

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

SUPER LOT BDY

A	RESOURCE CONSENT	TL	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	OQ	02/2025	
Drawn	VB	02/2025	
Checked	JP/LC	02/2025	

M

MAVEN

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5 Owens Road, Epsom

Auckland 1023

Project

SUNFIELD DEVELOPMENT

ARDMORE, AUCKLAND

SUPERLOT 10 & 11

FOR SUNFIELD

DEVELOPMENTS LIMITED

Title

PROPOSED

STORMWATER

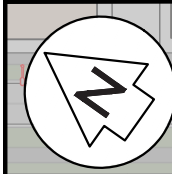
PLAN OVERVIEW

Project no.	215010
Scale	1:2500 @ A3
Cad file	215010-S6-C400.DWG
Drawing no.	S6-C400
Rev	A

DATE: 27/25

FILE PATH: \\MAVEN\MAVENCONSULTING\CD\NSHARE\CURRENT\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\3 - PRODUCT\STAGE 6\215010-S6-C400.DWG





SL 9

SL 8

SWALE

2,000 x 900 mm Conc Box Culvert @ 0.60%

S6-OUTLET 3-1

S6-OUTLET 16-1

RESOURCE CONSENT

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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
	SUPER LOT BDY

A	RESOURCE CONSENT	TL	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	OQ	02/2025
	Drawn	VB	02/2025
	Checked	JP/LC	02/2025

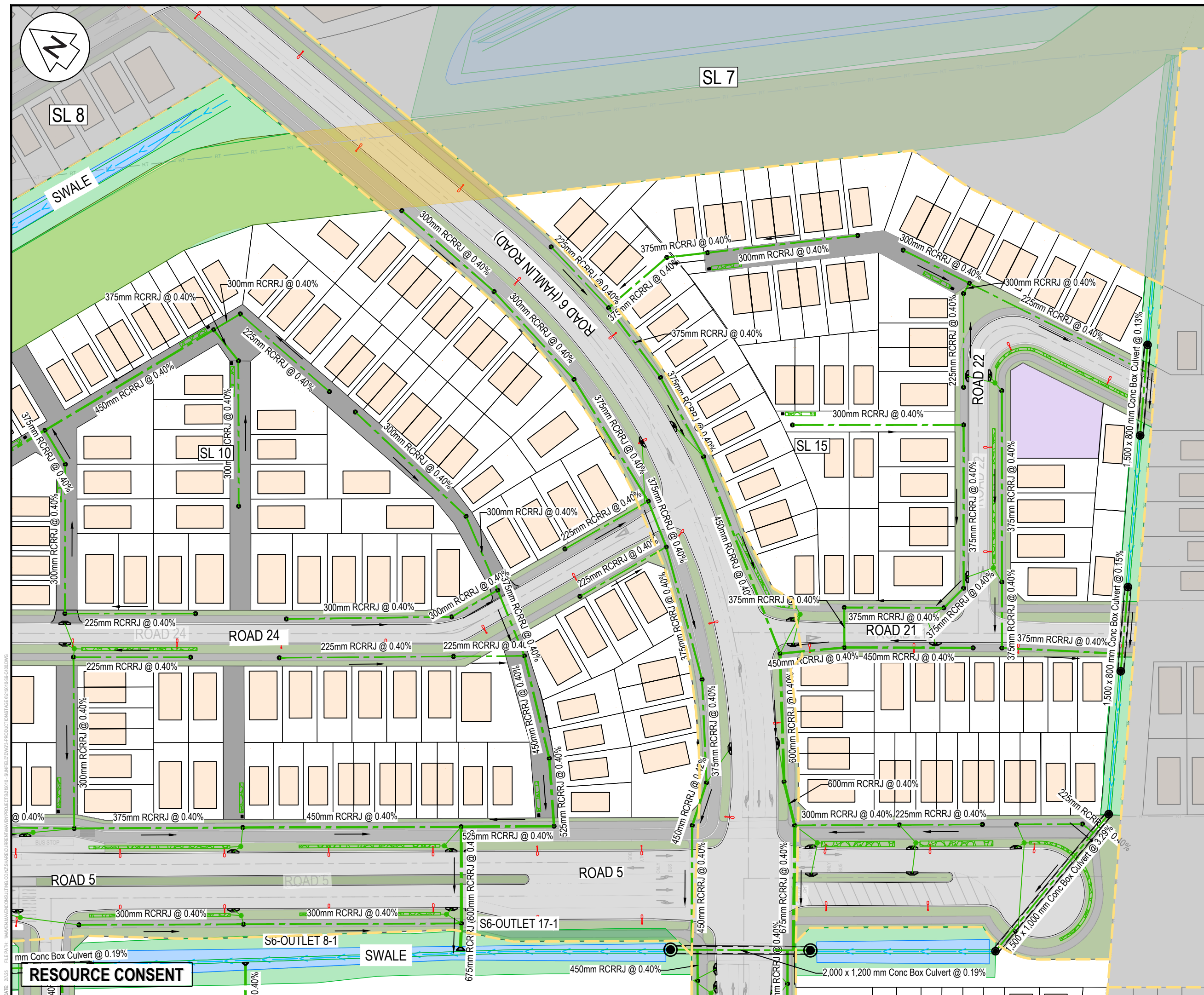
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Auckland 1023

Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 10 & 11  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**








Title  
**PROPOSED  
STORMWATER  
PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C400.DWG
Drawing no.	S6-C400-1
Rev	<b>A</b>



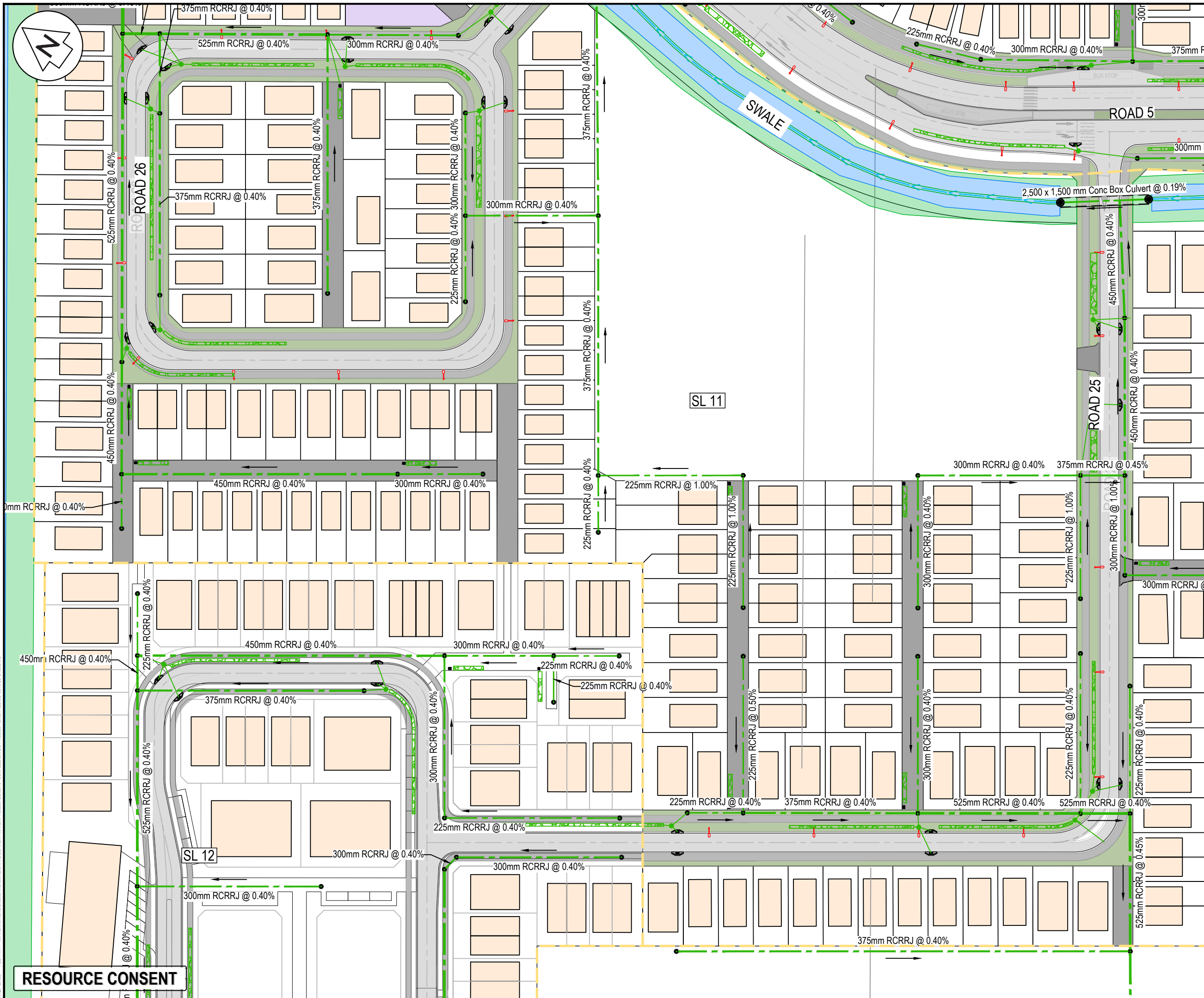


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	PR SUPERLOT BDY
	PR BDY
_____	EX STORMWATER
	PR STORMWATER
	EX/PR SWMH
	PR SWCP SINGLE
	PR SWCP RECESSED
	PR SW RECHARGE PIT
	PR SW SWALE
	EX FIRST GAS EASEMENT
_____	SUPER LOT BDY

A	RESOURCE CONSENT	TL	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	OQ	02/2025	
Drawn	VB	02/2025	
Checked	JP/ILC	02/2025	





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

A	RESOURCE CONSENT	TL	02/2025
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Design	OQ		02/2025
Drawn	VB		02/2025
Checked	JP/LC		02/2025



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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 11 & 12  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

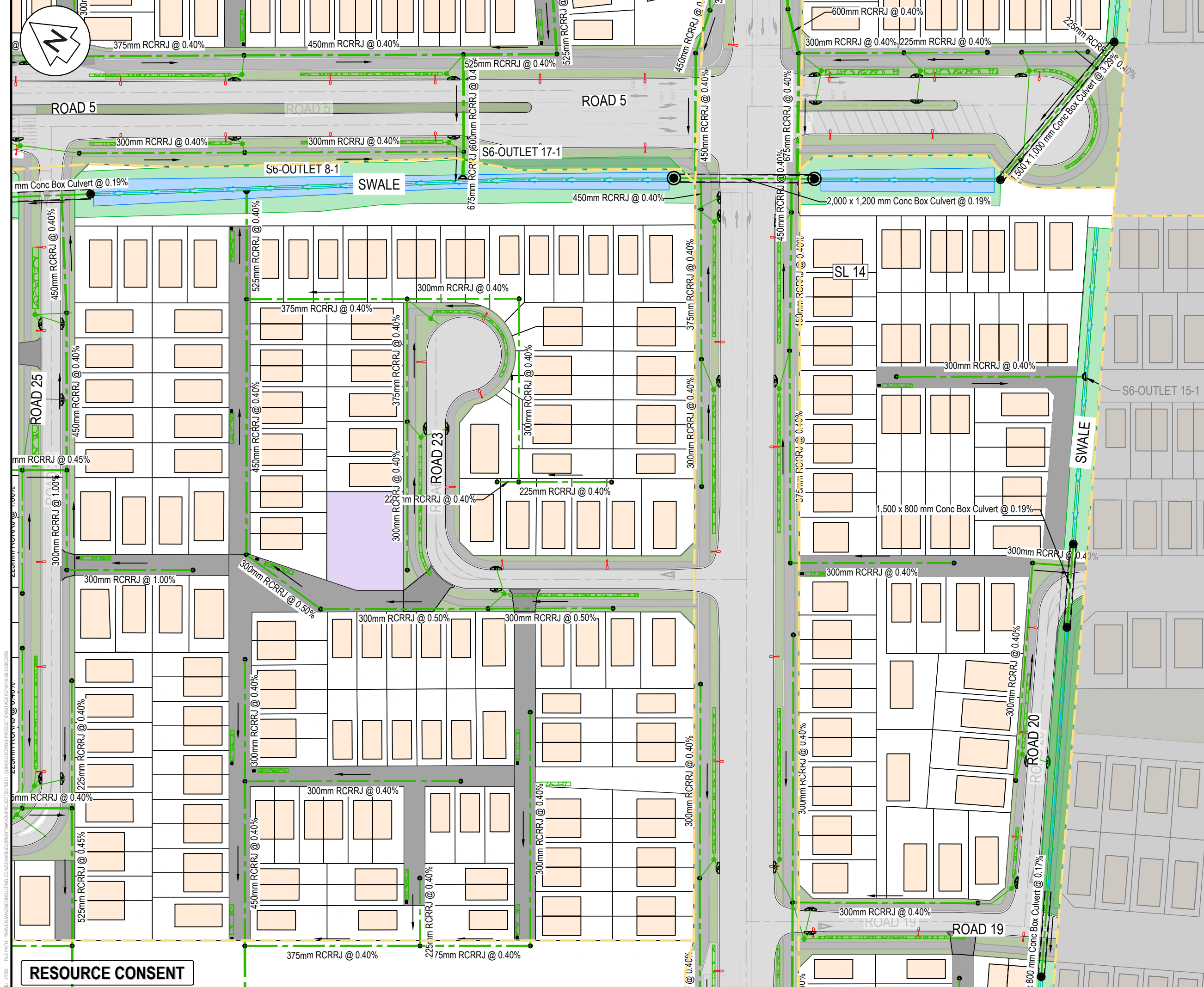
Title  
**PROPOSED  
STORMWATER  
PLAN: SHEET 3**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C400.DWG
Drawing no.	S6-C400-3
Rev	<b>A</b>

DATE: 2/7/25 FILE PATH: \\MAVEN\MAVEN\CONSULTING\CD\N\SHARE\CURRENT\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\3 - PRODUCT\STAGE 6\215010-S6-C400.DWG

**RESOURCE CONSENT**





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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
---	SUPER LOT BDY

A	RESOURCE CONSENT	TL	02/2025
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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 11 & 14  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

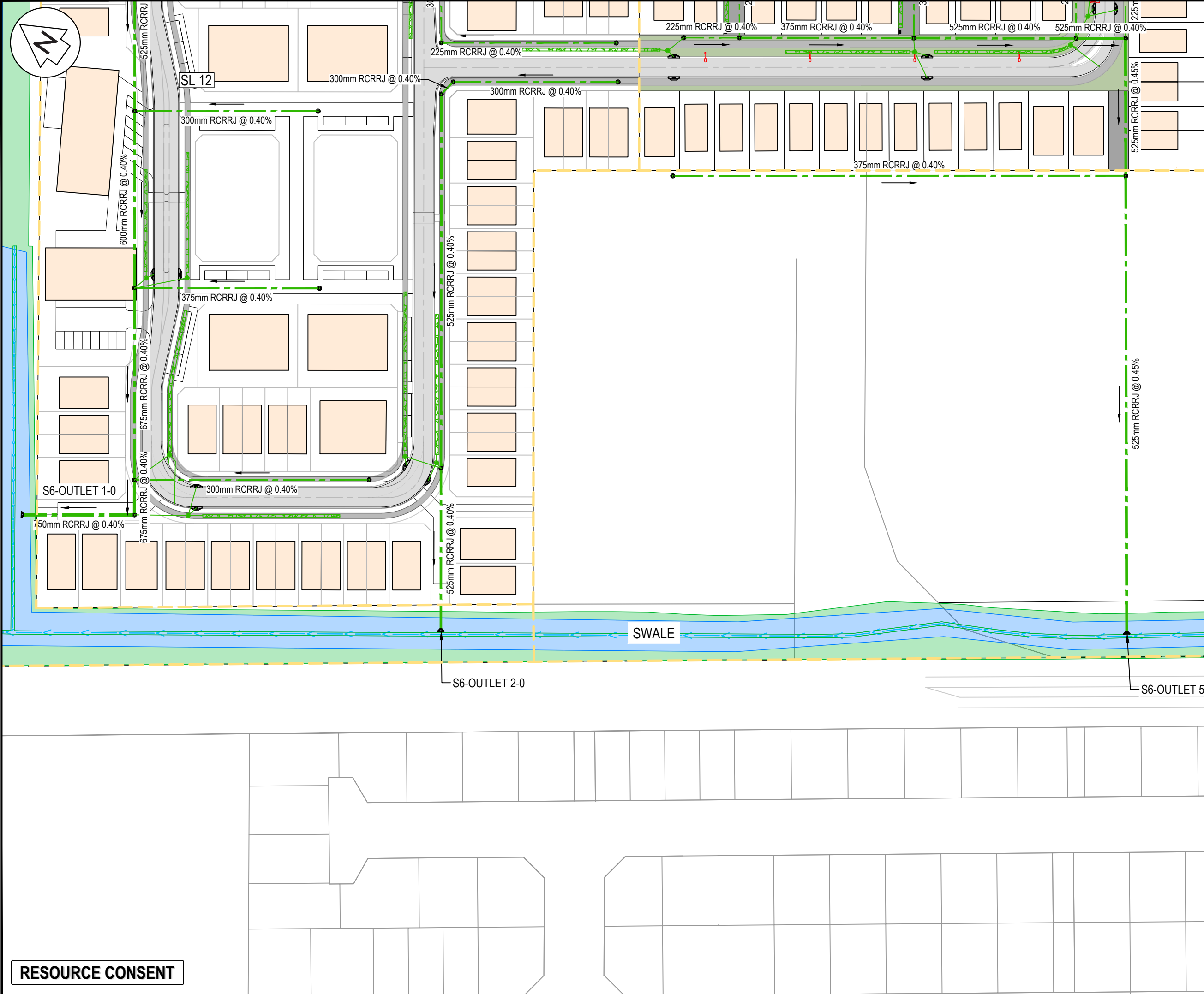
Title  
**PROPOSED  
STORMWATER  
PLAN: SHEET 4**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C400.DWG
Drawing no.	S6-C400-4
Rev	<b>A</b>

DATE: 27/02 FILE PATH: \\MVEN\MVENCONSULTING\CD\NSHARE\CURRENT\PROJECTS\215010 - SUNFIELD\DWG\PRODUCT\STAGE 02\15010S6-C400.DWG

**RESOURCE CONSENT**





- 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
  - SUPER LOT BDY

A	RESOURCE CONSENT	TL	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	OQ		02/2025
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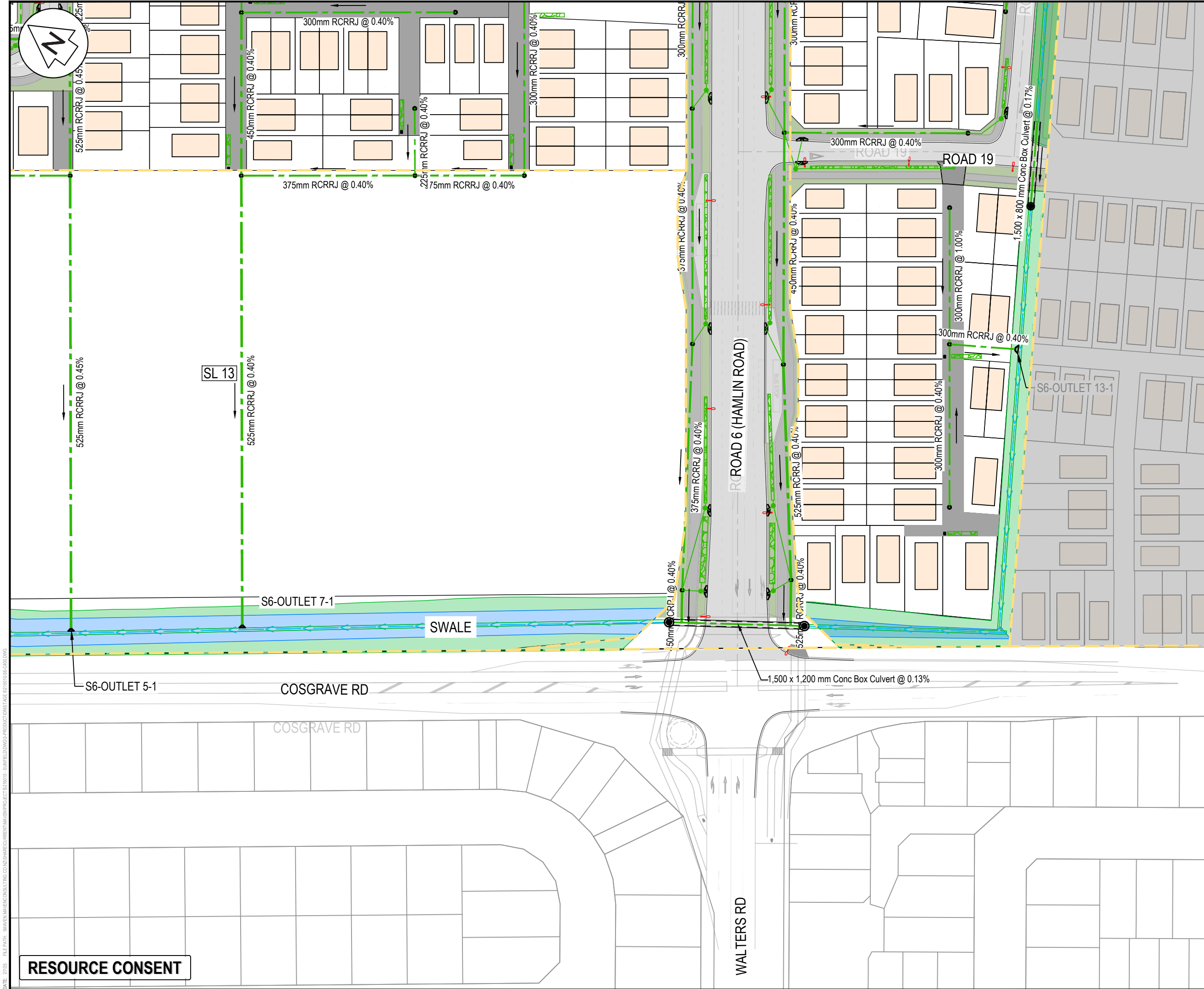
Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 12 & 13  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title  
**PROPOSED  
STORMWATER  
PLAN: SHEET 5**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C400.DWG
Drawing no.	S6-C400-5
Rev	<b>A</b>

**RESOURCE CONSENT**





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

A	RESOURCE CONSENT	TL	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	OQ		02/2025
Drawn	VB		02/2025
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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 13 & 14  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title  
**PROPOSED  
STORMWATER  
PLAN: SHEET 6**

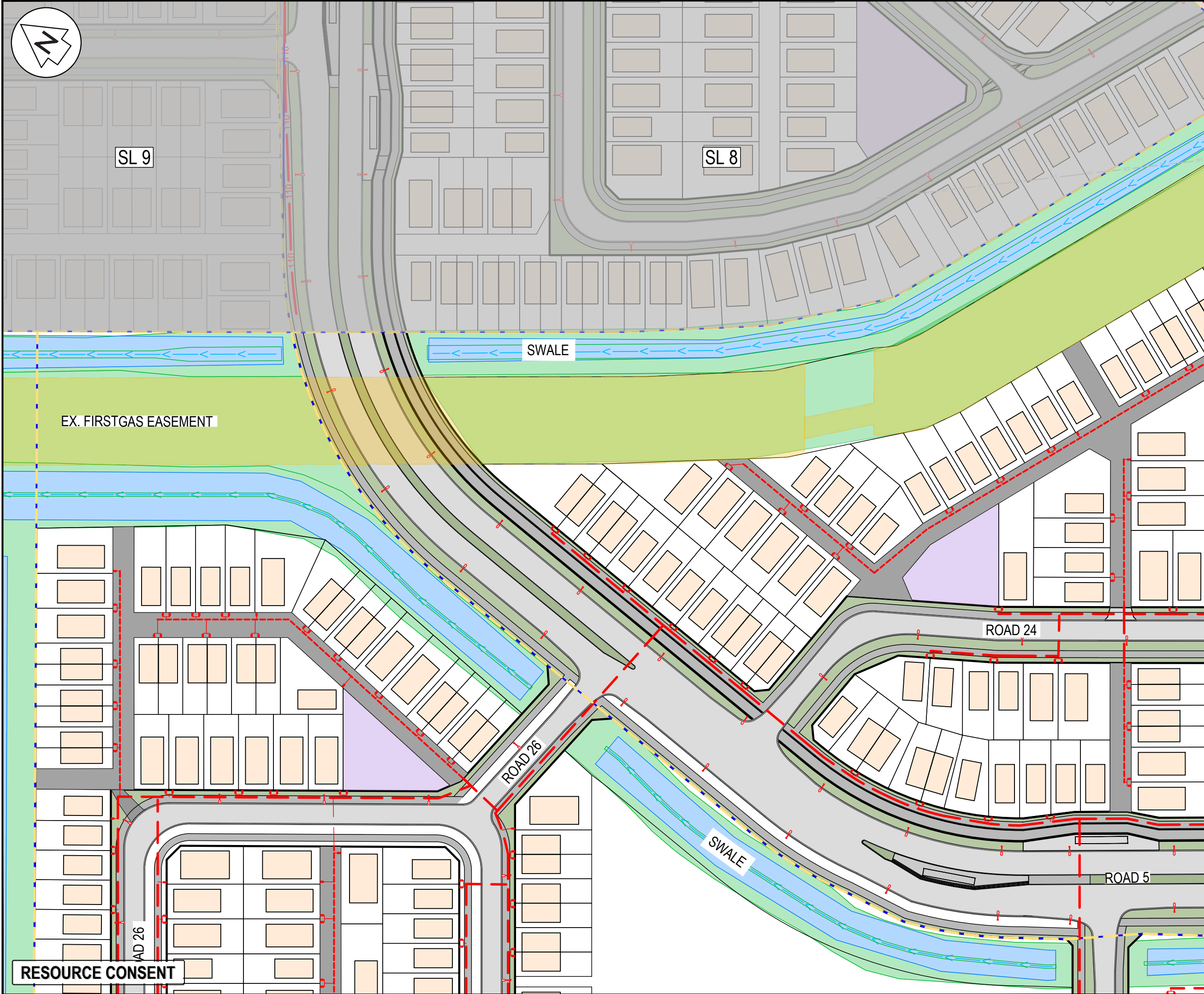
Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C400.DWG
Drawing no.	S6-C400-6
Rev	<b>A</b>

RESOURCE CONSENT



REFER TO S6-500-6





**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.
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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	RK	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	KH/RK	02/2025
	Drawn	KH/RK	02/2025
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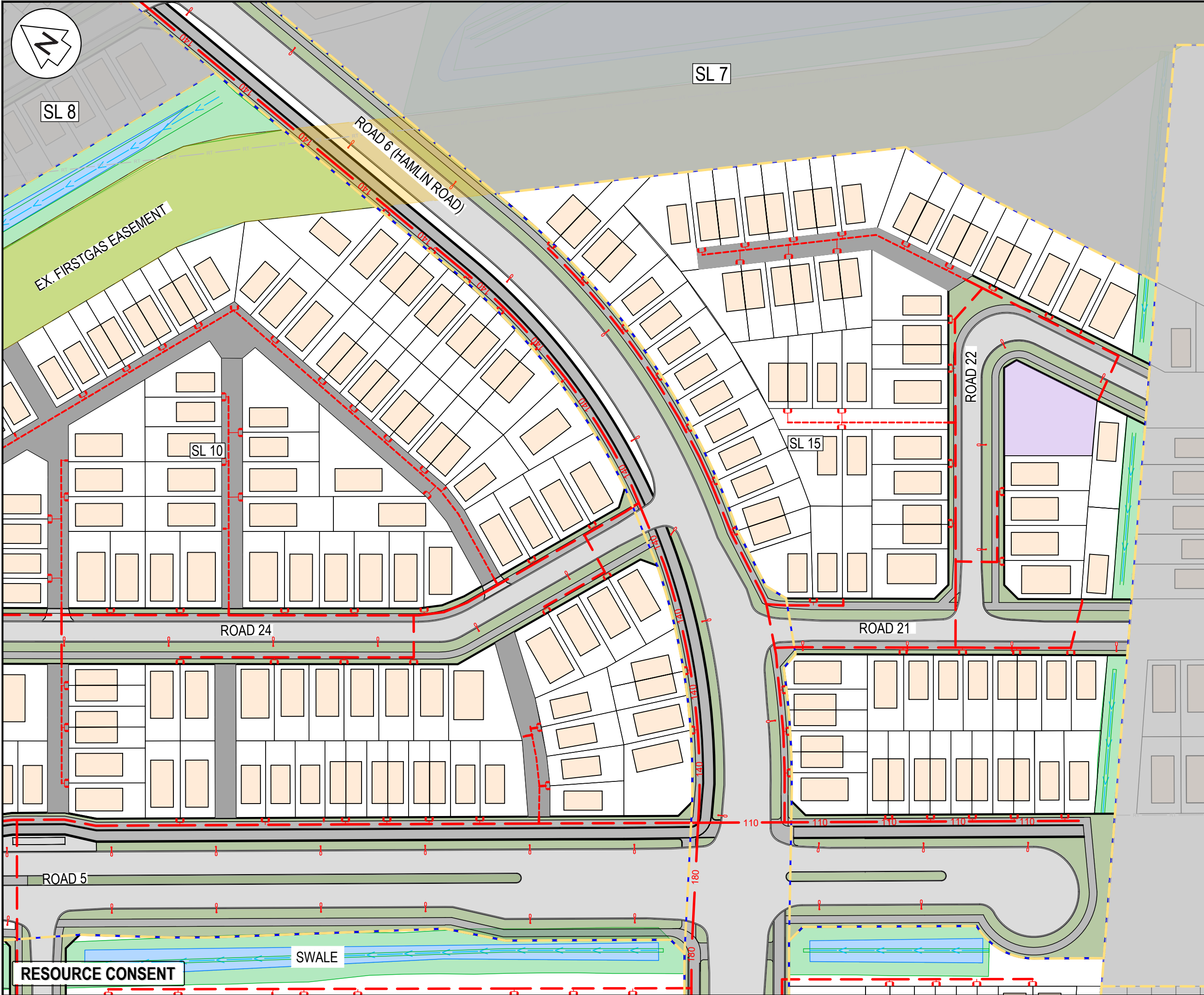
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Auckland 1023

Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOTS 10-15  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title  
**PROPOSED  
WASTEWATER  
PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C500.DWG
Drawing no.	S6-C500-1
Rev	<b>A</b>





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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).
9. 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.

**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	RK	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	KH/RK	02/2025	
Drawn	KH/RK	02/2025	
Checked	JP/LC	02/2025	

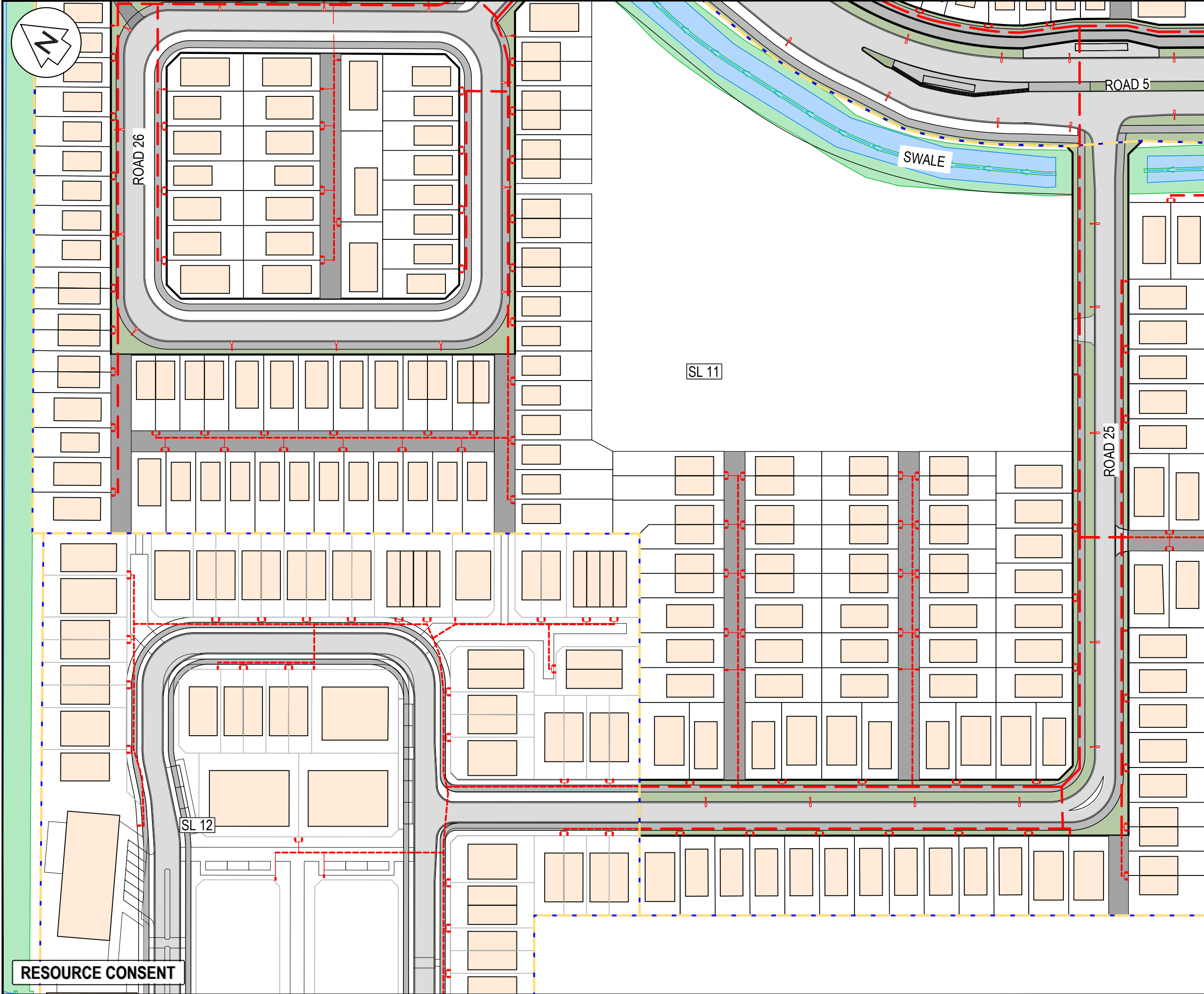
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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOTS 10-15  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title  
**PROPOSED  
WASTEWATER  
PLAN: SHEET 2**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C500.DWG
Drawing no.	S6-C500-2
Rev	<b>A</b>

DATE: 2/7/25 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG3-PRODUCTION\STAGE 02\215010-S6-C500.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.
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).
9. 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.

**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	RK	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	KH/RK	02/2025
	Drawn	KH/RK	02/2025
	Checked	JP/LC	02/2025

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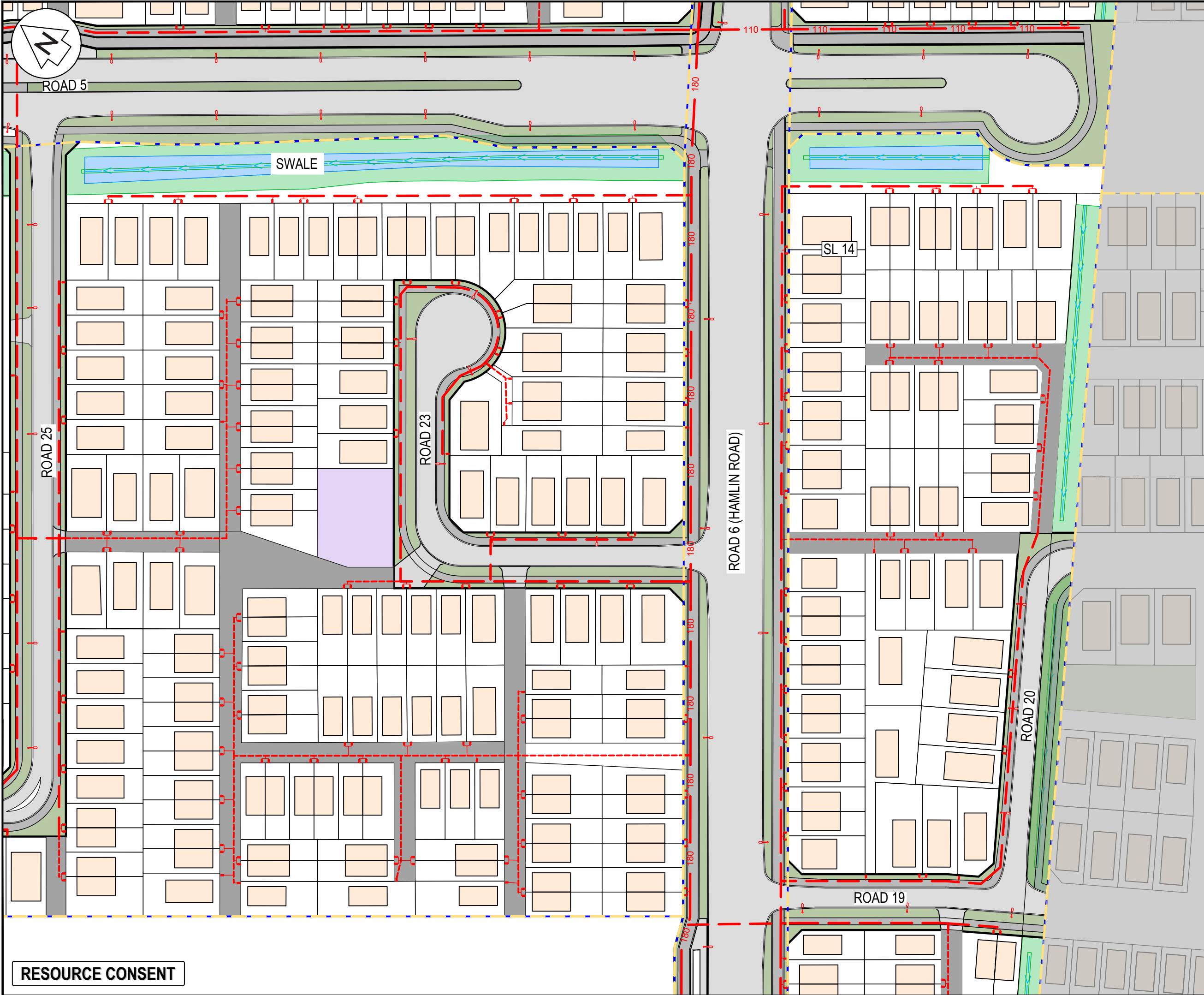
Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOTS 10-15  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title  
**PROPOSED  
WASTEWATER  
PLAN: SHEET 3**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S6-C500.DWG		
Drawing no.	S6-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).
9. 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.

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	RK	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	KH/RK	02/2025
	Drawn	KH/RK	02/2025
	Checked	JP/LC	02/2025

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Project

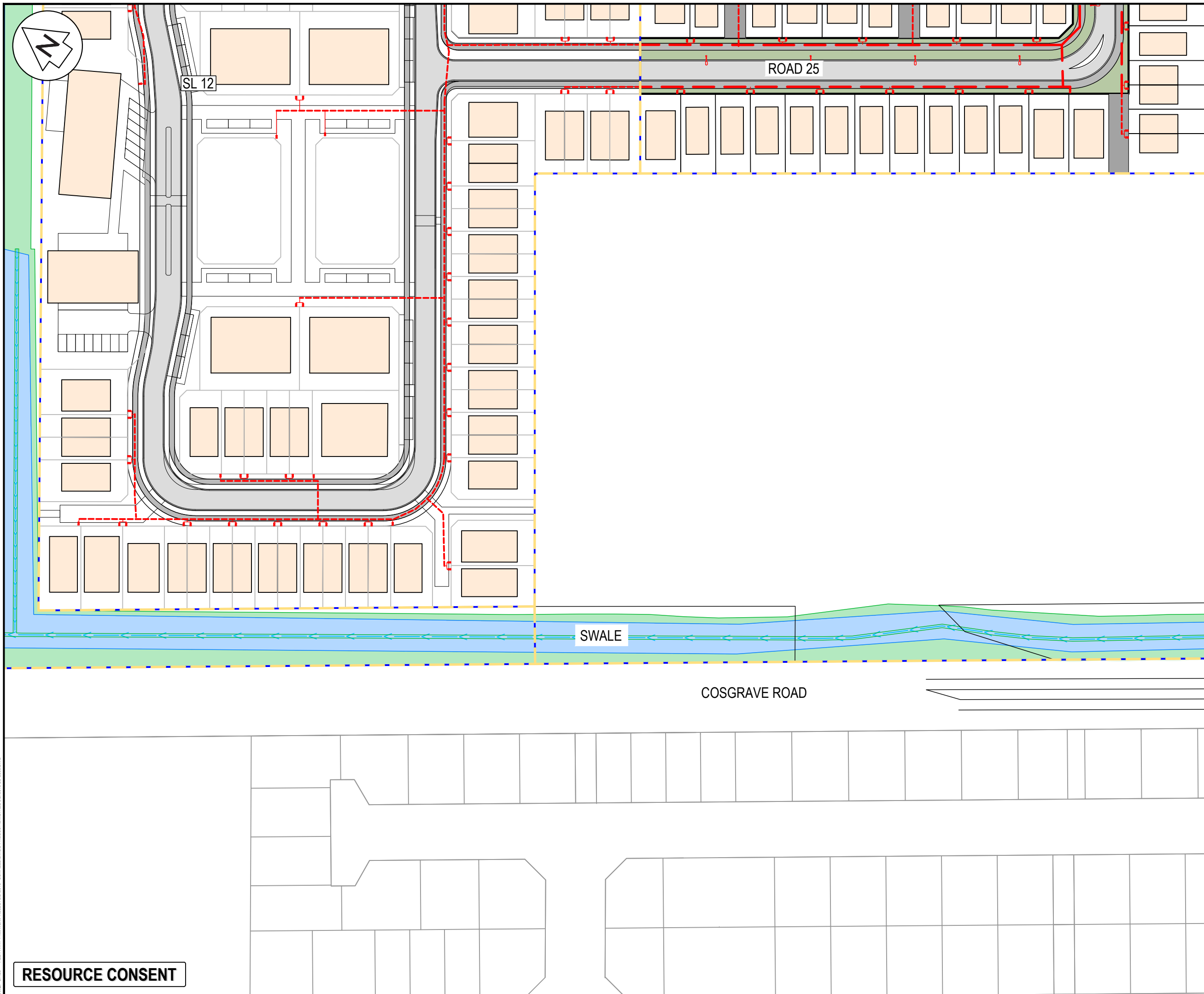
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOTS 10-15  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title

**PROPOSED  
WASTEWATER  
PLAN: SHEET 4**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S6-C500.DWG		
Drawing no.	S6-C500-4	Rev	<b>A</b>





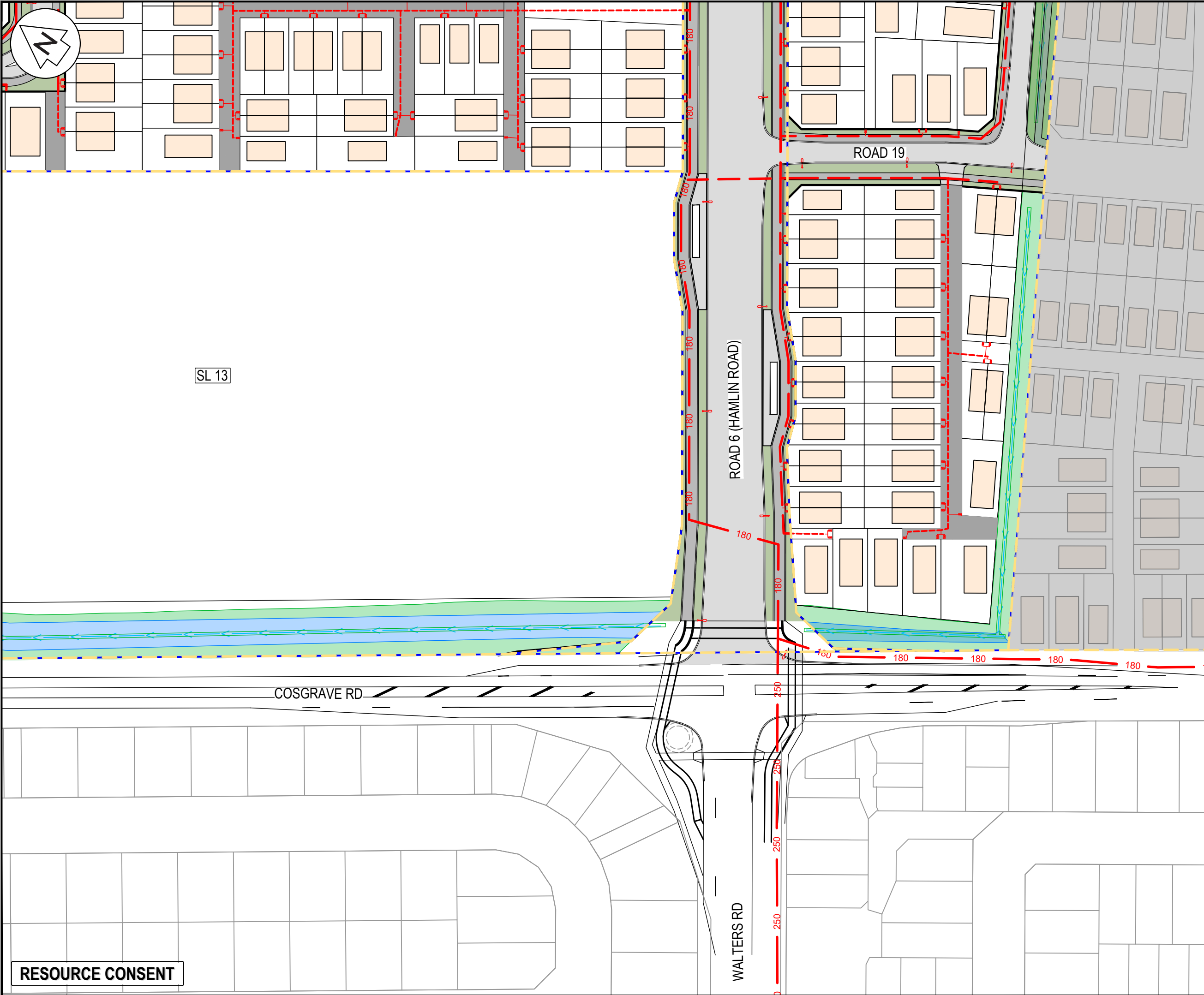
WASTEWATER NOTES

### LEGEND

A	RESOURCE CONSENT	RK	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	KH/RK	02/2025	
Drawn	KH/RK	02/2025	
Checked	JP/LC	02/2025	

**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOTS 10-15  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S6-C500.DWG		
Drawing no.	S6-C500-5	Rev	<b>A</b>



**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.
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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).
9. 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.

**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	RK	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	KH/RK	02/2025	
Drawn	KH/RK	02/2025	
Checked	JP/LC	02/2025	

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Project

**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOTS 10-15  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

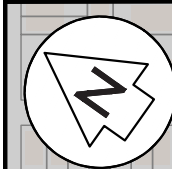
Title

**PROPOSED  
WASTEWATER  
PLAN: SHEET 6**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S6-C500.DWG		
Drawing no.	S6-C500-6	Rev	<b>A</b>

RESOURCE CONSENT





REFER TO S6-600-1

REFER TO S6-600-2

- 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 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
---	PR BDY
---	EX WATERMAIN
---	PR WATER MAIN 50
---	PR WATER MAIN 100
---	PR WATER MAIN 150
---	PR WATER MAIN 200
---	PR WATER PRIVATE
---	EX/PR HYDRANT
---	EX/PR METER
---	EX SLUICE VALVE
---	EX PEET VALVE
---	PR SLUICE VALVE
---	PR PEET VALVE

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

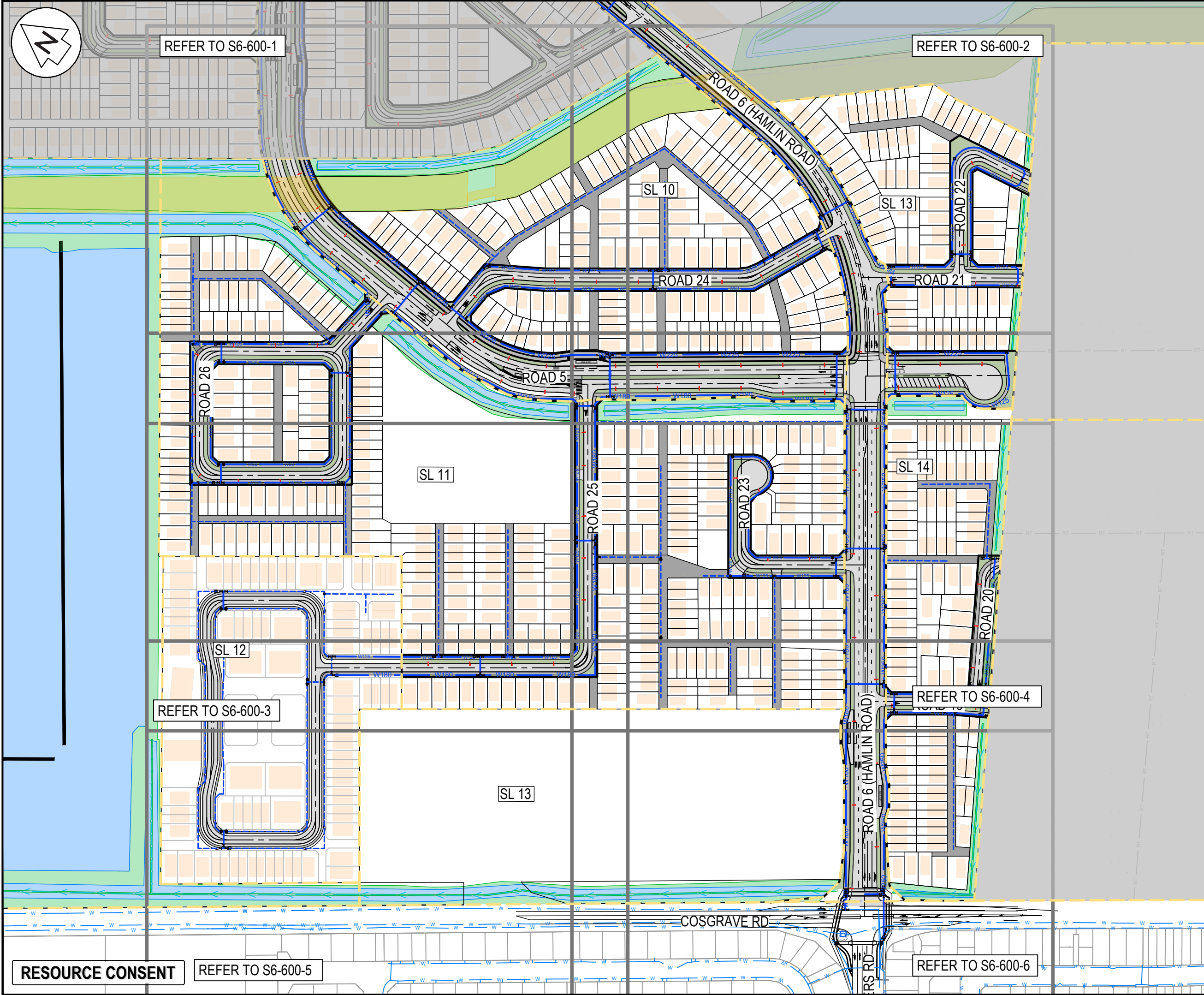


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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 10 & 11  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title  
**PROPOSED  
WATER SUPPLY  
PLAN OVERVIEW**

Project no.	215010
Scale	1:2500 @ A3
Cad file	215010-S6-C600.DWG
Drawing no.	S6-C600
Rev	<b>A</b>

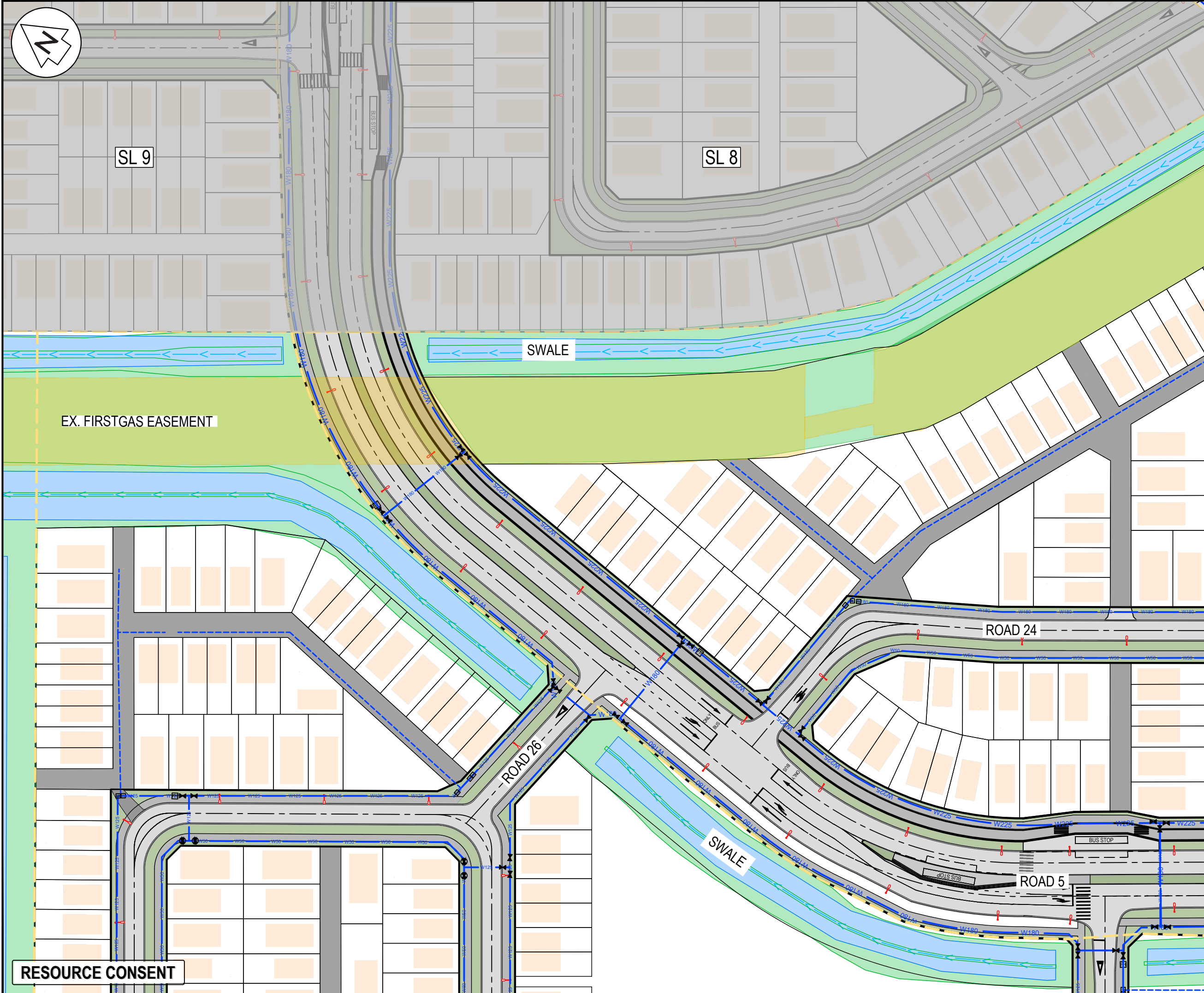


**RESOURCE CONSENT**

REFER TO S6-600-5

REFER TO S6-600-6





- 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 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
—	PR BDY
—	EX WATERMAIN
—	PR WATER MAIN 50
—	PR WATER MAIN 100
—	PR WATER MAIN 150
—	PR WATER MAIN 200
---	PR WATER PRIVATE
⊕	EX/PR HYDRANT
⊗	EX/PR METER
⊕	EX SLUICE VALVE
⊗	EX PEET VALVE
⊕	PR SLUICE VALVE
⊗	PR PEET VALVE

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

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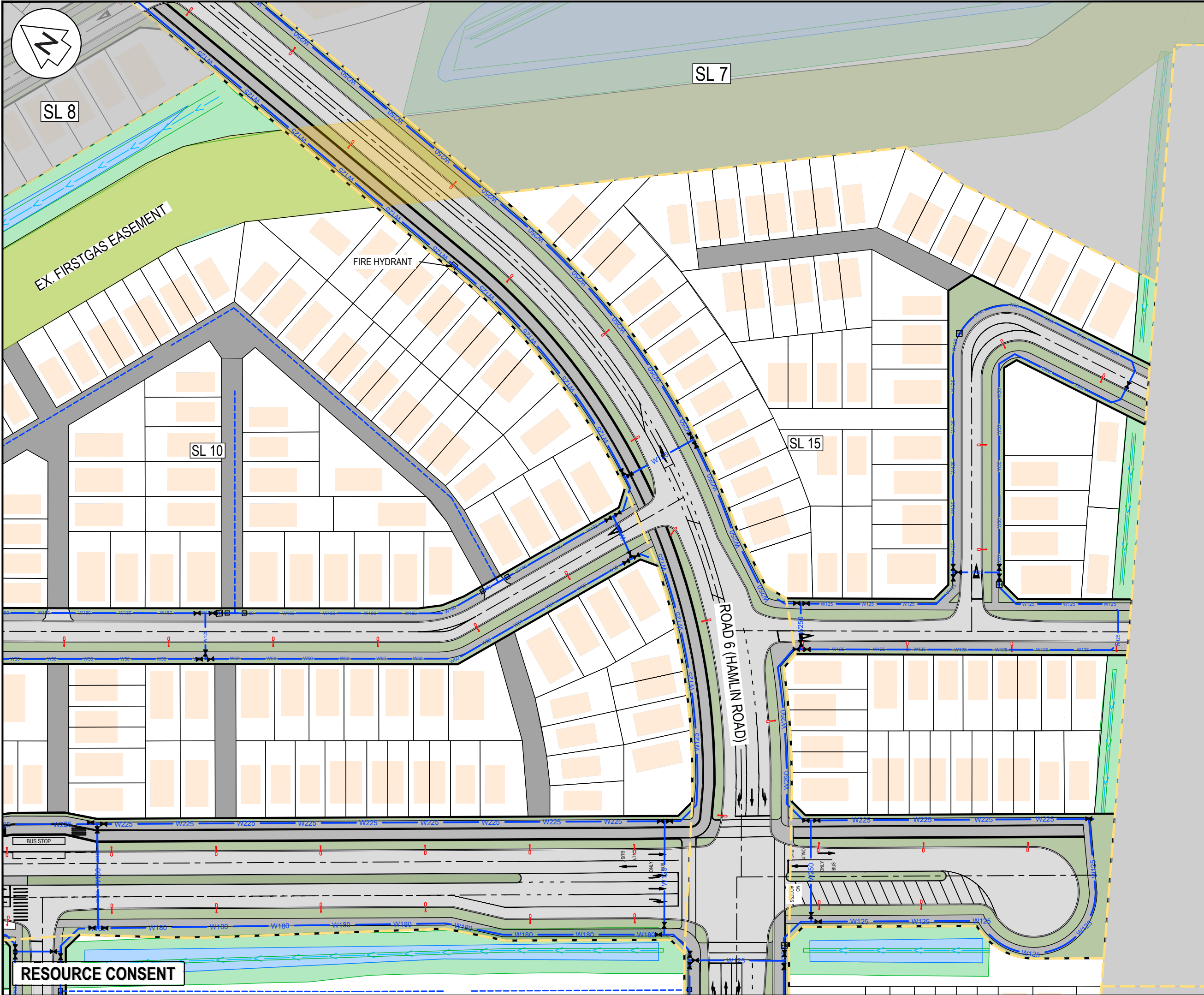
Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 10 & 11  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C600.DWG
Drawing no.	S6-C600-1
Rev	<b>A</b>

**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
---	PR BDY
---	EX WATERMAIN
---	PR WATER MAIN 50
---	PR WATER MAIN 100
---	PR WATER MAIN 150
---	PR WATER MAIN 200
---	PR WATER PRIVATE
---	EX/PR HYDRANT
---	EX/PR METER
---	EX SLUICE VALVE
---	EX PEET VALVE
---	PR SLUICE VALVE
---	PR PEET VALVE

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

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Auckland 1023

Project

**SUNFIELD DEVELOPMENT**

**ARDMORE, AUCKLAND**

**SUPERLOT 10 & 15**

**FOR SUNFIELD DEVELOPMENTS LIMITED**

Title

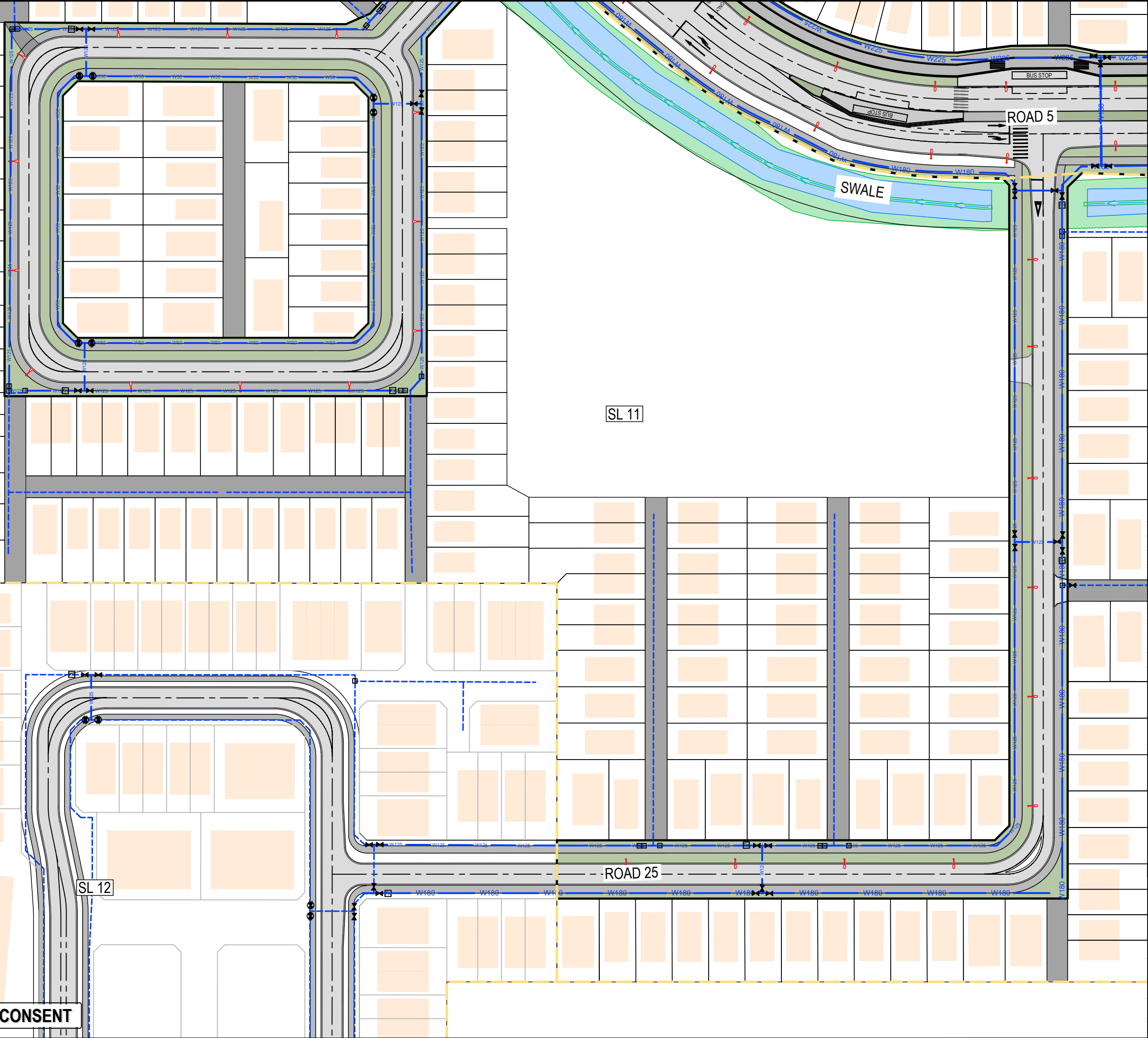
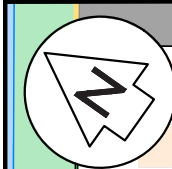
**PROPOSED**

**WATER SUPPLY**

**PLAN: SHEET 2**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C600.DWG
Drawing no.	S6-C600-2
Rev	<b>A</b>

DATE: 27/02 FILE PATH: F:\Maven\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 6\215010-S6-C600.DWG



- 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.
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LEGEND

EX BDY	PR BDY	EX WATERMAIN
W50	W50	PR WATER MAIN 50
W100	W100	PR WATER MAIN 100
W150	W150	PR WATER MAIN 150
W200	W200	PR WATER MAIN 200
PR WATER PRIVATE	EX/PR HYDRANT	EX/PR METER
EX SLUICE VALVE	EX PEET VALVE	PR SLUICE VALVE
PR PEET VALVE		

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

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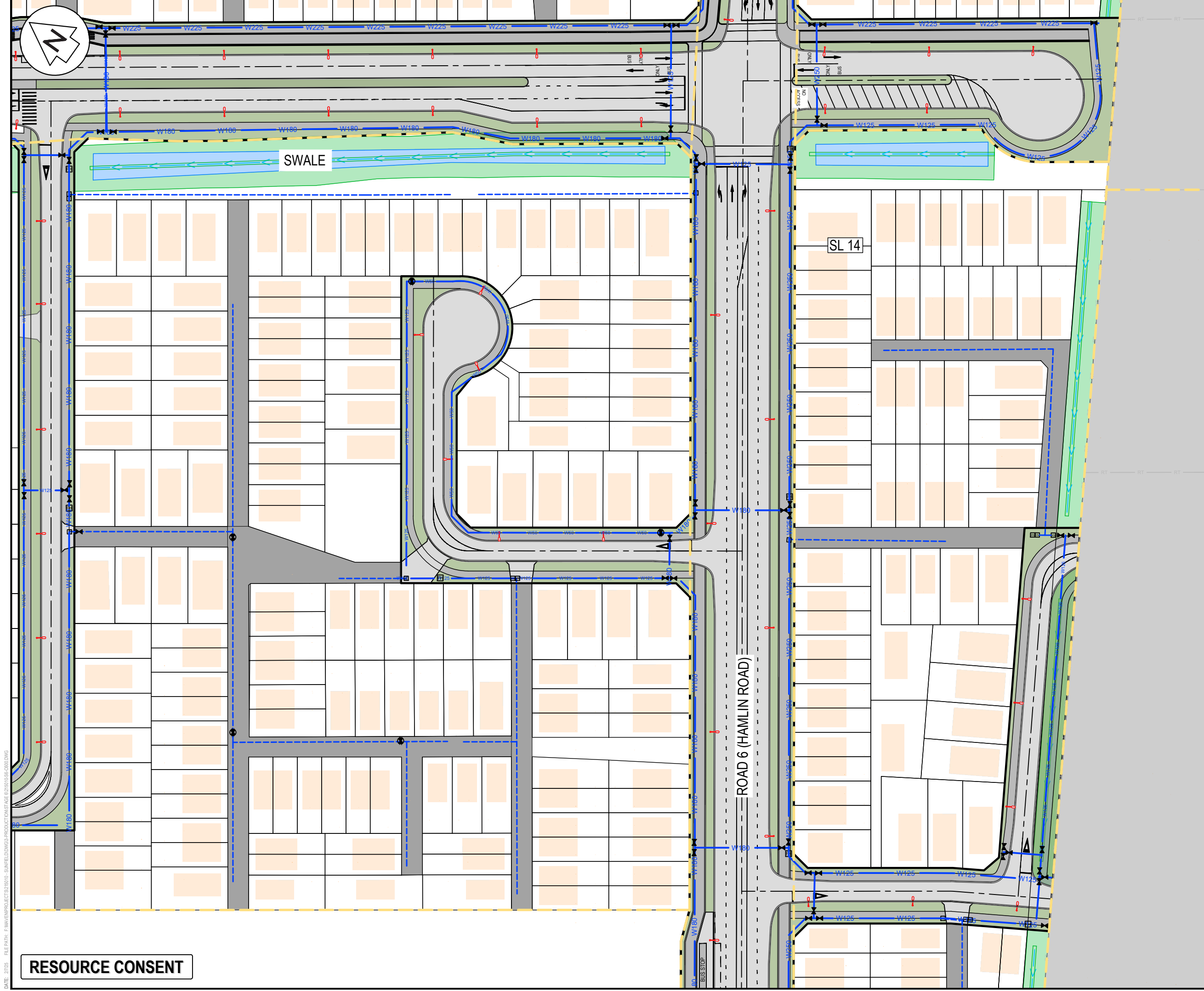
Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 11 & 12  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C600.DWG
Drawing no.	S6-C600-3
Rev	A

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
---	PR BDY
---	EX WATERMAIN
---	PR WATER MAIN 50
---	PR WATER MAIN 100
---	PR WATER MAIN 150
---	PR WATER MAIN 200
---	PR WATER PRIVATE
---	EX/PR HYDRANT
---	EX/PR METER
---	EX SLUICE VALVE
---	EX PEET VALVE
---	PR SLUICE VALVE
---	PR PEET VALVE

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



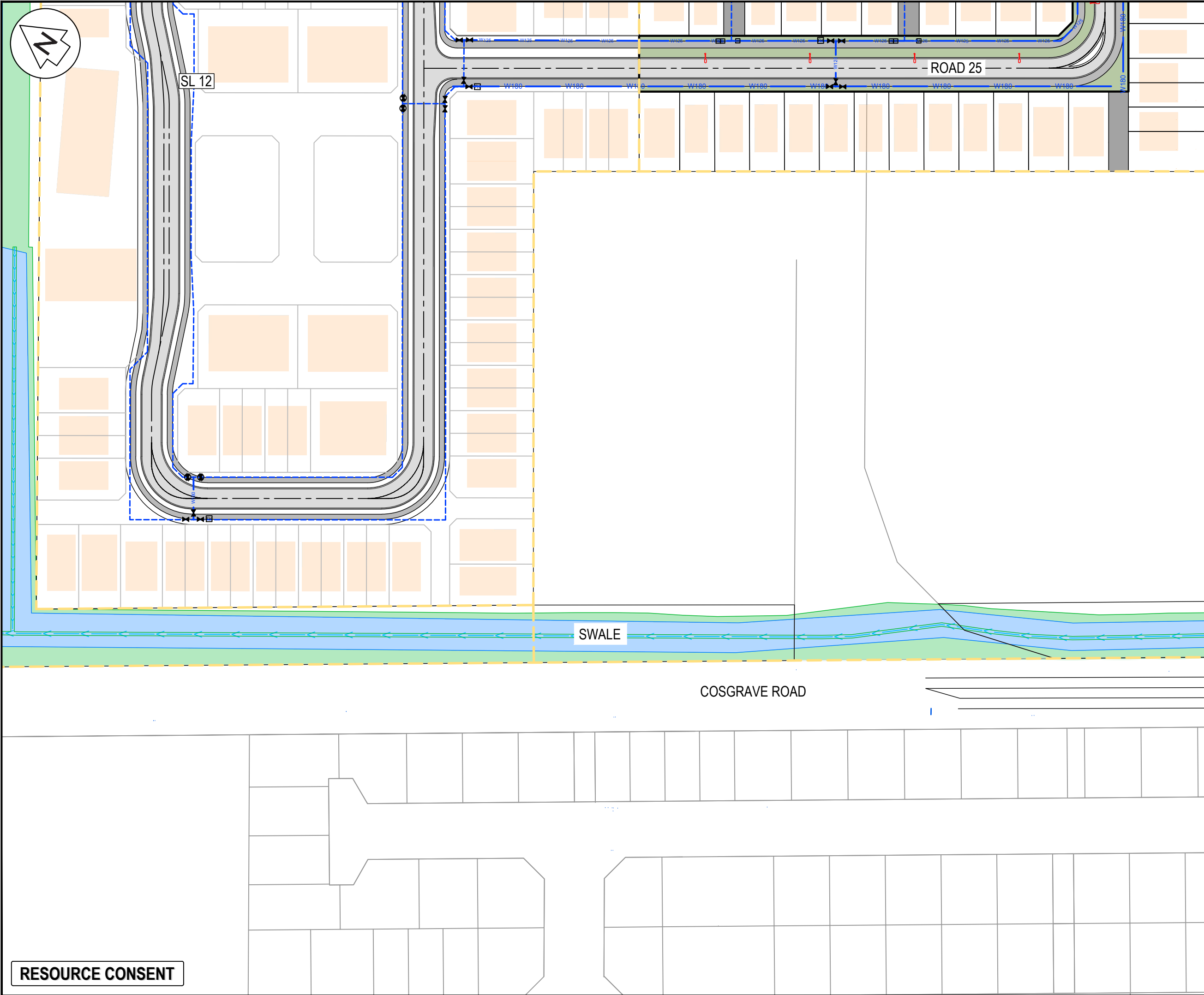
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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 11 & 14  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title  
**PROPOSED  
WATER SUPPLY  
PLAN: SHEET 4**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C600.DWG
Drawing no.	S6-C600-4
Rev	<b>A</b>

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 SPIGOT 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.
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- ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

LEGEND

---	EX BDY
---	PR BDY
---	EX WATERMAIN
---	PR WATER MAIN 50
---	PR WATER MAIN 100
---	PR WATER MAIN 150
---	PR WATER MAIN 200
---	PR WATER PRIVATE
---	EX/PR HYDRANT
---	EX/PR METER
---	EX SLUICE VALVE
---	EX PEET VALVE
---	PR SLUICE VALVE
---	PR PEET VALVE

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



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Project

**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 12 & 13  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title

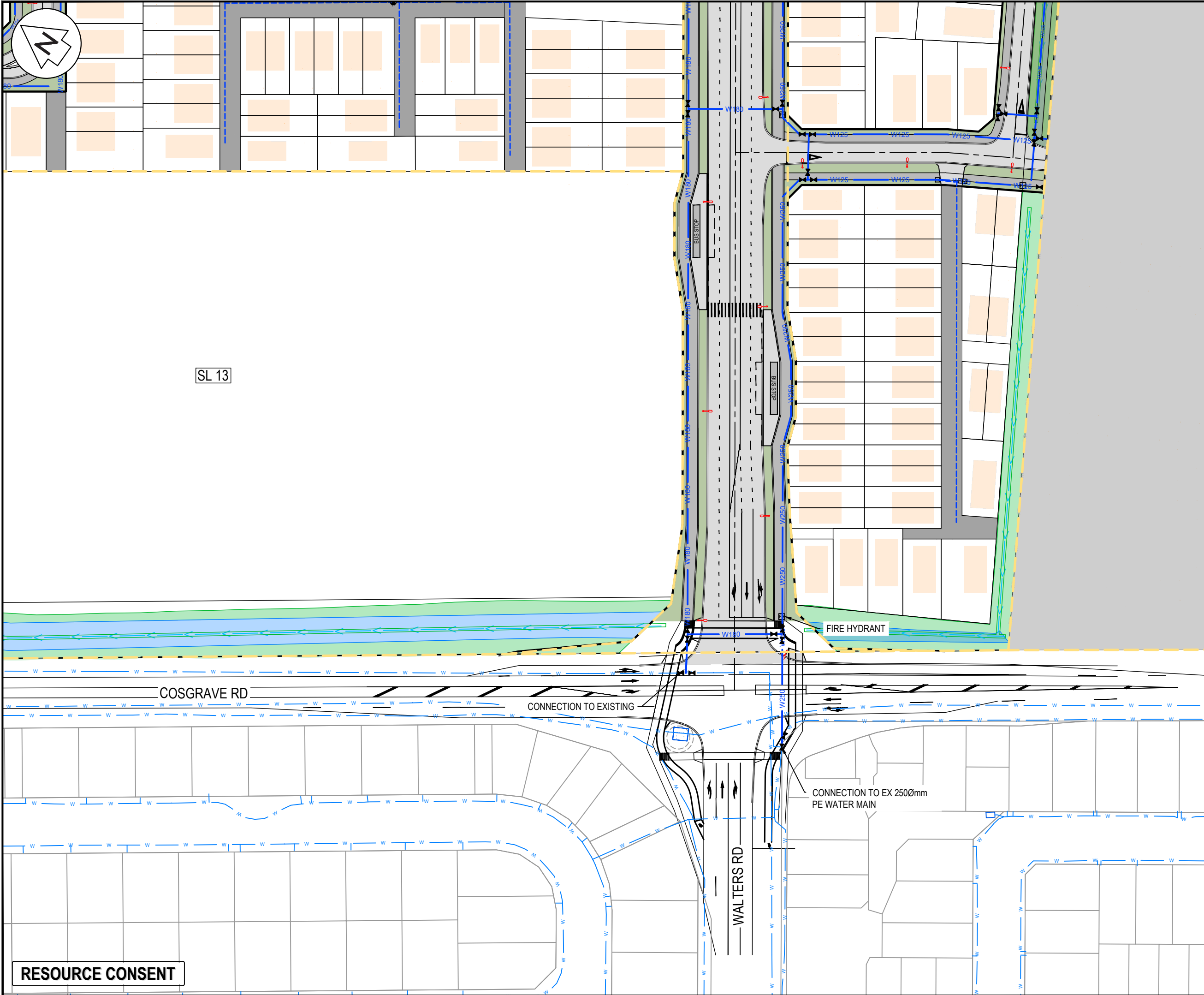
**PROPOSED  
WATER SUPPLY  
PLAN: SHEET 5**

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S6-C600.DWG		
Drawing no.	S6-C600-5	Rev	<b>A</b>

DATE: 2/7/25 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 6\215010-S6-C600.DWG

RESOURCE CONSENT





NOTES

- ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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- ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

LEGEND

---	EX BDY
---	PR BDY
---	EX WATERMAIN
---	PR WATER MAIN 50
---	PR WATER MAIN 100
---	PR WATER MAIN 150
---	PR WATER MAIN 200
---	PR WATER PRIVATE
FH	EX/PR HYDRANT
WM	EX/PR METER
⊗	EX SLUICE VALVE
⊗	EX PEET VALVE
⊗	PR SLUICE VALVE
⊗	PR PEET VALVE

A	RESOURCE CONSENT	AS	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	AS		11/2024
Drawn	KN		11/2024
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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 13 & 14  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S6-C600.DWG		
Drawing no.	S6-C600-6	Rev	A