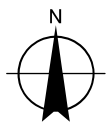


## Appendix G – Wastewater Maps





Paper Size A3  
0 25 50 100 150 200 Meters  
1:5,000  
Map Projection: New Zealand Map Grid  
Horizontal Datum: New Zealand 1949  
Grid: GD 1949 New Zealand Map Grid



## LEGEND

- Proposed WW Pipes
- Proposed WW MHs
- Proposed Pumpstation

Existing WW Pipes  
Dia (mm)  
80 - 150

- 151 - 250
- 251 - 375
- WW Manholes
- Proposed Roads
- Properties



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Mill Road Industrial Area Structure Plan

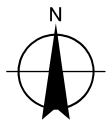
Job Number 51-37446  
Revision 0  
Date 31 Aug 2018

## Proposed Wastewater Supply Layout Light Industry





Paper Size A3  
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1:5,000  
Map Projection: New Zealand Map Grid  
Horizontal Datum: New Zealand 1949  
Grid: GD 1949 New Zealand Map Grid



**LEGEND**

- Proposed WW Pipes
- Proposed WW MHs
- Proposed Pumpstation
- Existing WW Pipes Dia (mm)
  - 151 - 250
  - 251 - 375
  - 80 - 150
- WW Manholes
- Proposed Roads
- Properties

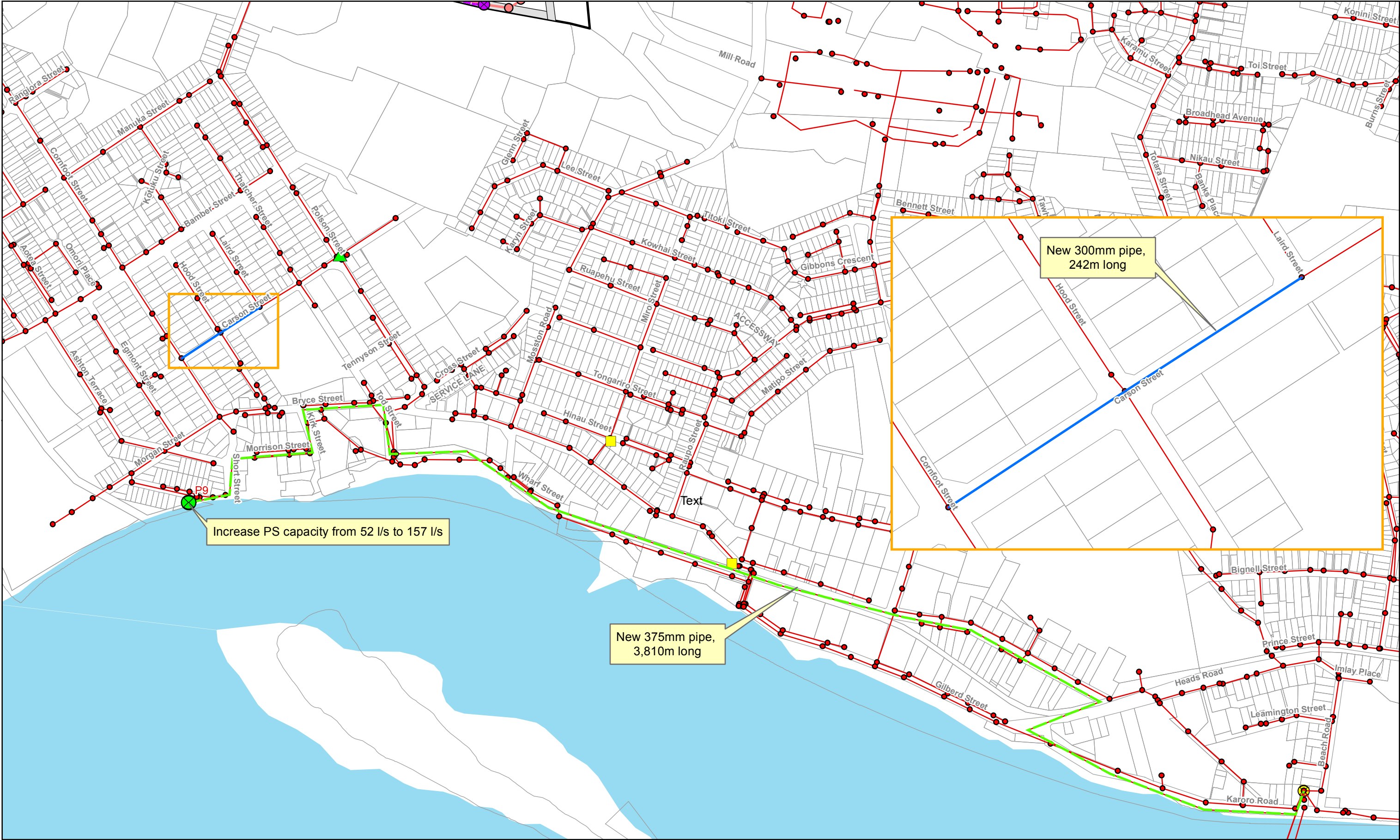


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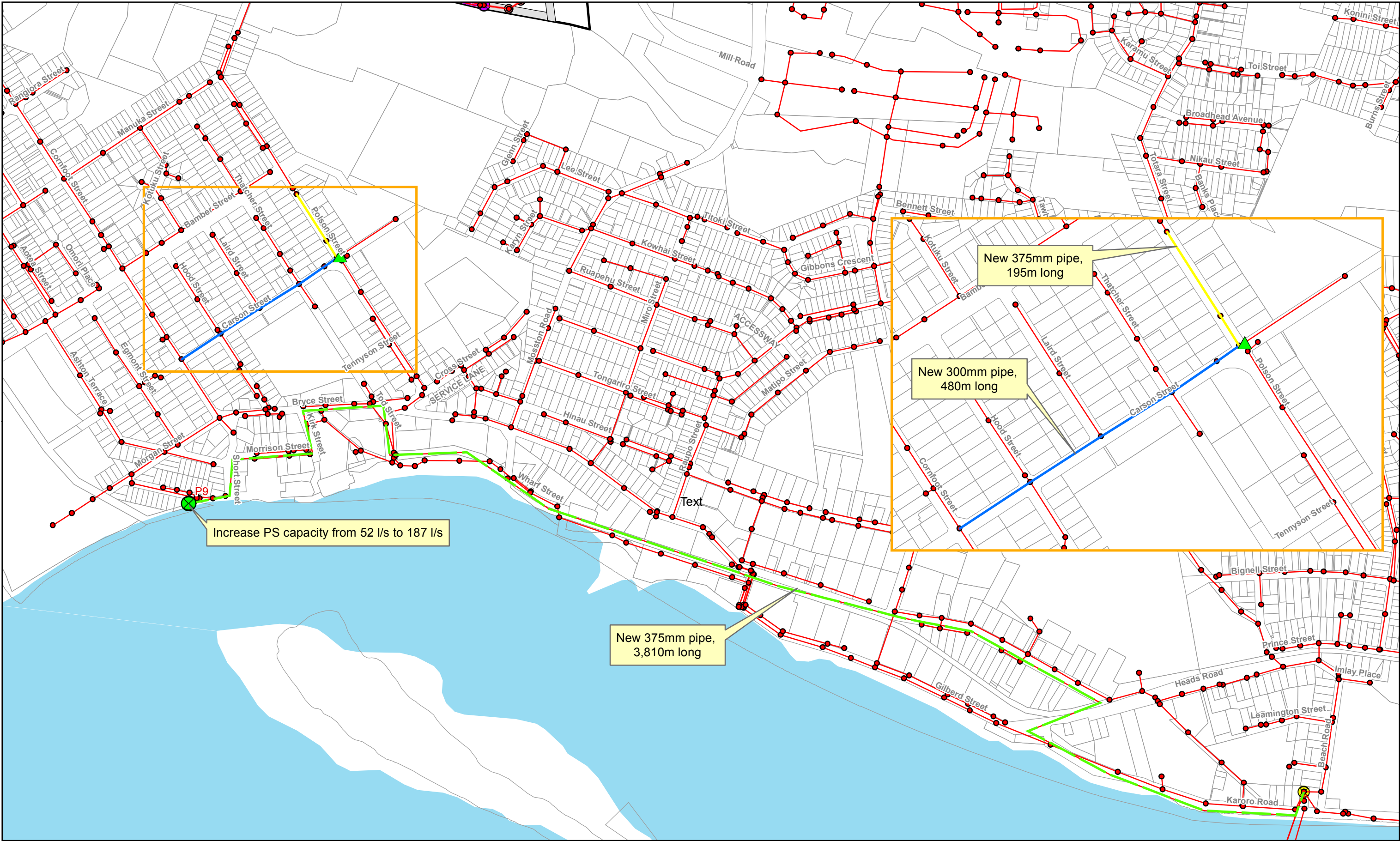
Whanganui District Council  
Mill Road Industrial Area Structure Plan  
**Proposed Wastewater Supply Layout  
Medium Industry**

Job Number 51-37446  
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Date 31 Aug 2018

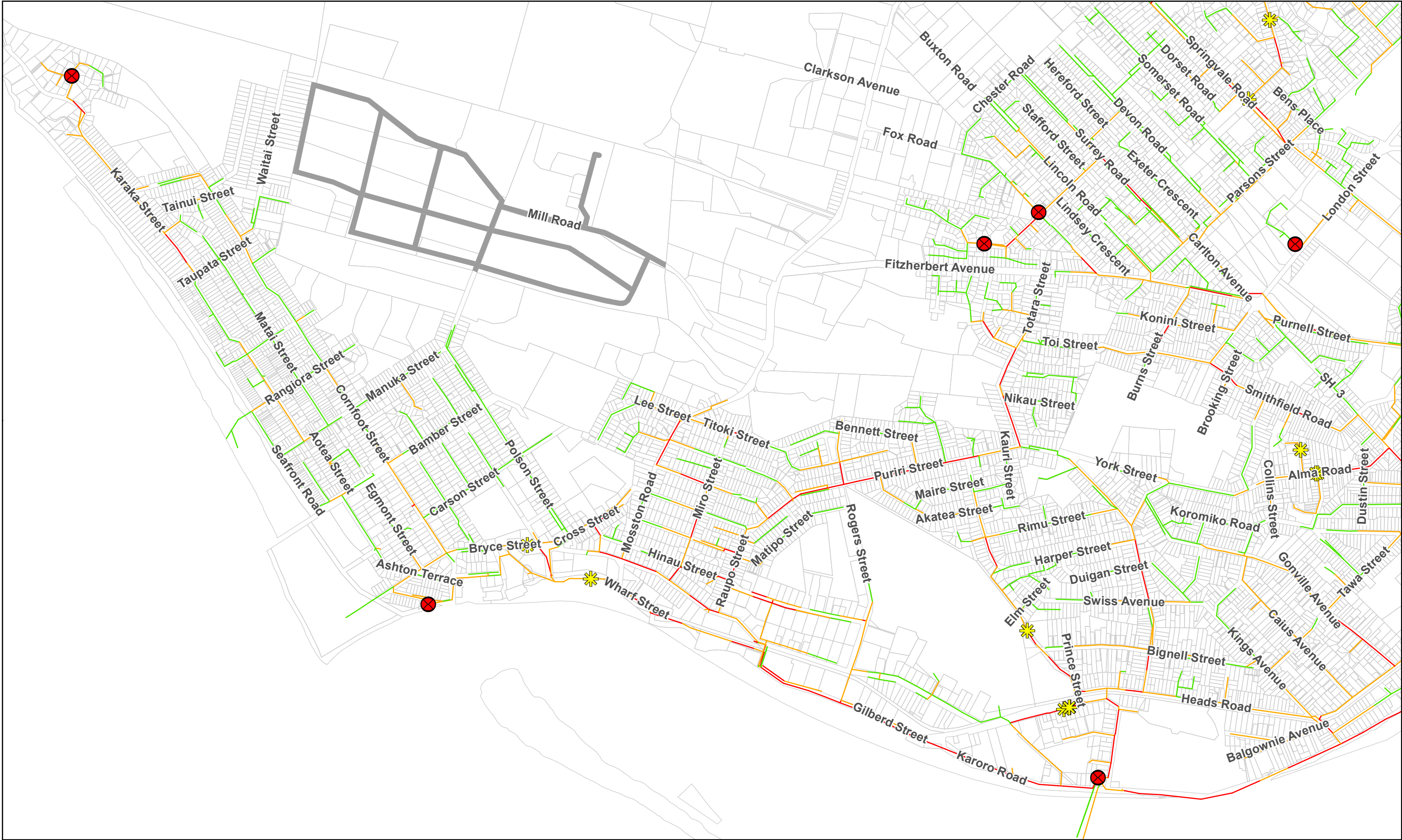












Paper Size A3

0 75 150 300 450 600 Meters

1:15,000

Map Projection: New Zealand Map Grid  
Horizontal Datum: New Zealand 1949  
Grid: GD 1949 New Zealand Map Grid

**LEGEND**

**PIPE CAPACITY**

- Not Surcharged
- Surcharged due to backwatering
- Surcharged due to insufficient capacity
- CONSTRUCTED OVERFLOW OPERATES

**MANHOLES PREDICTED TO SPILL FLVOL**

- Possible Spill (0.1 to 20 m³)
- Moderate Spill (20 to 100 m³)
- Large Spill (100 m³ +)
- Pumpstation

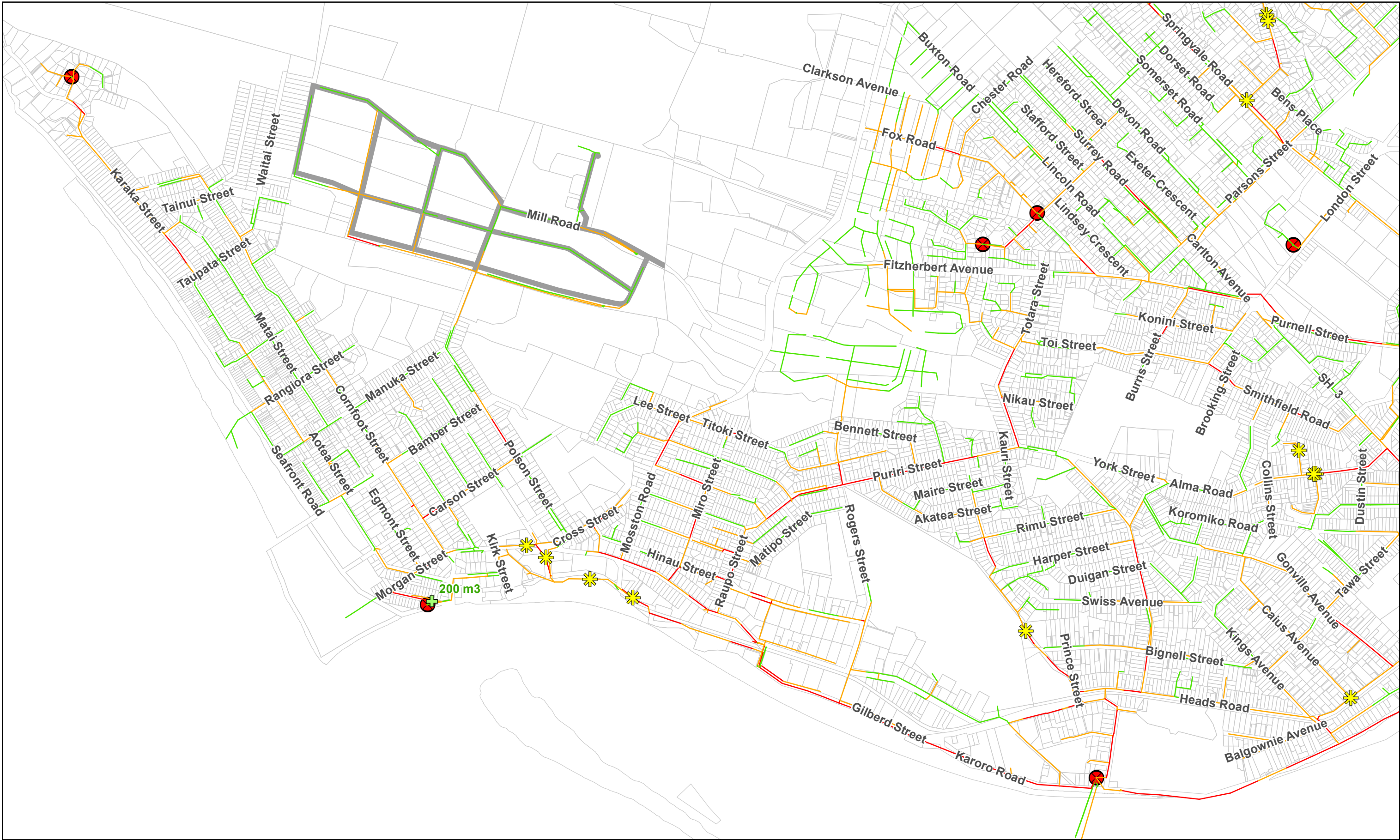
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Whanganui District Council  
Mill Road Industrial Area Structure Plan

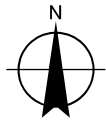
Job Number 51-37446  
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**Wastewater Modelling Results -  
Status Quo with Allowance for  
City-Wide Residential Growth**





Paper Size A3  
0 75 150 300 450 600 Meters  
1:15,000  
Map Projection: New Zealand Map Grid  
Horizontal Datum: New Zealand 1949  
Grid: GD 1949 New Zealand Map Grid



#### LEGEND

##### PIPE CAPACITY

- Not Surcharged
- Surcharged due to backwatering
- Surcharged due to insufficient capacity
- CONSTRUCTED OVERFLOW OPERATES

##### MANHOLES PREDICTED TO SPILL FLVOL

- Possible Spill (0.1 to 20 m³)

- Moderate Spill (20 to 100 m³)
- Large Spill (100 m³ +)
- Pumpstation



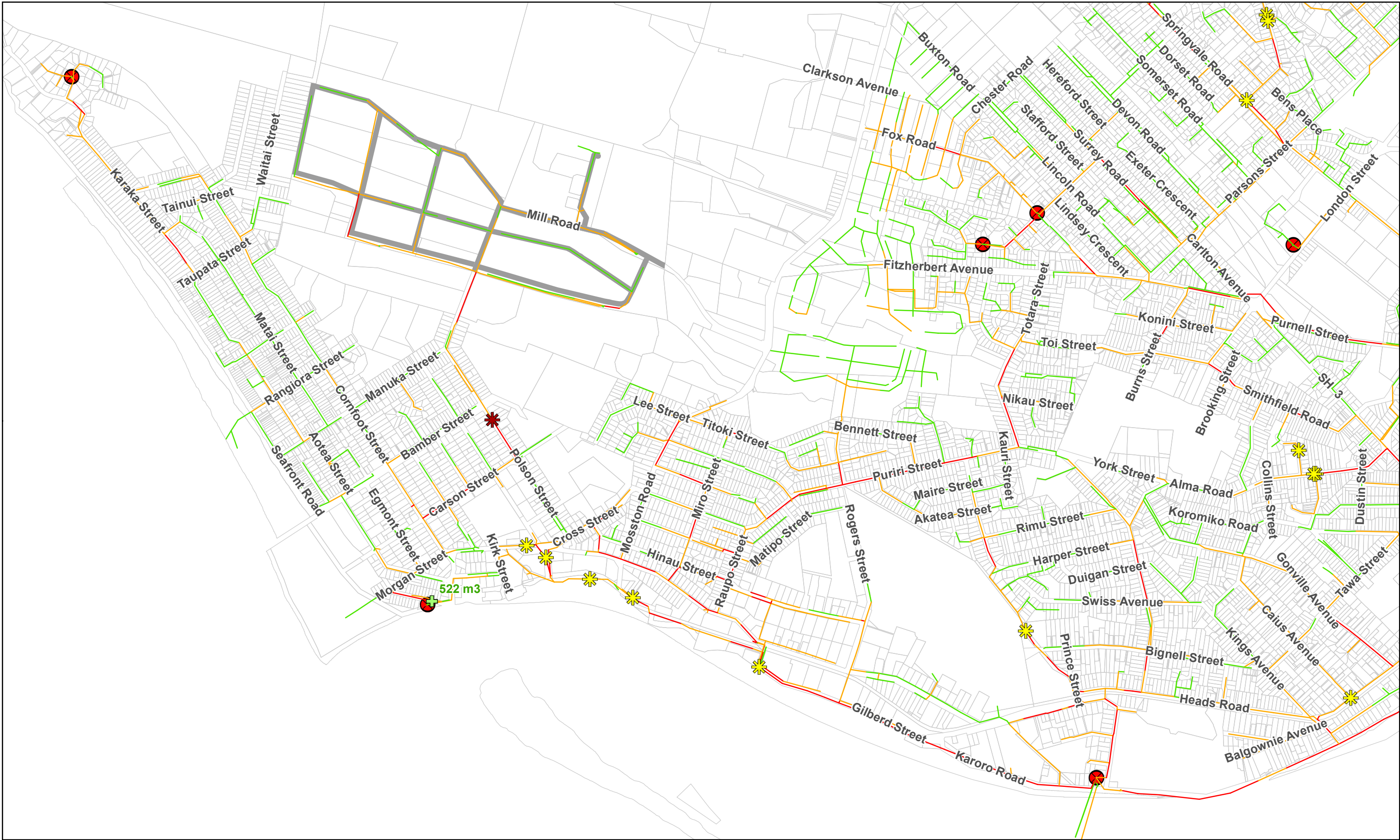
WHANGANUI  
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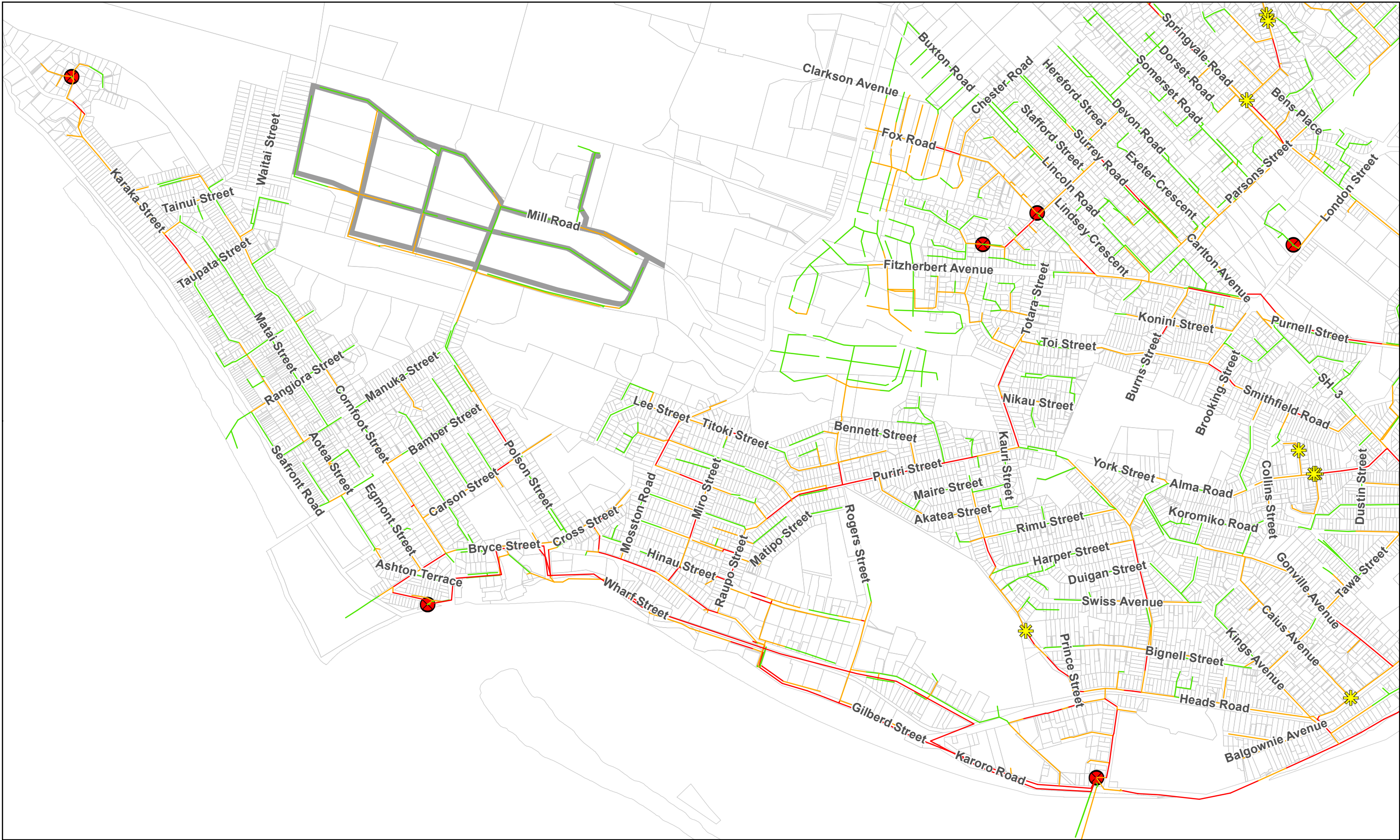
Wastewater Modelling Results -  
Light Industry  
No Upgrades

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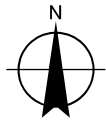








Paper Size A3  
0 75 150 300 450 600 Meters  
1:15,000  
Map Projection: New Zealand Map Grid  
Horizontal Datum: New Zealand 1949  
Grid: GD 1949 New Zealand Map Grid



**LEGEND**

**PIPE CAPACITY**  
— Not Surcharged  
— Surcharged due to backwatering  
— Surcharged due to insufficient capacity

**MANHOLES PREDICTED TO SPILL**  
**FLVOL**  
★ Possible Spill (0.1 to 20 m³)

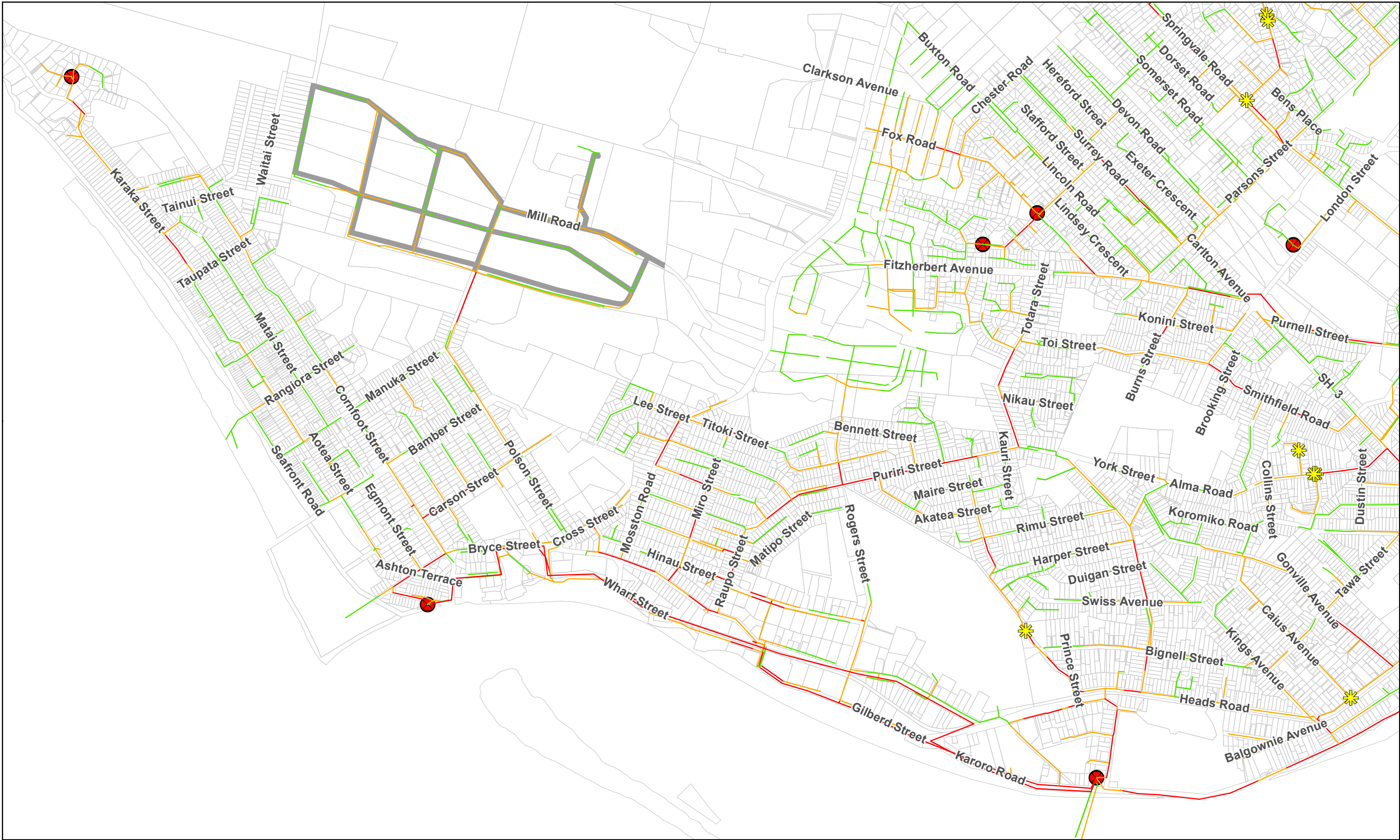
★ Moderate Spill (20 to 100 m³)  
★ Large Spill (100 m³ +)  
⊗ Pumpstation



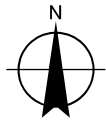
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Job Number 51-37446  
Revision 0  
Date 31 Aug 2018  
**Wastewater Modelling Results -  
Light Industry  
Upgraded**





Paper Size A3  
0 75 150 300 450 600 Meters  
1:15,000  
Map Projection: New Zealand Map Grid  
Horizontal Datum: New Zealand 1949  
Grid: GD 1949 New Zealand Map Grid



**LEGEND**  
**PIPE CAPACITY**  
— Not Surcharged  
— Surcharged due to backwatering  
— Surcharged due to insufficient capacity  
+ CONSTRUCTED OVERFLOW OPERATES

**MANHOLES PREDICTED TO SPILL**  
**FLVOL**  
\* Possible Spill (0.1 to 20 m³)  
\* Moderate Spill (20 to 100 m³)  
\* Large Spill (100 m³ +)  
\* Pumpstation



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Revision 0  
Date 31 Aug 2018  
**Wastewater Modelling Results - Medium Industry Upgraded**