

WATER SUPPLY NOTES

1. ALL WORKS TO BE IN ACCORDANCE WITH KAPITI COAST DISTRICT COUNCIL LAND DEVELOPMENT MINIMUM REQUIREMENTS UNLESS DETAILED OTHERWISE.
2. ALL WORKS ON KAPITI COAST DISTRICT COUNCIL (KCDC) MAINS TO BE CARRIED OUT BY KCDC OR BY KCDC APPROVED CONTRACTOR.
3. SERVICES PIPES TO BE LAID PERPENDICULAR TO MAINS WHERE PRACTICABLE.
4. DETECTOR TAPE SHALL BE LAID ABOVE ALL WATER PIPES.
5. SERVICE LOCATION ARE SHOWN INDICATIVE ONLY AND NEED TO BE CONFIRMED AT DETAILED DESIGN STAGE.

LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- VJ — PROPOSED BULK METER

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

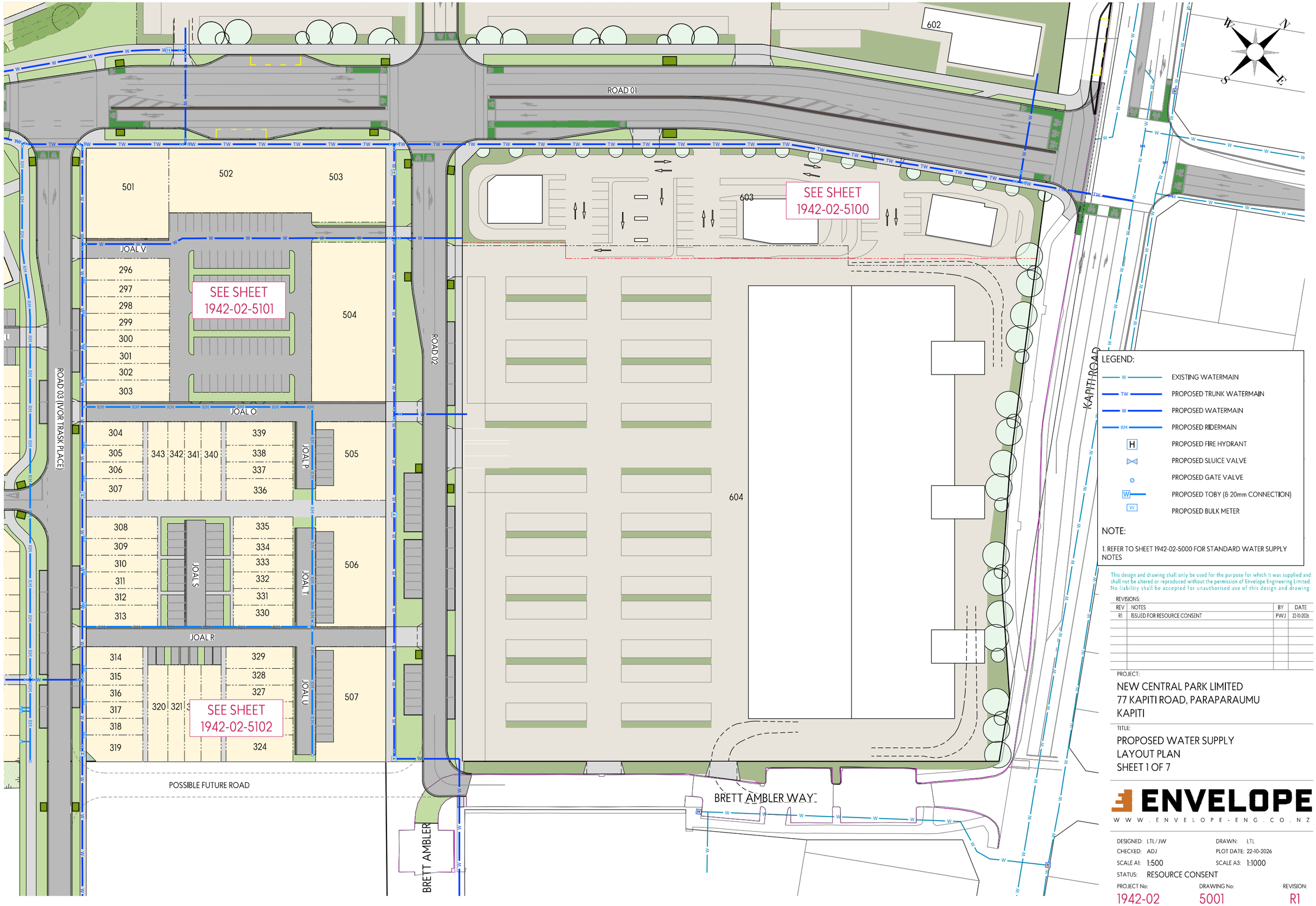
TITLE:

PROPOSED WATER SUPPLY
OVERALL LAYOUT PLAN

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED:	LTL / JW	DRAWN:	LTL
CHECKED:	ADJ	PLOT DATE:	22-10-2026
SCALE A1:	1:1500	SCALE A3:	1:3000
STATUS:	RESOURCE CONSENT		

PROJECT No:	DRAWING No:	REVISION:
1942-02	5000	R1



LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

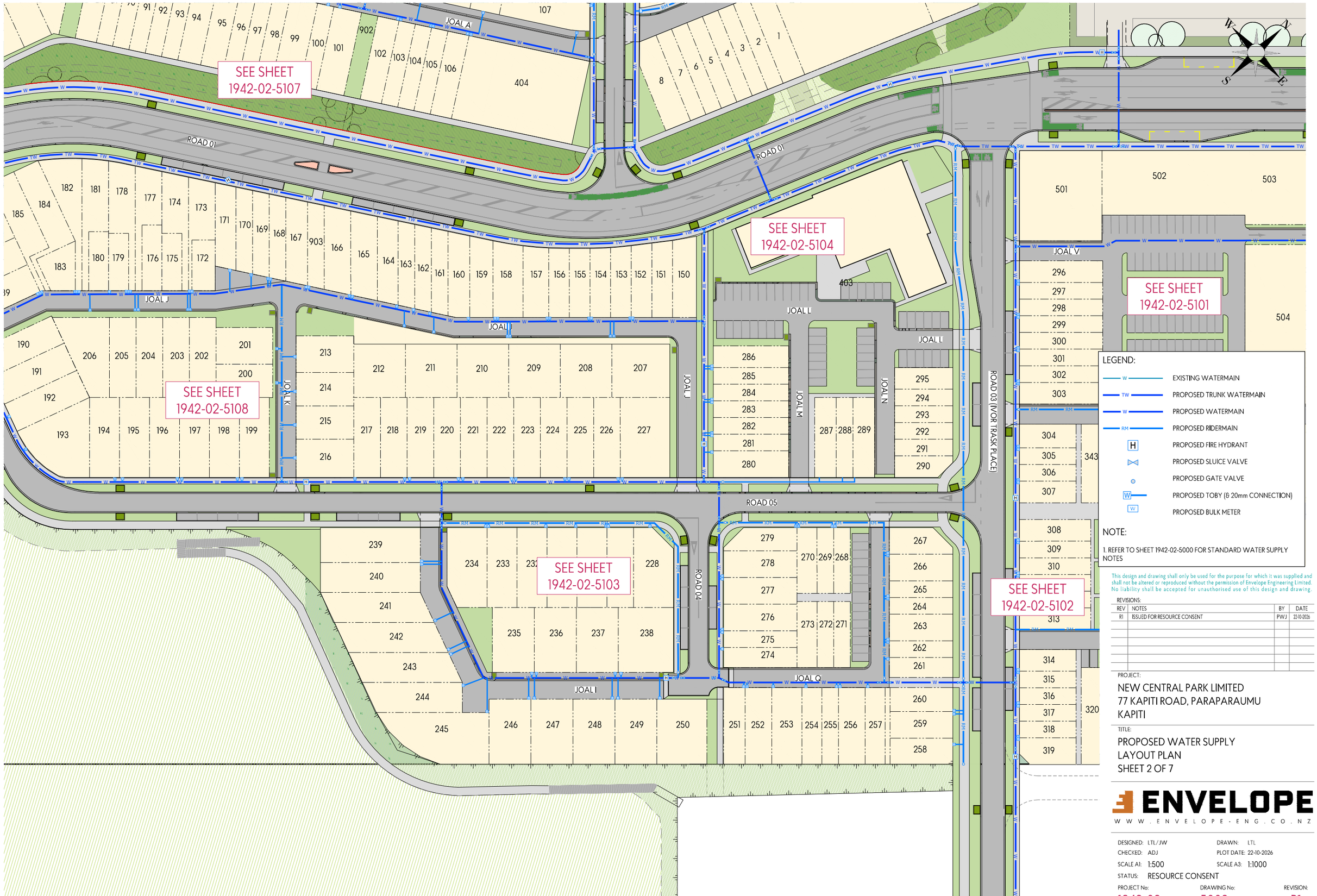
TITLE:

PROPOSED WATER SUPPLY
LAYOUT PLAN
SHEET 1 OF 7

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED:	LTL/JW	DRAWN:	LTL
CHECKED:	ADJ	PLOT DATE:	22-10-2026
SCALE A1:	1:500	SCALE A3:	1:1000
STATUS:	RESOURCE CONSENT		

PROJECT No:	DRAWING No:	REVISION:
1942-02	5001	R1



LEGEND:

- EXISTING WATERMAIN
- PROPOSED TRUNK WATERMAIN
- PROPOSED WATERMAIN
- PROPOSED RIDERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- PROPOSED TOBY (& 20mm CONNECTION)
- PROPOSED BULK METER

NOTE:

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

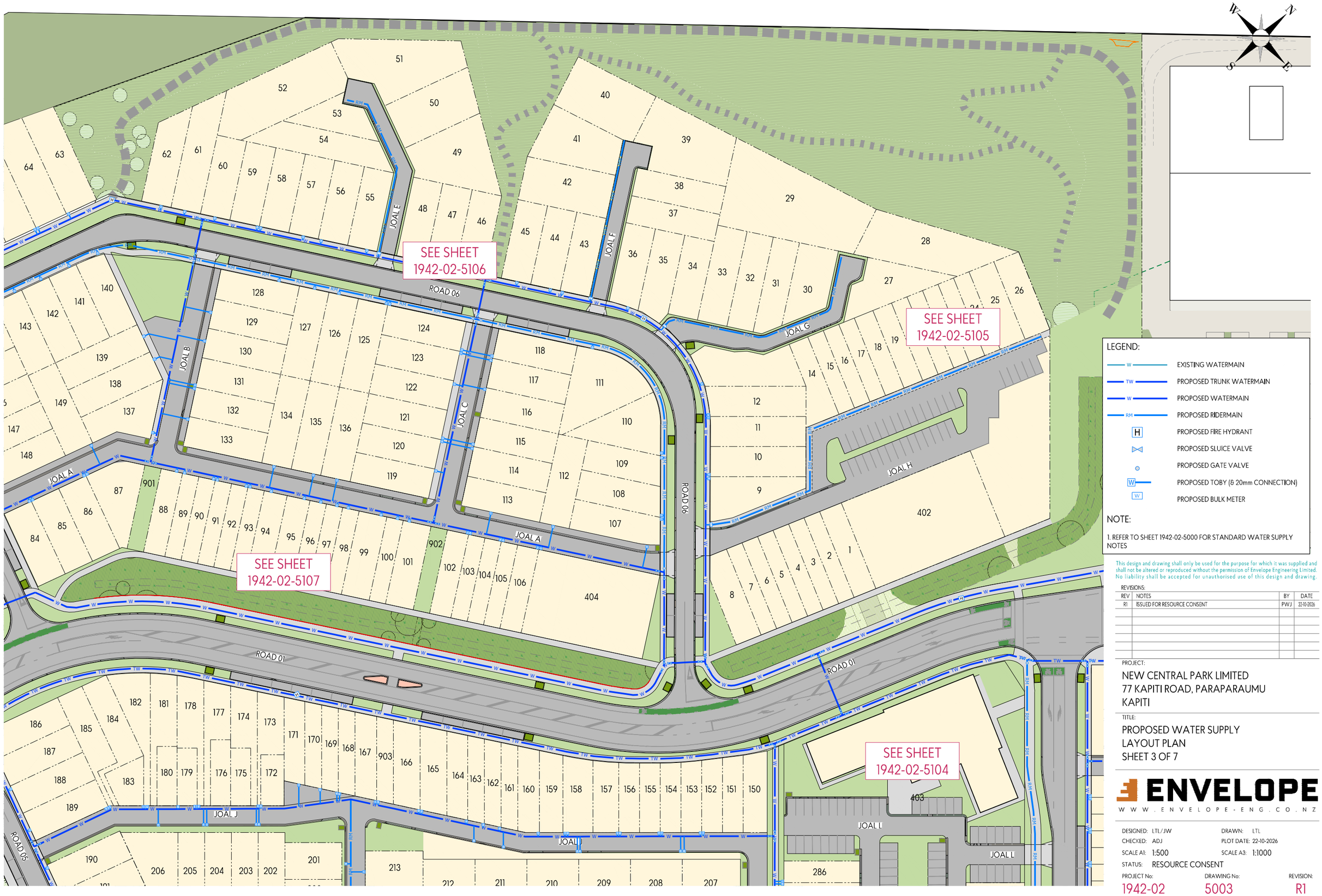
TITLE:

PROPOSED WATER SUPPLY LAYOUT PLAN
SHEET 2 OF 7

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL / JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:500
SCALE A3: 1:1000
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5002
REVISION: R1



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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED WATER SUPPLY
LAYOUT PLAN
SHEET 3 OF 7

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED:	LTL / JW	DRAWN:	LTL
CHECKED:	ADJ	PLOT DATE:	22-10-2026
SCALE A1:	1:500	SCALE A3:	1:1000
STATUS:	RESOURCE CONSENT		

PROJECT No:	DRAWING No:	REVISION:
1942-02	5003	R1

KAPITI EXPRESSWAY

SEE SHEET 1942-02-5106

SEE SHEET 1942-02-5110

SEE SHEET 1942-02-5109

ROAD 06

JOAL D

JOAL E

JOAL B

JOAL A

JOAL J

LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

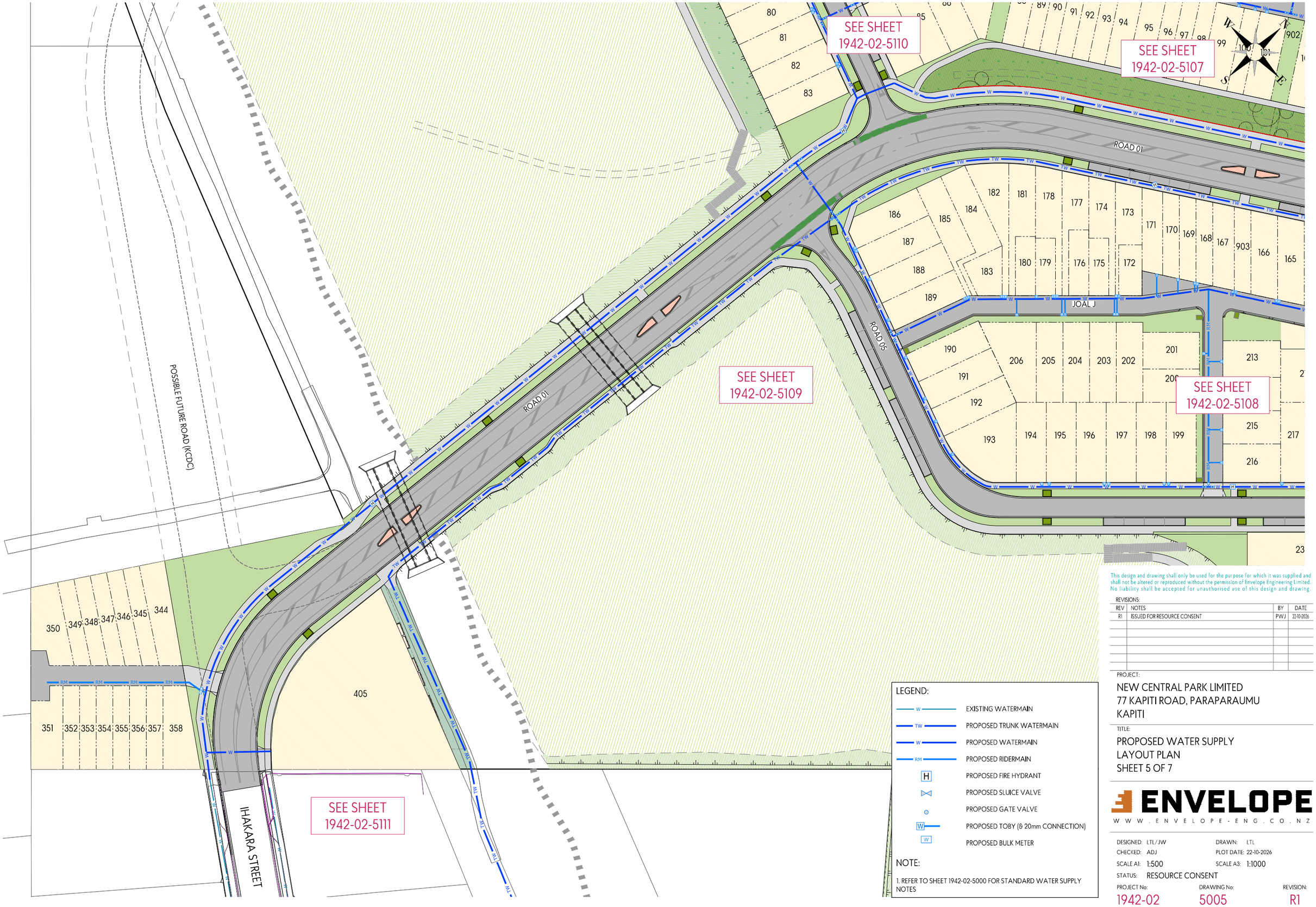
TITLE:

PROPOSED WATER SUPPLY
LAYOUT PLAN
SHEET 4 OF 7

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL/JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:500
SCALE A3: 1:1000
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5004
REVISION: R1



LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED WATER SUPPLY
LAYOUT PLAN
SHEET 5 OF 7

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL/JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:500
SCALE A3: 1:1000
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5005
REVISION: R1

IHAKARA STREET

RIMU ROAD

LEGEND:

- EXISTING WATERMAIN
- PROPOSED TRUNK WATERMAIN
- PROPOSED WATERMAIN
- PROPOSED RIDERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- PROPOSED TOBY (& 20mm CONNECTION)
- PROPOSED BULK METER

NOTE:

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

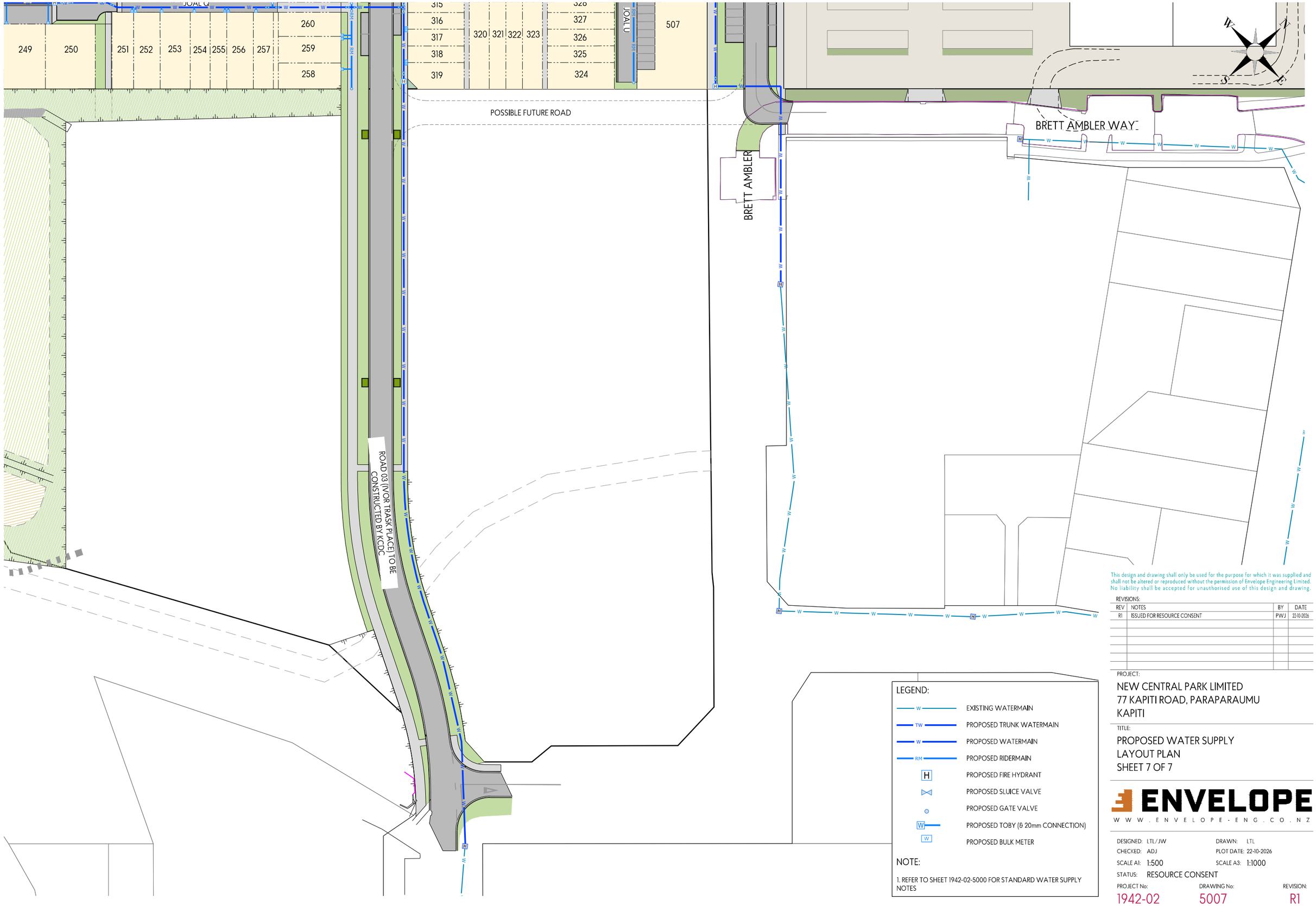
TITLE:

PROPOSED WATER SUPPLY
LAYOUT PLAN
SHEET 6 OF 7

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL / JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:750
SCALE A3: 1:1500
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5006
REVISION: R1



LEGEND:

- EXISTING WATERMAIN
- PROPOSED TRUNK WATERMAIN
- PROPOSED WATERMAIN
- PROPOSED RIDERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- PROPOSED TOBY (& 20mm CONNECTION)
- PROPOSED BULK METER

NOTE:

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

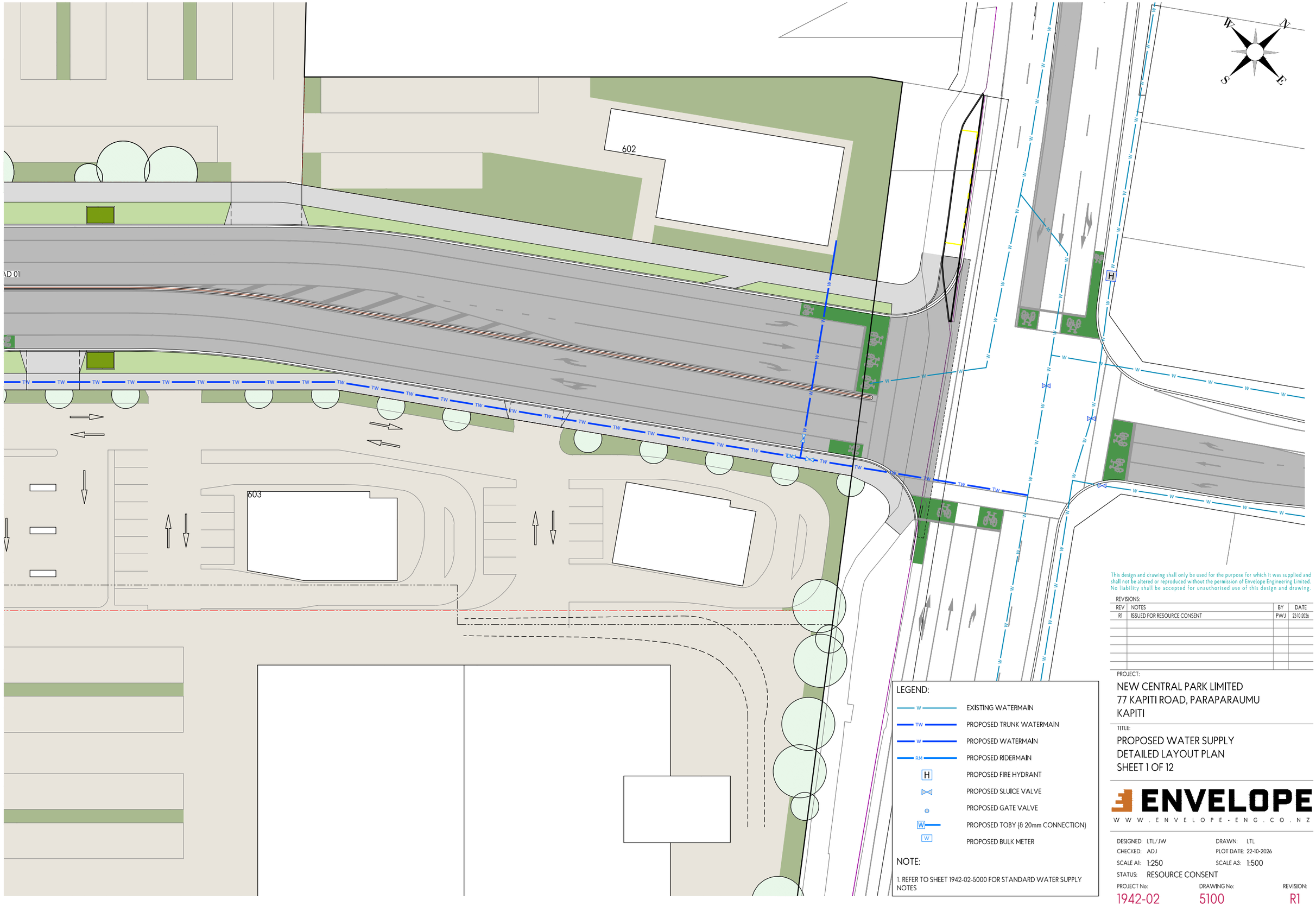
TITLE:

PROPOSED WATER SUPPLY
LAYOUT PLAN
SHEET 7 OF 7

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED:	LTL/JW	DRAWN:	LTL
CHECKED:	ADJ	PLOT DATE:	22-10-2026
SCALE A1:	1:500	SCALE A3:	1:1000
STATUS:	RESOURCE CONSENT		

PROJECT No:	DRAWING No:	REVISION:
1942-02	5007	R1



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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 1 OF 12

LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

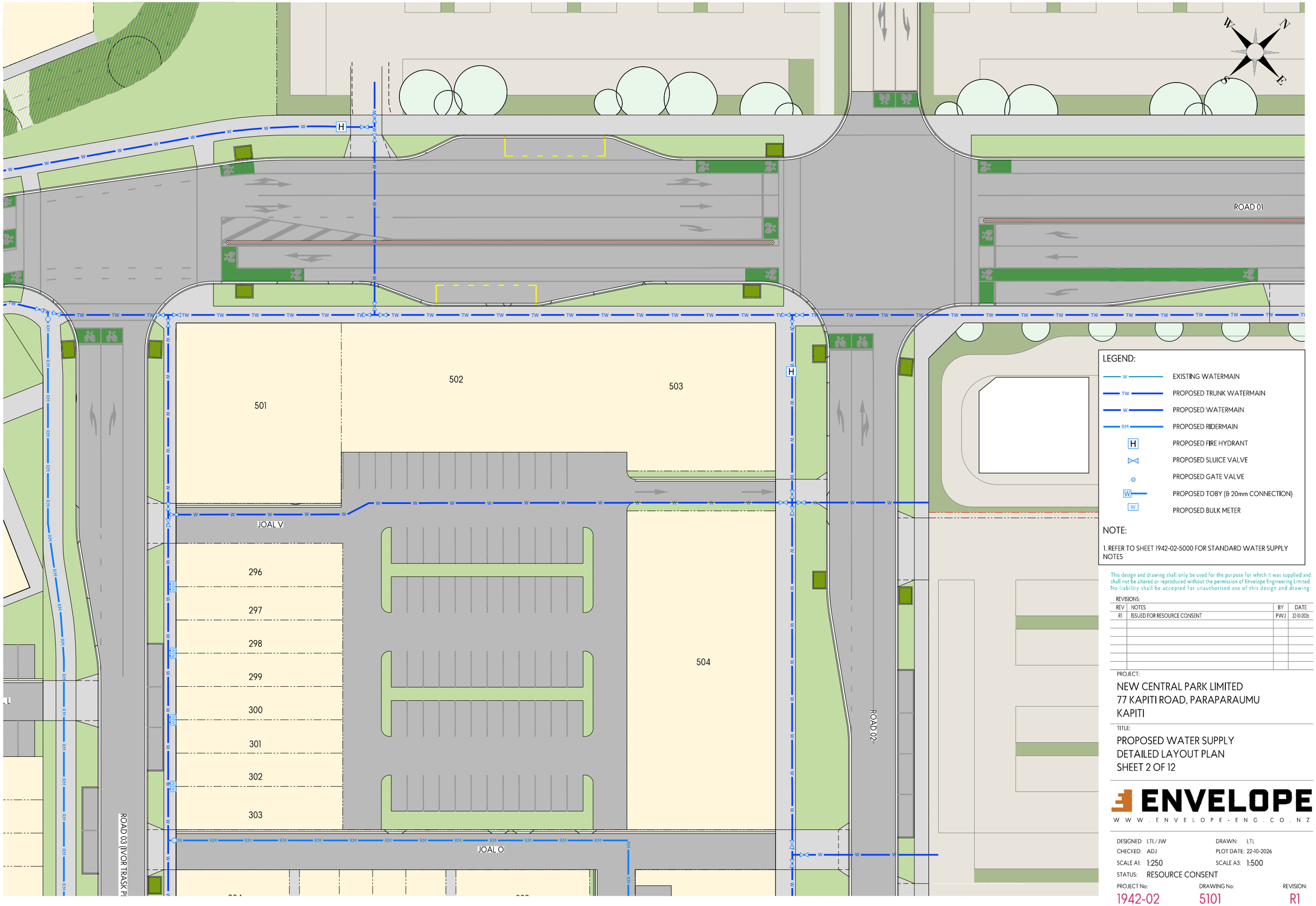
NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL/JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:250
SCALE A3: 1:500
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5100
REVISION: R1



LEGEND:

- EXISTING WATERMAIN
- PROPOSED TRUNK WATERMAIN
- PROPOSED WATERMAIN
- PROPOSED RIDERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- PROPOSED TOBY (& 20mm CONNECTION)
- PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 2 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED:	LTL / JW	DRAWN:	LTL
CHECKED:	ADJ	PLOT DATE:	22-10-2026
SCALE A1:	1:250	SCALE A3:	1:500
STATUS:	RESOURCE CONSENT		

PROJECT No:	DRAWING No:	REVISION:
1942-02	5101	R1



LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 3 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL/JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:250
SCALE A3: 1:500
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5102
REVISION: R1



LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

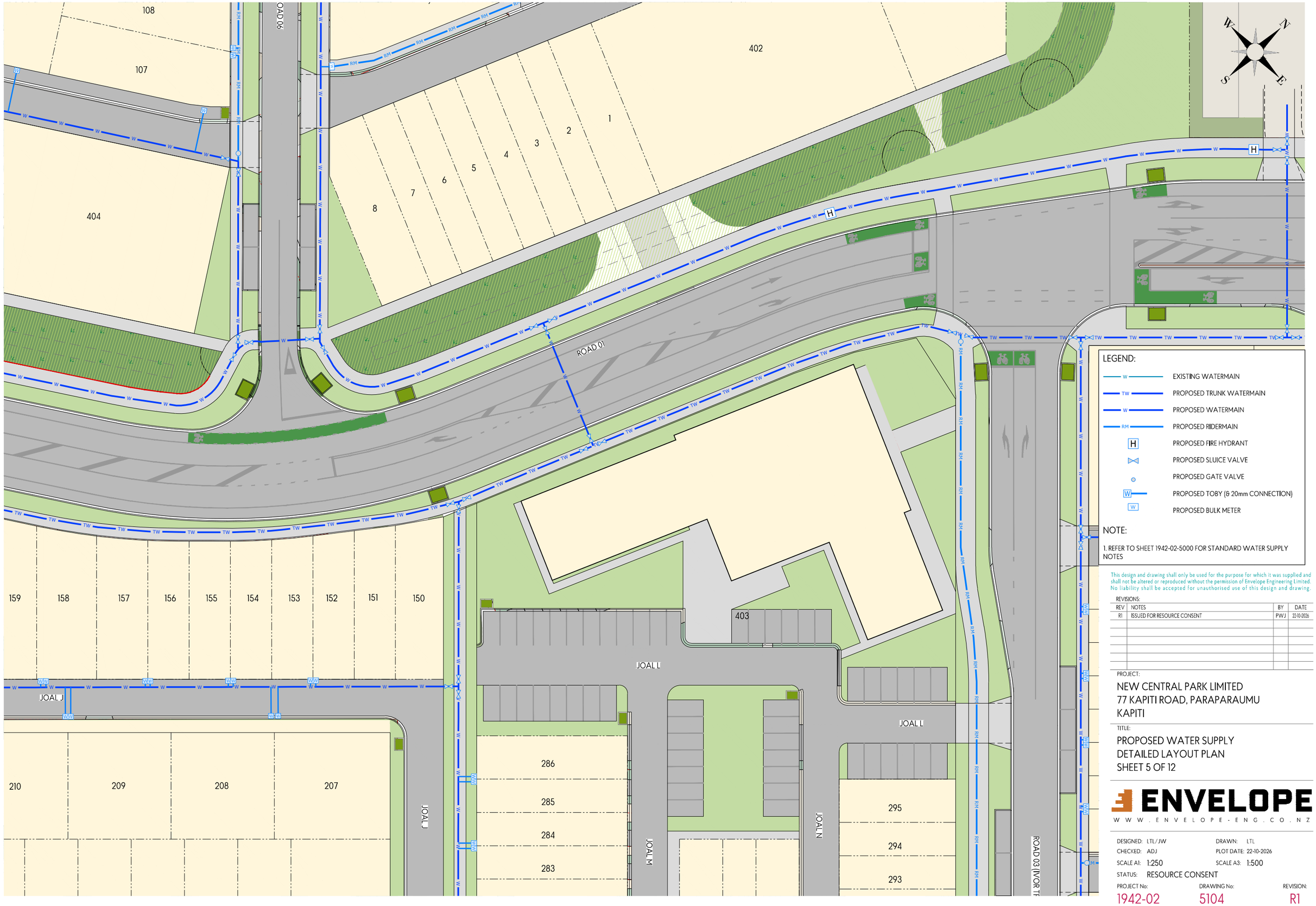
NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 4 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL/JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:250
SCALE A3: 1:500
STATUS: RESOURCE CONSENT
PROJECT No: 1942-02
DRAWING No: 5103
REVISION: R1



LEGEND:

- EXISTING WATERMAIN
- PROPOSED TRUNK WATERMAIN
- PROPOSED WATERMAIN
- PROPOSED RIDERMAIN
- PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- PROPOSED TOBY (& 20mm CONNECTION)
- PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

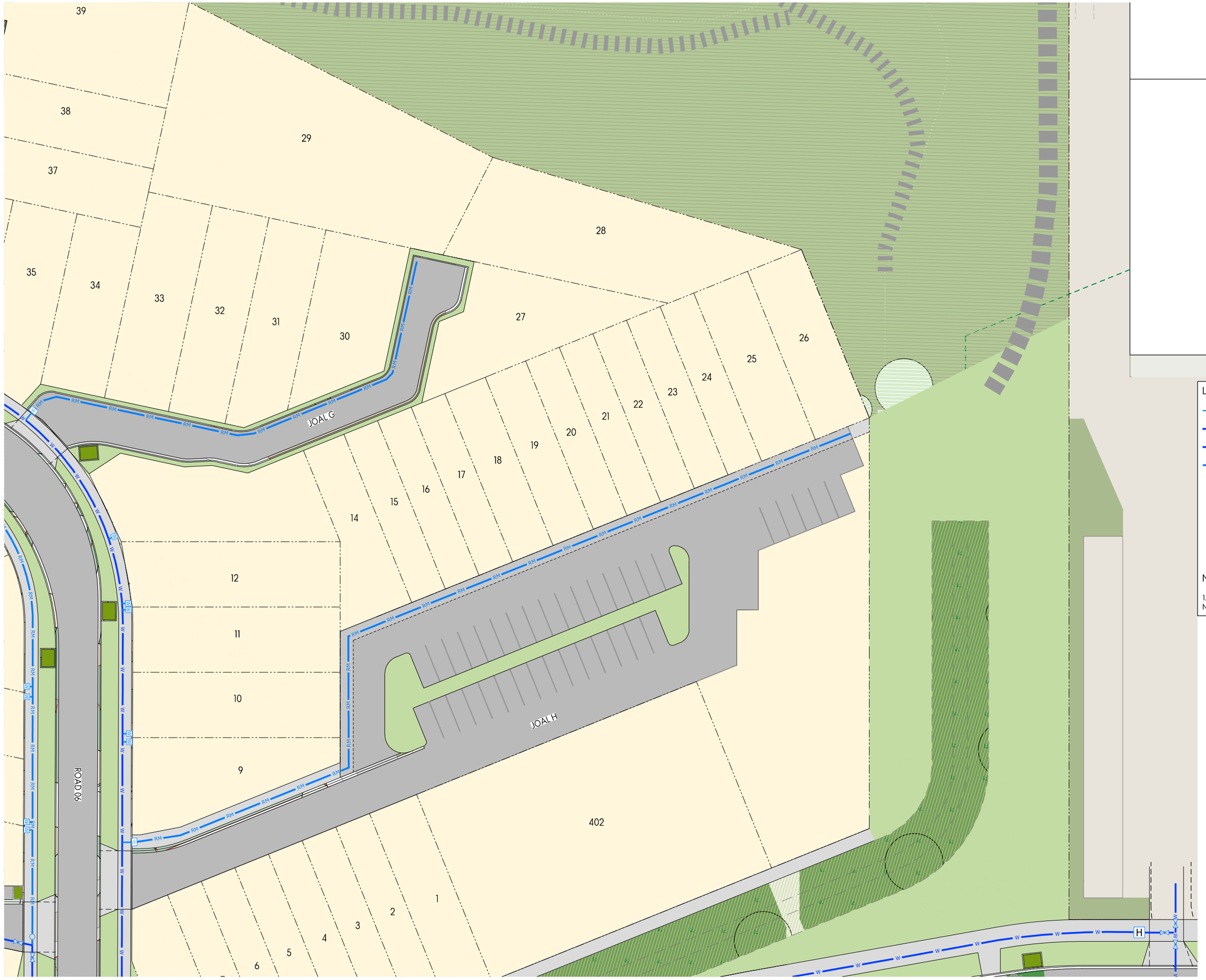
TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 5 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED:	LTL / JW	DRAWN:	LTL
CHECKED:	ADJ	PLOT DATE:	22-10-2026
SCALE A1:	1:250	SCALE A3:	1:500
STATUS:	RESOURCE CONSENT		

PROJECT No:	DRAWING No:	REVISION:
1942-02	5104	R1



LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

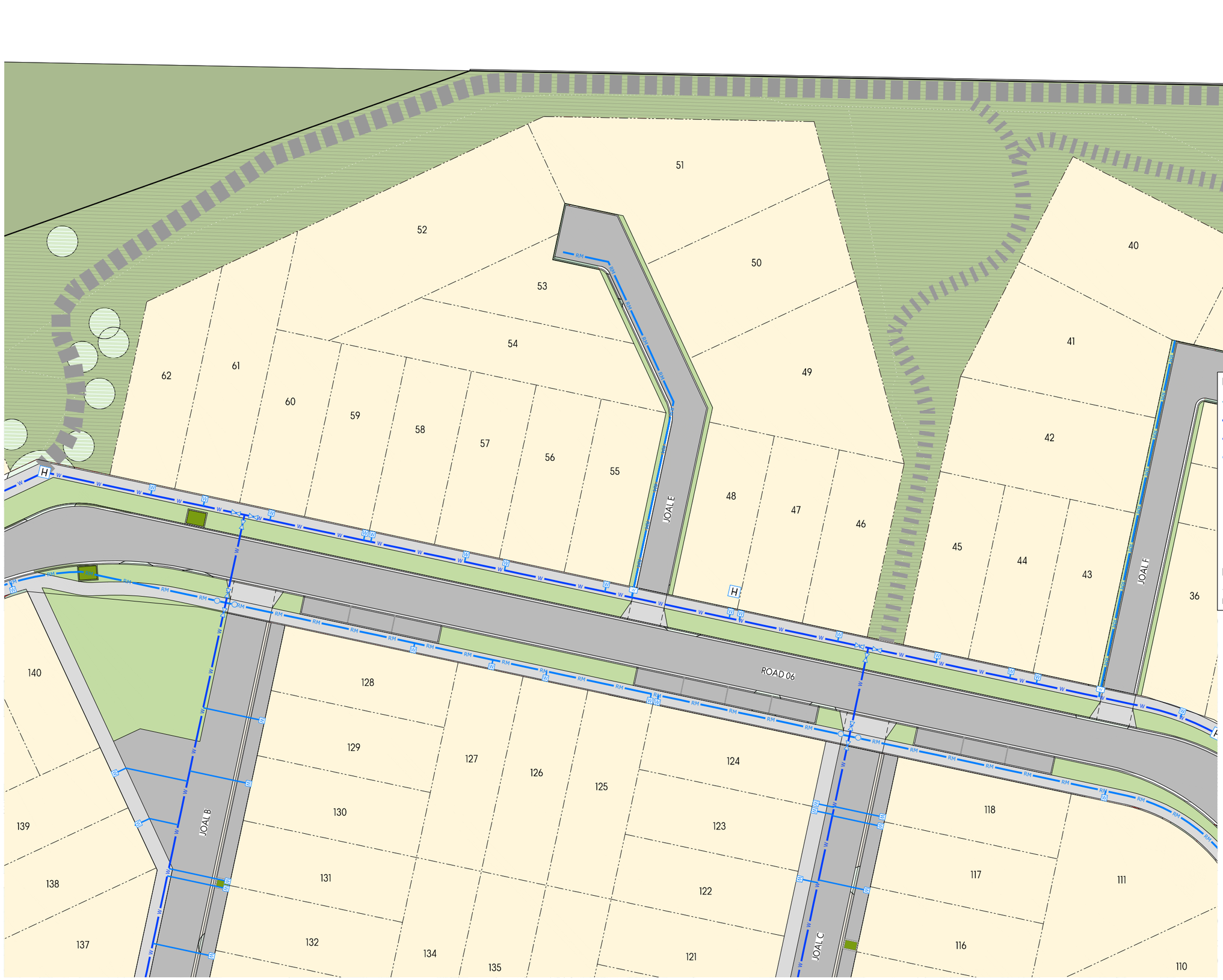
TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 6 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL / JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:250
SCALE A3: 1:500
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5105
REVISION: R1



LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 7 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL/JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:250
SCALE A3: 1:500
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5106
REVISION: R1



NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

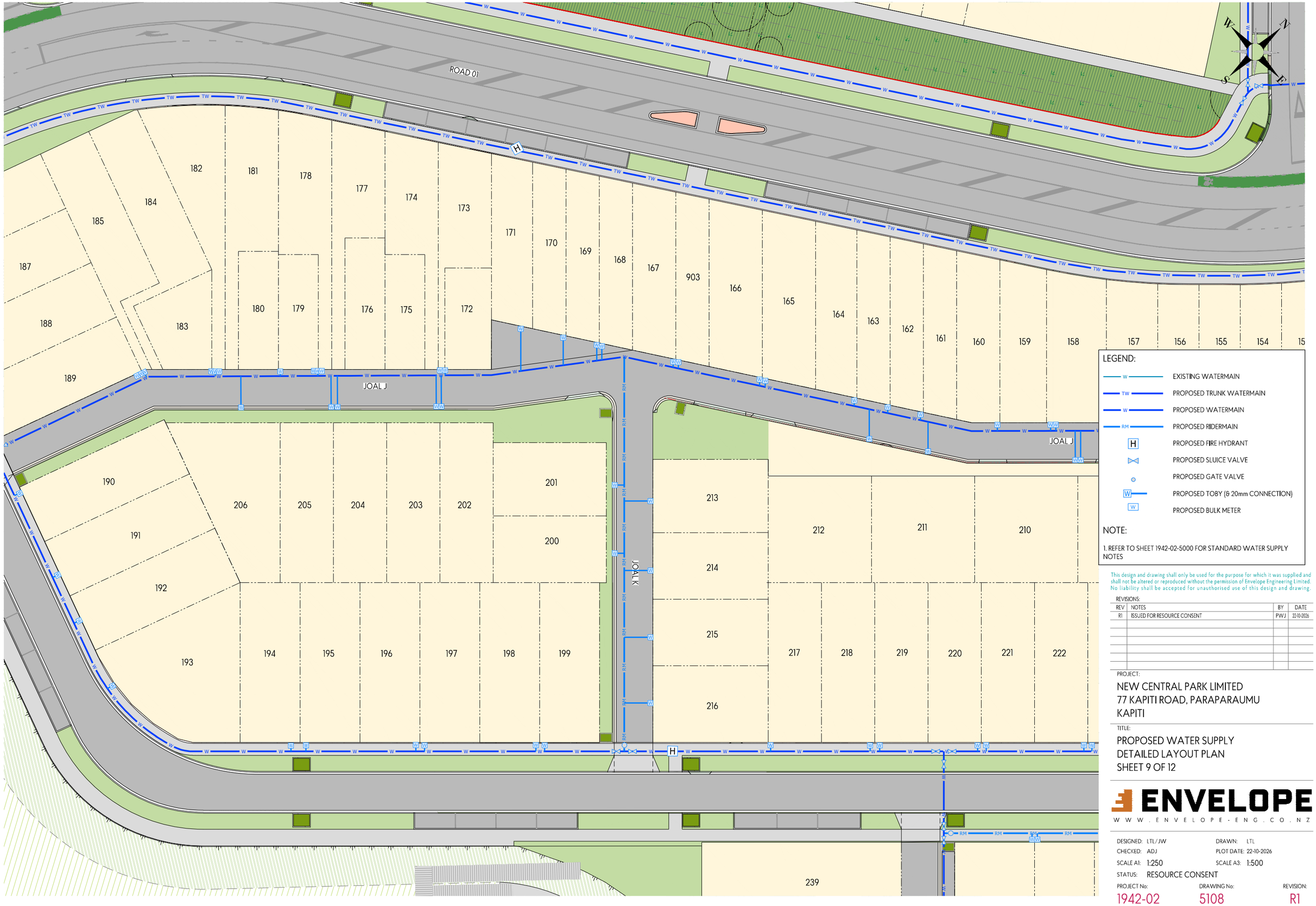
TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 8 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL / JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:250
SCALE A3: 1:500
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5107
REVISION: R1



LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

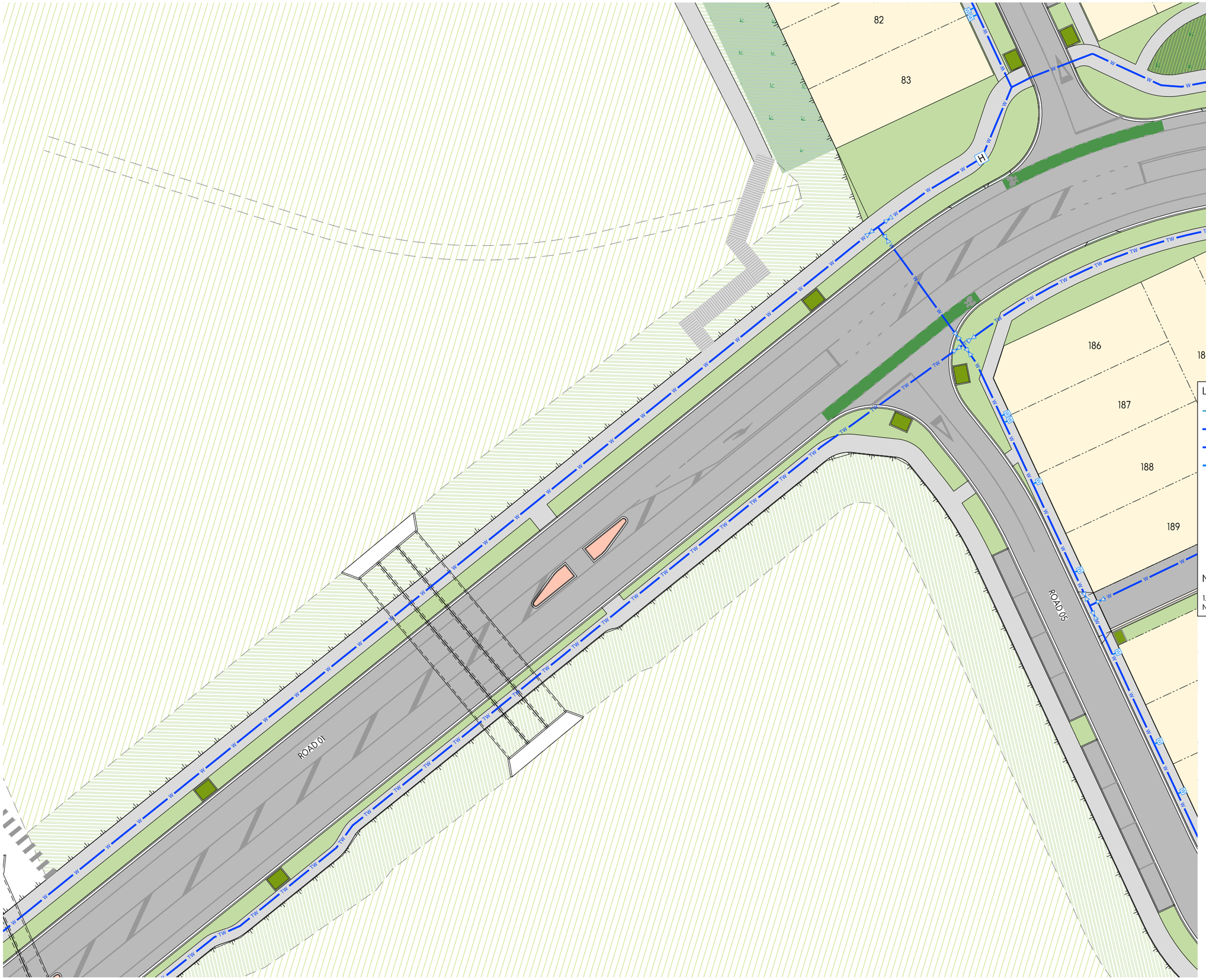
TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 9 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL / JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:250
SCALE A3: 1:500
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5108
REVISION: R1



NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 10 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL/JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:250
SCALE A3: 1:500
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5109
REVISION: R1



LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 11 OF 12

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED:	LTL/JW	DRAWN:	LTL
CHECKED:	ADJ	PLOT DATE:	22-10-2026
SCALE A1:	1:250	SCALE A3:	1:500
STATUS:	RESOURCE CONSENT		
PROJECT No:	1942-02	DRAWING No:	5110
REVISION:	R1		



LEGEND:

- W — EXISTING WATERMAIN
- TW — PROPOSED TRUNK WATERMAIN
- W — PROPOSED WATERMAIN
- RM — PROPOSED RIDERMAIN
- H — PROPOSED FIRE HYDRANT
- PROPOSED SLUICE VALVE
- PROPOSED GATE VALVE
- W — PROPOSED TOBY (& 20mm CONNECTION)
- W — PROPOSED BULK METER

NOTE:

1. REFER TO SHEET 1942-02-5000 FOR STANDARD WATER SUPPLY NOTES

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

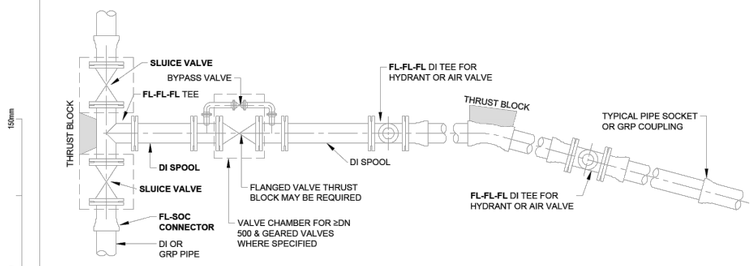
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PROPOSED WATER SUPPLY
DETAILED LAYOUT PLAN
SHEET 12 OF 12

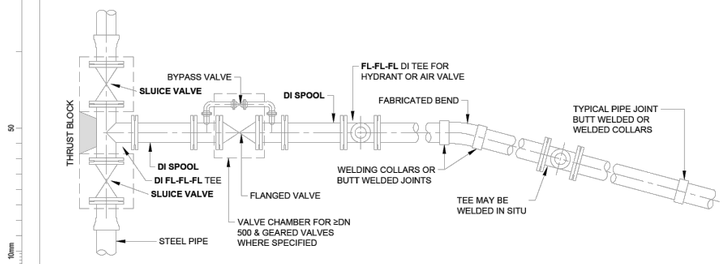
ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: LTL/JW
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: 1:250
SCALE A3: 1:500
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5111
REVISION: R1



TYPICAL INSTALLATION OF DI AND GRP MAINS



TYPICAL INSTALLATION OF STEEL MAINS

THRUST BLOCKS REQUIRED WHERE NON-RESTRAINING RUBBER RING JOINTS USED

NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. WHERE POSSIBLE USE A SINGLE LENGTH OF PE PIPE.
3. THRUST BLOCKS TO BE IN ACCORDANCE WITH KCDC-WS-004.
4. PVC PIPE TO BE USED AS SHROUD PIPE, CUT AS REQUIRED TO CLEAR VALVE DOLLY.
5. **FLANGE DRILLINGS TO NZS 4087 PN16.**
6. PROVIDE **PETROLIUM JELLY** CORROSION PROTECTION **SYSTEM** FOR ALL NON COATED METALLIC SURFACES IN ACCORDANCE WITH **MANUFACTURERS** REQUIREMENTS.
7. SERVICE CONNECTIONS NOT PERMITTED ON DISTRIBUTION MAINS WITHOUT **COUNCIL APPROVAL** APPROVAL.

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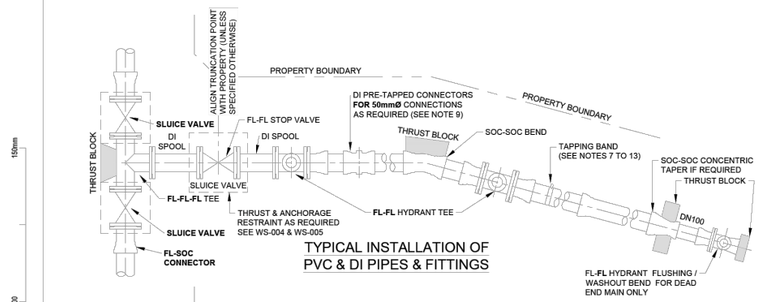
Kapiti Coast DISTRICT COUNCIL
Me Huri Whakamuri, Ka Titiro Whakamua

STANDARD DETAILS

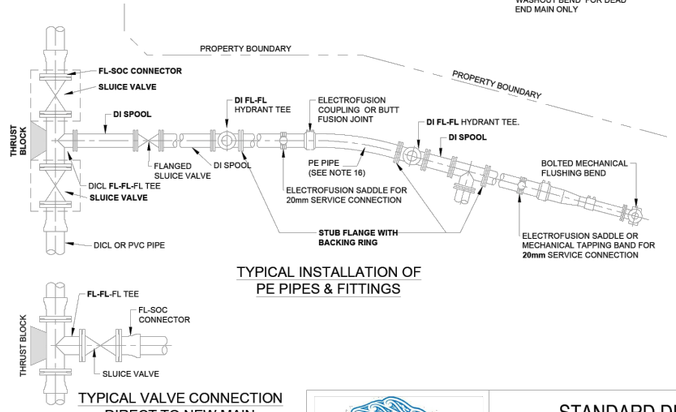
TYPICAL MAINS CONSTRUCTION
DISTRIBUTION AND TRUNK MAINS

Drawn	Designed	
J. GOODMAN	J. SAXTON	
Approved	Revision Date	
M. COLE	OCTOBER 2020	
Scale	Drawing No.	Revision
NOT TO SCALE	KCDC-WS-002	R2

Original Sheet Size A3 [297x420]



TYPICAL INSTALLATION OF
PVC & DI PIPES & FITTINGS



TYPICAL INSTALLATION OF
PE PIPES & FITTINGS

TYPICAL VALVE CONNECTION
DIRECT TO NEW MAIN

NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. **INSTALL PIPEWORK AFTER KERB LINES ARE INSTALLED TO ENSURE PARALLEL TO KERB AND AT SPECIFIED COVER.**
3. TAPPING BANDS SHALL BE **FULLY CIRCUMFERENTIAL AND MADE FROM** STAINLESS STEEL OR **LOW LEAD GUNMETAL** REQUIRING NO ADDITIONAL CORROSION PROTECTION.
4. **ALL FLANGE DRILLINGS TO NZS 4087 PN16.**
5. WRAP BOLTED CONNECTIONS USING OTHER THAN NYLON COATED FITTINGS AND STAINLESS STEEL BOLTS WITH A PETROLATUM TAPE SYSTEM
6. WHERE MAINS ARE 300 OR LARGER BYPASSES SHOULD BE INSTALLED FOR ALL MANUAL SLUICE VALVES.
7. ALL VALVES AND FITTINGS SHALL BE COATED WITH A THERMAL BONDED POLYMERIC COATING APPLIED IN ACCORDANCE WITH AS/NZS 4158.
8. ALL VALVES, FH, TEE'S, **SPOOLS AND SOCKET** CONNECTORS TO BE FLANGED. NZS 4087 PN16.
9. FLANGED **SPOOLS INSTALLED** TO GIVE SUFFICIENT SPACE FOR COMPACTION AND BOX SURROUNDS.
10. ALL VALVES TO BE LOCATED IN SAFE OPPERATTING LOCATION (OUT OF CARRIAGEWAY IF POSSIBLE)

DI & PVC PIPE

11. DUCTILE IRON FITTINGS MAY BE USED WITH DI & PVC PIPE, FITTINGS SHALL BE NYLON COATED AND LINED OR CEMENT LINED WITH A BITUMINOUS EXTERNAL COATING. DO NOT USE PVC FITTINGS WITH DI PIPE.
12. PE SLEEVING REQUIRED ON ALL BITUMINOUS COATED DI PIPE AND FITTINGS APPLIED IN ACCORDANCE WITH AS 3681. TWO THICKNESSES REQUIRED BETWEEN FITTINGS AND THRUST BLOCK. REINSTATE ANY DAMAGED SLEEVING AS PER MANUFACTURER'S SPECIFICATIONS.
13. USE **D.I.** PRE-TAPPED CONNECTORS ON **DN 50** NEW **RIDER** MAIN INSTALLATIONS.
14. USE TAPPING BANDS FOR **SERVICE** CONNECTIONS TO EXISTING MAINS AND NEW MAINS >DN 150.
15. ELECTRICALLY ISOLATE COPPER SERVICES FROM DICL PIPE.
16. WHERE **DI** FITTINGS ARE USED, A PROTECTIVE **POLYTHENE** MEMBRANE IS REQUIRED BETWEEN FITTING AND THRUST BLOCK.
17. MAXIMUM SIZE OF DRILLED HOLES FOR SERVICE CONNECTIONS IN PVC PIPE TO BE **AS DETAILED IN COUNCIL'S ADDENDUM CLAUSE 6.3.16.2.**

PE PIPE

18. PE PIPE MAY BE COLD BENT TO MINIMUM RADIUS OF 25 x (OD) STAKES OR OTHER SOURCES OF POINT LOADS SHALL NOT BE USED TO ASSIST IN BENDING THE PIPE.
19. MAKE ALLOWANCE DURING CONSTRUCTION FOR EXPANSION AND CONTRACTION OF PE PIPE DUE TO TEMPERATURE CHANGES.
20. BUTT WELDING IN ACCORDANCE WITH WSA-01 (POLYETHYLENE CODE). BUTT WELDING **IS THE PREFERRED JOINTING SYSTEM - ELECTROFUSION JOINTING SHOULD ONLY BE CONSIDERED IF BUTT WELDING IS NOT PRACTICAL.**
21. ALL MECHANICAL COUPLINGS **FOR PE PIPE** TO BE SELF-RESTRAINING.
22. **ALL PIPES AND FITTINGS TO BE INSTALLED AS PER MANUFACTURES SPECIFICATION.**

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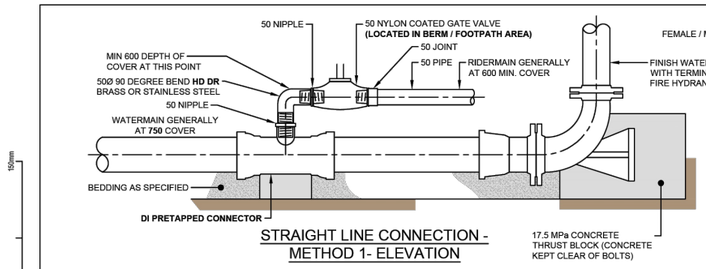
Kapiti Coast DISTRICT COUNCIL
Me Huri Whakamuri, Ka Titiro Whakamua

STANDARD DETAILS

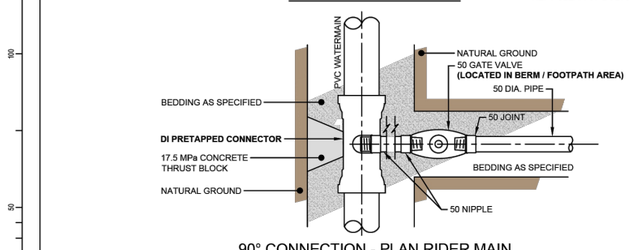
TYPICAL MAINS CONSTRUCTION
RETICULATION MAIN ARRANGEMENTS

Drawn	Designed	
J. GOODMAN	J. SAXTON	
Approved	Revision Date	
M. COLE	OCTOBER 2020	
Scale	Drawing No.	Revision
NOT TO SCALE	KCDC-WS-001	R2

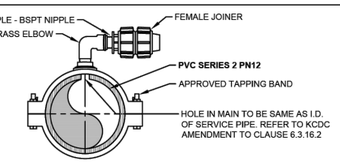
Original Sheet Size A3 [297x420]



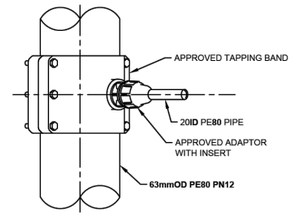
STRAIGHT LINE CONNECTION -
METHOD 1- ELEVATION



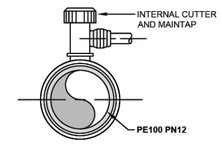
90° CONNECTION - PLAN RIDER MAIN
CONNECTIONS



STANDARD TAPPING ON PVC MAIN



STANDARD TAPPING **ON RIDER MAIN**



ELECTROFUSION TAPPING SADDLE PE PIPE

NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. USE METAL GATE VALVE ON 20mm CONNECTIONS WHERE REQUIRED BY **COUNCIL** OR WHERE SHUTTING DOWN MAIN TO REPAIR SERVICE WOULD CAUSE SIGNIFICANT INTERRUPTION TO SUPPLY.
3. USE PROPRIETARY IN LINE METAL VALVES APPROVED BY **COUNCIL** WHEN MAIN IS TAPPED UNDER PRESSURE. WHERE POSSIBLE, LAY SERVICE CONNECTIONS AND RIDER CONNECTIONS TO PRINCIPAL MAIN.
4. INSTALL METALLIC **WARNING** TAPE ON ALL WATERMAINS AND LATERALS.
5. RIDER MAINS **TO BE INSTALLED** FOR SERVICE CONNECTIONS TO PRINCIPAL MAIN USE DI PRETAPPED CONNECTORS FOR LARGE SERVICE CONNECTIONS AND RIDERMAINS.
6. **STANDARD COVER FOR 100+150 WATERMAINS. 750mm COVER**
7. **STANDARD COVER FOR 63mm RIDERMAINS, 600mm COVER**
8. **DOMESTIC FITTINGS (NIPPLES, THREADED PIPE) NOT PERMITTED IN RETICULATION**

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Me Huri Whakamuri, Ka Titiro Whakamua

STANDARD DETAILS

PROPERTY SERVICES
CONNECTION TO MAIN

Drawn	Designed	
A. KOCHAR	J. SAXTON	
Approved	Revision Date	
M. COLE	APRIL 2021	
Scale	Drawing No.	Revision
NOT TO SCALE	KCDC-WS-003	R4

Original Sheet Size A3 [297x420]

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REVISIONS:

REV	NOTES	BY	DATE
R1	ISSUED FOR RESOURCE CONSENT	PWJ	22-10-2026

PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED ROADING
STANDARD DETAILS
SHEET 1 OF 5

ENVELOPE
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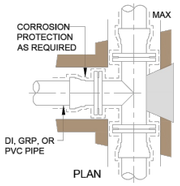
DESIGNED: PWJ
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: NOT TO SCALE
SCALE A3:
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5900
REVISION: R1

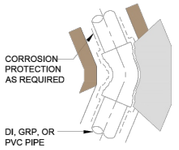
MINIMUM THRUST AREA FOR BLOCKS IN SQUARE METRES (m²) DESIGN PRESSURE 1000 kPa (NOM. 100 m HEAD)

SOIL CLASSIFICATION AND ALLOWABLE HORIZONTAL BEARING PRESSURE OF GROUND. SEE NOTE 3		90° AND 60° HORIZONTAL BENDS			45° AND 30° HORIZONTAL BENDS			22.5° HORIZONTAL BENDS			11.25° HORIZONTAL BENDS			TEES AND DEAD ENDS		
FOR HORIZONTAL THRUST ON TRENCH WALLS WHERE JOINT PIPES IS 450 OR GREATER		STIFF CLAY; MEDIUM DENSE; CLEAN SAND	VERY STIFF CLAY; DENSE SAND/GRAVEL; DECOMPOSED ROCK	HARD CLAY; SOUND ROCK	STIFF CLAY; MEDIUM DENSE; CLEAN SAND	VERY STIFF CLAY; DENSE SAND/GRAVEL; DECOMPOSED ROCK	HARD CLAY; SOUND ROCK	STIFF CLAY; MEDIUM DENSE; CLEAN SAND	VERY STIFF CLAY; DENSE SAND/GRAVEL; DECOMPOSED ROCK	HARD CLAY; SOUND ROCK	STIFF CLAY; MEDIUM DENSE; CLEAN SAND	VERY STIFF CLAY; DENSE SAND/GRAVEL; DECOMPOSED ROCK	HARD CLAY; SOUND ROCK	STIFF CLAY; MEDIUM DENSE; CLEAN SAND	VERY STIFF CLAY; DENSE SAND/GRAVEL; DECOMPOSED ROCK	HARD CLAY; SOUND ROCK
NOMINAL DIAMETER OF FITTING (DN)	PBH (kPa)	50	100	200	50	100	200	50	100	200	50	100	200	50	100	200
	100	0.34	0.17	N	0.18	N	N	N	N	N	N	N	N	0.24	0.12	N
	150	0.70	0.35	0.18	0.38	0.19	N	0.20	N	N	N	N	N	0.50	0.25	0.12
	200	1.20	0.60	0.30	0.64	0.32	0.16	0.34	0.17	N	0.16	N	N	0.84	0.42	0.21
	225	1.52	0.75	0.38	0.81	0.41	0.21	0.42	0.22	0.11	0.22	N	N	1.06	0.53	0.27
	250	1.80	0.91	0.45	0.98	0.49	0.25	0.50	0.25	0.12	0.26	0.13	N	1.28	0.64	0.32
	300	2.66	1.33	0.66	1.44	0.72	0.36	0.74	0.37	0.18	0.36	0.18	N	1.88	0.94	0.47
	375	4.04	2.02	1.01	2.18	1.09	0.55	1.12	0.56	0.28	0.56	0.28	0.14	2.86	1.43	0.72
	225	5.71	2.86	0.73	3.09	1.55	0.40	1.58	0.79	0.20	1.58	0.79	0.20	4.04	2.02	0.52
	250	6.98	3.49	0.89	3.78	1.89	0.49	1.93	0.98	0.25	1.93	0.98	0.25	4.93	2.37	0.63
	300	9.89	4.95	1.27	5.36	2.68	0.68	2.73	1.36	0.35	2.73	1.36	0.35	6.90	3.50	0.89
	375	15.16	7.58	1.94	8.21	4.10	1.05	4.19	2.10	0.53	4.19	2.10	0.53	10.72	5.36	1.37

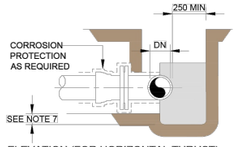
'N' DENOTES NOMINAL THRUST AREA - (SEE NOTES 4 & 5)
PBH - ALLOWABLE HORIZONTAL BEARING PRESSURE



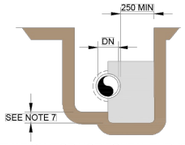
PLAN



PLAN



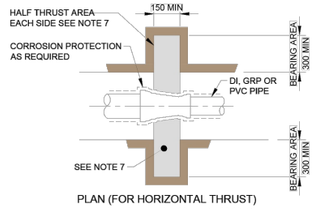
ELEVATION (FOR HORIZONTAL THRUST)
THRUST BLOCK FOR TEES



ELEVATION (FOR HORIZONTAL THRUST)
THRUST BLOCK FOR BENDS

NOTE:

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
2. CAST THE THRUST AREA OF ALL THRUST BLOCKS AGAINST A CLEAN FACE OF UNDISTURBED NATURAL SOIL. THRUST BLOCKS NOT TO INTERFERE WITH OTHER SERVICES **USING 20MPa CONCRETE**.
3. DO NOT USE STANDARD THRUST BLOCKS AS SPECIFIED IN THIS DRAWING IN:
   - VERY SOFT, SOFT, OR FIRM CLAY.
   - LOOSE CLEAN SAND.
   - UNCOMPACTED FILL OR REFUSE.
4. A GEOTECHNICAL ASSESSMENT AND INDIVIDUAL DESIGN IS REQUIRED FOR THESE SOILS.
5. THE NOMINAL THRUST AREA 'N' TO BE ACHIEVED BY POURING CONCRETE THE FULL LENGTH OF THE FITTING AND TO A DEPTH THAT ENSURES THE THRUST IS VERTICALLY AND HORIZONTALLY CENTRED ON THE RESULTING THRUST BLOCK. SEE ALSO NOTE 7.
6. DESIGN PRESSURES OTHER THAN 1000 kPa REDUCE OR INCREASE THE MINIMUM THRUST AREA BY THE RATIO OF THE DESIGN PRESSURES EXCEPT WHERE:
   - MIN THRUST AREA IS <0.1 m², AN
   - 'N' APPEARS IN THE TABLE AND DESIGN PRESSURE IS ABOVE 1000 kPa. CALCULATE THE AREA.
7. FINISH THRUST BLOCKS APPROXIMATELY 100 ABOVE THE TOP OF THE FITTING OR BEARING PAD AND EXTEND TO THE FLOOR OF THE TRENCH OR DEEPER IF NECESSARY TO ACHIEVE THE REQUIRED THRUST AREA. MAXIMUM ENCASEMENT TO BE 180°.
8. THE MINIMUM THRUST AREA FOR TAPER THRUST BLOCKS TO BE EQUAL TO THE DIFFERENCE BETWEEN THE THRUST AREAS FOR DEAD ENDS OF EQUIVALENT DIAMETER TO THOSE EACH SIDE OF TAPER.
9. FOR DOWNWARD VERTICAL THRUST, THE ALLOWABLE BEARING PRESSURES FOR VARIOUS SOILS MAY BE TAKEN AS TWICE THAT FOR HORIZONTAL THRUST SHOWN.
10. WHEN POURING CONCRETE AGAINST FITTINGS PLACE A MEMBRANE OF POLYETHYLENE, PVC OR FELT BETWEEN THE FITTING AND CONCRETE TO PREVENT DAMAGE TO THE FITTING. JOINTS TO BE CLEAR OF CONCRETE.
11. CONCRETE TO BE KEPT CLEAR OF BOLTS & FLANGES OR GIBAULT JOINTS TO ALLOW FITTINGS TO BE REMOVED WITHOUT INTERFERING WITH ANCHOR BLOCK.



PLAN (FOR HORIZONTAL THRUST)
TAPER THRUST BLOCK

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STANDARD DETAILS

THRUST BLOCKS
CONCRETE BLOCK DETAILS

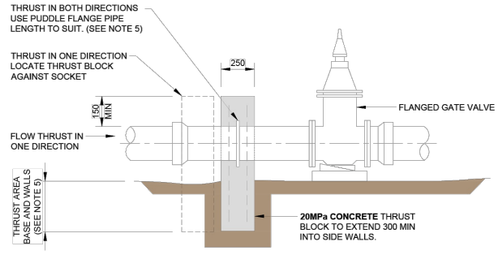
Drawn	Designed
J. GOODMAN	J. SAXTON
Approved	Revision Date
M. COLE	OCTOBER 2020
Scale	Drawing No.	Revision
NOT TO SCALE	KCDC-WS-004	R1

Original Sheet Size A3 [297x420]

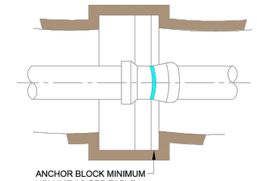
MINIMUM BLOCK VOLUME FOR ANCHORAGE

VERTICAL BENDS FOR TEST PRESSURE OF 1000 kPa (SEE NOTE 2)			
PIPE DN	CONCRETE VOLUME M³		
	11.25° BEND	22.5° BEND	45° BEND
100	N	N	0.3
150	N	0.3	0.6
200	0.2	0.5	1.1
225	0.3	0.6	1.4
250	0.3	0.7	2.5
300	0.4	1.1	3.8
375	0.7	1.8	5.8
450	DETAILED DESIGN REQUIRED		
500			
600	(ALTERNATIVE METHODS TO BE CONSIDERED)		
750			

'N' - NO ADDITIONAL RESTRAINT REQUIRED (COMPACTED TRENCHFILL SUFFICIENT)



FLANGED VALVES



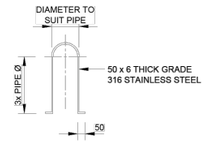
PLAN

ANCHOR BLOCK CONSTRUCTION NOTES:

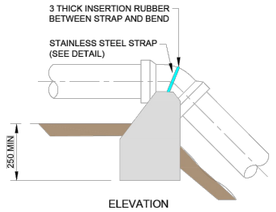
- LOCATE ANCHOR BLOCK CENTRALLY AROUND BEND.
- KEY ANCHOR BLOCK INTO BASE OF TRENCH A MINIMUM DEPTH OF 250.
- POUR CONCRETE AGAINST A SOLID EXCAVATION FACE.
- USE GRADE 20 MPa CONCRETE.
- KEEP CONCRETE CLEAR OF ALL BOLTS, NUTS, AND PIPE JOINTS.

NOTE:

1. ALL DIMENSIONS IN MILLIMETRES, UNLESS SHOWN OTHERWISE.
2. ANCHOR BLOCKS IN THE TABLE ARE DESIGNED FOR A TEST PRESSURE OF 1000 kPa (100 m HEAD) ADJUST CONCRETE VOLUME TO SUIT ACTUAL TEST PRESSURE.
3. THRUST BLOCK REINFORCEMENT AS SPECIFIED IN DESIGN DRAWINGS.
4. WHERE SPECIFIED PROVIDE CONCRETE THRUST BLOCKS FOR **FL-FL** VALVES. THRUST AREA TO BE AS FOR DEAD ENDS AS SHOWN IN WS-004.
5. INSTALL PUDDLE FLANGES ON CLASS **PN25** DICL PIPE.



TYPICAL SS STRAP



ELEVATION
VERTICAL BENDS

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KCDC AMENDMENTS TO NZS 4404:2010 SHOWN IN **BOLD**.

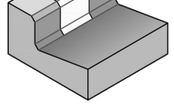
Kāpiti Coast DISTRICT COUNCIL
Me Huri Whakamuri, Ka Titiro Whakamua

STANDARD DETAILS

THRUST AND ANCHOR BLOCKS
GATE VALVES AND VERTICAL BENDS

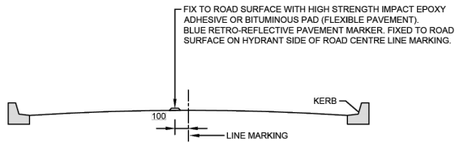
Drawn	Designed
J. GOODMAN	J. SAXTON
Approved	Revision Date
M. COLE	OCTOBER 2020
Scale	Drawing No.	Revision
NOT TO SCALE	KCDC-WS-005	R3

Original Sheet Size A3 [297x420]



STANDARD MARKER LETTERS 80 HIGH x 80 WIDE x 15 STROKE WIDTH TO BE ENGRAVED INTO THE KERB. KERB PAINTED **WHITE**.

KERB MARKING



HYDRANT RETRO-REFLECTIVE PAVEMENT MARKER

NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. TYPE, LOCATION, AND ORIENTATION OF MARKERS(INCLUDING FOR SERVICE VALVES (TOBIES) TO BE IN ACCORDANCE WITH **COUNCIL STANDARDS**.
3. RAISED PAVEMENT RETRO-REFLECTIVE MARKERS TO COMPLY WITH AS 1906.3.
4. FH MARKINGS IN RIGHT OF WAYS TO FACE DOWN RIGHT OF WAY FROM MAIN ROAD

SERVICE MARKER DETAILS

MARKER	PURPOSE	PAINTED COLOUR	DETAILS
T	FOR SERVICE CONNECTIONS	WHITE	N/A
V	FOR SLUICE **AND GATE** VALVES	WHITE	N/A
FH	FOR FIRE HYDRANTS	YELLOW	PAINT TOP OF KERB FACE FOR A WIDTH OF 300 **AND PAINTED TRIANGLE ON CENTRELINE OF CARRIAGEWAY AS PER NZS 4509**

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KCDC AMENDMENTS TO NZS 4404:2010 SHOWN IN **BOLD**.

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Me Huri Whakamuri, Ka Tītiro Whakamua

STANDARD DETAILS

VALVE AND HYDRANT
IDENTIFICATION MARKERS

Drawn	Designed
A. KOCHAR	J. SAXTON
Approved	Revision Date
M. COLE	MAY 2021
Scale	Drawing No.	Revision
NOT TO SCALE	KCDC-WS-006	R4

Original Sheet Size A3 [297x420]

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REV	NOTES	BY	DATE
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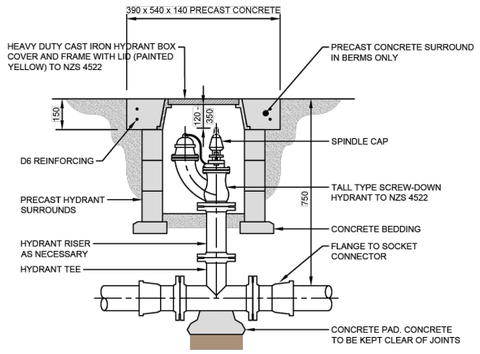
PROJECT:
NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:
PROPOSED ROADING
STANDARD DETAILS
SHEET 2 OF 5

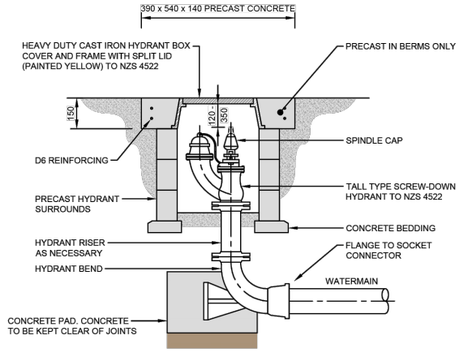
ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED: PWJ
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: NOT TO SCALE
SCALE A3:
STATUS: RESOURCE CONSENT

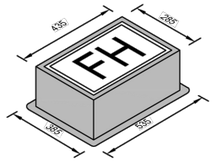
PROJECT No: 1942-02
DRAWING No: 5901
REVISION: R1



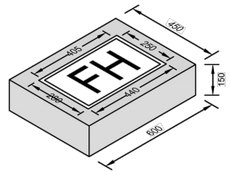
FIRE HYDRANT BOX



TERMINAL HYDRANT BOX



CAST IRON LID
TO BE USED IN FOOTPATHS, VEHICLE CROSSINGS & CARRIAGEWAYS

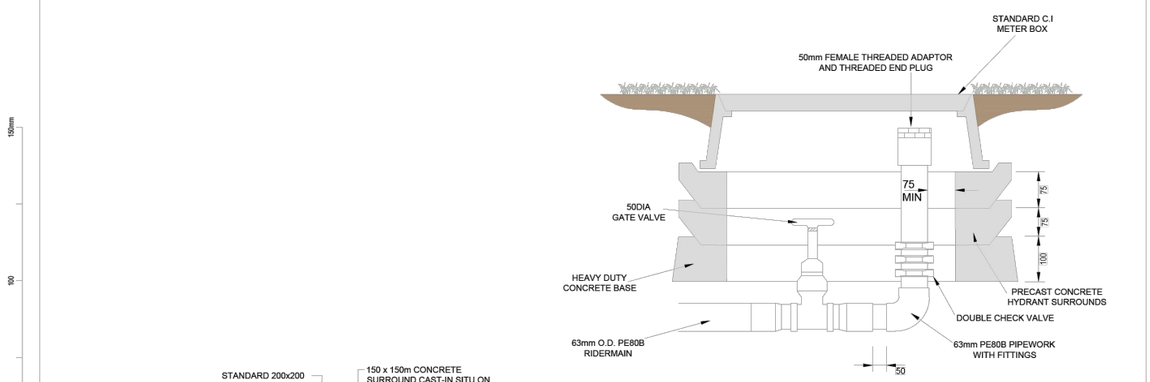


PRECAST CONCRETE CI LID
BERM USE ONLY

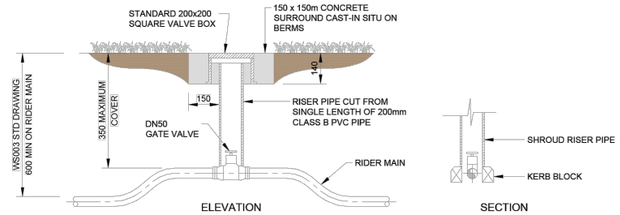
NOTE:
1. ALL DIMENSIONS IN MILLIMETRES.
2. DEPTH OF MAIN 750mm COVER.
3. DIMENSIONS DEPENDANT ON SUPPLIER.

STANDARD DETAILS	Drawn: A. KOCHAR	Designed: J. SAXTON	
MAINS AND RIDER MAINS FIRE HYDRANTS	Approved: M. COLE	Revision Date: APRIL 2021	
	Scale: NOT TO SCALE	Drawing No.: KCDC-WS-008	Revision: R4

Original Sheet Size A3 [297x420]



FLUSHOUT AT END OF RIDERMAIN

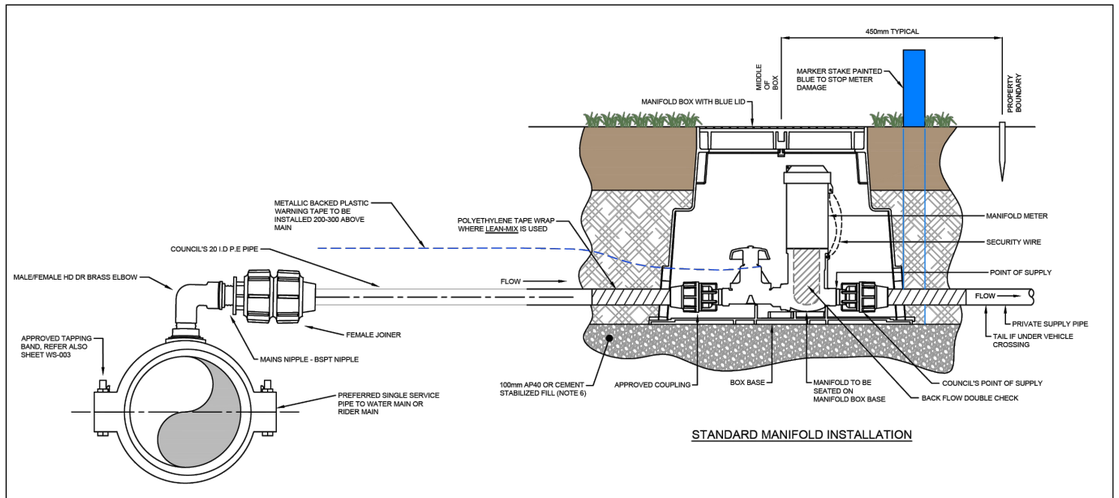


GATE VALVE

NOTE:
1. ALL DIMENSIONS IN MILLIMETRES.
2. FIT THE FLUSHING POINT VALVE IN SUCH A WAY AS TO PREVENT MOVEMENT OR ROTATION OF THE VALVE BODY. PROVIDE A SUITABLE PLUG OR CAP TO KEEP OUT DIRT AND GRAVEL.
3. FLUSHING POINTS SHOULD ONLY BE USED IN UNAVOIDABLE DEAD ENDS OF PIPES.

STANDARD DETAILS	Drawn: J. GOODMAN	Designed: J. SAXTON	
MAINS AND RIDER MAINS FLUSHING POINTS AND GATE/PEET VALVES	Approved: M. COLE	Revision Date: OCTOBER 2020	
	Scale: NOT TO SCALE	Drawing No.: KCDC-WS-009	Revision: R4

Original Sheet Size A3 [297x420]



STANDARD MANIFOLD INSTALLATION

TYPICAL WATER SERVICE PIPE AND WATER SERVICE VALVE MANIFOLD/TOBY

NOTE:
1. ALL DIMENSIONS IN MILLIMETRES.
2. SERVICE TO BE LAID TO THE CENTRE OF THE FRONT PROPERTY BOUNDARY AND AT RIGHT ANGLES TO STREET BOUNDARY.
3. THE INSTALLATION IS TO UTILISE THE STANDARD MANIFOLD METER SYSTEM WITH THE DOUBLE CHECK AND STRAINER IN THE BODY OF THE MANIFOLD.
4. FOR NEW ALOTMENTS A DUAL/RESTRICTED MANIFOLD SHALL BE INSTALLED. SEE KCDC WS 015.
5. NEW WATER SERVICE INSTALLATIONS OR ALTERED EXISTING WATER SERVICES SHALL BE FITTED WITH DUAL RESTRICTED MANIFOLDS FROM 2009.
6. 100mm COMPACTED AP40 OR CEMENT STABILIZED FILL UNDER BOX
7. WHEN MANIFOLD AND BOX ARE INSTALLED WITHIN A VEHICLE CROSSING - WATER PIPE TAILS MUST BE INSTALLED FOR PLUMBER TO ACCESS

STANDARD DETAILS	Drawn: A. KOCHAR	Designed: J. SAXTON	
WATER SERVICE CONNECTIONS TYPICAL CONNECTIONS WITH MANIFOLD	Approved: M. COLE	Revision Date: APRIL 2021	
	Scale: NOT TO SCALE	Drawing No.: KCDC-WS-011	Revision: R4

Original Sheet Size A3 [297x420]

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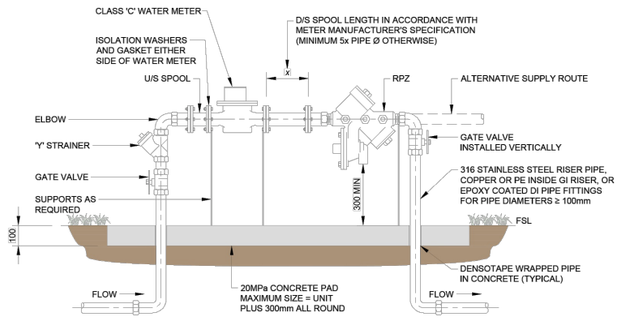
PROJECT:
NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:
PROPOSED ROADING
STANDARD DETAILS
SHEET 3 OF 5

ENVELOPE
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DESIGNED: PWJ
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: NOT TO SCALE
SCALE A3:
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5902
REVISION: R1



TYPICAL 50mm METER INSTALLATION WITH RPZ

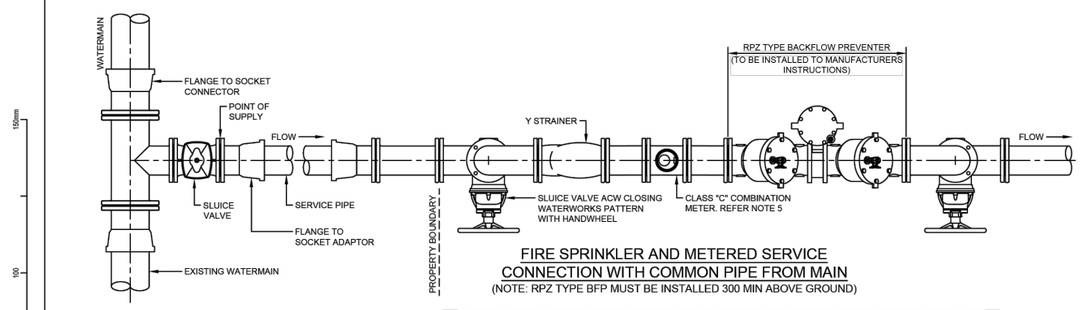
NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. PROTECTIVE CAGE TO BE APPROVED BY ENGINEER.
3. ABOVE GROUND COMPONENTS PARALLEL WITH BOUNDARY.
4. ELBOWS AND SPOOLS ABOVE GROUND SHALL BE DZR BRASS OR S/S.
5. FOR DIAMETER ≥ 50mm, REFER TO KCDC-WS-013.
6. APPROVED TESTABLE DOUBLE DETECTOR CHECK VALVE ASSEMBLY WITH BYPASS METER, AS PER N.Z. BUILDING CODE G12 TO PREVENT BACKFLOW HAZARD.
7. UPSTREAM AND DOWNSTREAM METER CLEARANCE AS PER MANUFACTURERS SPECIFICATION.

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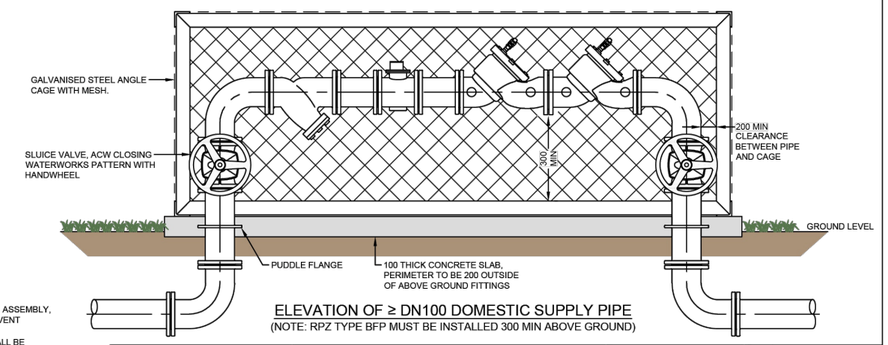
STANDARD DETAILS		
WATER SERVICE CONNECTION 50mm METER INSTALLATION WITH RPZ		
Drawn: J. GOODMAN	Designed: J. SAXTON	
Approved: M. COLE	Revision Date: OCTOBER 2020	
Scale: NOT TO SCALE	Drawing No.: KCDC-WS-012	Revision: R4

Original Sheet Size A3 [297x420]



FIRE SPRINKLER AND METERED SERVICE CONNECTION WITH COMMON PIPE FROM MAIN

(NOTE: RPZ TYPE BFP MUST BE INSTALLED 300 MIN ABOVE GROUND)



ELEVATION OF ≥ DN100 DOMESTIC SUPPLY PIPE

(NOTE: RPZ TYPE BFP MUST BE INSTALLED 300 MIN ABOVE GROUND)

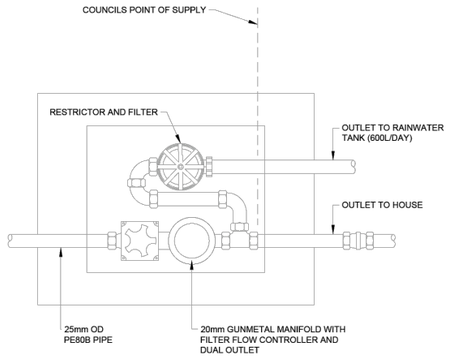
NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. APPROVED TESTABLE RPZ CHECK VALVE ASSEMBLY, AS PER N.Z. BUILDING CODE G12 TO PREVENT BACKFLOW HAZARD.
3. RPZ STYLE BACKFLOW PREVENTERS SHALL BE 300mm ABOVE THE GROUND.
4. UPSTREAM AND DOWNSTREAM METER STRAIGHT LENGTH AS PER MANUFACTURERS SPECIFICATION.
5. METERS ≤ 50Ø SHALL BE CLASS 'C' (A COMBINATION TYPE ACCEPTABLE).
6. ALL METER/RPZ PIPEWORK SHALL BE WITHIN A SUITABLY APPROVED PROTECTIVE CAGE/BOX.

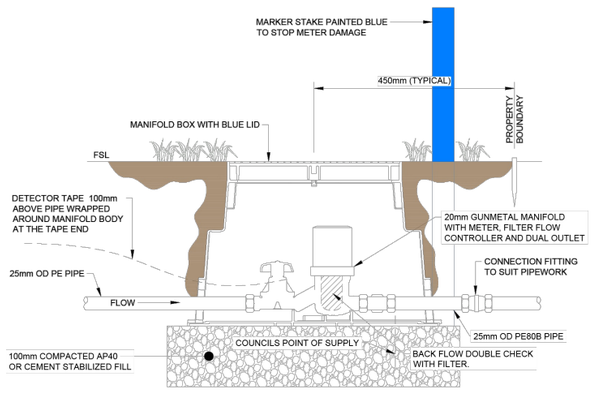
Kāpiti Coast DISTRICT COUNCIL
Me Huri Whakamuri, Ka Titiro Whakamua

STANDARD DETAILS		
TYPICAL LAYOUT OF ≥DN100 DOMESTIC SUPPLIES		
Drawn: A. KOCHAR	Designed: J. SAXTON	
Approved: M. COLE	Revision Date: MAY 2021	
Scale: NOT TO SCALE	Drawing No.: KCDC-WS-013	Revision: R4

Original Sheet Size A3 [297x420]



MANIFOLD - PLAN VIEW



MANIFOLD - ELEVATION

NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. SERVICE TO BE LAID TO THE CENTRE OF THE FRONT PROPERTY BOUNDARY AND AT RIGHT ANGLES TO STREET BOUNDARY.
3. NEW WATER SERVICE INSTALLATIONS OR ALTERED EXISTING WATER SERVICES SHALL BE FITTED WITH DUAL RESTRICTED MANIFOLDS FROM 2009.
4. 100mm COMPACTED AP40 OR CEMENT STABILIZED FILL UNDERNEATH MANIFOLD BOX

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Me Huri Whakamuri, Ka Titiro Whakamua

STANDARD DETAILS		
WATER SERVICE CONNECTION DUAL RESTRICTED SUPPLY MANIFOLD		
Drawn: J. GOODMAN	Designed: J. SAXTON	
Approved: M. COLE	Revision Date: OCTOBER 2020	
Scale: NOT TO SCALE	Drawing No.: KCDC-WS-014	Revision: R3

Original Sheet Size A3 [297x420]

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PROJECT:

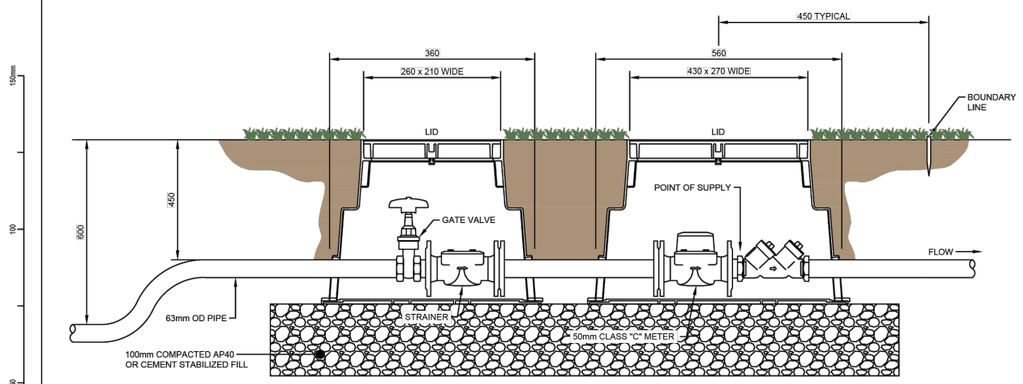
NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED ROADING
STANDARD DETAILS
SHEET 4 OF 5

ENVELOPE
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DESIGNED: PWJ		DRAWN: LTL	
CHECKED: ADJ		PLOT DATE: 22-10-2026	
SCALE A1: NOT TO SCALE		SCALE A3:	
STATUS: RESOURCE CONSENT			
PROJECT No: 1942-02	DRAWING No: 5903		REVISION: R1



50mm RESIDENTIAL CONNECTION REQUIREING STRAINER, METER & DOUBLE CHECK VALVE

NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. SERVICE TO BE LAID TO THE CENTRE OF THE FRONT PROPERTY BOUNDARY AND AT RIGHT ANGLES TO STREET BOUNDARY.
3. FOR 40-50mm RESIDENTIAL / LOW RISK SUPPLY IN R.O.W INSTALLATIONS ONLY.
4. DOUBLE CHECK VALVE. PLACE AS CLOSE AS POSSIBLE TO BOUNDARY OTHERWISE IN PRIVATE PROPERTY (TOP ENTRY ONLY) TO BE USED FOR LOW HAZARD RISK INSTALLATIONS ONLY.
   NOTE: ABOVE GROUND RPZ MAY BE DIRECTED BY COUNCIL. REFER SHEET WS-012

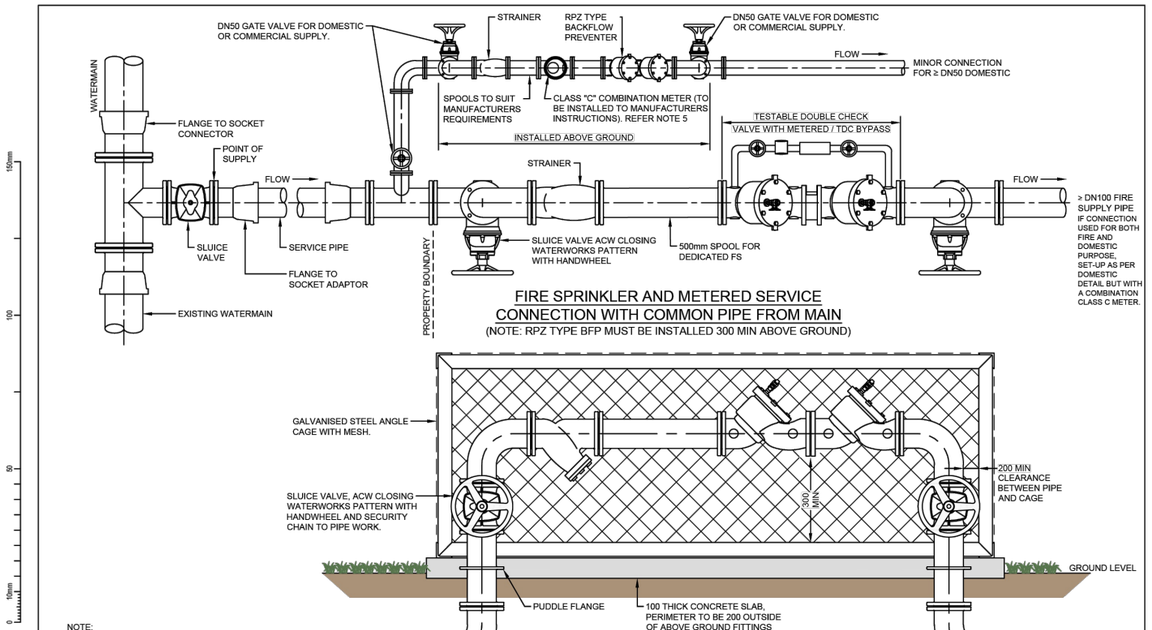
Kāpiti Coast DISTRICT COUNCIL
Me Hurī Whakamuri, Ka Titiro Whakamua

STANDARD DETAILS

WATER SERVICE CONNECTIONS
TYPICAL ROW & RIDERMAIN CONNECTIONS

Drawn	Designed
A. KOCHAR	J. SAXTON
Approved	Revision Date
M. COLE	MAY 2021
Scale	Drawing No.	Revision
NOT TO SCALE	KCDC-WS-015	R6

Original Sheet Size A3 [297x420]



FIRE SPRINKLER AND METERED SERVICE CONNECTION WITH COMMON PIPE FROM MAIN

(NOTE: RPZ TYPE BFP MUST BE INSTALLED 300 MIN ABOVE GROUND)

ELEVATION OF ≥ DN100 FIRE SUPPLY PIPE

(NOTE: RPZ TYPE BFP MUST BE INSTALLED 300 MIN ABOVE GROUND)

NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. APPROVED TESTABLE RPZ CHECK VALVE ASSEMBLY, AS PER N.Z. BUILDING CODE G12 TO PREVENT BACKFLOW HAZARD.
3. RPZ STYLE BACKFLOW PREVENTERS SHALL BE 300mm ABOVE THE GROUND.
4. UPSTREAM AND DOWNSTREAM METER STRAIGHT LENGTH AS PER MANUFACTURERS SPECIFICATION.
5. METERS ≤ 50Ø SHALL BE CLASS "C" (A COMBINATION TYPE ACCEPTABLE).
6. ALL METER/RPZ PIPEWORK SHALL BE WITHIN A SUITABLY APPROVED PROTECTIVE CAGE/BOX.

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Me Hurī Whakamuri, Ka Titiro Whakamua

STANDARD DETAILS

TYPICAL LAYOUT OF ≥DN100 FIRE INSTALLATION AND DOMESTIC SUPPLIES

Drawn	Designed
A. KOCHAR	J. SAXTON
Approved	Revision Date
M. COLE	MAY 2021
Scale	Drawing No.	Revision
NOT TO SCALE	KCDC-WS-016	R1

Original Sheet Size A3 [297x420]

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PROJECT:

NEW CENTRAL PARK LIMITED
77 KAPITI ROAD, PARAPARAUMU
KAPITI

TITLE:

PROPOSED ROADING
STANDARD DETAILS
SHEET 5 OF 5

ENVELOPE
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DESIGNED: PWJ
DRAWN: LTL
CHECKED: ADJ
PLOT DATE: 22-10-2026
SCALE A1: NOT TO SCALE
SCALE A3:
STATUS: RESOURCE CONSENT

PROJECT No: 1942-02
DRAWING No: 5904
REVISION: R1