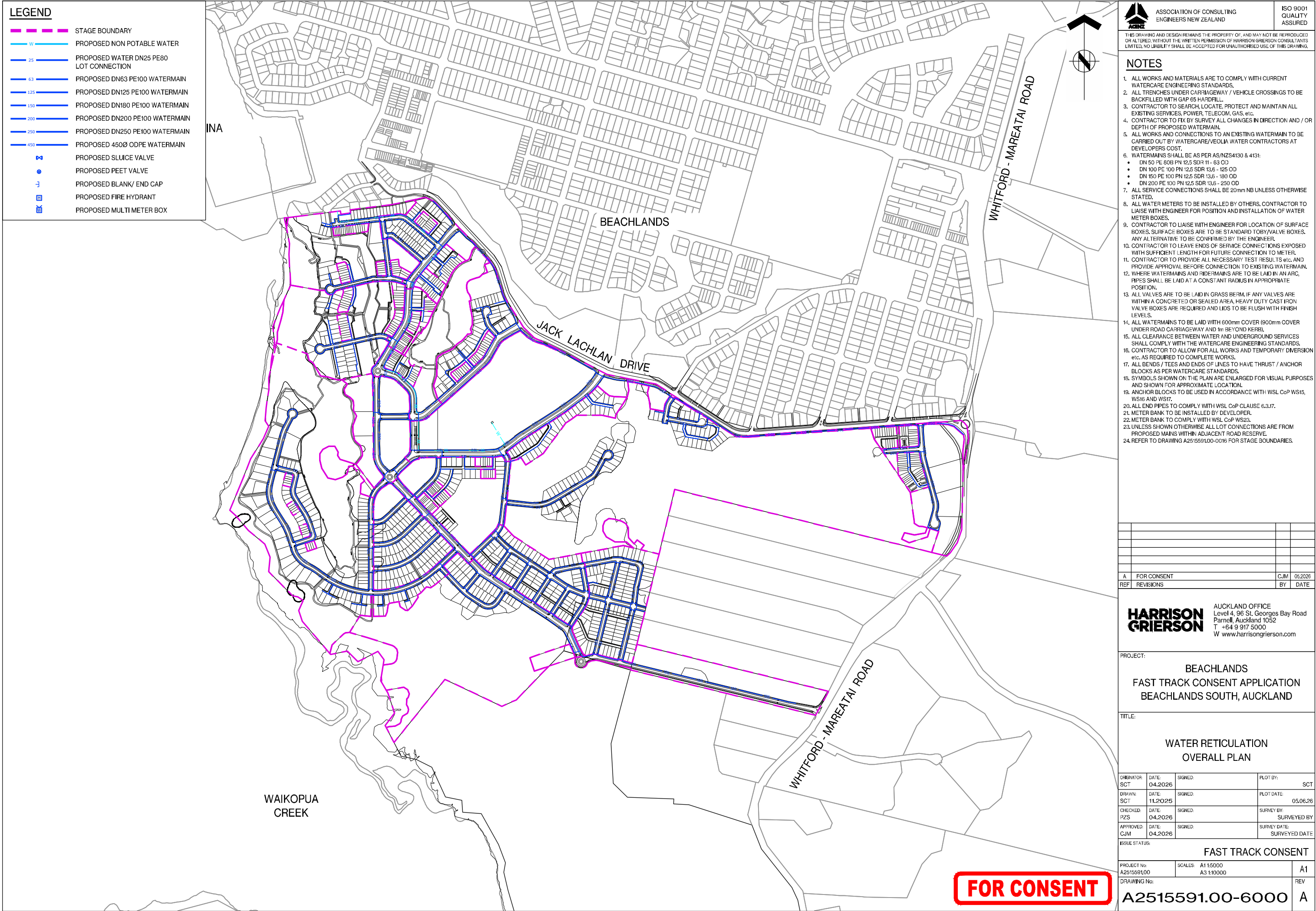
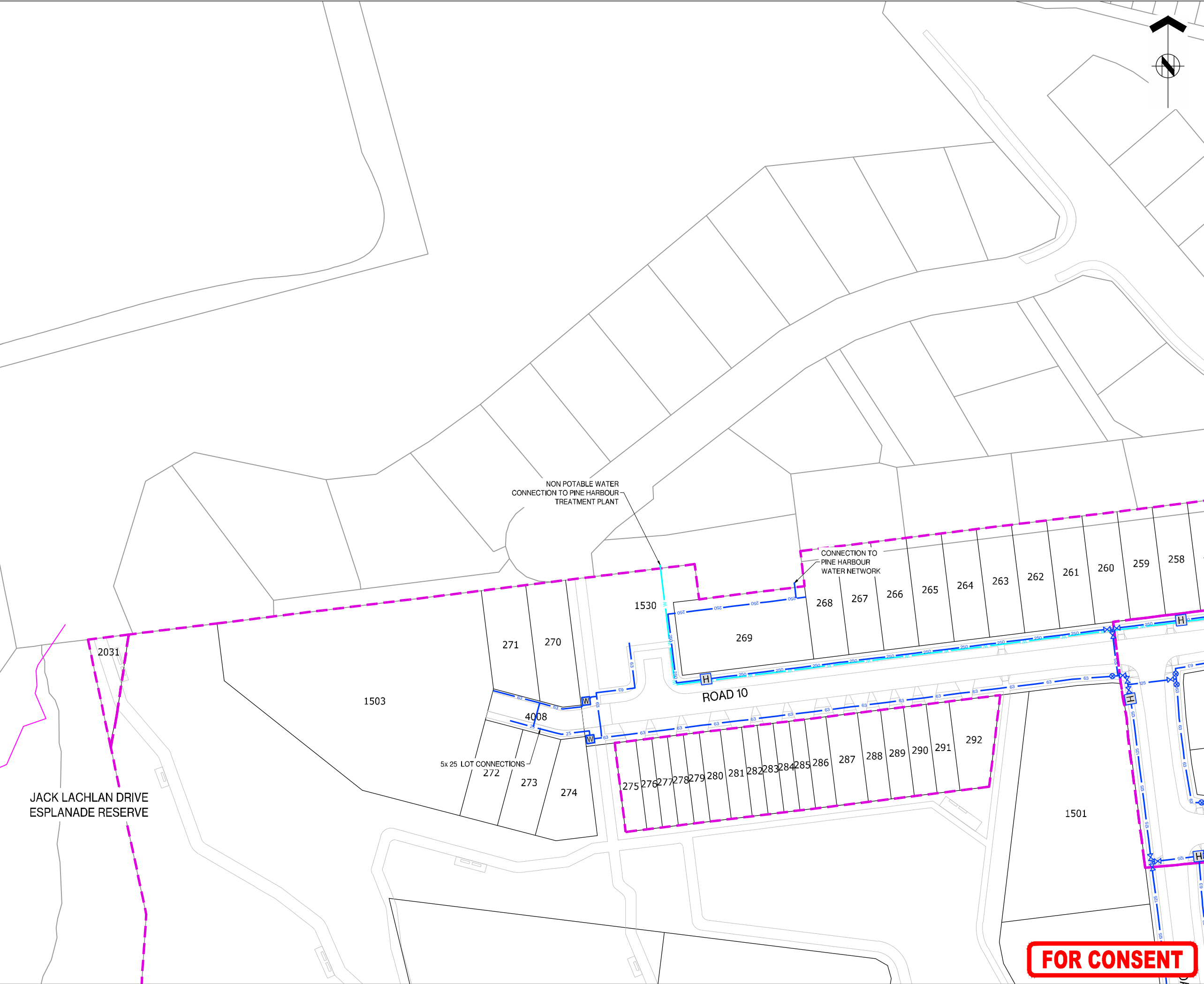








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**KEY PLAN**



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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 1 OF 35

|             |         |         |               |
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| ORIGINATOR: | DATE:   | SIGNED: | PLOT BY:      |
| SCT         | 04.2026 |         | SCT           |
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| SCT         | 11.2025 |         | 05.06.26      |
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| PZS         | 04.2026 |         | SURVEYED BY   |
| APPROVED:   | DATE:   | SIGNED: | SURVEY DATE:  |
| CJM         | 04.2026 |         | SURVEYED DATE |

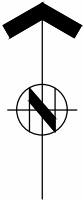
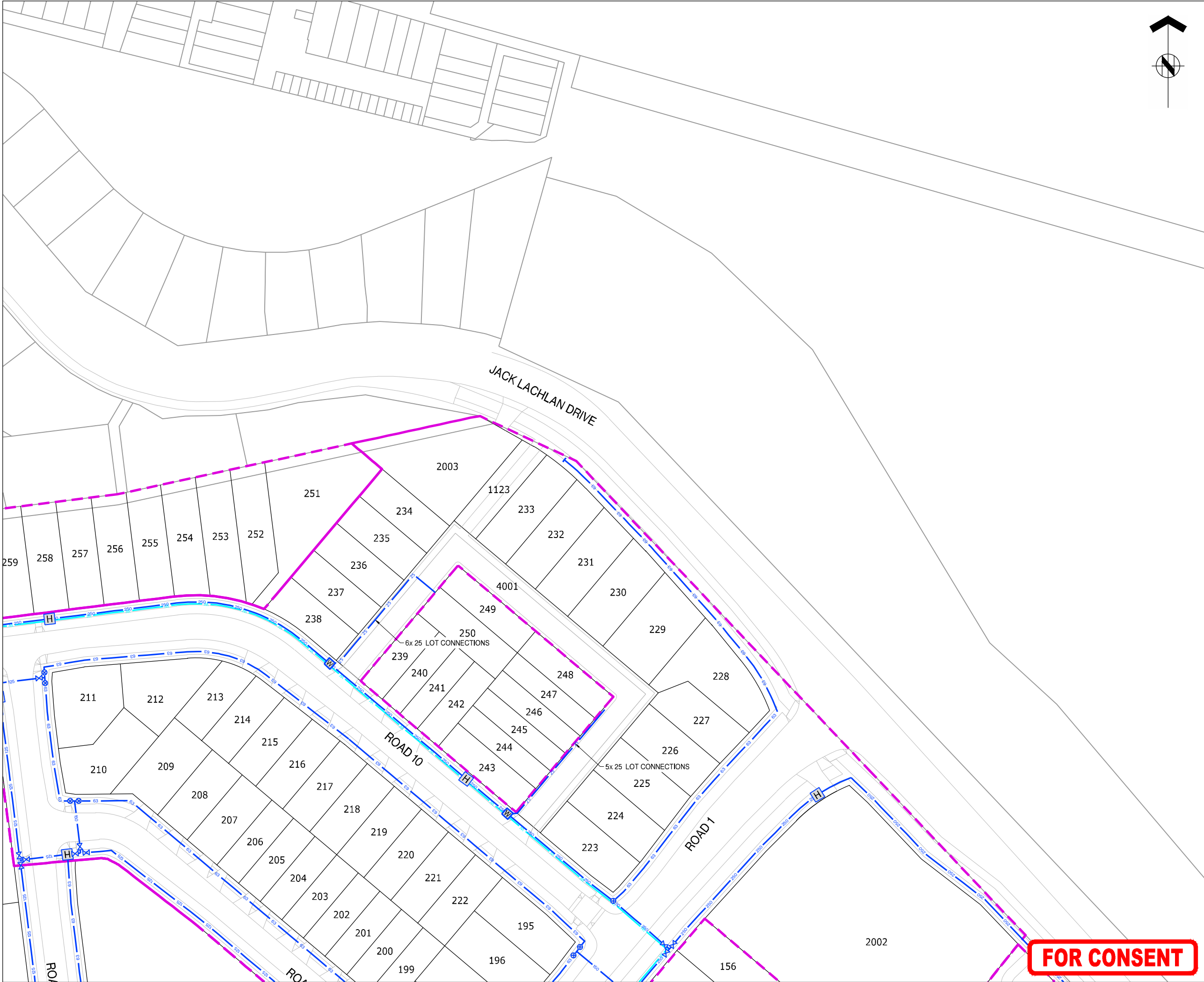
ISSUE STATUS:

FAST TRACK CONSENT

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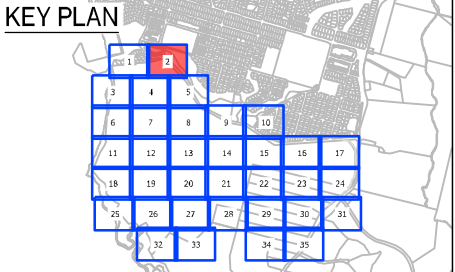
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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 2 OF 35

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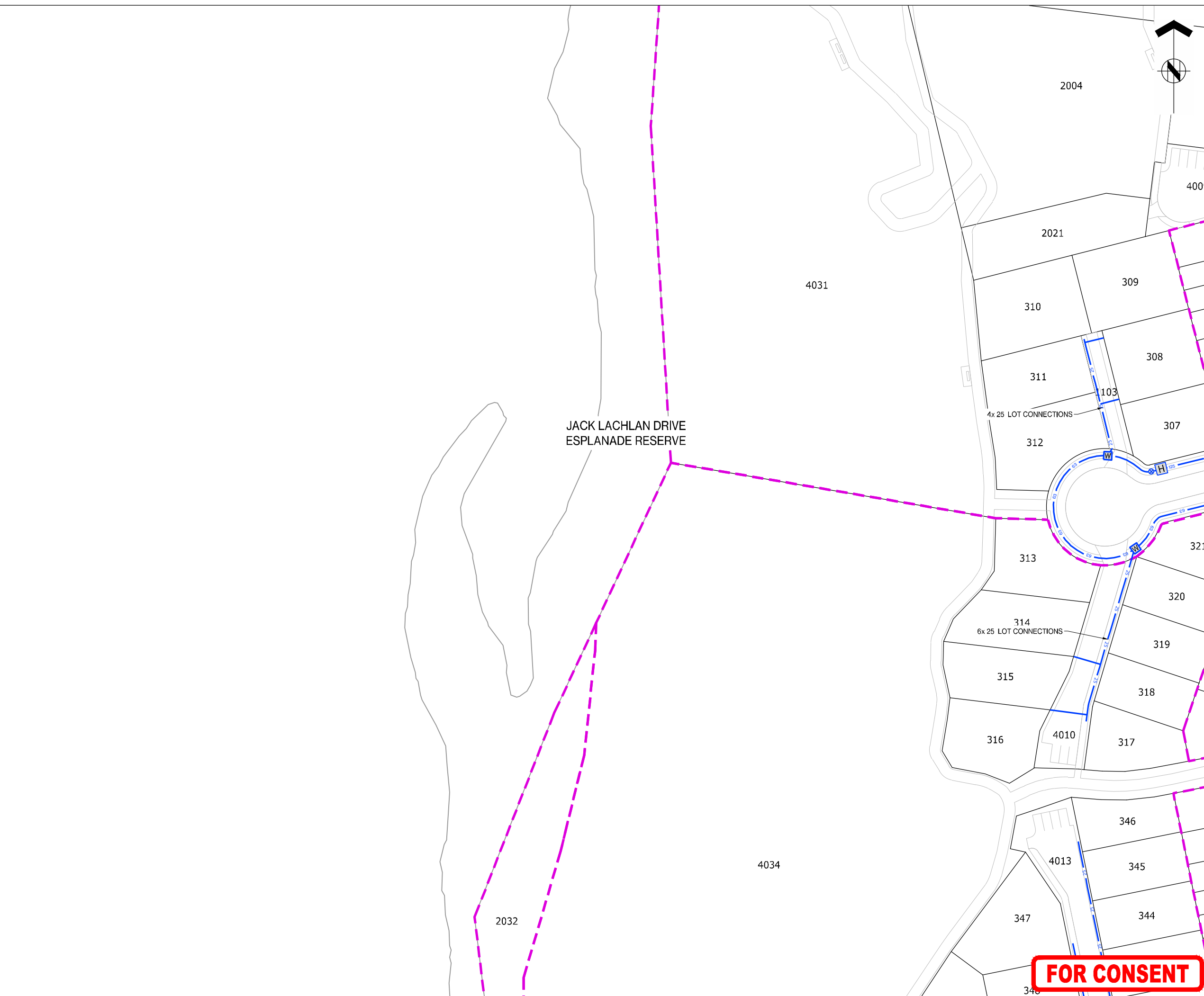


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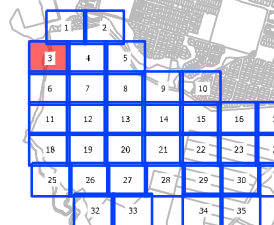
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## KEY PLAN



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PROJECT:

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BEACHLANDS SOUTH, AUCKLAND

**TITLE:**

WATER RETICULATION PLAN  
SHEET 3 OF 35

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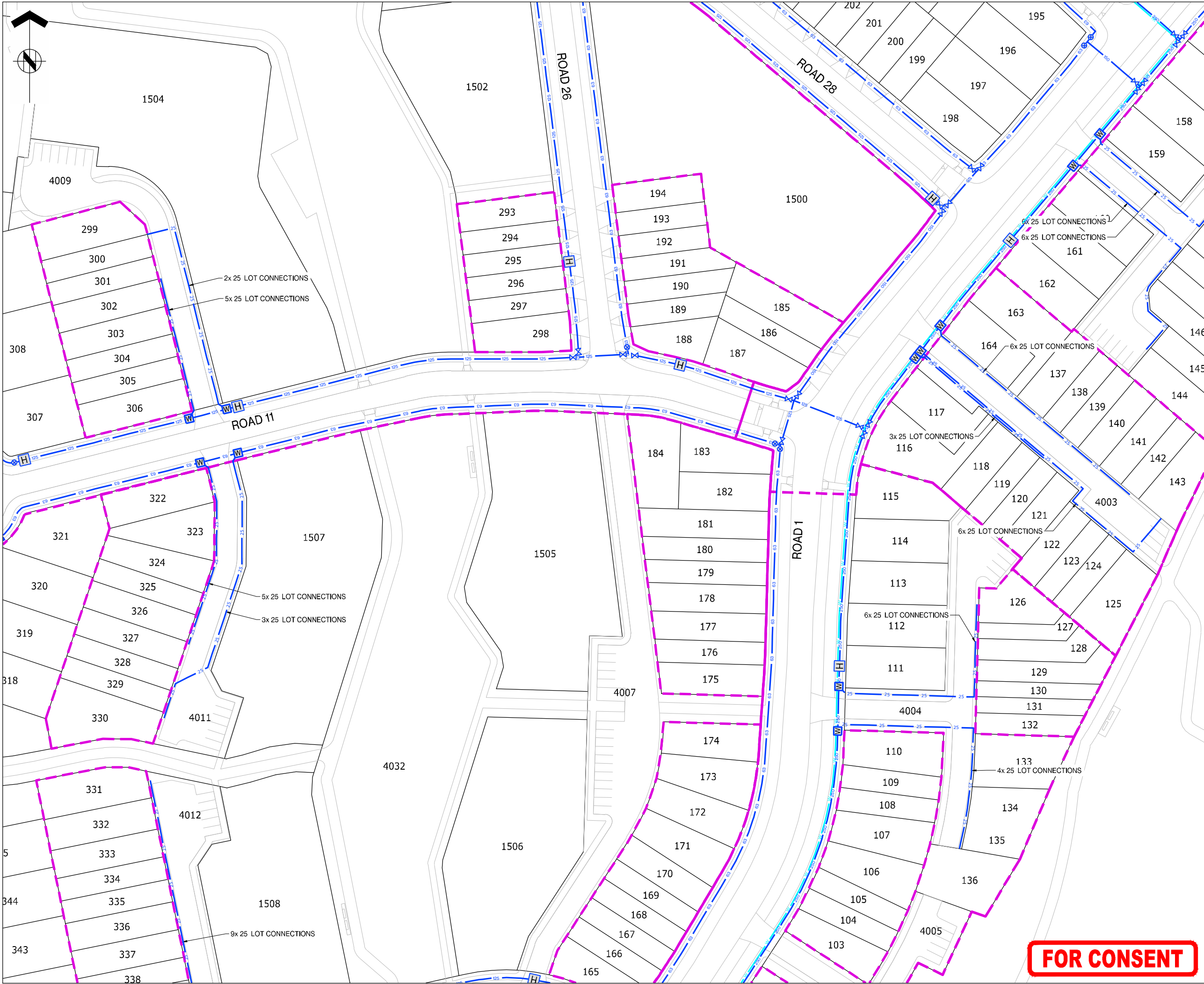
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**WATER RETICULATION PLAN  
SHEET 4 OF 35**

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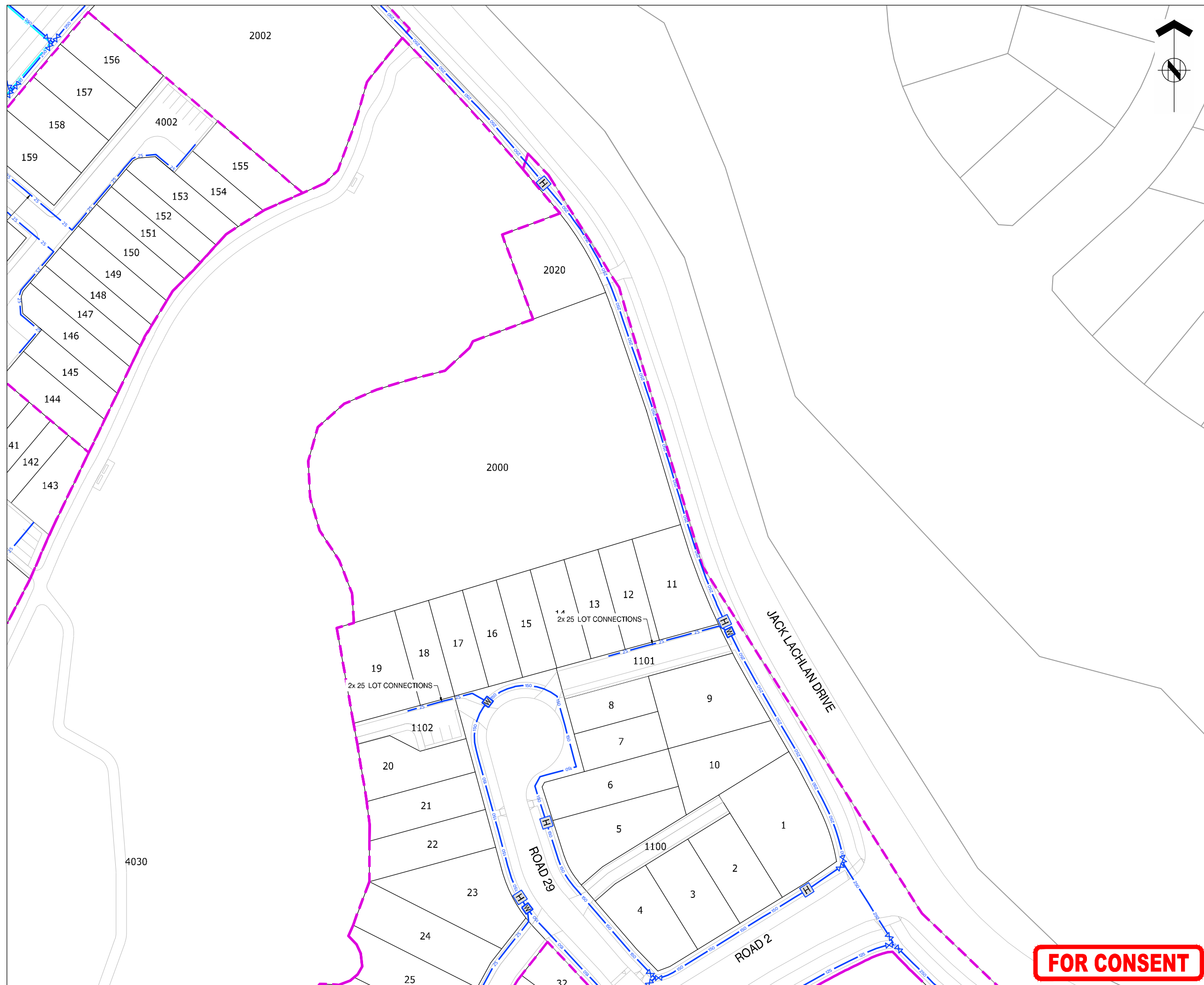
ISSUE STATUS:  
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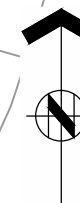
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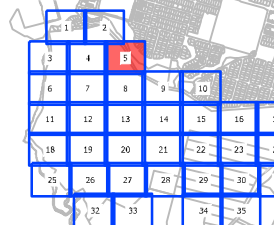
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## KEY PLAN



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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 5 OF 35

|                    |                  |         |                             |
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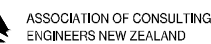
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PROJECT:

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FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 6 OF 35

|                    |                  |         |                             |
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| ORIGINATOR:<br>SCT | DATE:<br>04.2026 | SIGNED: | PLOT BY:                    |
| DRAWN:<br>SCT      | DATE:<br>11.2025 | SIGNED: | PLOT DATE:<br>05.06         |
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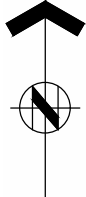
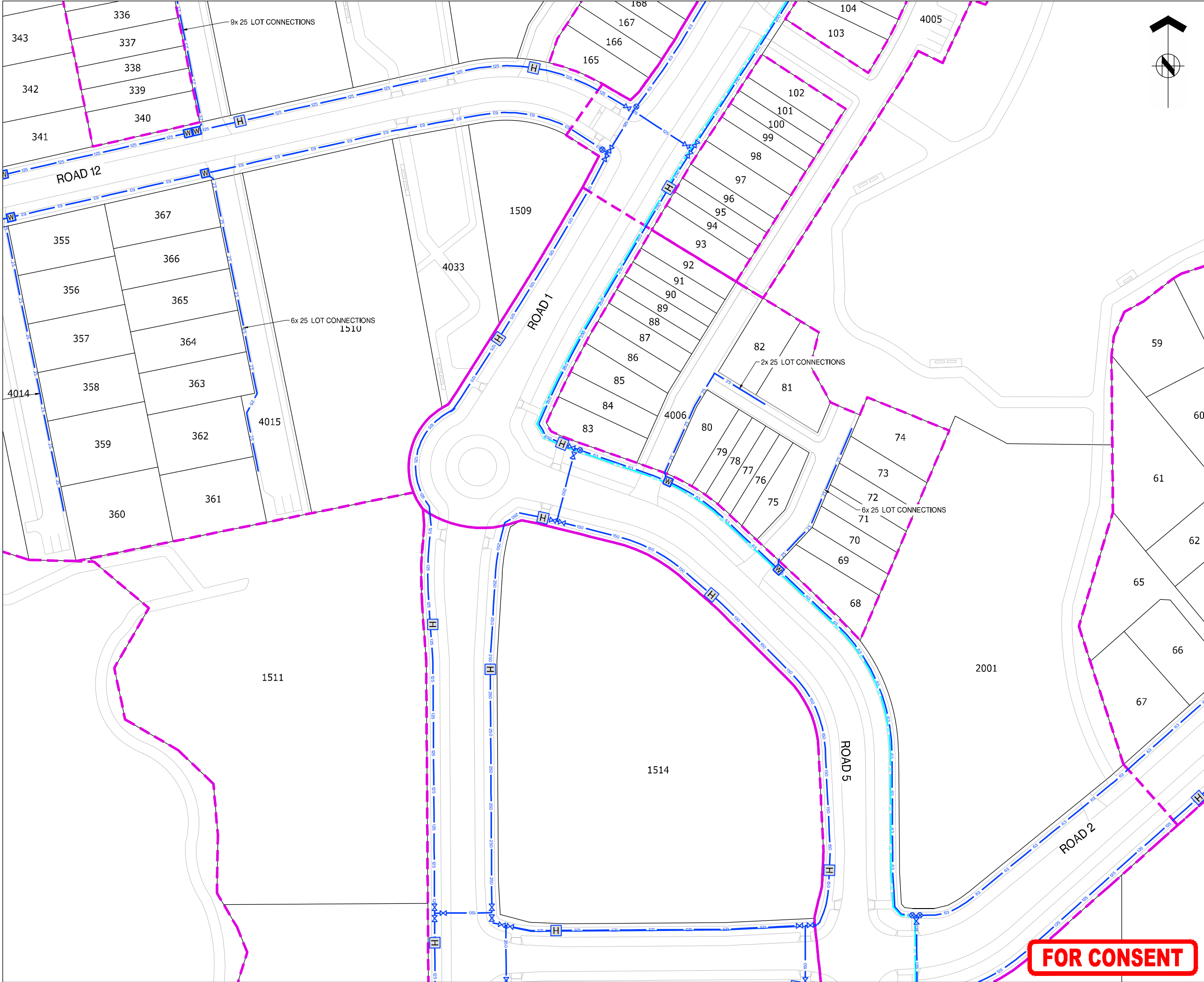
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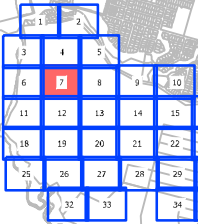




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PROJECT:  
**BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND**

TITLE:  
**WATER RETICULATION PLAN  
SHEET 7 OF 35**

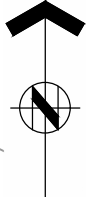
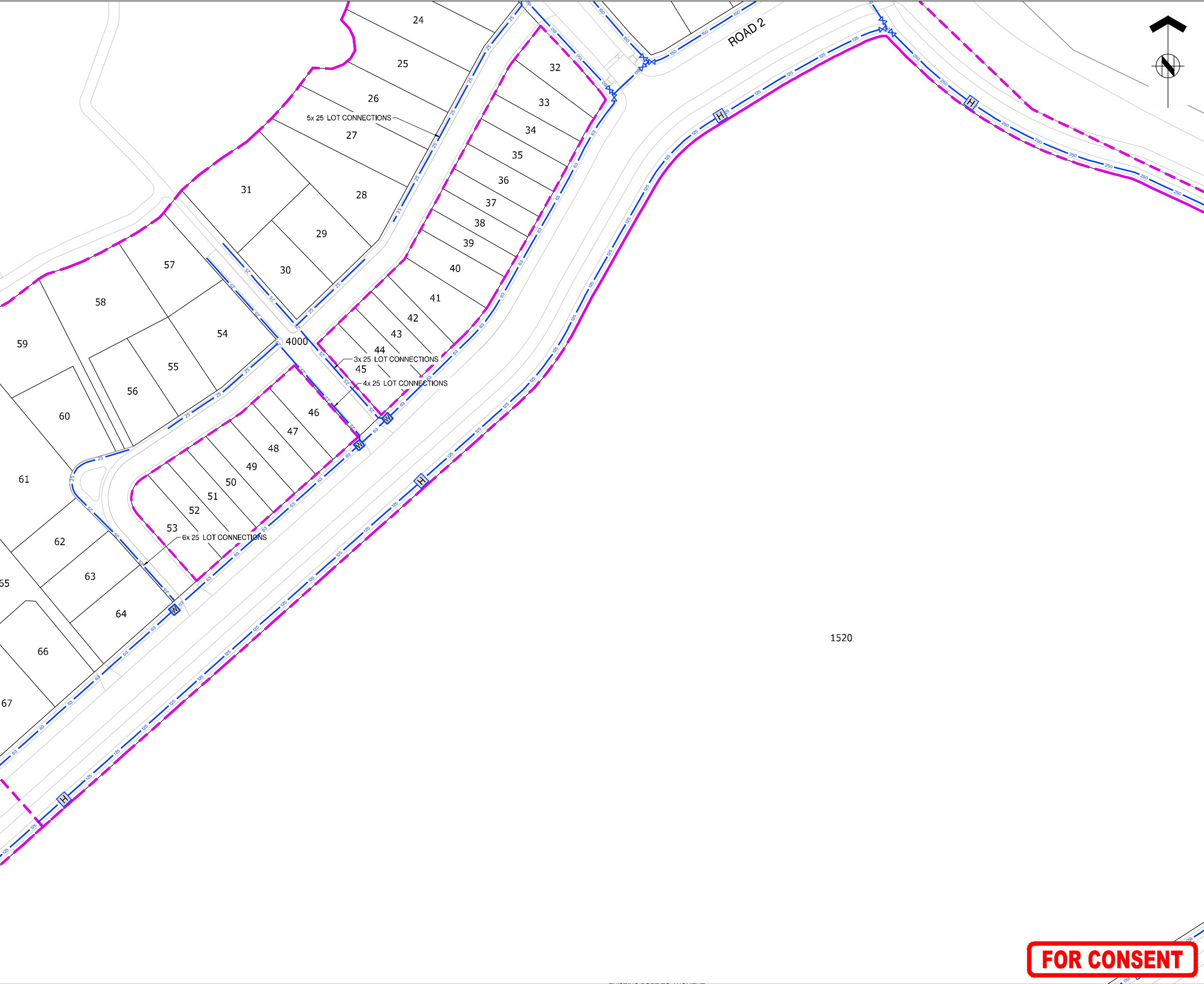
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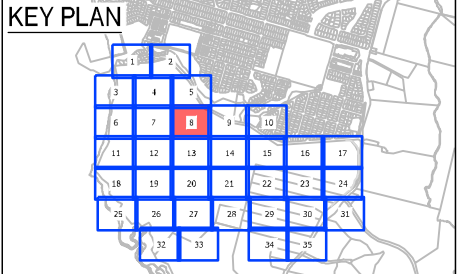
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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 8 OF 35

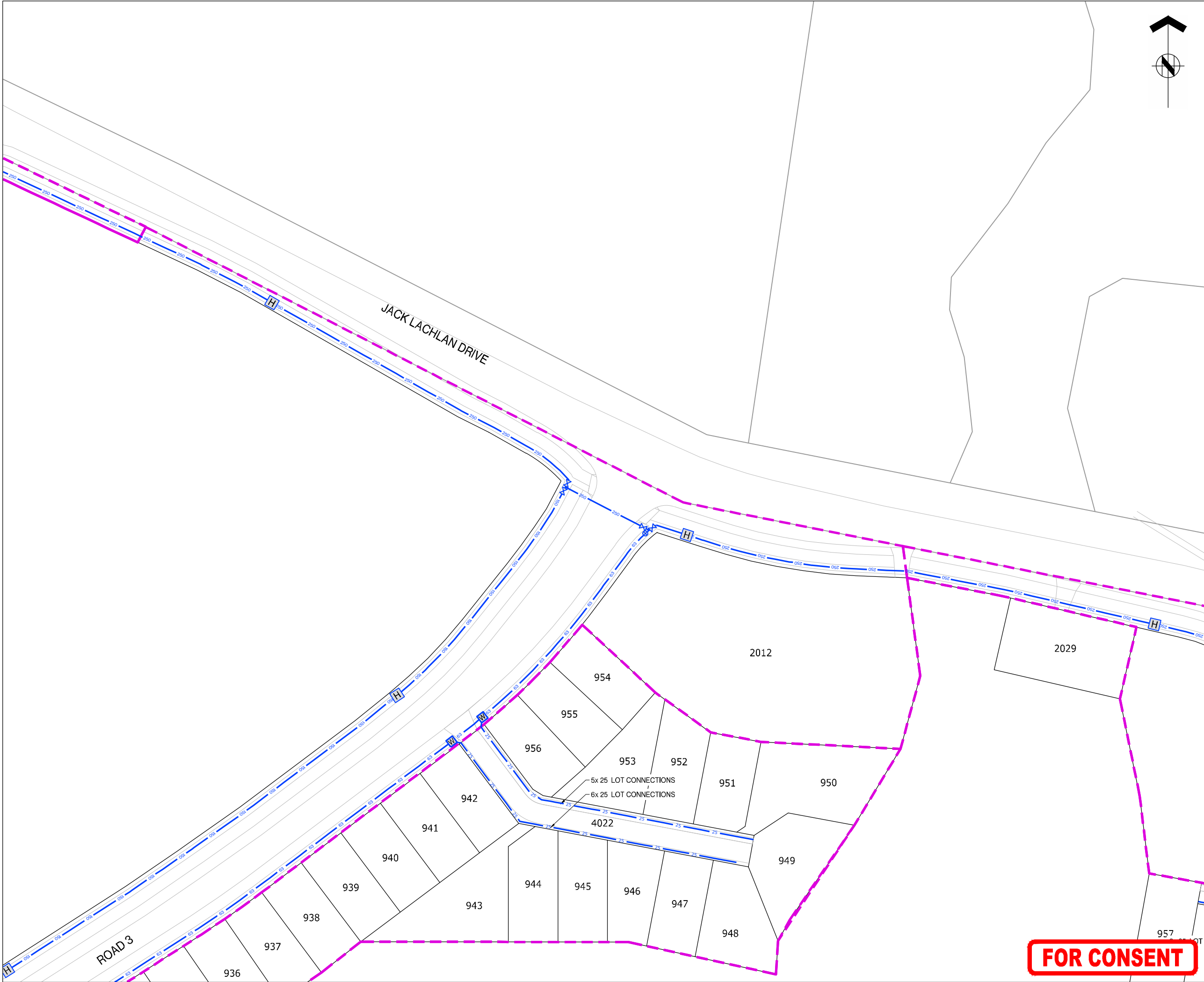
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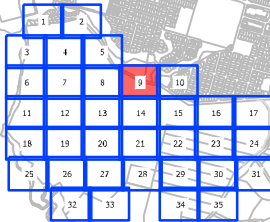
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TITLE:  
**WATER RETICULATION PLAN  
SHEET 9 OF 35**

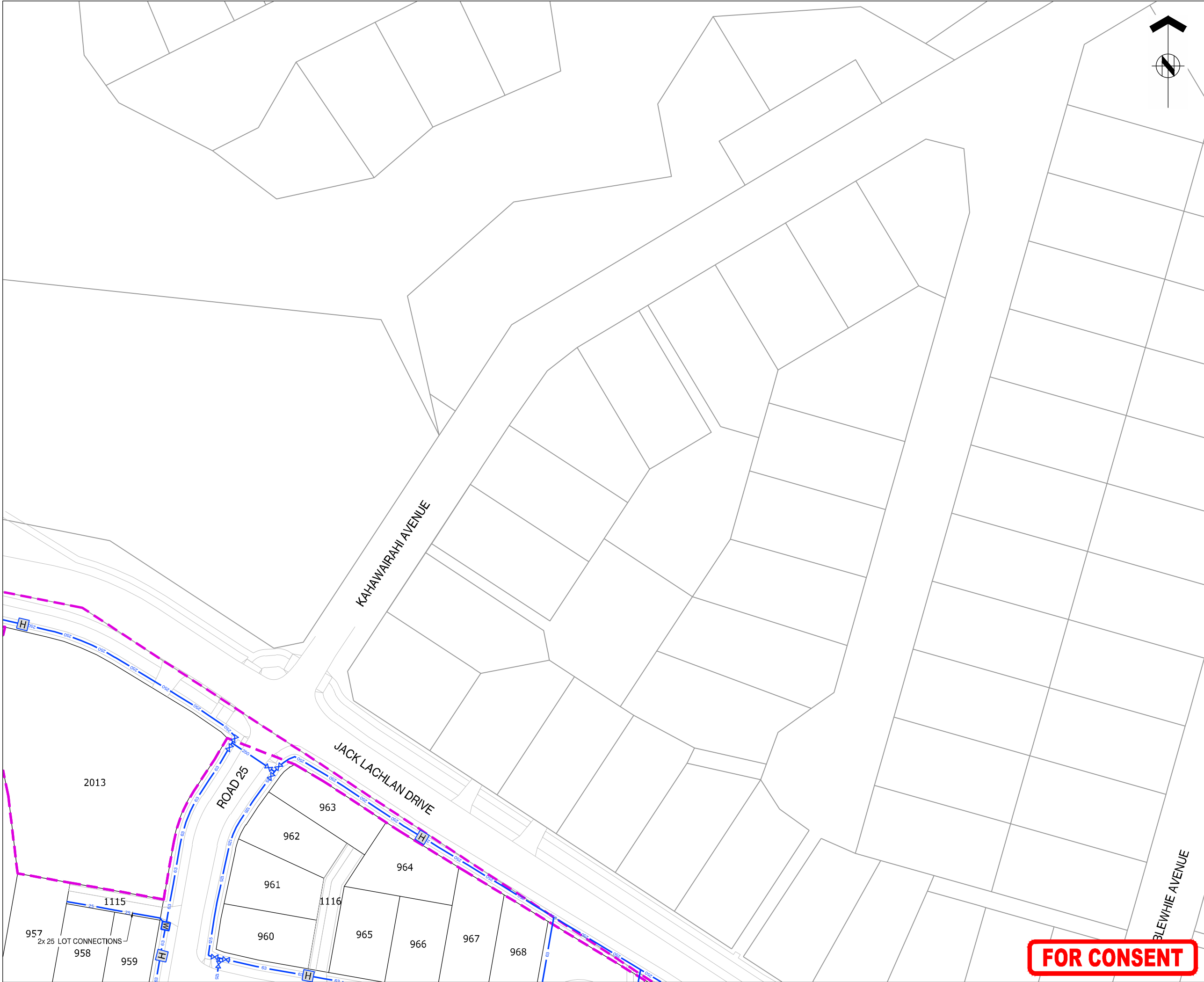
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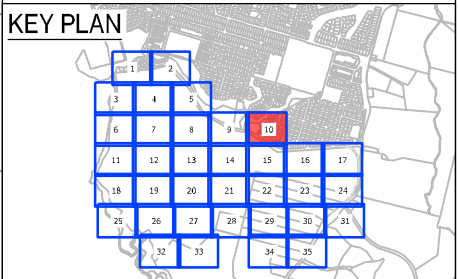
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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 10 OF 35

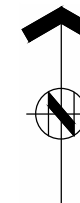
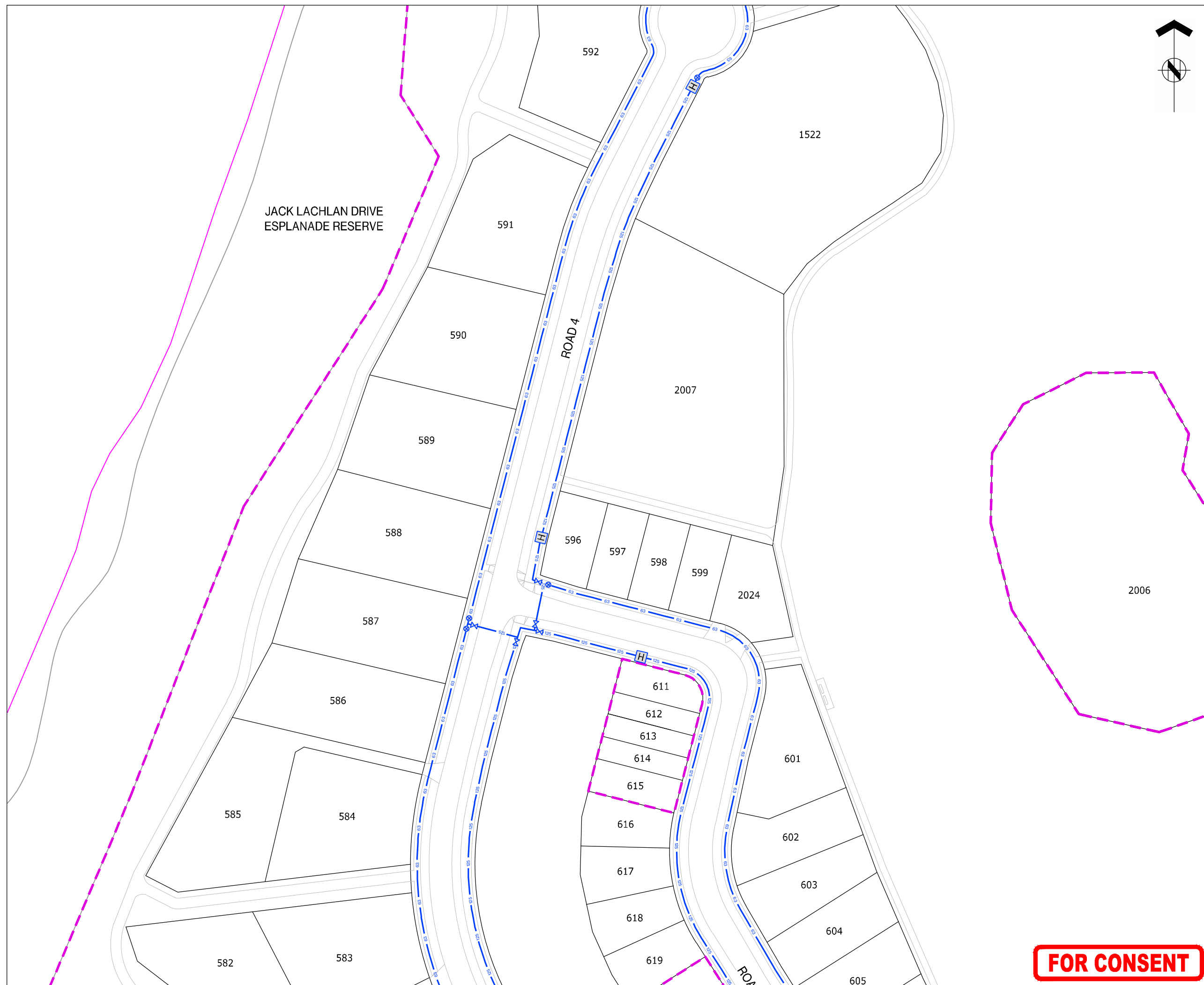
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| DRAWN:      | DATE:   | SIGNED: | PLOT DATE:    |
| SCT         | 11.2025 |         | 05.06.26      |
| CHECKED:    | DATE:   | SIGNED: | SURVEY BY:    |
| PZS         | 04.2026 |         | SURVEYED BY   |
| APPROVED:   | DATE:   | SIGNED: | SURVEY DATE:  |
| CJM         | 04.2026 |         | SURVEYED DATE |

ISSUE STATUS:

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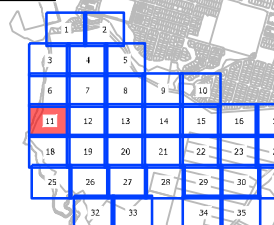
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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 11 OF 35

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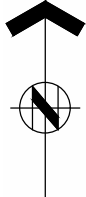
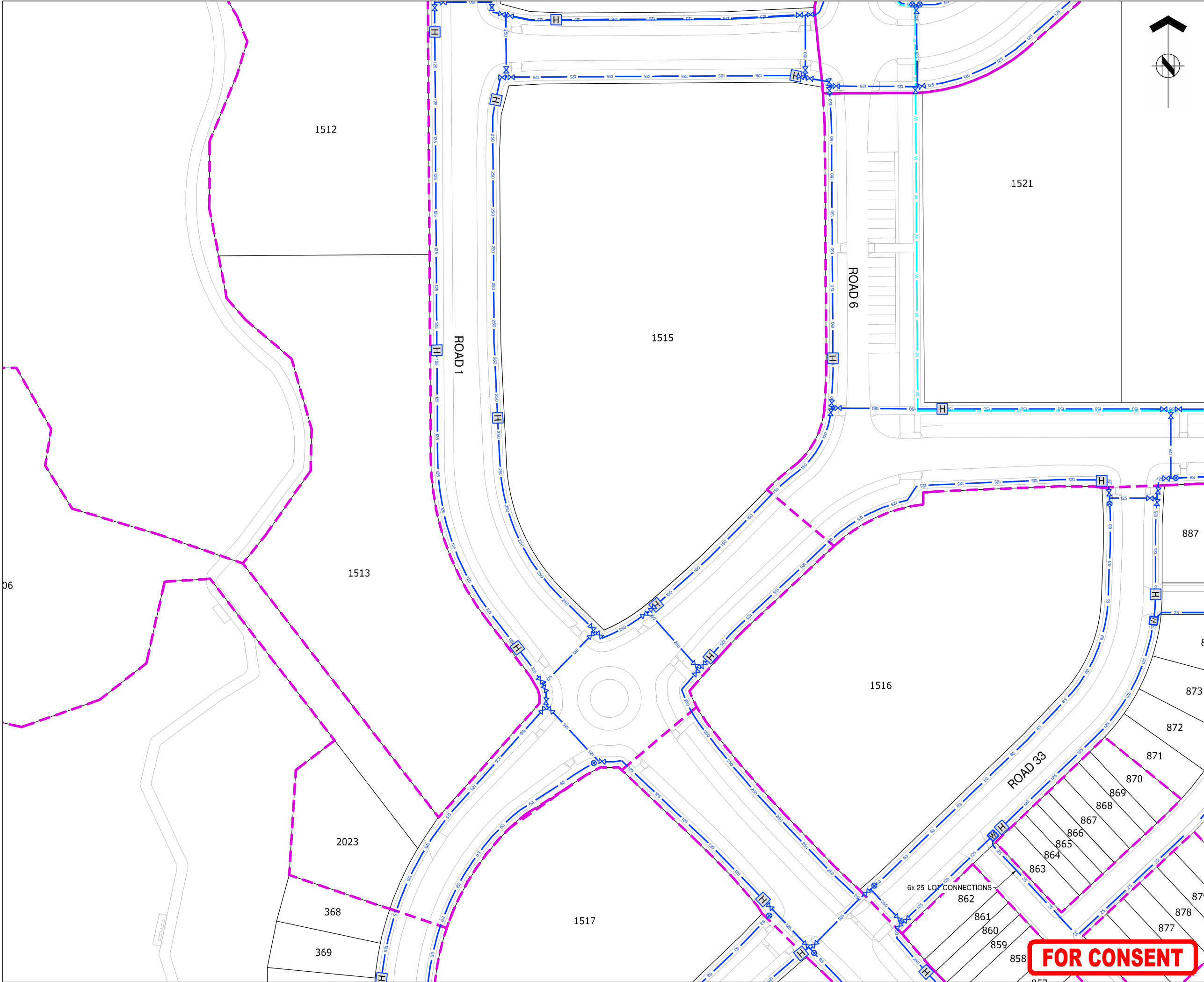
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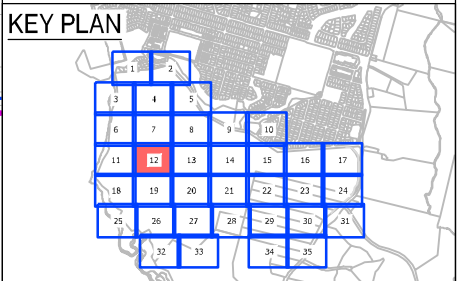
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PROJECT:  
**BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND**

TITLE:  
**WATER RETICULATION PLAN  
SHEET 12 OF 35**

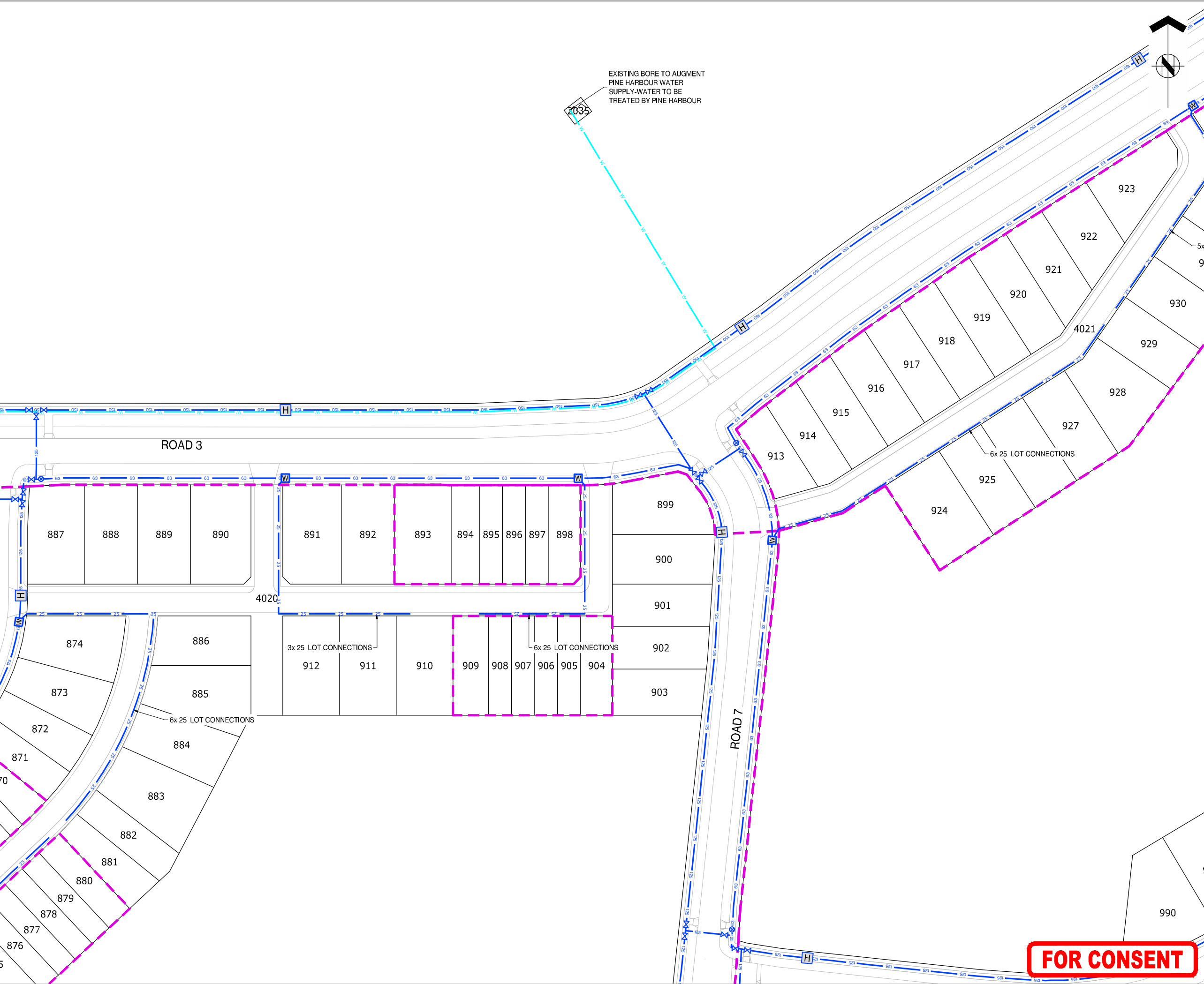
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| APPROVED:<br>CJM   | DATE:<br>04.2026 | SIGNED: | SURVEY DATE:<br>SURVEYED DATE |

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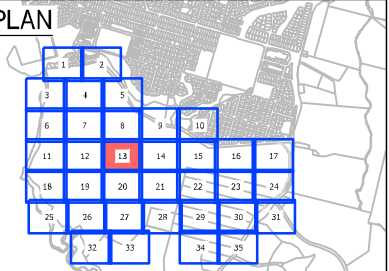
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BEACHLANDS SOUTH, AUCKLAND

TITLE:  
  
WATER RETICULATION PLAN  
SHEET 13 OF 35

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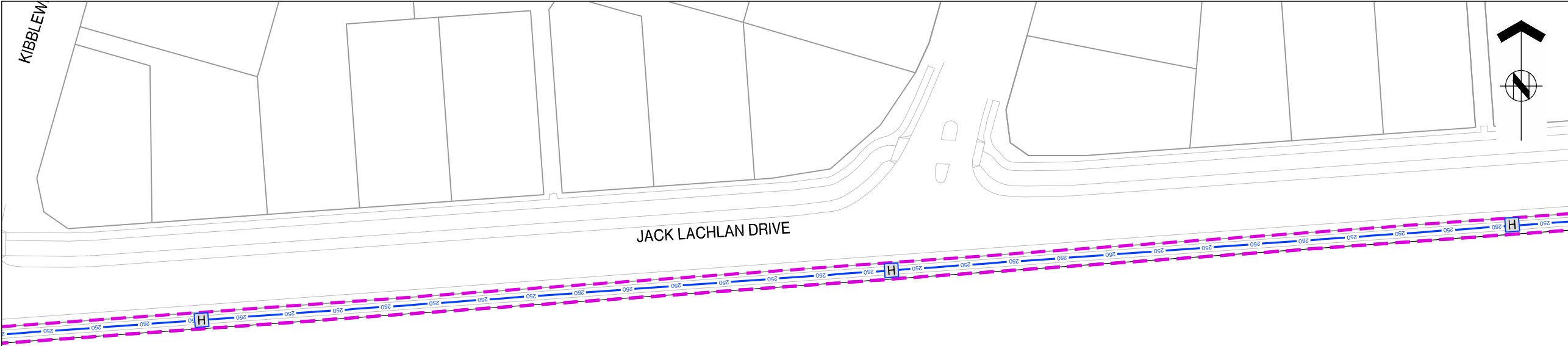
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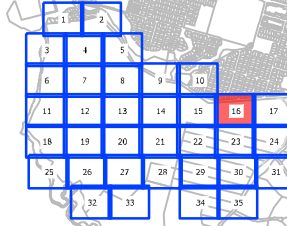
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BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 16 OF 35

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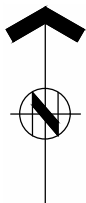
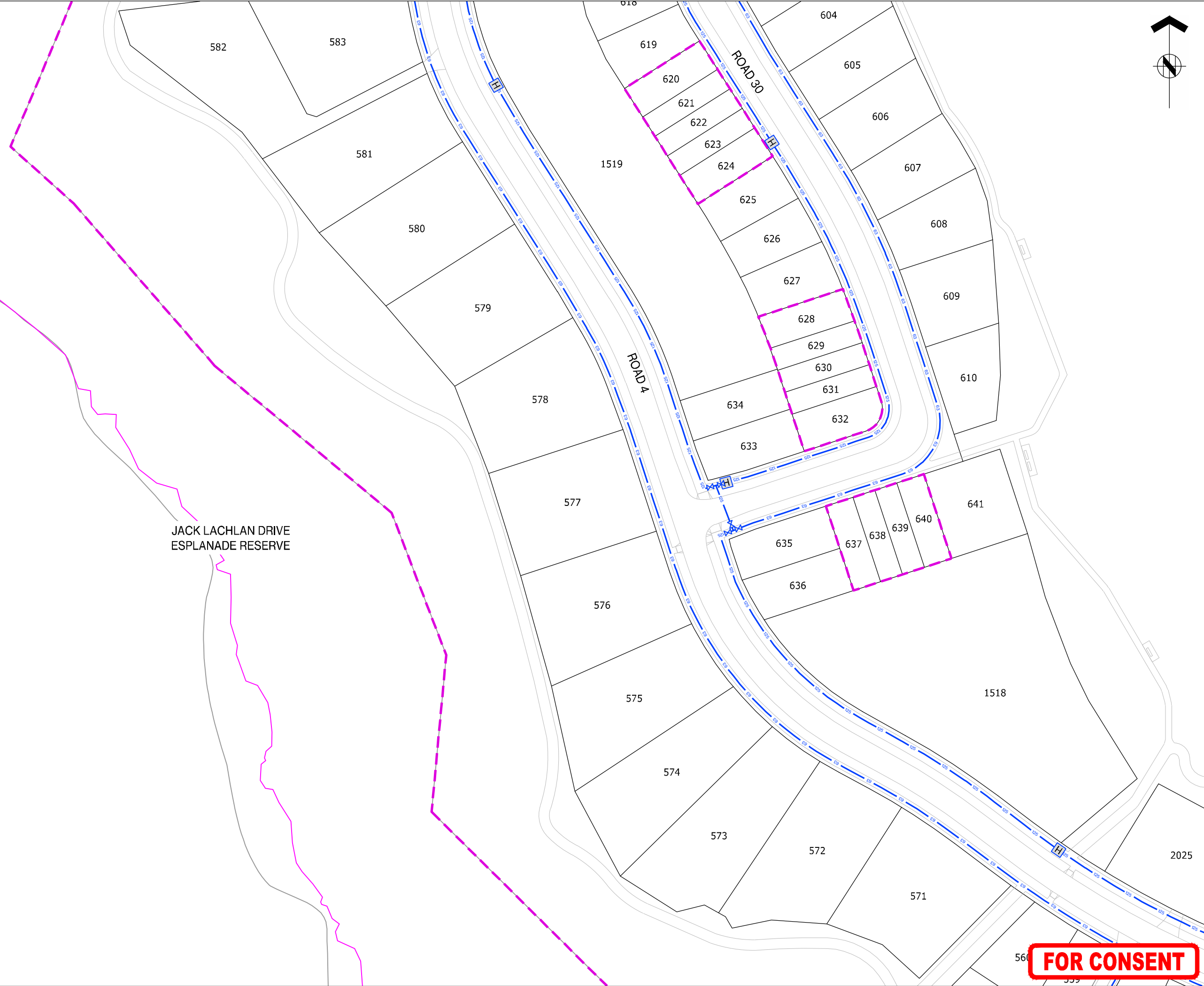
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TITLE:  
**WATER RETICULATION PLAN  
SHEET 18 OF 35**

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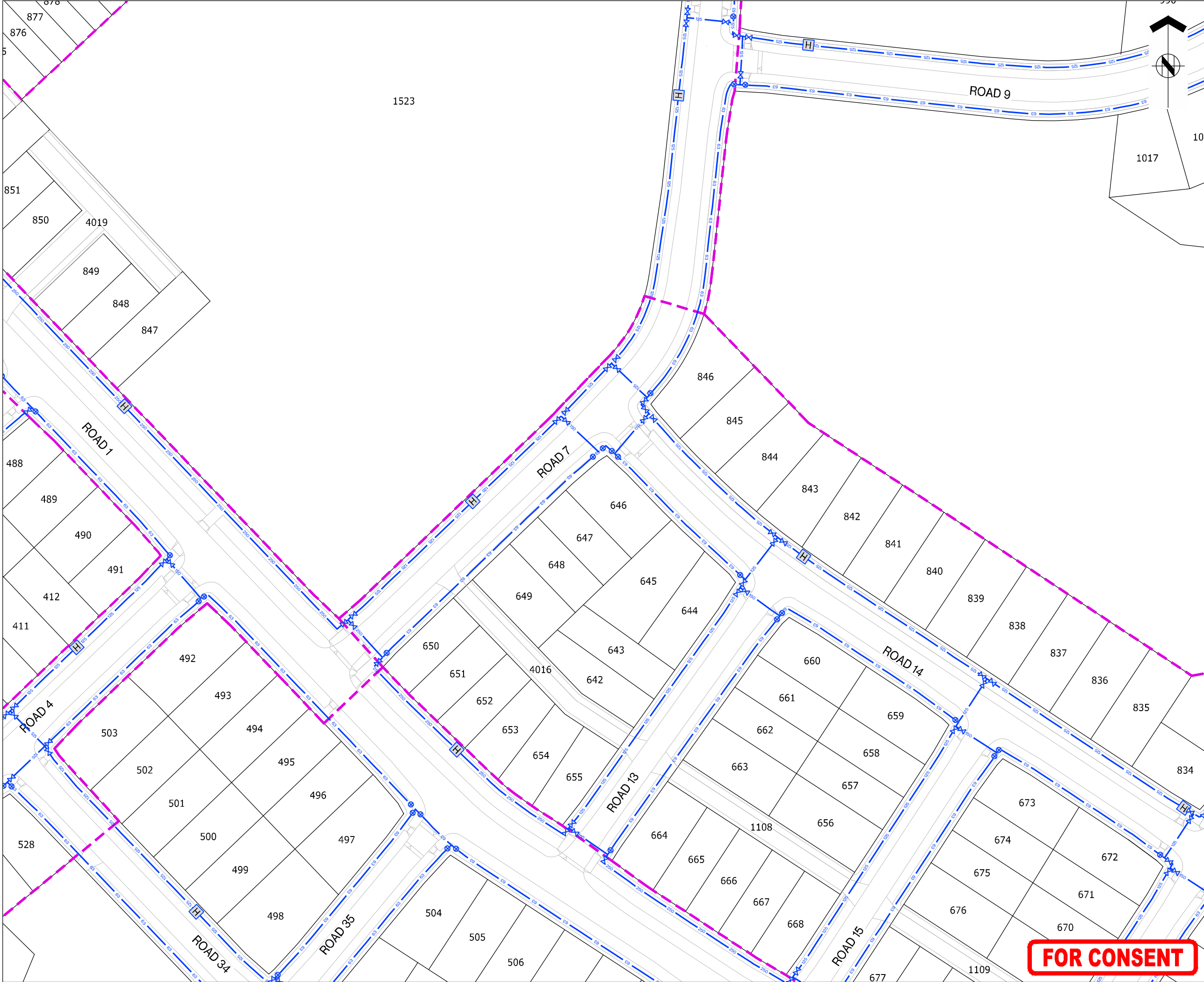
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PROJECT:  
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BEACHLANDS SOUTH, AUCKLAND**

TITLE:  
**WATER RETICULATION PLAN  
SHEET 20 OF 35**

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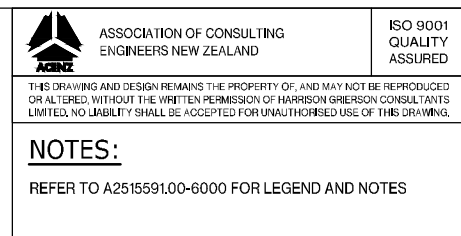
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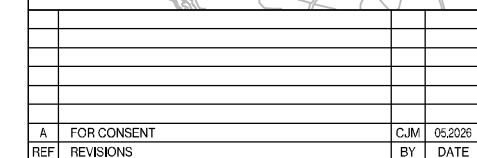






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PROJECT:

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BEACHLANDS SOUTH, AUCKLAND

TITLE:

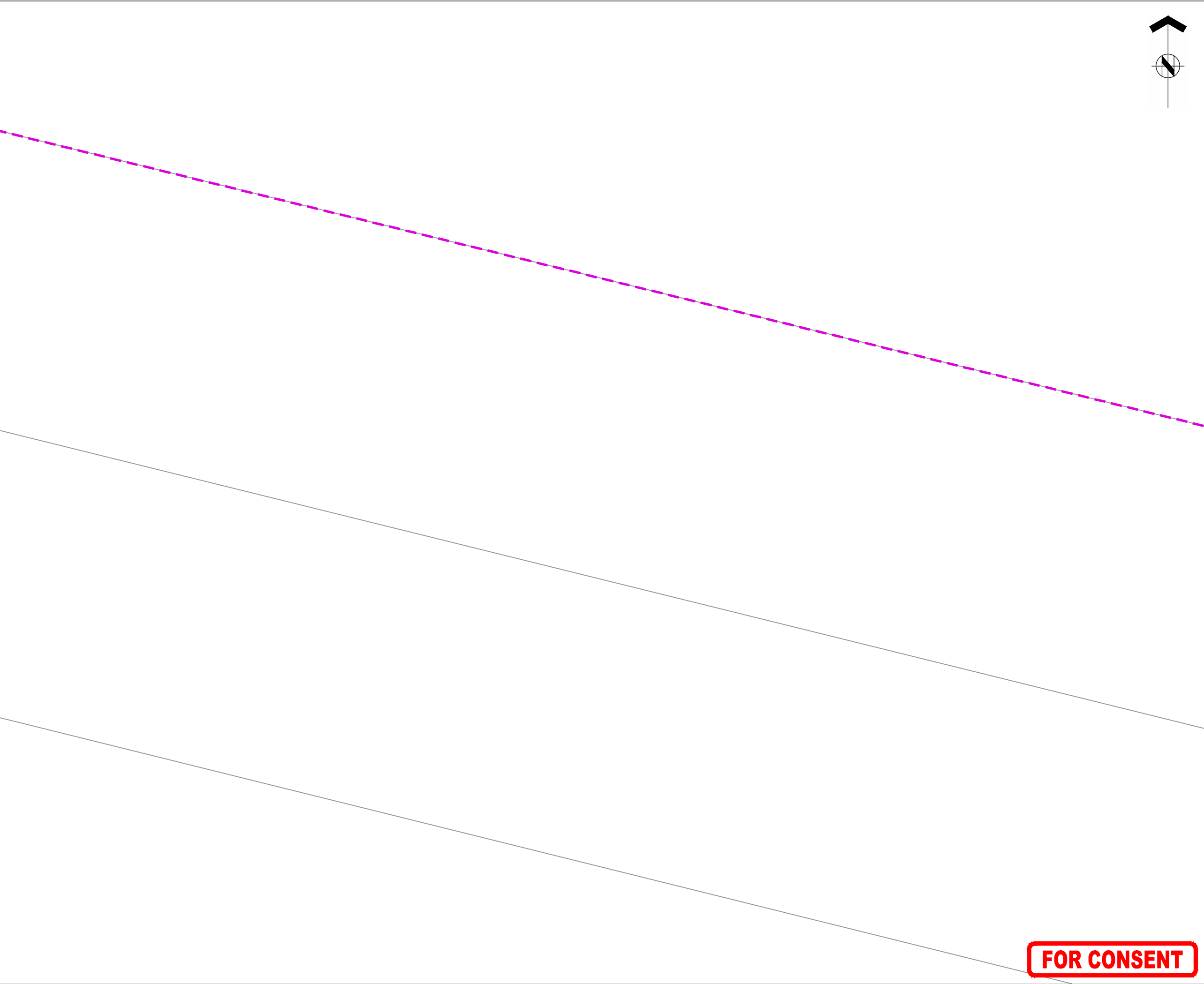
WATER RETICULATION PLAN  
SHEET 22 OF 35

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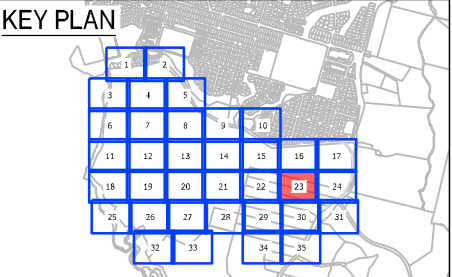
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PROJECT:

BEACHLANDS  
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BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 23 OF 35

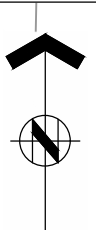
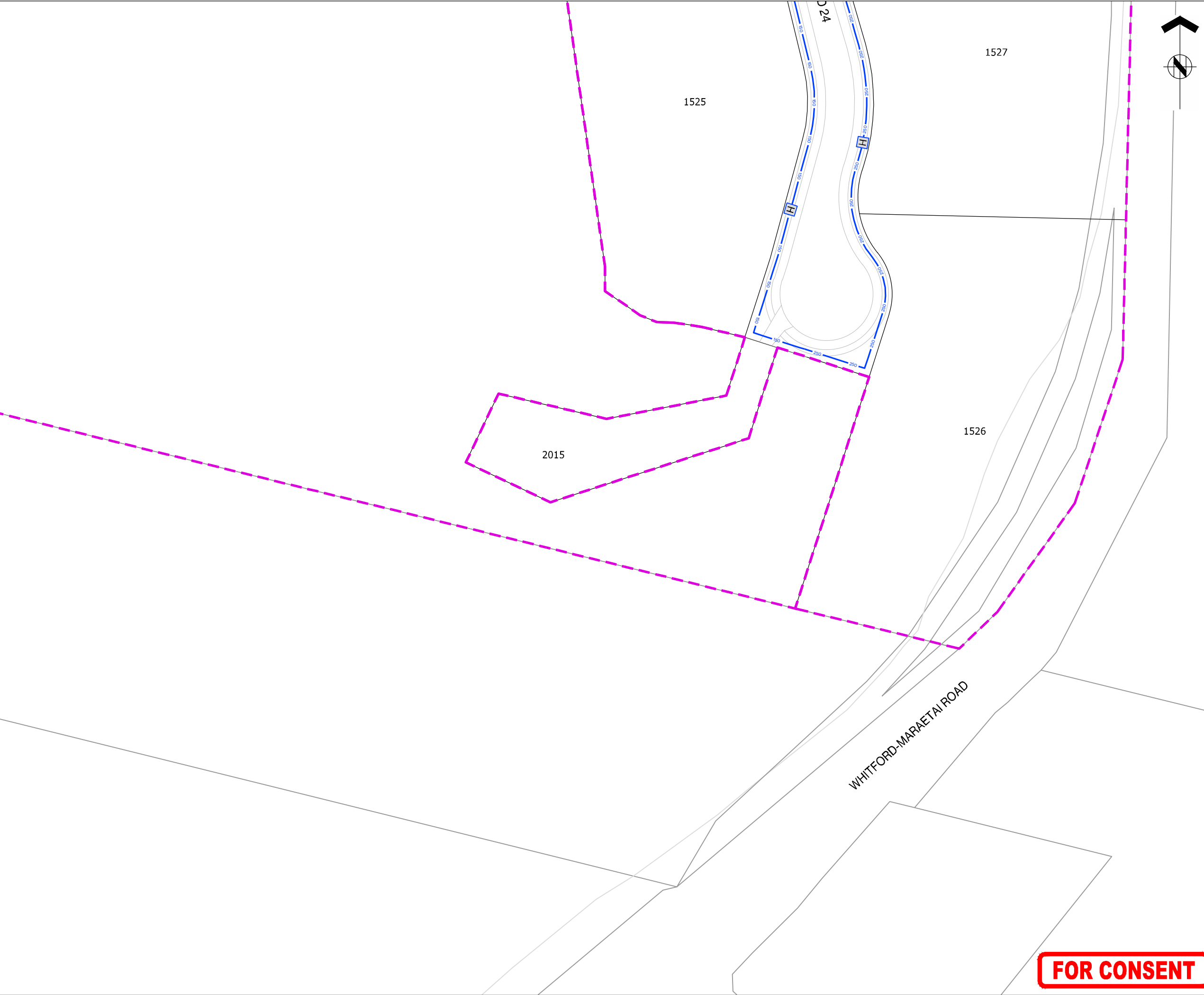
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| CHECKED:<br>PZS    | DATE:<br>04.2026 | SIGNED: | SURVEY BY:<br>SURVEYED BY     |
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**KEY PLAN**



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PROJECT:

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BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 24 OF 35

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| CJM         | 04.2026 |         | SURVEYED DATE |

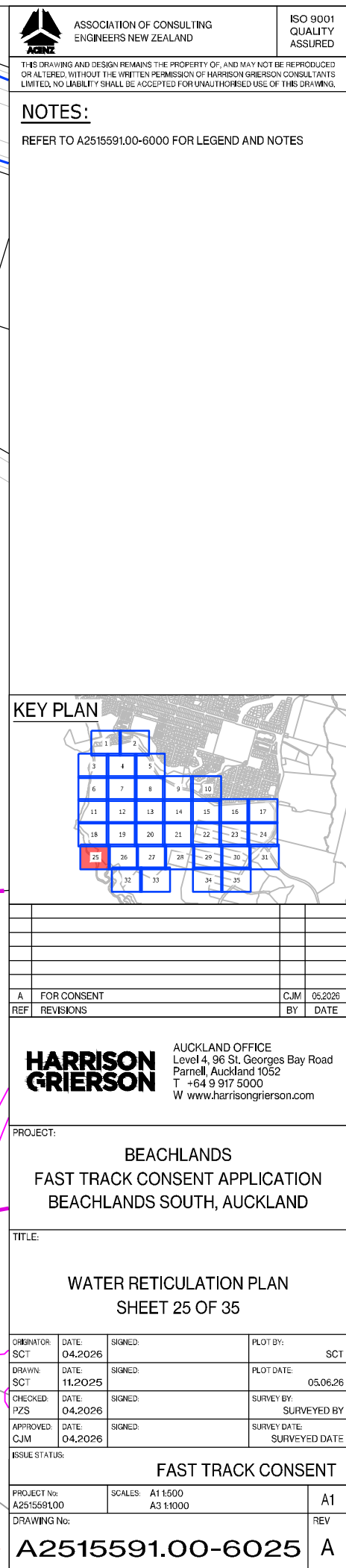
ISSUE STATUS:

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| PROJECT No:      | SCALES:   | A1  |
| A2515591.00      | A1 1:500  | A1  |
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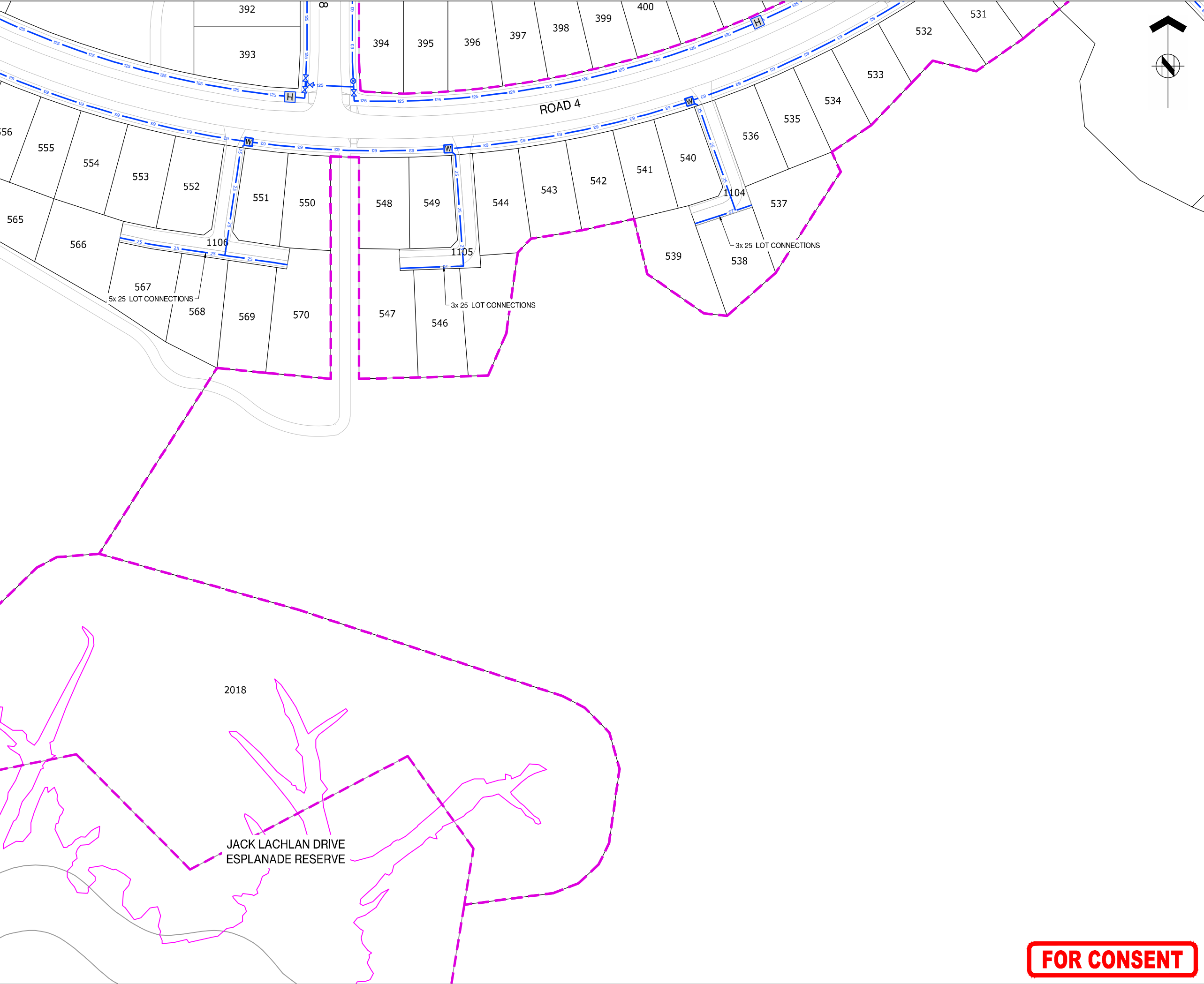




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**NOTES:**  
REFER TO A2515591.00-6000 FOR LEGEND AND NOTES

**KEY PLAN**



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W www.harrisongrierson.com

PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 26 OF 35

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| ORIGINATOR: | DATE:   | SIGNED: | PLOT BY:      |
| SCT         | 04.2026 |         | SCT           |
| DRAWN:      | DATE:   | SIGNED: | PLOT DATE:    |
| SCT         | 11.2025 |         | 05.06.26      |
| CHECKED:    | DATE:   | SIGNED: | SURVEY BY:    |
| PZS         | 04.2026 |         | SURVEYED BY   |
| APPROVED:   | DATE:   | SIGNED: | SURVEY DATE:  |
| CJM         | 04.2026 |         | SURVEYED DATE |

ISSUE STATUS:

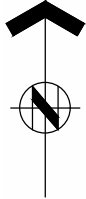
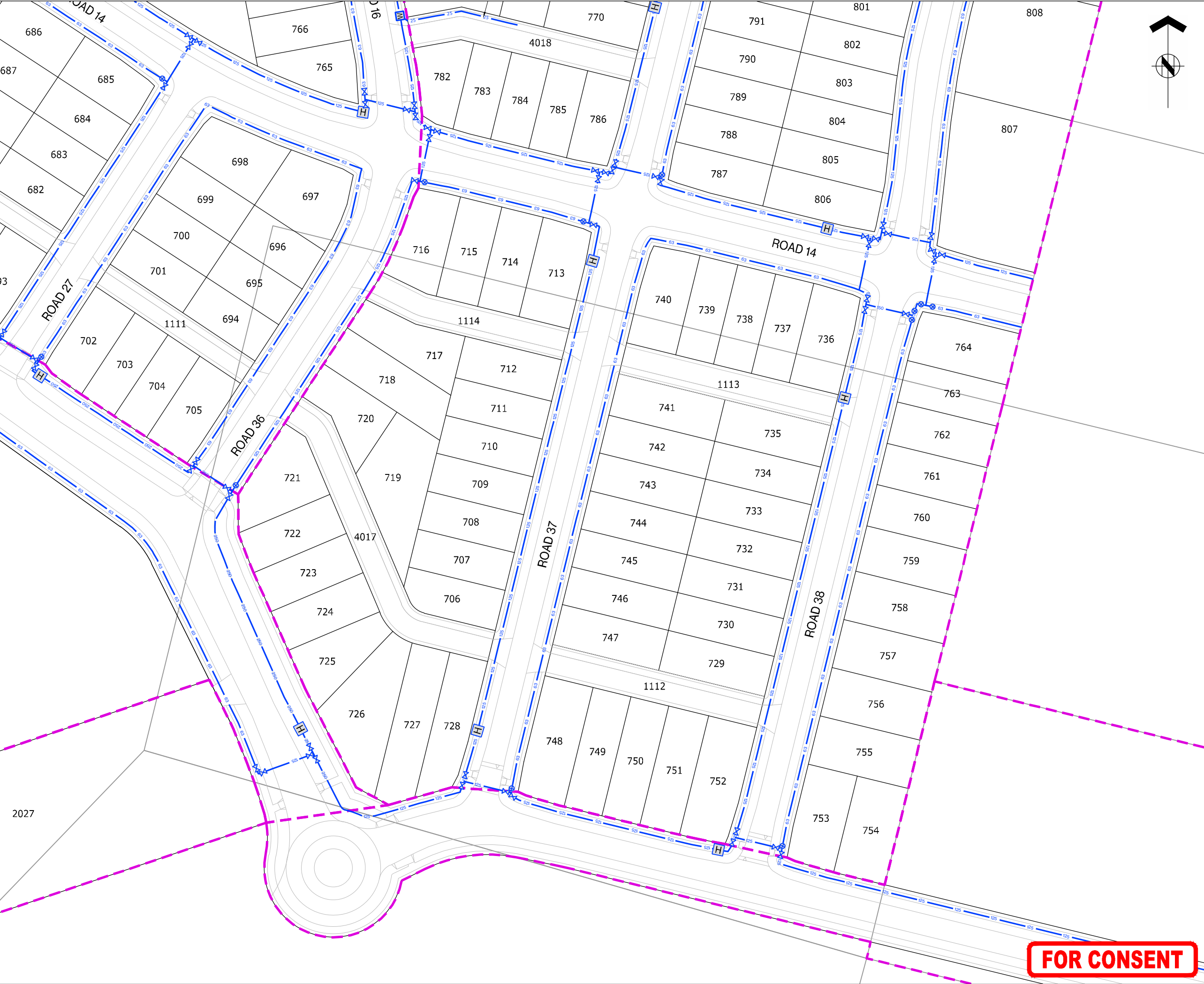
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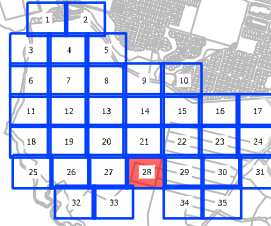
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KEY PLAN



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PROJECT:  
**BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND**

TITLE:  
**WATER RETICULATION PLAN  
SHEET 28 OF 35**

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| ORIGINATOR:<br>SCT | DATE:<br>04.2026 | SIGNED: | PLOT BY:<br>SCT               |
| DRAWN:<br>SCT      | DATE:<br>11.2025 | SIGNED: | PLOT DATE:<br>05.06.26        |
| CHECKED:<br>PZS    | DATE:<br>04.2026 | SIGNED: | SURVEY BY:<br>SURVEYED BY     |
| APPROVED:<br>CJM   | DATE:<br>04.2026 | SIGNED: | SURVEY DATE:<br>SURVEYED DATE |

ISSUE STATUS:  
**FAST TRACK CONSENT**

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PROJECT: BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

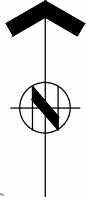
WATER RETICULATION PLAN  
SHEET 29 OF 35

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| DRAWN:<br>SCT      | DATE:<br>11.2025 | SIGNED: | PLOT DATE:<br>05.06.26        |
| CHECKED:<br>PZS    | DATE:<br>04.2026 | SIGNED: | SURVEY BY:<br>SURVEYED BY     |
| APPROVED:<br>CJM   | DATE:<br>04.2026 | SIGNED: | SURVEY DATE:<br>SURVEYED DATE |

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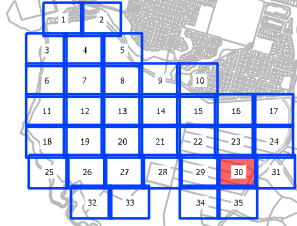
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KEY PLAN



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PROJECT:  
  
BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:  
  
WATER RETICULATION PLAN  
SHEET 30 OF 35

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| ORIGINATOR: | DATE:   | SIGNED: | PLOT BY:      |
| SCT         | 04.2026 |         | SCT           |
| DRAWN:      | DATE:   | SIGNED: | PLOT DATE:    |
| SCT         | 11.2025 |         | 05.06.26      |
| CHECKED:    | DATE:   | SIGNED: | SURVEY BY:    |
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| CJM         | 04.2026 |         | SURVEYED DATE |

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FAST TRACK CONSENT

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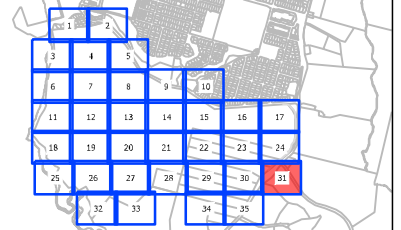
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## KEY PLAN



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BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

**TITLE:**

WATER RETICULATION PLAN  
SHEET 31 OF 35

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| DRAWN:<br>SCT      | DATE:<br>11.2025 | SIGNED: | PLOT DATE:<br>05.06.26        |
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| APPROVED:<br>CJM   | DATE:<br>04.2026 | SIGNED: | SURVEY DATE:<br>SURVEYED DATE |

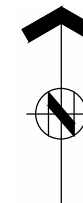
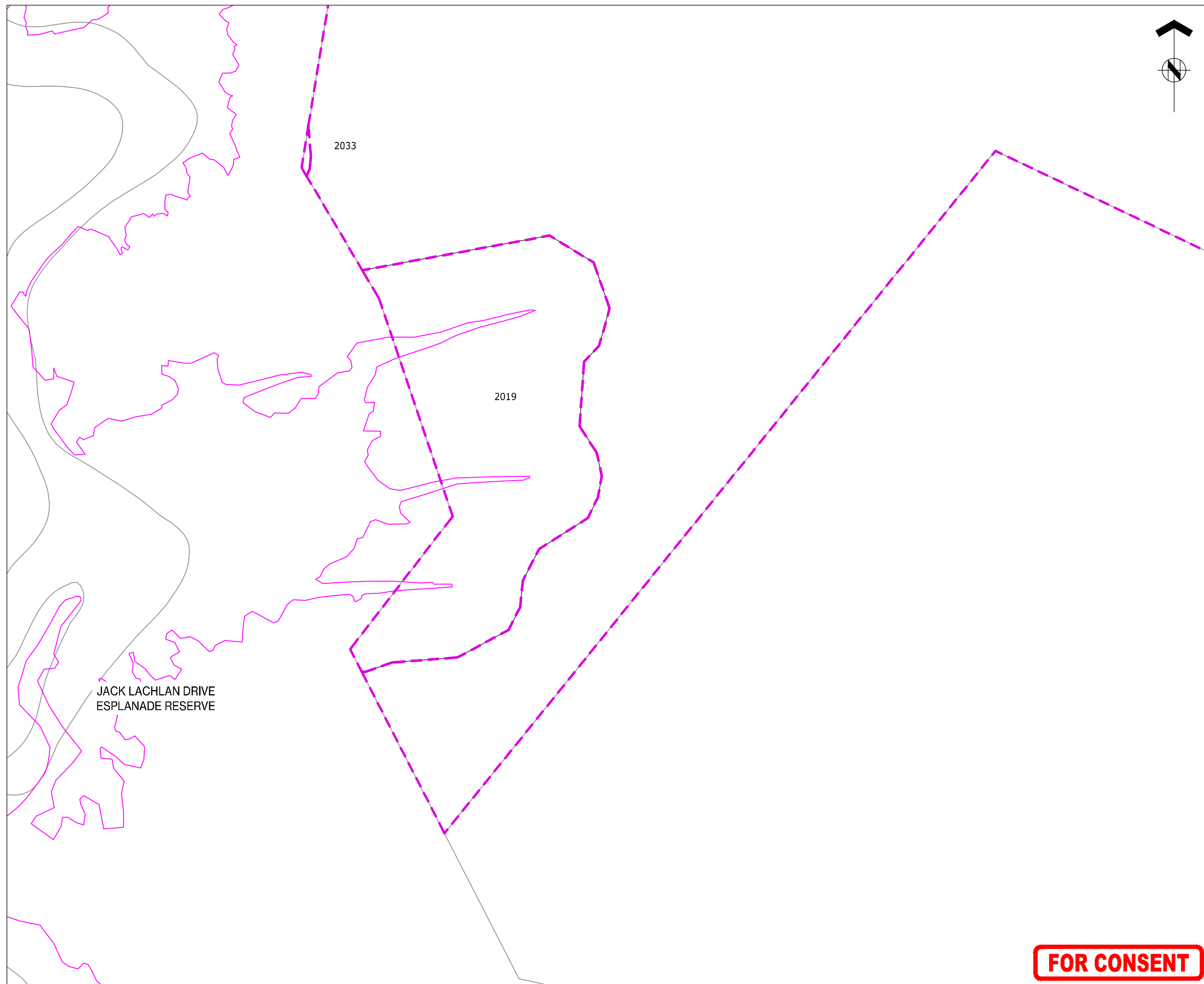
ISSUE STATUS:

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| DRAWING No:<br><b>A2515591.00-6031</b> |                               | REV<br><b>A</b> |

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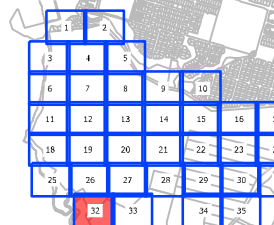
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## KEY PLAN



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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

**TITLE:**

WATER RETICULATION PLAN  
SHEET 32 OF 35

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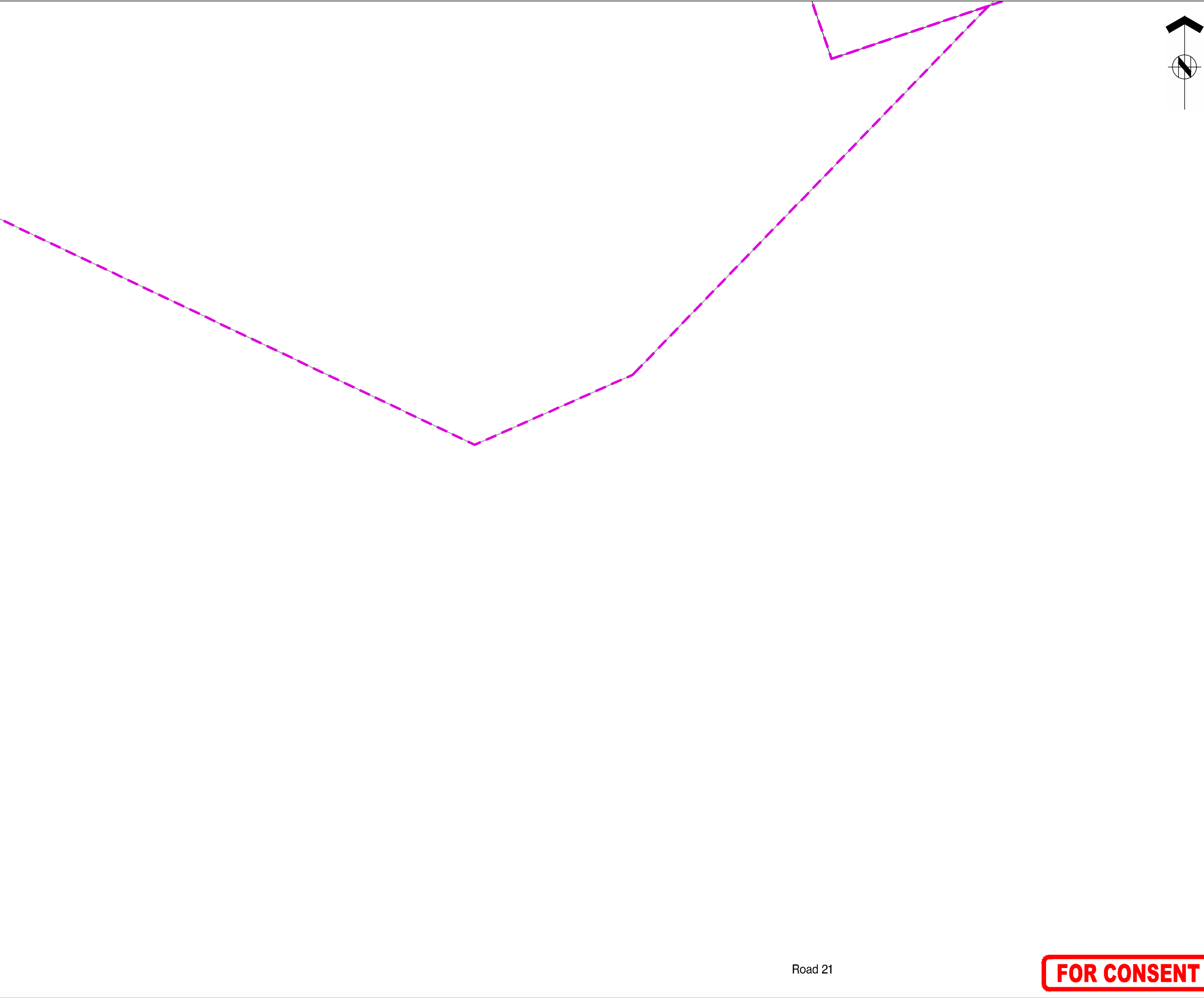
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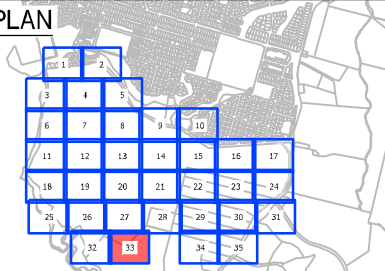
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**KEY PLAN**



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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 33 OF 35

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| ORIGINATOR: | DATE:   | SIGNED: | PLOT BY:      |
| SCT         | 04.2026 |         | SCT           |
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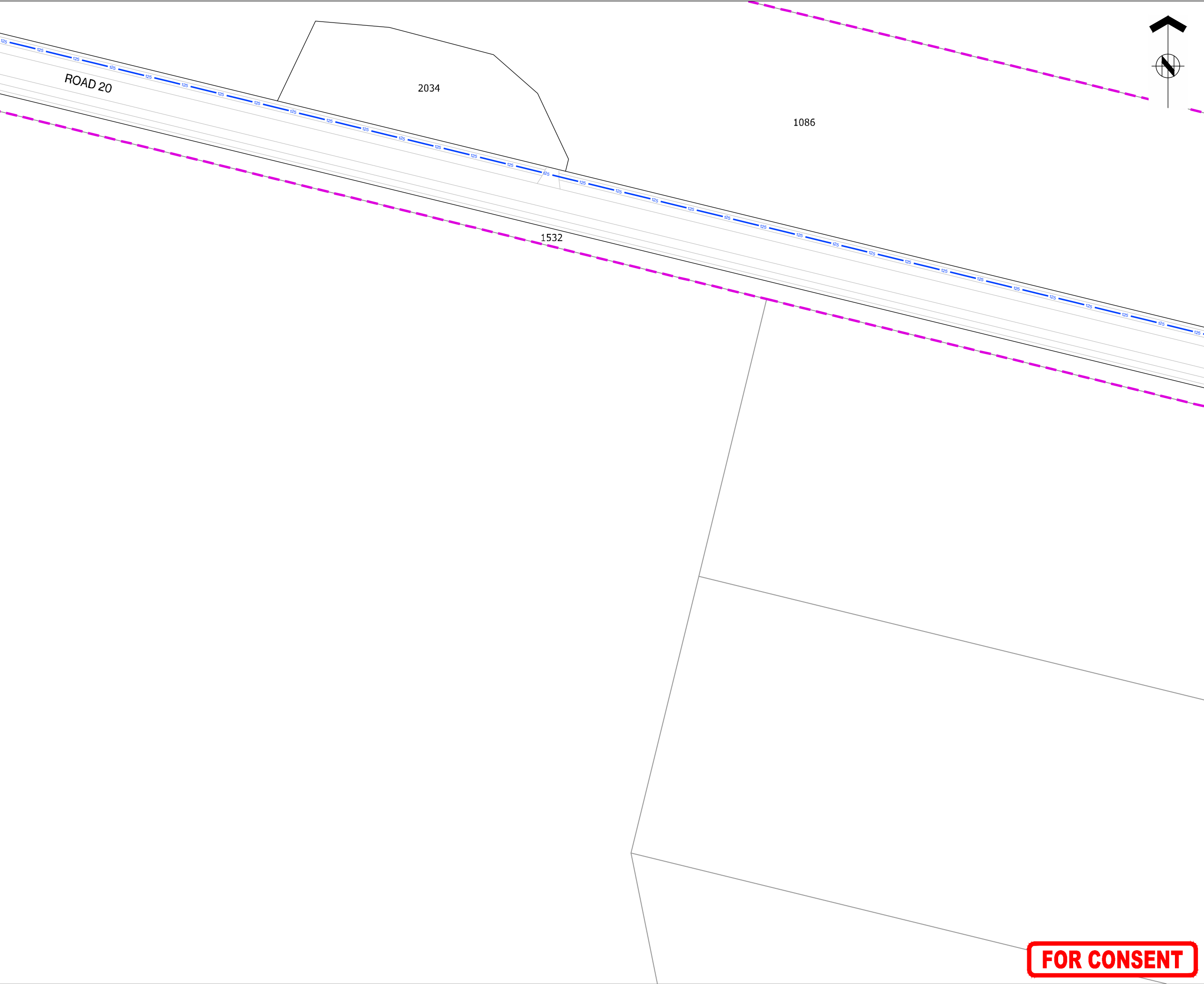
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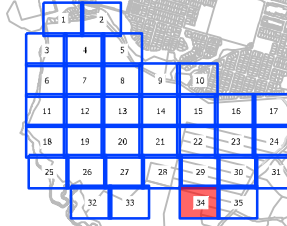
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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 34 OF 35

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ISSUE STATUS:

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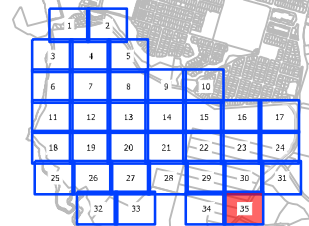


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PROJECT:

BEACHLANDS  
FAST TRACK CONSENT APPLICATION  
BEACHLANDS SOUTH, AUCKLAND

TITLE:

WATER RETICULATION PLAN  
SHEET 35 OF 35

|                    |                  |         |                               |
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| ORIGINATOR:<br>SCT | DATE:<br>04.2026 | SIGNED: | PLOT BY:<br>SCT               |
| DRAWN:<br>SCT      | DATE:<br>11.2025 | SIGNED: | PLOT DATE:<br>05.06.26        |
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ISSUE STATUS:

FAST TRACK CONSENT

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| PROJECT No:<br>A2515591.00             | SCALES: A1 1:500<br>A3 1:1000 | A1              |
| DRAWING No:<br><b>A2515591.00-6035</b> |                               | REV<br><b>A</b> |

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## GENERAL CONSTRUCTION NOTES

### STANDARDS RELATING TO WORKS

Works shall be carried out to the requirements of the Health & Safety at work in Employment Act 2015

Works shall be completed to Watercare Construction Standards.

### MANUFACTURERS SPECIFICATIONS

Materials shall be installed to the Manufacturers requirements unless otherwise specified.

### WELDING & FIXINGS

All steelwork shall be workshop fabricated.

Steelwork and fixings shall be hot-dip galvanised to AS/NZS 4680 unless otherwise stated.

A Nickel anti-seize free of copper, lead, sulphides, chlorides & carbons (graphite) shall be used on bolts.

### REINFORCING STEEL

Reinforcing shall be centrally placed with the specified minimum cover.

Bends shall be cold formed.

### JOINT SEALS

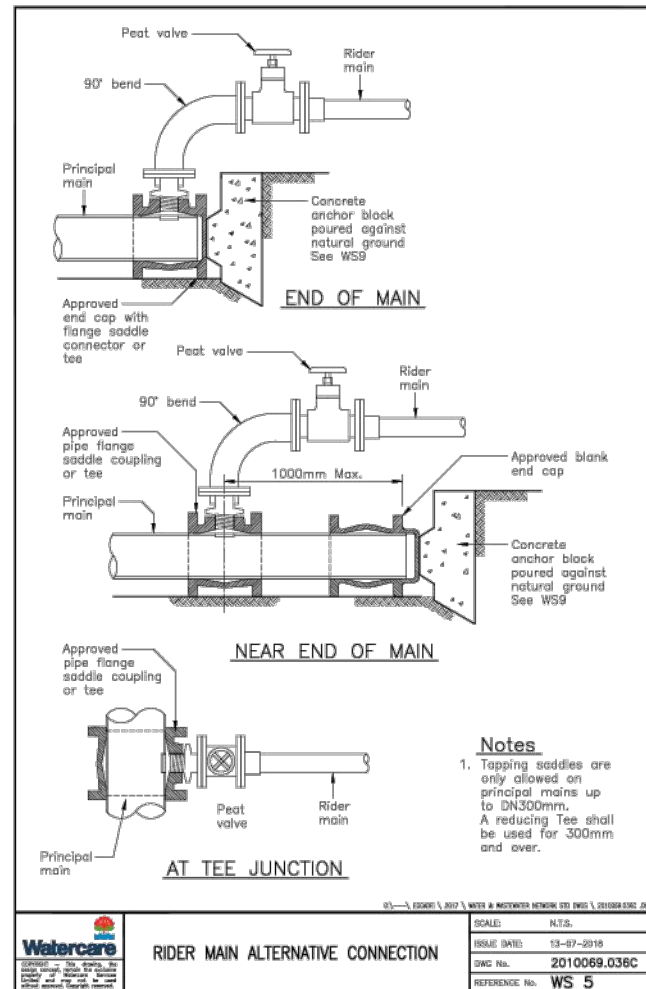
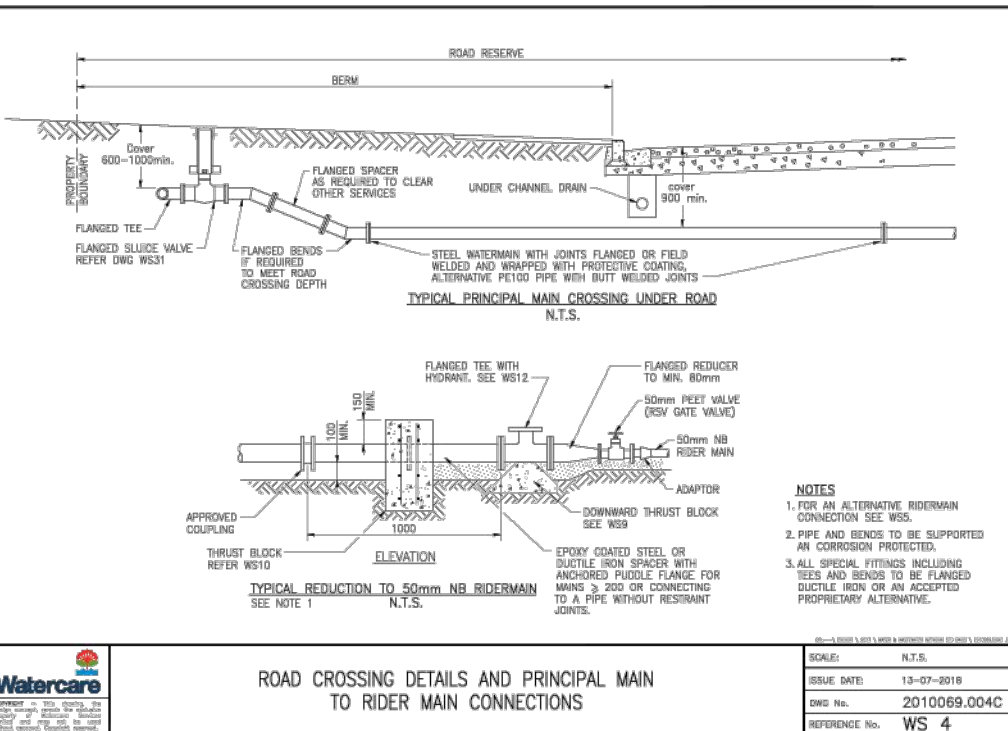
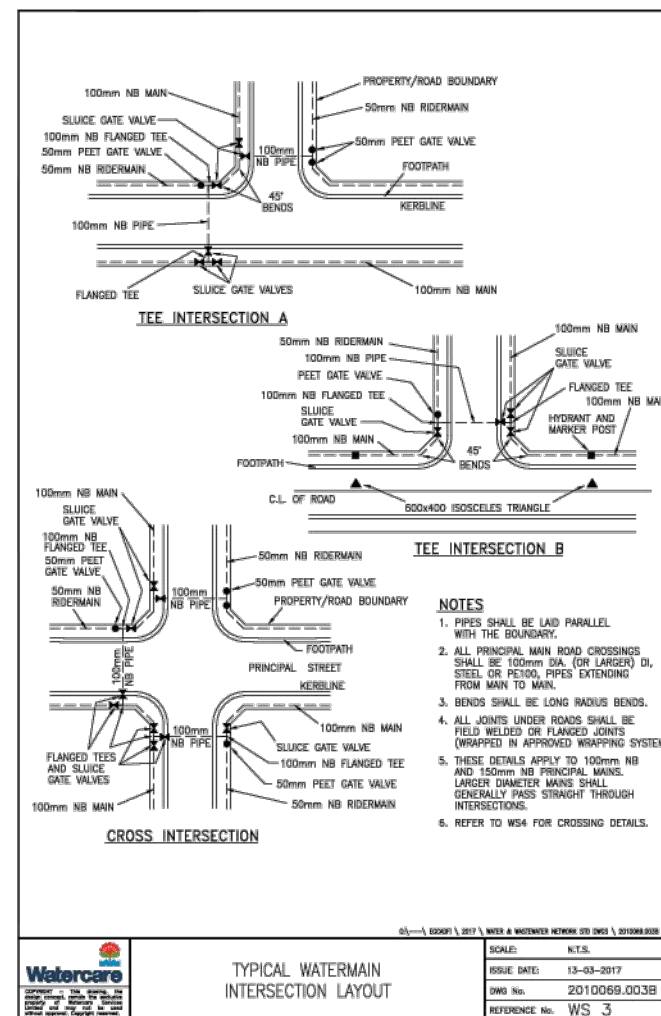
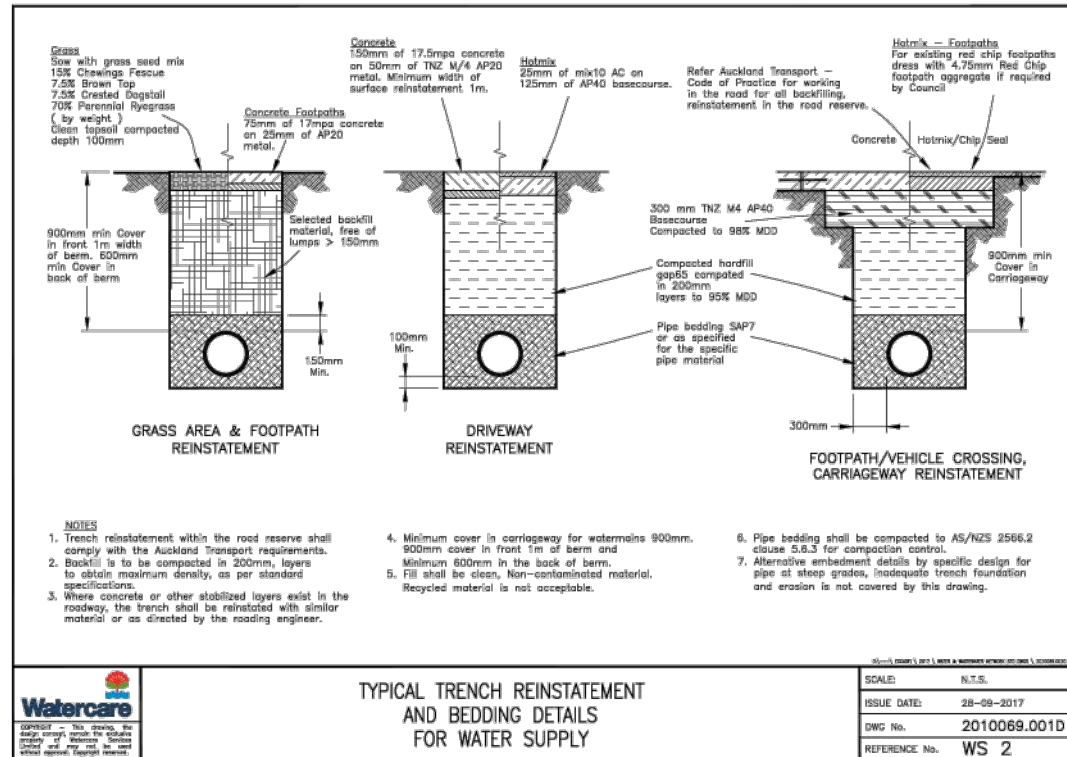
Couplings & Flanges : Per WSL Material Standard.

Concrete joints around pipe penetrations through chambers shall be made with a suitable hydrophilic sealant to the manufacturer's requirements. Concrete repair shall be reinforced and box-cast to prevent cracking from sealant forces.



### GENERAL CONSTRUCTION NOTES

|                |              |
|----------------|--------------|
| SCALE:         | N.T.S.       |
| ISSUE DATE:    | 13-07-2018   |
| DWG No.:       | 2010069.002D |
| REFERENCE No.: | WS 1         |



ASSOCIATION OF CONSULTING ENGINEERS NEW ZEALAND

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**FOR CONSENT**

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W www.harrisingrierson.com

PROJECT:

**BEACHLANDS**

**FAST TRACK CONSENT APPLICATION**

**BEACHLANDS SOUTH, AUCKLAND**

TITLE:

**WATERMAIN STANDARD DETAILS**

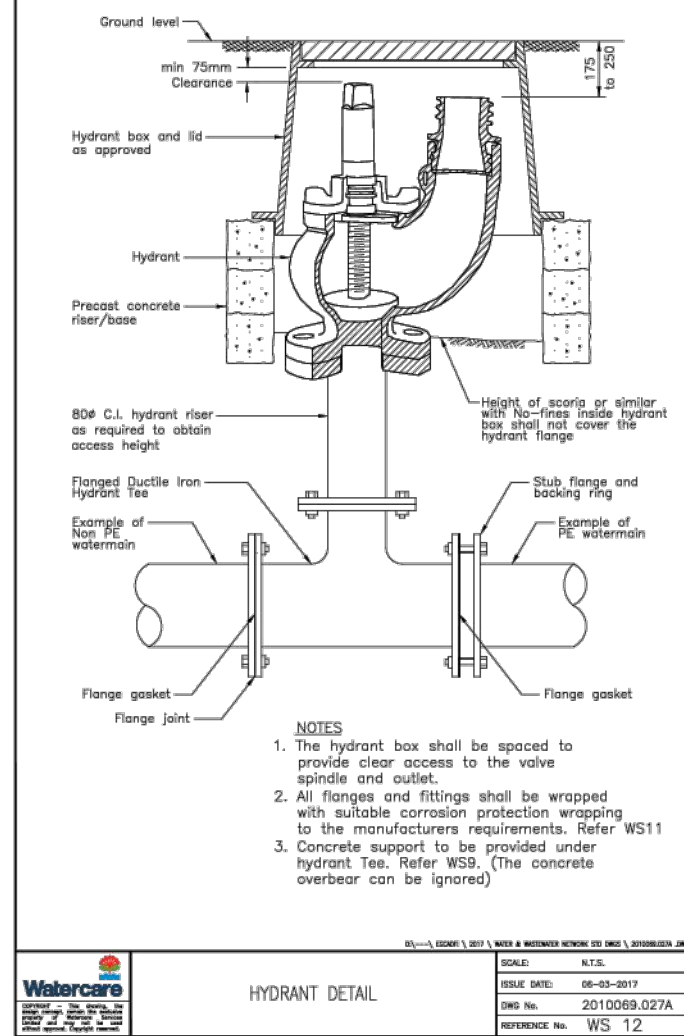
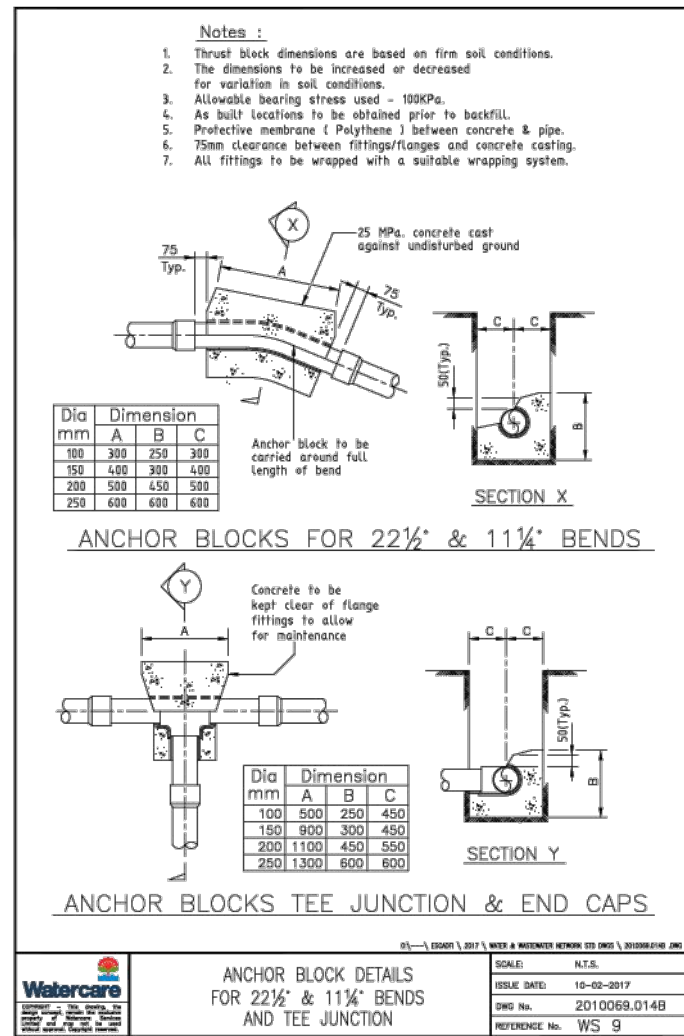
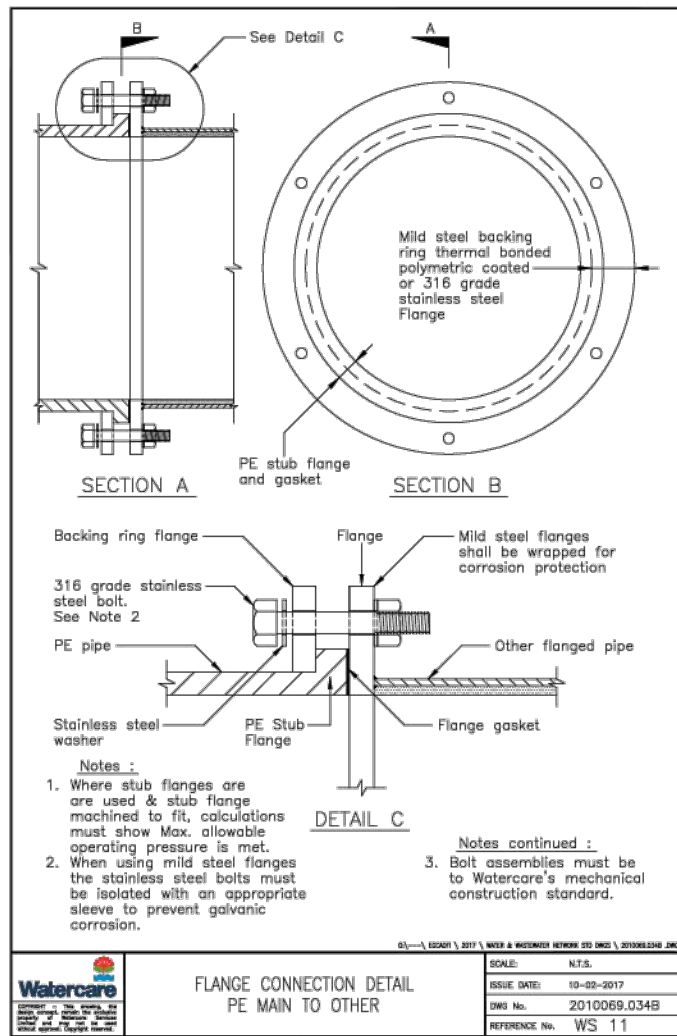
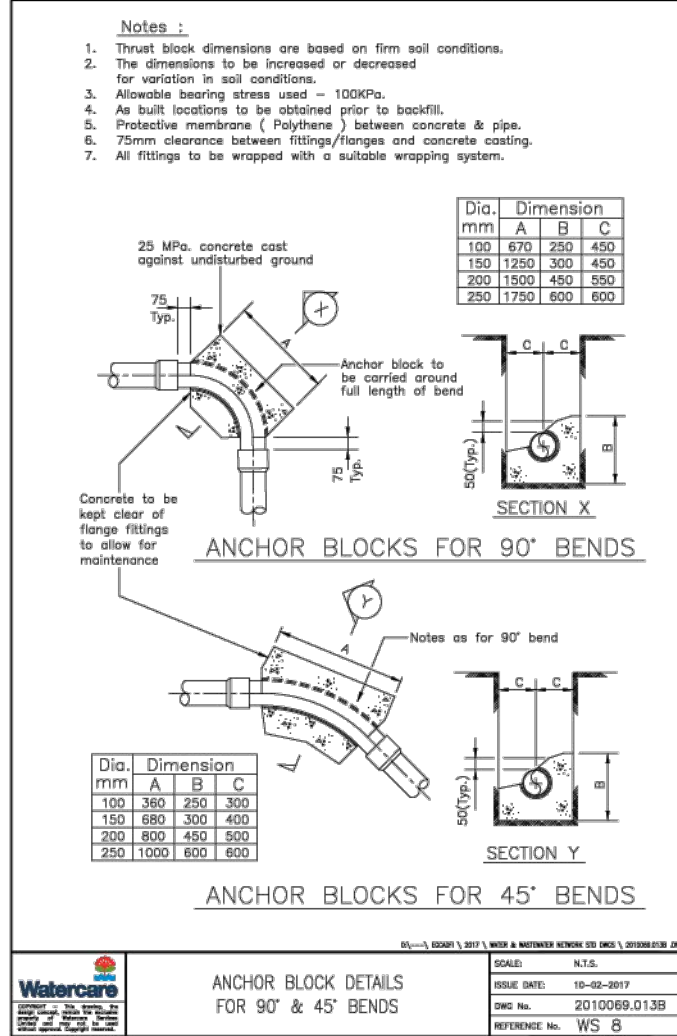
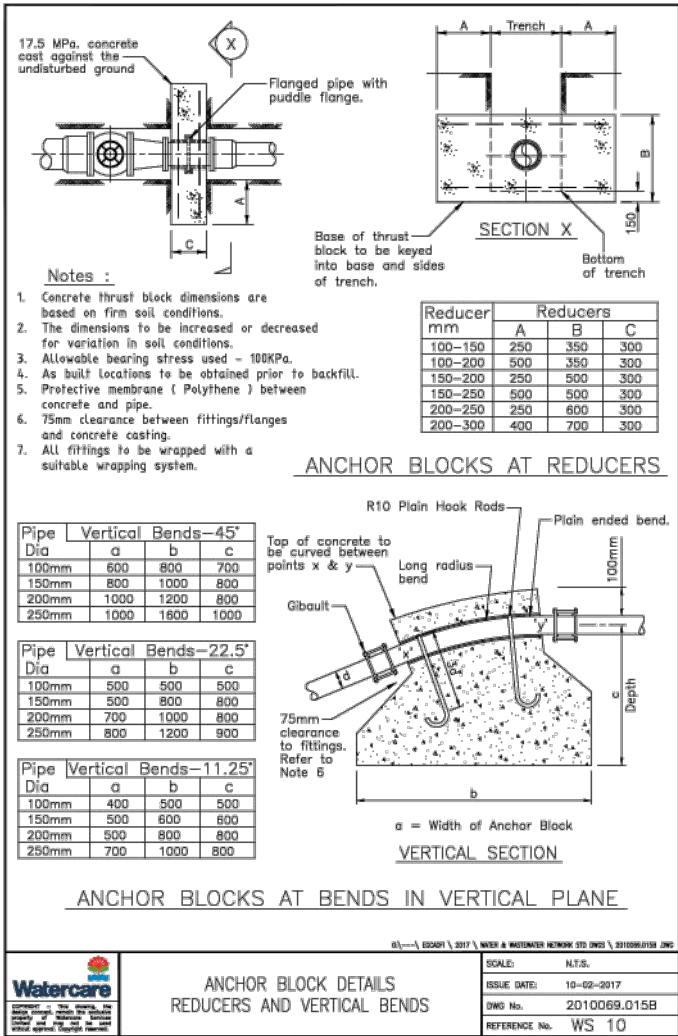
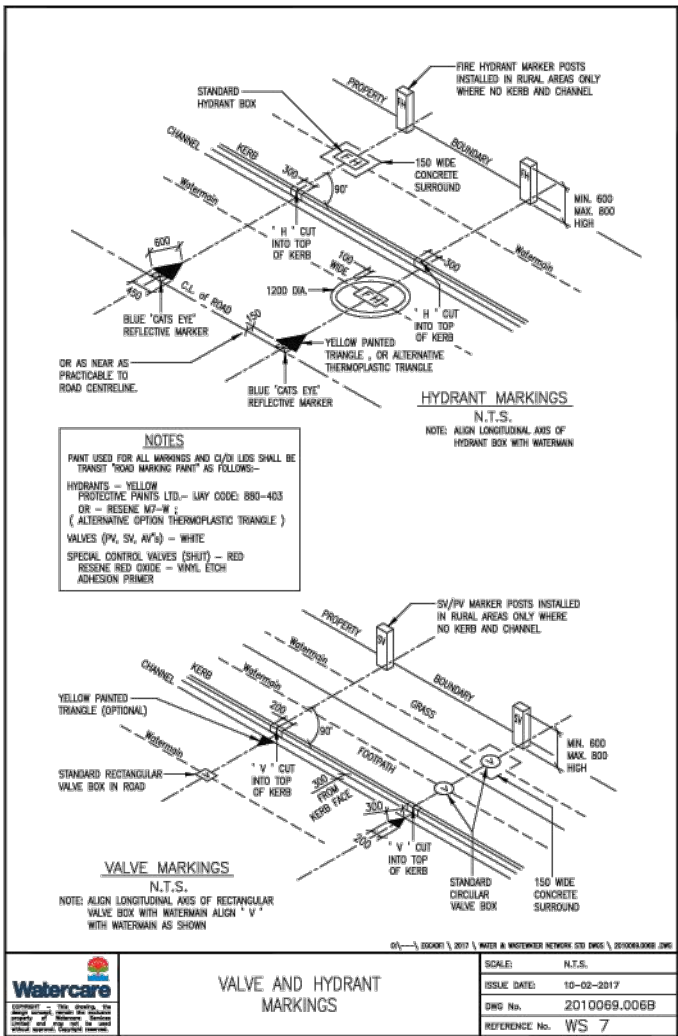
**SHEET 1 OF 3**

|             |         |         |               |
|-------------|---------|---------|---------------|
| ORIGINATOR: | DATE:   | SIGNED: | PLOT BY:      |
| SCN         | 04.2026 |         | SUT           |
| DRAWN:      | DATE:   | SIGNED: | PLOT DATE:    |
| SCN         | 11.2025 |         | 11/06/26      |
| CHECKED:    | DATE:   | SIGNED: | SURVEY BY:    |
| PZS         | 04.2026 |         | SURVEYED BY   |
| APPROVED:   | DATE:   | SIGNED: | SURVEY DATE:  |
| CJM         | 04.2026 |         | SURVEYED DATE |

ISSUE STATUS:

**FAST TRACK CONSENT**

|                  |        |              |     |
|------------------|--------|--------------|-----|
| PROJECT No.:     | SCALE: | NOT TO SCALE | A1  |
| A2515591.00      |        |              |     |
| DRAWING No.:     |        |              | REV |
| A2515591.00-6900 |        |              | A   |



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**FOR CONSENT**

| A   | FOR CONSENT | CJM | 02/2026 |
|-----|-------------|-----|---------|
| REF | REVISIONS   | BY  | DATE    |

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PROJECT: **BEACHLANDS FAST TRACK CONSENT APPLICATION BEACHLANDS SOUTH, AUCKLAND**

TITLE: **WATERMAIN STANDARD DETAILS SHEET 2 OF 3**

| ORIGINATOR: | DATE:   | SIGNED: | PLOT BY: |
|-------------|---------|---------|----------|
| SCT         | 04.2026 |         | SUT      |

| DRAWN: | DATE:   | SIGNED: | PLOT DATE: |
|--------|---------|---------|------------|
| SCT    | 11.2025 |         | 11/06/26   |

| CHECKED: | DATE:   | SIGNED: | SURVEY BY:  |
|----------|---------|---------|-------------|
| PZS      | 04.2026 |         | SURVEYED BY |

| APPROVED: | DATE:   | SIGNED: | SURVEY DATE:  |
|-----------|---------|---------|---------------|
| CJM       | 04.2026 |         | SURVEYED DATE |

ISSUE STATUS: **FAST TRACK CONSENT**

| PROJECT No: | SCALES: | NOT TO SCALE | A1 |
|-------------|---------|--------------|----|
| A2515591.00 |         |              |    |

| DRAWING No:      | SCALES: | NOT TO SCALE | REV |
|------------------|---------|--------------|-----|
| A2515591.00-6901 |         |              | A   |



