KAPITI EXPRESSWAY

KAPITI ROAD

ARAWHATA ROAD

TRIESTE WAY

IHAKARA STREET

IVER TRASK PLACE

BRETT AMBLER WAY

Future Road

Road 01

Road 02

Road 03 (Ivor Trask Place)

Road 04

Road 05

Road 06

Road 07

Joal A

Joal B

Joal C

Joal D

Joal E

Joal F

Joal G

Joal H

Joal I

Joal J

Joal K

Joal L

Joal N

Joal O

Joal P

Joal Q

Joal R

Joal S

Joal T

Joal U

Joal V

## Legend

- 77 Kapiti Rd Project Extent
- Proposed Layout (TBC)
- Post-Manholes
- Post-Outlets
- Post-Pits

Post-Links

- < 300mm
- 300mm - 400mm
- 450mm - 600mm

Kapiti Rd Post Dev SED2-100yrCC-Depth Band 1 (Gray)

- <= 0.025m
- 0.025m - 0.05m
- 0.05m - 0.1m
- 0.1m - 0.2m
- 0.2m - 0.3m
- 0.3m - 0.5m
- 0.5m - 1.0m
- > 1.0m

PROJECT: KAPITI ROAD
TITLE: FLOOD MODEL RESULTS MAXIMUM DEPTH - POST DEVELOPMENT SEDIMENT [+500mm] - 100yrCC

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

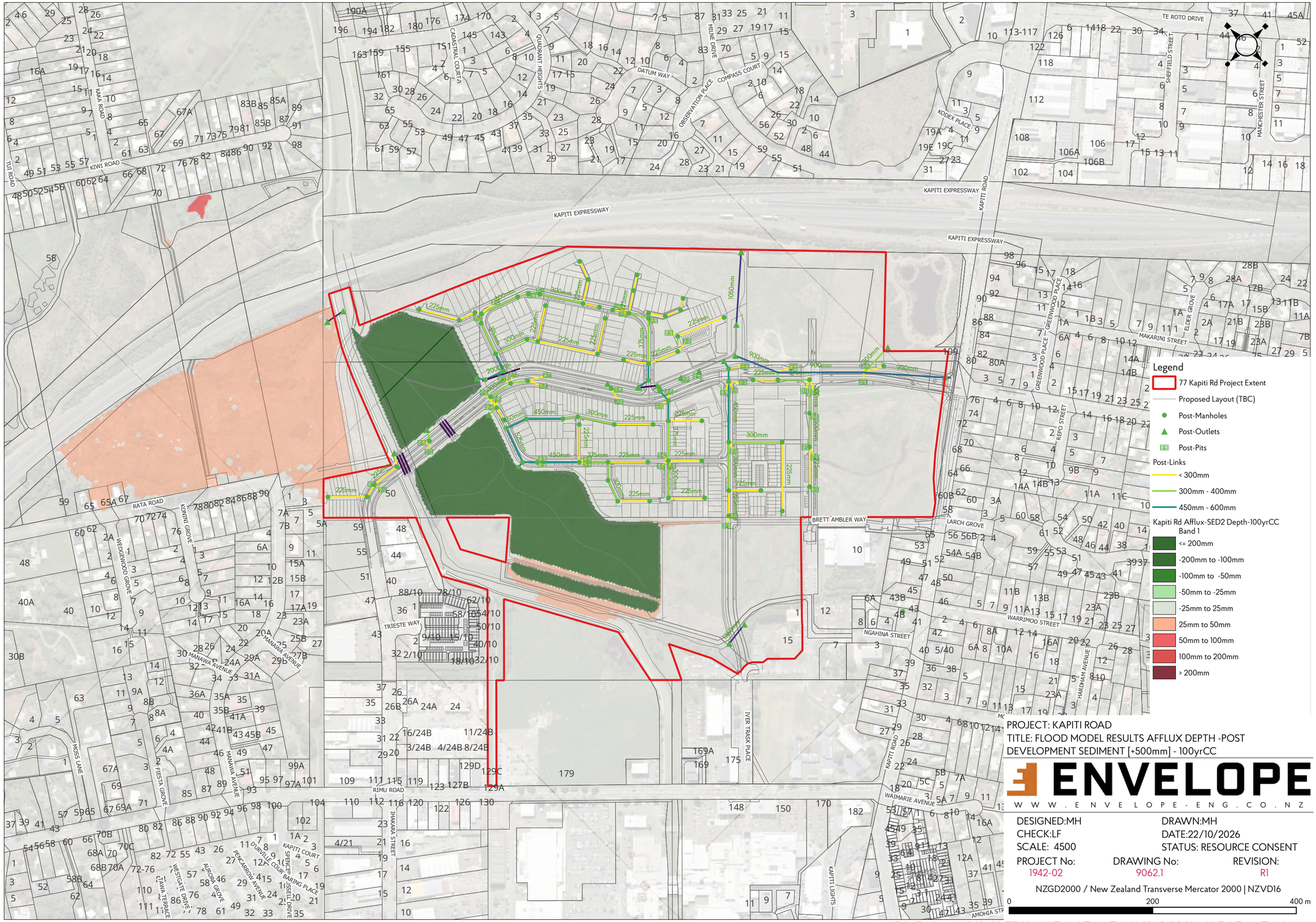
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|---|---|
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| CHECK:LF | DATE:22/10/2026 |
| SCALE: 2500 | STATUS: RESOURCE CONSENT |

| PROJECT No: | DRAWING No: | REVISION: |
|---|---|---|
| 1942-02 | 9060.1 | R1 |

NZGD2000 / New Zealand Transverse Mercator 2000 | NZVD16

0 100 200 m

D:_Projects\1942-02 77 Kapiti Road Fast Track\1942-02 Kapiti Rd Fast Track.qgz




PROJECT: KAPITI ROAD
TITLE: FLOOD MODEL RESULTS AFFLUX DEPTH -POST DEVELOPMENT SEDIMENT [+500mm] - 100yrCC

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

| | | |
|---|---|---|
| DESIGNED:MH | DRAWN:MH | |
| CHECK:LF | DATE:22/10/2026 | |
| SCALE: 4500 | STATUS: RESOURCE CONSENT | |
| PROJECT No: 1942-02 | DRAWING No: 9062.1 | REVISION: R1 |

NZGD2000 / New Zealand Transverse Mercator 2000 | NZVD16

0 200 400 m

D:_Projects\1942-02 77 Kapiti Road Fast Track\1942-02 Kapiti Rd Fast Track.qgz

KAPITI EXPRESSWAY

KAPITI ROAD

ARAWHATA ROAD

TRIESTE WAY

IHAKARA STREET

BRETT AMBLER WAY

IVER TRASK PLACE

Future Road

Road 01

Road 02

Road 03 (Ivor Trask Place)

Road 04

Road 05

Road 06

Road 07

Joal A

Joal B

Joal C

Joal D

Joal E

Joal F

Joal G

Joal H

Joal J

Joal K

Joal L

Joal N

Joal O

Joal P

Joal Q

Joal R

Joal S

Joal T

Joal U

Joal V

## Legend

- 77 Kapiti Rd Project Extent
- Proposed Layout (TBC)
- Post-Manholes
- Post-Outlets
- Post-Pits

Post-Links

- < 300mm
- 300mm - 400mm
- 450mm - 600mm

Kapiti Rd Post Dev ROUGH-100yrCC-Depth Band 1 (Gray)

- <= 0.025m
- 0.025m - 0.05m
- 0.05m - 0.1m
- 0.1m - 0.2m
- 0.2m - 0.3m
- 0.3m - 0.5m
- 0.5m - 1.0m
- > 1.0m

PROJECT: KAPITI ROAD
TITLE: FLOOD MODEL RESULTS MAXIMUM DEPTH - POST DEVELOPMENT ROUGHNESS [+25%] - 100yrCC

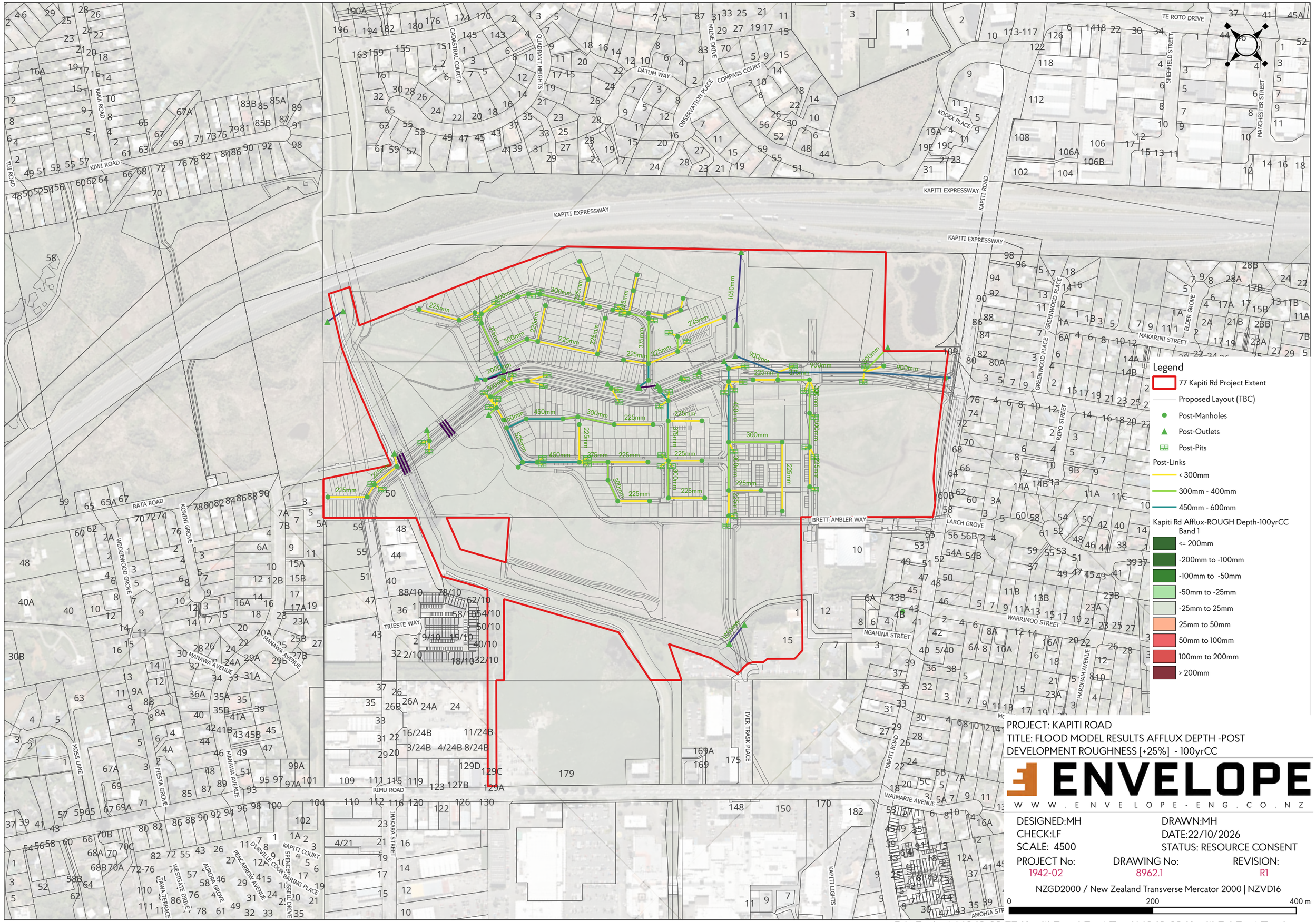
ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

DESIGNED:MH
DRAWN:MH
CHECK:LF
DATE:22/10/2026
SCALE: 2500
STATUS: RESOURCE CONSENT
PROJECT No: 1942-02
DRAWING No: 8960.1
REVISION: R1

NZGD2000 / New Zealand Transverse Mercator 2000 | NZVD16

0 100 200 m

D:_Projects\1942-02 77 Kapiti Road Fast Track\1942-02 Kapiti Rd Fast Track.qgz




Legend

- 77 Kapiti Rd Project Extent
- Proposed Layout (TBC)
- Post-Manholes
- Post-Outlets
- Post-Pits

Post-Links

- < 300mm
- 300mm - 400mm
- 450mm - 600mm

Kapiti Rd Afflux-ROUGH Depth-100yrCC Band 1

- <= 200mm
- -200mm to -100mm
- -100mm to -50mm
- -50mm to -25mm
- -25mm to 25mm
- 25mm to 50mm
- 50mm to 100mm
- 100mm to 200mm
- > 200mm

PROJECT: KAPITI ROAD
TITLE: FLOOD MODEL RESULTS AFFLUX DEPTH -POST DEVELOPMENT ROUGHNESS [+25%] - 100yrCC

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

| | |
|---|---|
| DESIGNED:MH | DRAWN:MH |
| CHECK:LF | DATE:22/10/2026 |
| SCALE: 4500 | STATUS: RESOURCE CONSENT |
| PROJECT No: 1942-02 | DRAWING No: 8962.1 |
| | REVISION: R1 |

NZGD2000 / New Zealand Transverse Mercator 2000 | NZVD16

0 200 400 m

D:_Projects\1942-02 77 Kapiti Road Fast Track\1942-02 Kapiti Rd Fast Track.qgz

KAPITI EXPRESSWAY

KAPITI ROAD

ARAWHATA ROAD

TRIESTE WAY

IHAKARA STREET

BRETT AMBLER WAY

IVER TRASK PLACE

Future Road

Road 01

Road 02

Road 03 (Ivor Trask Place)

Road 04

Road 05

Road 06

Road 07

Joal A

Joal B

Joal C

Joal D

Joal E

Joal F

Joal G

Joal H

Joal I

Joal J

Joal K

Joal L

Joal N

Joal O

Joal P

Joal Q

Joal R

Joal S

Joal T

Joal U

Joal V

## Legend

- 77 Kapiti Rd Project Extent
- Proposed Layout (TBC)
- Post-Manholes
- Post-Outlets
- Post-Pits

Post-Links

- < 300mm
- 300mm - 400mm
- 450mm - 600mm

Kapiti Rd Post Dev ROUGH2-100yrCC-Depth Band 1 (Gray)

- <= 0.025m
- 0.025m - 0.05m
- 0.05m - 0.1m
- 0.1m - 0.2m
- 0.2m - 0.3m
- 0.3m - 0.5m
- 0.5m - 1.0m
- > 1.0m

PROJECT: KAPITI ROAD
TITLE: FLOOD MODEL RESULTS MAXIMUM DEPTH - POST DEVELOPMENT ROUGHNESS [+100%] - 100yrCC

ENVELOPE
WWW.ENVELOPE-ENG.CO.NZ

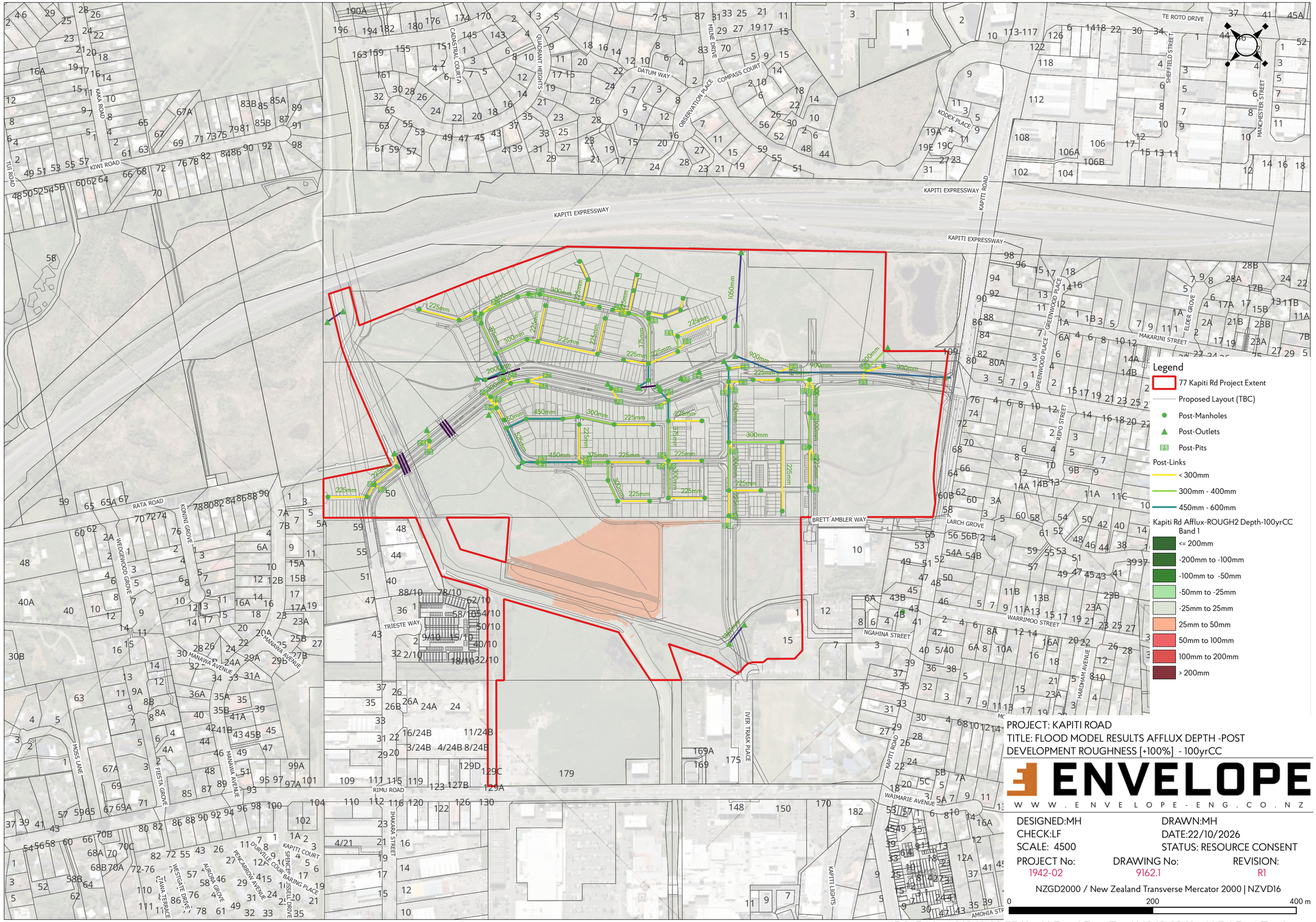
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|---|---|
| DESIGNED:MH | DRAWN:MH |
| CHECK:LF | DATE:22/10/2026 |
| SCALE: 2500 | STATUS: RESOURCE CONSENT |

| PROJECT No: | DRAWING No: | REVISION: |
|---|---|---|
| 1942-02 | 9160.1 | R1 |

NZGD2000 / New Zealand Transverse Mercator 2000 | NZVD16

0 100 200 m

D:_Projects\1942-02 77 Kapiti Road Fast Track\1942-02 Kapiti Rd Fast Track.qgz




## Legend

- 77 Kapiti Rd Project Extent
- Proposed Layout (TBC)
- Post-Manholes
- Post-Outlets
- Post-Pits

Post-Links

- < 300mm
- 300mm - 400mm
- 450mm - 600mm

Kapiti Rd Afflux-ROUGH2 Depth-100yrCC Band 1

- <= 200mm
- -200mm to -100mm
- -100mm to -50mm
- -50mm to -25mm
- -25mm to 25mm
- 25mm to 50mm
- 50mm to 100mm
- 100mm to 200mm
- > 200mm

PROJECT: KAPITI ROAD

TITLE: FLOOD MODEL RESULTS AFFLUX DEPTH -POST DEVELOPMENT ROUGHNESS [+100%] - 100yrCC

ENVELOPE

WWW.ENVELOPE-ENG.CO.NZ

| | | |
|---|---|---|
| DESIGNED:MH | DRAWN:MH | |
| CHECK:LF | DATE:22/10/2026 | |
| SCALE: 4500 | STATUS: RESOURCE CONSENT | |
| PROJECT No: 1942-02 | DRAWING No: 9162.1 | REVISION: R1 |

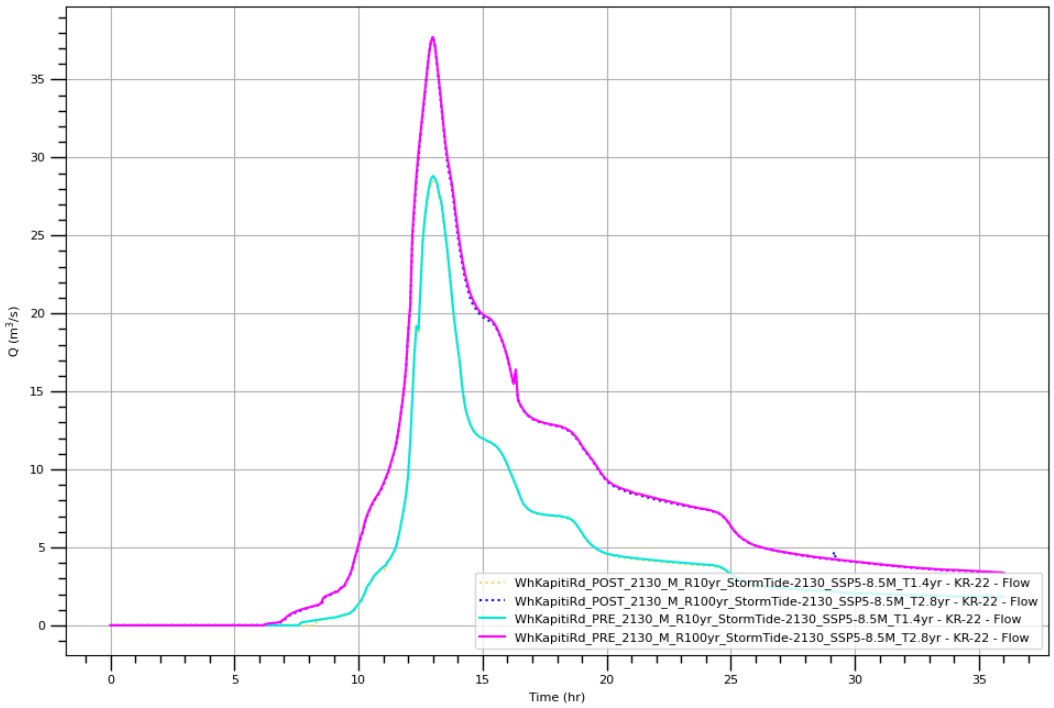
NZGD2000 / New Zealand Transverse Mercator 2000 | NZVD16

0 200 400 m

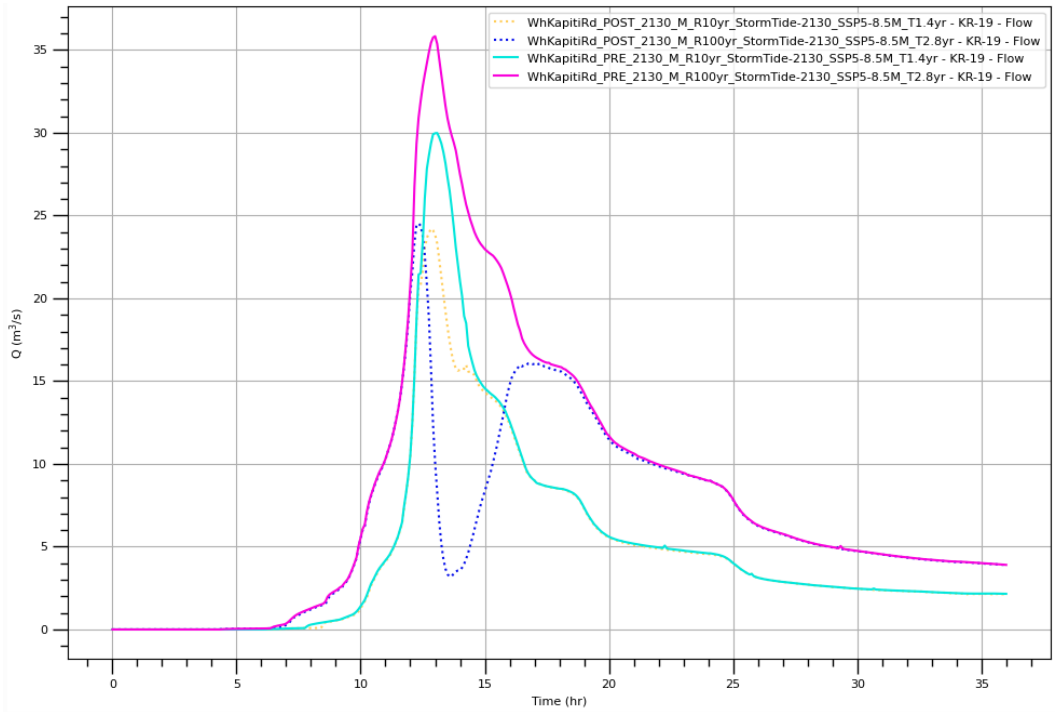
D:_Projects\1942-02 77 Kapiti Road Fast Track\1942-02 Kapiti Rd Fast Track.qgz

# APPENDIX 4 CROSS SECTIONS FLOWS

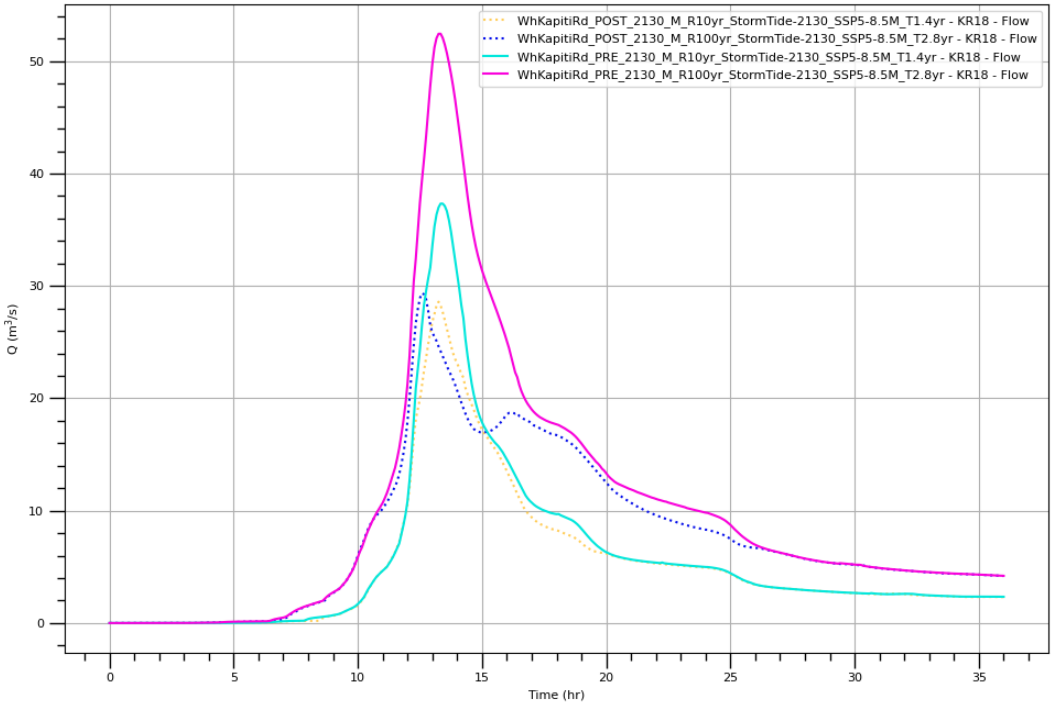
## CS-01 Maximum Flow



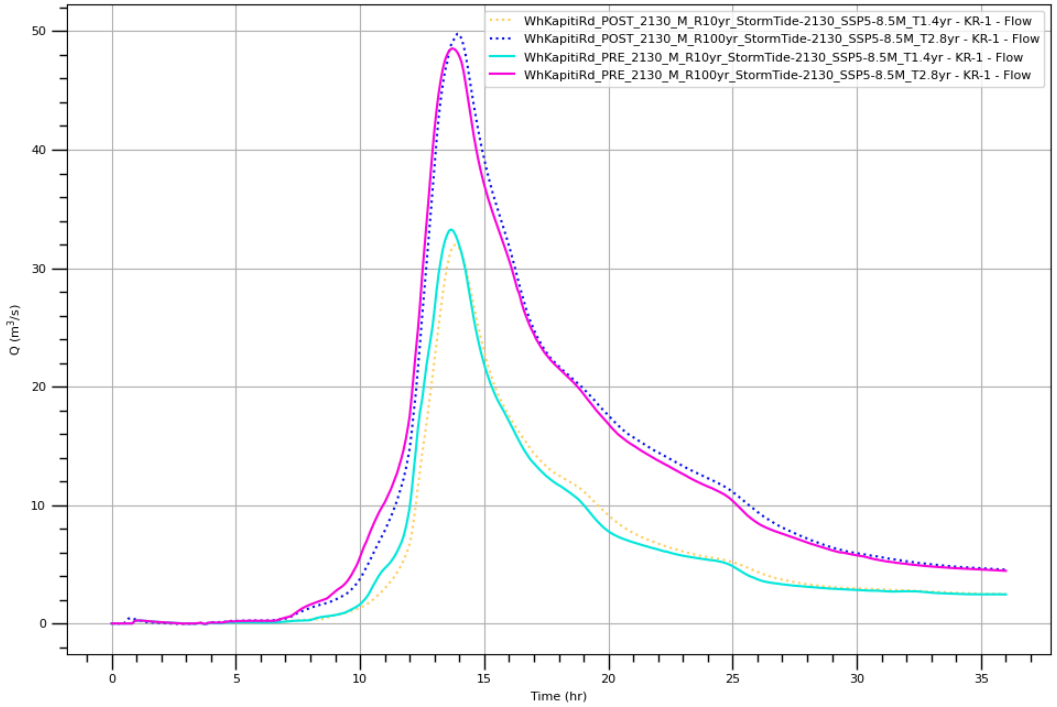

## CS-02 Maximum Flow



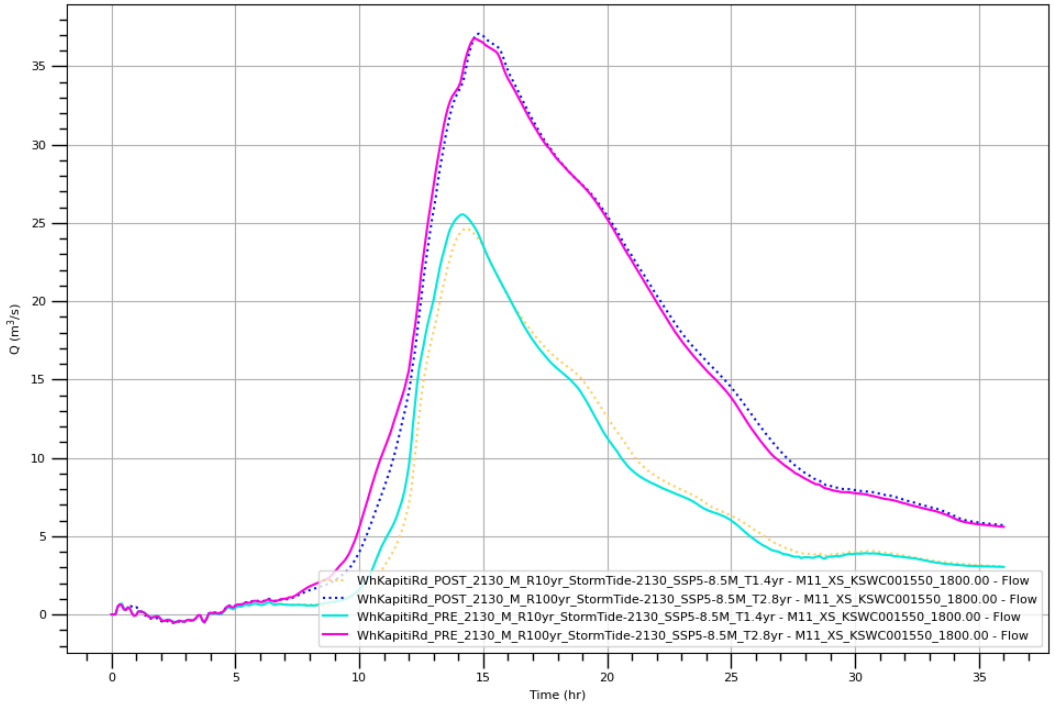
## CS-03 Maximum Flow



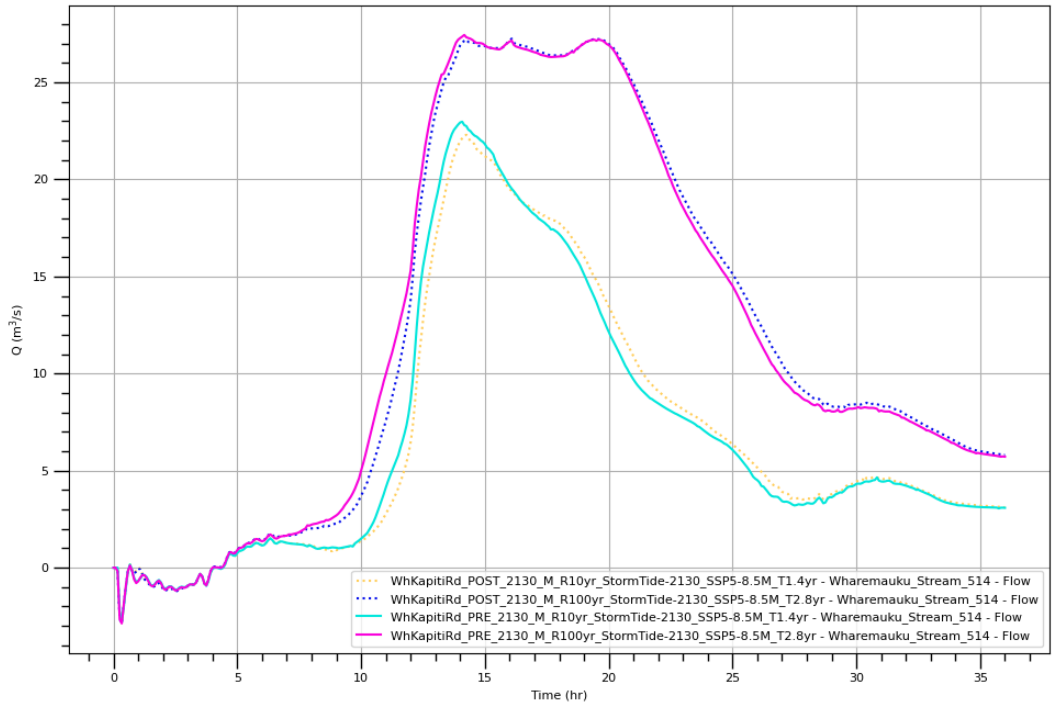

## CS-04 Maximum Flow



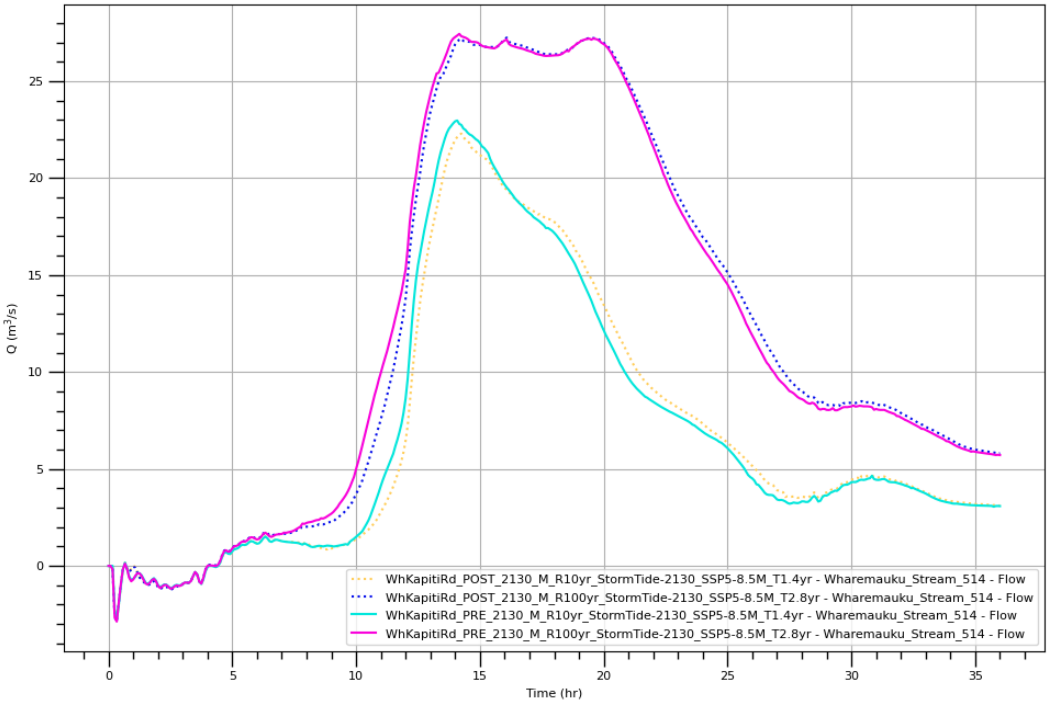
## CS-05 Maximum Flow



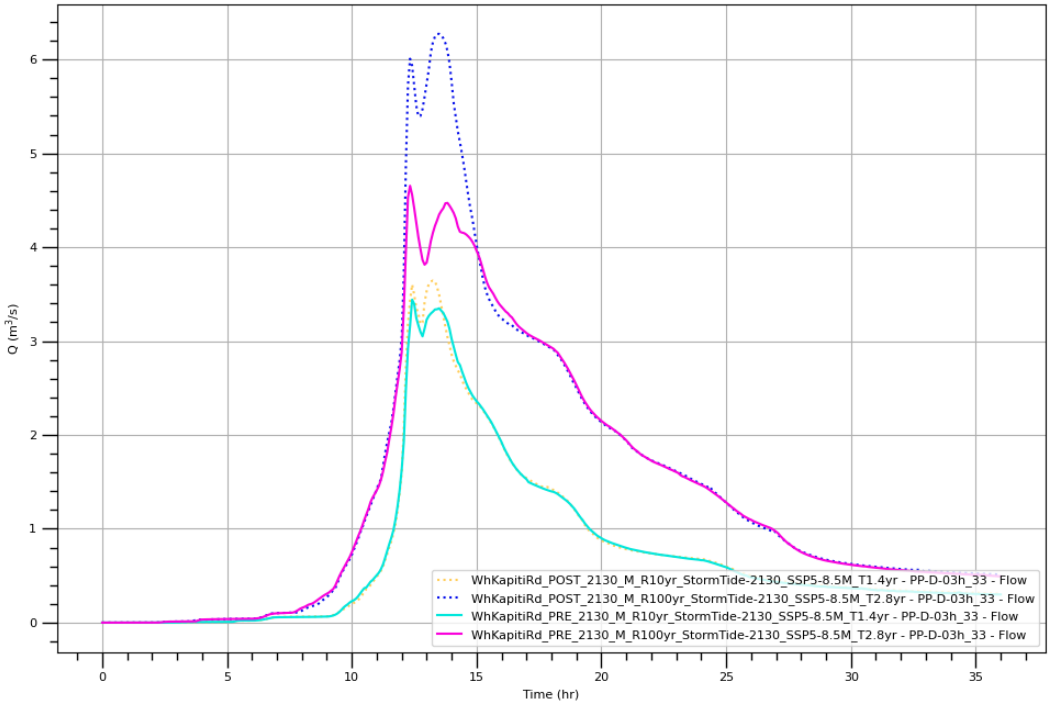

## CS-06 Maximum Flow



## CS-07 Maximum Flow



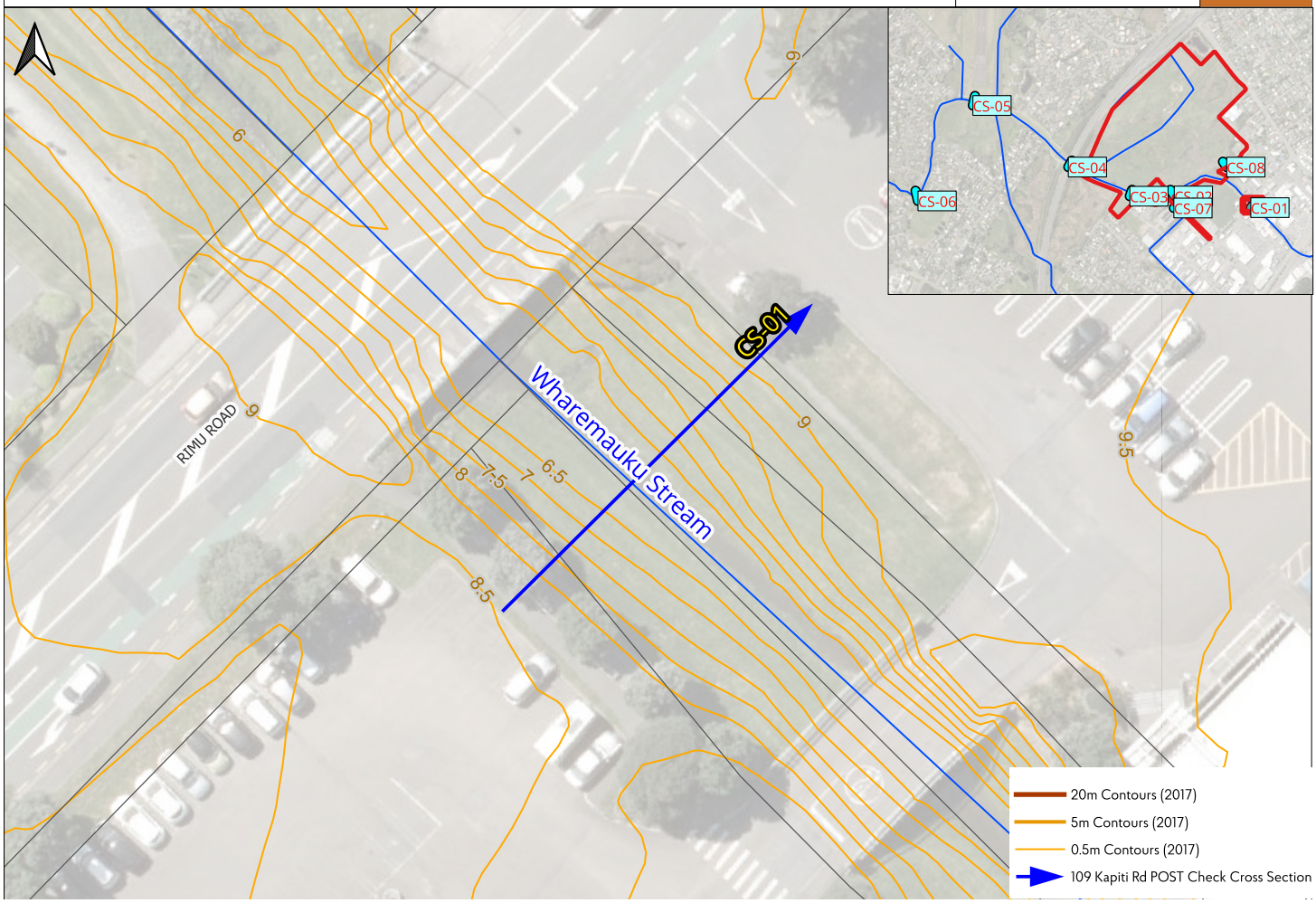

## CS-08 Maximum Flow

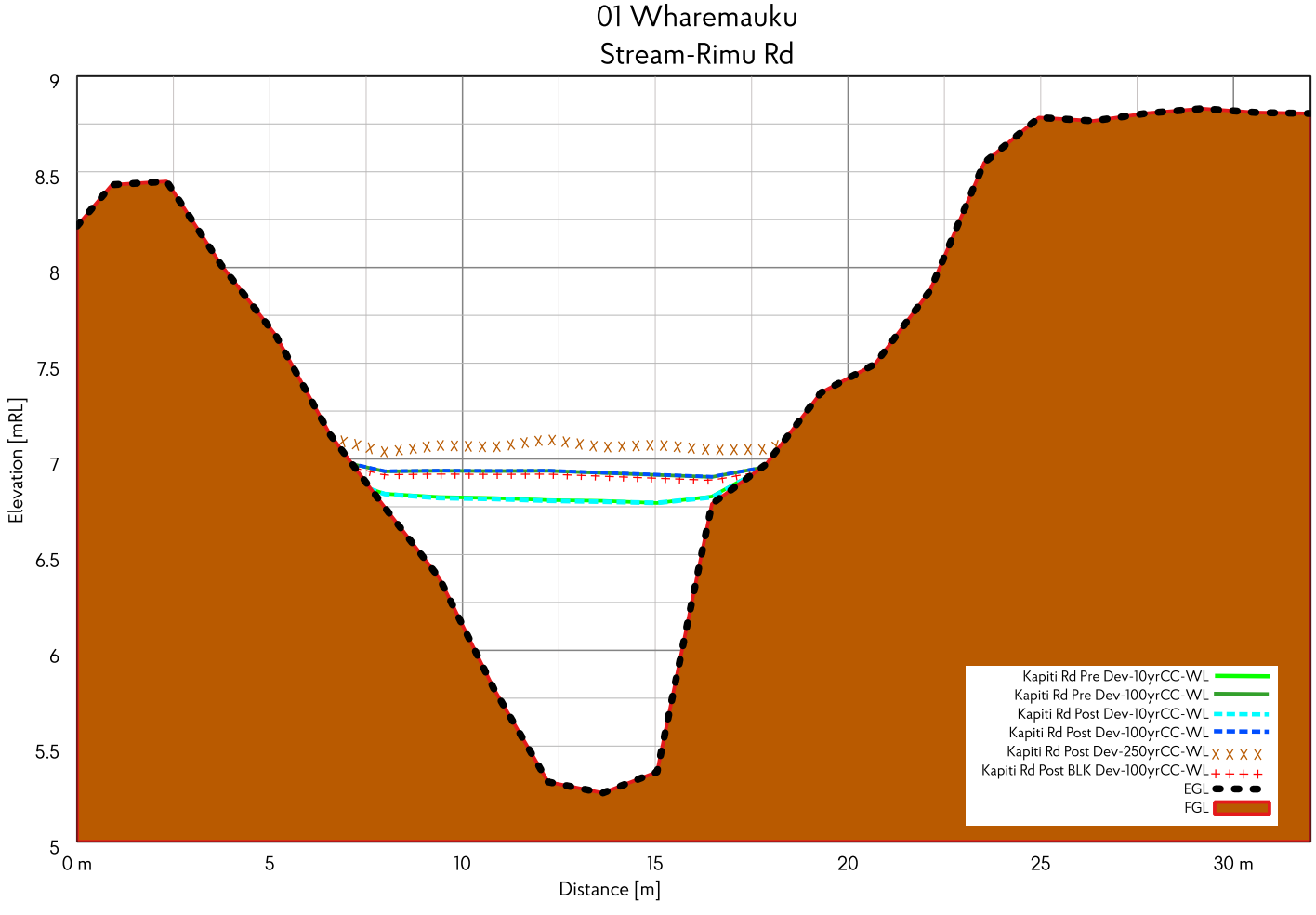


# APPENDIX 5 CROSS SECTIONS LEVELS

PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS CROSS SECTIONS

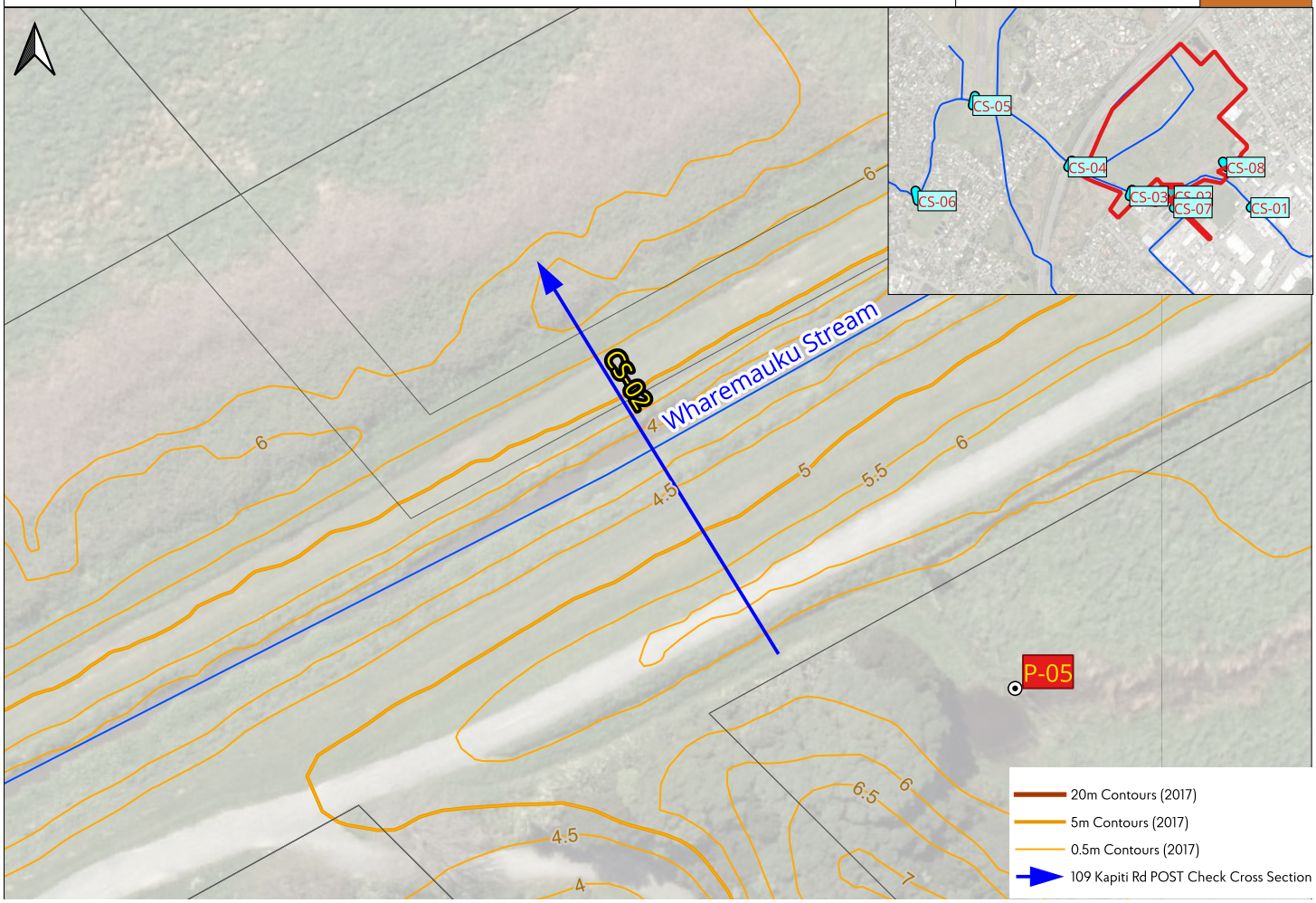
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CHECK:LF
SCALE: 500
DATE:22/10/2026

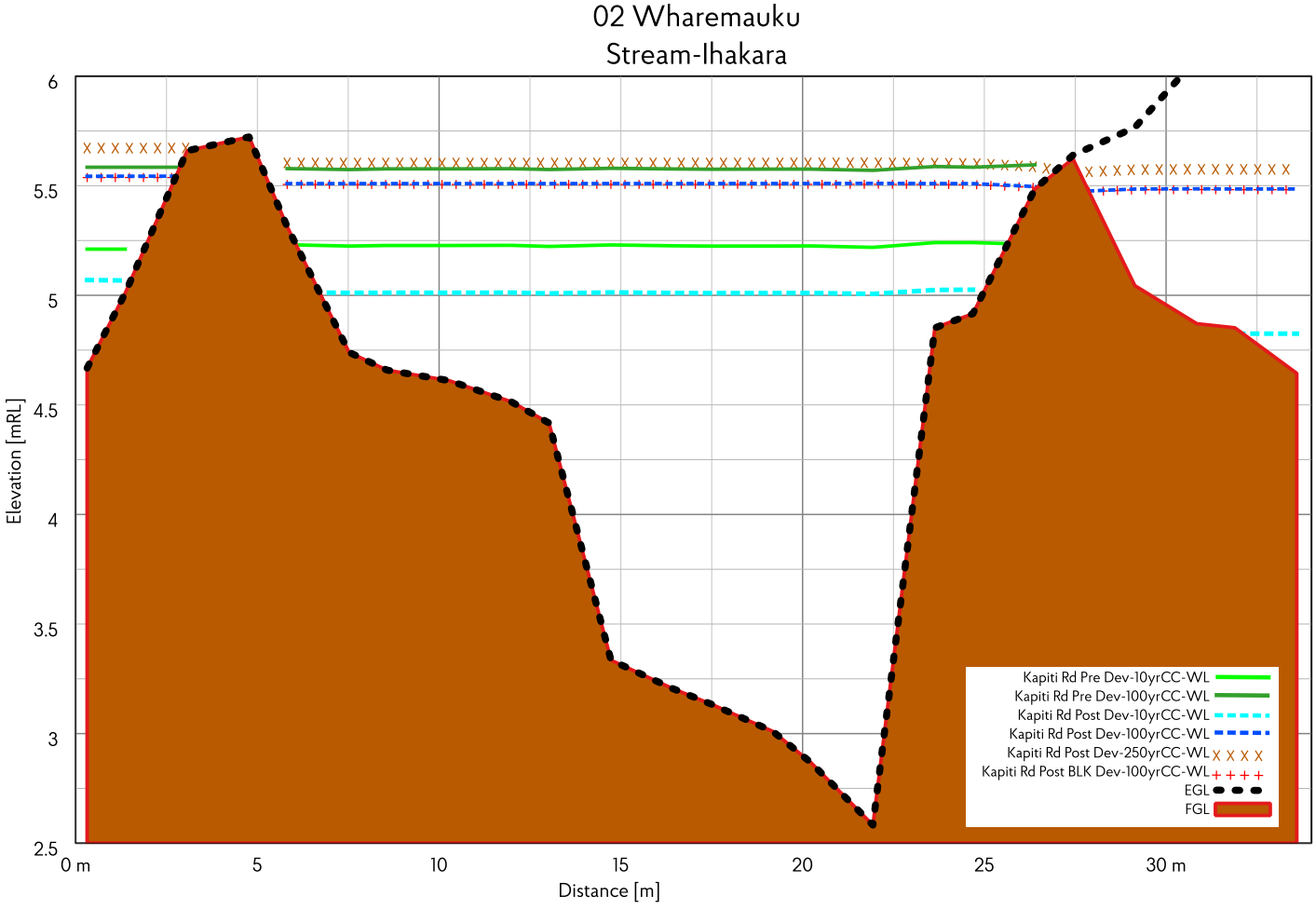


PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS CROSS SECTIONS

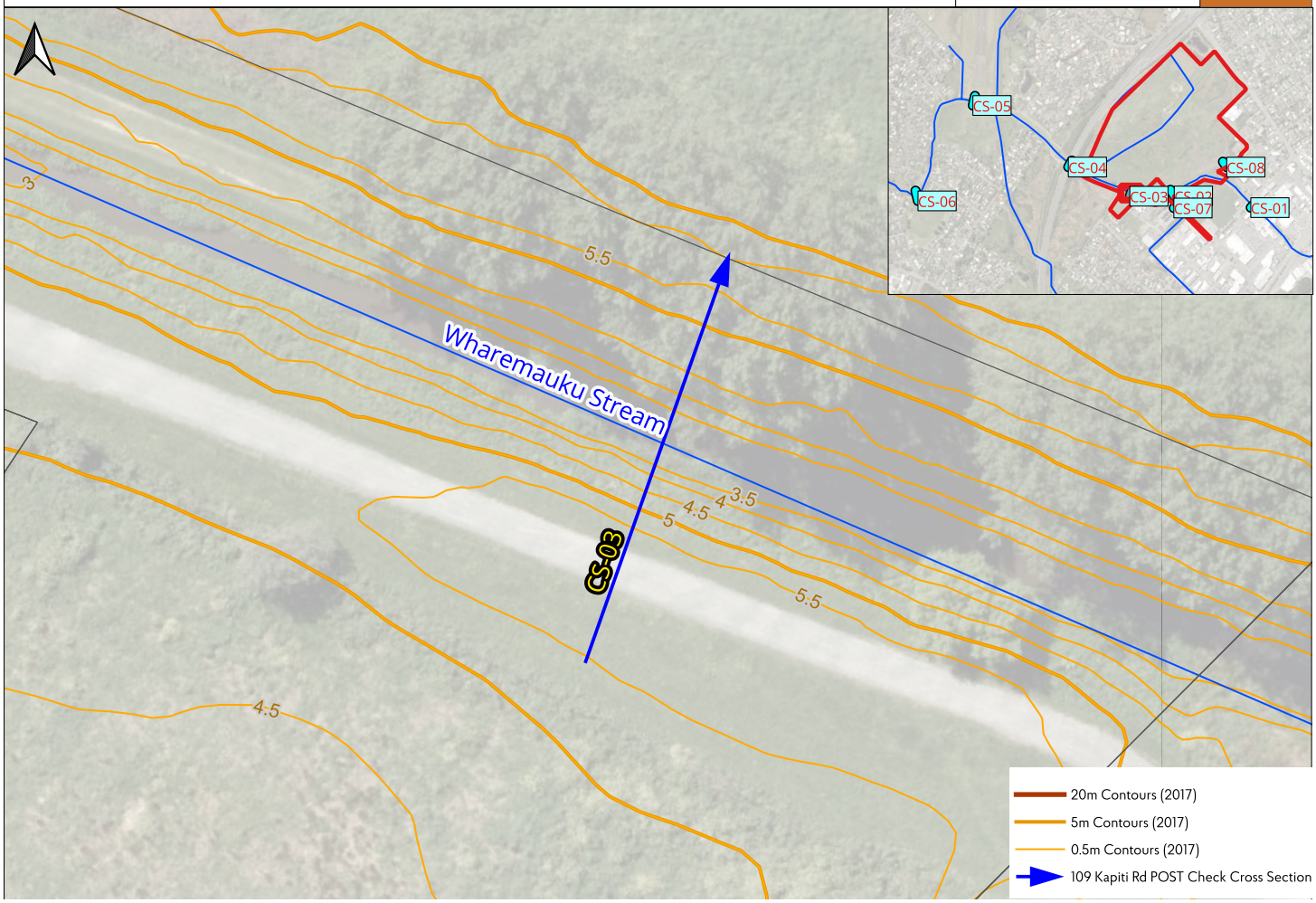
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CHECK:LF
SCALE: 500
DATE:22/10/2026

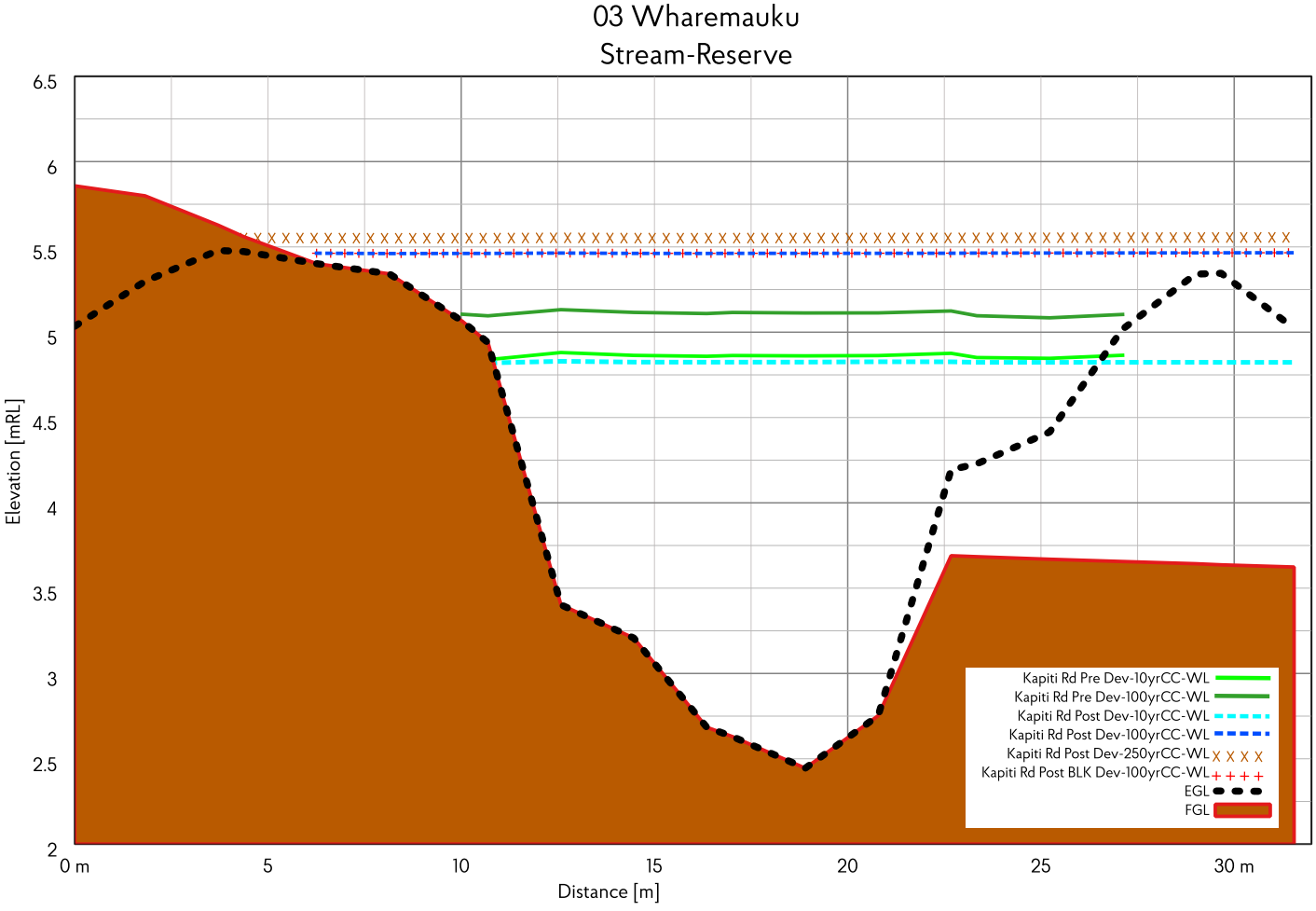


PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS CROSS SECTIONS

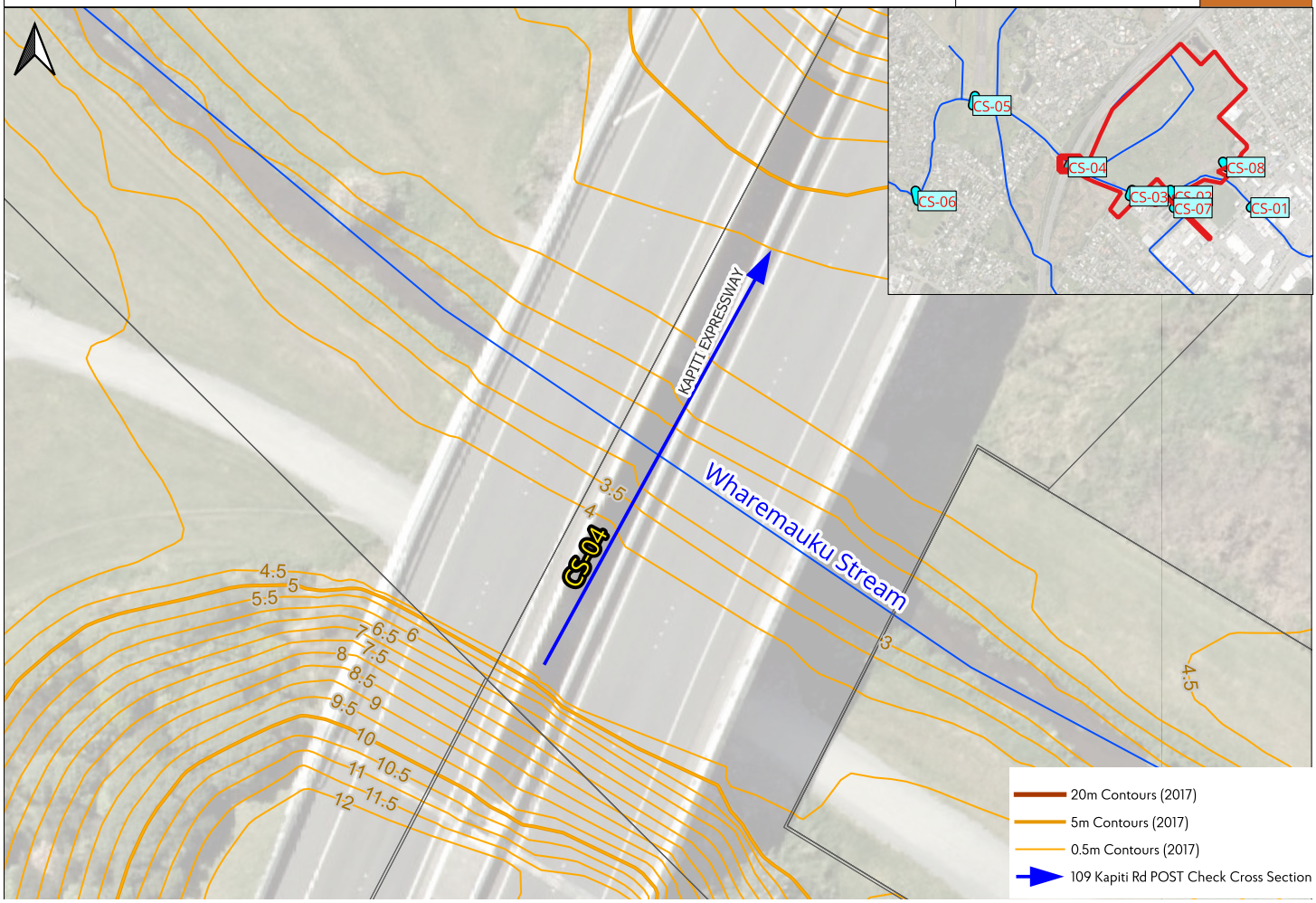
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CHECK:LF
SCALE: 500
DATE:22/10/2026

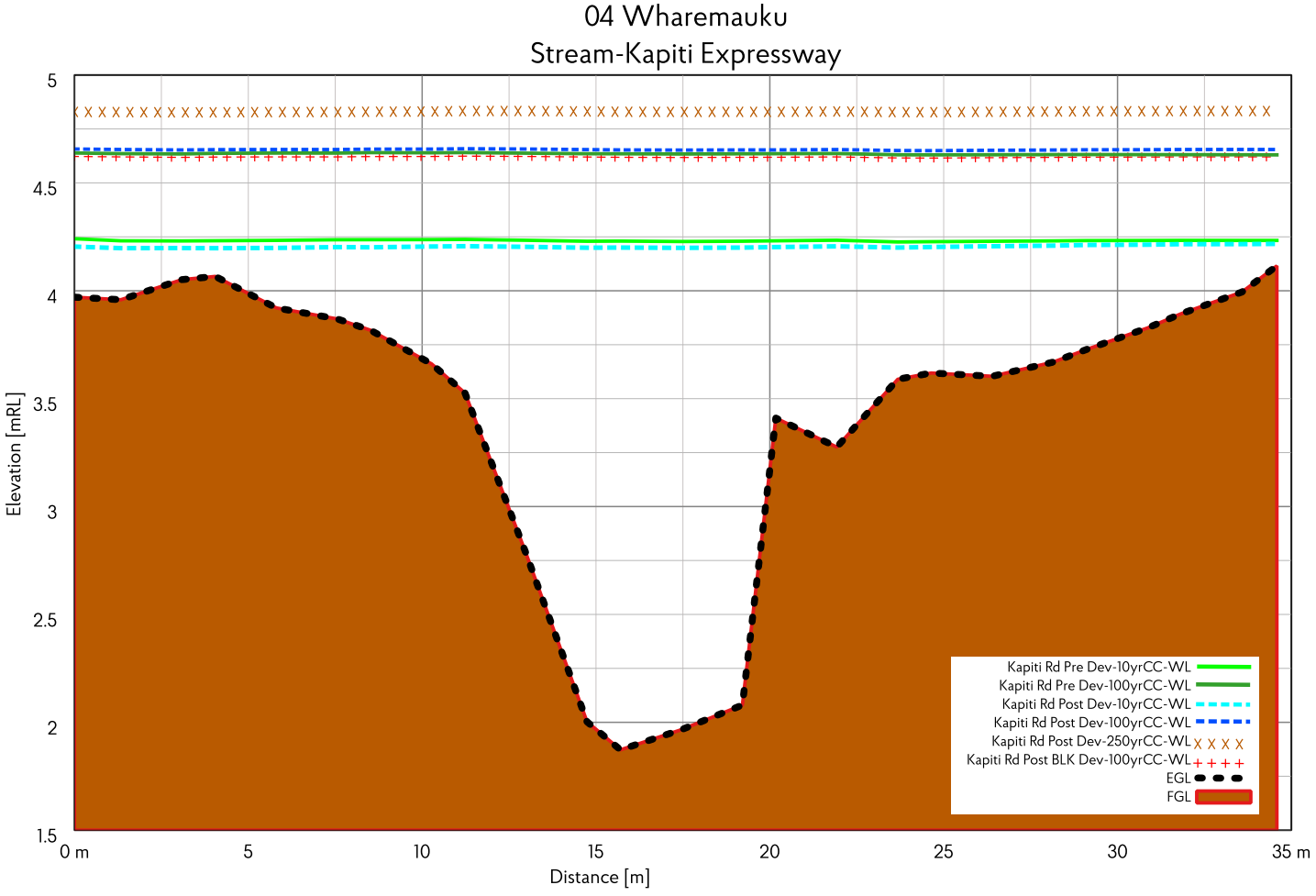


PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS CROSS SECTIONS

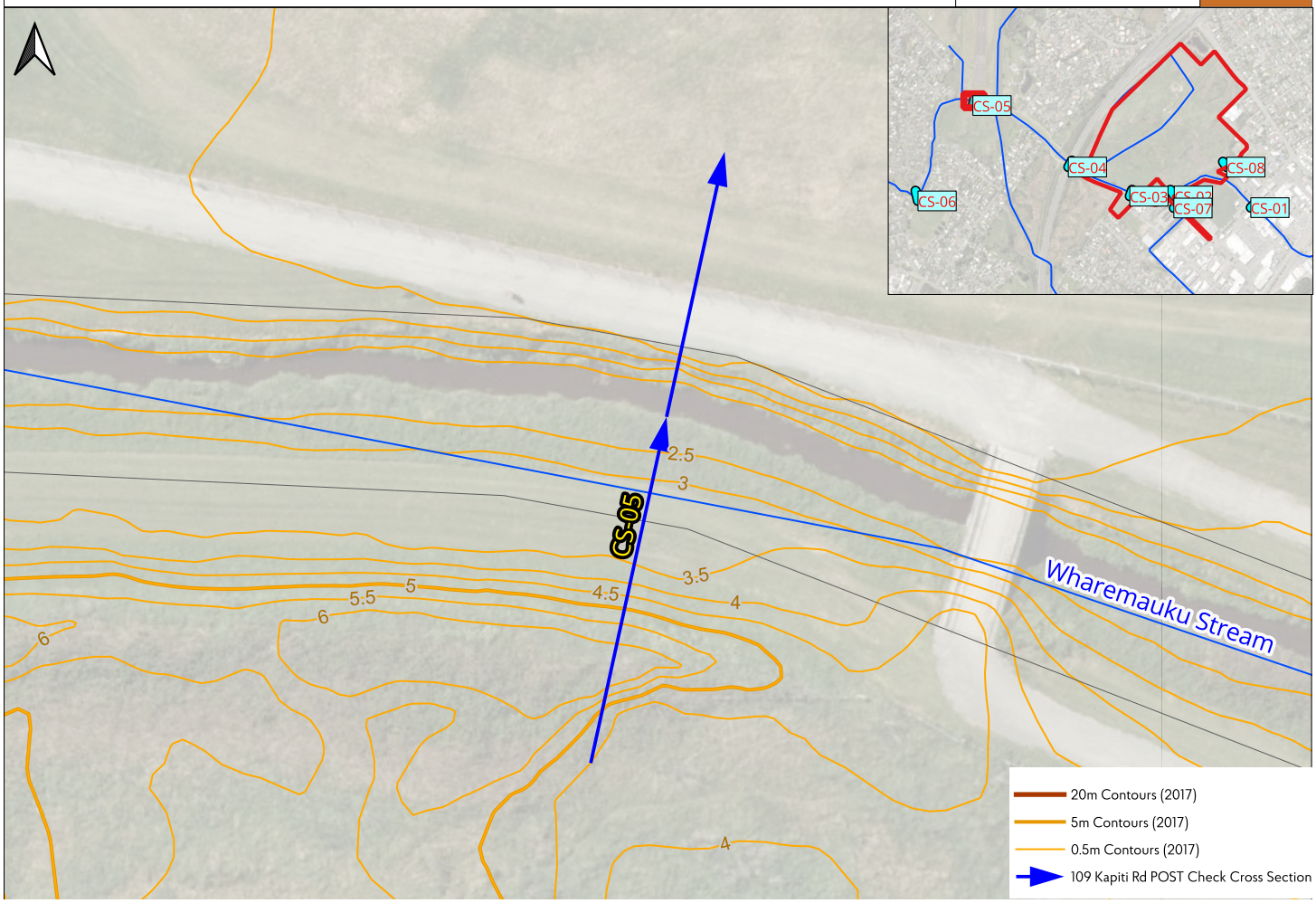
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SCALE: 500
DATE:22/10/2026

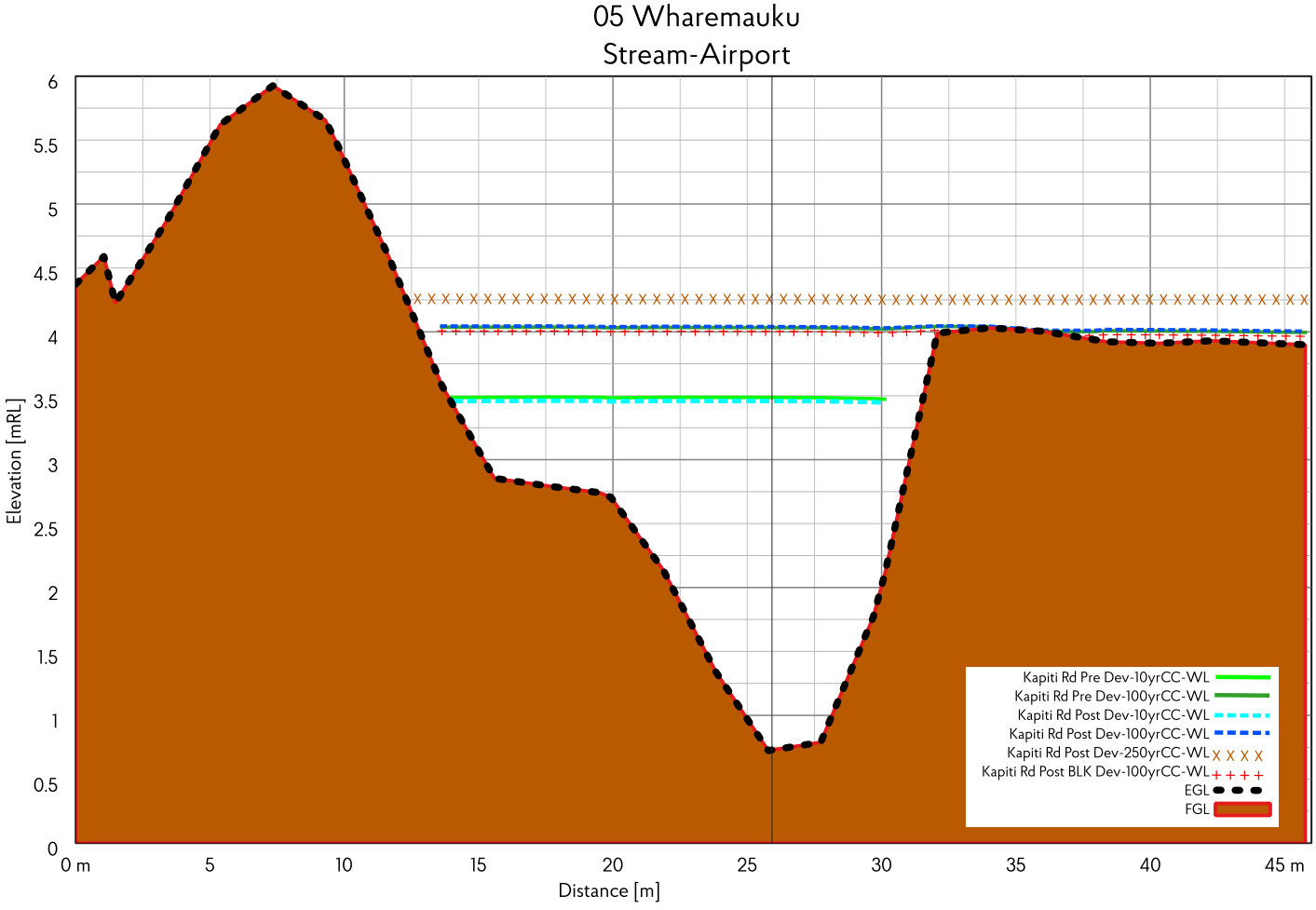


PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS CROSS SECTIONS

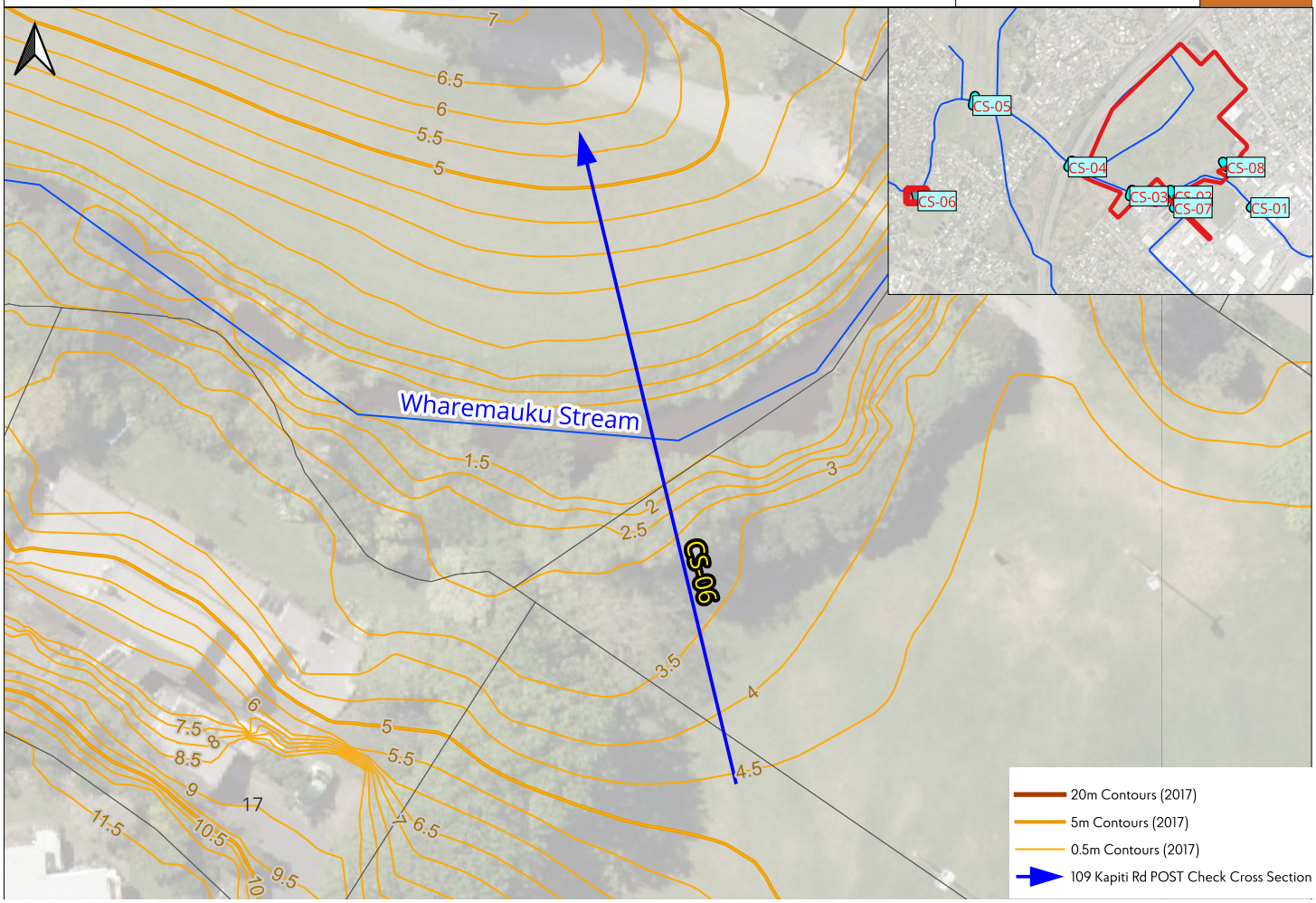
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DATE:22/10/2026

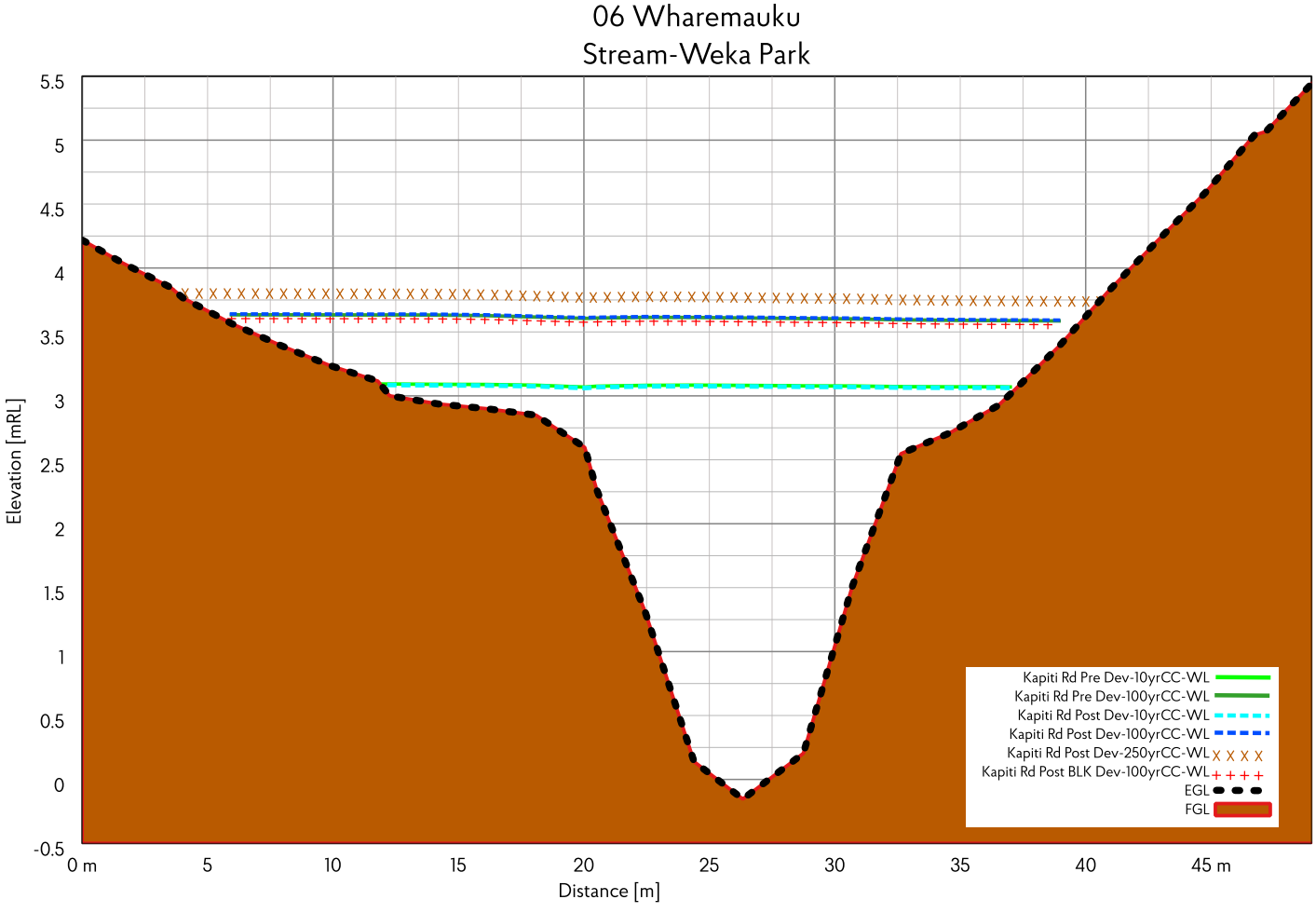


PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS CROSS SECTIONS

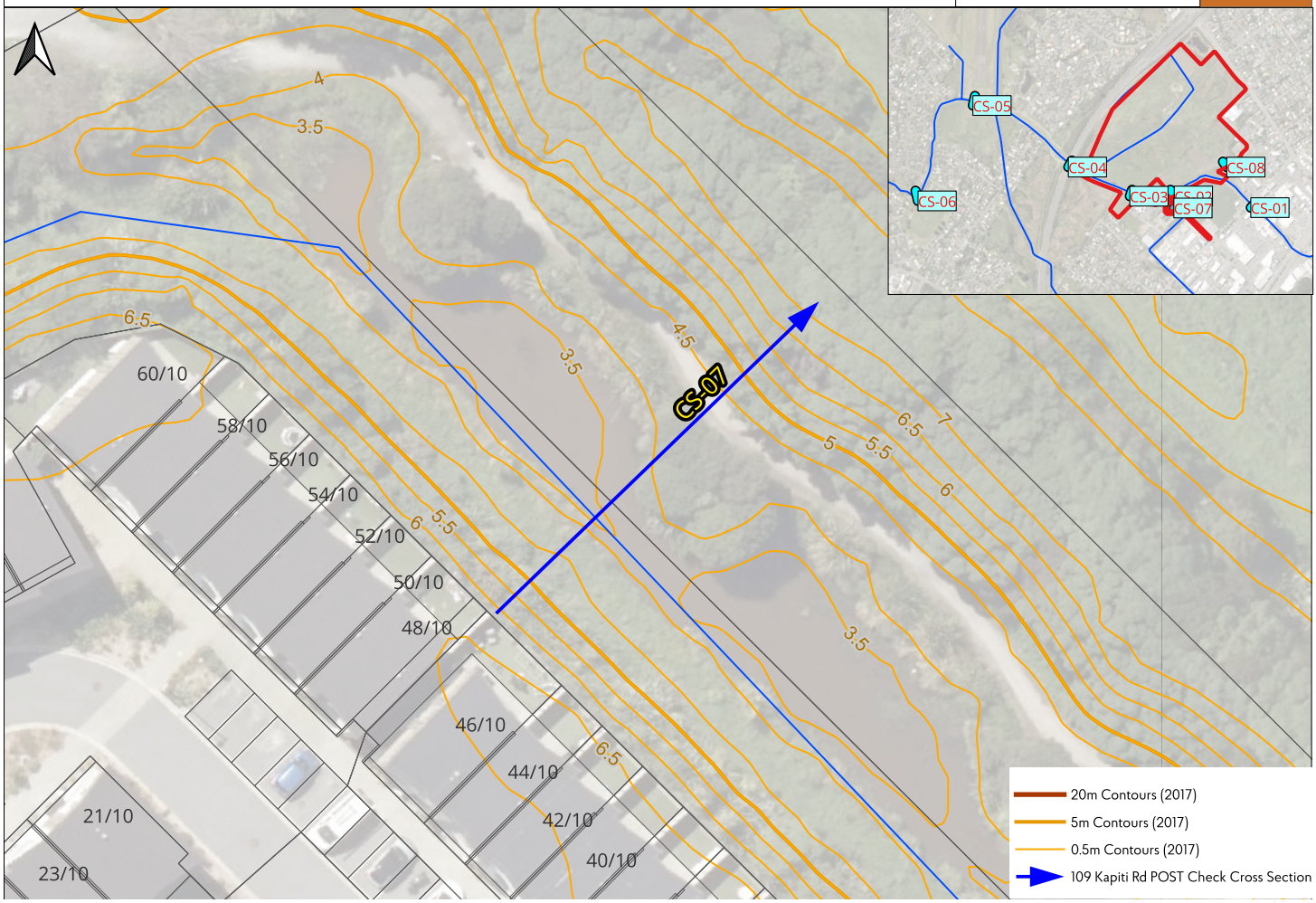
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SCALE: 500
DATE:22/10/2026



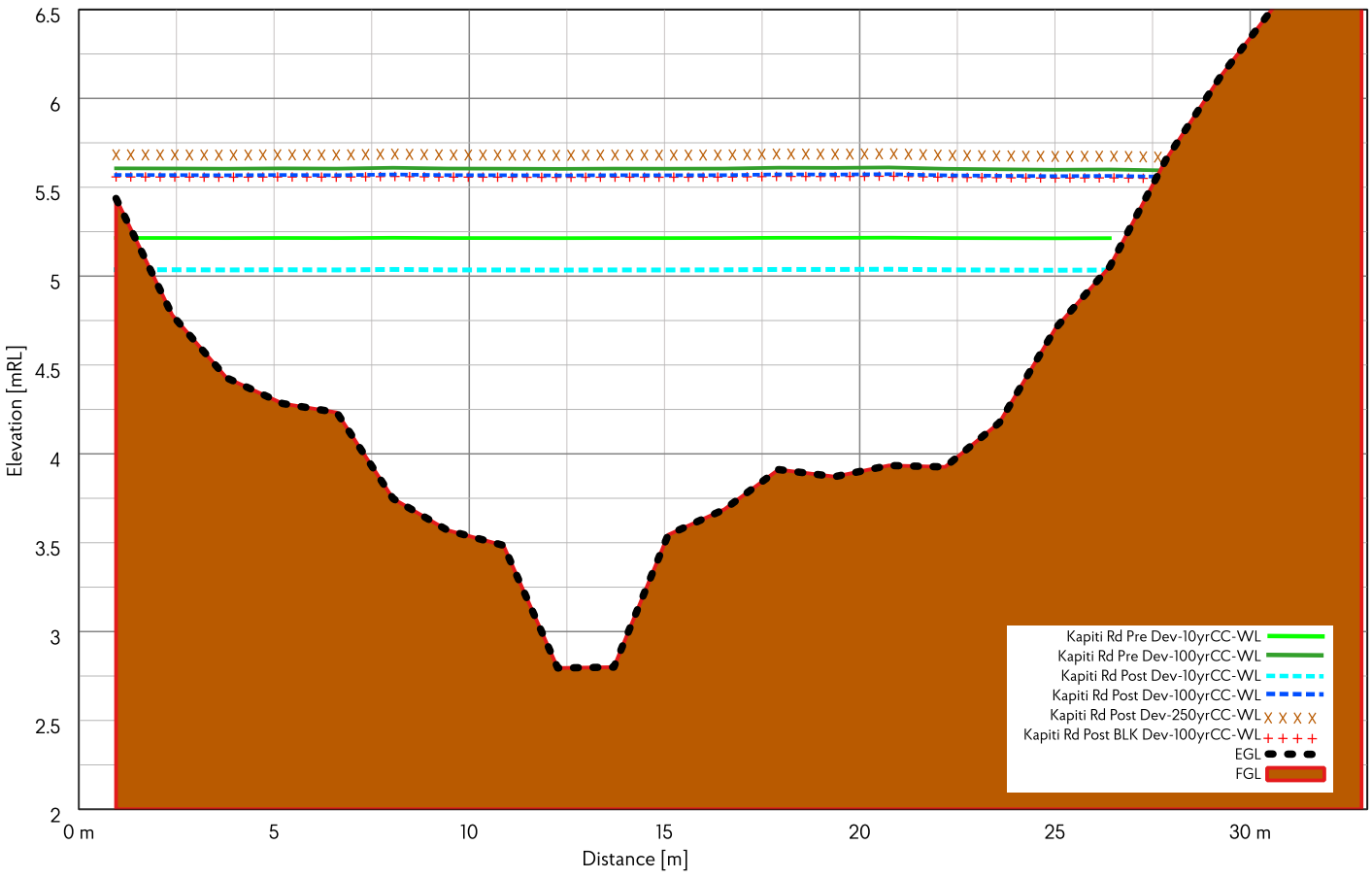



PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS CROSS SECTIONS

DESIGNED:MH
CHECK:LF
SCALE: 500
DATE:22/10/2026

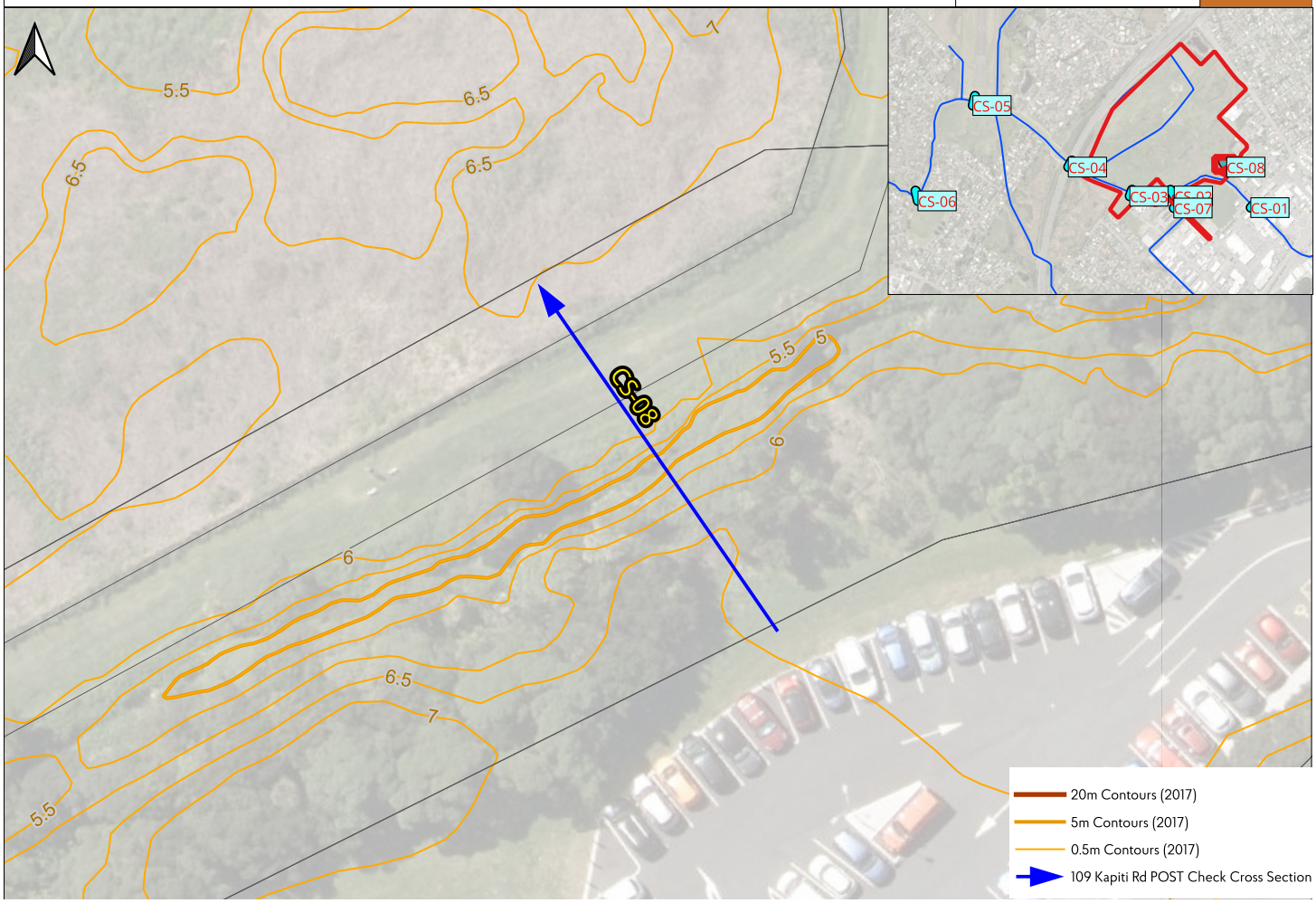



## 07 Drain East

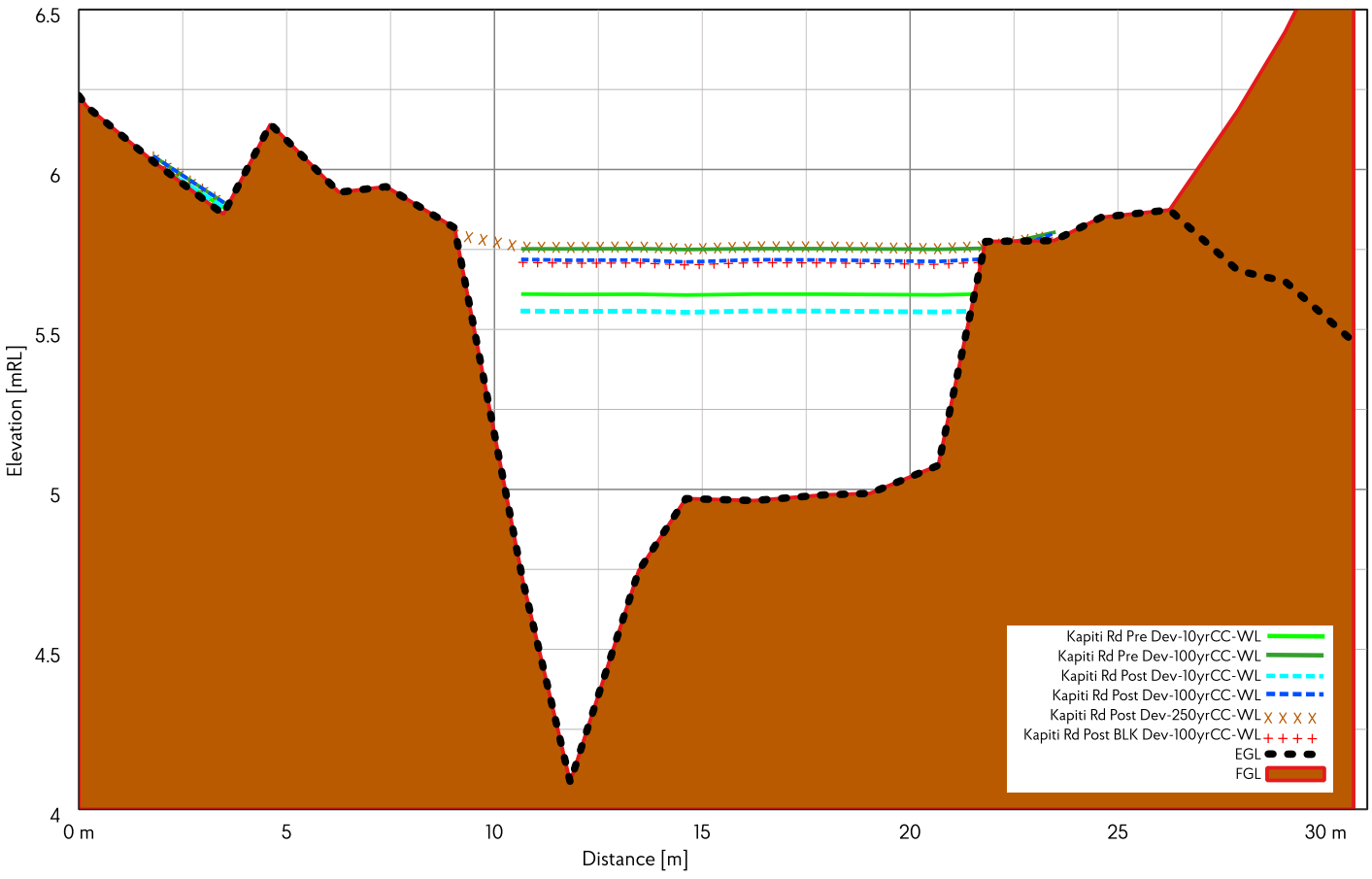


PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS CROSS SECTIONS

DESIGNED:MH
CHECK:LF
SCALE: 500
DATE:22/10/2026



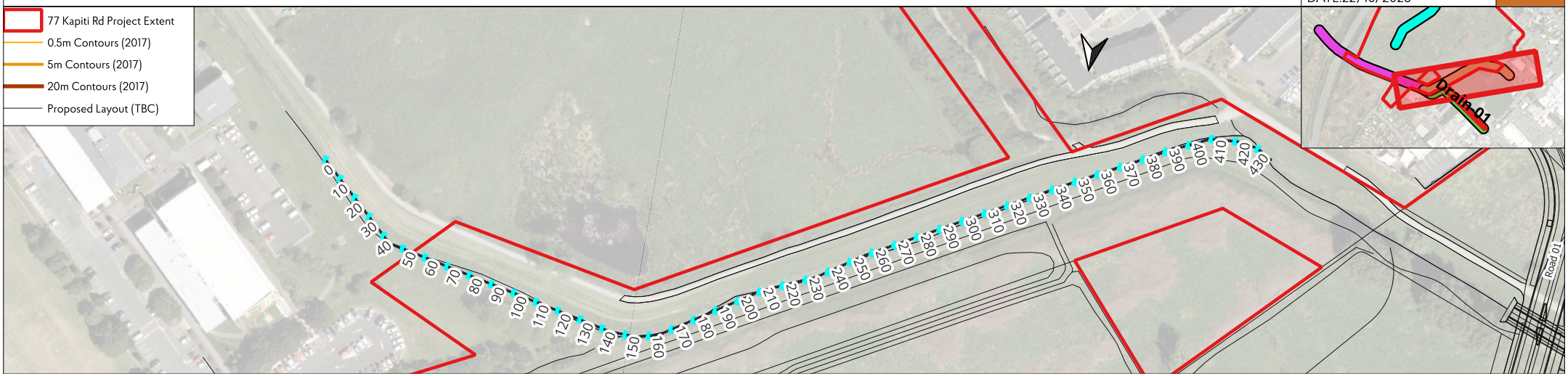

## 08 Drain Northeast



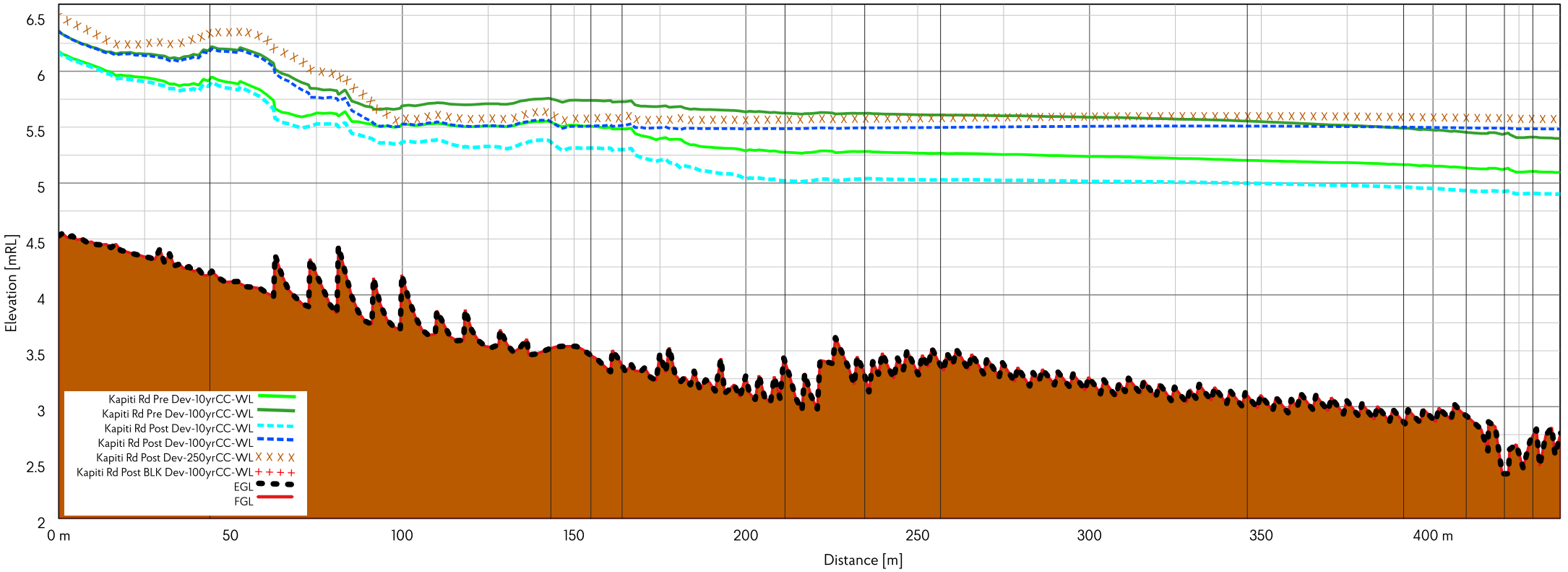
# APPENDIX 6 LONGITUDINAL PROFILES

PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS LONG PROFILES

DESIGNED:MH
CHECK:LF
SCALE: 2296.247767
DATE:22/10/2026

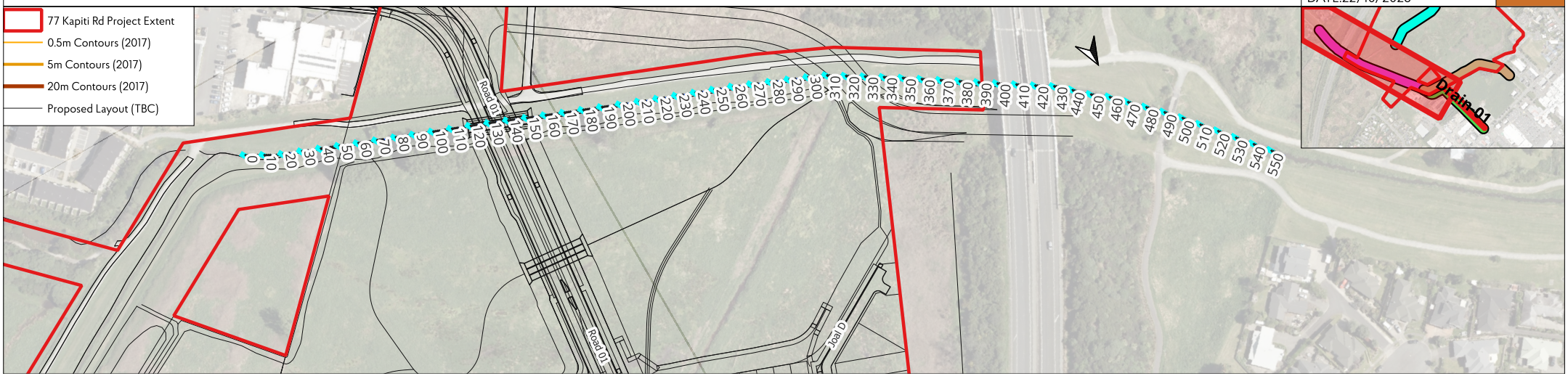



## Wharemauku-01

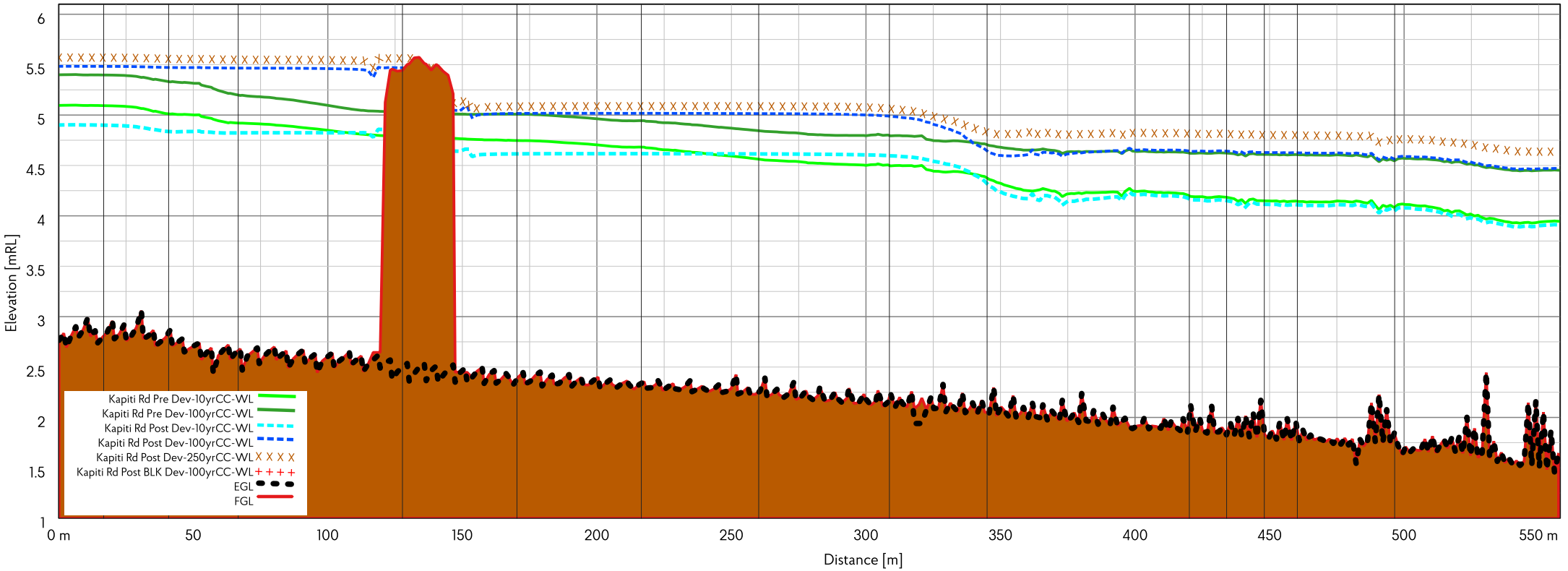


PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS LONG PROFILES

DESIGNED:MH
CHECK:LF
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DATE:22/10/2026

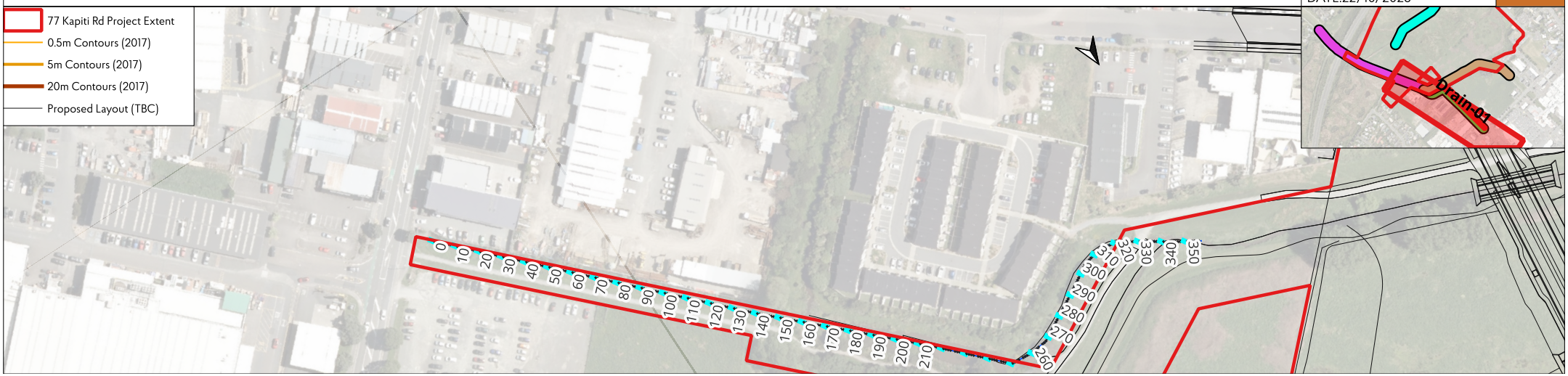



## Wharemauku-02

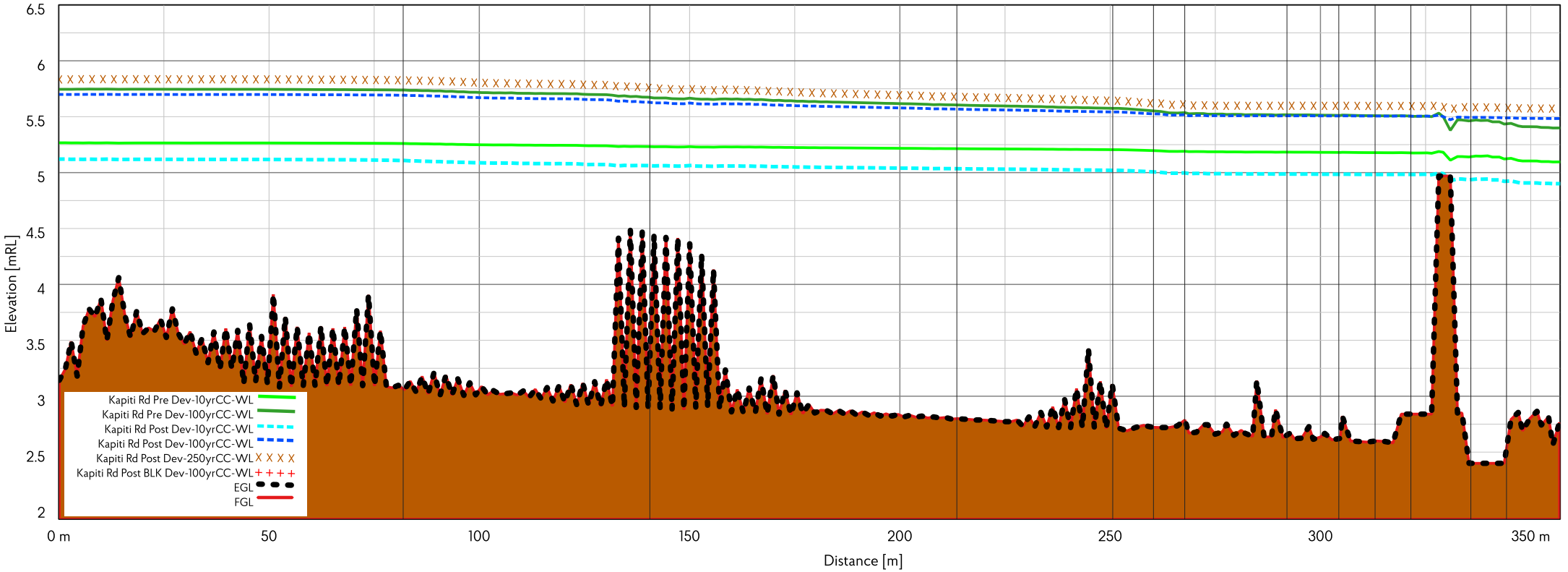


PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS LONG PROFILES

DESIGNED:MH
CHECK:LF
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DATE:22/10/2026

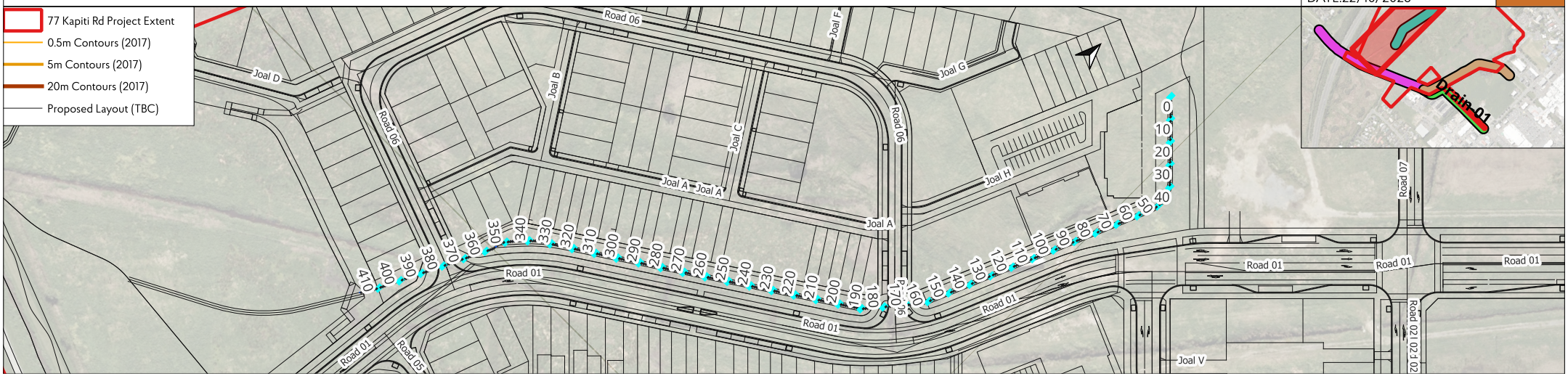



## Drain-01

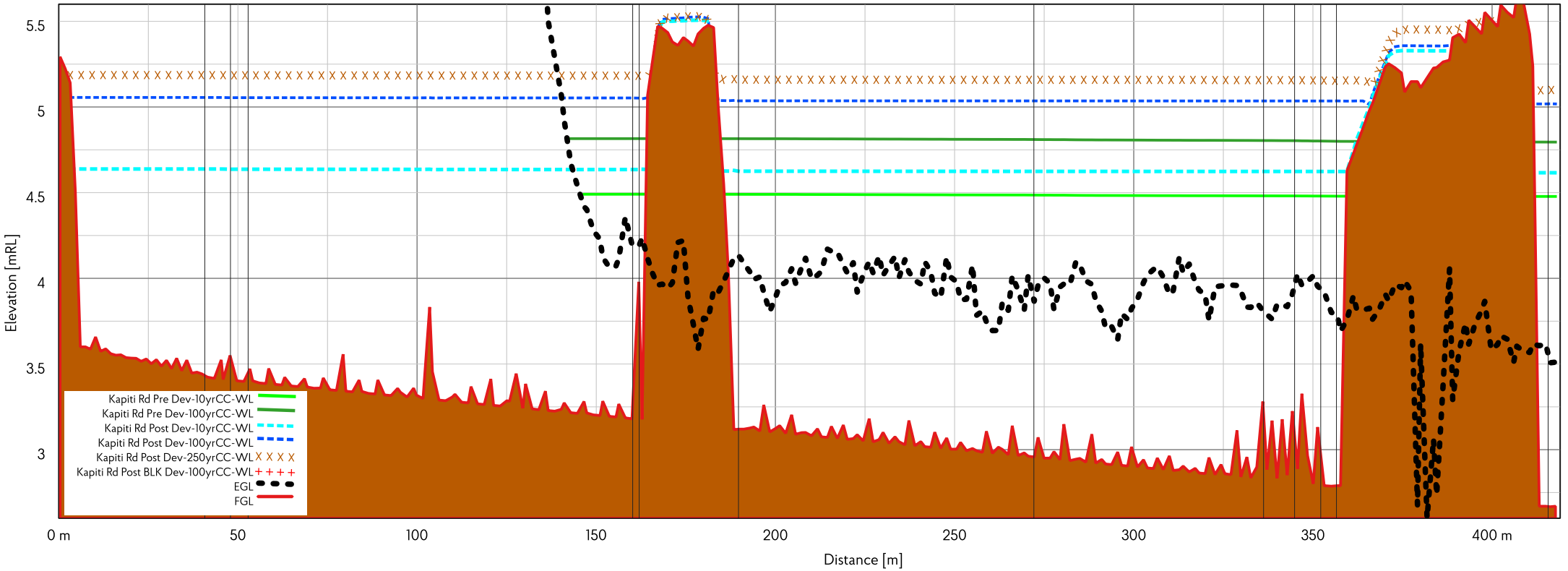


PROJECT: 1942-02 77 KAPITI ROAD
TITLE: MODEL RESULTS LONG PROFILES

DESIGNED:MH
CHECK:LF
SCALE: 2422.746962
DATE:22/10/2026




## Proposed Swale




D:_Projects\1942-02 77 Kapiti Road Fast Track\1942-02 Kapiti Rd Fast Track dynamic.qgz