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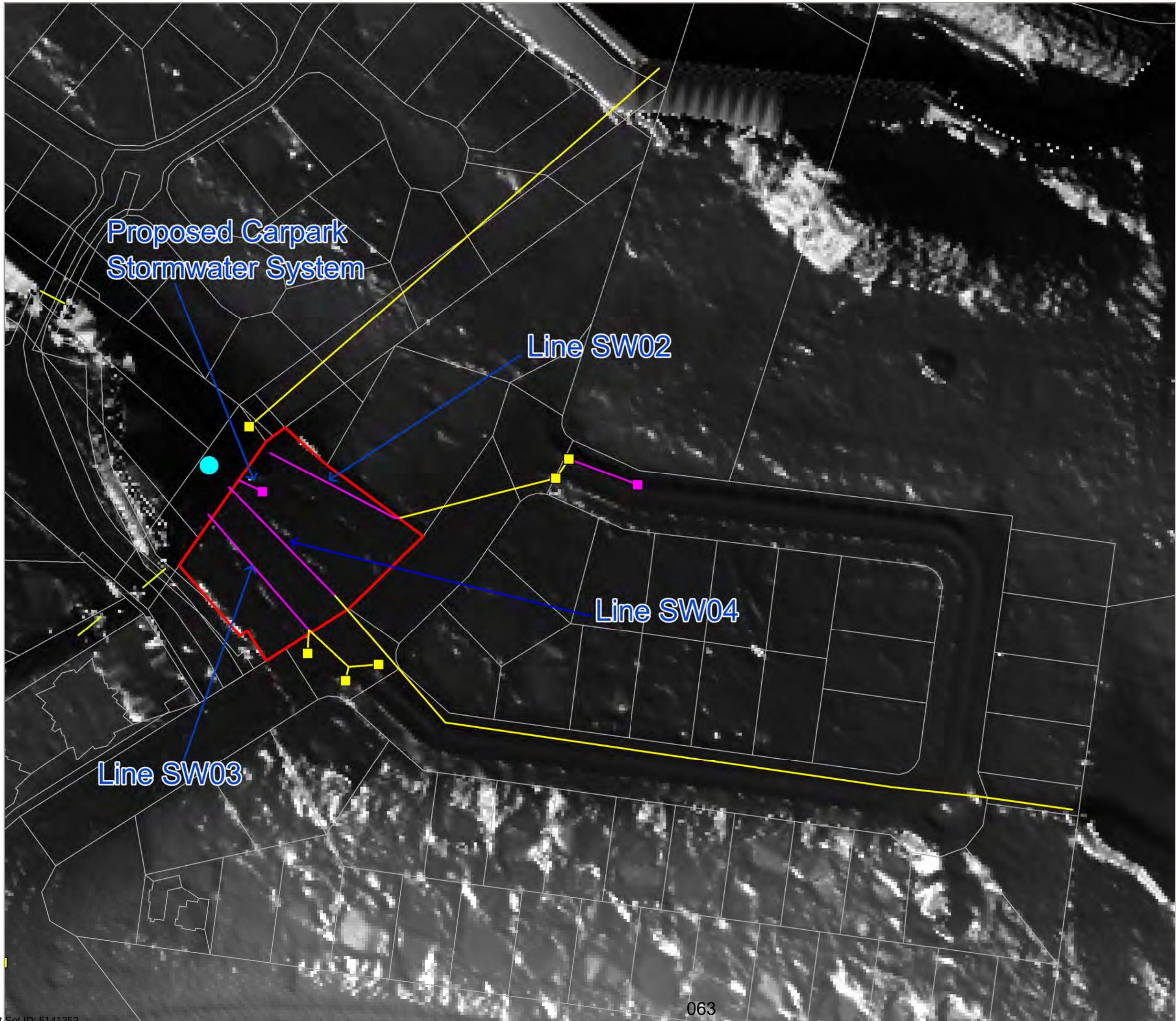


Figure A4 -
Developed Case
TUFLOW Key
Model Features

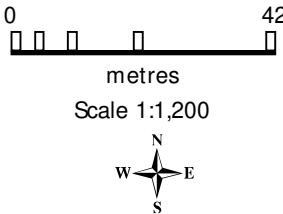
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent
- Modelled Proposed Stormwater Pit
- Modelled Proposed Stormwater Pipe
- Reporting Point



**Agnes Street
Carpark
Stormwater
Assessment**

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET	A3
Project No:	R2020043
Date:	July 2020
Revision Number:	1
Client Name:	Gladstone Regional Council

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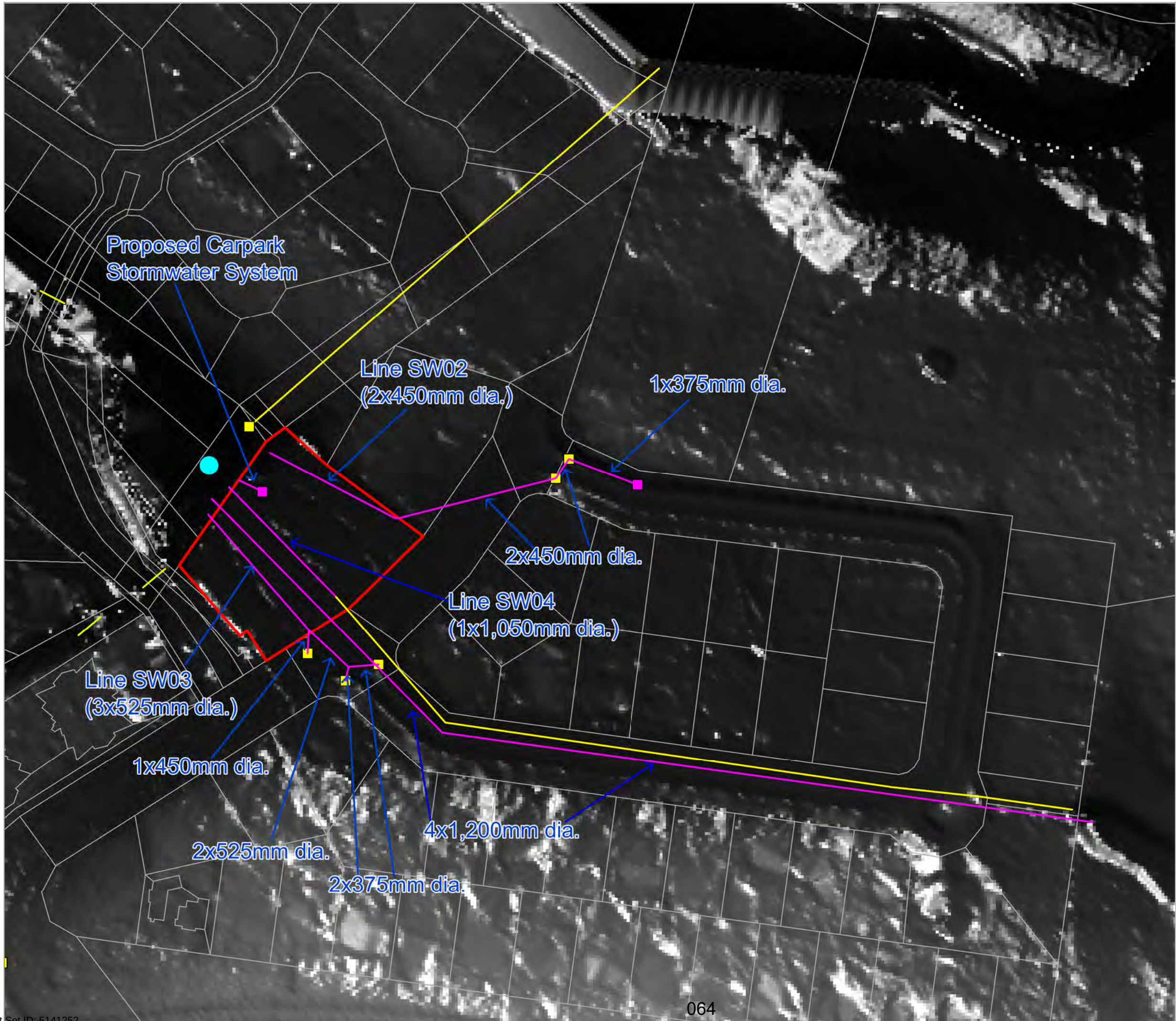


Figure A5 - Mitigated Case TUFLOW Key Model Features

LEGEND

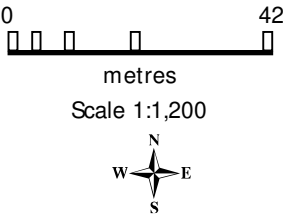
- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastral Boundary
- Model Extent
- Modelled Proposed Stormwater Pit
- Modelled Stormwater Pipe Upgrades
- Reporting Point

Model Surface Elevation (mAHD)



Agnes Street Carpark Stormwater Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
Project No: R2020043
Date: July 2020
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Figure E1 -
Existing Case
1% AEP Peak
Flood Level

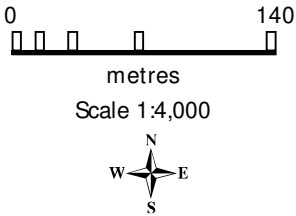
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Level (mAHD)	
	Less than 2
	2 to 3
	3 to 4
	4 to 5
	5 to 6
	6 to 7
	7 to 8
	Greater than 8

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
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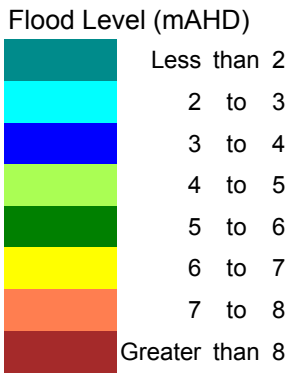
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Figure E2 -
Existing Case
2% AEP Peak
Flood Level

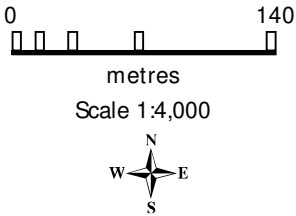
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent



Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
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Figure E3 -
Existing Case
5% AEP Peak
Flood Level

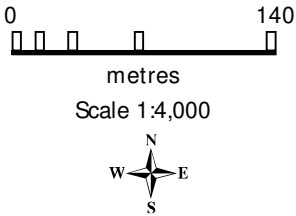
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Level (mAHD)	
Less than 2	
2 to 3	
3 to 4	
4 to 5	
5 to 6	
6 to 7	
7 to 8	
Greater than 8	

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
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Figure E4 -
Existing Case
10% AEP Peak
Flood Level

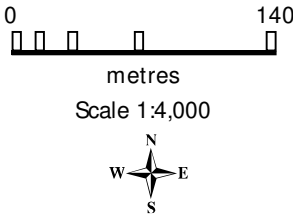
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Level (mAHD)	
Less than 2	
2 to 3	
3 to 4	
4 to 5	
5 to 6	
6 to 7	
7 to 8	
Greater than 8	

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET	A3
Project No:	R2020043
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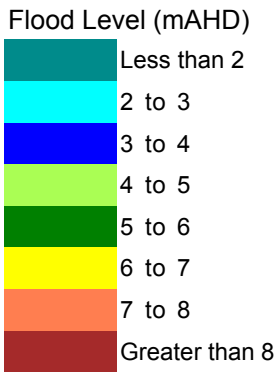
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Figure E5 -
Existing Case
20% AEP Peak
Flood Level

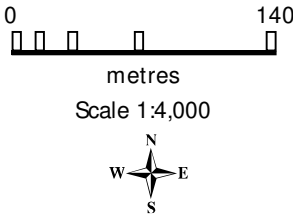
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent



Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
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Figure E6 -
Existing Case
50% AEP Peak
Flood Level

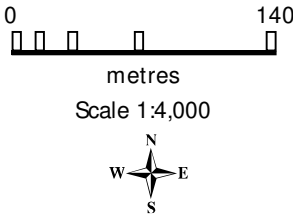
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Level (mAHD)	
Less than 2	
2 to 3	
3 to 4	
4 to 5	
5 to 6	
6 to 7	
7 to 8	
Greater than 8	

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET	A3
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Figure E7 -
Existing Case
1% AEP Peak
Flood Depth

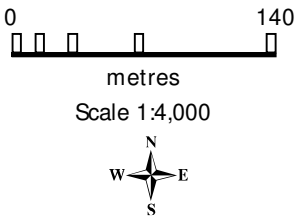
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Depth (m)		
	0	to 0.1
	0.1	to 0.2
	0.2	to 0.3
	0.3	to 0.5
	0.5	to 1
	1	to 1.5
	1.5	to 2
	Greater	than 2

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



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Figure E8 -
Existing Case
2% AEP Peak
Flood Depth

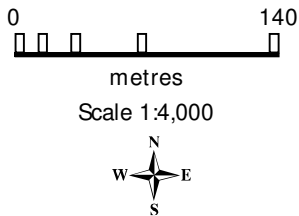
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Depth (m)		
	0	to 0.1
	0.1	to 0.2
	0.2	to 0.3
	0.3	to 0.5
	0.5	to 1
	1	to 1.5
	1.5	to 2
	Greater	than 2

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
Project No: R2020043
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Figure E9 -
Existing Case
5% AEP Peak
Flood Depth

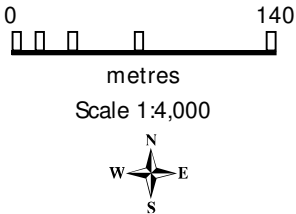
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Depth (m)		
	0	to 0.1
	0.1	to 0.2
	0.2	to 0.3
	0.3	to 0.5
	0.5	to 1
	1	to 1.5
	1.5	to 2
	Greater	than 2

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
Project No: R2020043
Date: July 2020
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Figure E10 -
Existing Case
10% AEP Peak
Flood Depth

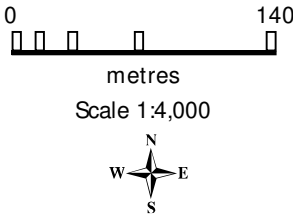
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Depth (m)		
	0	to 0.1
	0.1	to 0.2
	0.2	to 0.3
	0.3	to 0.5
	0.5	to 1
	1	to 1.5
	1.5	to 2
	Greater	than 2

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
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Figure E11 -
Existing Case
20% AEP Peak
Flood Depth

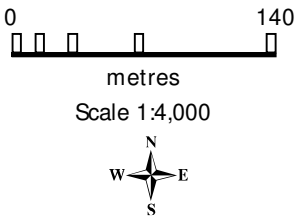
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Depth (m)		
	0	to 0.1
	0.1	to 0.2
	0.2	to 0.3
	0.3	to 0.5
	0.5	to 1
	1	to 1.5
	1.5	to 2
	Greater	than 2

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
Project No: R2020043
Date: July 2020
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Figure E12 -
Existing Case
50% AEP Peak
Flood Depth

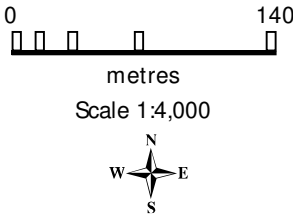
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flood Depth (m)		
	0	to 0.1
	0.1	to 0.2
	0.2	to 0.3
	0.3	to 0.5
	0.5	to 1
	1	to 1.5
	1.5	to 2
	Greater	than 2

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
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Figure E13 -
Existing Case
1% AEP Peak
Flow Velocity

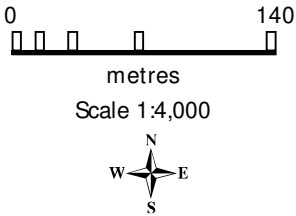
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flow Velocity (m/s)		
	0	to 0.5
	0.5	to 1
	1	to 1.5
	1.5	to 2
	2	to 3
	Greater	than 3

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET	A3
Project No:	R2020043
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Revision Number:	1
Client Name:	Gladstone Regional Council

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Figure E14 -
Existing Case
2% AEP Peak
Flow Velocity

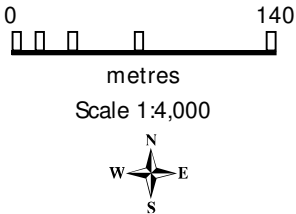
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flow Velocity (m/s)		
	0	to 0.5
	0.5	to 1
	1	to 1.5
	1.5	to 2
	2	to 3
	Greater	than 3

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET	A3
Project No:	R2020043
Date:	July 2020
Revision Number:	1
Client Name:	Gladstone Regional Council



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Figure E15 -
Existing Case
5% AEP Peak
Flow Velocity

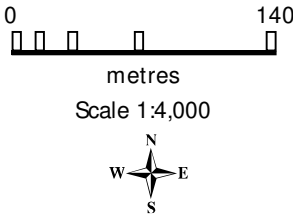
LEGEND

- Model Downstream Boundary
- Modelled Existing Stormwater Pit
- Modelled Existing Stormwater Pipe
- Subject Site
- Cadastre Boundary
- Model Extent

Flow Velocity (m/s)		
	0	to 0.5
	0.5	to 1
	1	to 1.5
	1.5	to 2
	2	to 3
	Greater	than 3

Agnes Street
Carpark
Stormwater
Assessment

Pre Model: 002
Post Model: D001
Mitigated Model: D008



SHEET A3
Project No: R2020043
Date: July 2020
Revision Number: 1
Client Name: Gladstone Regional Council



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