



SL 19

SL 21

SL 21

SL 16

SL 7

SL 8

SL 9

SL 9

SL 8

SL 10

SL 10

REFER S5-C300-2

REFER S5-C300-1

REFER S5-C300-3

ROAD 1

ROAD 1

ROAD 6

ROAD 5

ROAD 28

ROAD 27

SWALE

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%.
 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.

LEGEND

	EX BDY
	PR BDY
	SUPERLOT BDY
	PR PRIVATE JOAL
	PR PRIVATE FOOTPATH WITH BOLLARD

A	RESOURCE CONSENT	JAW	01/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	YC	11/2024
	Drawn	DJ	11/2024
	Checked	JP/LC	02/2025

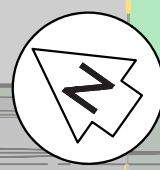
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Project
**SUNFIELD DEVELOPMENT
 ARDMORE, AUCKLAND
 SUPERLOT 8 & 9
 FOR SUNFIELD
 DEVELOPMENTS LIMITED**

Title
**PROPOSED ROADING
 ROADING
 PLAN OVERVIEW**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S5-C300.DWG
Drawing no.	S5-C300
Rev	A

DATE: 2/25 FILE PATH: \\MAVEN\CONSULTING\CONSTRUCTION\CURRENT\MAVEN\PROJECTS\215010 - SUNFIELD DEV - PRODUCT DMS PAGE 5/10/10/S5-C300.DWG



SL 21

ROAD 1

SL 19

JOAL S5-1

JOAL S5-6

JOAL S5-7

JOAL S5-12

ROAD 28

JOAL S5-2

SL 9

JOAL S5-9

JOAL S5-10

JOAL S5-13

ROAD 5

JOAL S5-15

JOAL S5-1

JOAL S5-3

JOAL S5-5

JOAL S5-16

JOAL S5-4

SWALE

SL 11

SL 10

- 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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 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.
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 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.

LEGEND

	EX BDY
	PR BDY
	SUPERLOT BDY
	PR PRIVATE JOAL
	PR PRIVATE FOOTPATH WITH BOLLARD

A	RESOURCE CONSENT	JAW	01/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	YC	11/2024
	Drawn	DJ	11/2024
	Checked	JP/LC	02/2025

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Project
**SUNFIELD DEVELOPMENT
 ARDMORE, AUCKLAND
 SUPERLOT 8 & 9
 FOR SUNFIELD
 DEVELOPMENTS LIMITED**

Title
**PROPOSED
 ROADING
 PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S5-C300.DWG
Drawing no.	S5-C300-1
Rev	A

DATE: 27/25 FILE PATH: \\MAVEN\MAVEN\CONSULTING\CONSTRUCTION\PROJECTS\215010 - SUNFIELD\DWG - PRODUCT\DWG\215010-S5-C300.DWG

RESOURCE CONSENT



SL 21

SL 16

SL 7

ROAD 1

ROAD 1

ROAD 6

ROAD 5

JOAL S5-12

JOAL S5-11

JOAL S5-13

5.00m

5.97m

5.97m

6.50m

5.58m

RESOURCE CONSENT

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

	EX BDY
	PR BDY
	SUPERLOT BDY
	PR PRIVATE JOAL
	PR PRIVATE FOOTPATH WITH BOLLARD

A	RESOURCE CONSENT	JAW	01/2025
Rev	Description	By	Date
	Survey	SURVEYWORX	02/2021
	Design	YC	11/2024
	Drawn	DJ	11/2024
	Checked	JP/LC	02/2025

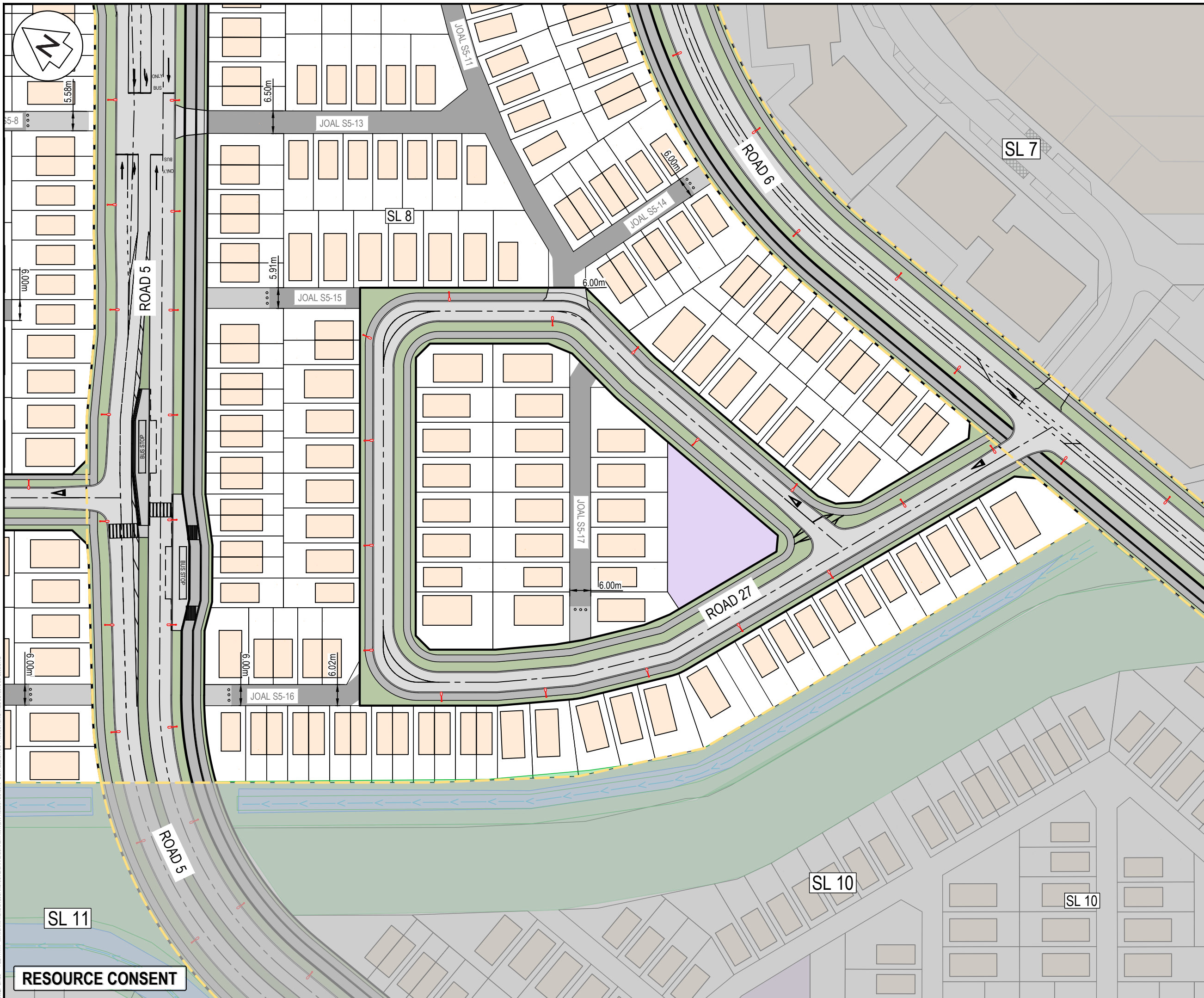
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Project
**SUNFIELD DEVELOPMENT
 ARDMORE, AUCKLAND
 SUPERLOT 8 & 9
 FOR SUNFIELD
 DEVELOPMENTS LIMITED**

Title
**PROPOSED
 ROADING
 PLAN: SHEET 2**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S5-C300.DWG
Drawing no.	S5-C300-2
Rev	A

DATE: 27/05 FILE PATH: \\MAVEN\CONSTRUCTING\CONSTRUCTION\CURRENT\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\PRODUCT\DWG\STAGE 5\215010-S5-C300.DWG



- 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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LEGEND

	EX BDY
	PR BDY
	SUPERLOT BDY
	PR PRIVATE JOAL
	PR PRIVATE FOOTPATH WITH BOLLARD

Rev	Description	By	Date
A	RESOURCE CONSENT	JAW	01/2025
Survey	SURVEYWORX		02/2021
Design	YC		11/2024
Drawn	DJ		11/2024
Checked	JP/LC		02/2025

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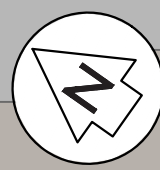
Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 8 & 9
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
ROADING
PLAN: SHEET 3

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S5-C300.DWG
Drawing no.	S5-C300-3
Rev	A

DATE: 2/2/25 FILE PATH: \\MAVEN\ENGIN\PROJECTS\CURRENT\MAVEN\PROJECTS\SUNFIELD\RDG\PRODUCT\DWG\S5-C300.DWG

RESOURCE CONSENT



SL 19

SL 21

SL 16

SL 7

SL 9

SL 8

SL 10

REFER S5-C500-2

REFER S5-C500-1

REFER S5-C500-3

ROAD 5

ROAD 6

ROAD 28

ROAD 27

SWALE

EX.FIRSTGAS EASEMENT

LEGEND

- EXISTING BDY
- PROPOSED BDY
- SUPERLOT BDY
- EX WASTEWATER
- PR WASTEWATER PRIV
- PR WASTEWATER
- 110 — PR WASTEWATER BULK MAIN (LPS)
- 140 — PR WASTEWATER BULK MAIN (LPS)
- 160 — PR WASTEWATER BULK MAIN (LPS)
- 180 — PR WASTEWATER BULK MAIN (LPS)
- 80 — PR BDY KIT - SINGLE
- 80 — PR BDY KIT - DOUBLE
- EX FIRST GAS EASEMENT

- 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.

A	RESOURCE CONSENT	AC	02/2025
Rev	Description	By	Date
	Survey	SURVEYWORK	02/2021
	Design	CE	11/2024
	Drawn	KNH	01/2025
	Checked	JP/LC	02/2025

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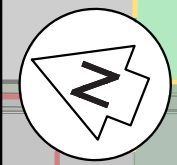
Project
**SUNFIELD DEVELOPMENT
 ARDMORE, AUCKLAND
 SUPERLOT 8 & 9
 FOR SUNFIELD
 DEVELOPMENTS LIMITED**

Title
**PROPOSED
 WASTEWATER
 PLAN OVERVIEW**

Project no.	215010
Scale	1:2000 @ A3
Cad file	215010-S5-C500.DWG
Drawing no.	S5-C500
Rev	A

RESOURCE CONSENT

DATE: 2/25 FILE PATH: F:\MVEN\PROJECTS\215010 - SUNFIELD\DWG\PRODUCTION\ASB\215010-S5-C500.DWG



SL 19

SL 21

SL 9

ROAD 28

ROAD 5

SL 11

SL 10

LEGEND

- EXISTING BDY
- PROPOSED BDY
- SUPERLOT BDY
- EX WASTEWATER
- PR WASTEWATER PRIV
- PR WASTEWATER
- 110
- 140
- 160
- 180
- PR BDY KIT - SINGLE
- PR BDY KIT - DOUBLE
- EX FIRST GAS EASEMENT

FLUSHING POINT

- 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 EARTHFREE 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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 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.

A	RESOURCE CONSENT	AC	02/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	CE		11/2024
Drawn	KNH		01/2025
Checked	JP/IC		02/2025

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Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 8 & 9
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
WASTEWATER
PLAN: SHEET 1

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S5-C500.DWG		
Drawing no.	S5-C500-1	Rev	A

RESOURCE CONSENT

SWALE

EX.FIRSTGAS EASEMENT



SL 21

SL 16

LEGEND

- EXISTING BDY
- PROPOSED BDY
- SUPERLOT BDY
- EX WASTEWATER
- PR WASTEWATER PRIV
- PR WASTEWATER
- PR WASTEWATER BULK
- MAIN (LPS)
- PR BDY KIT - SINGLE
- PR BDY KIT - DOUBLE
- EX FIRST GAS EASEMENT

- 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. 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).
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FLUSHING POINT

ROAD 6

SL 7

ROAD 5

RESOURCE CONSENT

Rev	Description	By	Date
A	RESOURCE CONSENT	AC	02/2025
Survey	SURVEYWORX		02/2021
Design	CE		11/2024
Drawn	KNH		01/2025
Checked	JP/LC		02/2025

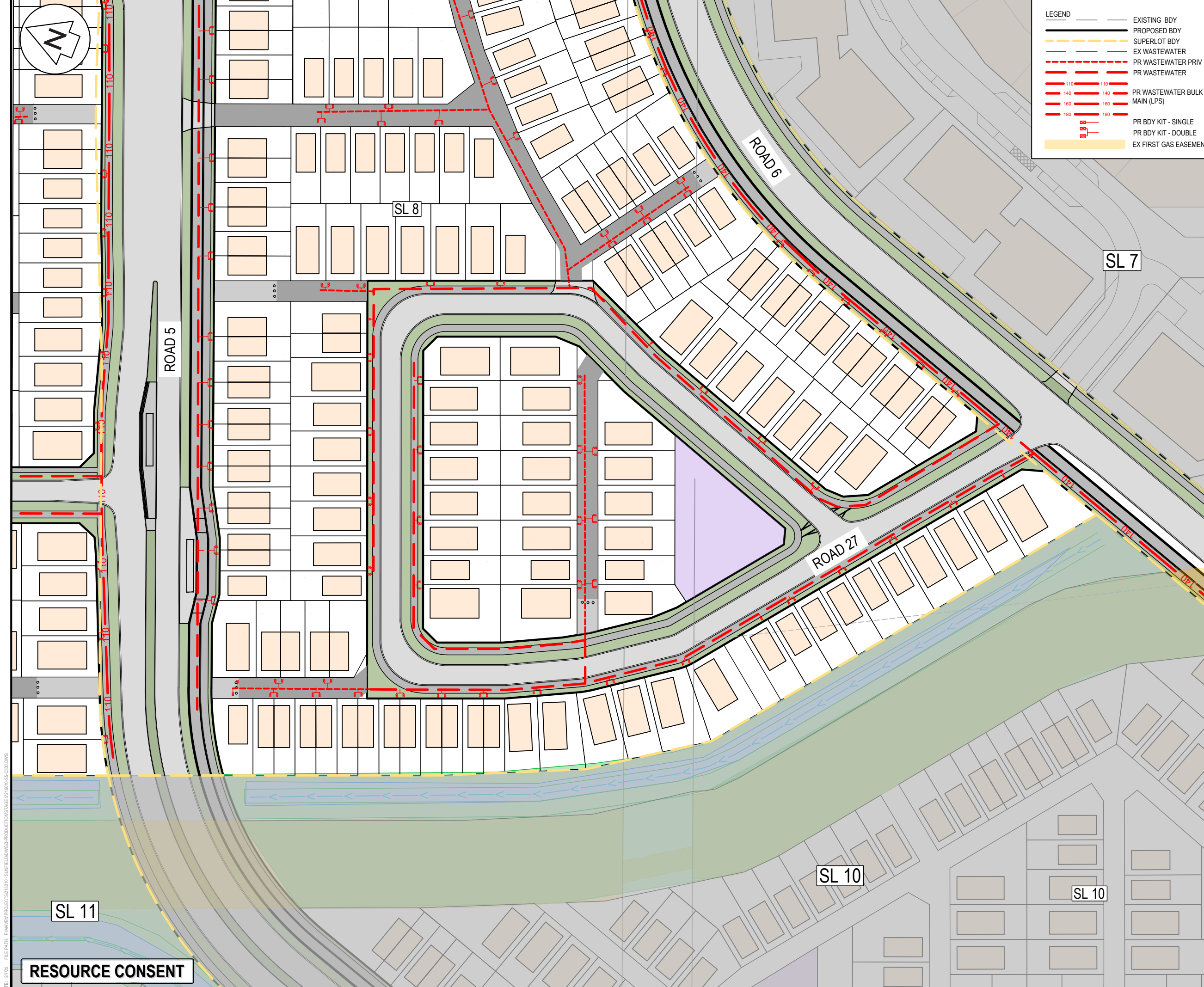
M Maven Associates
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 Auckland 1023

Project
**SUNFIELD DEVELOPMENT
 ARDMORE, AUCKLAND
 SUPERLOT 8 & 9
 FOR SUNFIELD
 DEVELOPMENTS LIMITED**

Title
**PROPOSED
 WASTEWATER
 PLAN: SHEET 2**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S5-C500.DWG
Drawing no.	S5-C500-2
Rev	A

DATE: 2/25 FILE PATH: I:\Maven\PROJECTS\215010-SUNFIELD\WASTEWATER\PRODUCTION\STAGE 5\15010-S5-C500.DWG



LEGEND

- - - - - EXISTING BDY
- — — — PROPOSED BDY
- — — — SUPERLOT BDY
- — — — EX WASTEWATER
- - - - - PR WASTEWATER PRIV
- - - - - PR WASTEWATER
- 110 110 PR WASTEWATER BULK MAIN (LPS)
- 140 140 PR WASTEWATER BULK MAIN (LPS)
- 160 160 PR WASTEWATER BULK MAIN (LPS)
- 180 180 PR WASTEWATER BULK MAIN (LPS)
- PR BDY KIT - SINGLE
- PR BDY KIT - DOUBLE
- EX FIRST GAS EASEMENT

- WASTEWATER NOTES**
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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.

A	RESOURCE CONSENT	AC	02/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	CE		11/2024
Drawn	KNH		01/2025
Checked	JP/LC		02/2025

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Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 8 & 9
FOR SUNFIELD
DEVELOPMENTS LIMITED

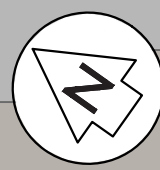
Title
PROPOSED
WASTEWATER
PLAN: SHEET 3

Project no.	215010	Rev	A
Scale	1:1000 @ A3		
Cad file	215010-S5-C500.DWG		
Drawing no.	S5-C500-3		

SL 11

RESOURCE CONSENT

DATE: 2/25 FILE PATH: D:\MVEN\PROJECTS\215010-SUNFIELD\WDR\PRODUCTIONS\PAGE 051010-S5-C500.DWG



SL 19

SL 21

REFER S5-C600-2

REFER S5-C600-1

ROAD 1

ROAD 1

ROAD 6

SL 7

REFER S5-C600-3

SL 9

ROAD 5

ROAD 28

SL 8

ROAD 27

SWALE

SWALE

SL 11

SL 10

- 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 PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
 6. ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
 7. PIPES SHALL BE BEDDED AND SURROUNDED TO 150MM ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
 8. METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150MM ABOVE ALL WATERMAINS.
 9. A YELLOW ISOSCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
 10. ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
 11. ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

LEGEND

---	EX BDY
---	PR BDY
---	SUPERLOT 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	JAW	01/2025
Rev	Description	By	Date
Survey	SURVEYWORK		02/2021
Design	ARS		01/2025
Drawn	ARS		01/2025
Checked	JP/LC		02/2025

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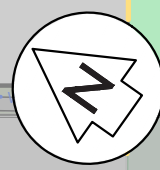
Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 8 & 9
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
WATER SUPPLY
PLAN OVERVIEW

Project no.	215010
Scale	1:2000 @ A3
Cad file	215010-S5-C600.DWG
Drawing no.	S5-C600
Rev	A

RESOURCE CONSENT

DATE: 2/25 FILE PATH: F:\MVEN\PROJECTS\215010 - SUNFIELD\DWG\PRODUCTION\ASB\215010-S5-C600.DWG DP: 4/7911



FIRE HYDRANT

SL 21

ROAD 1

SL 19

- NOTES
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LEGEND

	EX BDY
	PR BDY
	SUPERLOT 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

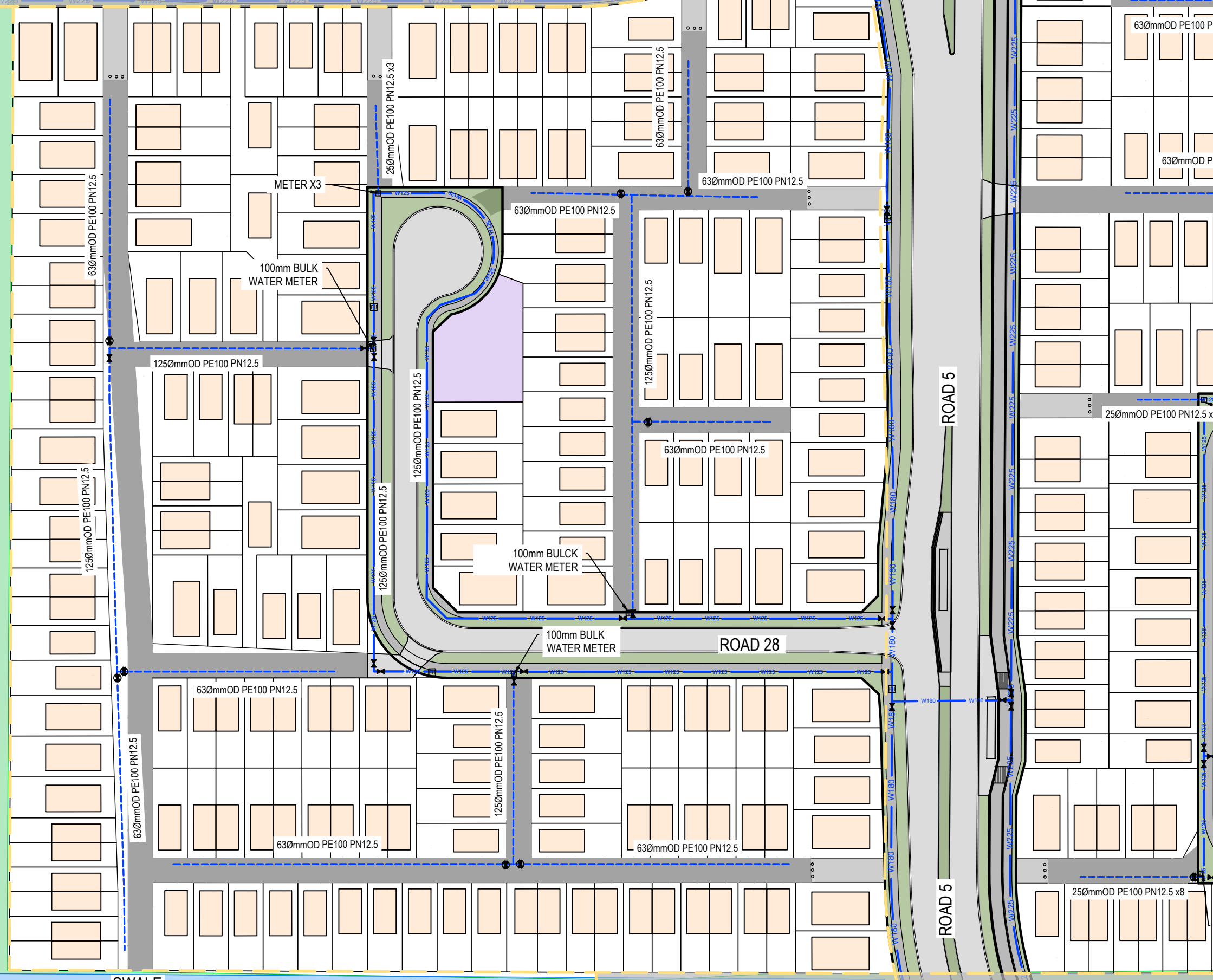
A	RESOURCE CONSENT	JAW	01/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	ARS		01/2025
Drawn	ARS		01/2025
Checked	JP/LC		02/2025

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Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 8 & 9
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
WATER SUPPLY
PLAN: SHEET 1

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S5-C600.DWG
Drawing no.	S5-C600-1
Rev	A



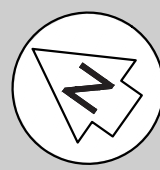
SWALE

SL 11

SL 10

RESOURCE CONSENT

DATE: 2/2/25 FILE PATH: F:\Maven\PROJECT\S215010 - SUNFIELD\DWG\PRODUCTION\STAGE 02\1010_S5-C600.DWG



SL 21

SL 16

ROAD 1

ROAD 6

SL 7

ROAD 1

ROAD 5

630mmOD PE100 PN12.5

630mmOD PE100 PN12.5

630mmOD PE100 PN12.5

1250mmOD PE100 PN12.5

1250mmOD PE100 PN12.5

PE100 PN12.5

- NOTES
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LEGEND

	EX BDY
	PR BDY
	SUPERLOT 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	JAW	01/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	ARS		01/2025
Drawn	ARS		01/2025
Checked	JP/LC		02/2025

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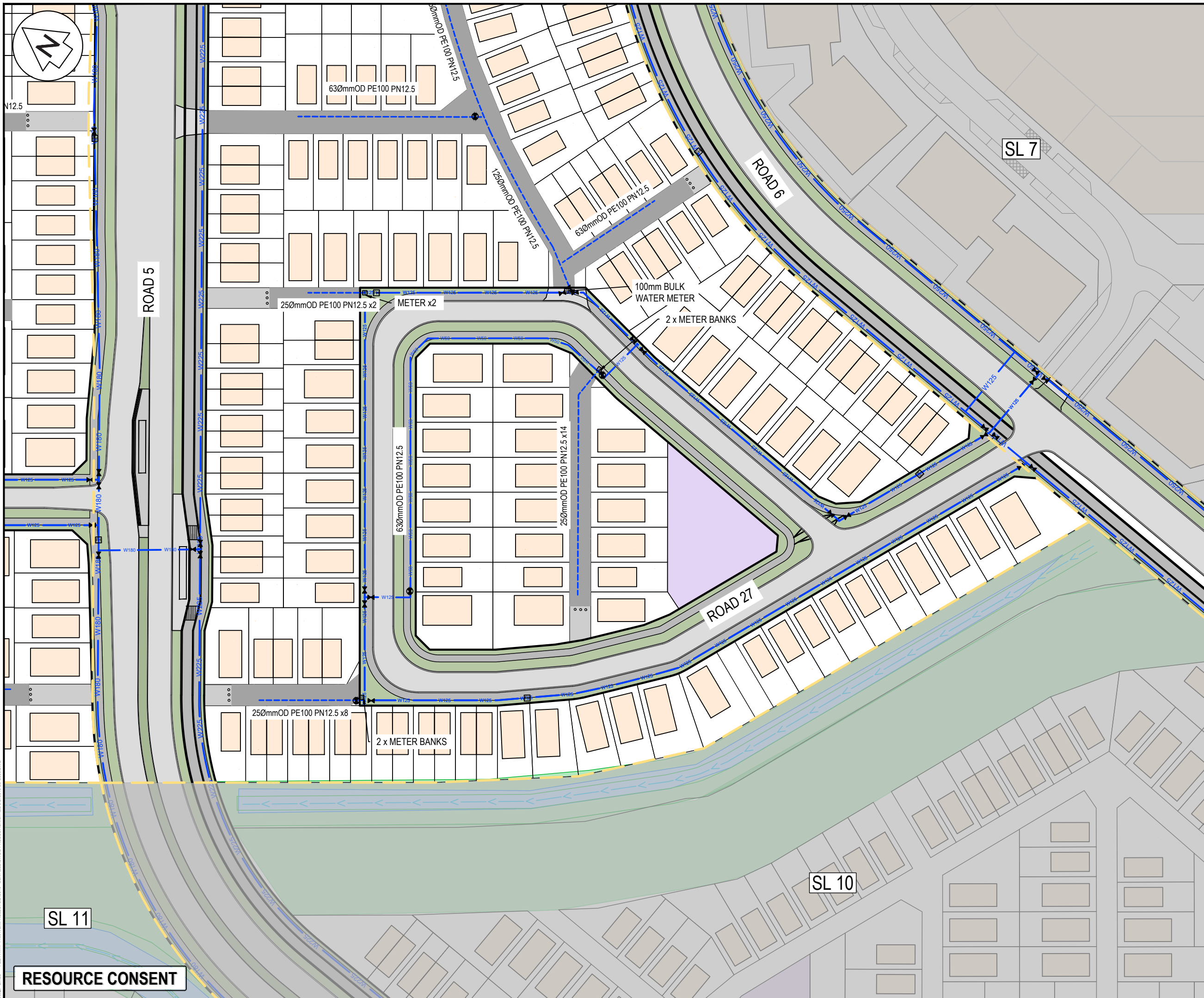
Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 8 & 9
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
WATER SUPPLY
PLAN: SHEET 2

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S5-C600.DWG
Drawing no.	S5-C600-2
Rev	A

DATE: 2/25 FILE PATH: F:\MVEN\PROJECTS\215010 - SUNFIELD\DWG\PRODUCTION\STAGE 2\215010-S5-C600.DWG

RESOURCE CONSENT



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

---	EX BDY
---	PR BDY
---	SUPERLOT 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	JAW	01/2025
Rev	Description	By	Date
Survey	SURVEYWORX		02/2021
Design	ARS		01/2025
Drawn	ARS		01/2025
Checked	JP/LC		02/2025

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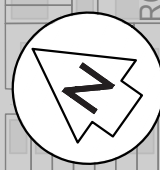
Project
**SUNFIELD DEVELOPMENT
 ARDMORE, AUCKLAND
 SUPERLOT 8 & 9
 FOR SUNFIELD
 DEVELOPMENTS LIMITED**

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

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-SS-C600.DWG
Drawing no.	S5-C600-3
Rev	A

DATE: 2/25 FILE PATH: F:\MVEN\PROJECT\S215010 - SUNFIELD\DWG\PRODUCTION\SS-C600.DWG

RESOURCE CONSENT



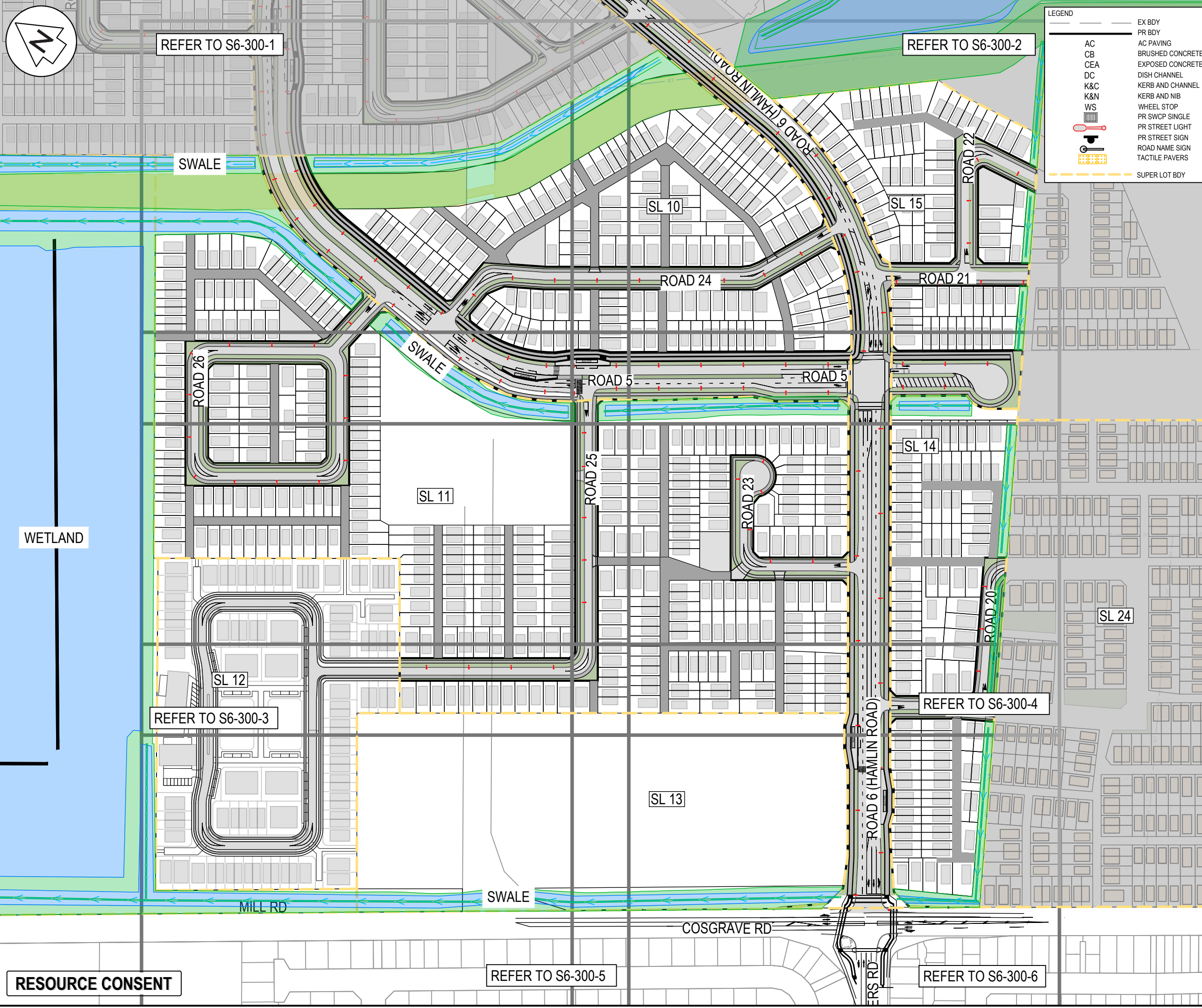
REFER TO S6-300-1

REFER TO S6-300-2

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
	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.



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

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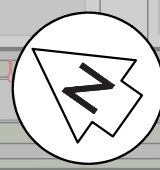
Project
**SUNFIELD DEVELOPMENT
 ARDMORE, AUCKLAND
 SUPERLOT 10 & 11
 FOR SUNFIELD
 DEVELOPMENTS LIMITED**

Title
**PROPOSED
 ROADING
 PLAN OVERVIEW**

Project no.	215010
Scale	1:2500 @ A3
Cad file	215010-S6-C300.DWG
Drawing no.	S6-C300
Rev	A

RESOURCE CONSENT

DATE: 27/25 FILE PATH: \\MAVEN\CONSTRUCTION\CURRENT\MAVEN\PROJECTS\215010 - SUNFIELD\DWG - PRODUCT\ANSI PAGE 02/10/S6-C300.DWG



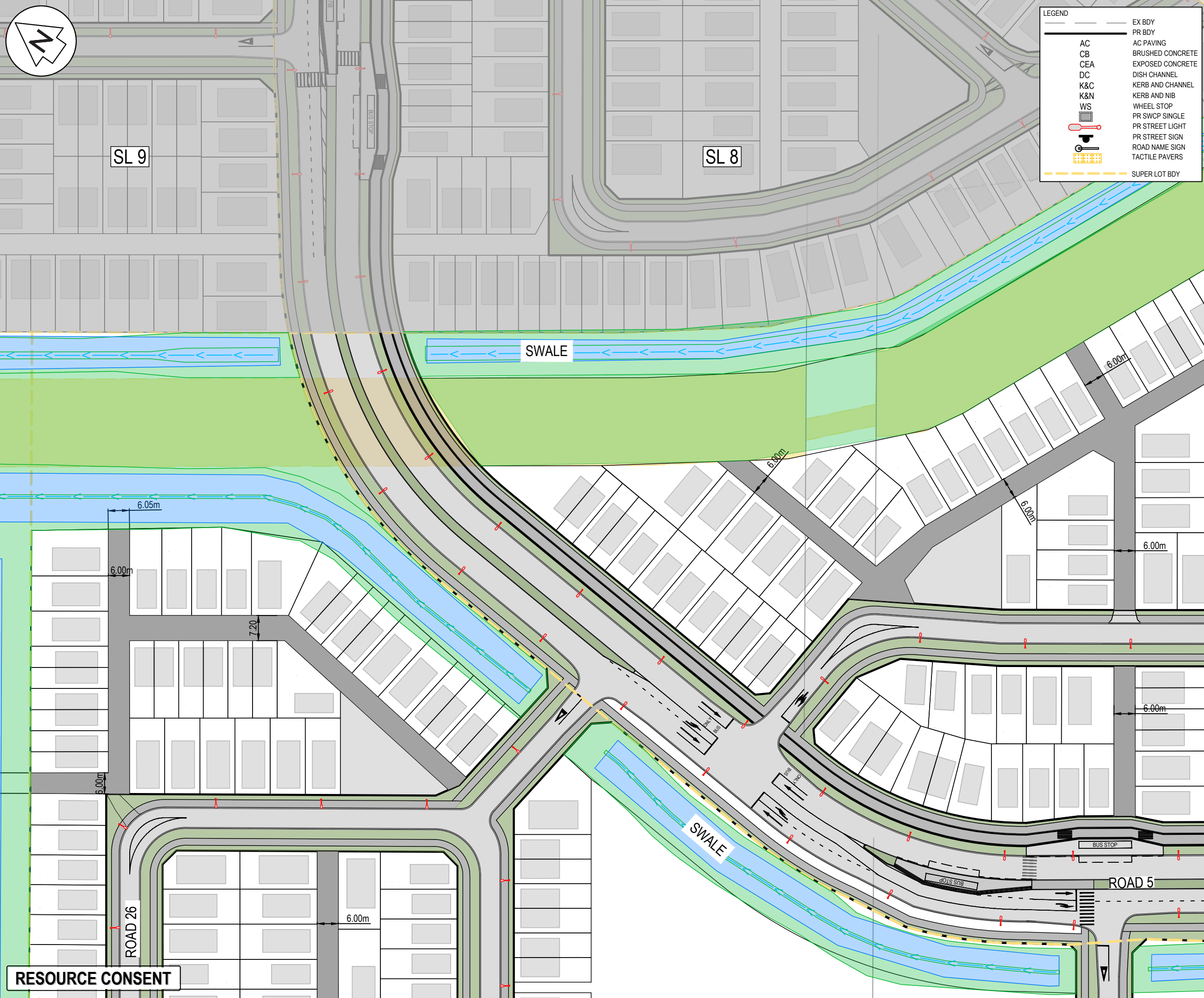
SL 9

SL 8

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
	SUPER LOT BDY

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

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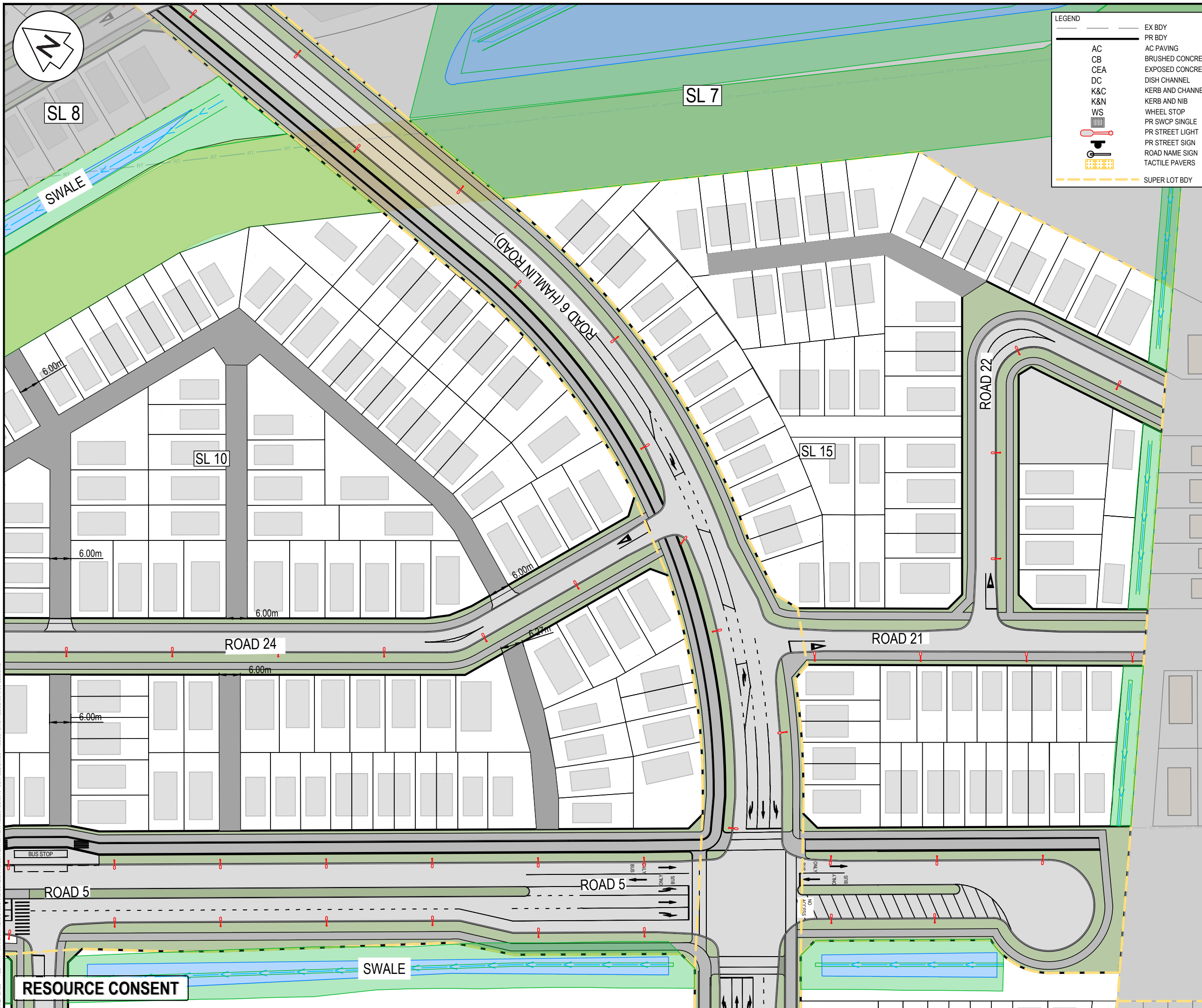
Project
**SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 10 & 11
FOR SUNFIELD
DEVELOPMENTS LIMITED**

Title
**PROPOSED
ROADING
PLAN: SHEET 1**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C300.DWG
Drawing no.	S6-C300-1
Rev	A

RESOURCE CONSENT

DATE: 27/25 FILE PATH: \\MAVEN\CONSULTING\CONSTRUCTION\PROJECTS\215010-SUNFIELD\DWG-PRODUCTS\STAGE 02\1010-S6-C300.DWG



LEGEND

AC	AC PAVING
CB	BRUSHED CONCRETE
CEA	EXPOSED CONCRETE
DC	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
- - - - -	SUPER LOT BDY
- - - - -	EX BDY
- - - - -	PR BDY

- NOTES**
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A	RESOURCE CONSENT	TL	02/2025
Rev	Description	By	Date
Survey	SURVEYWORK		02/2021
Design	YC		11/2024
Drawn	DJ		11/2024
Checked	JP/LC		02/2025

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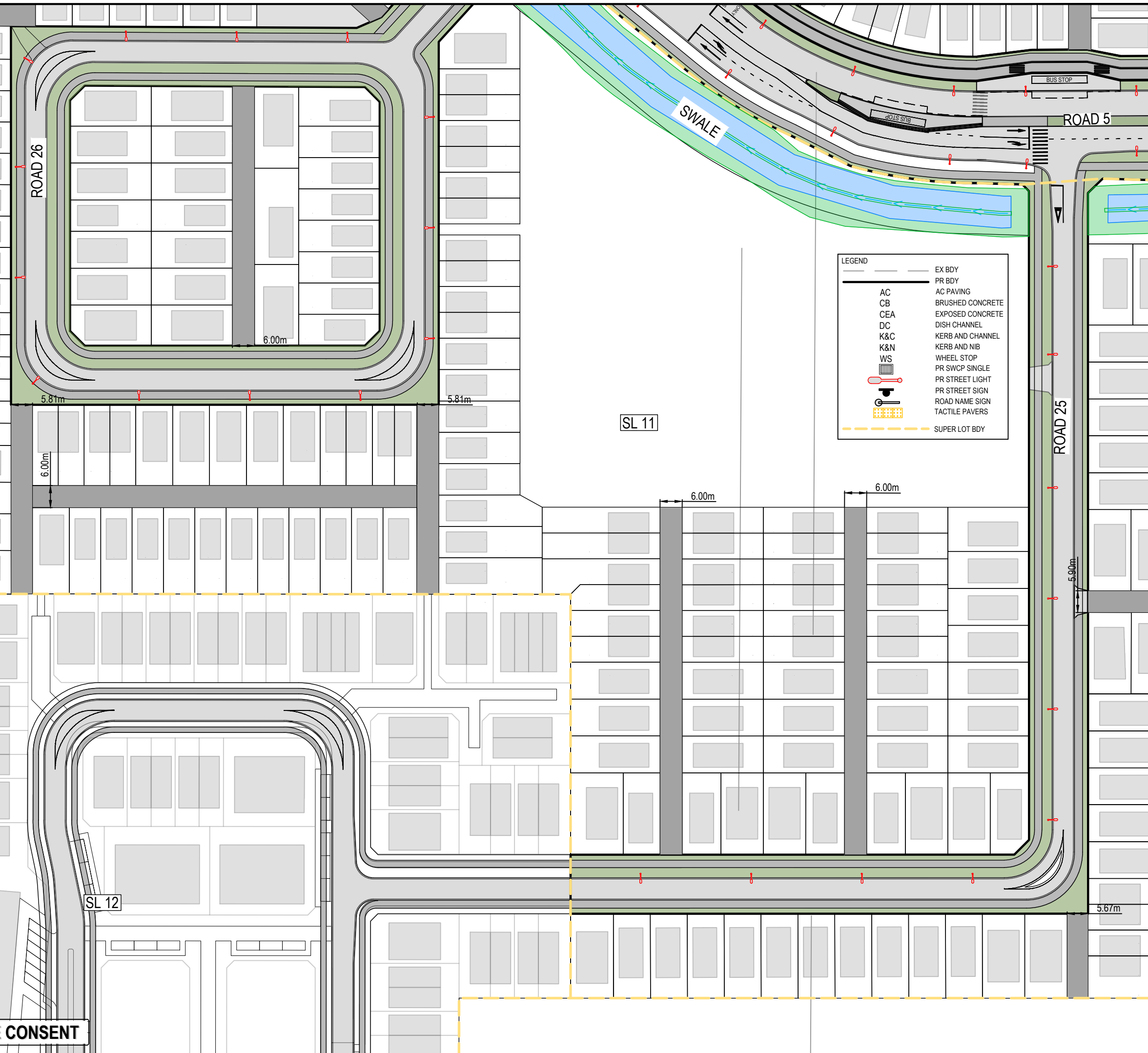
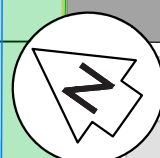
Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 10 & 15
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
ROADING
PLAN: SHEET 2

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C300.DWG
Drawing no.	S6-C300-2
Rev	A

DATE: 27/25 FILE PATH: \\MAVEN\CONSTRUCTING\CURRENT\MAVEN\SUNFIELD\RDG\PRODUCTS\STAGE 02\1010\S6-C300.DWG

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
---	TACTILE PAVERS
---	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%.
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 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.

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

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 Auckland 1023

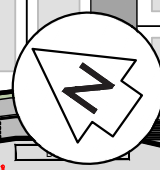
Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 11 & 12
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
ROADING
PLAN: SHEET 3

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C300.DWG
Drawing no.	S6-C300-3
Rev	A

RESOURCE CONSENT

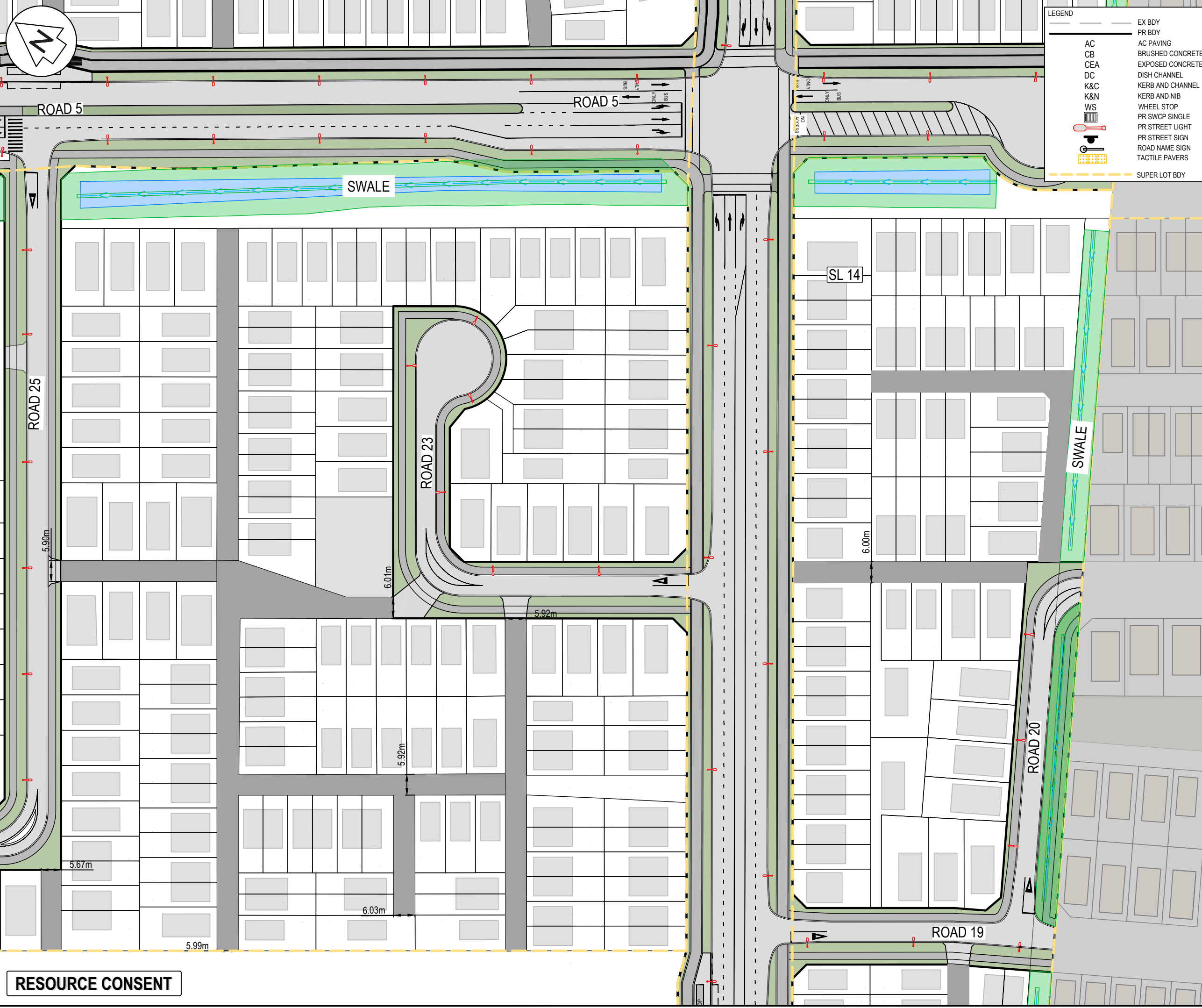
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LEGEND

AC	AC PAVING
CB	BRUSHED CONCRETE
CEA	EXPOSED CONCRETE
DC	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
---	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
---	SUPER LOT BDY

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

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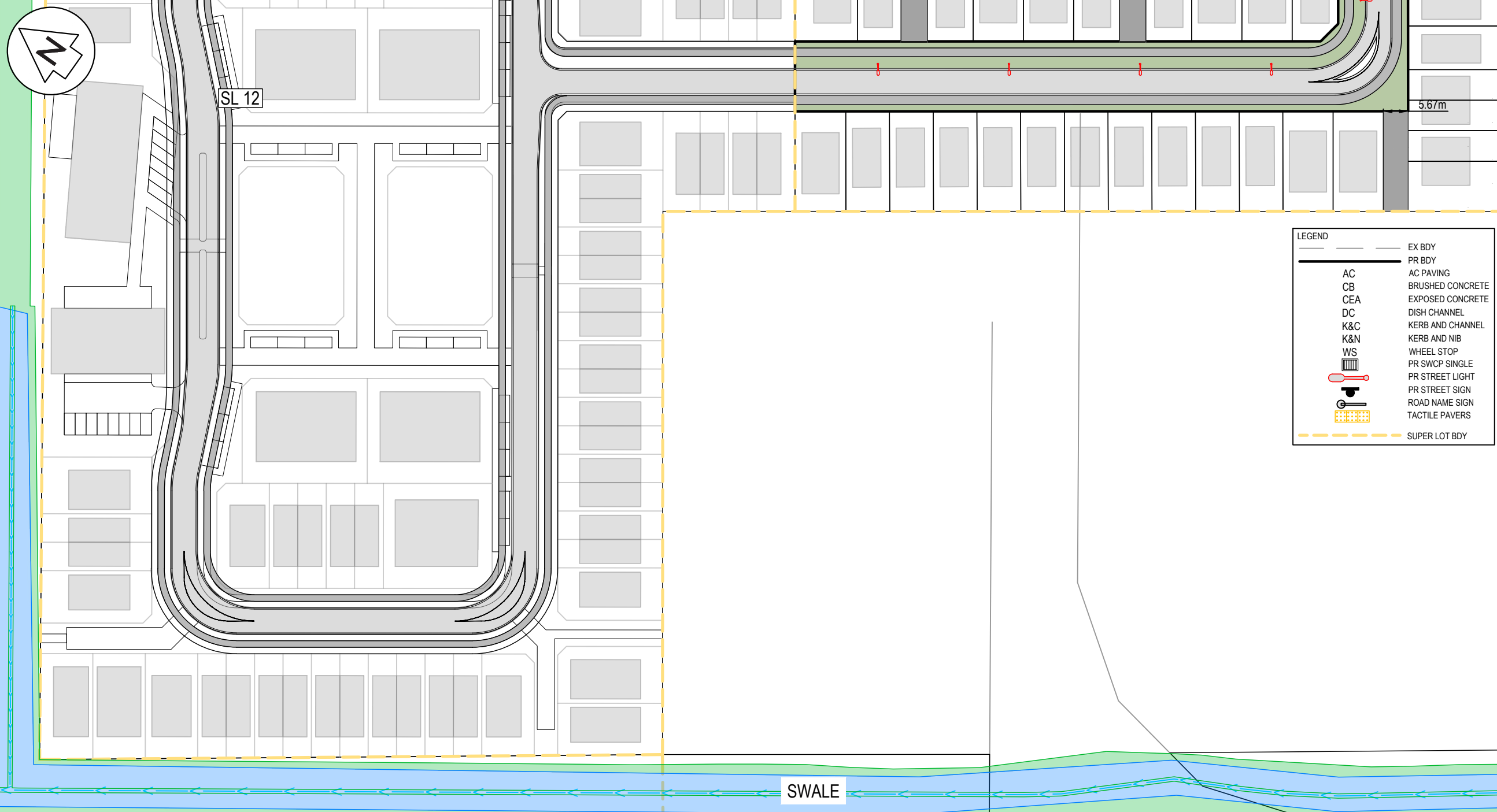
Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 11 & 14
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
ROADING
PLAN: SHEET 4

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C300.DWG
Drawing no.	S6-C300-4
Rev	A

RESOURCE CONSENT

DATE: 2/25 FILE PATH: \\MAVEN\CONSTRUCTING\CURRENT\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\PRODUCT\STAGE 6\215010-S6-C300.DWG



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
---	SUPER LOT BDY

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

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

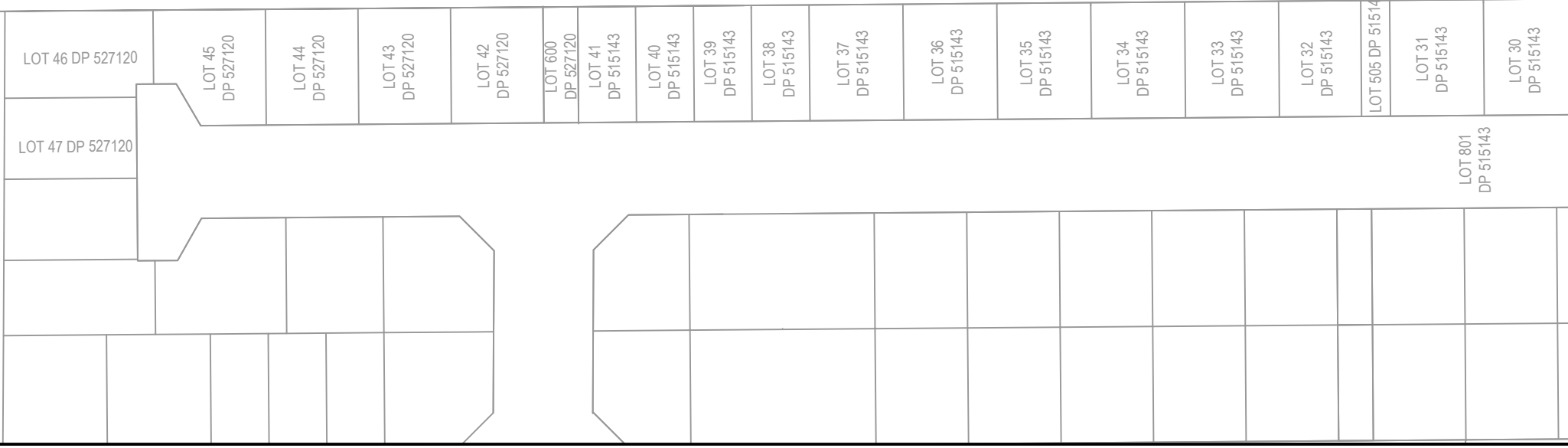
Title
**PROPOSED
 ROADING
 PLAN: SHEET 5**

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C300.DWG
Drawing no.	S6-C300-5
Rev	A

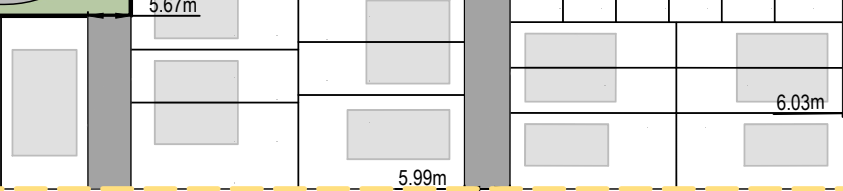
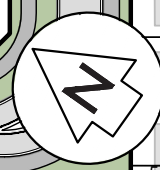
MILL RD

SWALE

RESOURCE CONSENT



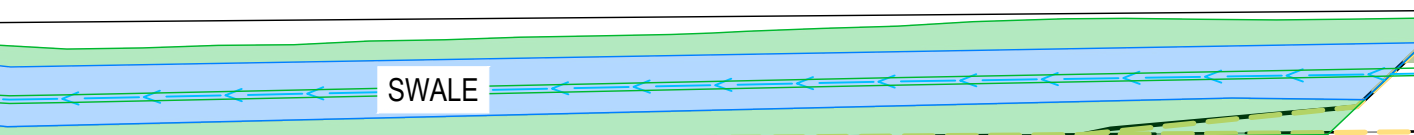
DATE: 27/25 FILE PATH: \\MAVEN\MAVENCONSULTING\CONSTRUCTION\PROJECTS\215010-SUNFIELD\DWG-PRODUCTS\STAGE 04\215010-S6-C300.DWG



LEGEND

AC	AC PAVING
CB	BRUSHED CONCRETE
CEA	EXPOSED CONCRETE
DC	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
	SUPER LOT BDY
	EX BDY
	PR BDY

SL 13

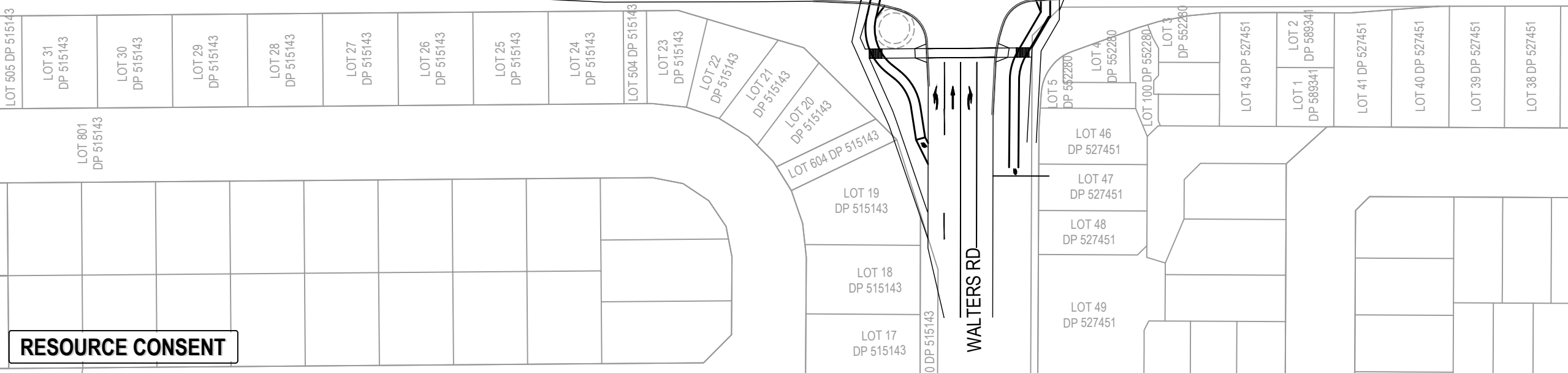


COSGRAVE RD

ROAD 6 (HAMLIN ROAD)

ROAD 19

WALTERS RD



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Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 13 & 14
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
ROADING
PLAN: SHEET 6

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S6-C300.DWG
Drawing no.	S6-C300-6
Rev	A

RESOURCE CONSENT

DATE: 2/25 FILE PATH: \\MAVEN\WORKING\CONSULTING\CURRENT\MAVEN\PROJECTS\215010 - SUNFIELD DEV\PRODUCT\STAGE 6\215010-S6-C300.DWG