APPENDIX G: ALTERNATE DESIGN UPGRADE AFFLUX MAPPING (10% AEP LEVEE)

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 001

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Alternate Upgrade Scenario (10% AEP Levee)
50% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 002

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Alternate Upgrade Scenario (10% AEP Levee)
20% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 003

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Alternate Upgrade Scenario (10% AEP Levee)
10% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

Shirley St
Kendall St
Dryden St
Shirley St
Milton St
Shirley St
Wordsworth St
Butler St

LEGEND

Stormwater Network

- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux

- <= -0.5
- -0.5 - -0.3
- -0.3 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.01
- -0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.10
- 0.10 - 0.2
- 0.2 - 0.3
- > 0.3
- Decreased flood extent
- Increased flood extent

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 004

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Alternate Upgrade Scenario (10% AEP Levee)
5% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

Shirley St

Kendall St

Dryden St

Shirley St

Milton St

Shirley St

Wordsworth St

Butler St

LEGEND

Stormwater Network

- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux

- <= -0.5
- -0.5 - -0.3
- -0.3 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.01
- -0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.10
- 0.10 - 0.2
- 0.2 - 0.3
- > 0.3
- Decreased flood extent
- Increased flood extent

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 005

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Alternate Upgrade Scenario (10% AEP Levee)
2% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

Kendall St
Shirley St
Dryden St
Shirley St
Milton St
Shirley St
Wordsworth St
Butler St

LEGEND

Stormwater Network
- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux
- <= -0.5
- -0.5 - -0.3
- -0.3 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.01
- -0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.10
- 0.10 - 0.2
- 0.2 - 0.3
- > 0.3
- Decreased flood extent
- Increased flood extent

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 006

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Alternate Upgrade Scenario (10% AEP Levee)
1% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

Shirley St

Kendall St

Dryden St

Shirley St

Milton St

Shirley St

Wordsworth St

Butler St

LEGEND

Stormwater Network

- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux

- <= -0.5
- -0.5 - -0.3
- -0.3 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.01
- -0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.10
- 0.10 - 0.2
- 0.2 - 0.3
- > 0.3
- Decreased flood extent
- Increased flood extent

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 007

Byron Bay Drainage Concept Design
Byron Shire Council

Shirley St
Alternate Upgrade Scenario (10% AEP Levee)
1% Envelope Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 50 100 m

SCALE @ A3 - 1:2,000
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

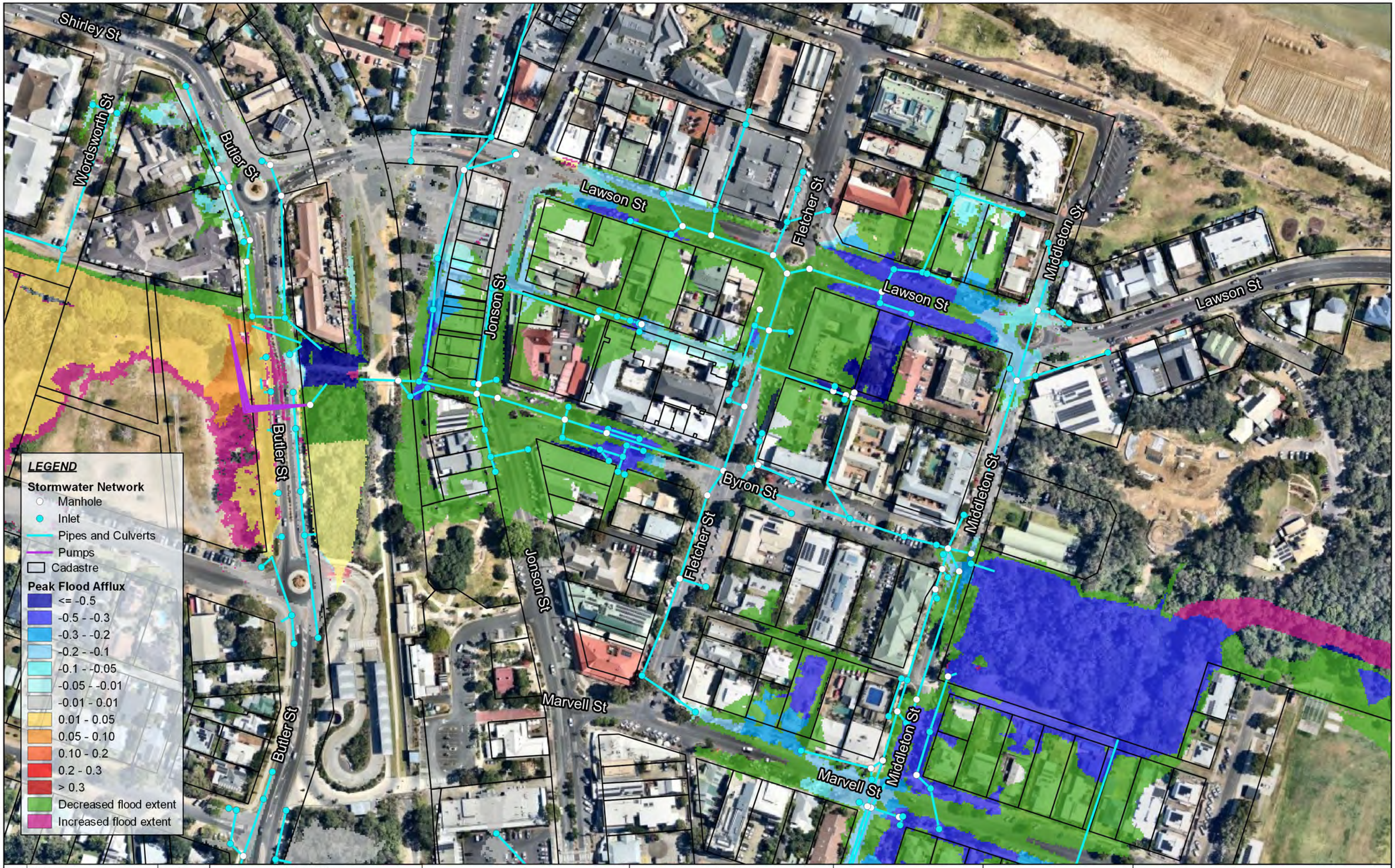
Appendix G - 008

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Alternate Upgrade Scenario (10% AEP Levee)
50% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz



R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 50 100 m

SCALE @ A3 - 1:2,000
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 009

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Alternate Upgrade Scenario (10% AEP Levee)
20% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 50 100 m

SCALE @ A3 - 1:2,000
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

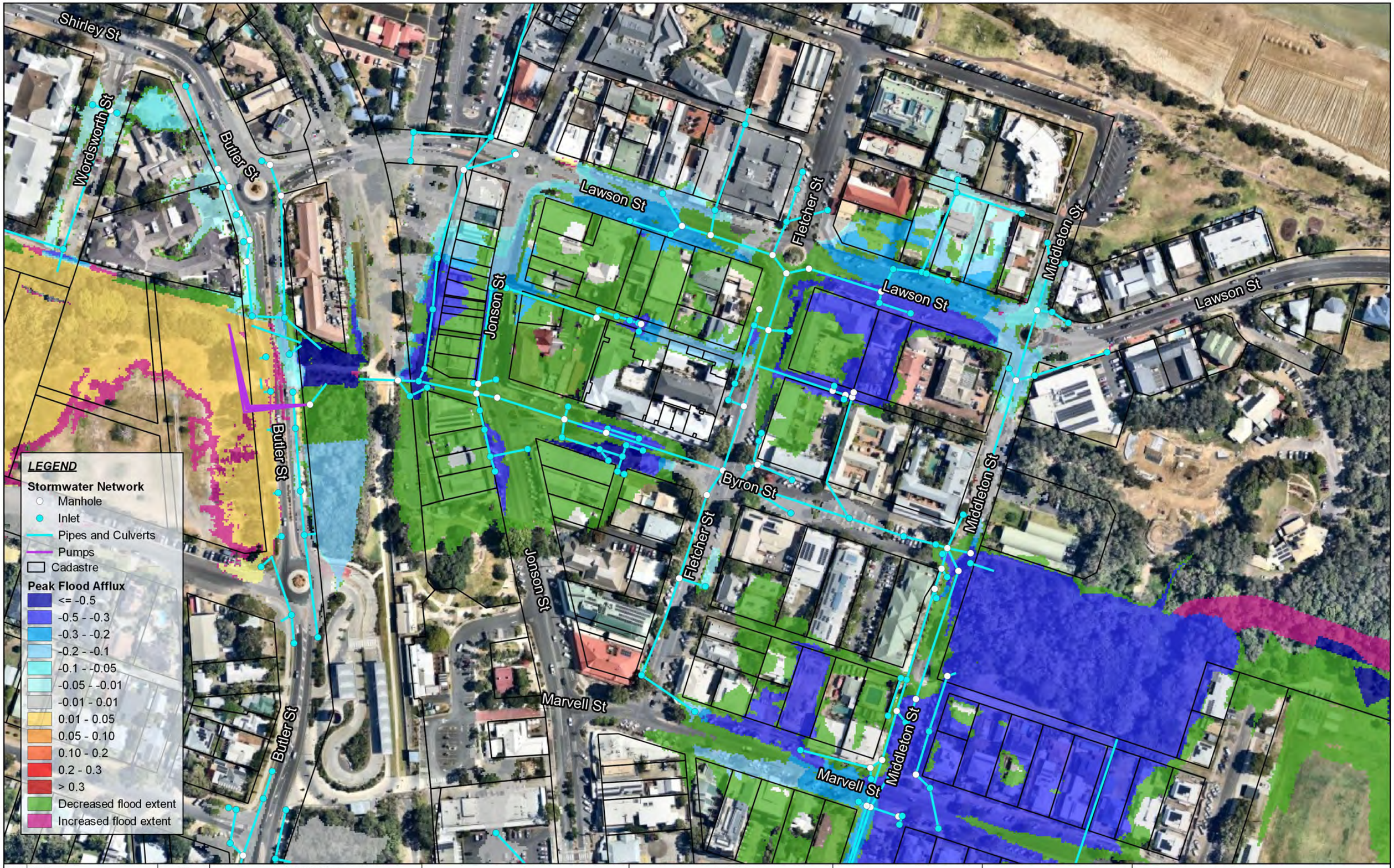
Appendix G - 010

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Alternate Upgrade Scenario (10% AEP Levee)
10% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz



R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 50 100 m

SCALE @ A3 - 1:2,000
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

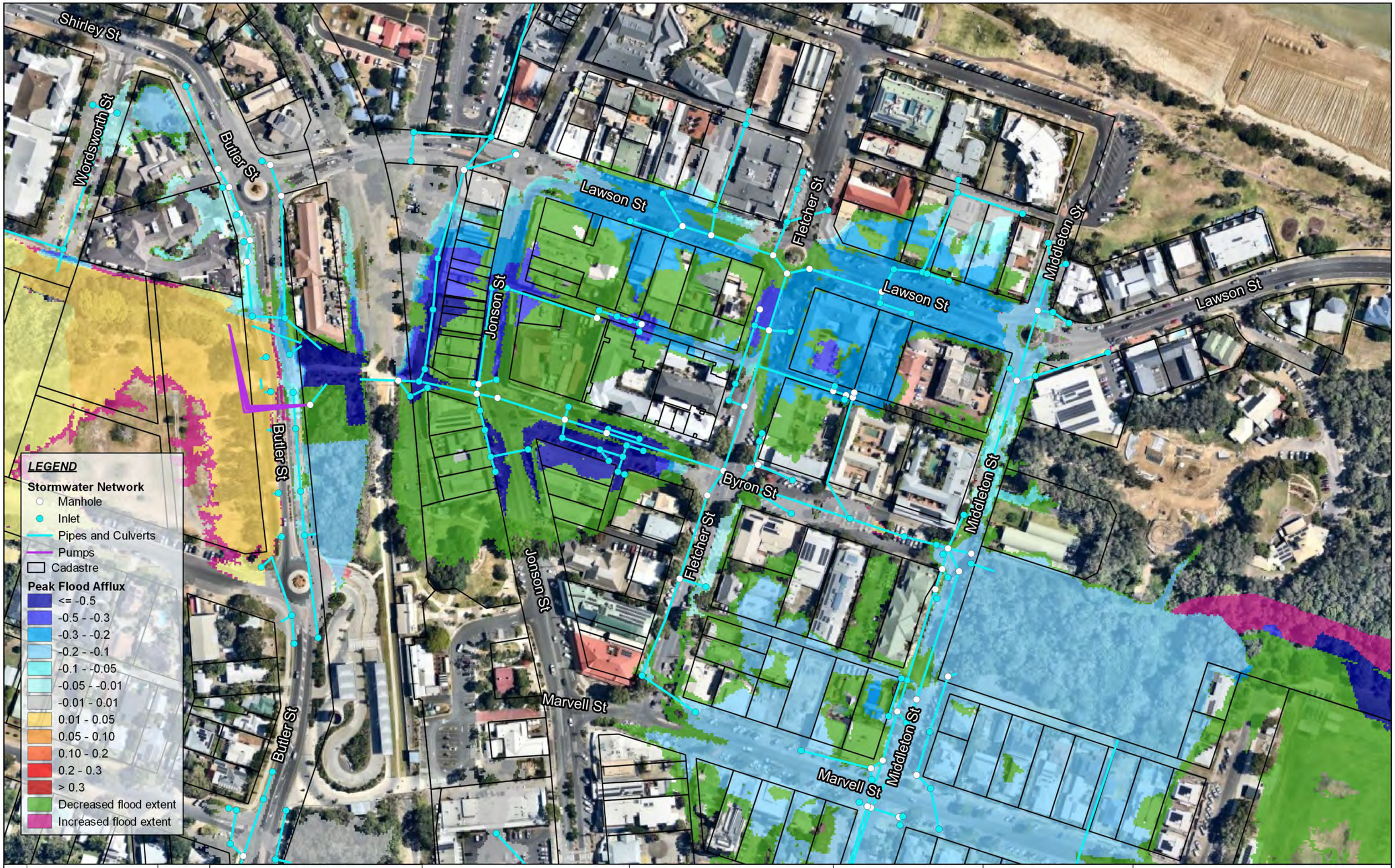
Appendix G - 011

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Alternate Upgrade Scenario (10% AEP Levee)
5% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz



R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 50 100 m

SCALE @ A3 - 1:2,000
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

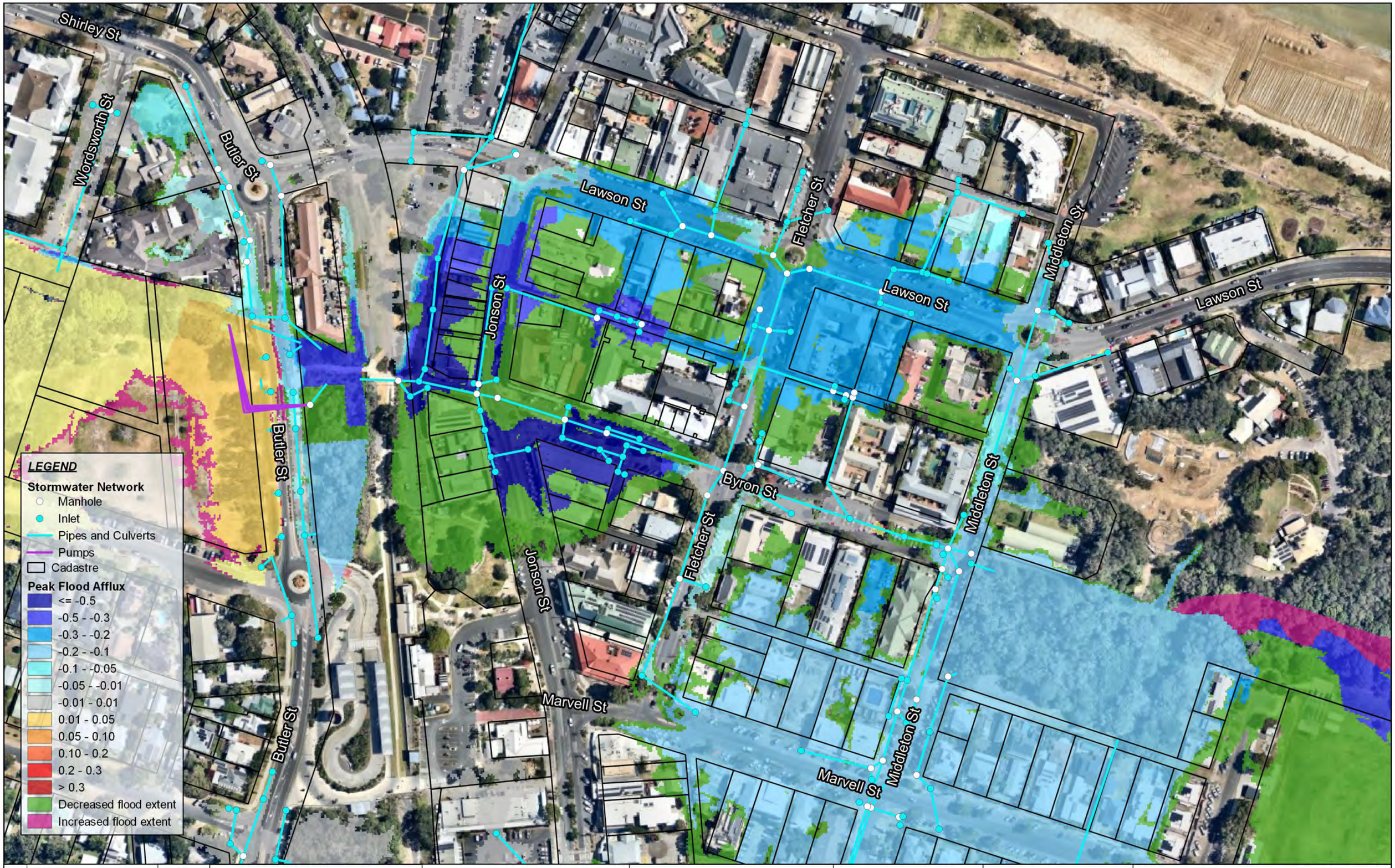
Appendix G - 012

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Alternate Upgrade Scenario (10% AEP Levee)
2% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz



R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 50 100 m

SCALE @ A3 - 1:2,000
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

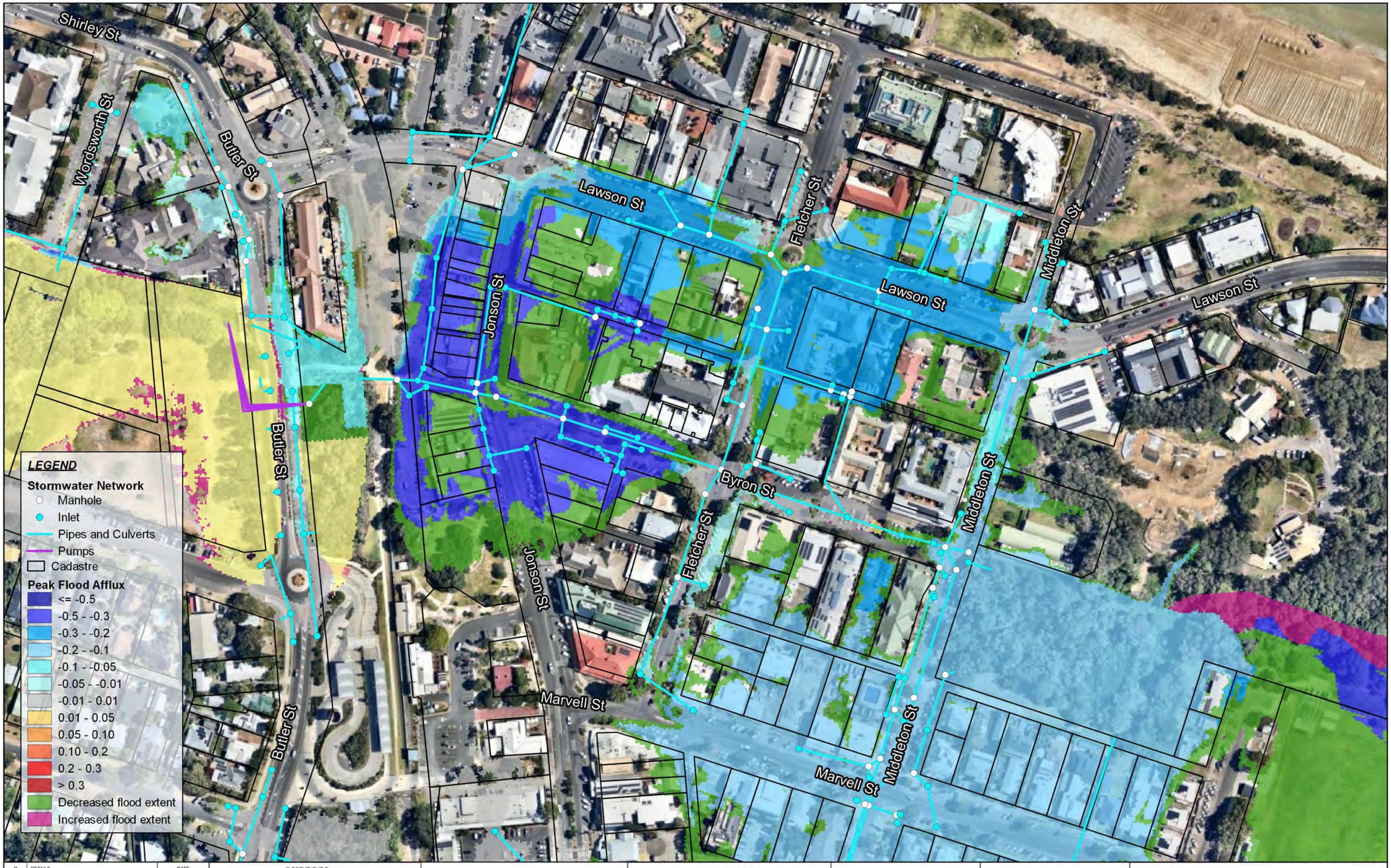
Appendix G - 013

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Alternate Upgrade Scenario (10% AEP Levee)
1% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz



R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 50 100 m

SCALE @ A3 - 1:2,000
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 014

Byron Bay Drainage Concept Design
Byron Shire Council

Town Centre
Alternate Upgrade Scenario (10% AEP Levee)
1% Envelope Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 015

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Alternate Upgrade Scenario (10% AEP Levee)
50% AEP Flood Level Afflux

Drg Ref: QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 ^BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

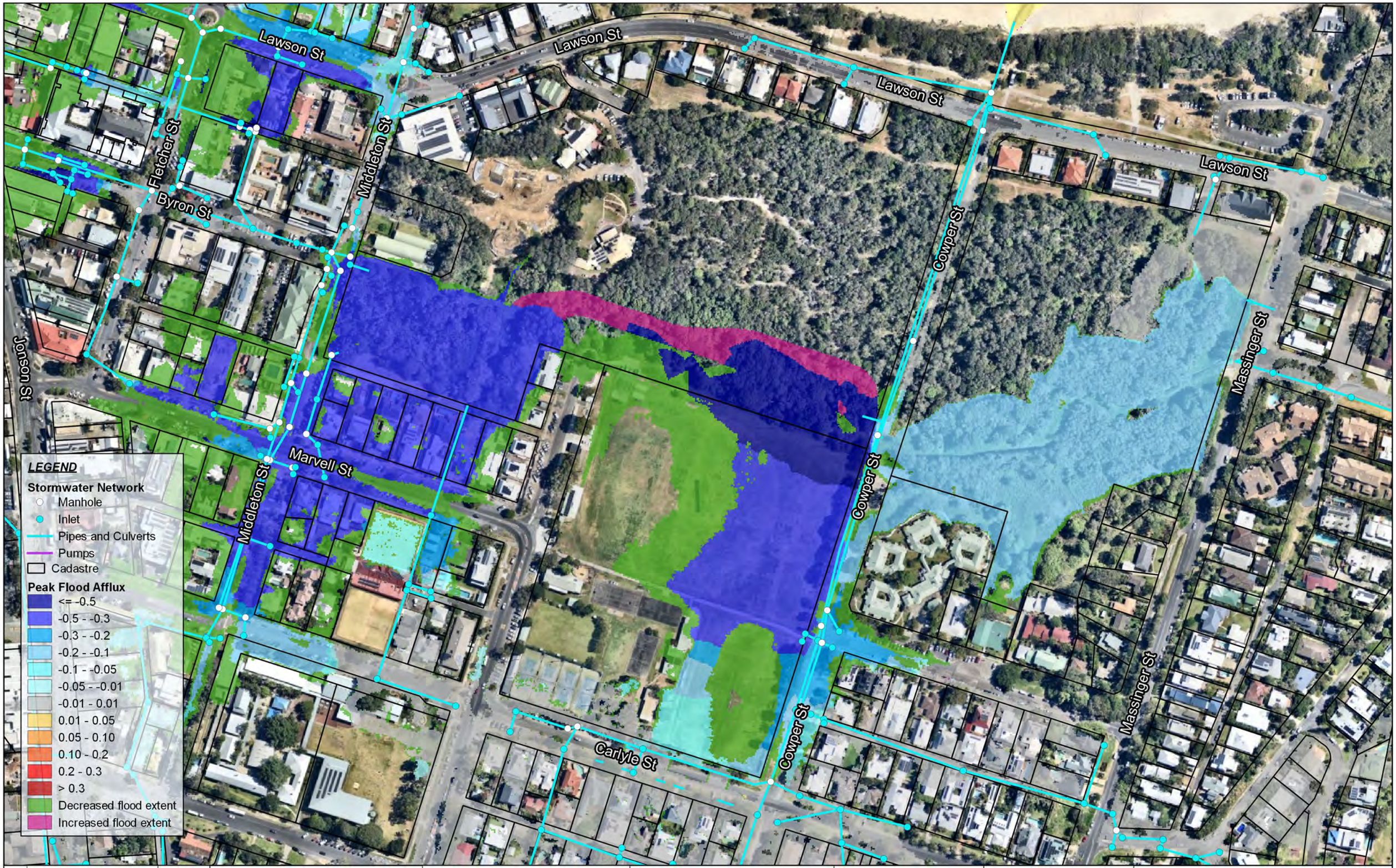
Appendix G - 016

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Alternate Upgrade Scenario (10% AEP Levee)
20% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz



R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

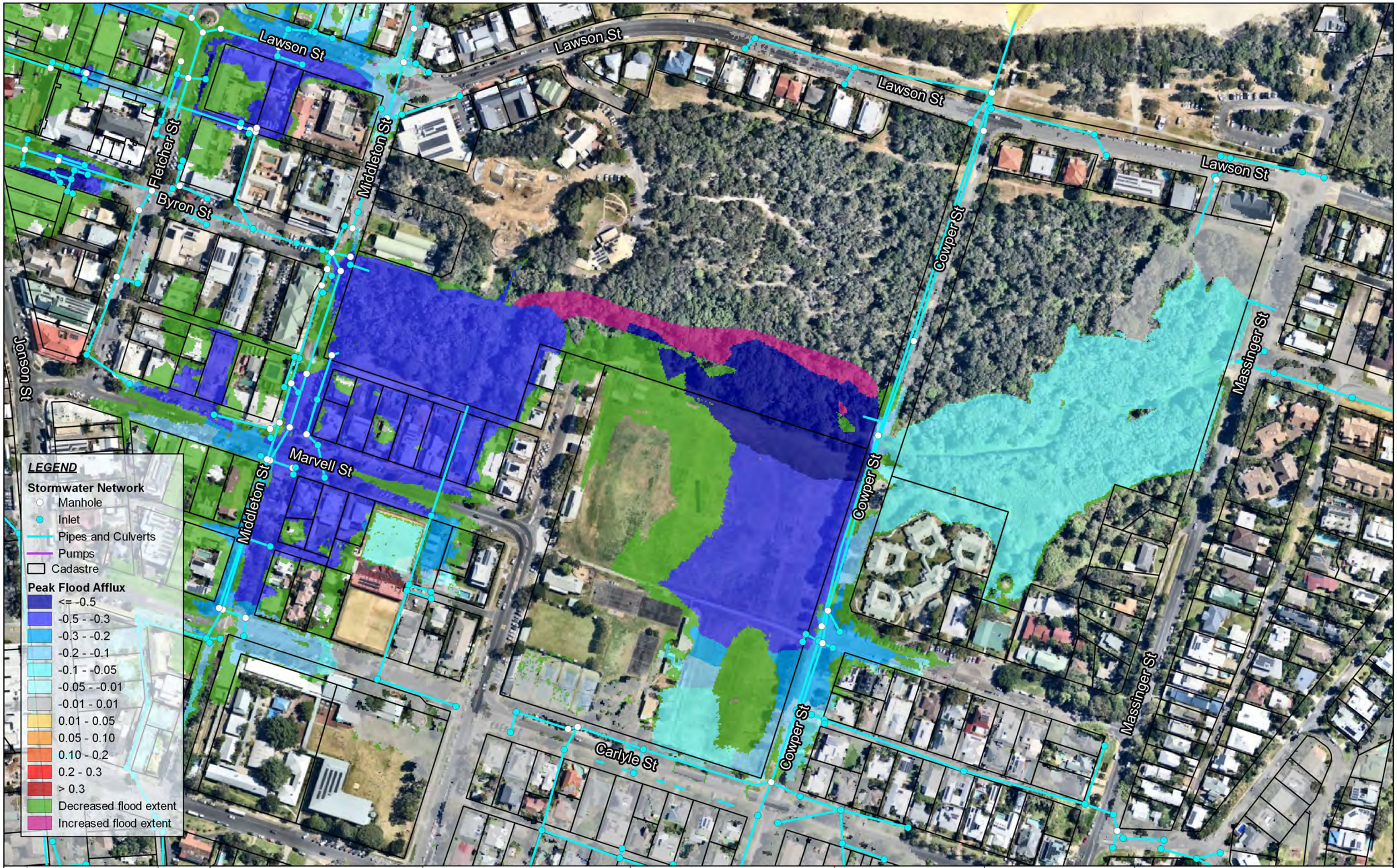
Appendix G - 017

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Alternate Upgrade Scenario (10% AEP Levee)
10% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz



R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

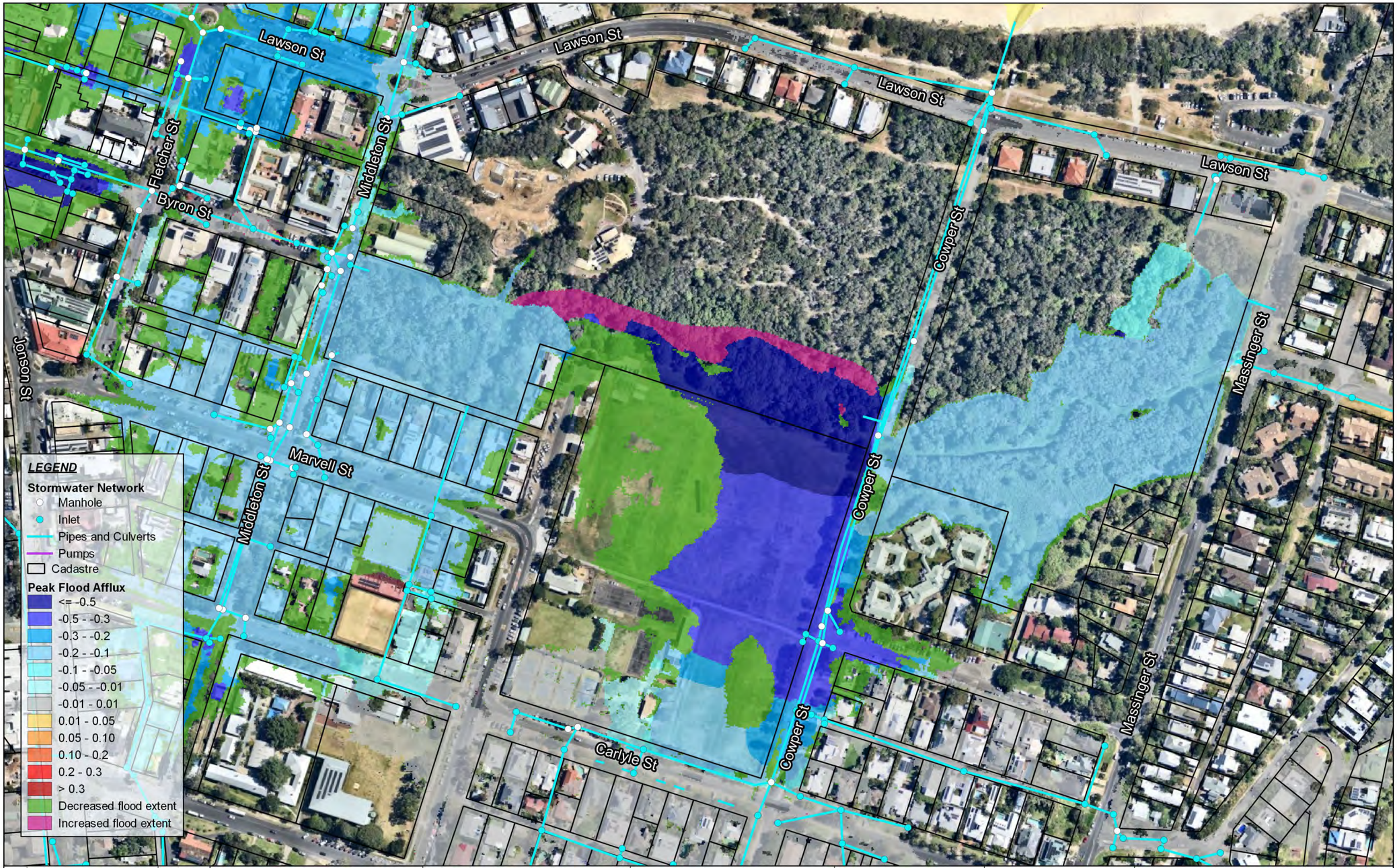
Appendix G - 018

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Alternate Upgrade Scenario (10% AEP Levee)
5% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz



R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

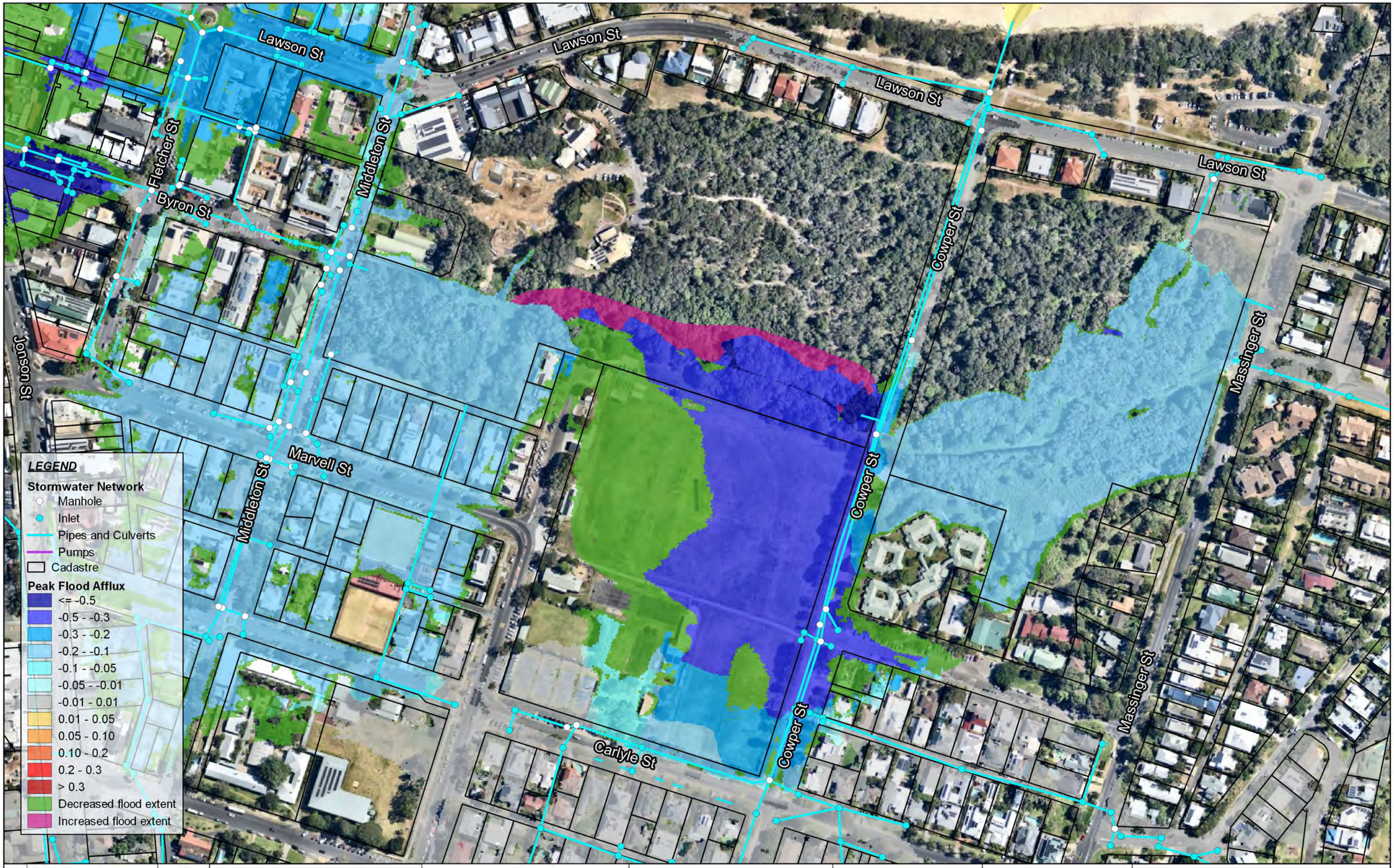
Appendix G - 019

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Alternate Upgrade Scenario (10% AEP Levee)
2% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz



R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 020

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Alternate Upgrade Scenario (10% AEP Levee)
1% AEP Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz

Lawson St
Lawson St
Lawson St
Lawson St
Fletcher St
Middleton St
Byron St
Cowper St
Jonson St
Massinger St
Marvell St
Middleton St
Cowper St
Cowper St
Carlyle St
Massinger St

LEGEND

Stormwater Network
- Manhole
- Inlet
- Pipes and Culverts
- Pumps
- Cadastre

Peak Flood Afflux
- <= -0.5
- -0.5 - -0.3
- -0.3 - -0.2
- -0.2 - -0.1
- -0.1 - -0.05
- -0.05 - -0.01
- -0.01 - 0.01
- 0.01 - 0.05
- 0.05 - 0.10
- 0.10 - 0.2
- 0.2 - 0.3
- > 0.3
- Decreased flood extent
- Increased flood extent

R	DETAILS	DATE
0	Concept Design Issue	26-09-2023

DRAWN	LN	CHECKED	JH
APPROVED	TR	DATE	26-09-2023

NOTES:

N

0 60 120 m

SCALE @ A3 - 1:2,500
GDA2020 / MGA zone 56

DISCLAIMER
Engeny has endeavoured to ensure accuracy and completeness of the data. Engeny assumes no legal liability or responsibility for any decisions or actions resulting from the information contained within this map.

DATA SOURCE
QLD Government Open Data Source

ENGENY

Byron Shire Council

Appendix G - 021

Byron Bay Drainage Concept Design
Byron Shire Council

Cowper St
Alternate Upgrade Scenario (10% AEP Levee)
1% Envelope Flood Level Afflux

Drg Ref.
QC2003_002-SKE-06

Q:\Projects\QC2003 Byron SC\QC2003_002 *BB Drainage\05 Design\QGIS\Workspaces\QC2003_002-WOR-004-A-Figures and Appendices_LN.qgz