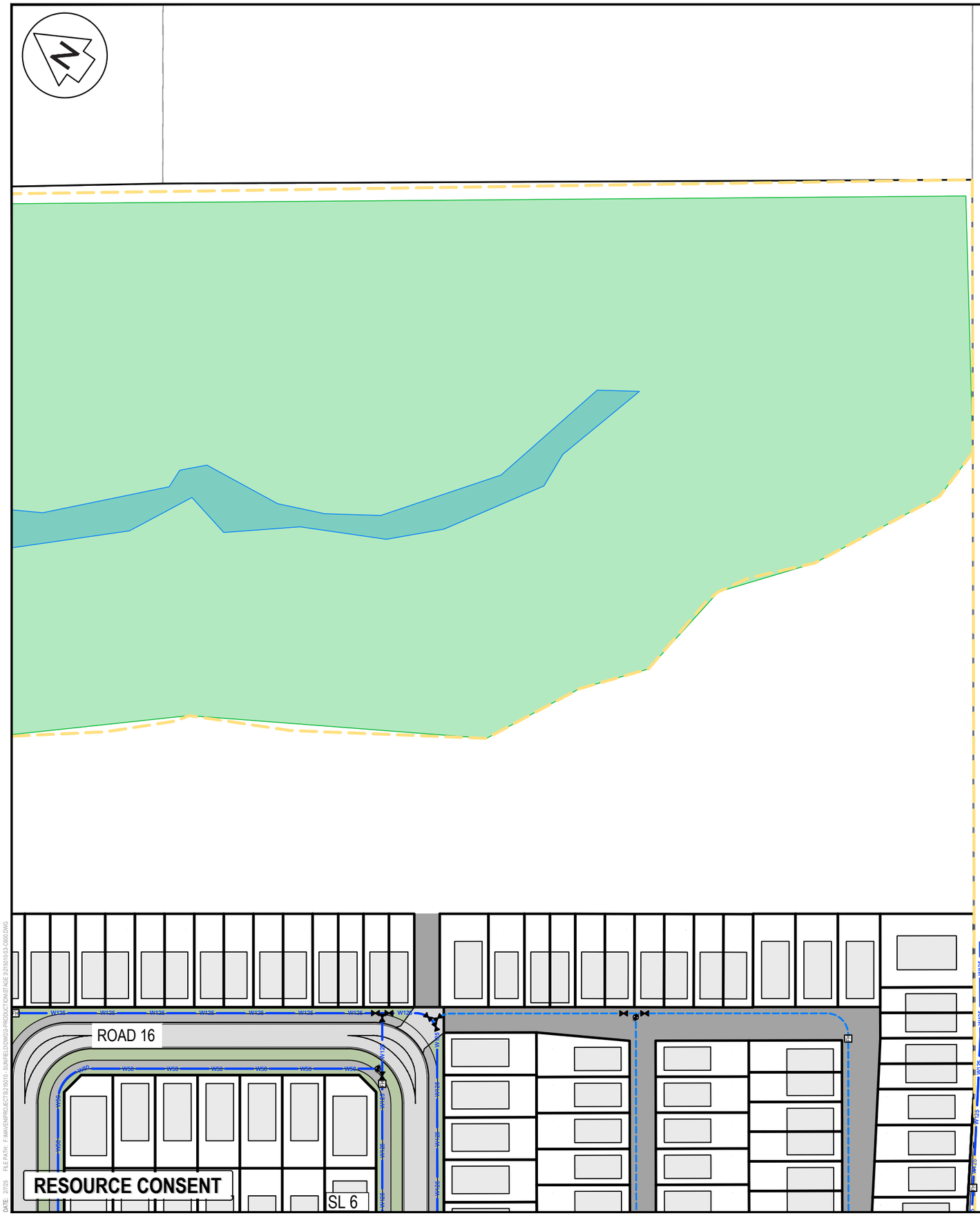


NOTES

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
- PR SUPERLOT BDY
- EX WATERMAIN
- PR WATERMAIN
- PR WATER PRIVATE
- FH EX/PR HYDRANT
- WM EX/PR METER
- EX SLUICE VALVE
- EX PEET VALVE
- PR SLUICE VALVE
- PR PEET VALVE

Rev	Description	By	Date
A	RESOURCE CONSENT	GT/TH	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	GT/TH	01/2025
Drawn	GT/TH	01/2025
Checked	DJM	02/2025

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Project

SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 22
FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED WATER SUPPLY PLAN: SHEET 3

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S3-C600.DWG
Drawing no.	S3-C600-3 Rev A

DATE: 27/05 FILE PATH: P:\MAVEN\PROJECTS\215010 - SUNFIELD\WD\3-PRODUCTION\STAGE 3\215010-S3-C600.DWG

SL 16

6x25OD PE80B
PN12.5 SDR 11
LOT CONNECTIONS

ROAD 1

BUS STOP

BUS STOP

BUS STOP

BUS STOP

ONLY

BUS

6x25OD PE80B
PN12.5 SDR 11
LOT CONNECTIONS

ROAD 18

6x25OD PE80B
PN12.5 SDR 11
LOT CONNECTIONS

SL 7

4x25OD PE80B
PN12.5 SDR 11
LOT CONNECTIONS

VECTOR GAS TRANSMISSION EASEMENT

RESOURCE CONSENT

DATE: 2/7/25 FILE PATH: F:\MAVEN\PROJECTS\215010 SUNFIELD\DWG\PRODUCTION\STAGE 2\215010-S3-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.
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
- PR SUPERLOT BDY
- EX WATERMAIN
- PR WATERMAIN
- PR WATER PRIVATE
- FH EX/PR HYDRANT
- WM EX/PR METER
- EX SLUICE VALVE
- EX PEET VALVE
- PR SLUICE VALVE
- PR PEET VALVE

Rev	Description	By	Date
A	RESOURCE CONSENT	GT/TH	02/2025

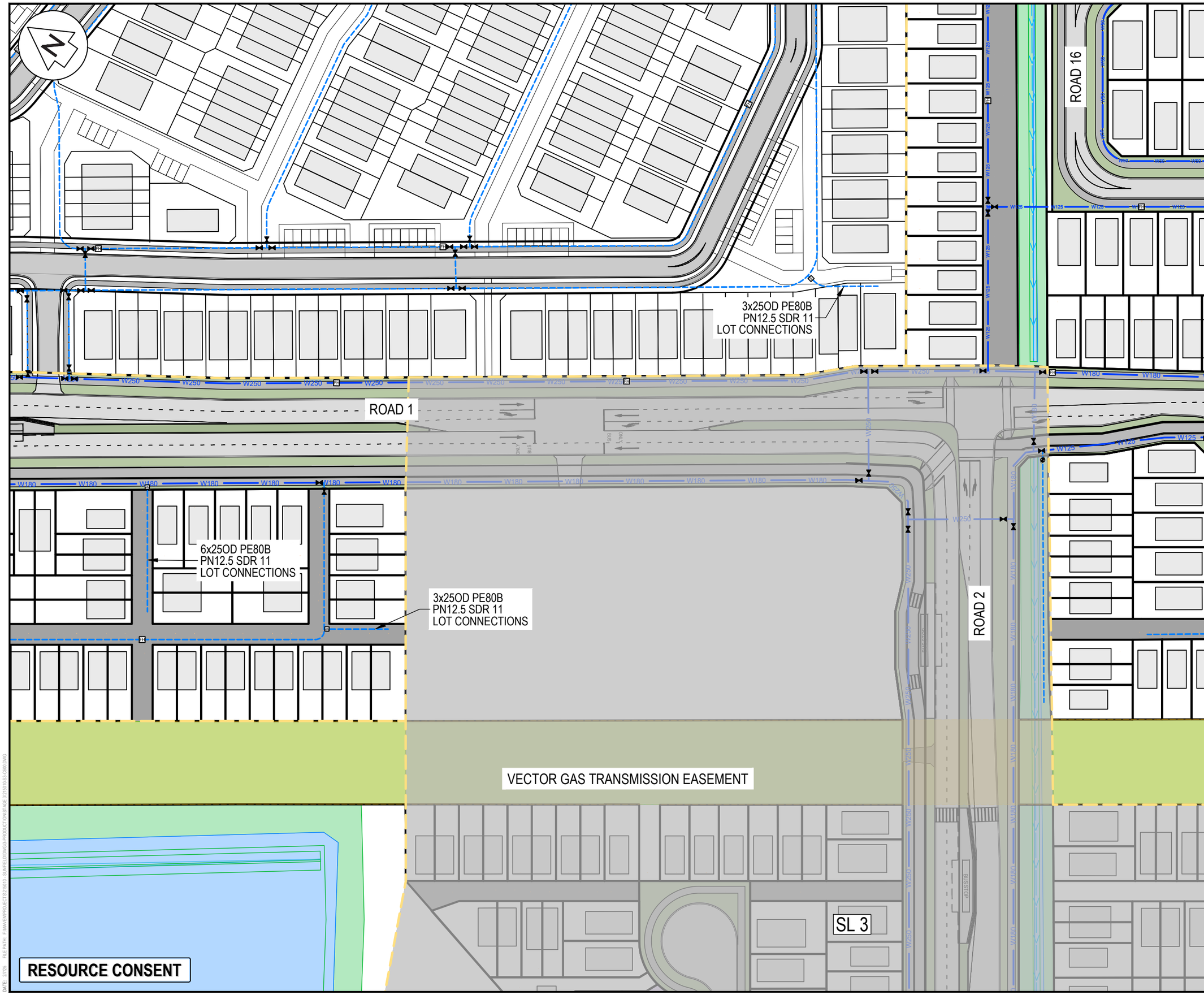
	By	Date
Survey	SURVEYWORX	02/2021
Design	GT/TH	01/2025
Drawn	GT/TH	01/2025
Checked	DJM	02/2025

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Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 4, 5 & 6
FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED WATER SUPPLY PLAN: SHEET 4

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S3-C600.DWG
Drawing no.	S3-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:
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   - 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.
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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
- PR SUPERLOT BDY
- EX WATERMAIN
- PR WATERMAIN
- PR WATER PRIVATE
- FH EX/PR HYDRANT
- WM EX/PR METER
- EX SLUICE VALVE
- EX PEET VALVE
- PR SLUICE VALVE
- PR PEET VALVE

Rev	Description	By	Date
A	RESOURCE CONSENT	GT/TH	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	GT/TH	01/2025
Drawn	GT/TH	01/2025
Checked	DJM	02/2025

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Project

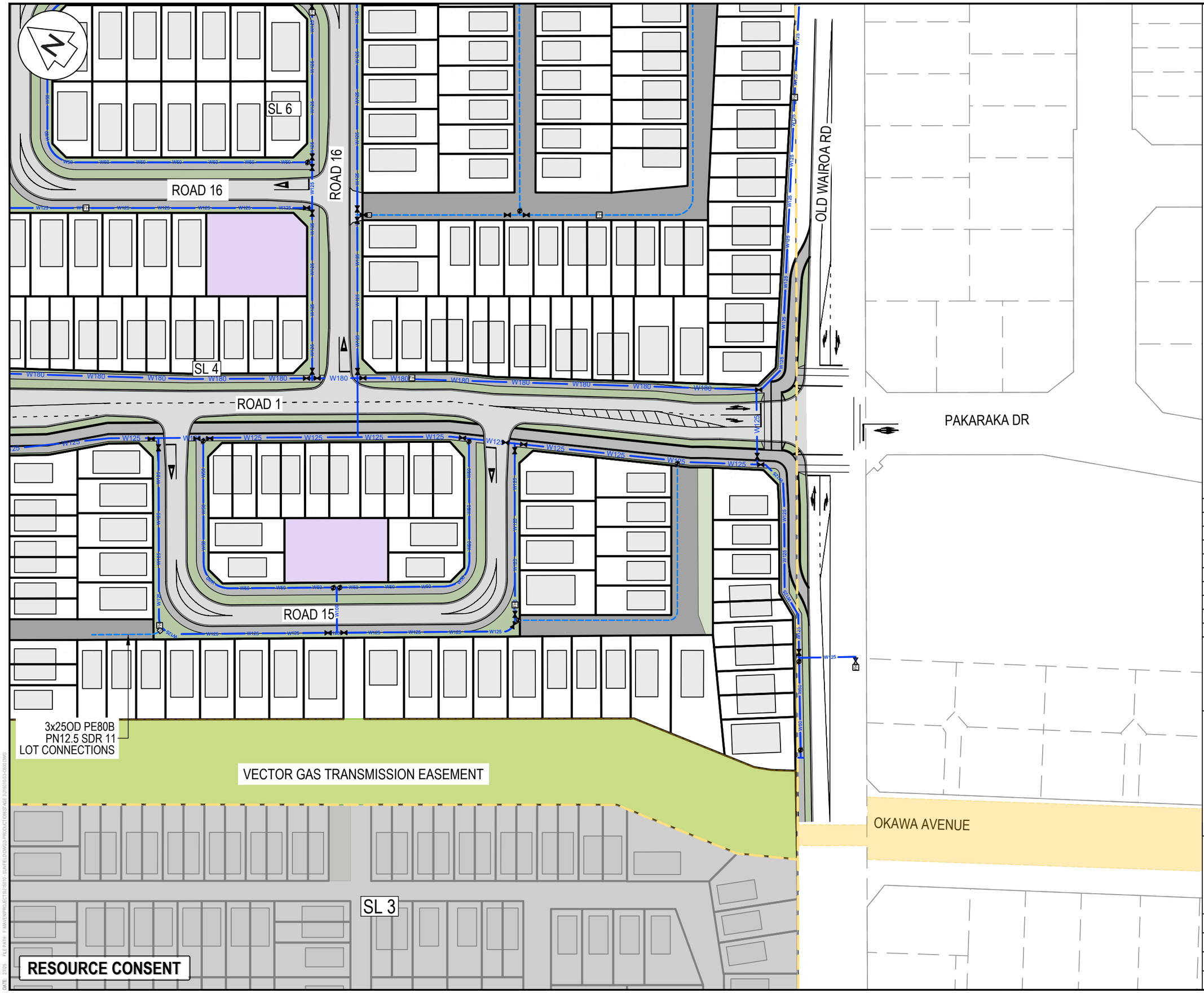
SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 4, 5, 6 & 22 FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED WATER SUPPLY PLAN: SHEET 5

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S3-C600.DWG
Drawing no.	S3-C600-5 Rev A

DATE: 2/7/25 FILE PATH: F:\MAVEN\PROJECTS\215010_SUNFIELD\DWGS\PRODUCTION\STAGE 3\215010-S3-C600.DWG



NOTES

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   - BERMS 600mm
   - SERVICE CONNECTIONS: 450mm
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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.
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12. ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

LEGEND

- EX BDY
- PR BDY
- PR SUPERLOT BDY
- EX WATERMAIN
- PR WATERMAIN
- PR WATER PRIVATE
- EX/PR HYDRANT
- EX/PR METER
- EX SLUICE VALVE
- EX PEET VALVE
- PR SLUICE VALVE
- PR PEET VALVE

Rev	Description	By	Date
A	RESOURCE CONSENT	GT/TH	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	GT/TH	01/2025
Drawn	GT/TH	01/2025
Checked	DJM	02/2025

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Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 22
FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED WATER SUPPLY PLAN: SHEET 6

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S3-C600.DWG		
Drawing no.	S3-C600-6	Rev	A

DATE: 2/0/25 FILE PATH: P:\MAVEN\PROJECTS\215010 - SUNFIELD\DWGS-PRODUCTION\STAGE 3\215010-S3-C600.DWG

3x25OD PE80B
PN12.5 SDR 11
LOT CONNECTIONS

VECTOR GAS TRANSMISSION EASEMENT

ROAD 18

SL 7

SL 5

SL 3

ROAD 10

ROAD 12

RESOURCE CONSENT

NOTES

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

- EX BDY
- PR BDY
- PR SUPERLOT BDY
- EX WATERMAIN
- PR WATERMAIN
- PR WATER PRIVATE
- FH EX/PR HYDRANT
- WM EX/PR METER
- EX SLUICE VALVE
- EX PEET VALVE
- PR SLUICE VALVE
- PR PEET VALVE

Rev	Description	By	Date
A	RESOURCE CONSENT	GT/TH	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	GT/TH	01/2025
Drawn	GT/TH	01/2025
Checked	DJM	02/2025

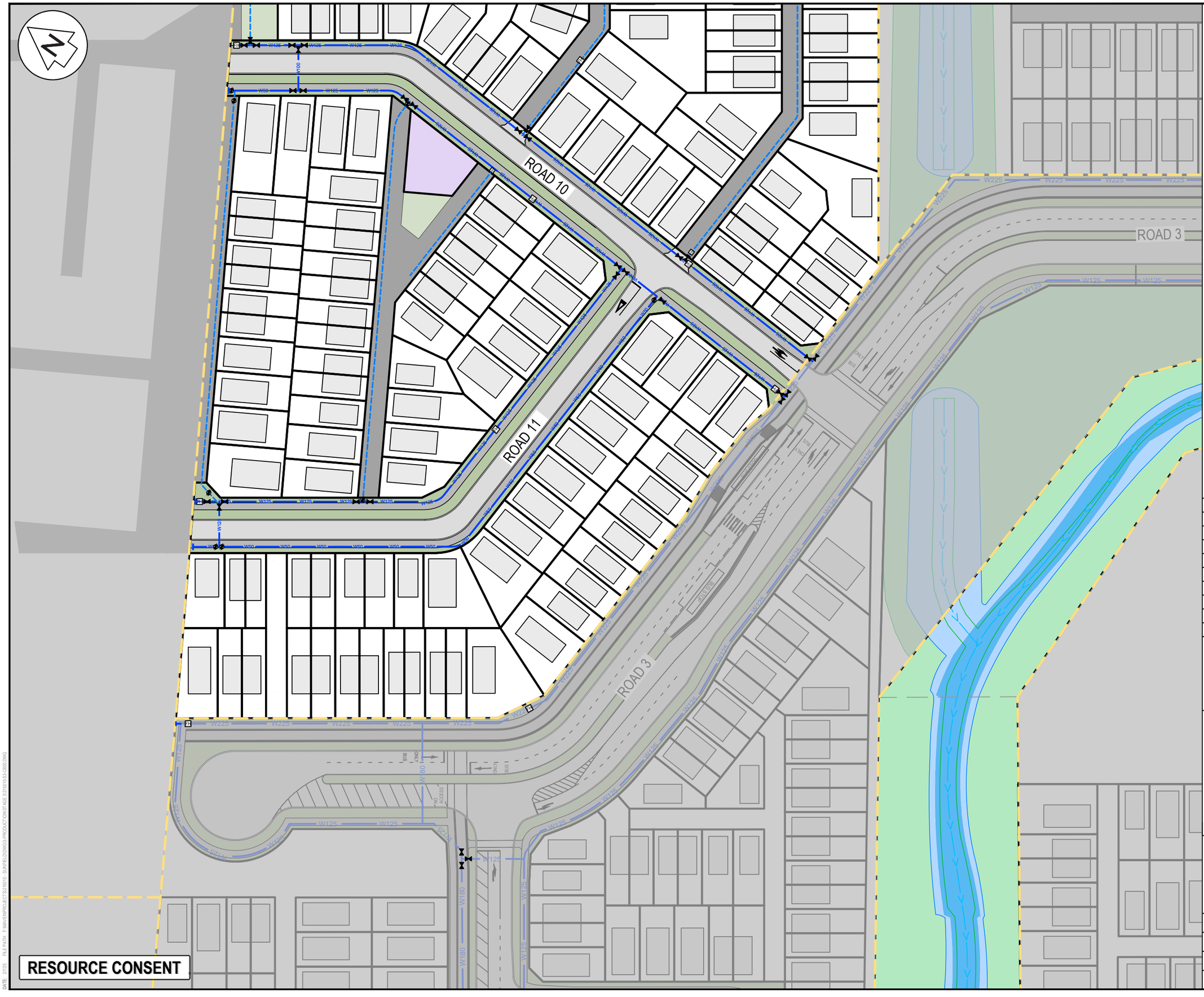
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Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 4 & 5
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
WATER SUPPLY
PLAN: SHEET 7

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S3-C600.DWG
Drawing no.	S3-C600-7 Rev A

DATE: 2/25 FILE PATH: F:\MAVEN\PROJECTS\215010 SUNFIELD\DWG\3-PRODUCTION\STAGE 2\215010-S3-C600.DWG



NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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3. MINIMUM COVER SHALL BE:
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   - SERVICE CONNECTIONS: 450mm
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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
- PR SUPERLOT BDY
- EX WATERMAIN
- PR WATERMAIN
- PR WATER PRIVATE
- EX/PR HYDRANT
- EX/PR METER
- EX SLUICE VALVE
- EX PEET VALVE
- PR SLUICE VALVE
- PR PEET VALVE

Rev	Description	By	Date
A	RESOURCE CONSENT	GT/TH	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	GT/TH	01/2025
Drawn	GT/TH	01/2025
Checked	DJM	02/2025

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Project

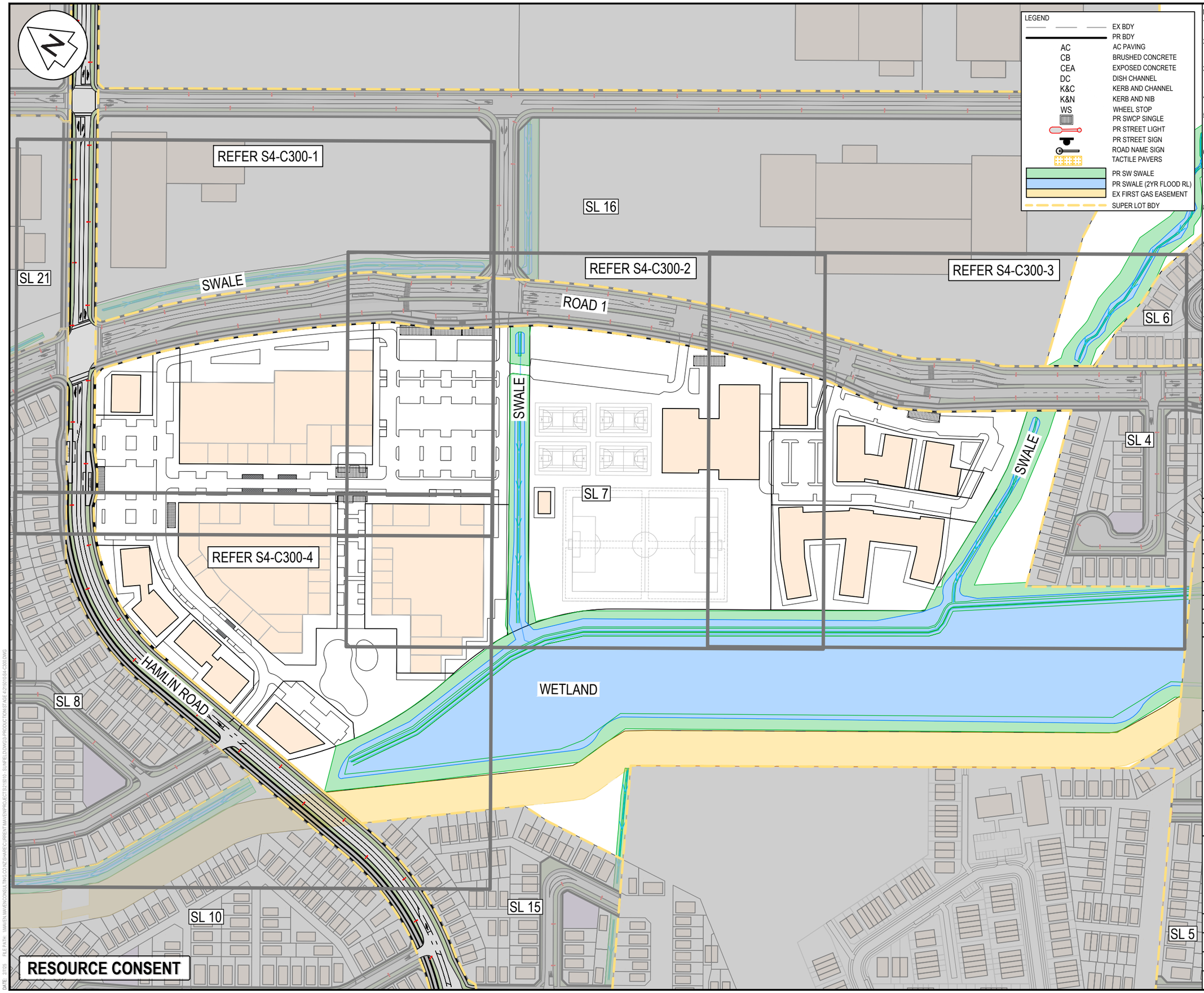
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 5
FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED WATER SUPPLY PLAN: SHEET 8

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S3-C600.DWG		
Drawing no.	S3-C600-8	Rev	A

DATE: 2/7/25 FILE PATH: F:\MAVEN\PROJECTS\215010_SUNFIELD\DWGS\PRODUCTION\STAGE 2\215010-S3-C600.DWG



LEGEND

	EX BDY
	PR BDY
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
	PR SW SWALE
	PR SWALE (2YR FLOOD RL)
	EX FIRST GAS EASEMENT
	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.

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	YC	11/2024
Drawn	DJ	11/2024
Checked	JP/LC	02/2025

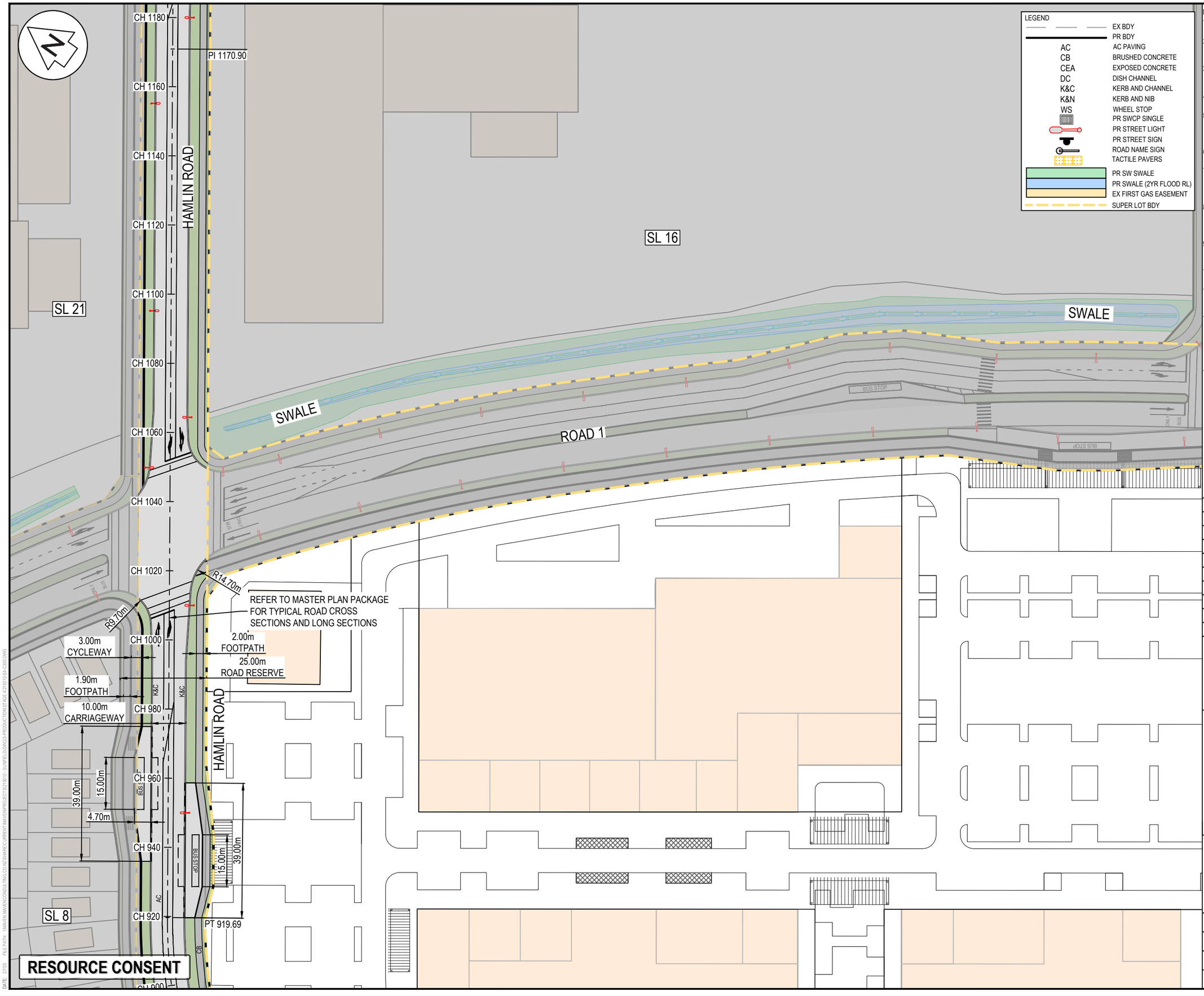
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Project
SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 7 FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED ROADING OVERVIEW

Project no.	215010
Scale	1:2500 @ A3
Cad file	215010-S4-C300.DWG
Drawing no.	S4-C300-0 Rev A

DATE: 2/7/25 FILE PATH: MAVEN/MAVEN CONSULTING CO NZ/SHARED/CURRENT MAVEN PROJECTS/215010 - SUNFIELD/WORKS PRODUCTION/CAD FILES/215010-S4-C300.DWG



RESOURCE CONSENT

DATE: 2/02/25 FILE PATH: M:\MAVEN CONSULTING CO NZ\SHARED_PROJECTS\215010 - SUNFIELD\DWGS\PRODUCTION\STAGE 6\215010-S4-C300.DWG

NOTES

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

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	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 7
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title

PROPOSED
ROADING
PLAN: SHEET 1

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S4-C300.DWG		
Drawing no.	S4-C300-1	Rev	A

SWALE

SL 16

ROAD 1

BUS STOP

PROPOSED COMMERCIAL VEHICLE CROSSING

PROPOSED COMMERCIAL VEHICLE CROSSING

SWALE

WETLAND

RESOURCE CONSENT

LEGEND

	EX BDY
	PR BDY
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
	PR SW SWALE
	PR SWALE (2YR FLOOD RL)
	EX FIRST GAS EASEMENT
	SUPER LOT BDY

NOTES

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

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	YC	11/2024
Drawn	DJ	11/2024
Checked	JP/LC	02/2025

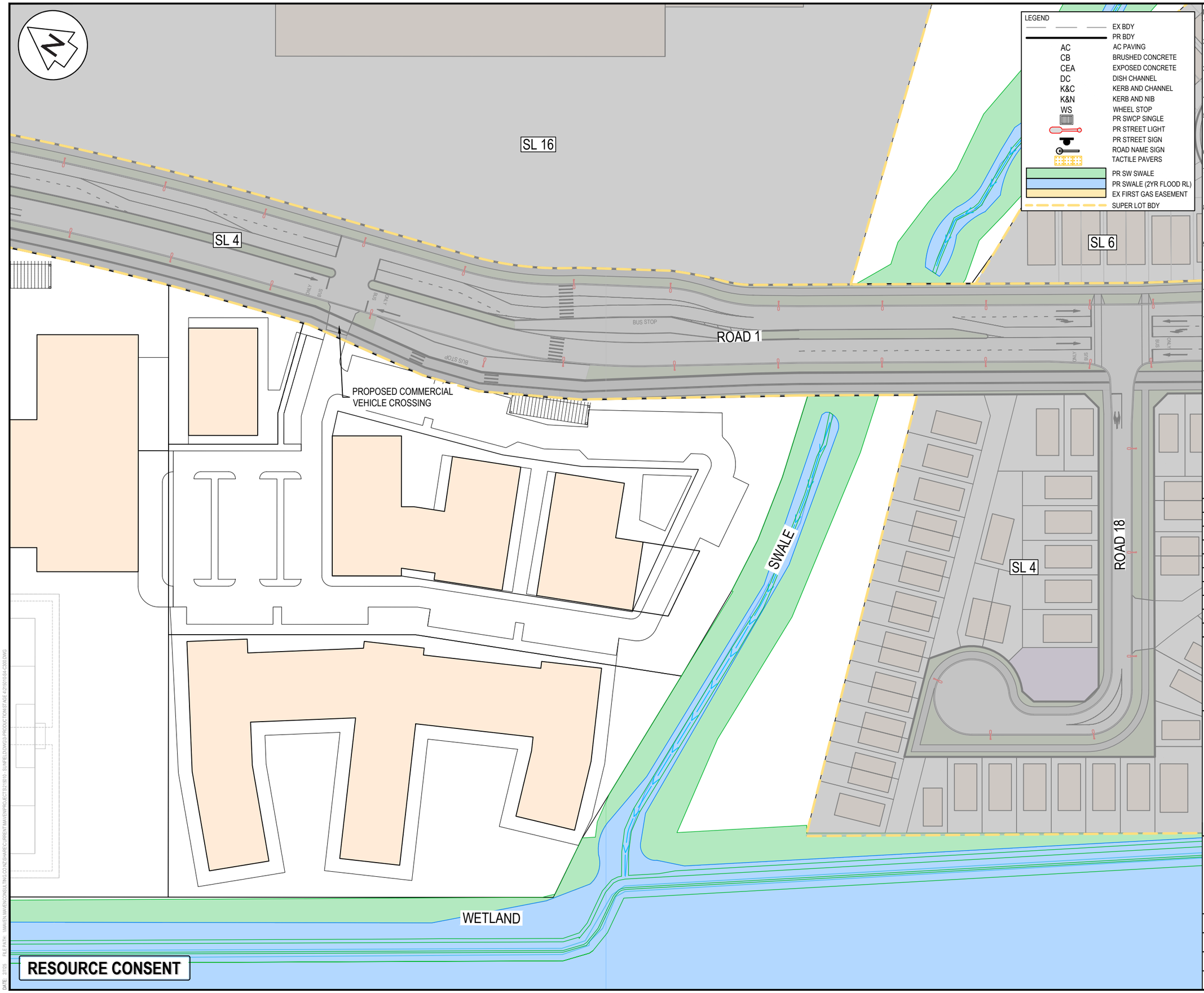
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5 Owens Road, Epsom
Auckland 1023

Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 7
FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED ROADING PLAN: SHEET 2

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S4-C300.DWG		
Drawing no.	S4-C300-2	Rev	A

DATE: 2/25 FILE PATH: I:\MAVEN\MAVEN CONSULTING CO.NZ\CHAVEC\CURRENT\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 4\215010-S4-C300.DWG



NOTES

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

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	YC	11/2024
Drawn	DJ	11/2024
Checked	JP/LC	02/2025

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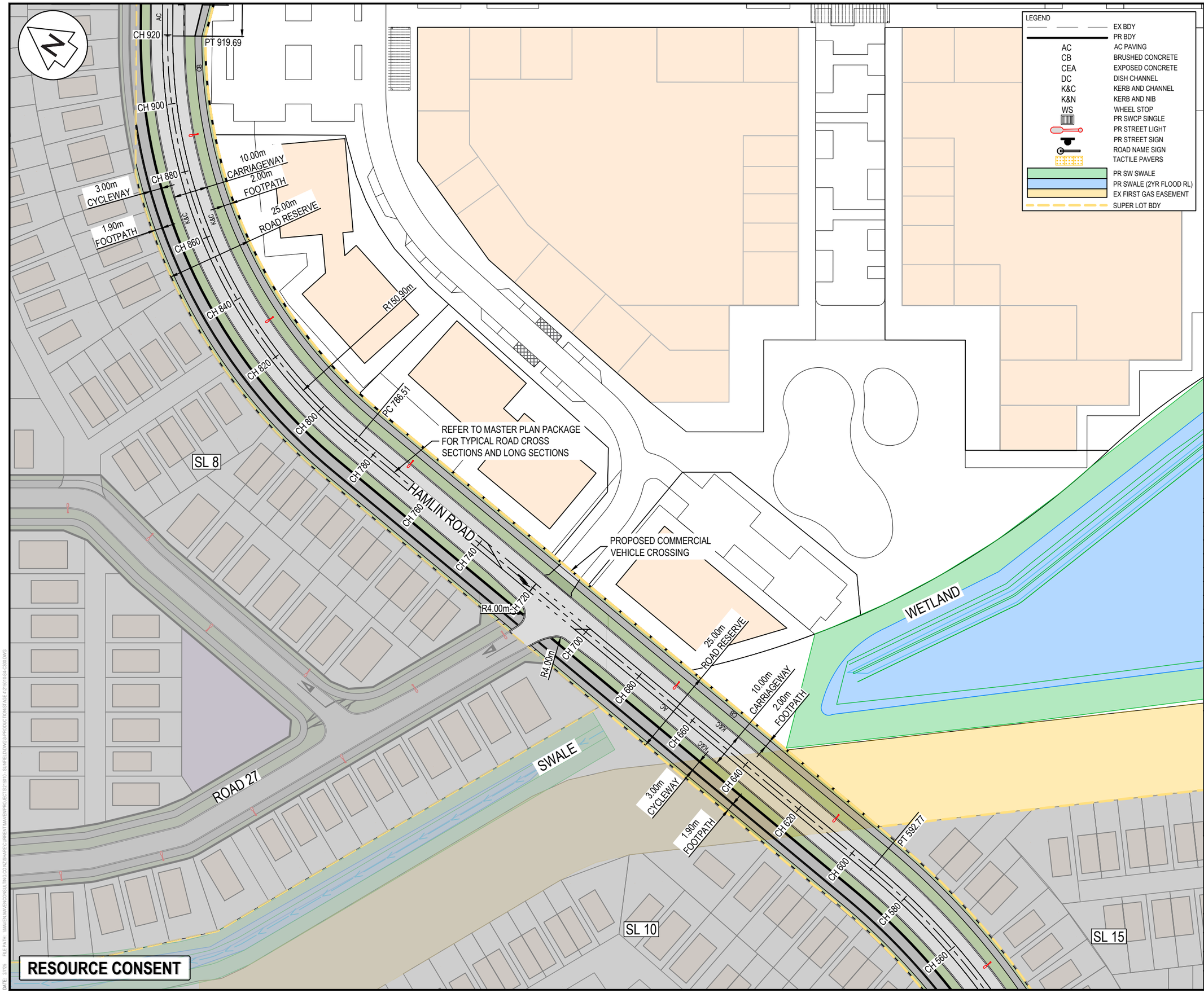
Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 7
FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED ROADING PLAN: SHEET 3

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S4-C300.DWG		
Drawing no.	S4-C300-3	Rev	A

RESOURCE CONSENT

DATE: 2/7/25 FILE PATH: I:\MAVEN MAVEN\CONSULTING\CONZ\SHARE\CURRENT\MAVENPROJECT\215010 - SUNFIELD\DWGS\PRODUCTION\STAGE 4\215010-S4-C300.DWG



LEGEND

- EX BDY
- PR BDY
- 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
- PR SW SWALE
- PR SWALE (2YR FLOOD RL)
- EX FIRST GAS EASEMENT
- SUPER LOT BDY

NOTES

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Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	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 7 FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED ROADING PLAN: SHEET 4

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C300.DWG
Drawing no.	S4-C300-4 Rev A

DATE: 2/7/25 FILE PATH: I:\MAVEN\MAVEN CONSULTING CO.NZ\SHARED\CURRENT MAVEN PROJECTS\215010 - SUNFIELD\DWG\0-PRODUCTION\STAGE 2\215010-S4-C300.DWG

SL 16

SL 21

REFER S4-C400-1

REFER S4-C400-2

REFER S4-C400-3

SWALE

ROAD 1

SL 6

SWALE

SL 7

SWALE

SL 4

SL 8

HAMLIN ROAD

WETLAND

EX. FIRST GAS EASEMENT

REFER S4-C400-4

SL 10

SL 15

SL 5

RESOURCE CONSENT

NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
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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 BDY
- SUPER LOT BDY
- EX STORMWATER
- PR STORMWATER
- EX/PR SWMH
- PR SWCP SINGLE
- PR SWCP DOUBLE
- PR LOT CONNECTION
- PR SW SWALE
- PR SWALE (2YR FLOOD RL)

Rev	Description	By	Date
A	RESOURCE CONSENT	JAD	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	JAD	02/2025
Drawn	JAD	02/2025
Checked	JP/LC	02/2025

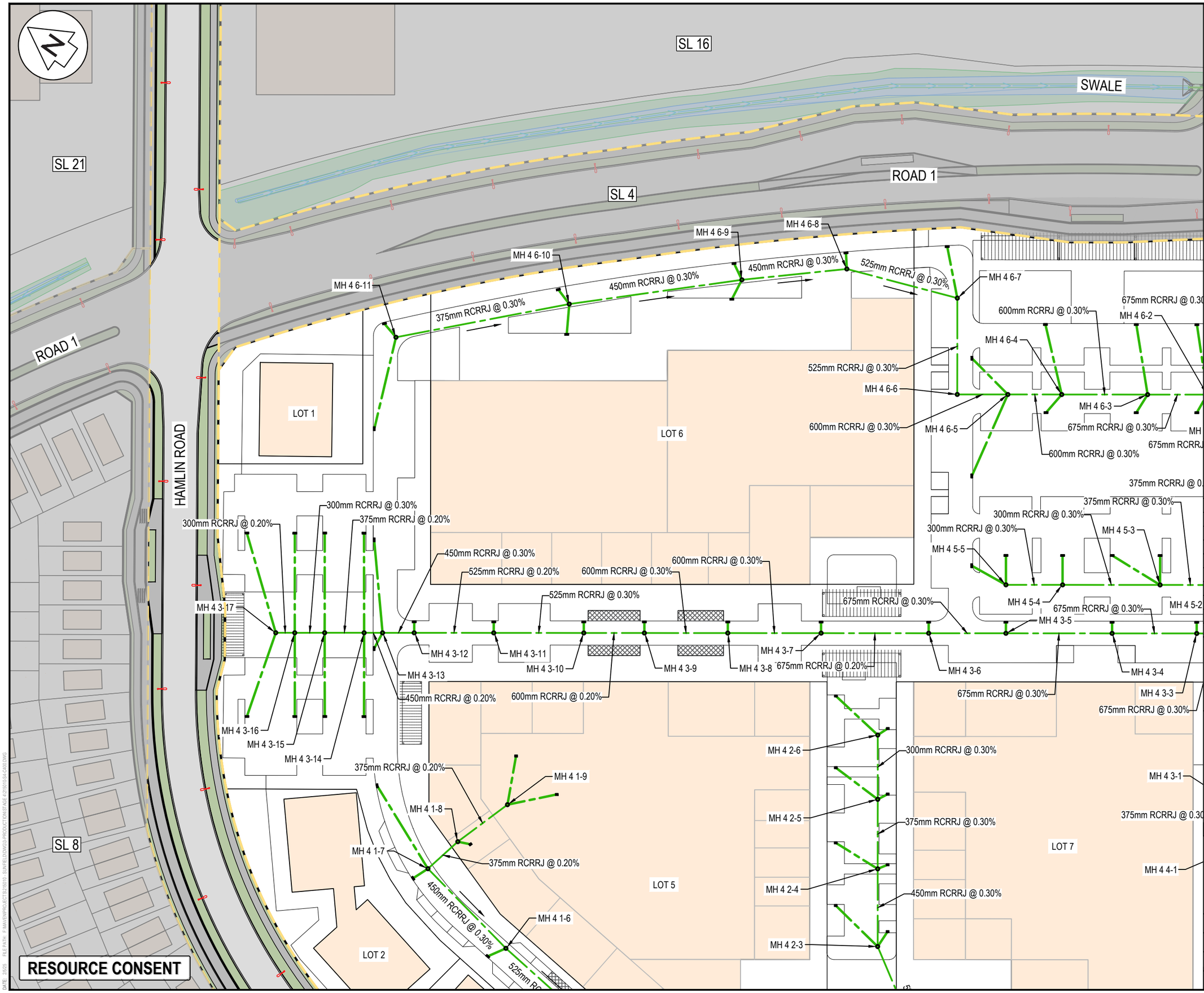
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Project
SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 7 FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED STORMWATER OVERVIEW

Project no.	215010		
Scale	1:2500 @ A3		
Cad file	215010-S4-C400.DWG		
Drawing no.	S4-C400-0	Rev	A

DATE: 26/05 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWGS\PRODUCTION\STAGE 4\215010-S4-C400.DWG



NOTES

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LEGEND

- EX BDY
- PR BDY
- SUPER LOT BDY
- EX STORMWATER
- PR STORMWATER
- EX/PR SWMH
- PR SWCP SINGLE
- PR SWCP DOUBLE
- PR LOT CONNECTION
- PR SW SWALE
- PR SWALE (2YR FLOOD RL)

Rev	Description	By	Date
A	RESOURCE CONSENT	JAD	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	JAD	02/2025
Drawn	JAD	02/2025
Checked	JP/LC	02/2025

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Project

SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 7 FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED STORMWATER PLAN: SHEET 1

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C400.DWG
Drawing no.	S4-C400-1 Rev A

DATE: 2025 FILE PATH: F:\MAVEN\PROJECTS\215010 SUNFIELD\DWG\3-PRODUCTION\STAGE 4\215010-S4-C400.DWG

SWALE

SL 16

ROAD 1

SL 4

MH 4 6-7

600mm RCRRJ @ 0.30%

675mm RCRRJ @ 0.30%

MH 4 6-2

MH 4 6-4

MH 4 6-3

675mm RCRRJ @ 0.30%

MH 4 6-1

675mm RCRRJ @ 0.30%

600mm RCRRJ @ 0.30%

375mm RCRRJ @ 0.30%

375mm RCRRJ @ 0.30%

300mm RCRRJ @ 0.30%

@ 0.30%

MH 4 5-3

MH 4 5-1

450mm RCRRJ @ 0.30%

MH 4 5-4

675mm RCRRJ @ 0.30%

MH 4 5-2

MH 4 3-5

MH 4 3-2

MH 4 3-4

MH 4 3-3

675mm RCRRJ @ 0.30%

h RCRRJ @ 0.30%

750mm RCRRJ @ 0.30%

30%

MH 4 3-1

OUTLET 4 3-0
LL=25.62
IL=24.82 (MH 4 3-1 IN)

375mm RCRRJ @ 0.30%

80%

LOT 7

750mm RCRRJ @ 0.40%

MH 4 4-1

0.30%

SWALE

675mm RCRRJ @ 0.30%

MH 4 7-1

SW PIPE TO ALLOW FOR DRAINAGE FROM SPORTS FIELDS/COURTS. REQUIREMENT TBC

OUTLET 4 7-0
LL=25.89
IL=25.17 (MH 4 7-1 IN)

OUTLET 4 6-0
LL=25.89
IL=25.16 (MH 4 6-1 IN)

TIE IN TO SL4 STORMWATER NETWORK

MH 4 7-2

600mm RCRRJ @ 0.30%

600mm RCRRJ @ 0.30%

MH 4 7-5

MH 4 7-3

MH 4 7-4

600mm RCRRJ @ 0.30%

LOT 8

LOT 10

MH 4

SL 7

300mm RCRRJ @ 0.30%

MH 4 8-8

MH 4 8-9

MH 4 8-7

375mm RCRRJ @ 0.30%

375mm RCRRJ @ 0.30

MH 4 8-5

MH 4 8-6

450mm RCRRJ @ 0.30%

525mm RCRRJ @ 0.30%

525mm RCRRJ @ 0.30%

WETLAND

RESOURCE CONSENT

DATE: 2/4/25 FILE PATH: P:\MAVEN\PROJECTS\215010 - SUNFIELD\DWGS-PRODUCTION\ST-ACE\215010-S4-C400.DWG

NOTES

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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 BDY
- SUPER LOT BDY
- EX STORMWATER
- PR STORMWATER
- EX/PR SWMH
- PR SWCP SINGLE
- PR SWCP DOUBLE
- PR LOT CONNECTION
- PR SW SWALE
- PR SWALE (2YR FLOOD RL)

Rev	Description	By	Date
A	RESOURCE CONSENT	JAD	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	JAD	02/2025
Drawn	JAD	02/2025
Checked	JP/LC	02/2025

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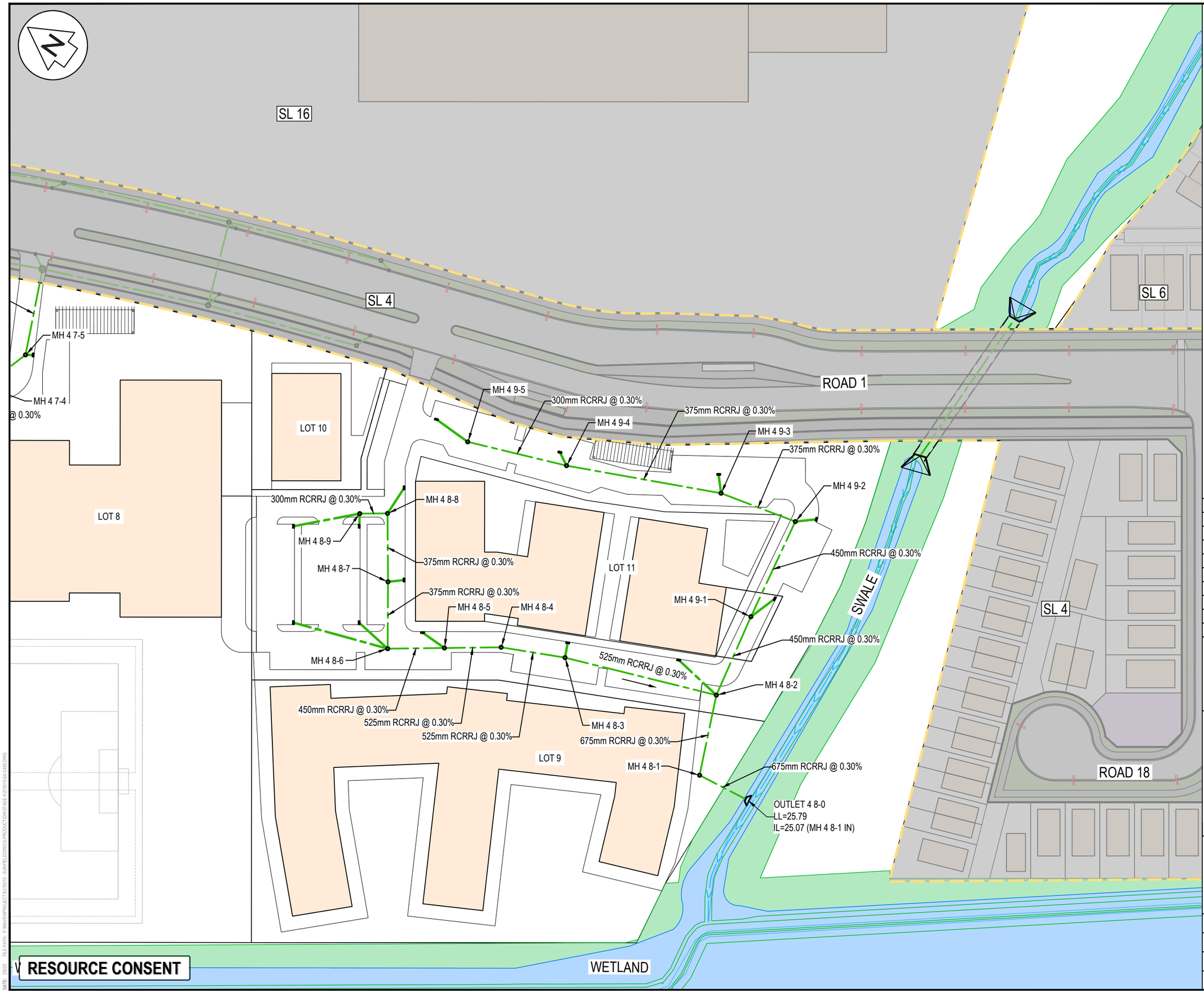
Project

SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 7 FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED STORMWATER PLAN: SHEET 2

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C400.DWG
Drawing no.	S4-C400-2 Rev A



NOTES

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

- EX BDY
- PR BDY
- SUPER LOT BDY
- EX STORMWATER
- PR STORMWATER
- EX/PR SWMH
- PR SWCP SINGLE
- PR SWCP DOUBLE
- PR LOT CONNECTION
- PR SW SWALE
- PR SWALE (2YR FLOOD RL)

Rev	Description	By	Date
A	RESOURCE CONSENT	JAD	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	JAD	02/2025
Drawn	JAD	02/2025
Checked	JP/LC	02/2025

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Project

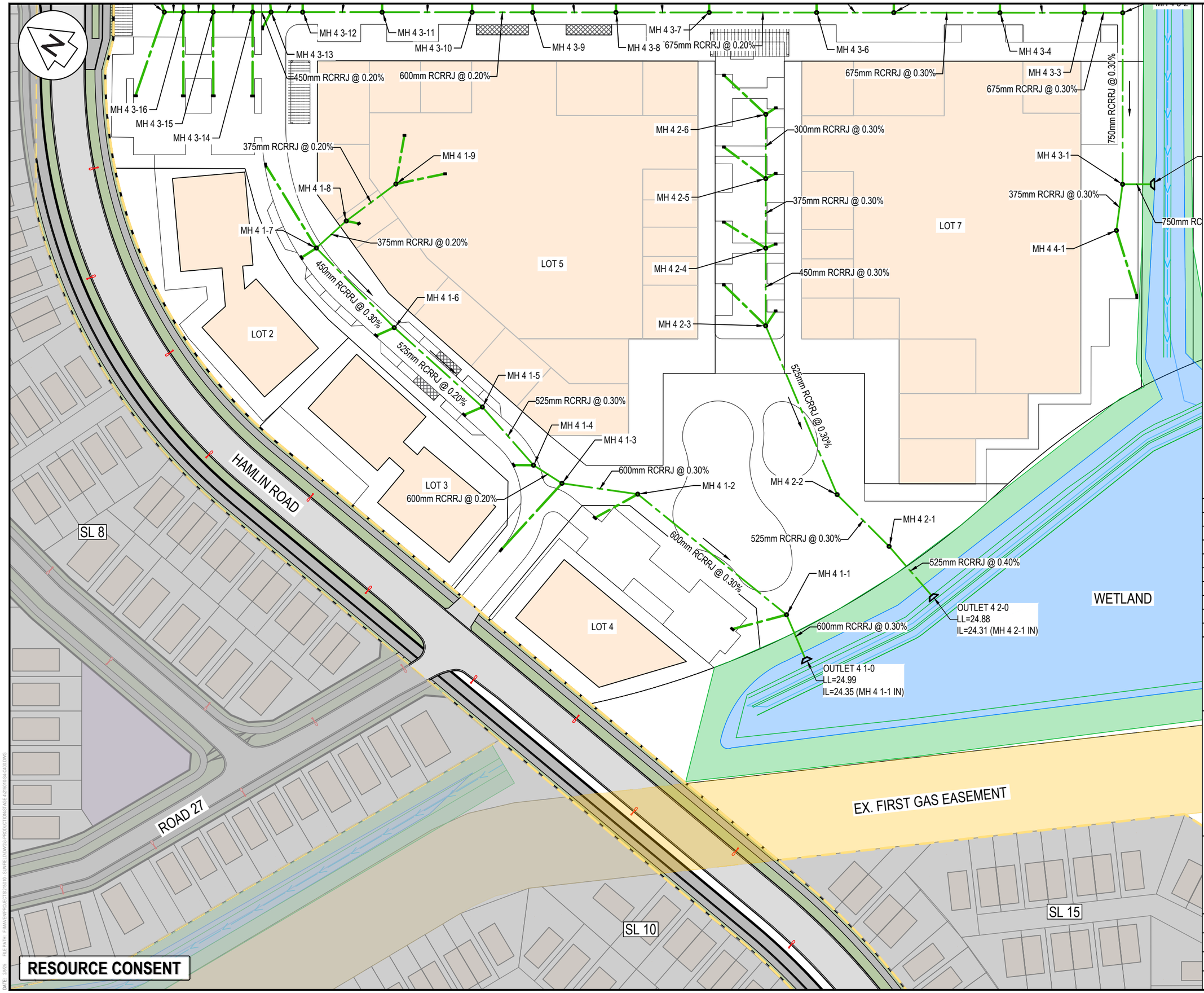
SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 7 FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED STORMWATER PLAN: SHEET 3

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C400.DWG
Drawing no.	S4-C400-3 Rev A

DATE: 25/05 FILE PATH: F:\MAVEN\PROJECTS\215010_SUNFIELD\DWGS\PRODUCTION\TAGE 4\215010-S4-C400.DWG



NOTES

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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 BDY
- SUPER LOT BDY
- EX STORMWATER
- PR STORMWATER
- EX/PR SWMH
- PR SWCP SINGLE
- PR SWCP DOUBLE
- PR LOT CONNECTION
- PR SW SWALE
- PR SWALE (2YR FLOOD RL)

Rev	Description	By	Date
A	RESOURCE CONSENT	JAD	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	JAD	02/2025
Drawn	JAD	02/2025
Checked	JP/LC	02/2025

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Project

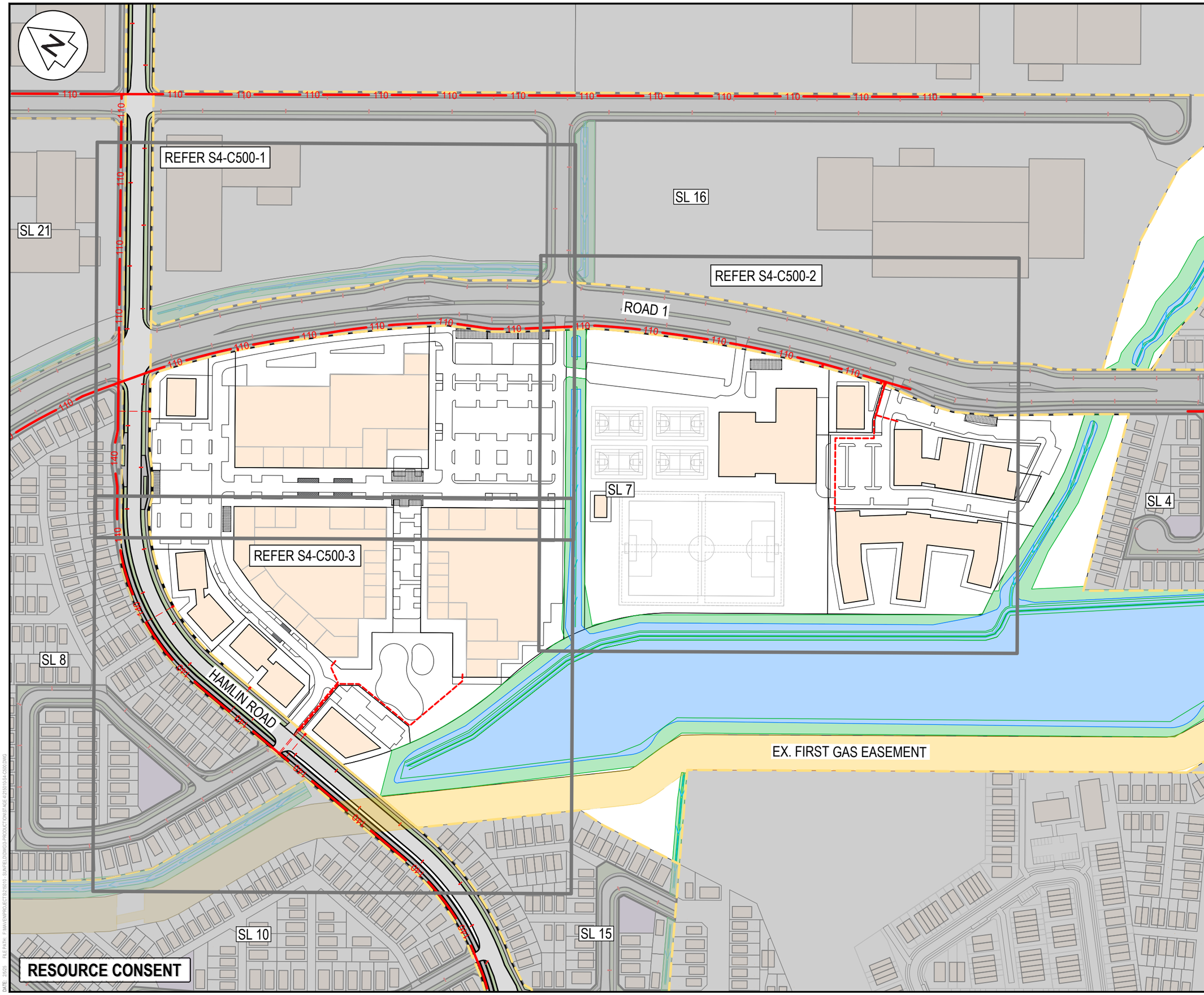
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 7
FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED STORMWATER PLAN: SHEET 4

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C400.DWG
Drawing no.	S4-C400-4 Rev A

DATE: 24/2/25 FILE PATH: P:\MAVEN\PROJECTS\215010_SUNFIELD\DWGS-PRODUCTION\STAGE 4\215010-S4-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.
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) (110, 125, 160)
- PR BDY KIT - SINGLE
- PR BDY KIT - DOUBLE
- SUPER LOT BDY

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	CE	11/2024
Drawn	KN	11/2024
Checked	JP/LC	02/2025

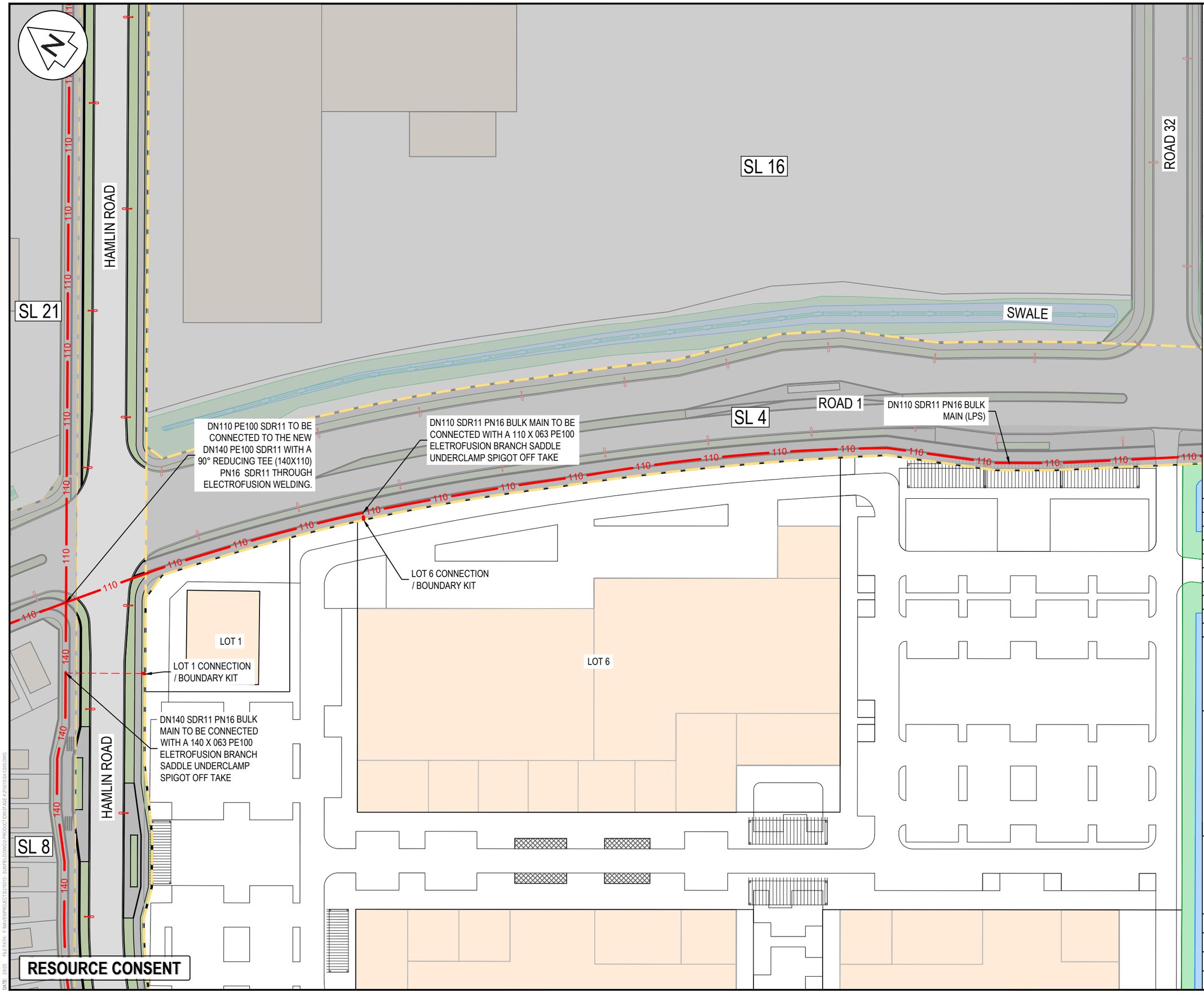
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Project
SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 7 FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED WASTEWATER OVERVIEW

Project no.	215010
Scale	1:2500 @ A3
Cad file	215010-S4-C500.DWG
Drawing no.	S4-C500-0 Rev A

DATE: 2025 FILE PATH: F:\MAVEN\PROJECTS\215010 SUNFIELD\DWG\1-PRODUCTION\STAGE 4\215010-S4-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.)
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LEGEND

- EXISTING BDY
- PROPOSED BDY
- EX WASTEWATER
- PR WASTEWATER PRIV
- PR WASTEWATER
- PR WASTEWATER BULK MAIN (LPS) (110 / 125 / 160)
- PR BDY KIT - SINGLE
- PR BDY KIT - DOUBLE
- SUPER LOT BDY

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	CE	11/2024
Drawn	KN	11/2024
Checked	JP/LC	02/2025

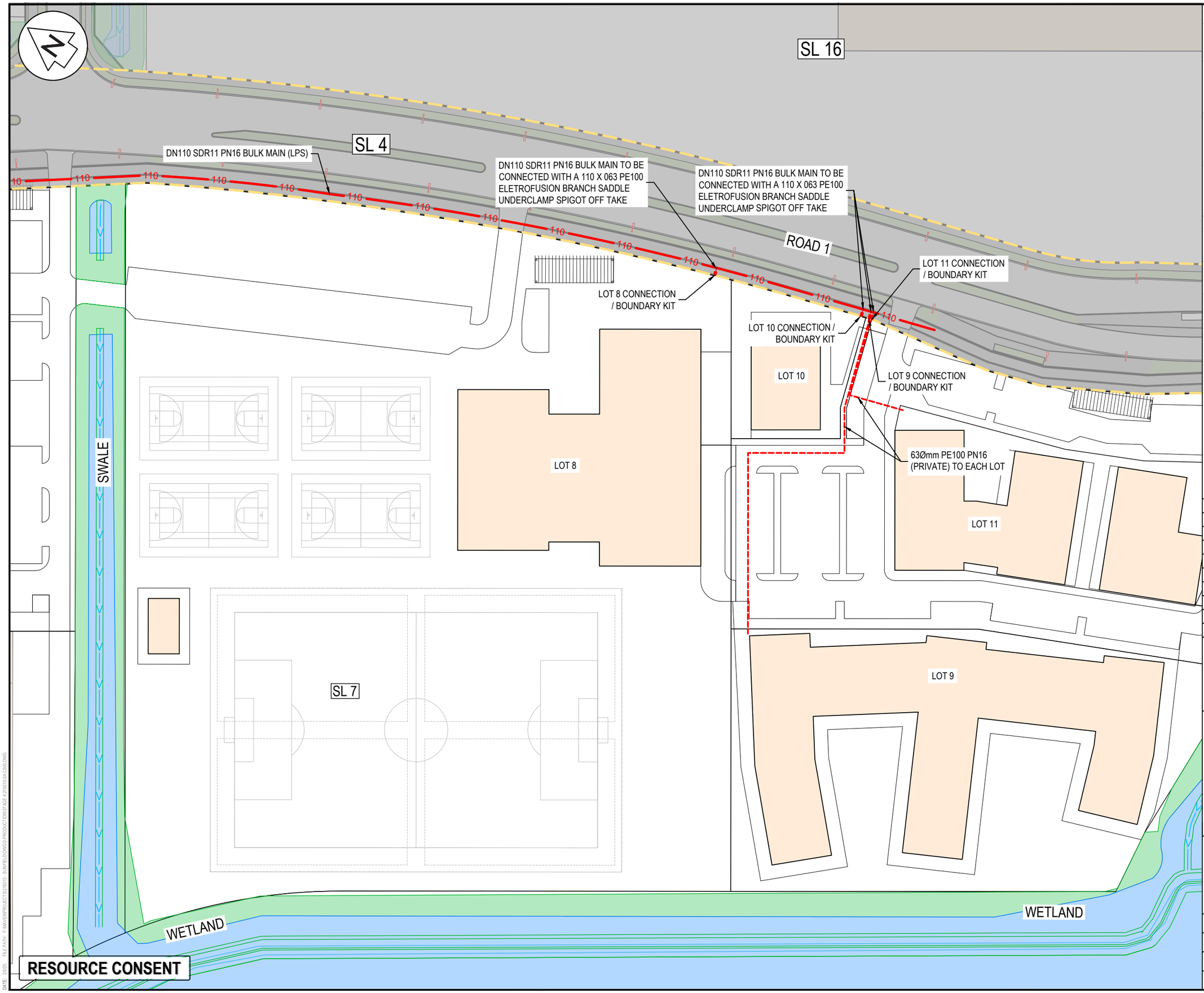
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Auckland 1023

Project
SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 7 FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED WASTEWATER PLAN: SHEET 1

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C500.DWG
Drawing no.	S4-C500-1 Rev A

DATE: 2/5/25 FILE PATH: P:\MAVEN\PROJECTS\215010_SUNFIELD\DWGS-PRODUCTION\STAGE1\215010-S4-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.
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LEGEND

- EXISTING BDY
- PROPOSED BDY
- EX WASTEWATER
- PR WASTEWATER PRIV
- PR WASTEWATER
- PR WASTEWATER BULK MAIN (LPS) (110, 125, 160)
- PR BDY KIT - SINGLE
- PR BDY KIT - DOUBLE
- SUPER LOT BDY

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	CE	11/2024
Drawn	KN	11/2024
Checked	JP/LC	02/2025

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Project

SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 7 FOR SUNFIELD DEVELOPMENTS LIMITED

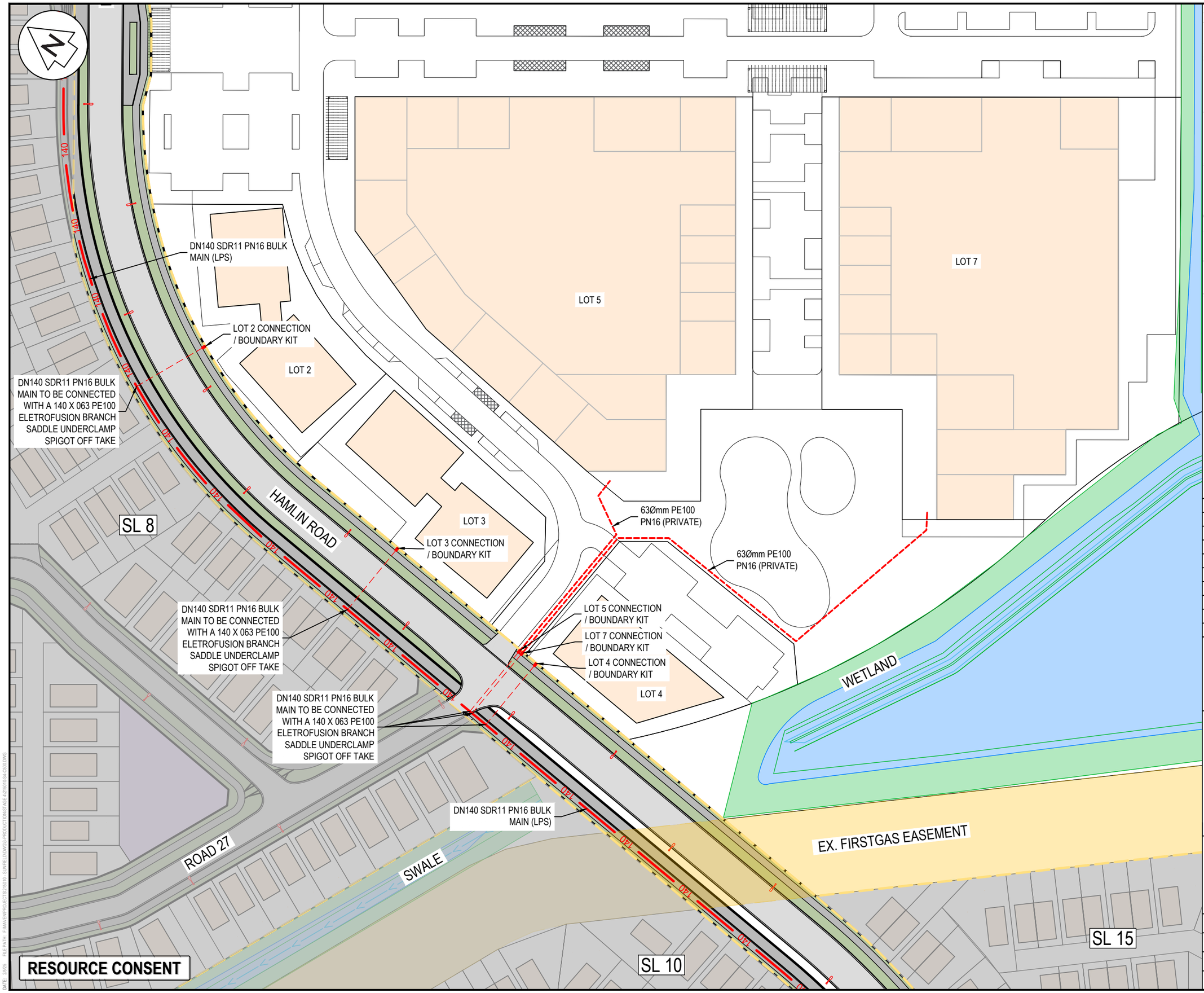
Title

PROPOSED WASTEWATER PLAN: SHEET 2

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C500.DWG
Drawing no.	S4-C500-2 Rev A

RESOURCE CONSENT

DATE: 2025 FILE PATH: F:\MAVEN\PROJECTS\215010_SUNFIELD\DWG\0-PRODUCTION\STAGE 4\215010-S4-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.
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LEGEND

- EXISTING BDY
- PROPOSED BDY
- EX WASTEWATER
- PR WASTEWATER PRIV
- PR WASTEWATER
- 110 / 125 / 160 — PR WASTEWATER BULK MAIN (LPS)
- PR BDY KIT - SINGLE
- PR BDY KIT - DOUBLE
- SUPER LOT BDY

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	CE	11/2024
Drawn	KN	11/2024
Checked	JP/LC	02/2025

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Project

SUNFIELD DEVELOPMENT ARDMORE, AUCKLAND SUPERLOT 7 FOR SUNFIELD DEVELOPMENTS LIMITED

Title

PROPOSED WASTEWATER PLAN: SHEET 3

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C500.DWG
Drawing no.	S4-C500-3 Rev A

DATE: 25/05 FILE PATH: P:\MAVEN\PROJECTS\215010 - SUNFIELD\W2S-PRODUCTION\STAGE 4\215010-S4-C500.DWG

REFER S4-C600-1

REFER S4-C600-2

REFER S4-C600-3

REFER S4-C600-4

SL 21

SL 16

SL 6

SL 4

SL 7

SL 8

SL 10

SL 15

ROAD 1

HAMLIN ROAD

EX. FIRST GAS EASEMENT

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 ABUTTING BDY
- PR BDY
- PR INTERNAL BDY
- EX WATERMAIN
- PR WATERMAIN
- PR WATERMAIN 100mm
- PR WATER PRIVATE
- FH EX/PR HYDRANT
- WM EX/PR METER
- EX SLUICE VALVE
- EX PEET VALVE
- PR SLUICE VALVE
- PR PEET VALVE
- SUPER LOT BDY

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	SP	11/2024
Drawn	SP	12/2024
Checked	JP/LC	02/2025

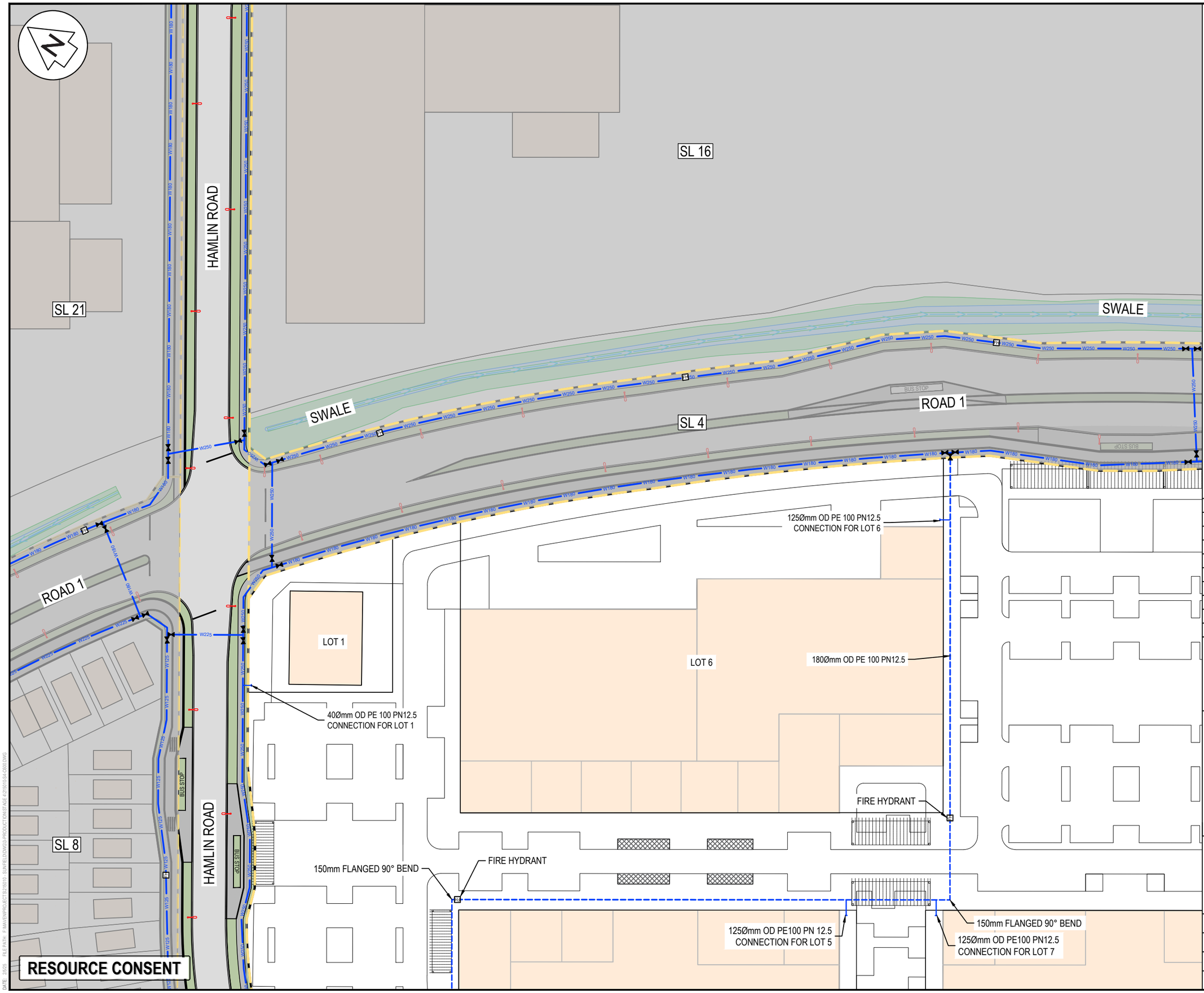
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Auckland 1023

Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 7
FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED WATER SUPPLY OVERVIEW

Project no.	215010		
Scale	1:2500 @ A3		
Cad file	215010-S4-C600.DWG		
Drawing no.	S4-C600-0	Rev	A

DATE: 2/4/25 FILE PATH: P:\MAVEN\PROJECTS\215010_SUNFIELD\CIVIL\3-PRODUCTION\STAGE 4\215010-S4-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.
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 ABUTTING BDY
- PR BDY
- PR INTERNAL BDY
- EX WATERMAIN
- PR WATERMAIN
- PR WATERMAIN 100mm
- PR WATER PRIVATE
- EX/PR HYDRANT
- EX/PR METER
- EX SLUICE VALVE
- EX PEET VALVE
- PR SLUICE VALVE
- PR PEET VALVE
- SUPER LOT BDY

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	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 7
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title
PROPOSED
WATER SUPPLY
PLAN: SHEET 1

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C600.DWG
Drawing no.	S4-C600-1 Rev A

DATE: 25/25 FILE PATH: F:\MAVEN\PROJECTS\215010 SUNFIELD\DWG\3-PRODUCTION\STAGE 4\215010-S4-C600.DWG

SWALE

SL 16

ROAD 1

SL 4

BUS STOP

180Ømm OD PE100 PN12.5
CONNECTION FOR LOT 8

63Ømm OD PE100 PN12.5
CONNECTION FOR LOT 10

LOT 10

LOT 8

SWALE

LOT 7

WETLAND

RESOURCE CONSENT

NOTES

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   - BERMS 600mm
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LEGEND

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

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	AS	11/2024
Drawn	KN	11/2024
Checked	JP/LC	02/2025

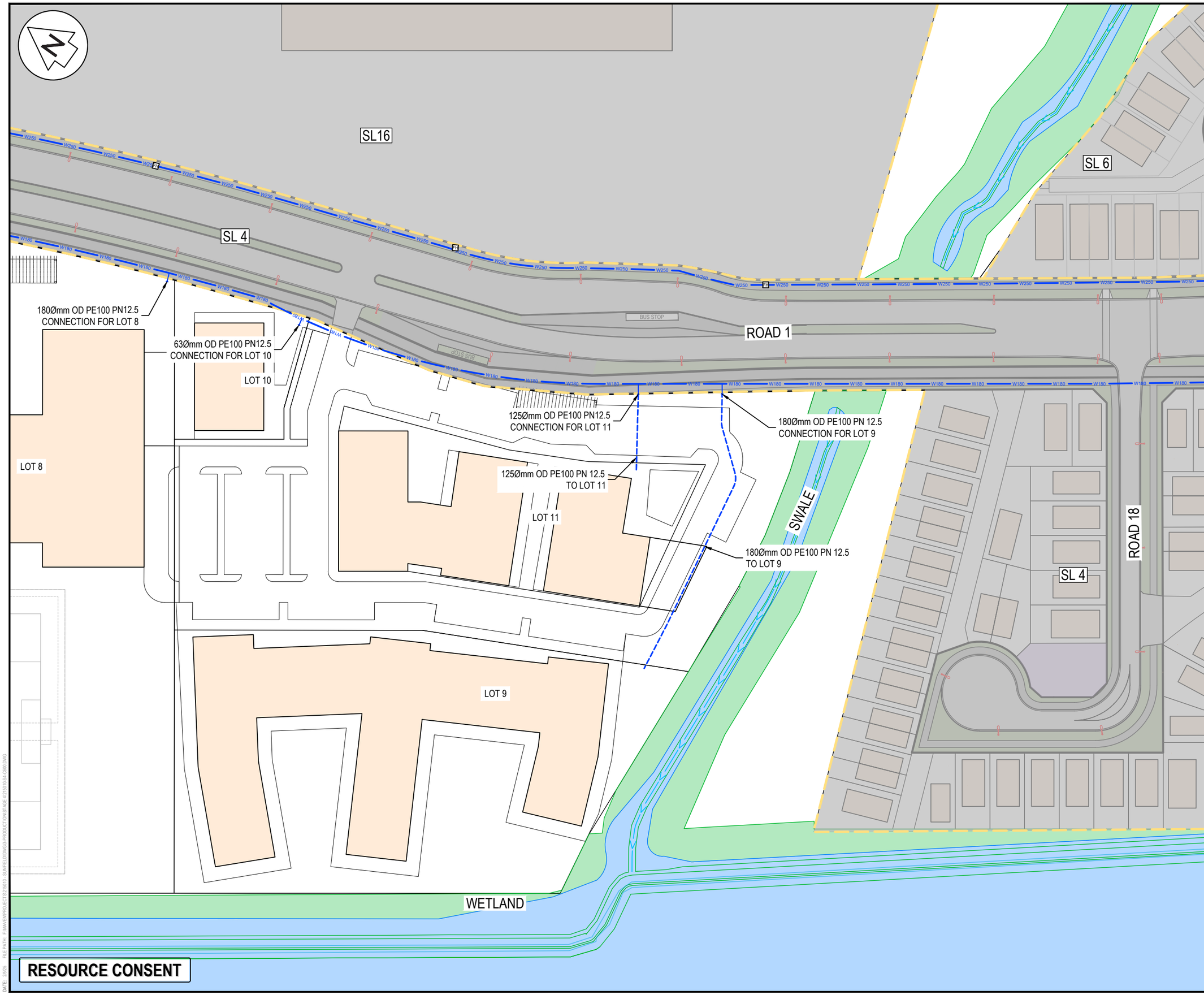
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Project
SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 7
FOR SUNFIELD DEVELOPMENTS LIMITED

Title
PROPOSED WATER SUPPLY PLAN: SHEET 2

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C600.DWG
Drawing no.	S4-C600-2 Rev A

DATE: 2/5/25 FILE PATH: P:\MAVEN\PROJECTS\215010 - SUNFIELD\CIVIL\3-PRODUCTION\STAGE 4\215010-S4-C600.DWG



NOTES

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

Rev	Description	By	Date
A	RESOURCE CONSENT	DJ	02/2025

	By	Date
Survey	SURVEYWORX	02/2021
Design	AS	11/2024
Drawn	KN	11/2024
Checked	JP/LC	02/2025

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5 Owens Road, Epsom
Auckland 1023

Project

SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 7
FOR SUNFIELD
DEVELOPMENTS LIMITED

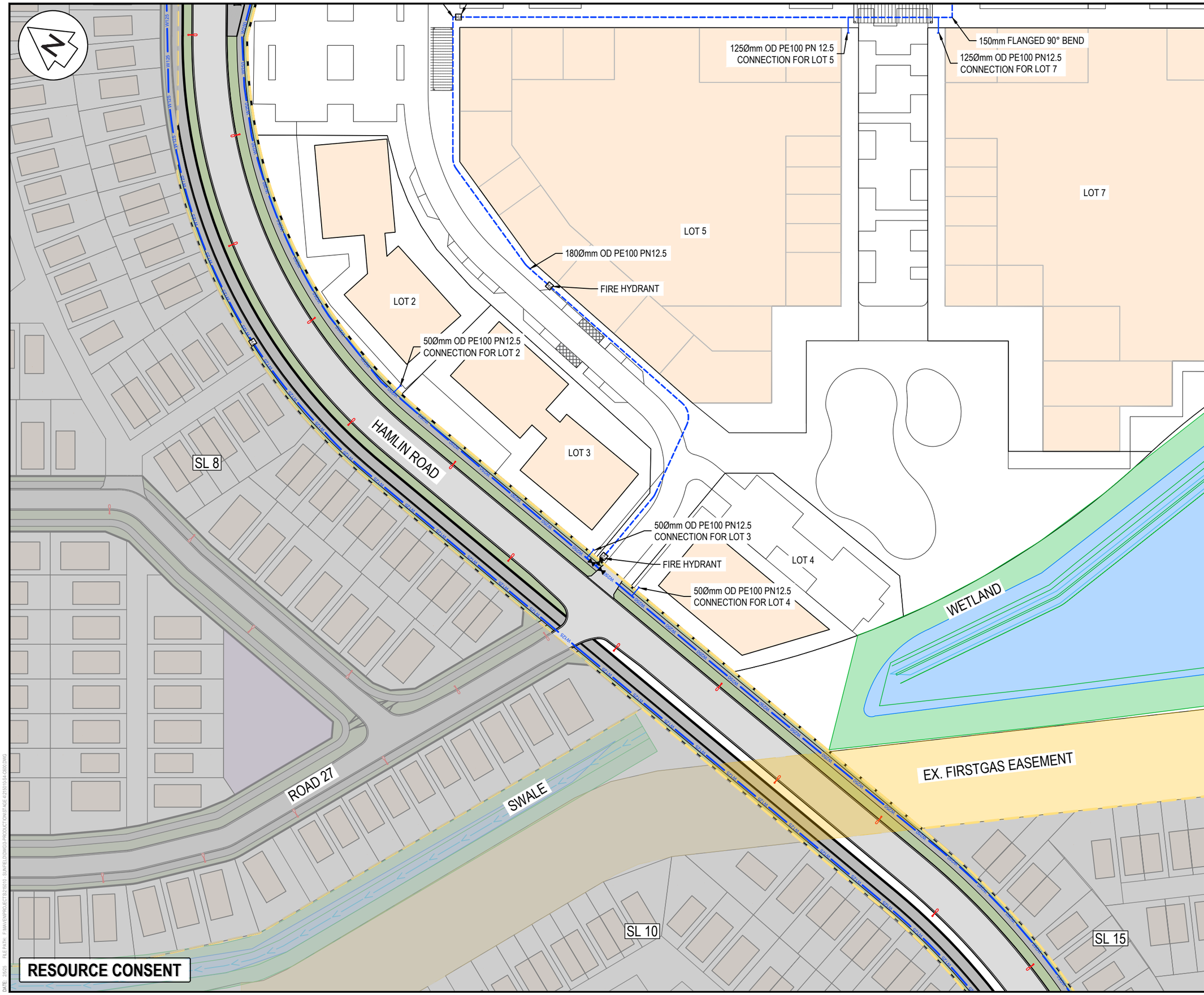
Title

PROPOSED
WATER SUPPLY
PLAN: SHEET 3

Project no.	215010
Scale	1:1000 @ A3
Cad file	215010-S4-C600.DWG
Drawing no.	S4-C600-3 Rev A

RESOURCE CONSENT

DATE: 25/25 FILE PATH: F:\MAVEN\PROJECTS\215010_SUNFIELD\DWG\3-PRODUCTION\STAGE 4\215010-S4-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.
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- PR WATERMAIN
- PR WATERMAIN 100mm
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- EX/PR HYDRANT
- EX/PR METER
- EX SLUICE VALVE
- EX PEET VALVE
- PR SLUICE VALVE
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Rev	Description	By	Date
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Project

SUNFIELD DEVELOPMENT
ARDMORE, AUCKLAND
SUPERLOT 7
FOR SUNFIELD
DEVELOPMENTS LIMITED

Title

PROPOSED
WATER SUPPLY
PLAN: SHEET 4

Project no.	215010		
Scale	1:1000 @ A3		
Cad file	215010-S4-C600.DWG		
Drawing no.	S4-C600-4	Rev	A

RESOURCE CONSENT

DATE: 25/25 FILE PATH: F:\MAVEN\PROJECTS\215010 SUNFIELD\DWG\3-PRODUCTION\STAGE 4\215010-S4-C600.DWG