

- 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
---	EX/PR HYDRANT
---	EX/PR METER
---	EX SLUICE VALVE
---	EX PEET VALVE
---	PR SLUICE VALVE
---	PR PEET VALVE

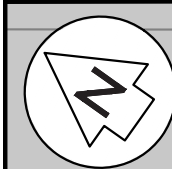
A	RESOURCE CONSENT	GT/TH	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	GT/TH		01/2025
Drawn	GT/TH		01/2025
Checked	DJM		02/2025

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Auckland 1023

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	<b>A</b>



SL 16

6x250D PE80B  
PN12.5 SDR 11  
LOT CONNECTIONS

ROAD 1

6x250D PE80B  
PN12.5 SDR 11  
LOT CONNECTIONS

SL 7

ROAD 18

6x250D PE80B  
PN12.5 SDR 11  
LOT CONNECTIONS

4x250D PE80B  
PN12.5 SDR 11  
LOT CONNECTIONS

VECTOR GAS TRANSMISSION EASEMENT

RESOURCE CONSENT

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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    |

A	RESOURCE CONSENT	GT/TH	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	GT/TH		01/2025
Drawn	GT/TH		01/2025
Checked	DJM		02/2025

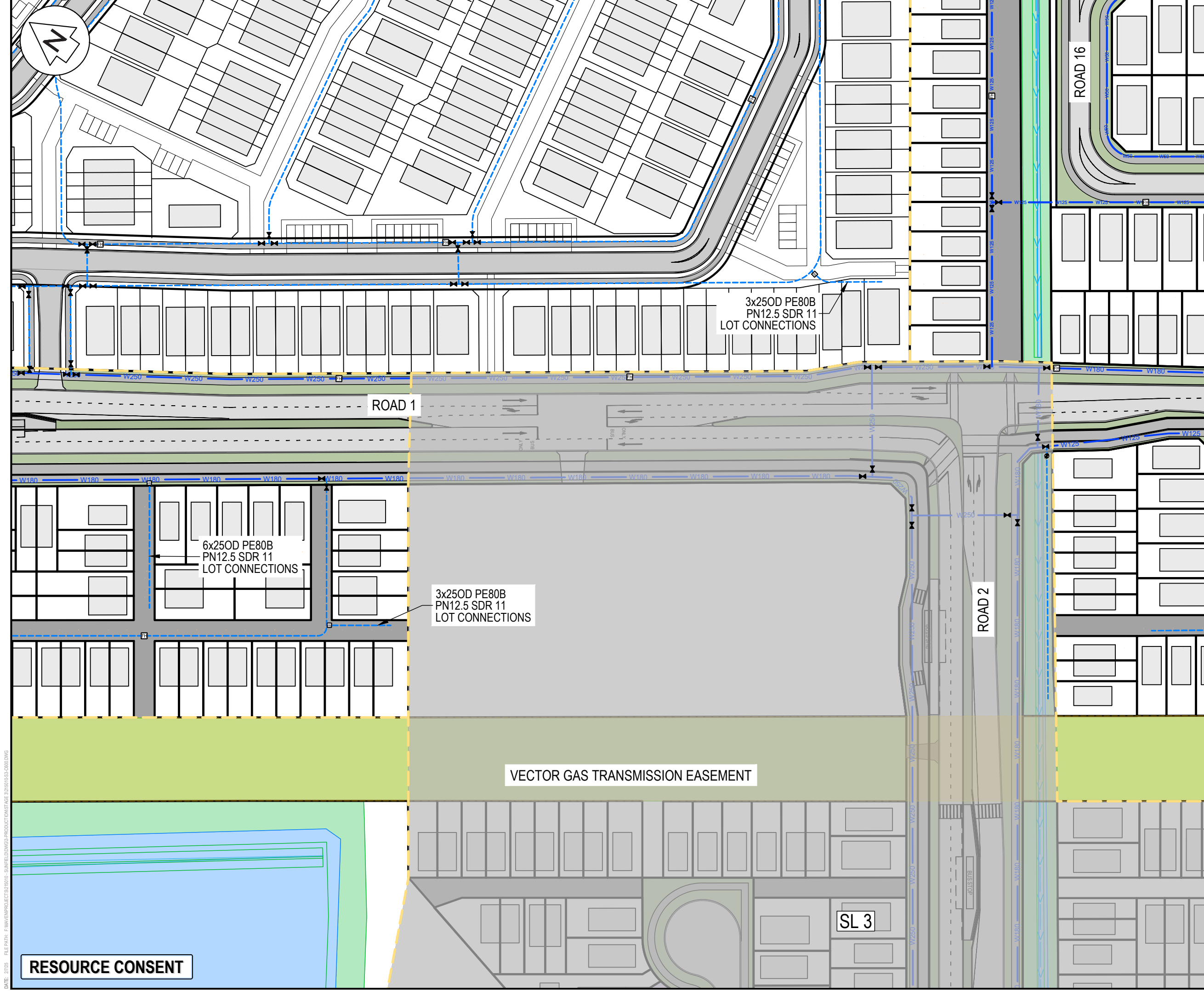


Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 4, 5 & 6  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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





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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

A	RESOURCE CONSENT	GT/TH	02/2025
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	Design	GT/TH	01/2025
	Drawn	GT/TH	01/2025
	Checked	DJM	02/2025



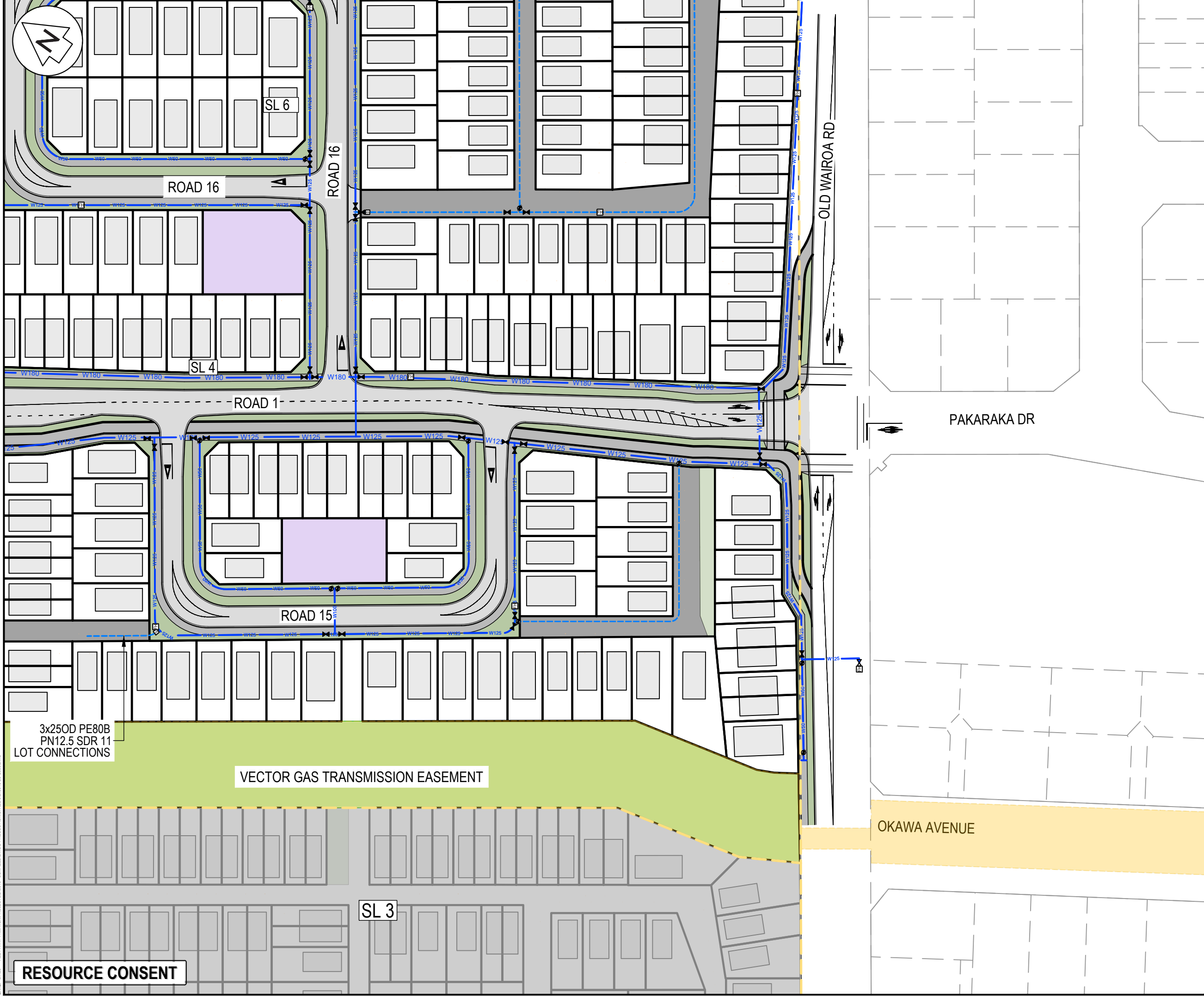
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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 4, 5, 6 & 22  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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	<b>A</b>

DATE: 2/7/25 FILE PATH: F:\MAVEN\PROJECT\S215010 - SUNFIELD\DWG3-PRODUCTION\STAGE 3\215010-S3-C600.DWG



NOTES

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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

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

3x250D PE80B  
PN12.5 SDR 11  
LOT CONNECTIONS

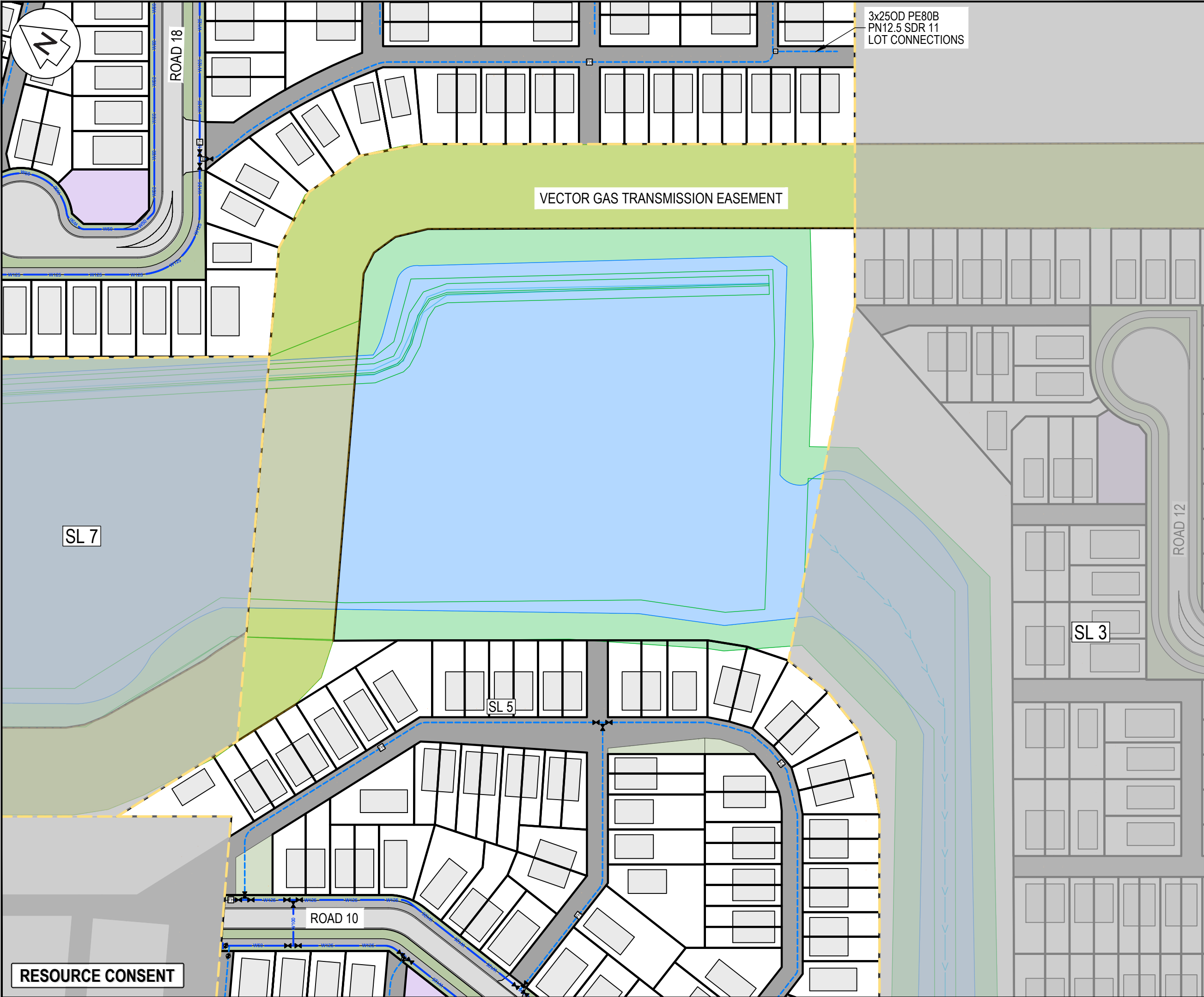
VECTOR GAS TRANSMISSION EASEMENT

RESOURCE CONSENT

SL 3

SL 4

SL 6



3x250D PE80B  
PN12.5 SDR 11  
LOT CONNECTIONS

VECTOR GAS TRANSMISSION EASEMENT

SL 7

SL 3

SL 5

ROAD 10

ROAD 18

ROAD 12

- NOTES
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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

A	RESOURCE CONSENT	GT/TH	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	GT/TH		01/2025
Drawn	GT/TH		01/2025
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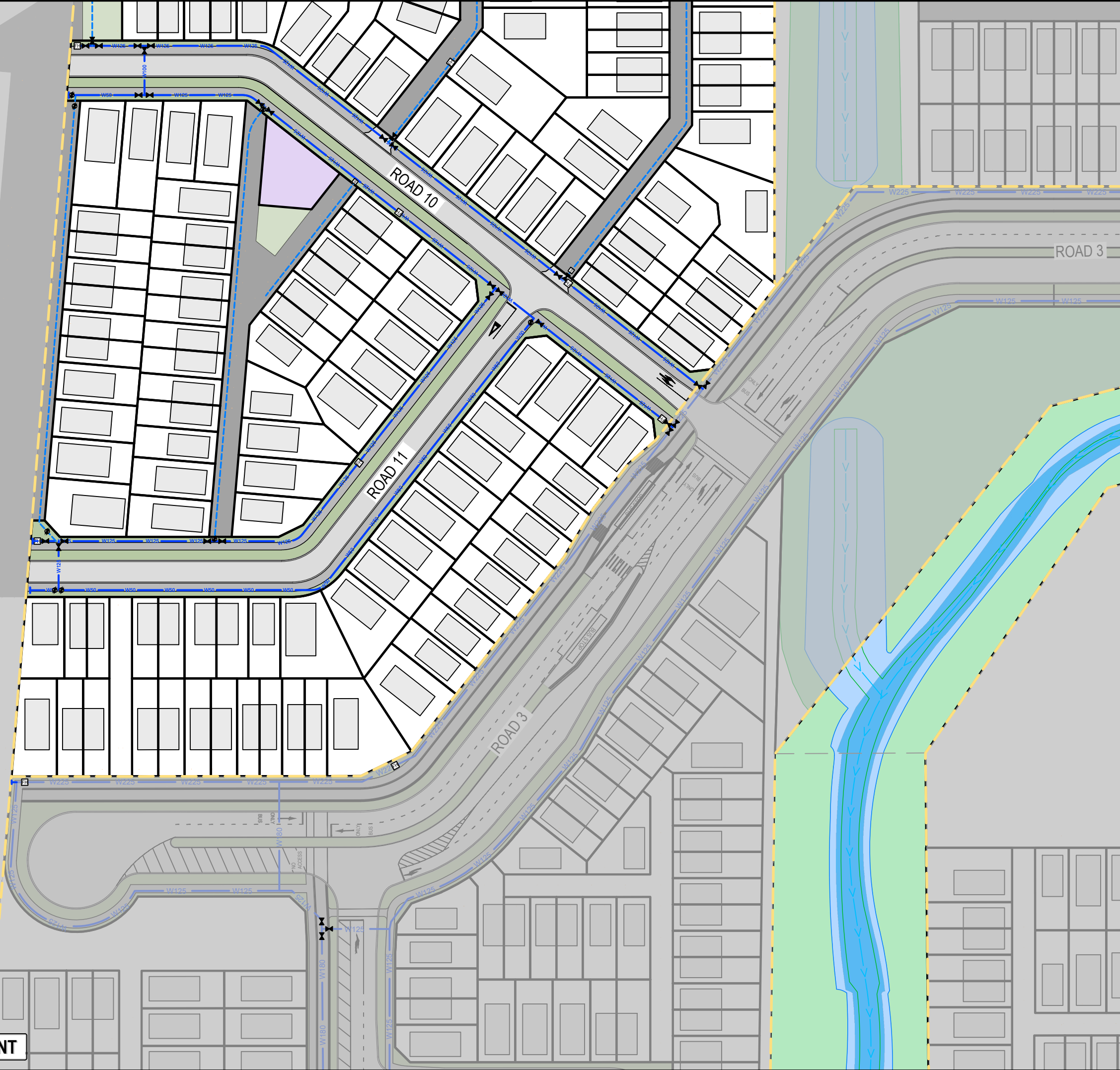
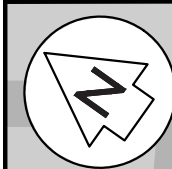
Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 4 & 5  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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	<b>A</b>

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
— W —	EX WATERMAIN
— W —	PR WATERMAIN
— W —	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	GT/TH	02/2025
Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	GT/TH		01/2025
Drawn	GT/TH		01/2025
Checked	DJM		02/2025



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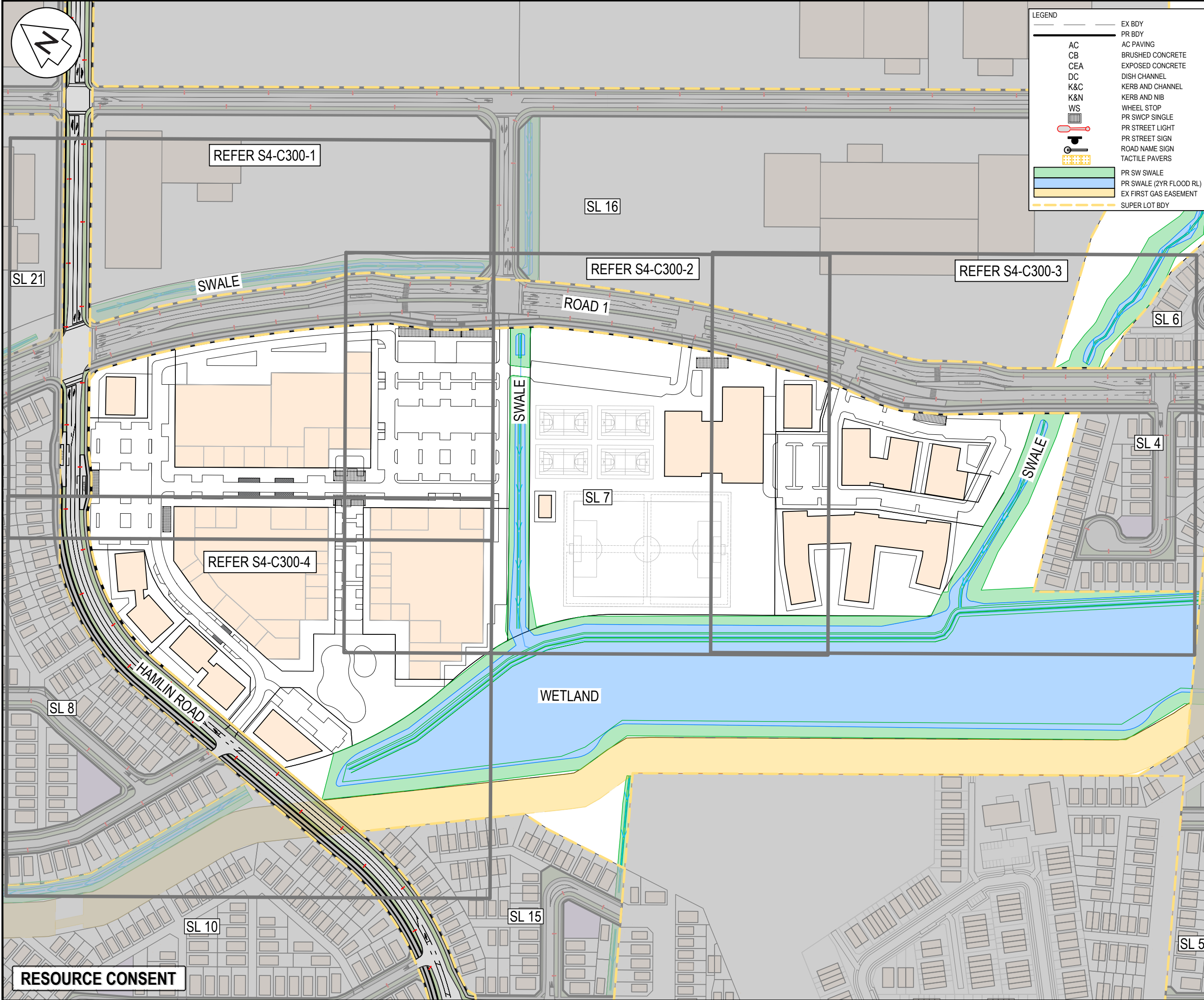
Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 5  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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	<b>A</b>

RESOURCE CONSENT





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

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

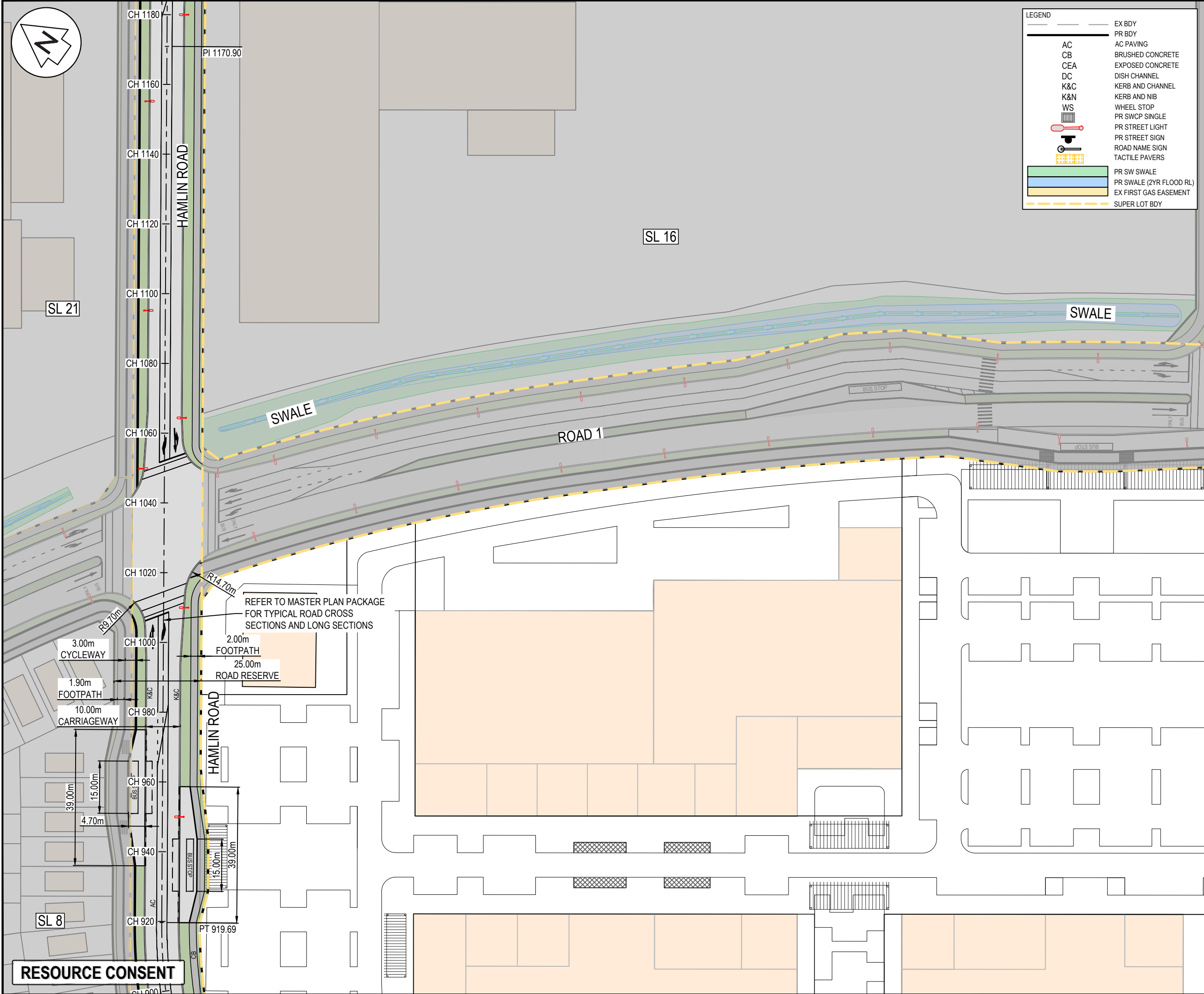


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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 7  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title  
**PROPOSED  
ROADING  
OVERVIEW**

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



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

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Checked	JP/LC		02/2025



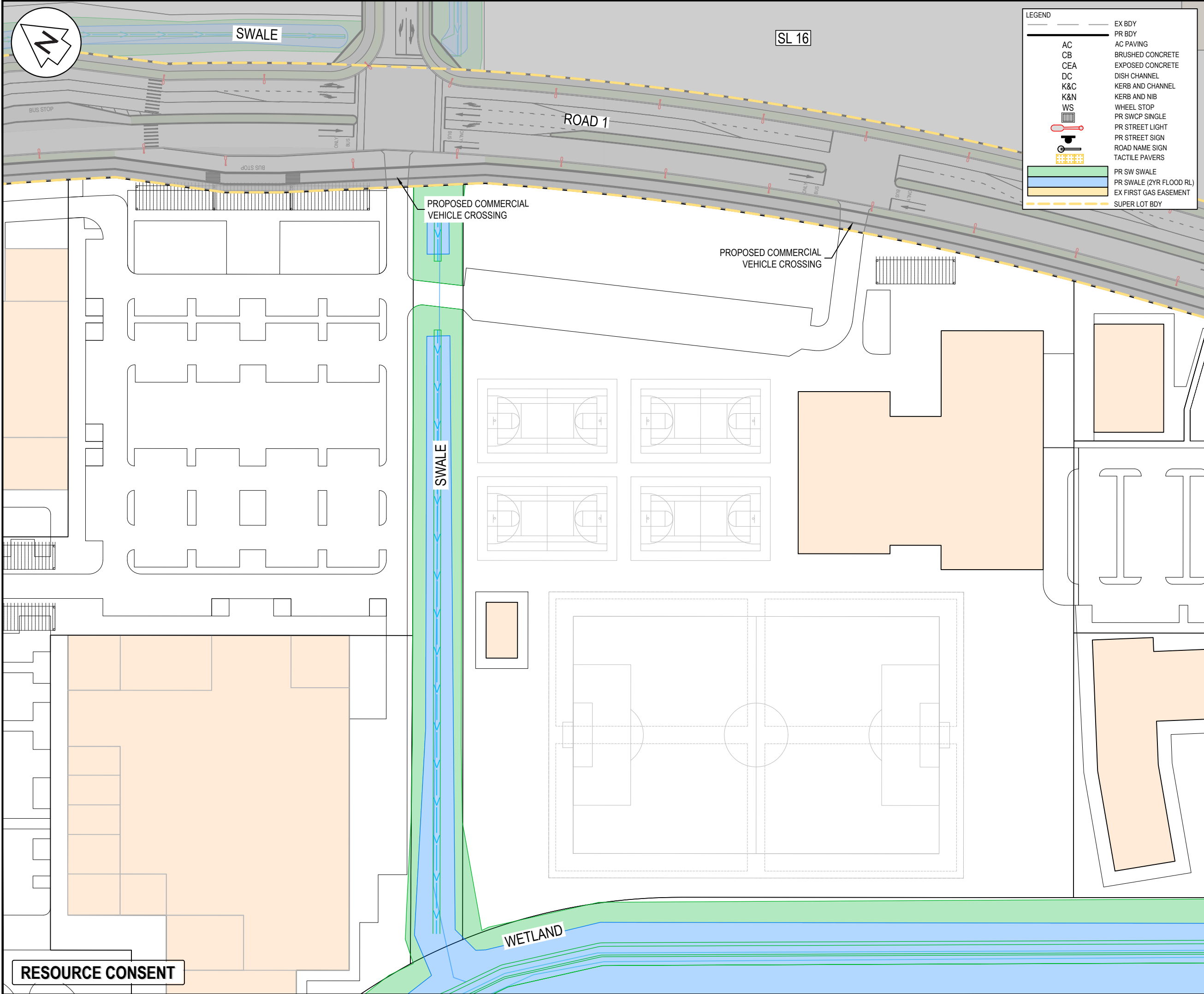
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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 7  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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	<b>A</b>





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

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

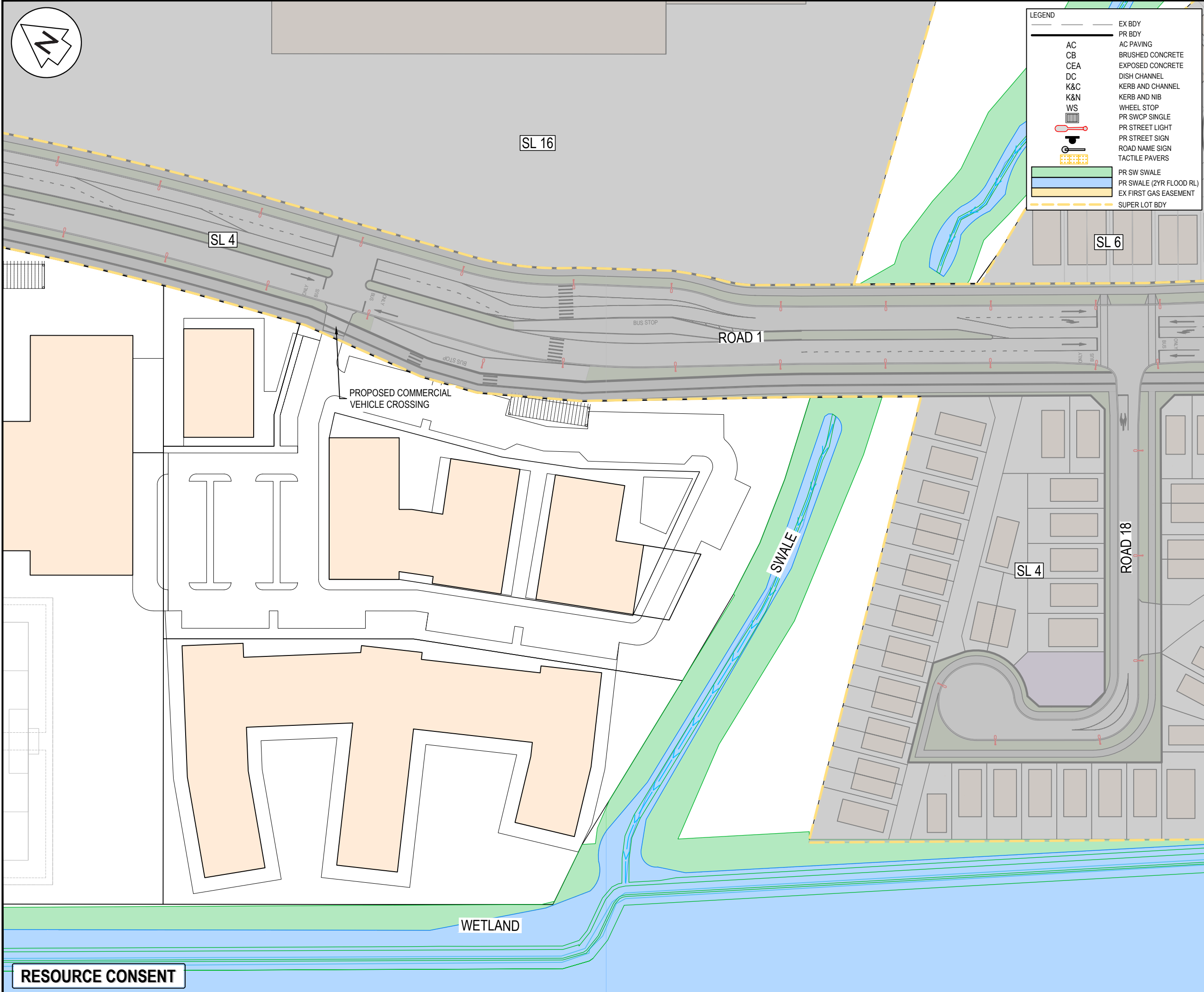
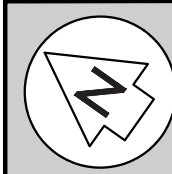


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Auckland 1023

Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 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	<b>A</b>



- 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	DJ	02/2025
Rev	Description	By	Date
		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**

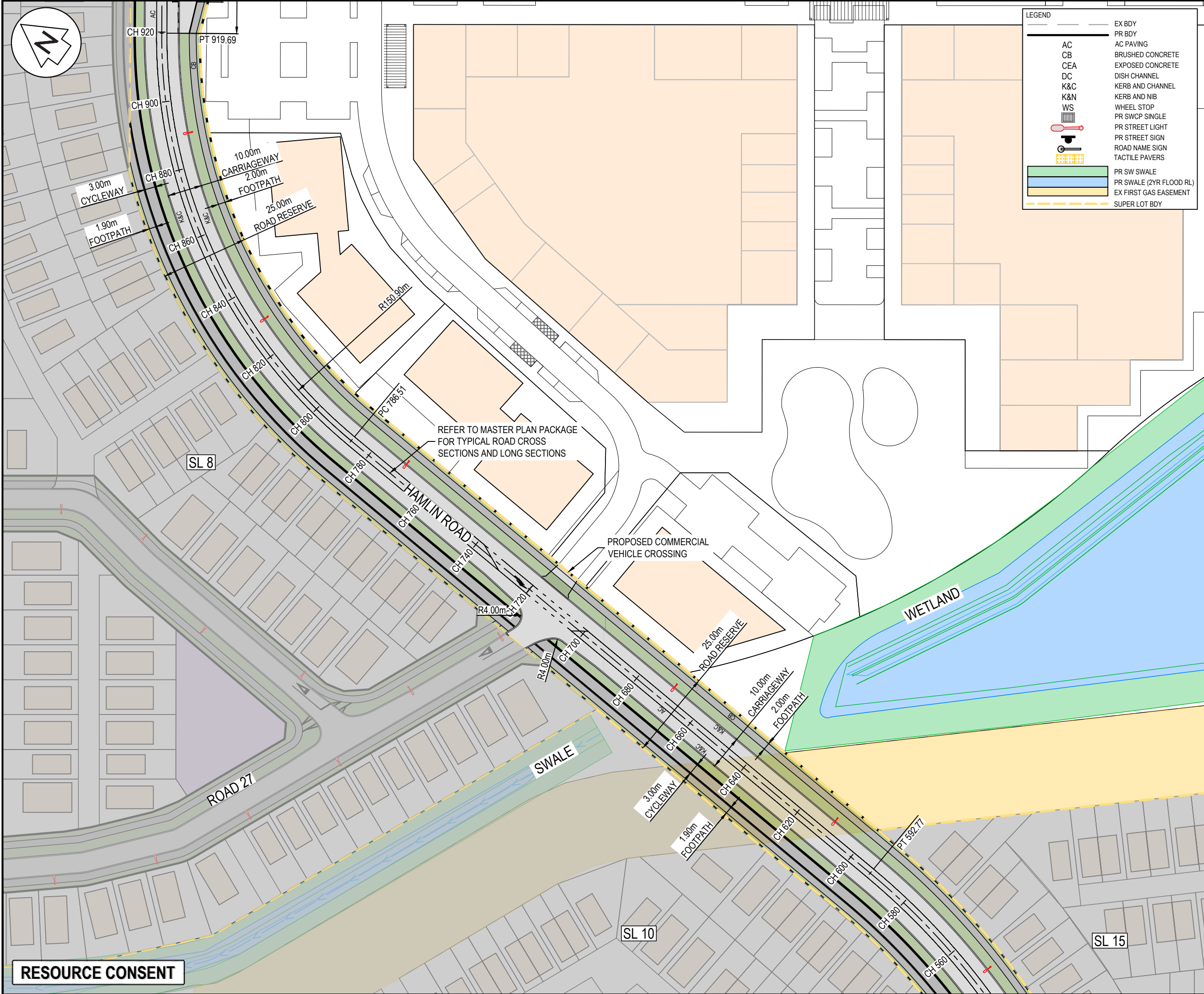
Title  
**PROPOSED  
ROADING  
PLAN: SHEET 3**

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

DATE: 27/05 FILE PATH: I:\MVEN\CONSULTING\CO\NZ\SHARE\CURRENT\MAVEN\PROJECT\215010 - SUNFIELD\DWG\3 - PRODUCTION\STAGE 4\215010-S4-C300.DWG

**RESOURCE CONSENT**





LEGEND	
AC	EX BDY
CB	PR BDY
CEA	AC PAVING
DC	BRUSHED CONCRETE
K&C	EXPOSED CONCRETE
K&N	DISH CHANNEL
WS	KERB AND CHANNEL
	KERB AND NIB
	WHEEL STOP
	PR SWCP SINGLE
	PR STREET LIGHT
	PR STREET SIGN
	ROAD NAME SIGN
	TACTILE PAVERS
	PR SW SWALE
	PR 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%.
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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.
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A	RESOURCE CONSENT	DJ	02/2025
Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	YC	11/2024	
Drawn	DJ	11/2024	
Checked	JP/LC	02/2025	



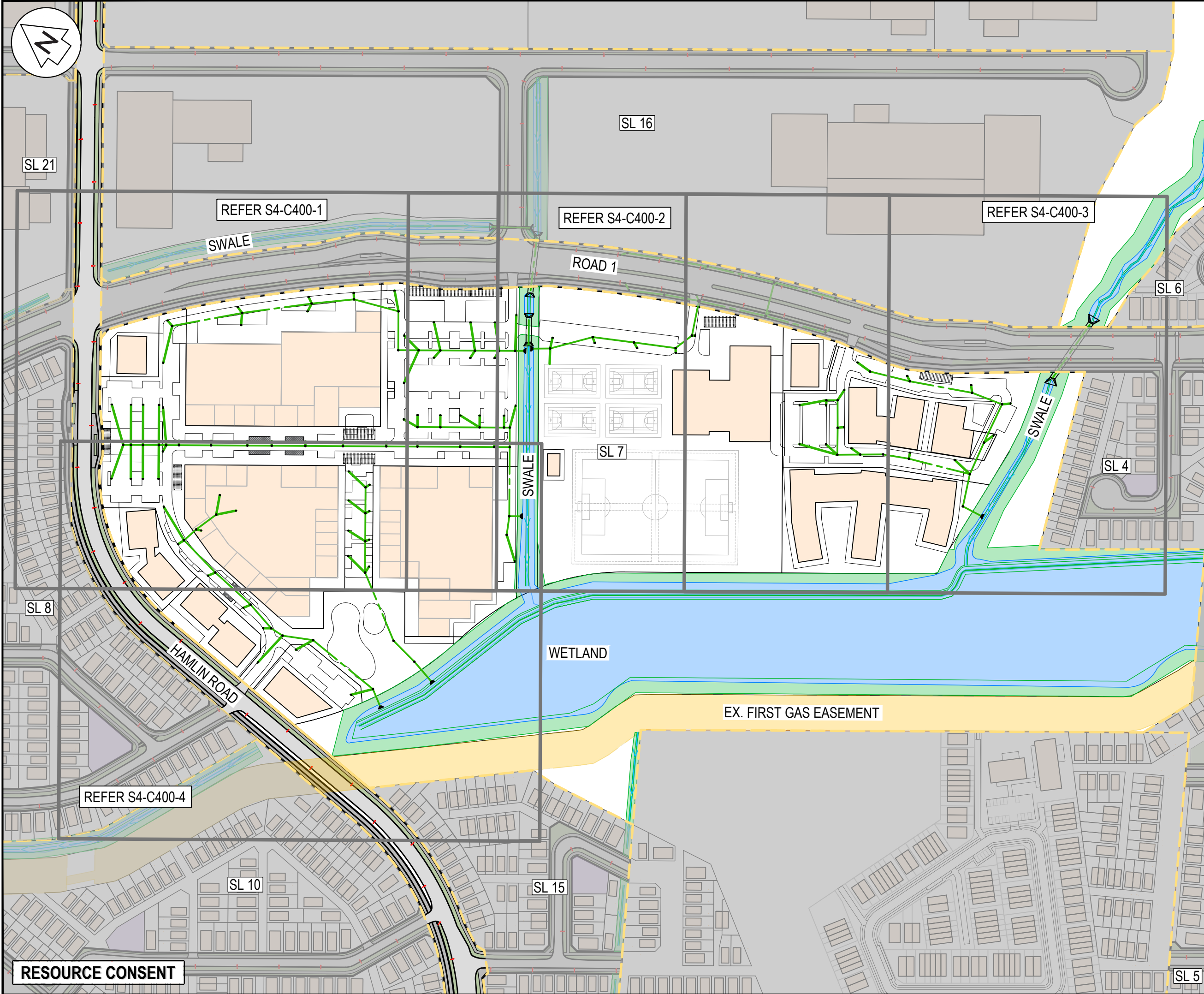
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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 7  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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	<b>A</b>





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 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)

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

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Project

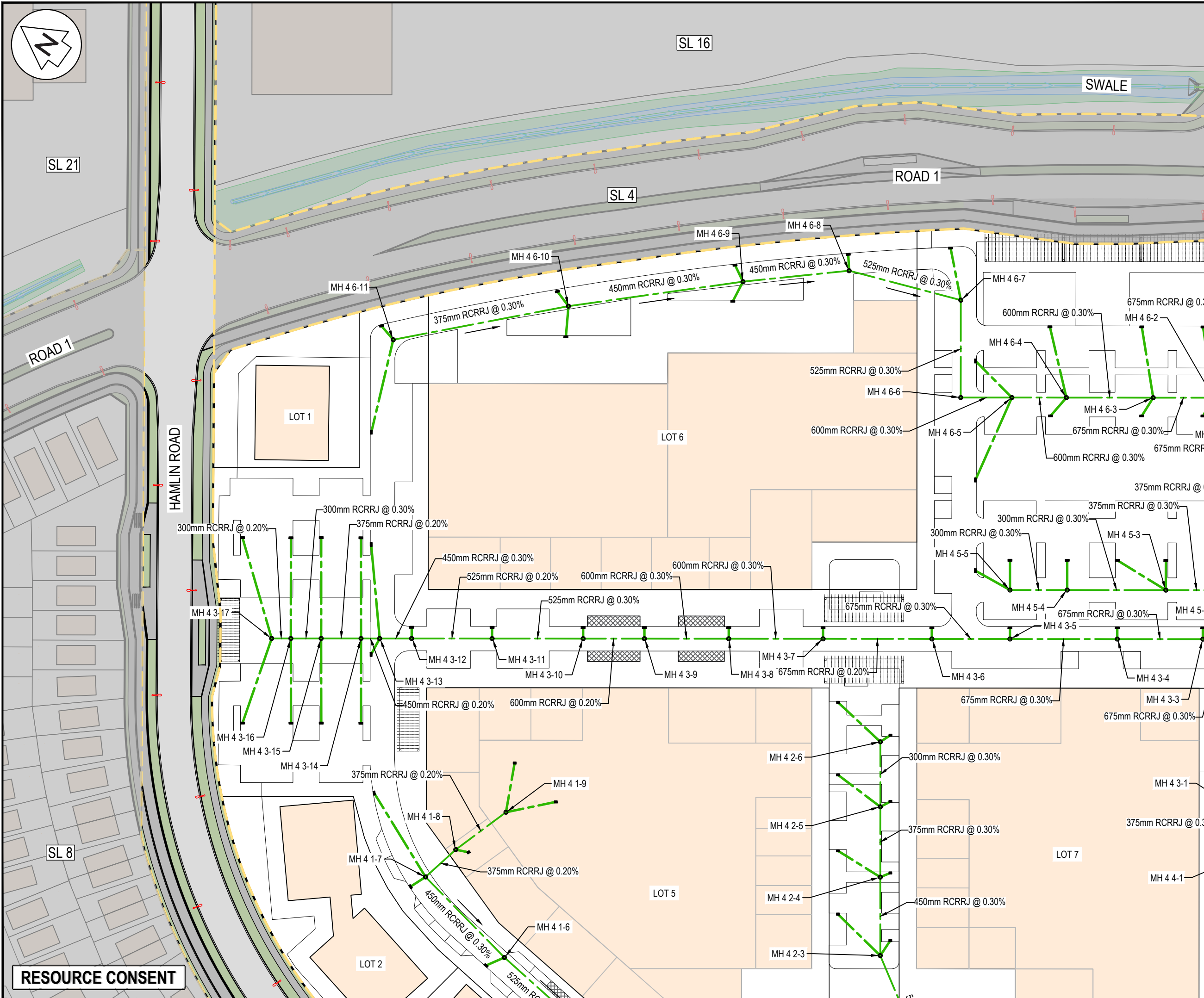
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 7  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

Title

**PROPOSED  
STORMWATER  
OVERVIEW**

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





NOTES

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

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

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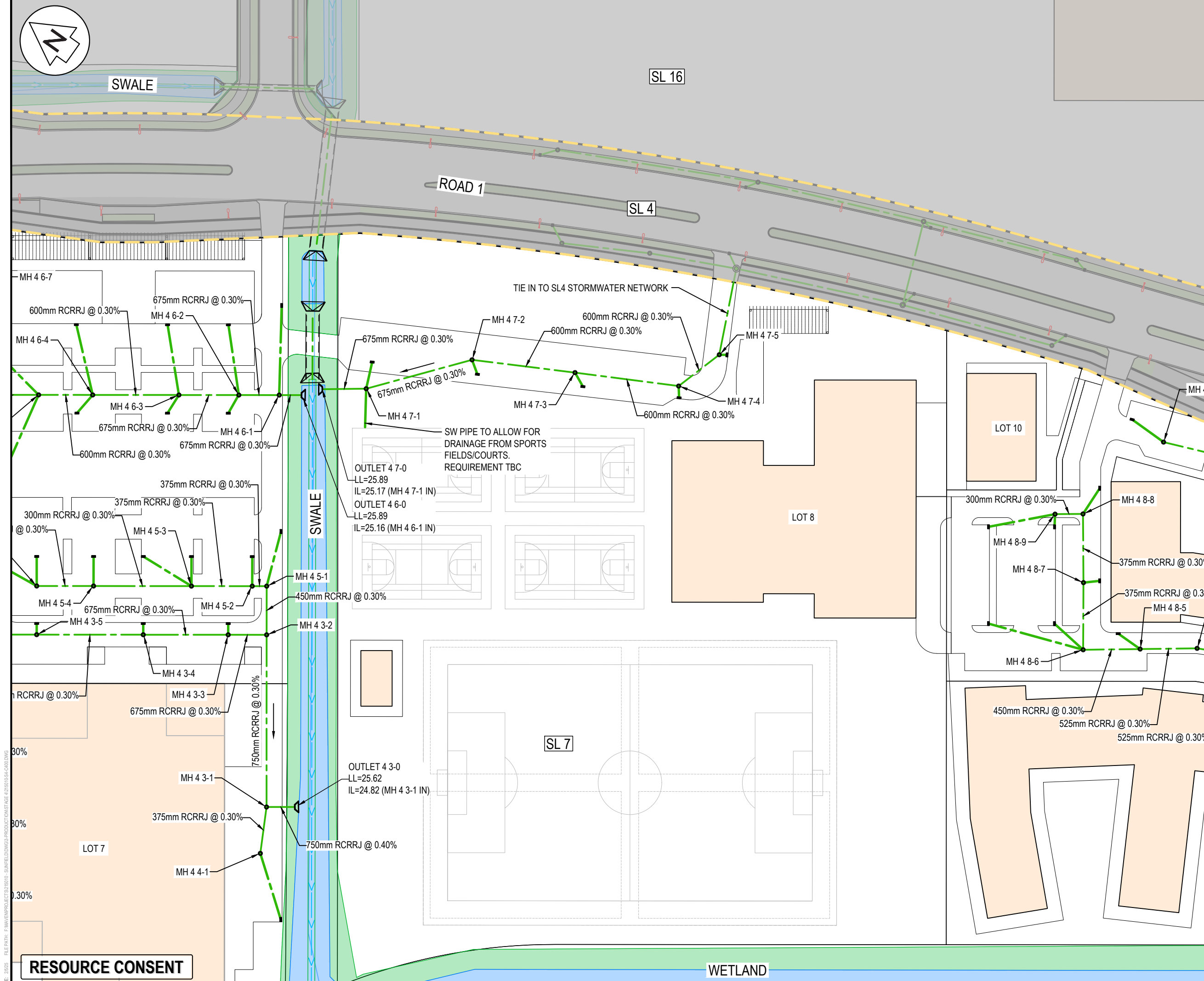
Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 7  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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	<b>A</b>

DATE: 25/02 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 4\215010-S4-C400.DWG

RESOURCE CONSENT



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

A		RESOURCE CONSENT	JAD	02/2025
Rev	Description	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	<b>A</b>

DATE: 25/03 FILE PATH: F:\Maven\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 4\215010-S4-C400.DWG

**RESOURCE CONSENT**

**WETLAND**





SL 16

SL 4

SL 6

ROAD 1

SL 4

ROAD 18

WETLAND

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

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

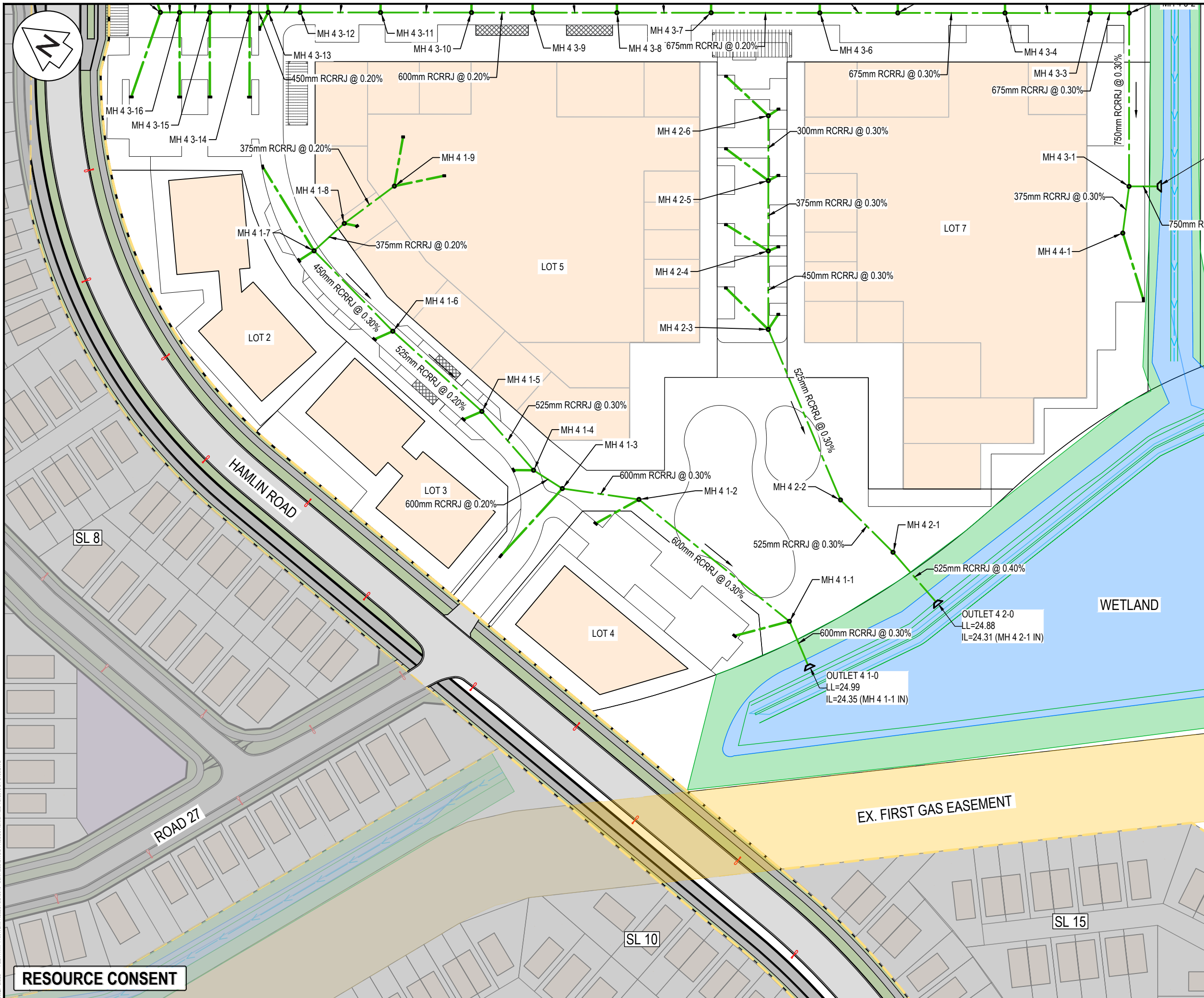


Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 7  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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	<b>A</b>

RESOURCE CONSENT



NOTES

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- 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)

A	RESOURCE CONSENT	JAD	02/2025
Rev	Description	By	Date
		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

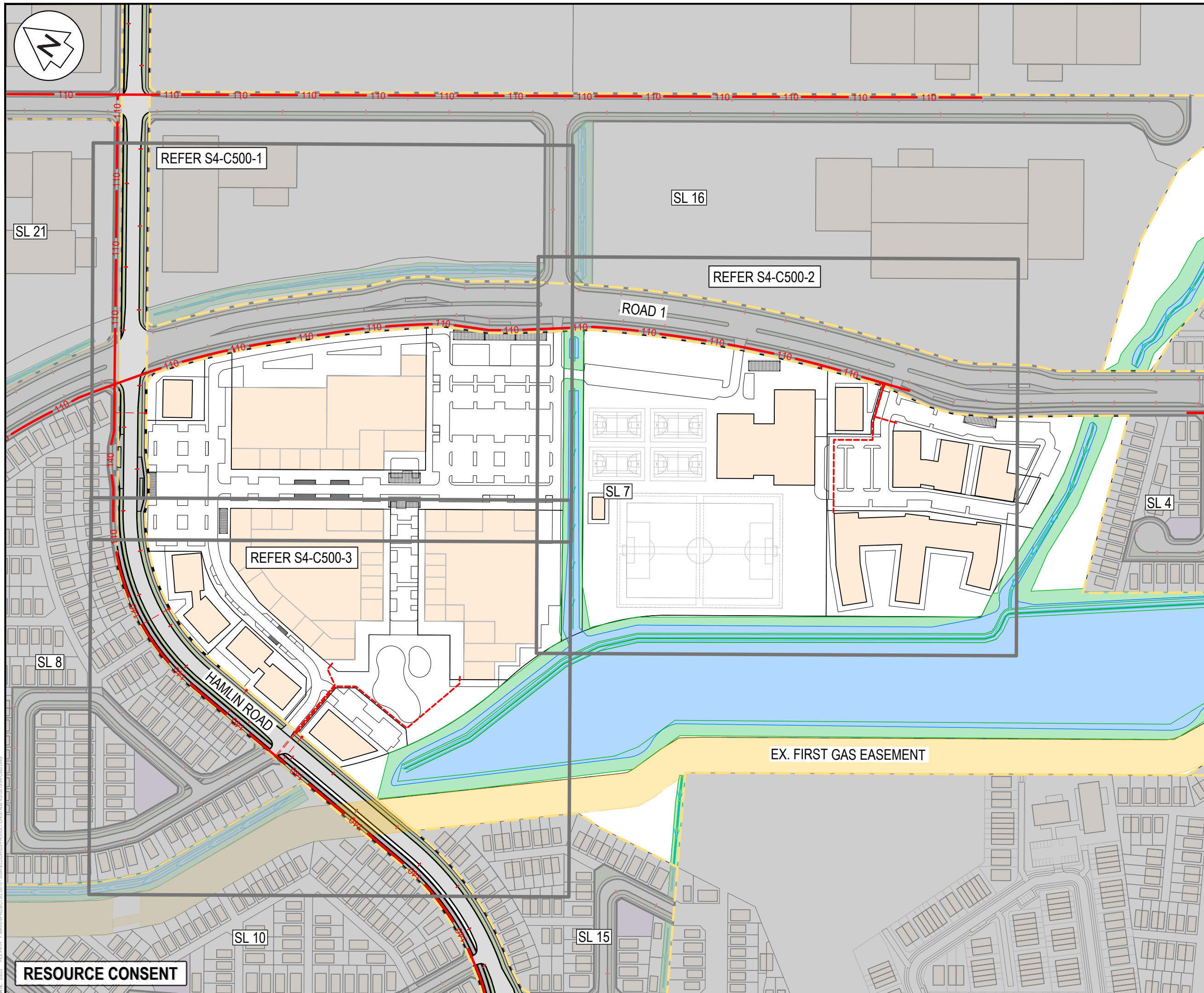
**PROPOSED  
STORMWATER  
PLAN: SHEET 4**

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

DATE: 25/03 FILE PATH: F:\MAVEN\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 4\215010-S4-C400.DWG

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  
 110 110 PR WASTEWATER BULK  
 125 125 MAIN (LPS)  
 160 160  
 PR BDY KIT - SINGLE  
 PR BDY KIT - DOUBLE  
 SUPER LOT BDY

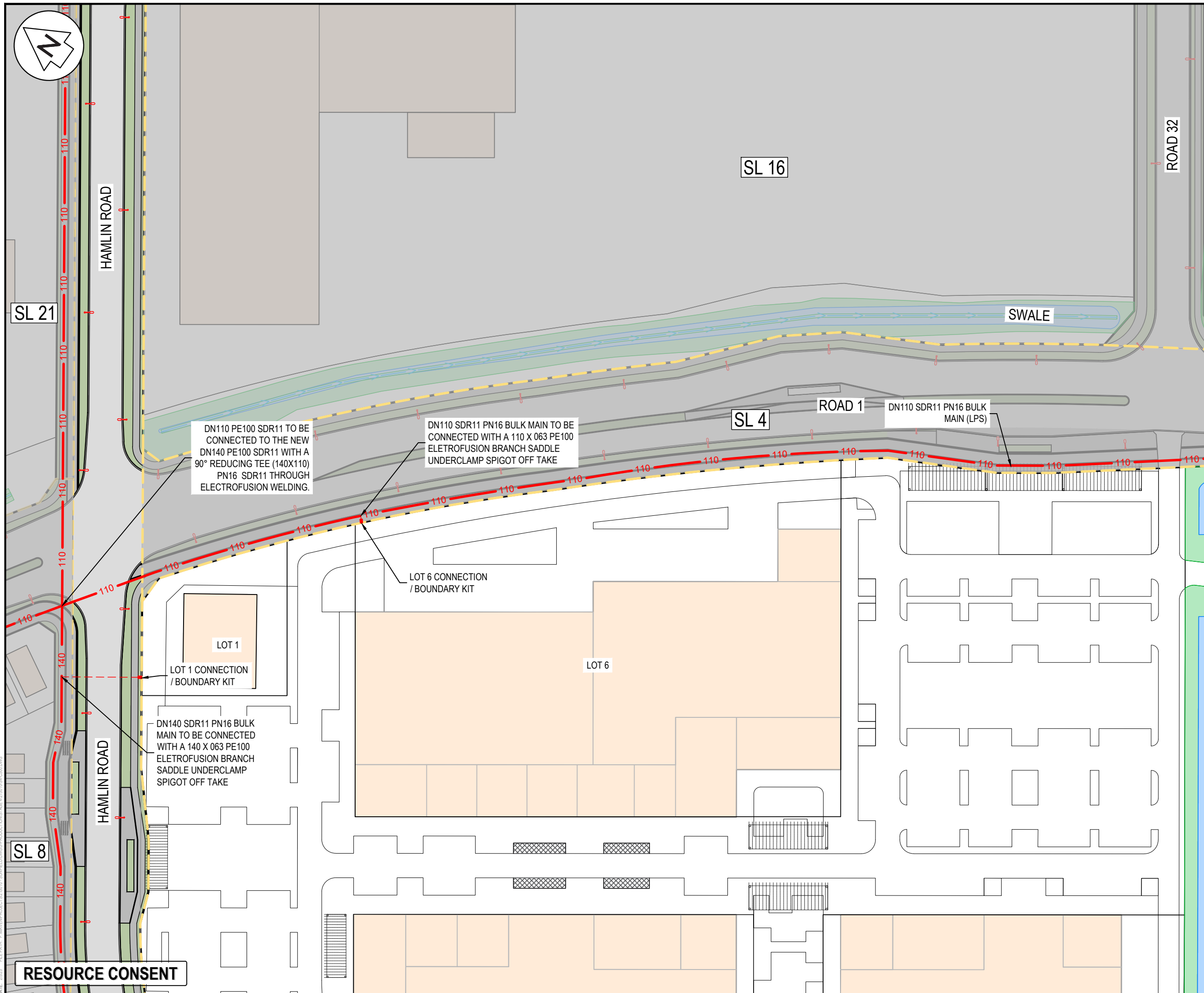
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Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	CE	11/2024	
Drawn	KN	11/2024	
Checked	JP/LC	02/2025	



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

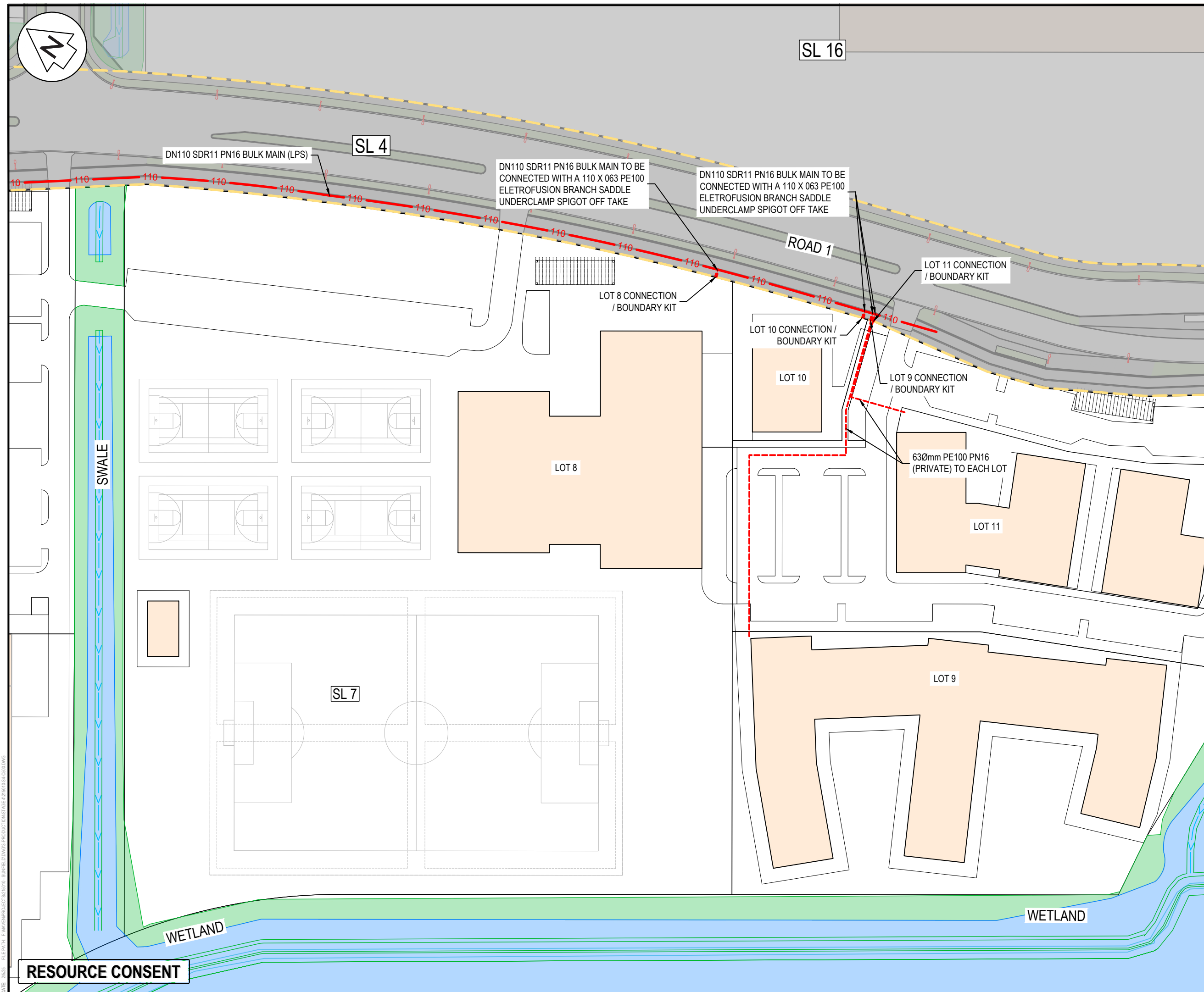
Title	<b>PROPOSED WASTEWATER OVERVIEW</b>
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Project no.	215010		
Scale	1:2500 @ A3		
Cad file	215010-S4-C500.DWG		
Drawing no.	S4-C500-0	Rev	<b>A</b>



DATE: 2/5/25 FILE PATH: F:\WAVEN\PROJECTS\215010 - SUNFIELD\DWG3-PRODUCTION\STAGE 4\215010-S4-C500.DWG





WASTEWATER NOTES

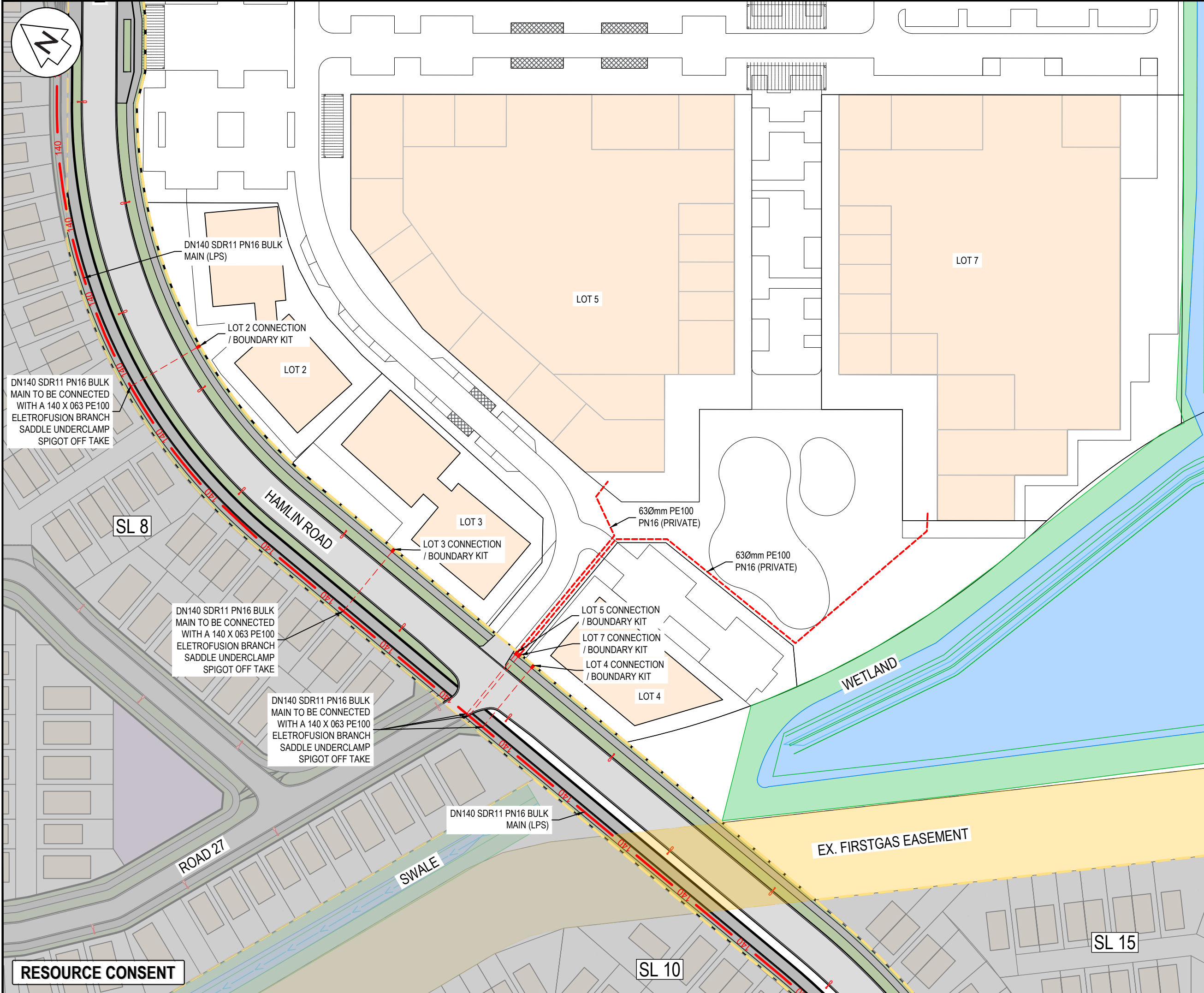
**LEGEND**

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



Title

**PROPOSED  
WASTEWATER  
PLAN: SHEET 2**



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

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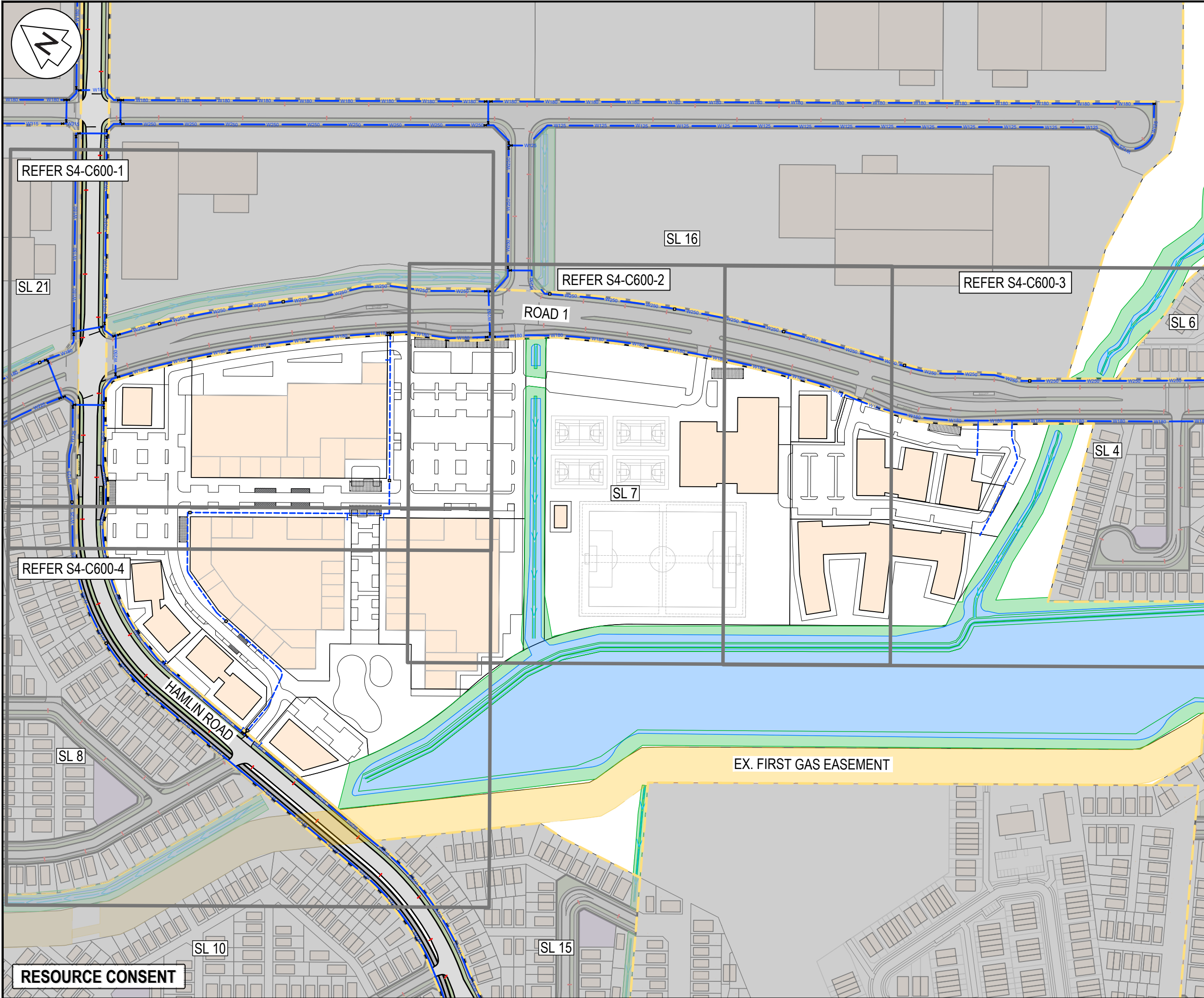
Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 7  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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	<b>A</b>

DATE: 25/25 FILE PATH: F:\MVEN\PROJECTS\215010 - SUNFIELD\DWG\3-PRODUCTION\STAGE 4\215010-S4-C500.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 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 ABUTTING BDY
---	PR BDY
---	PR INTERNAL BDY
---	EX WATERMAIN
---	PR WATERMAIN
---	PR WATERMAIN 100mm
---	PR WATER PRIVATE
---	EX/PR HYDRANT
---	EX/PR METER
---	EX SLUIE VALVE
---	EX PEET VALVE
---	PR SLUIE VALVE
---	PR PEET VALVE
---	SUPER LOT BDY

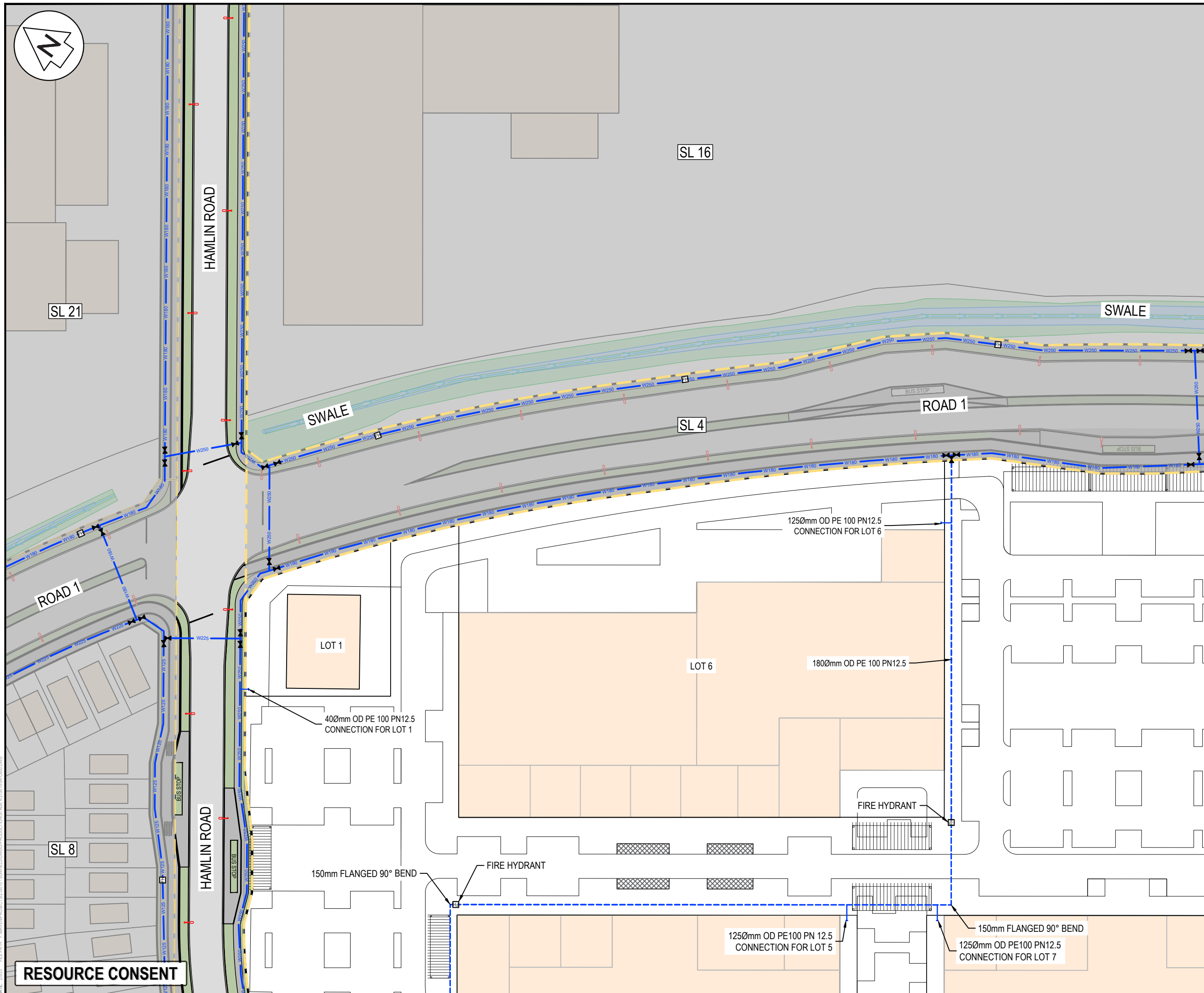
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Rev	Description	By	Date
	By	Date	
Survey	SURVEYWORX	02/2021	
Design	SP	11/2024	
Drawn	SP	12/2024	
Checked	JP/LC	02/2025	

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

Title  
**PROPOSED  
WATER SUPPLY  
OVERVIEW**

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



- NOTES
1. ALL WORKS TO BE IN ACCORDANCE WITH AUCKLAND COUNCIL STANDARDS.
  2. IT IS THE CONTRACTORS RESPONSIBILITY TO LOCATE ANY UNDERGROUND SERVICES PRIOR TO THE COMMENCEMENT OF WORKS.
  3. MINIMUM COVER SHALL BE:  

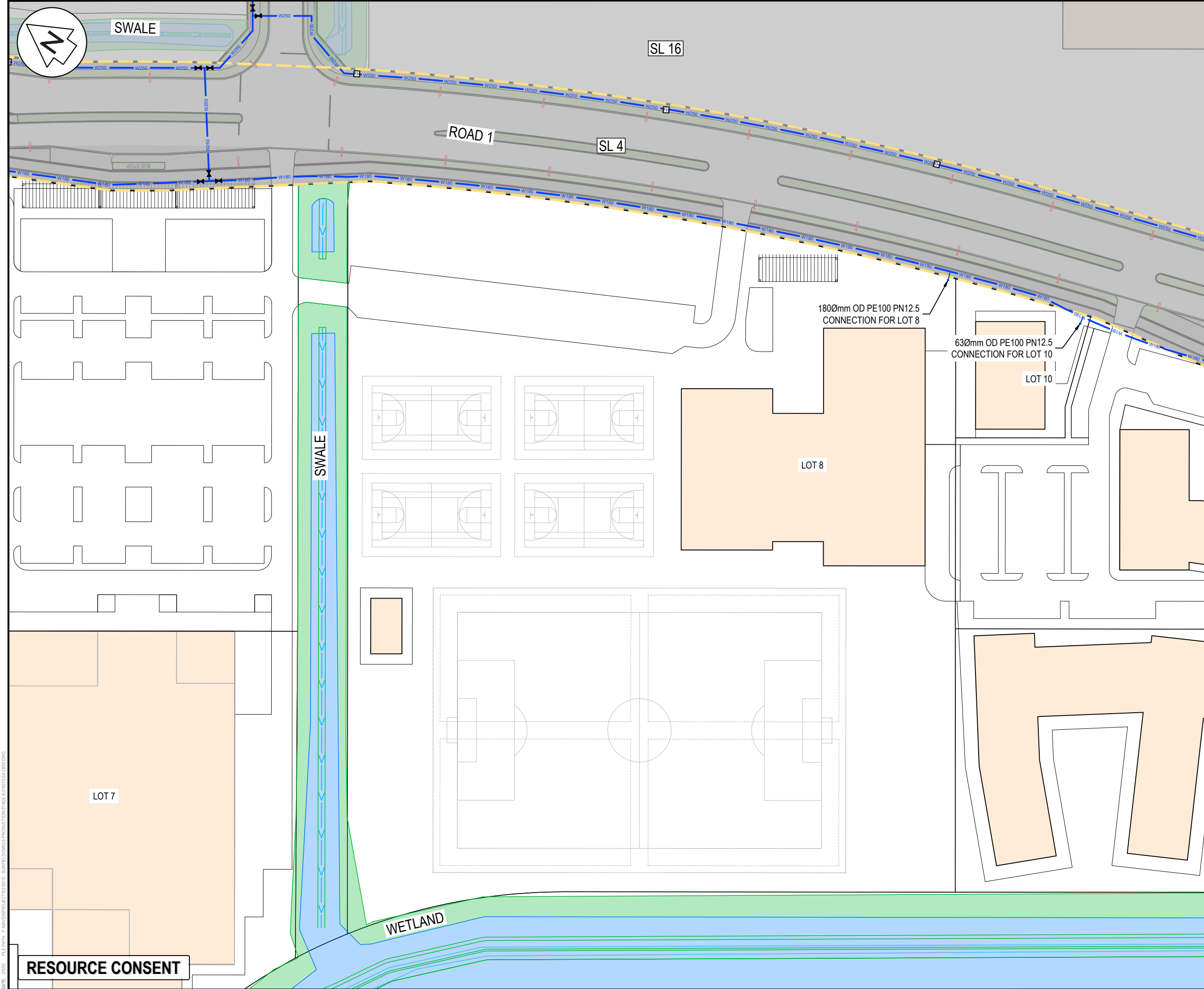
ROADS AND FRONT 1M OF BERM:	900mm
BERMS	600mm
SERVICE CONNECTIONS:	450mm
  4. WATERMANS LAID ACROSS ROADS SHALL BE BACKFILLED WITH HARDFILL COMPACTED IN 200mm LAYERS ABOVE THE EMBEEDMENT MATERIAL.
  5. ALL UPVC PIPE SHALL BE PN12 MINIMUM PRESSURE RATED WITH SPIGNOT AND SOCKET RUBBER RING JOINTS.
  6. ALL PE PIPE SHALL BE PN12.5 MINIMUM PRESSURE RATED WITH BUTT-WELDED. WELD BEADS SHALL BE REMOVED TO PROVIDE A SMOOTH BORE.
  7. ALL NON-METALIC PIPES ARE TO HAVE TRACER WIRE FITTED TO COUNCIL STANDARDS.
  8. PIPES SHALL BE BEDDED AND SURROUNDED TO 150MM ABOVE THE PIPE SOFFIT WITH SAND OR AP20.
  9. METAL DETECTOR TAPE PRINTED WITH 'WATER PIPE BELOW' SHALL BE LAID 150MM ABOVE ALL WATERMANS.
  10. A YELLOW ISOCELES TRIANGLE WITH CATS EYE POINTING TO FH SHALL BE PAINTED IN THE CENTRE OF ALL SEALED ROADS.
  11. ALL VALVES TO BE MARKED WITH SAWCUT KERB AND BLUE PAINT.
  12. ALL FLANGE JOINTS TO BE PROTECTED WITH DENSO TAPE OR SIMILAR APPROVED BY THE ENGINEER.

A	RESOURCE CONSENT	DJ	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	

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

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





NOTES

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

LEGEND

---	EX 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

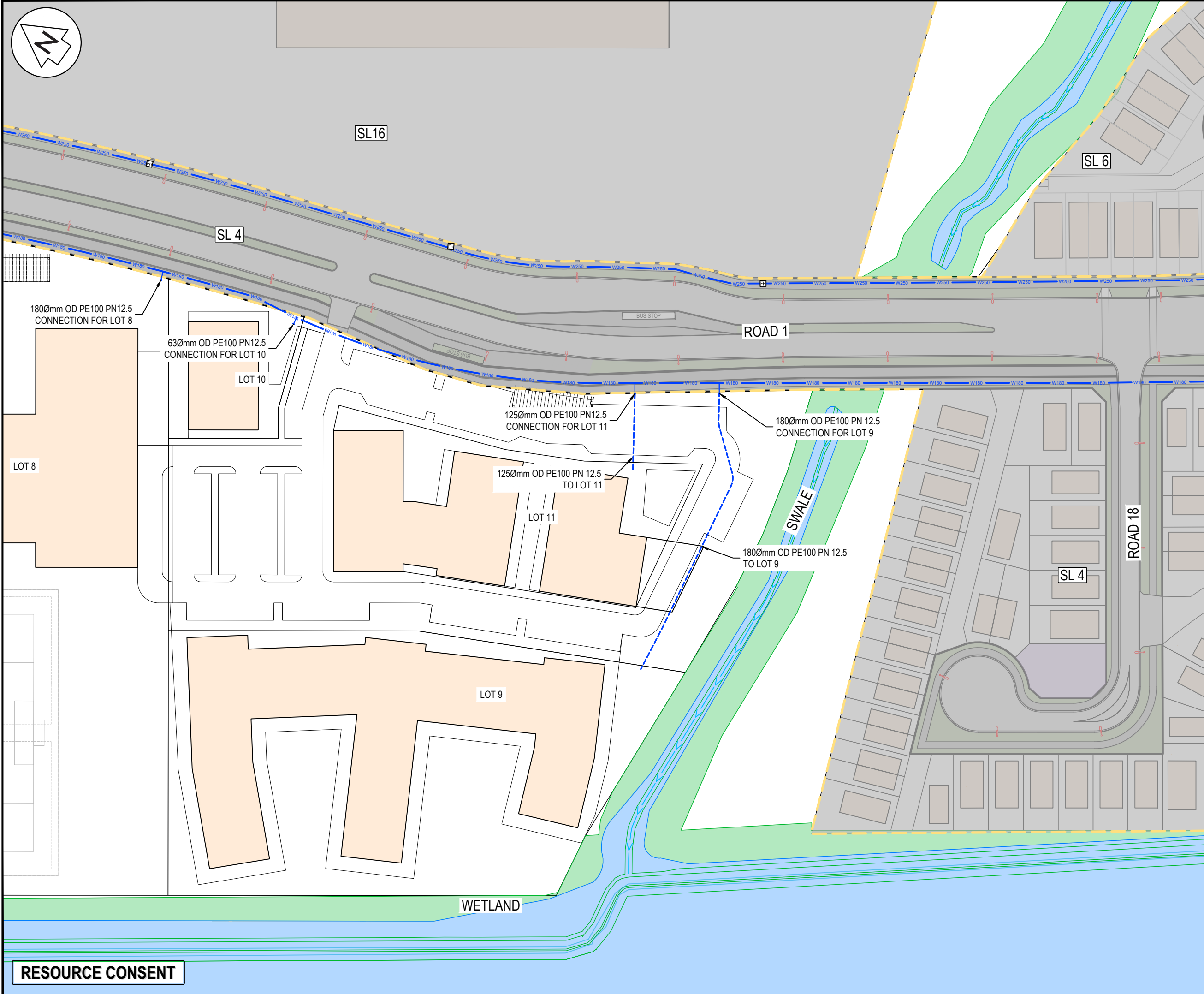
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Rev	Description	By	Date
		By	Date
Survey	SURVEYWORX		02/2021
Design	AS		11/2024
Drawn	KN		11/2024
Checked	JP/LC		02/2025

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Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 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	<b>A</b>



- 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

A	RESOURCE CONSENT	DJ	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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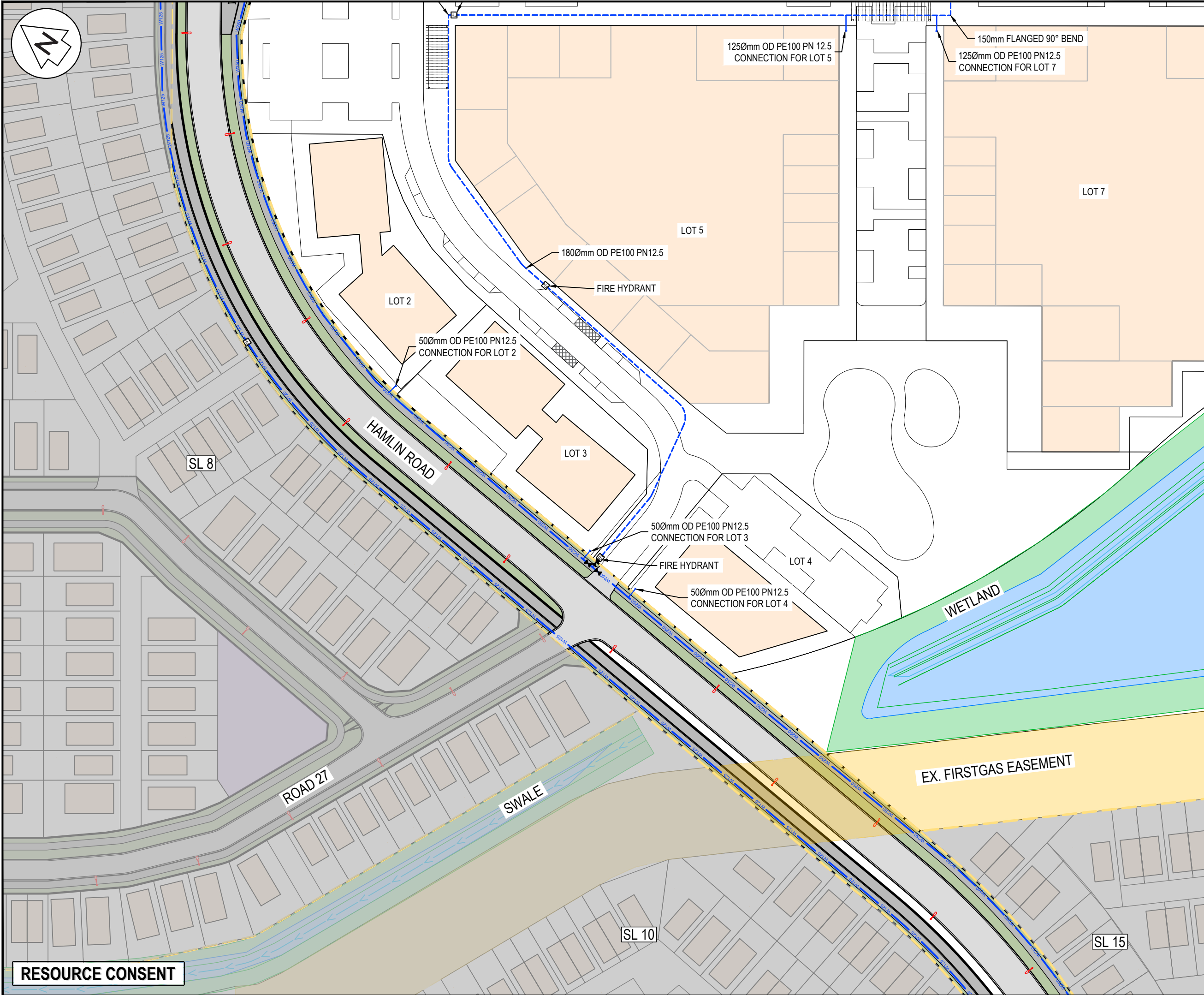
Project  
**SUNFIELD DEVELOPMENT  
ARDMORE, AUCKLAND  
SUPERLOT 7  
FOR SUNFIELD  
DEVELOPMENTS LIMITED**

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	<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 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 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

A	RESOURCE CONSENT	DJ	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 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	<b>A</b>