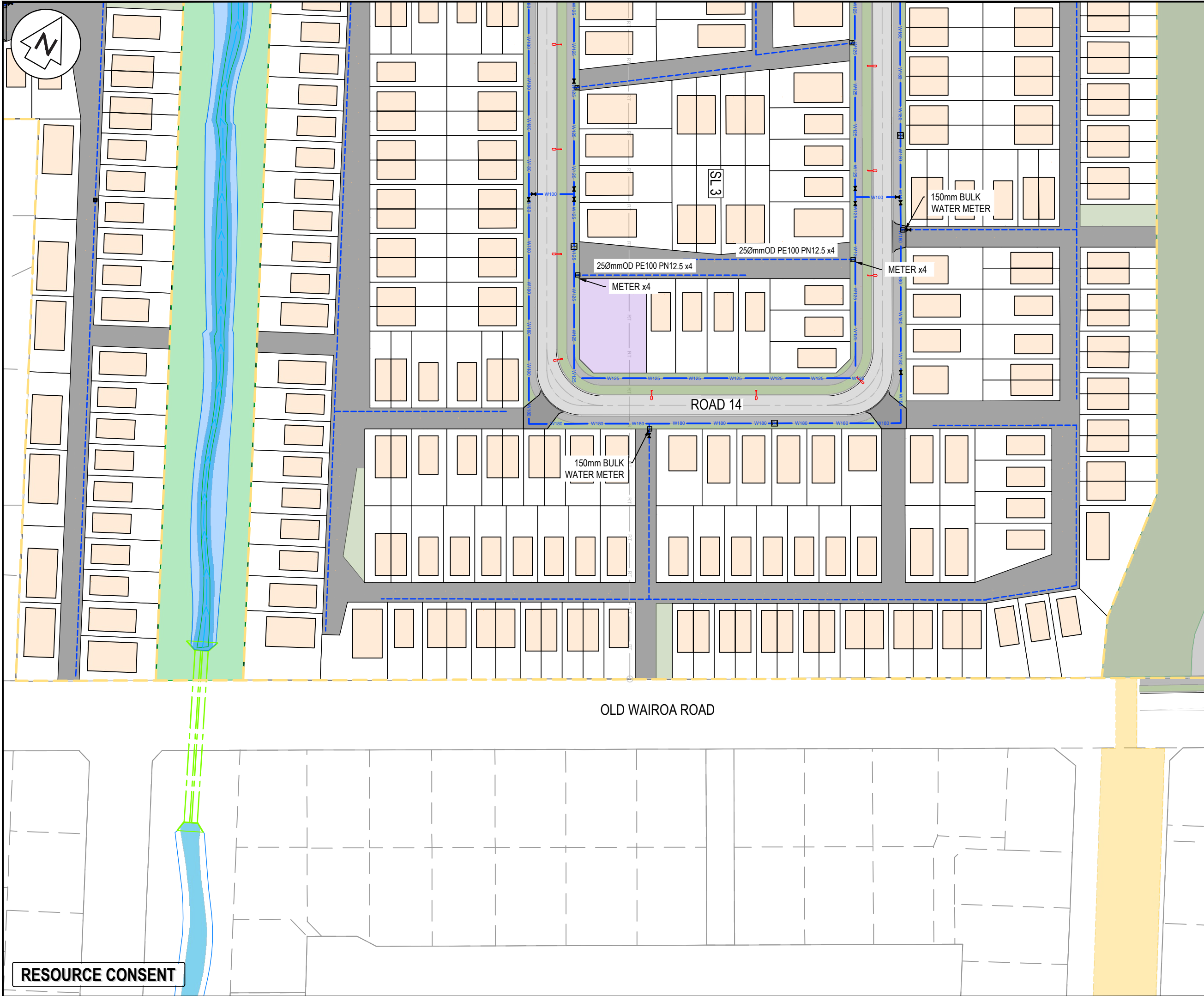
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 1-3
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
WATER SUPPLY
PLAN: SHEET 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

RESOURCE CONSENT



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
 2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
 3. MINIMUM COVER SHALL BE:
ROADS AND FRONT1M OF BERM: 900mm
BERMS 600mm
SERVICE CONNECTIONS: 450mm
 4. WATERMAINS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEDMENT MATERIAL.
 5. ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
 6. ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
 7. ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
 8. PIPES SHALL BE BEDDED AND SURROUNDED TO 150mm ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
 9. METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150mm ABOVE ALL WATERMAINS.
 10. A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
 11. ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
 12. 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



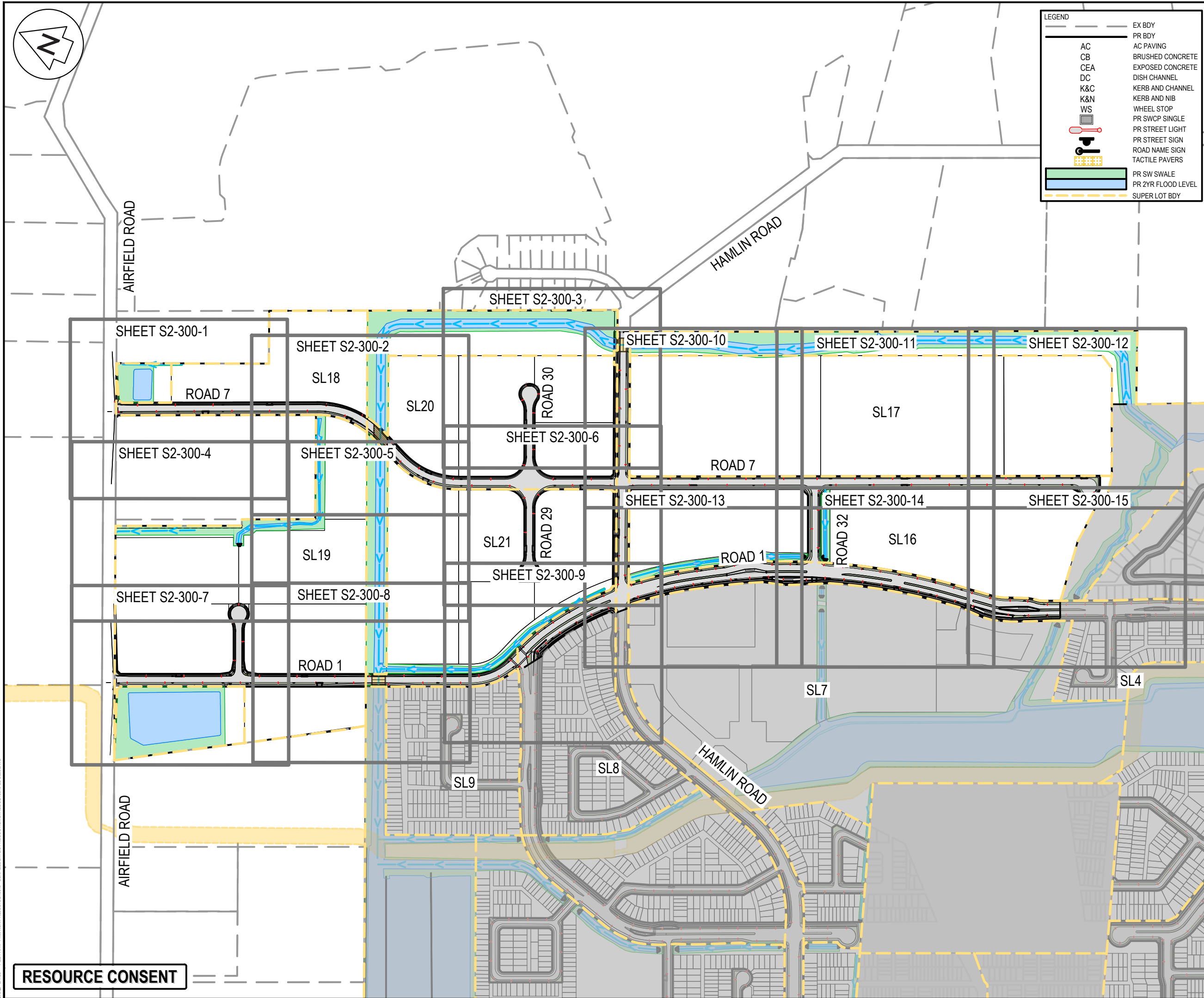
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5 Owens Road, Epsom
Auckland 1023

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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2. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS ARE LESS THAN 1%.

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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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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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Project

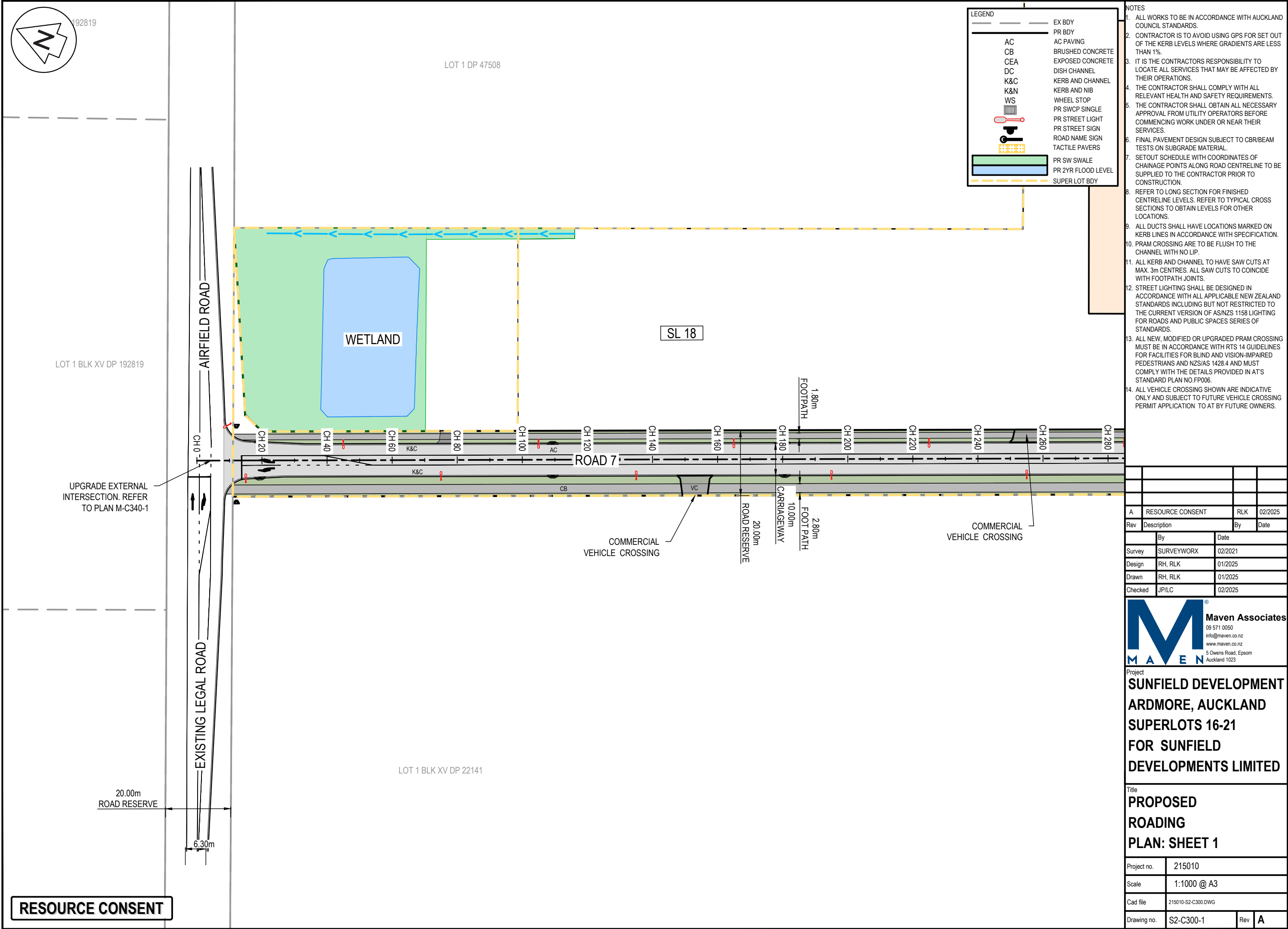
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOTS 16-21
FOR SUNFIELD
DEVELOPMENTS LIMITED

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	
	EX BDY
	PR BDY
	AC PAVING
	BRUSHED CONCRETE
	EXPOSED CONCRETE
	DISH CHANNEL
	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

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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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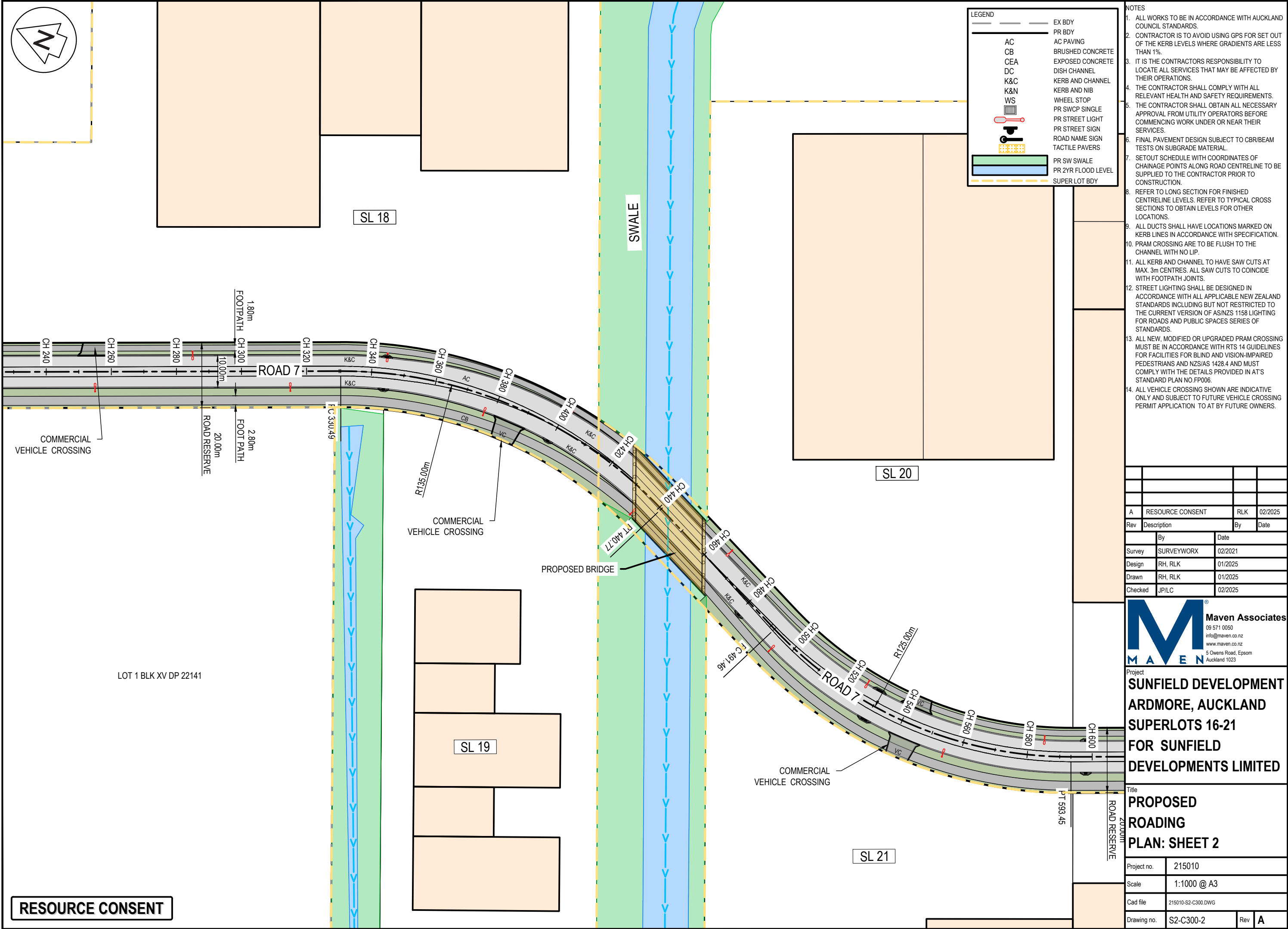
Project

**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



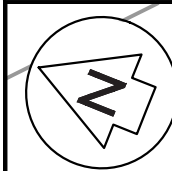
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A	RESOURCE CONSENT	RLK	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	RH, RLK	01/2025	
Drawn	RH, RLK	01/2025	
Checked	JP/LC	02/2025	

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

Title PROPOSED ROADING PLAN: SHEET 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
	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

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 1480

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

Road 7
CH 854.29
0.00m
E: 417674.221
N: 782542.337

Road 7
CH 706.58

- NOTES
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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

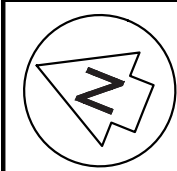
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Auckland 1023

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

RESOURCE CONSENT



20.00m
ROAD RESERVE

6.30m

EXISTING LEGAL ROAD

LOT 1 BLK XV DP 22141

LOT 5 BLK XV DP 20982

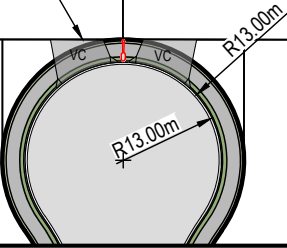
AIRFIELD ROAD

SWALE

SWALE

SL 19

COMMERCIAL
VEHICLE CROSSING



LEGEND	
---	EX BDY
---	PR BDY
---	AC PAVING
---	BRUSHED CONCRETE
---	EXPOSED CONCRETE
---	DISH CHANNEL
---	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

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



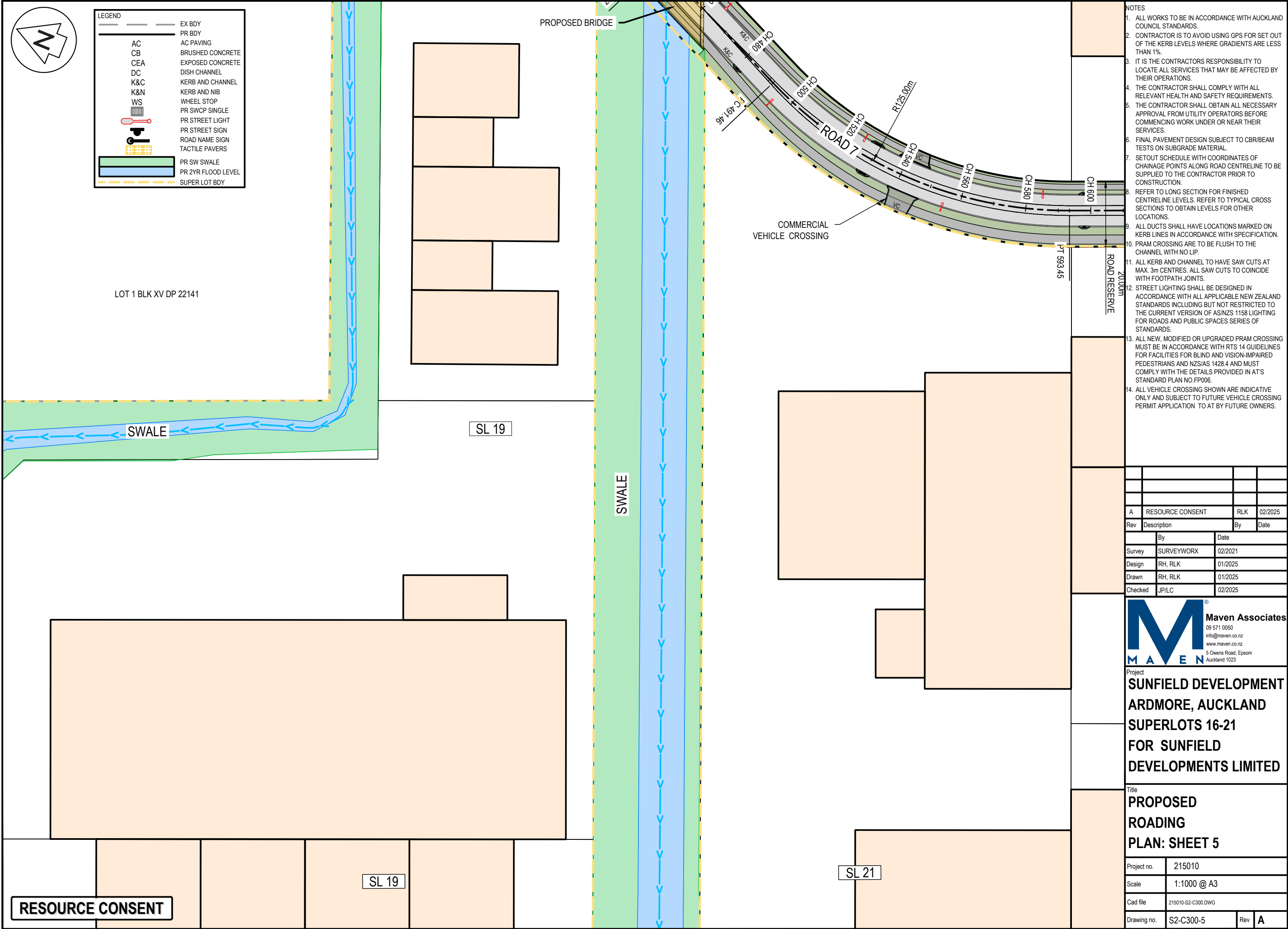
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Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOTS 16-21
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 4**

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

RESOURCE CONSENT



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

M

MAVEN

Maven Associates

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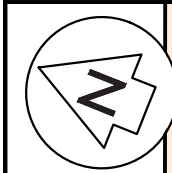
www.maven.co.nz

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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

LEGEND	
AC	PR BDY
CB	AC PAVING
CEA	BRUSHED CONCRETE
DC	EXPOSED CONCRETE
K&C	DISH CHANNEL
K&N	KERB AND CHANNEL
WS	KERB AND NIB
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		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**

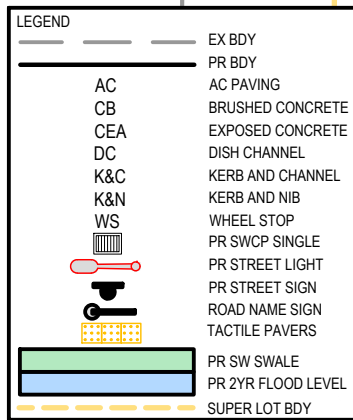
Title
**PROPOSED
ROADING
PLAN: SHEET 6**

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

RESOURCE CONSENT

SL 21

SL 16



1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
2. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS ARE LESS THAN 1%.
3. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL SERVICES THAT MAY BE AFFECTED BY THEIR OPERATIONS.
4. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL FROM UTILITY OPERATORS BEFORE COMMENCING WORK UNDER OR NEAR THEIR SERVICES.
6. FINAL PAVEMENT DESIGN SUBJECT TO CBR/BEAM TESTS ON SUBGRADE MATERIAL.
7. SETOUT SCHEDULE WITH COORDINATES OF CHAINAGE POINTS ALONG ROAD CENTRELINER TO BE SUPPLIED TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
8. REFER TO LONG SECTION FOR FINISHED CENTRELINER LEVELS. REFER TO TYPICAL CROSS SECTIONS TO OBTAIN LEVELS FOR OTHER LOCATIONS.
9. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.
10. PRAM CROSSING 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.
13. ALL NEW, MODIFIED OR UPGRADED PRAM CROSSING MUST BE IN ACCORDANCE WITH RTS 14 GUIDELINES FOR FACILITIES FOR BLIND AND VISION-IMPAIRED PEDESTRIANS AND NZS/AS 1428.4 AND MUST COMPLY WITH THE DETAILS PROVIDED IN AT'S STANDARD PLAN NO. FP006.
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	



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

SL 19

COMMERCIAL
VEHICLE CROSSING

UPGRADE EXTERNAL
INTERSECTION. REFER
TO PLAN M-C340-3

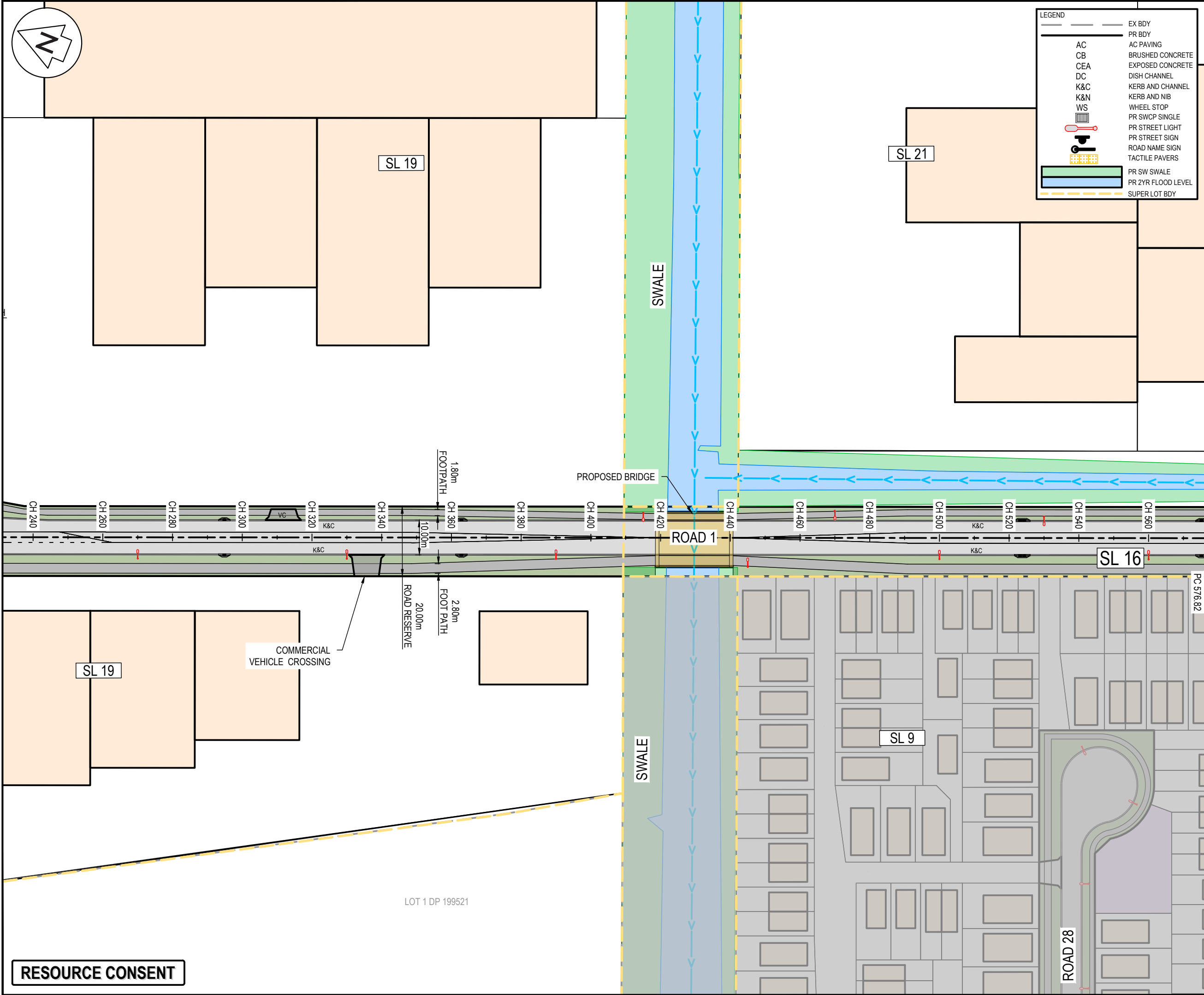
GAS EASEMENT

WETLAND

SL 19

LOT 1 DP 199521

RESOURCE CONSENT



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
2. CONTRACTOR IS TO AVOID USING GPS FOR SET OUT OF THE KERB LEVELS WHERE GRADIENTS ARE LESS THAN 1%.
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4. THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT HEALTH AND SAFETY REQUIREMENTS.
5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY APPROVAL FROM UTILITY OPERATORS BEFORE COMMENCING WORK UNDER OR NEAR THEIR SERVICES.
6. FINAL PAVEMENT DESIGN SUBJECT TO CBR/BEAM TESTS ON SUBGRADE MATERIAL.
7. SETOUT SCHEDULE WITH COORDINATES OF CHAINAGE POINTS ALONG ROAD CENTRELINE TO BE SUPPLIED TO THE CONTRACTOR PRIOR TO CONSTRUCTION.
8. REFER TO LONG SECTION FOR FINISHED CENTRELINE LEVELS. REFER TO TYPICAL CROSS SECTIONS TO OBTAIN LEVELS FOR OTHER LOCATIONS.
9. ALL DUCTS SHALL HAVE LOCATIONS MARKED ON KERB LINES IN ACCORDANCE WITH SPECIFICATION.
10. PRAM CROSSING 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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14. ALL VEHICLE CROSSING SHOWN ARE INDICATIVE ONLY AND SUBJECT TO FUTURE VEHICLE CROSSING PERMIT APPLICATION TO AT BY FUTURE OWNERS.

Rev	Description	By	Date
A	RESOURCE CONSENT	RLK	02/2025

PC 57682

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 8**

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