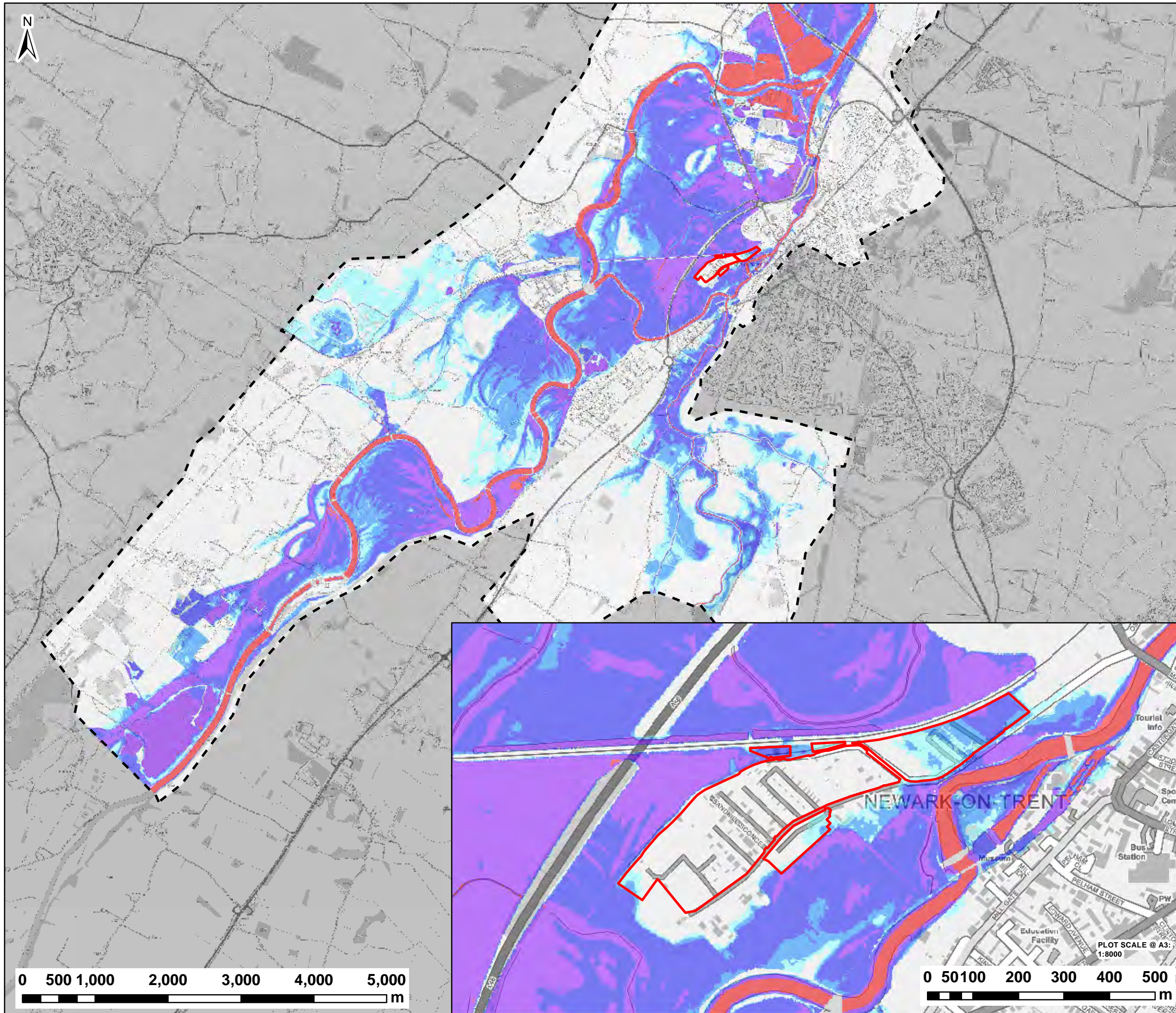


## Appendix F Flood Mapping

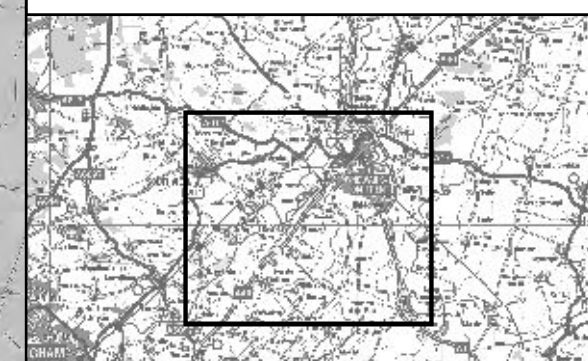
### **Existing Site Layout (EXG) Flood Mapping**





NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Maximum Flood Depth (m)**
  - 0 - 0.3
  - 0.3 - 0.6
  - 0.6 - 1.2
  - 1.2 - 2.4
  - > 2.4



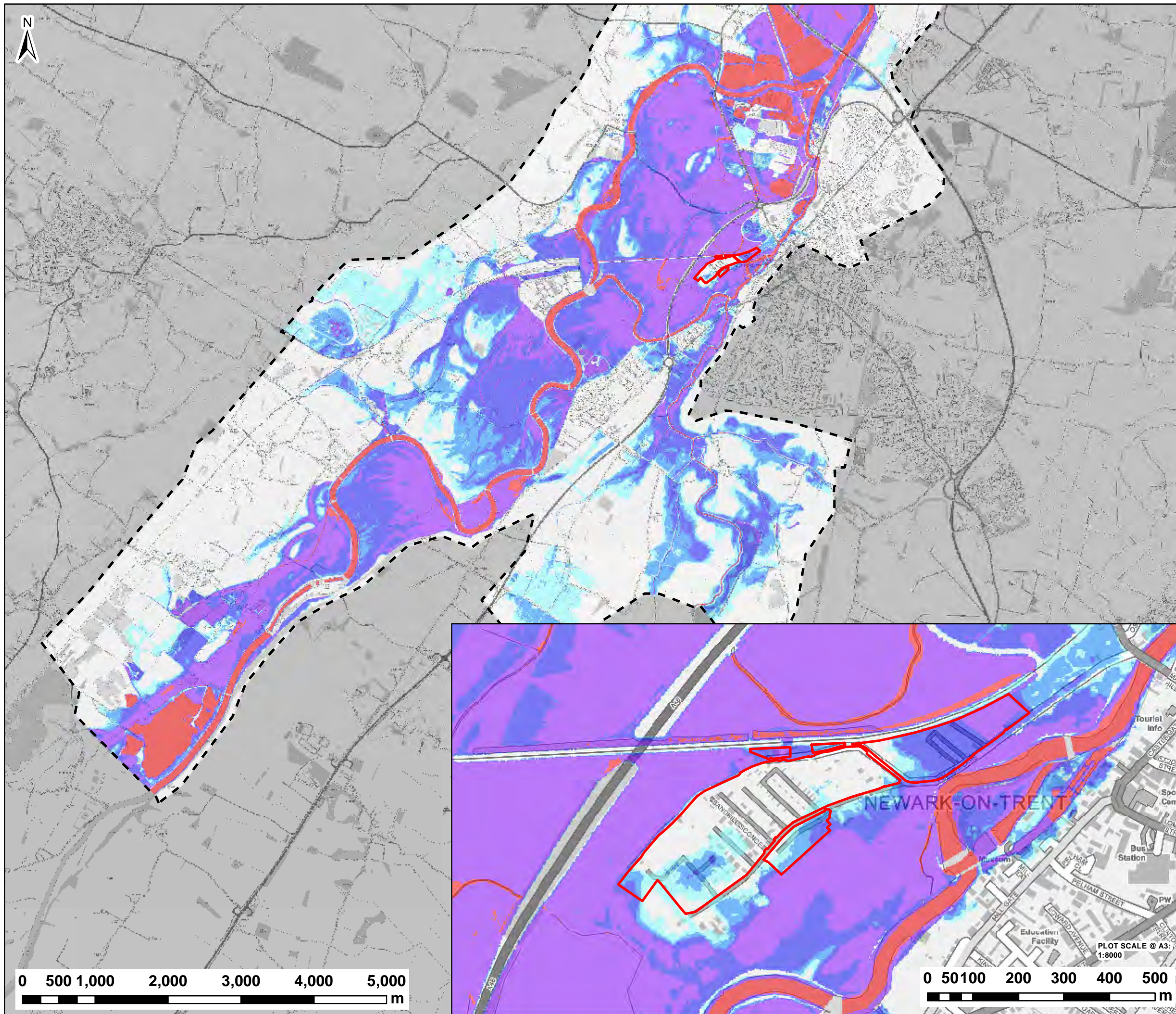
CLIENT: 

  
[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **MAXIMUM FLOOD DEPTH  
5% AEP FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS**

PLOT STATUS: <b>FINAL</b>			DATE: 24/04/2019
DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
PLOT NAME: w3375-Q20_EXG_NFC_D			REV: -



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

#### LEGEND

Site Location

2D Model Extent

#### Maximum Flood Depth (m)

0 - 0.3  
 0.3 - 0.6  
 0.6 - 1.2  
 1.2 - 2.4  
 > 2.4



CLIENT:



[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME:

**TOLNEY LANE,  
NEWARK**

PLOT TITLE:

**MAXIMUM FLOOD DEPTH  
1% AEP FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS**

PLOT STATUS:

**FINAL**

DATE:

24/04/2019

DRAWN:

CM

CHECKED:

RC

APPROVED:

LS

PLOT SCALE @ A3:

1:50,000

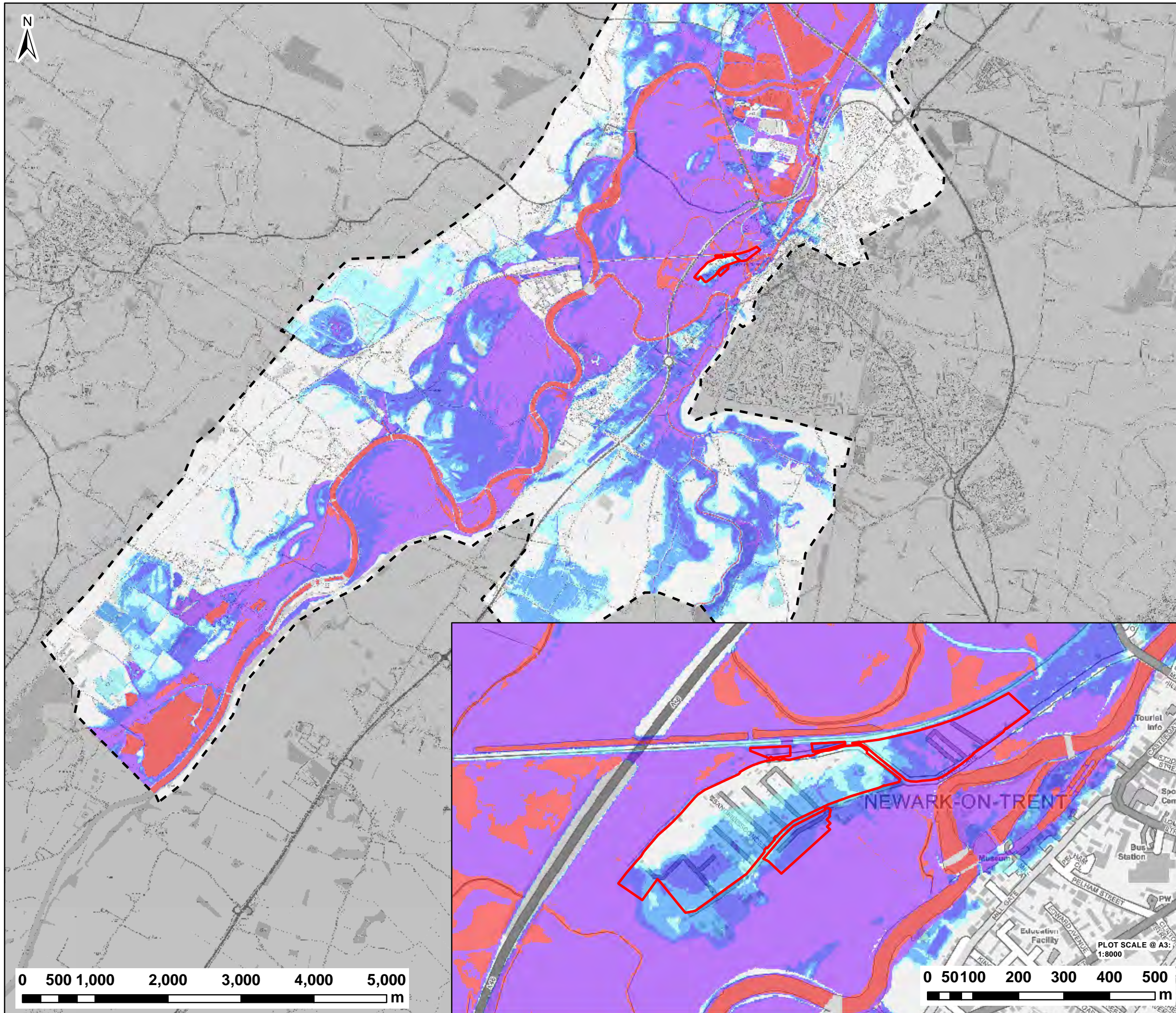
(UNLESS STATED OTHERWISE)

PLOT NAME:

w3375-Q100\_EXG\_NFC\_D

REV:

-



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

Site Location

2D Model Extent

**Maximum Flood Depth (m)**

0 - 0.3

0.3 - 0.6

0.6 - 1.2

1.2 - 2.4

> 2.4

CLIENT:

**Wyg**

**Waterco**

[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME:

**TOLNEY LANE, NEWARK**

PLOT TITLE:

**MAXIMUM FLOOD DEPTH**  
1% AEP (+30%CC) FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS

PLOT STATUS:

**FINAL**

DATE:

24/04/2019

DRAWN: CM

CHECKED: RC

APPROVED: LS

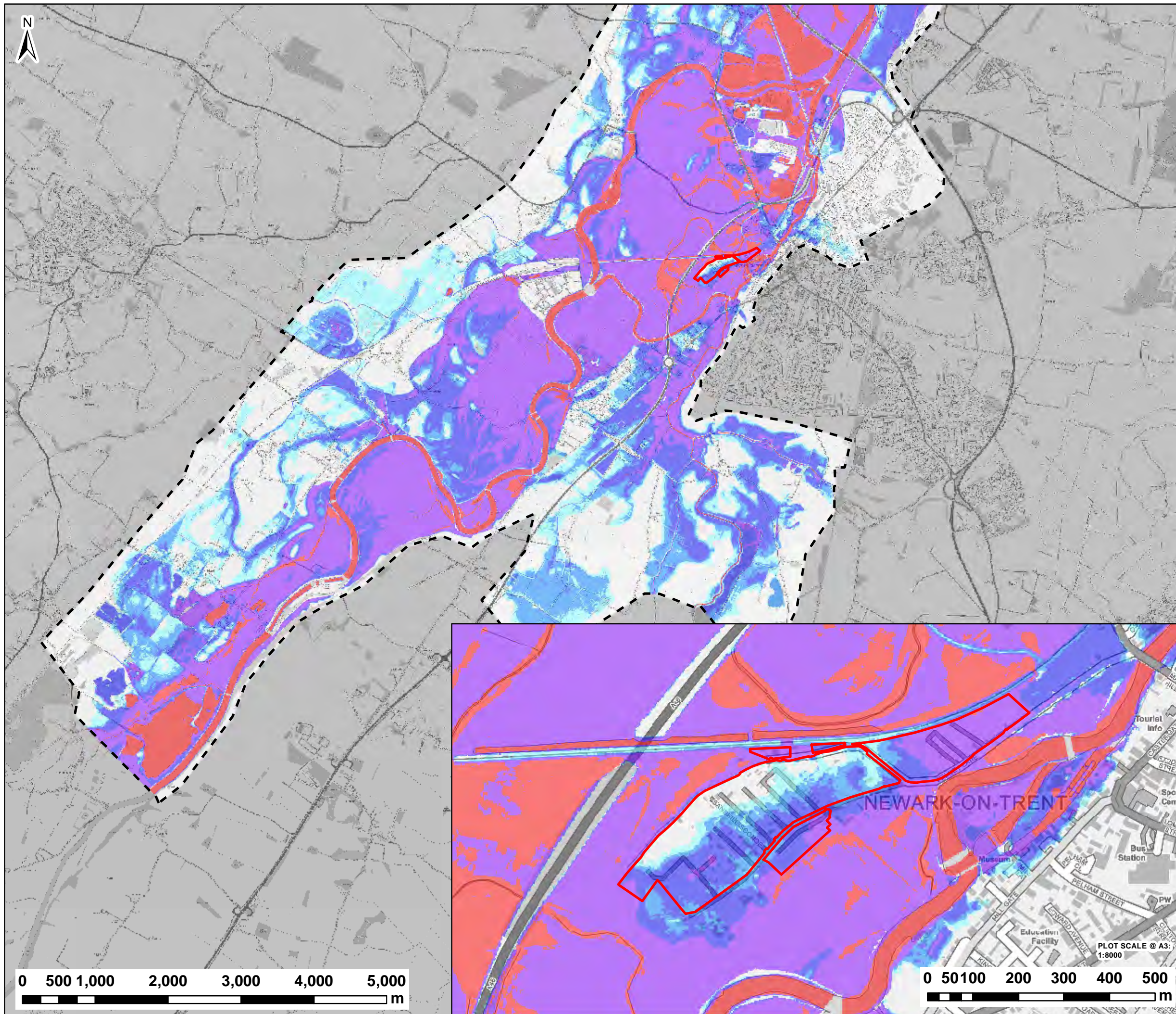
PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME:

w3375-Q100CC1\_EXG\_NFC\_D

REV:

-



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

Site Location

2D Model Extent

**Maximum Flood Depth (m)**

- 0 - 0.3
- 0.3 - 0.6
- 0.6 - 1.2
- 1.2 - 2.4
- > 2.4

CLIENT:

**Wyg**

**Waterco**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

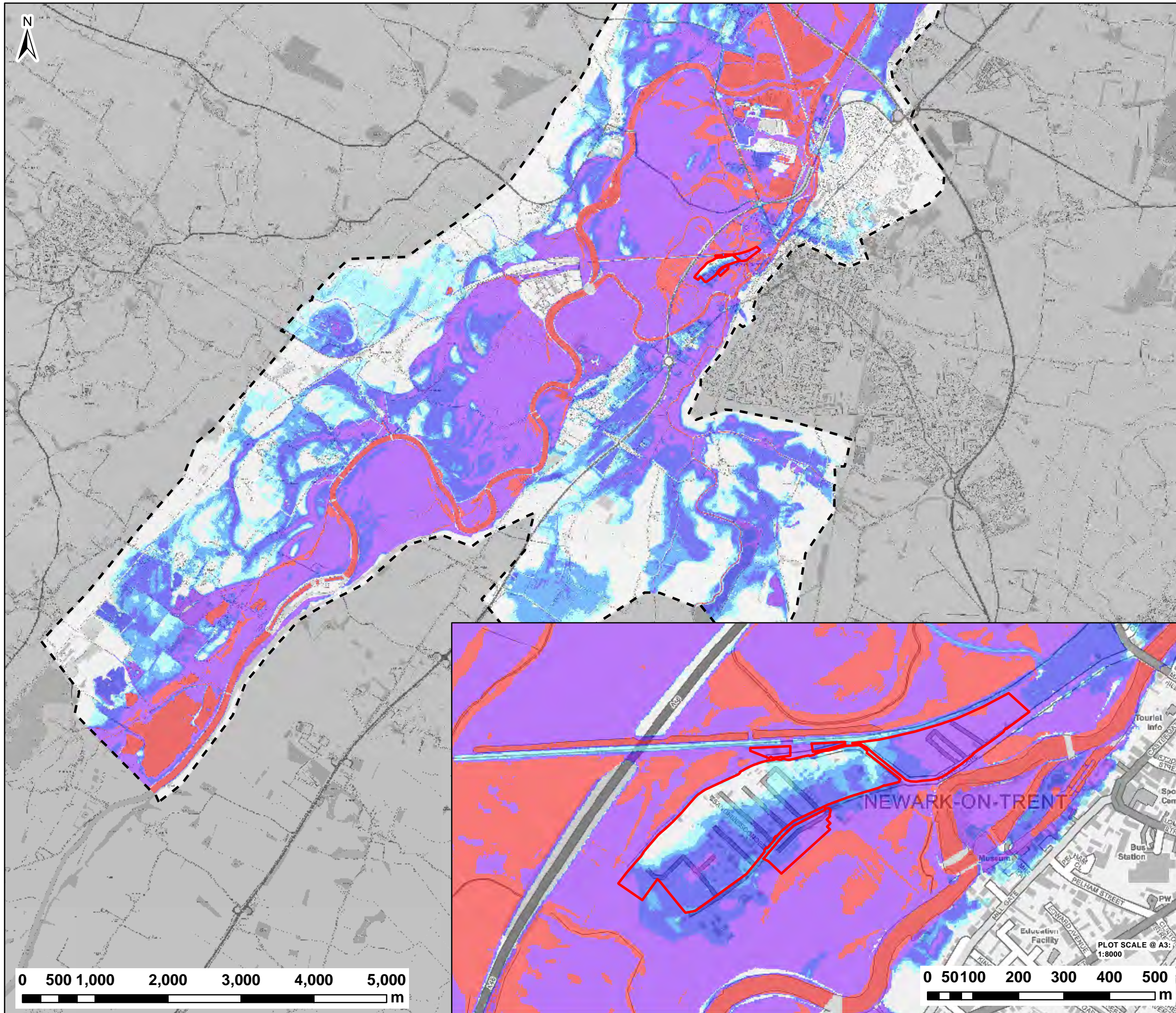
PLOT TITLE:

**MAXIMUM FLOOD DEPTH  
1% AEP (+50%CC) FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 24/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q100CC2\_EXG\_NFC\_D REV: -



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

Site Location

2D Model Extent

**Maximum Flood Depth (m)**

- 0 - 0.3
- 0.3 - 0.6
- 0.6 - 1.2
- 1.2 - 2.4
- > 2.4

CLIENT:

**Wyg**

**Waterco**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

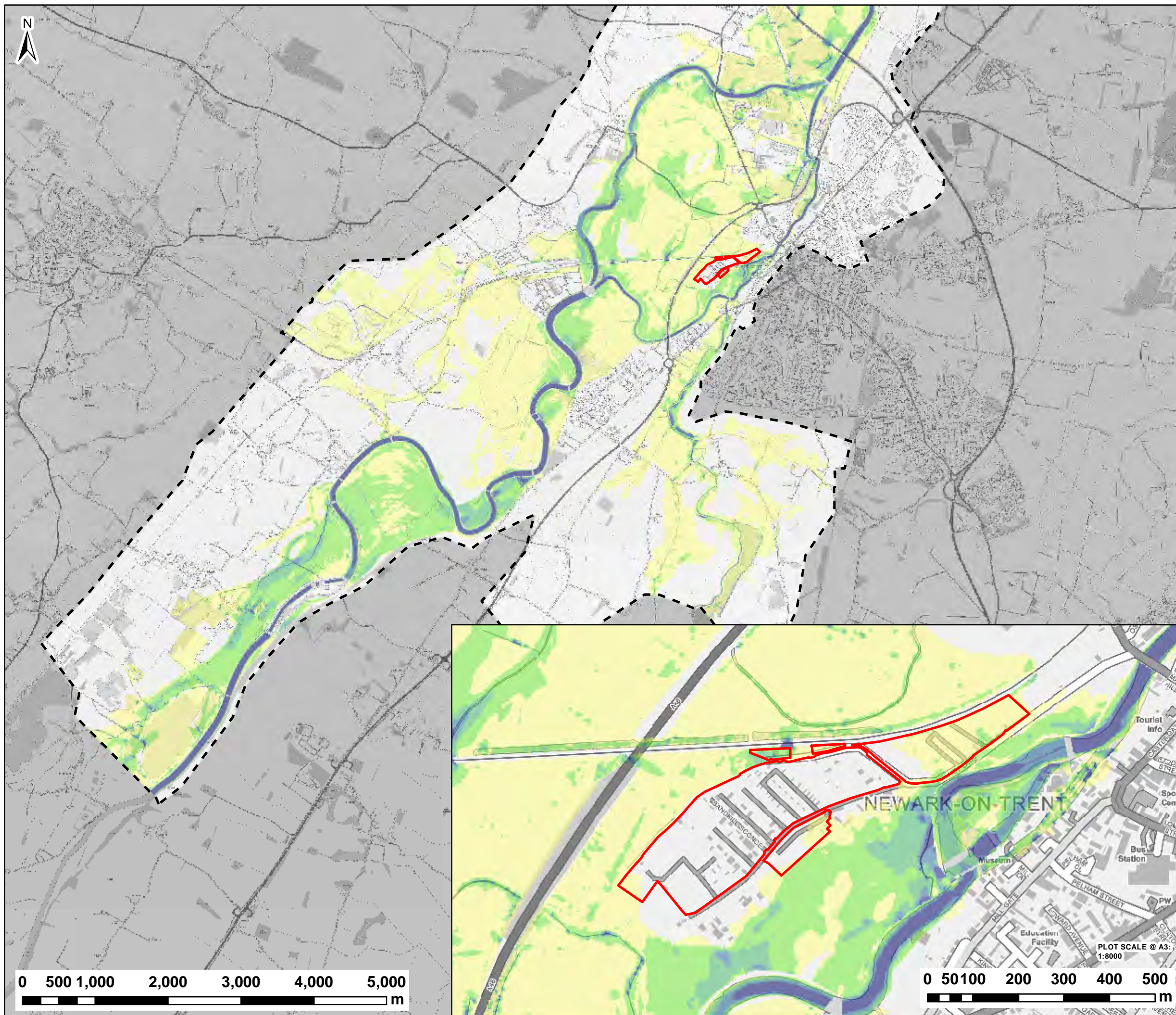
PLOT TITLE:

**MAXIMUM FLOOD DEPTH  
0.1% AEP FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 24/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q1000\_EXG\_NFC\_D REV: -



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

Site Location

2D Model Extent

**Maximum Velocity (m/s)**

0.0 - 0.3

0.3 - 0.6

0.6 - 0.9

0.9 - 1.2

> 1.2

CLIENT:

**Wyg**

**Waterco**

[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME:

**TOLNEY LANE, NEWARK**

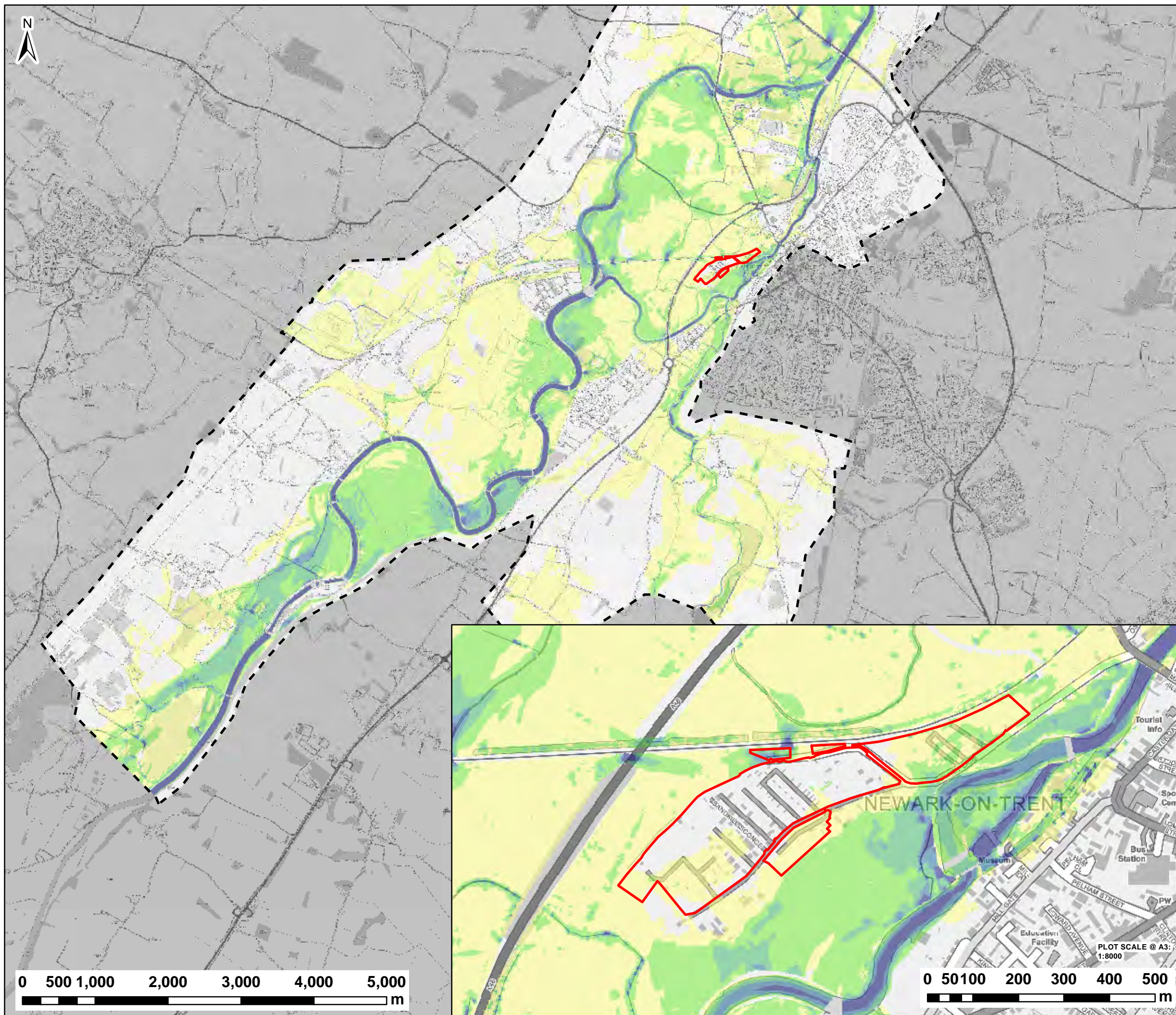
PLOT TITLE:

**MAXIMUM VELOCITY**  
5% AEP FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS

PLOT STATUS: **FINAL** DATE: 24/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q20\_EXG\_NFC\_V REV: -



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

Site Location

2D Model Extent

**Maximum Velocity (m/s)**

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

**CLIENT:**

**waterco**  
www.waterco.co.uk

**SCHEME:**

**TOLNEY LANE, NEWARK**

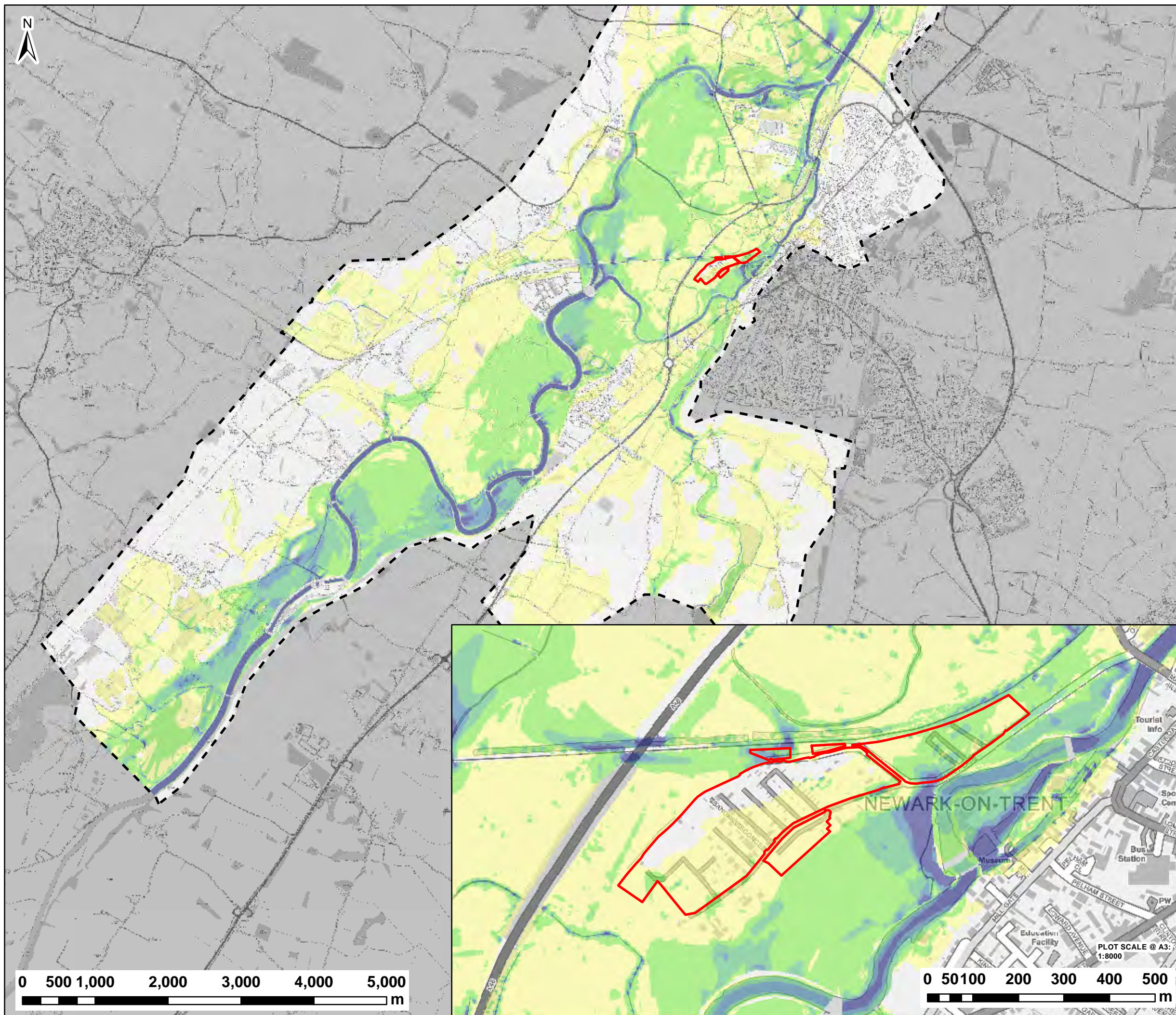
**PLOT TITLE:**

**MAXIMUM VELOCITY**  
1% AEP FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS

**PLOT STATUS:** **FINAL** **DATE:** 24/04/2019

**DRAWN:** CM **CHECKED:** RC **APPROVED:** LS **PLOT SCALE @ A3:** 1:50,000 (UNLESS STATED OTHERWISE)

**PLOT NAME:** w3375-Q100\_EXG\_NFC\_V **REV:** -



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

Site Location

2D Model Extent

**Maximum Velocity (m/s)**

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT:

**Wyg**

**Waterco**

[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME:

**TOLNEY LANE, NEWARK**

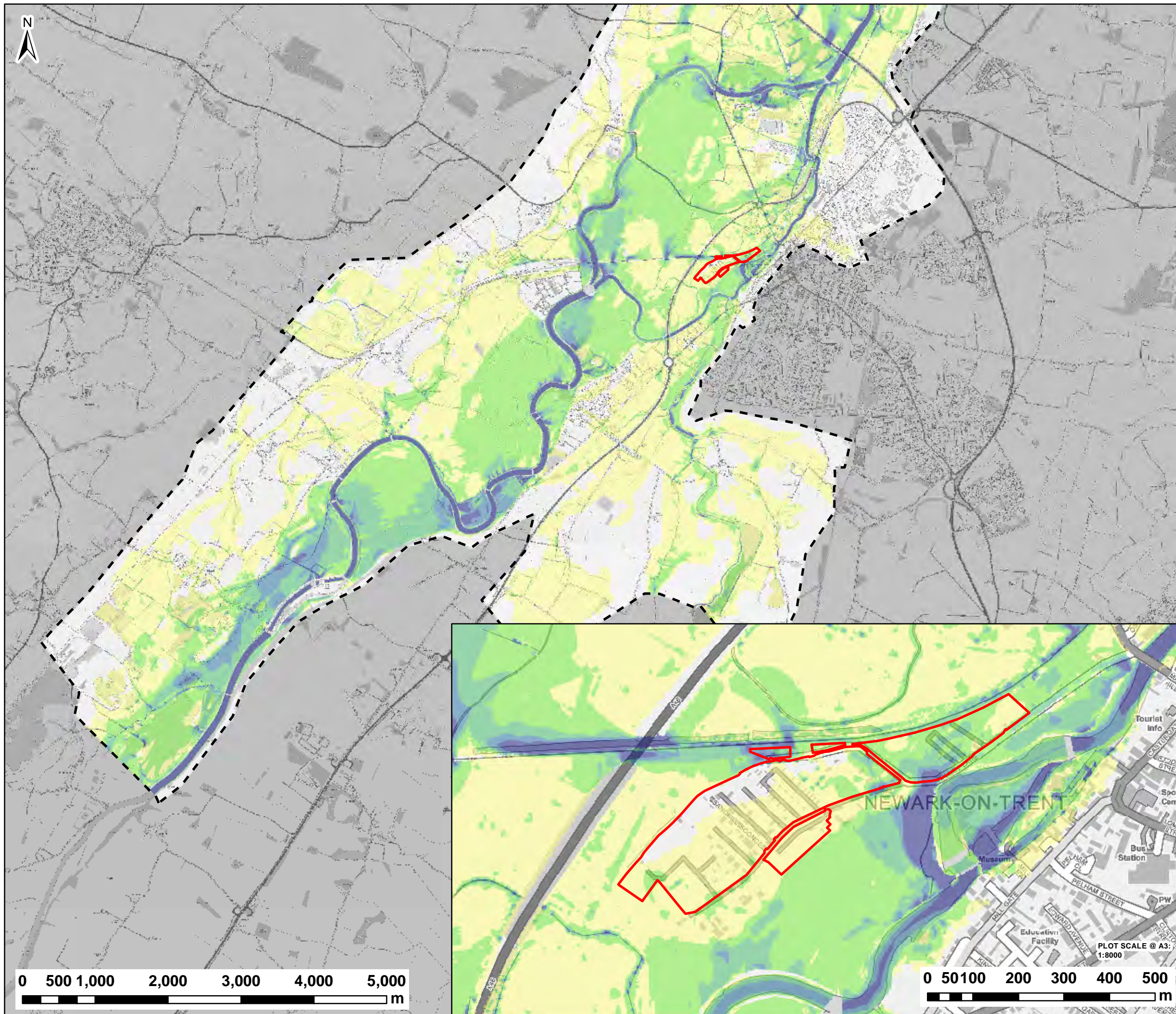
PLOT TITLE:

**MAXIMUM VELOCITY**  
1% AEP (+30%CC) FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS

PLOT STATUS: **FINAL** DATE: 24/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q100CC1\_EXG\_NFC\_V REV: -



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

Site Location

2D Model Extent

**Maximum Velocity (m/s)**

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

**CLIENT:**

**SCHEME:**

**TOLNEY LANE, NEWARK**

**PLOT TITLE:**

**MAXIMUM VELOCITY**  
1% AEP (+50%CC) FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS

**PLOT STATUS:**

**FINAL**

**DATE:**

24/04/2019

**DRAWN:**

CM

**CHECKED:**

RC

**APPROVED:**

LS

**PLOT SCALE @ A3:**

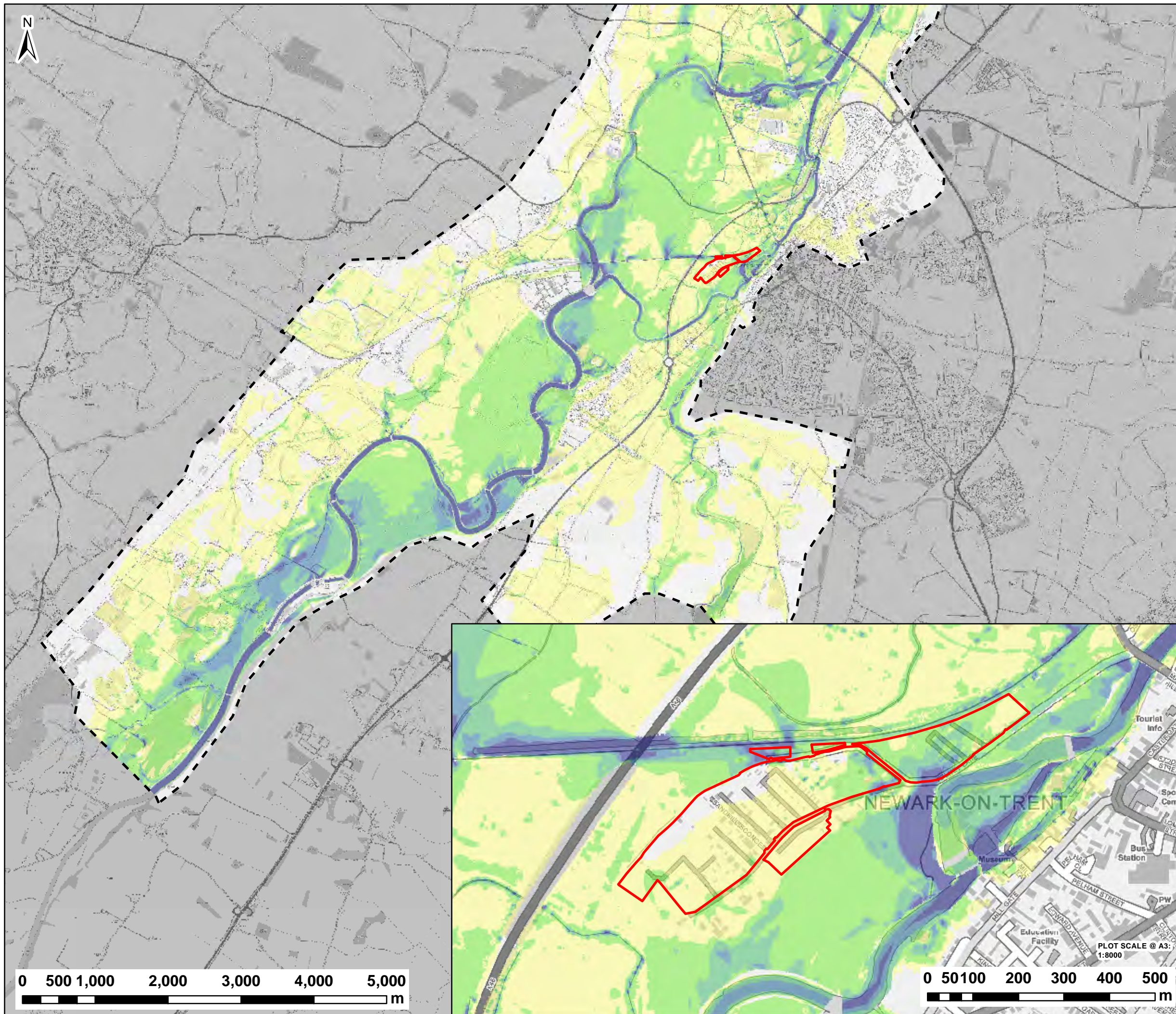
1:50,000  
(UNLESS STATED OTHERWISE)

**PLOT NAME:**

w3375-Q100CC2\_EXG\_NFC\_V

**REV:**

-



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

Site Location

2D Model Extent

**Maximum Velocity (m/s)**

	0.0 - 0.3
	0.3 - 0.6
	0.6 - 0.9
	0.9 - 1.2
	> 1.2

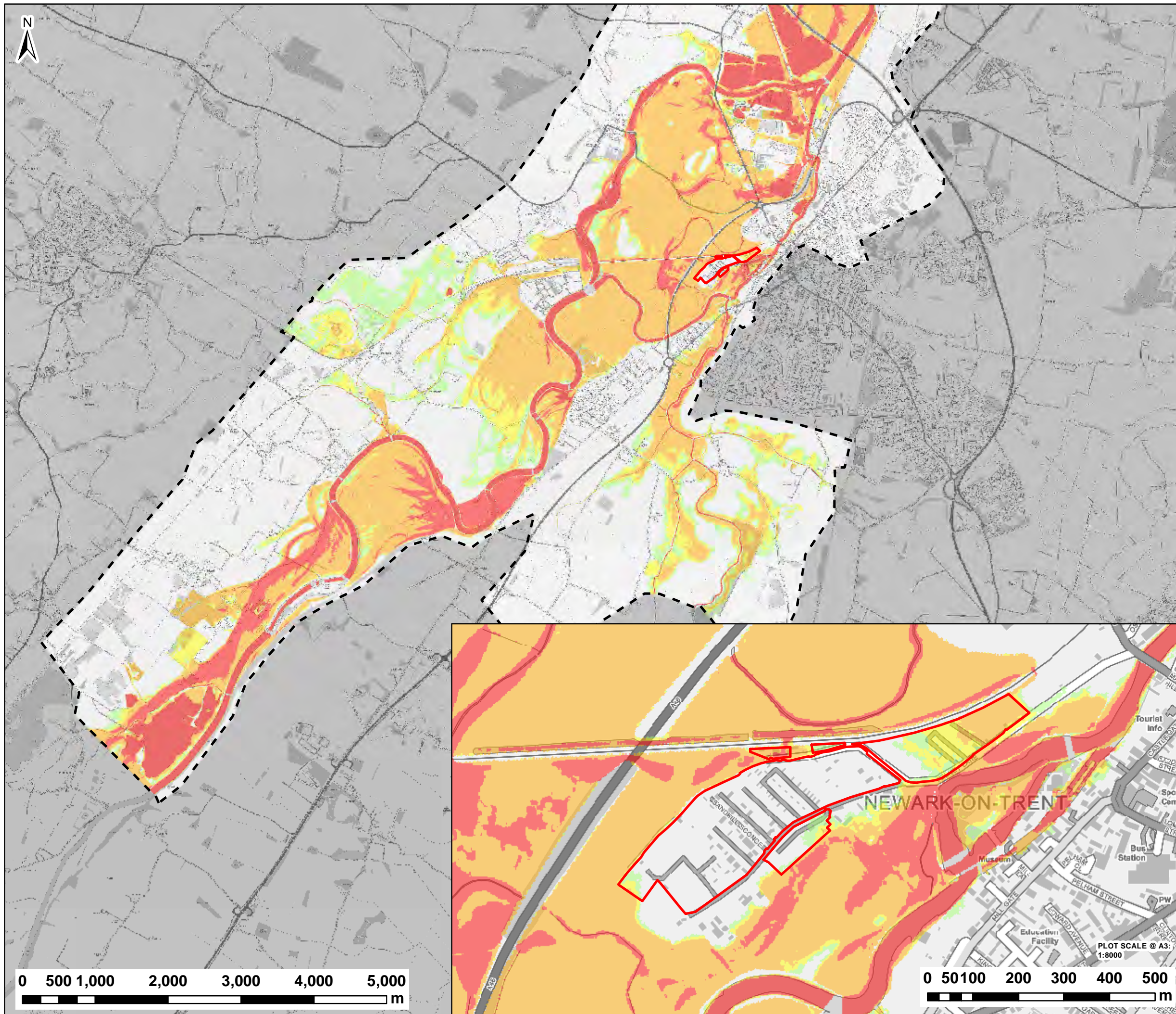
CLIENT:

www.waterco.co.uk

SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **MAXIMUM VELOCITY  
0.1% AEP FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS**

PLOT STATUS: <b>FINAL</b>			DATE: 24/04/2019
DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
PLOT NAME: w3375-Q1000_EXG_NFC_V			REV: -



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Maximum Flood Hazard Rating (FD2320)**
  - < 0.75 (Caution)
  - 0.75 - 1.25 (Danger for Some)
  - 1.25 - 2 (Danger for Most)
  - > 2.0 (Danger for All)

**CLIENT:**

**SCHEME:**

**PLOT TITLE:**

**PLOT STATUS:**

**DATE:**

**DRAWN:**

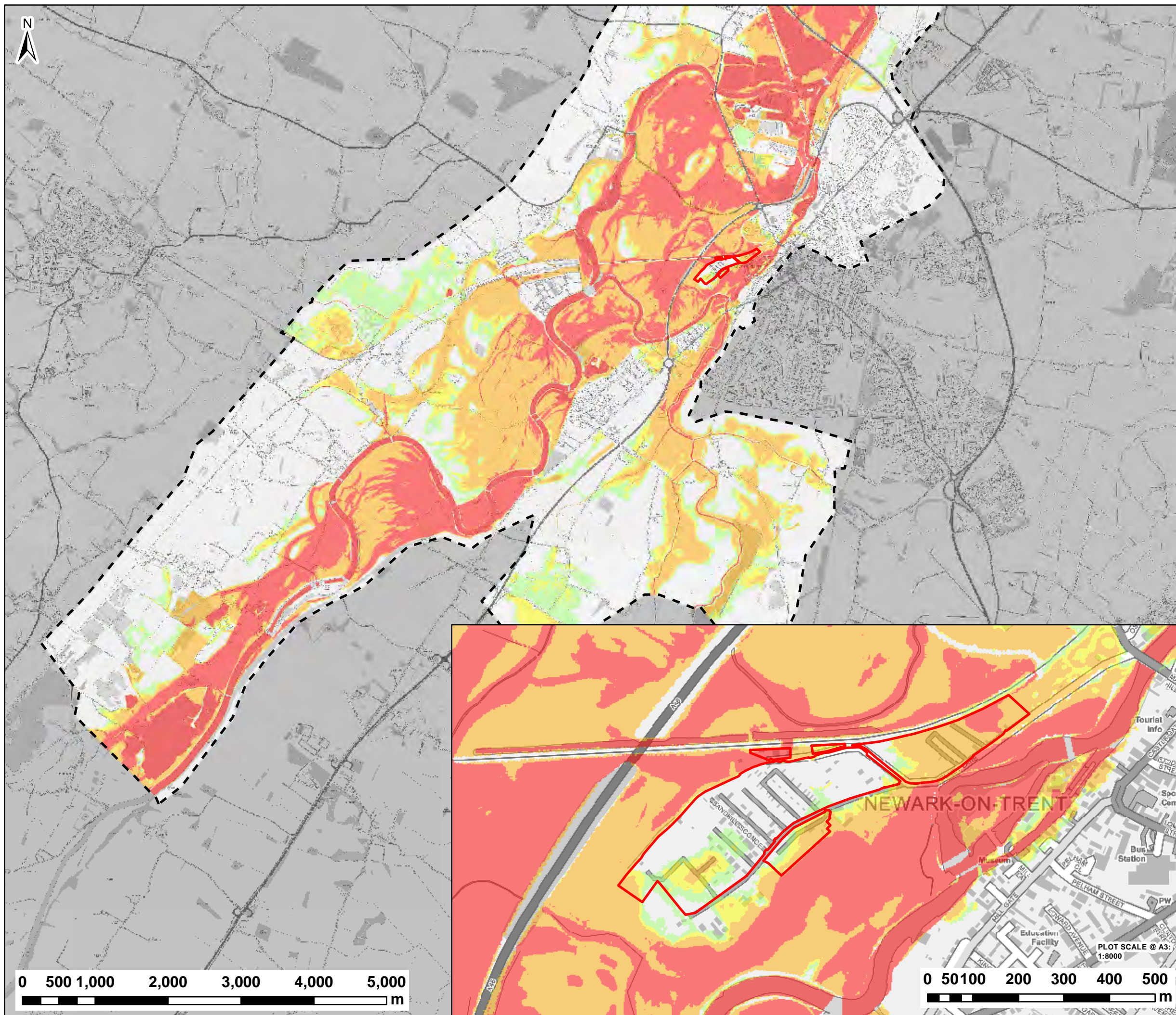
**CHECKED:**

**APPROVED:**

**PLOT SCALE @ A3:**

**PLOT NAME:**

**REV:**





NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Maximum Flood Hazard Rating (FD2320)**
  - < 0.75 (Caution)
  - 0.75 - 1.25 (Danger for Some)
  - 1.25 - 2 (Danger for Most)
  - > 2.0 (Danger for All)

CLIENT:



  
[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME:

**TOLNEY LANE, NEWARK**

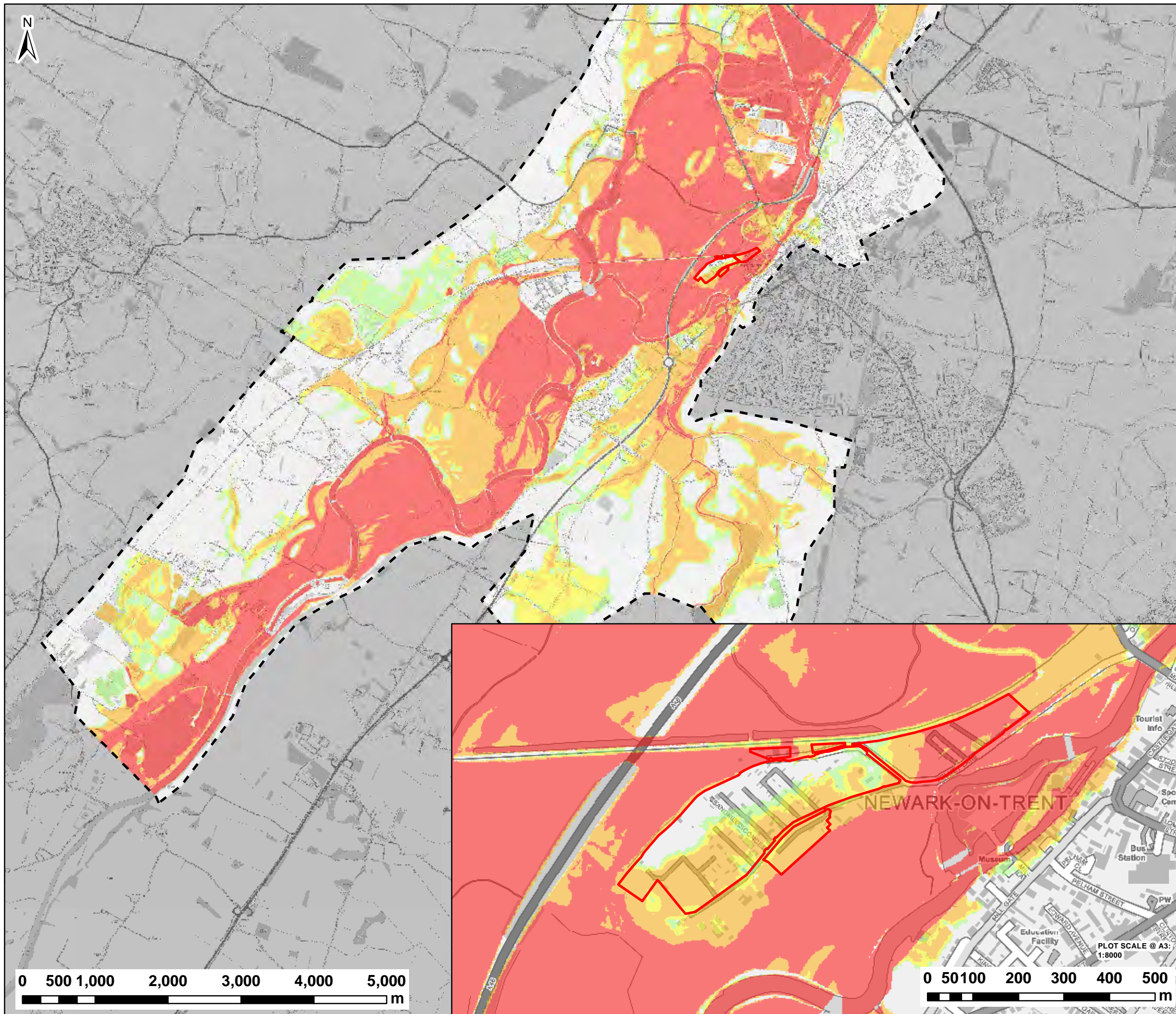
PLOT TITLE:

**FLOOD HAZARD RATING**  
1% AEP FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS

PLOT STATUS: **FINAL** DATE: 24/04/2019

DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
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PLOT NAME: w3375-Q100\_EXG\_NFC\_HZ REV: -




NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Maximum Flood Hazard Rating (FD2320)**
  - < 0.75 (Caution)
  - 0.75 - 1.25 (Danger for Some)
  - 1.25 - 2 (Danger for Most)
  - > 2.0 (Danger for All)

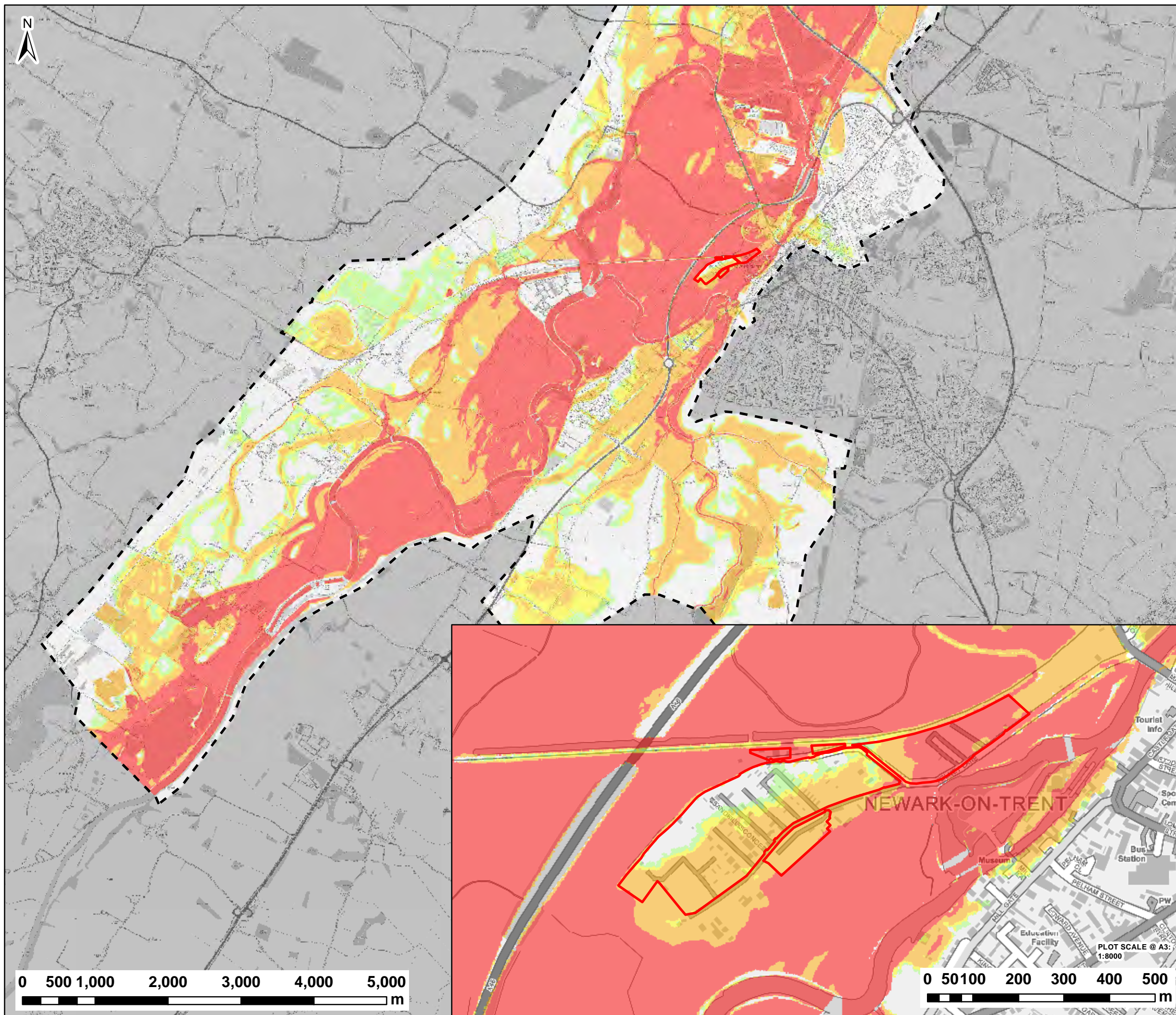
CLIENT: 

  
www.waterco.co.uk

SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **FLOOD HAZARD RATING**  
1% AEP (+30%CC) FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS

PLOT STATUS: <b>FINAL</b>			DATE: 24/04/2019
DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
PLOT NAME: w3375-Q100CC1_EXG_NFC_HZ			REV: -



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Maximum Flood Hazard Rating (FD2320)**
  - < 0.75 (Caution)
  - 0.75 - 1.25 (Danger for Some)
  - 1.25 - 2 (Danger for Most)
  - > 2.0 (Danger for All)

**CLIENT:**

**SCHEME:**

**PLOT TITLE:**

**PLOT STATUS:**

**DATE:**

**DRAWN:**

**CHECKED:**

**APPROVED:**

**PLOT SCALE @ A3:**

**PLOT NAME:**

**REV:**

**Waterco**  
www.waterco.co.uk

**TOLNEY LANE, NEWARK**

**FLOOD HAZARD RATING**  
1% AEP (+50%CC) FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS

**FINAL**

**24/04/2019**

**CM**

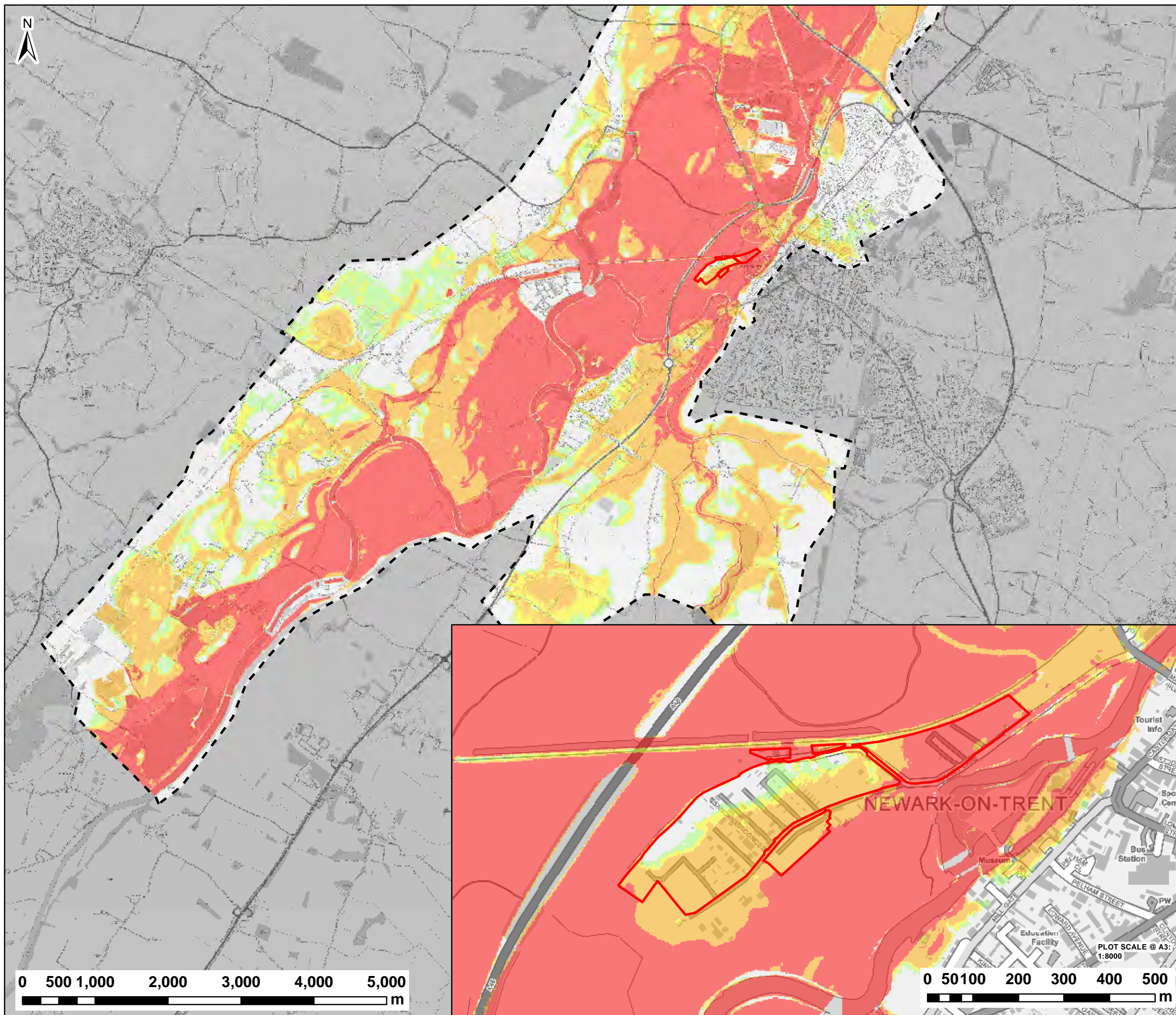
**RC**

**LS**

**1:50,000**  
(UNLESS STATED OTHERWISE)

**w3375-Q100CC2\_EXG\_NFC\_HZ**

**-**





**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Maximum Flood Hazard Rating (FD2320)**
  - < 0.75 (Caution)
  - 0.75 - 1.25 (Danger for Some)
  - 1.25 - 2 (Danger for Most)
  - > 2.0 (Danger for All)

**CLIENT:**



  
[www.waterco.co.uk](http://www.waterco.co.uk)

**SCHEME:**

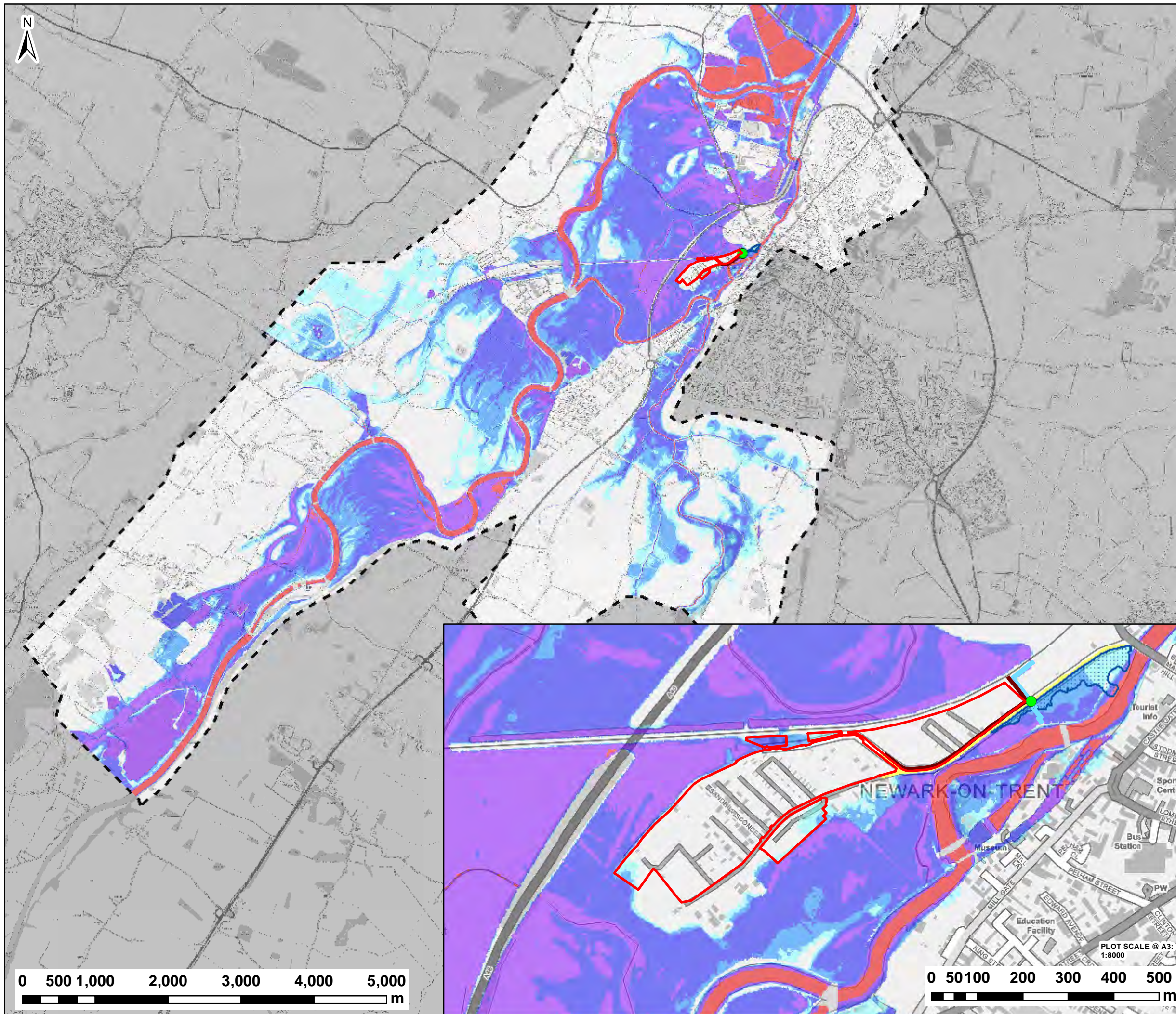
**TOLNEY LANE, NEWARK**

**PLOT TITLE:**

**FLOOD HAZARD RATING**  
0.1% AEP FLUVIAL EVENT  
EXISTING SITE LAYOUT  
NORMAL FLOW CONDITIONS

<b>PLOT STATUS:</b>			<b>DATE:</b>
FINAL			24/04/2019
<b>DRAWN:</b>	<b>CHECKED:</b>	<b>APPROVED:</b>	<b>PLOT SCALE @ A3:</b>
CM	RC	LS	1:50,000 (UNLESS STATED OTHERWISE)
<b>PLOT NAME:</b>			<b>REV:</b>
w3375-Q1000_EXG_NFC_HZ			-

### **FAS Option 1 (OPT1) Flood Mapping**



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Flood Depth (m)**

- 0 - 0.3
- 0.3 - 0.6
- 0.6 - 1.2
- 1.2 - 2.4
- > 2.4

CLIENT:

**WATERCO**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

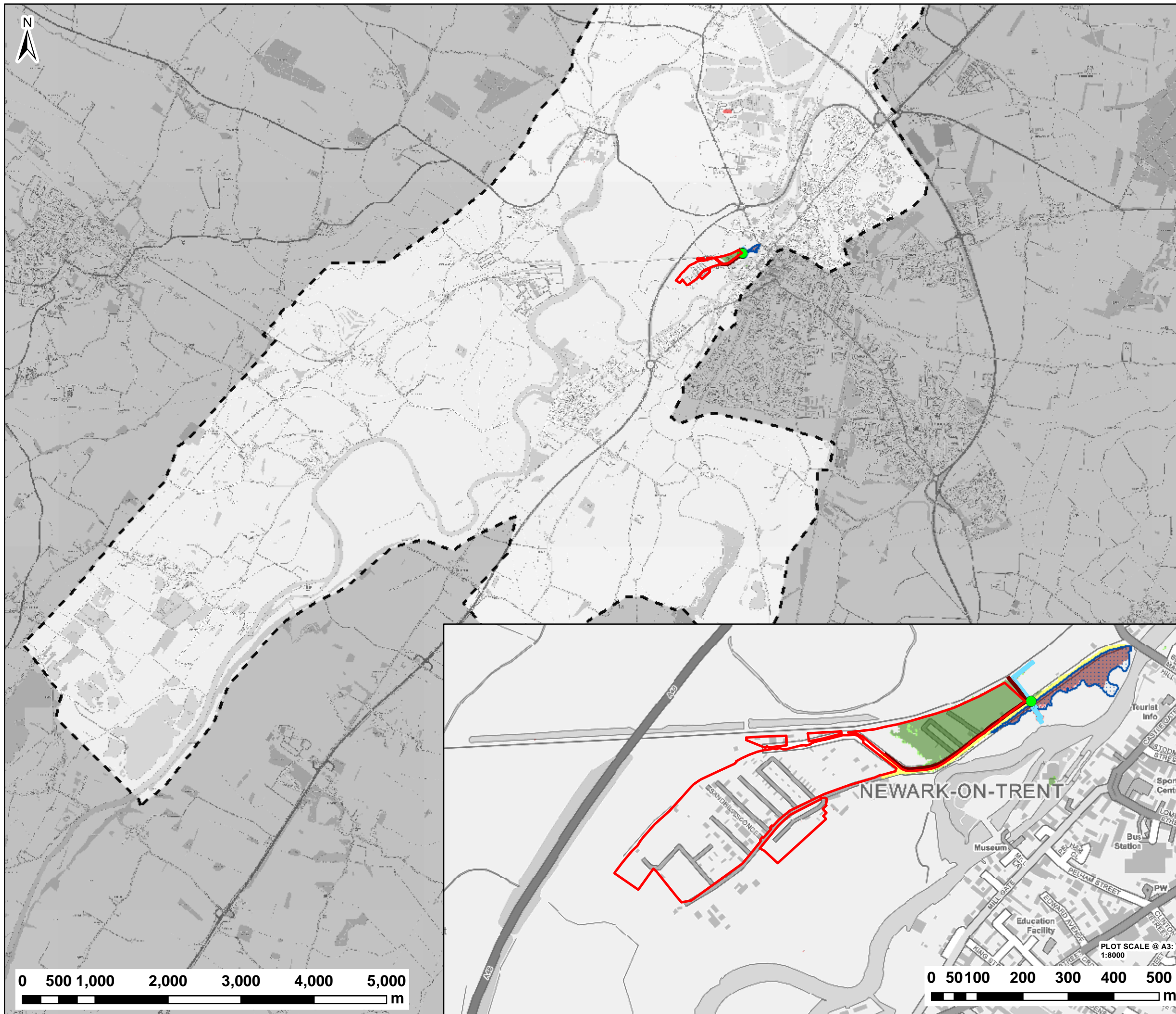
PLOT TITLE:

**MAXIMUM FLOOD DEPTH  
5% AEP FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q20\_OPT1\_NFC\_D REV: -




NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE


**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Depth Variation**

- > +100mm
- +50mm to +100mm
- +20mm to +50mm
- No Change (+/-20mm)
- 20mm to -50mm
- 50mm to -100mm
- > -100mm

CLIENT: 

  
www.waterco.co.uk

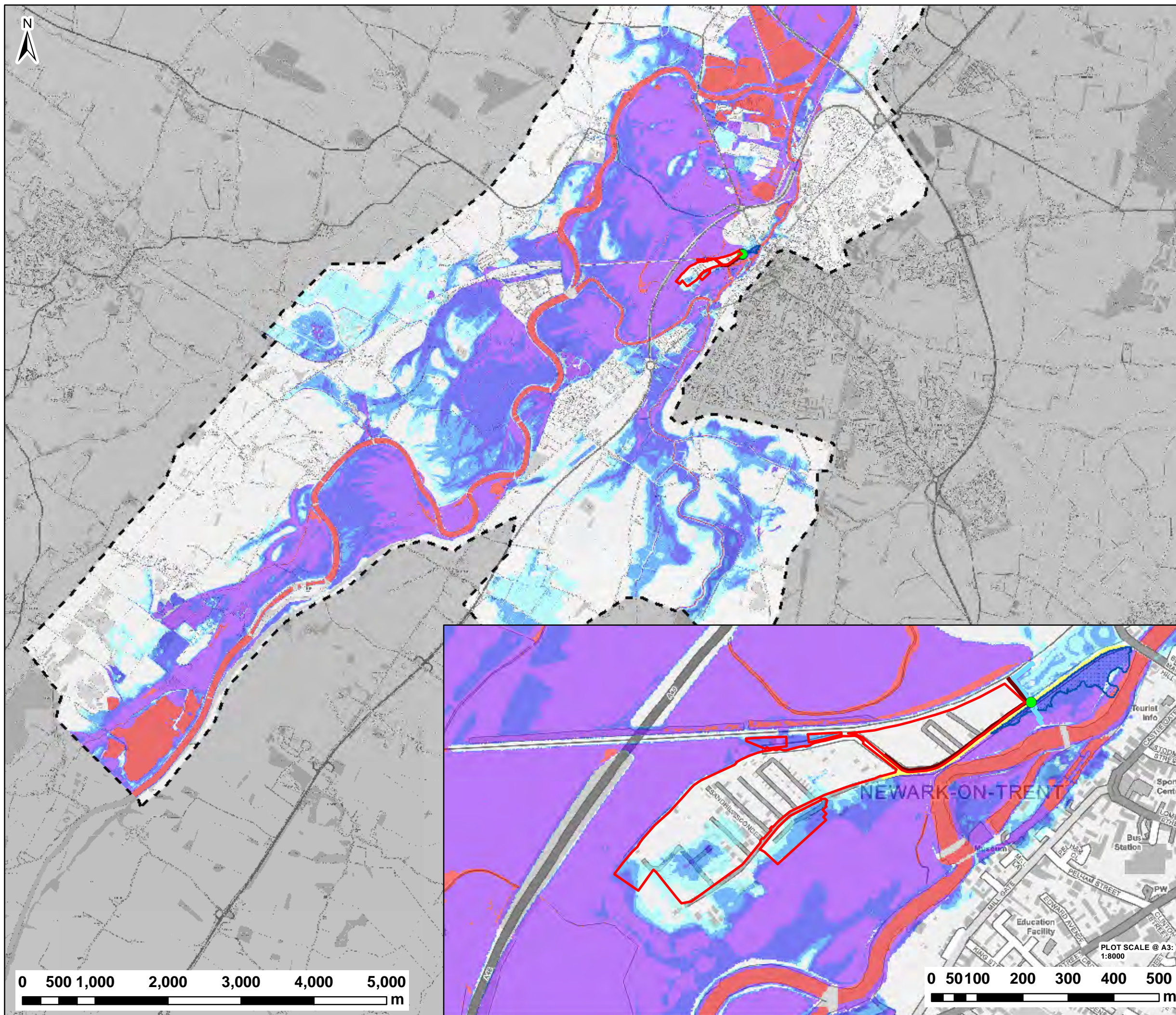
SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **DEPTH DIFFERENCE  
5% AEP FLUVIAL EVENT  
OPT1-EXG  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
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PLOT NAME: w3375-Q20\_OPT1-EXG\_NFC\_D\_DIFF REV: -




NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE


**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Flood Depth (m)**

- 0 - 0.3
- 0.3 - 0.6
- 0.6 - 1.2
- 1.2 - 2.4
- > 2.4

CLIENT: 

  
[www.waterco.co.uk](http://www.waterco.co.uk)

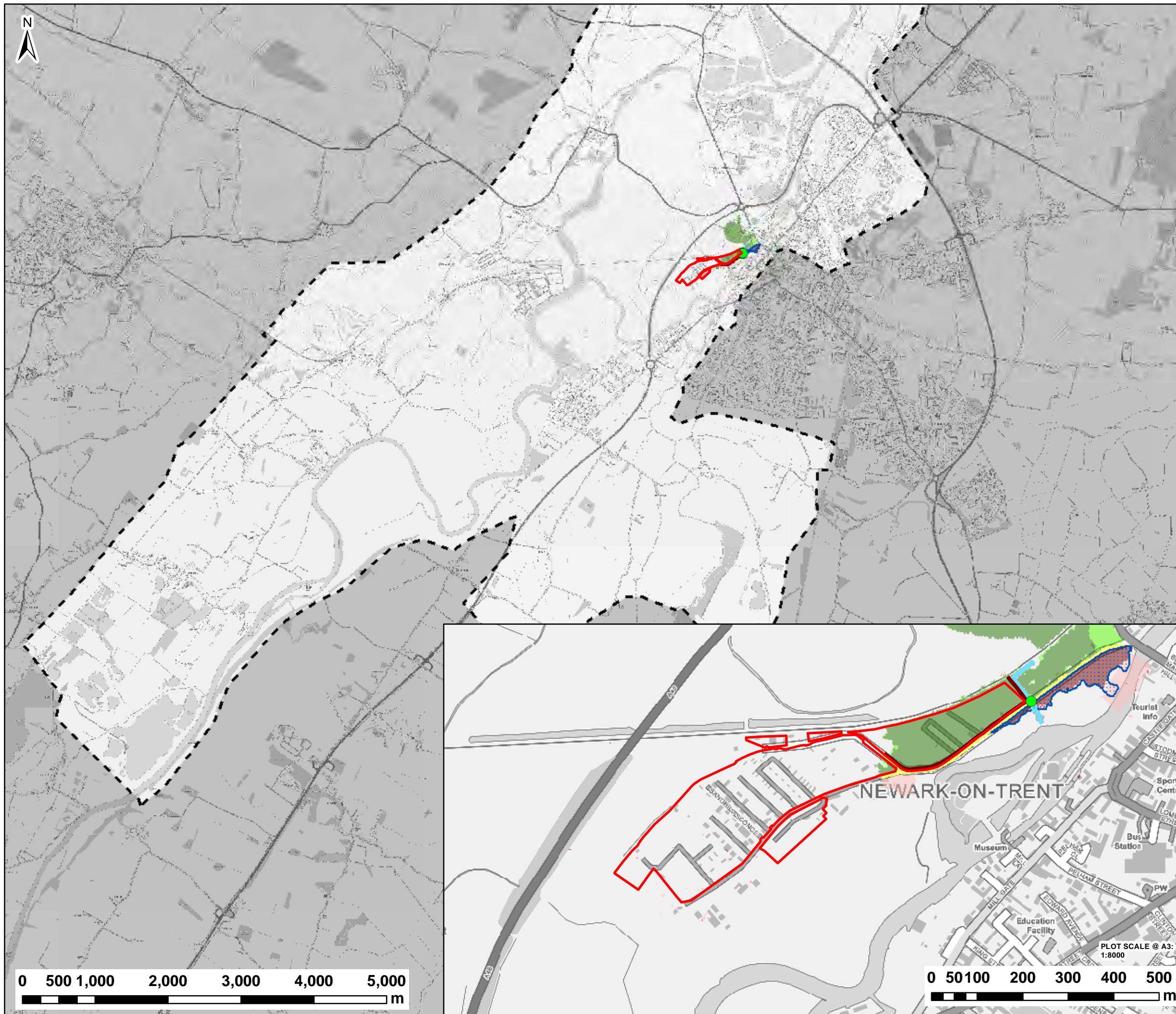
SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **MAXIMUM FLOOD DEPTH  
1% AEP FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
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PLOT NAME: w3375-Q100\_OPT1\_NFC\_D REV: -



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Depth Variation**

- > +100mm
- +50mm to +100mm
- +20mm to +50mm
- No Change (+/-20mm)
- 20mm to -50mm
- 50mm to -100mm
- > -100mm

CLIENT:

**waterco**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

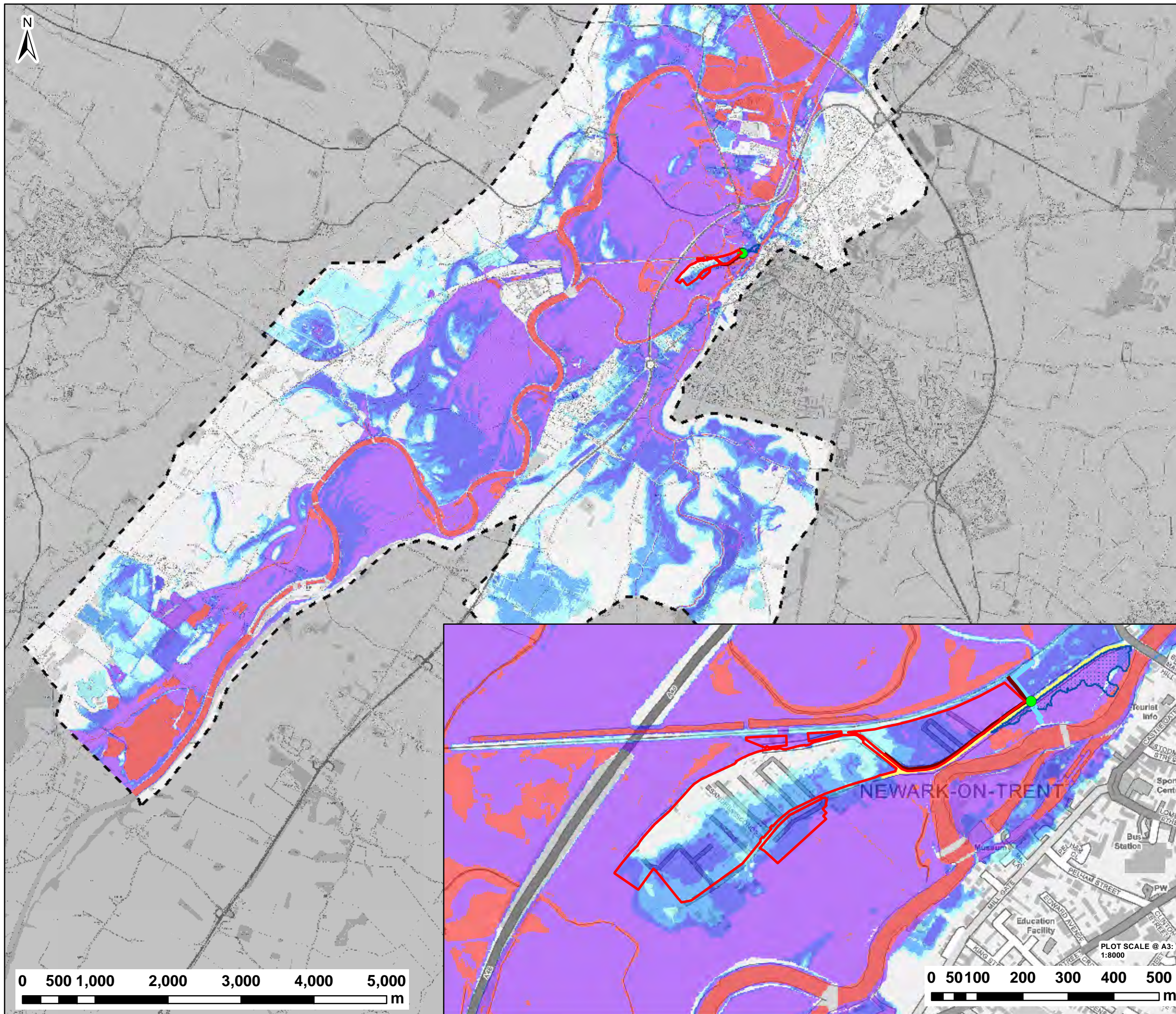
PLOT TITLE:

**DEPTH DIFFERENCE**  
1% AEP FLUVIAL EVENT  
OPT1-EXG  
NORMAL FLOW CONDITIONS

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
-----------	-------------	--------------	---

PLOT NAME: w3375-Q100\_OPT1-EXG\_NFC\_D\_DIFF REV: -



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Flood Depth (m)**

- 0 - 0.3
- 0.3 - 0.6
- 0.6 - 1.2
- 1.2 - 2.4
- > 2.4

CLIENT:

**Wyg**

**Waterco**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

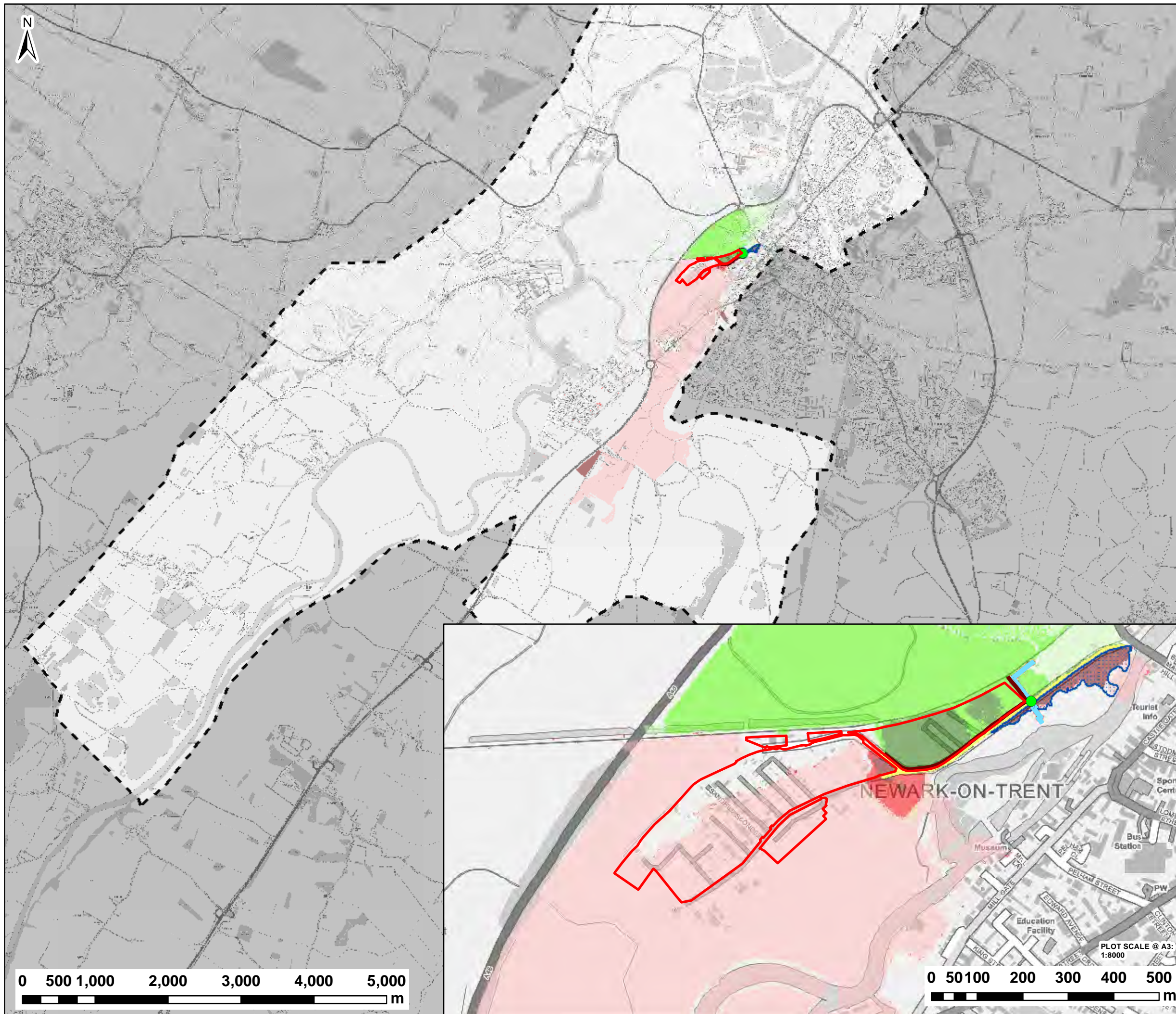
PLOT TITLE:

**MAXIMUM FLOOD DEPTH  
1% AEP (+30%CC) FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q100CC1\_OPT1\_NFC\_D REV: -




NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE


**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Depth Variation**

- > +100mm
- +50mm to +100mm
- +20mm to +50mm
- No Change (+/-20mm)
- 20mm to -50mm
- 50mm to -100mm
- > -100mm

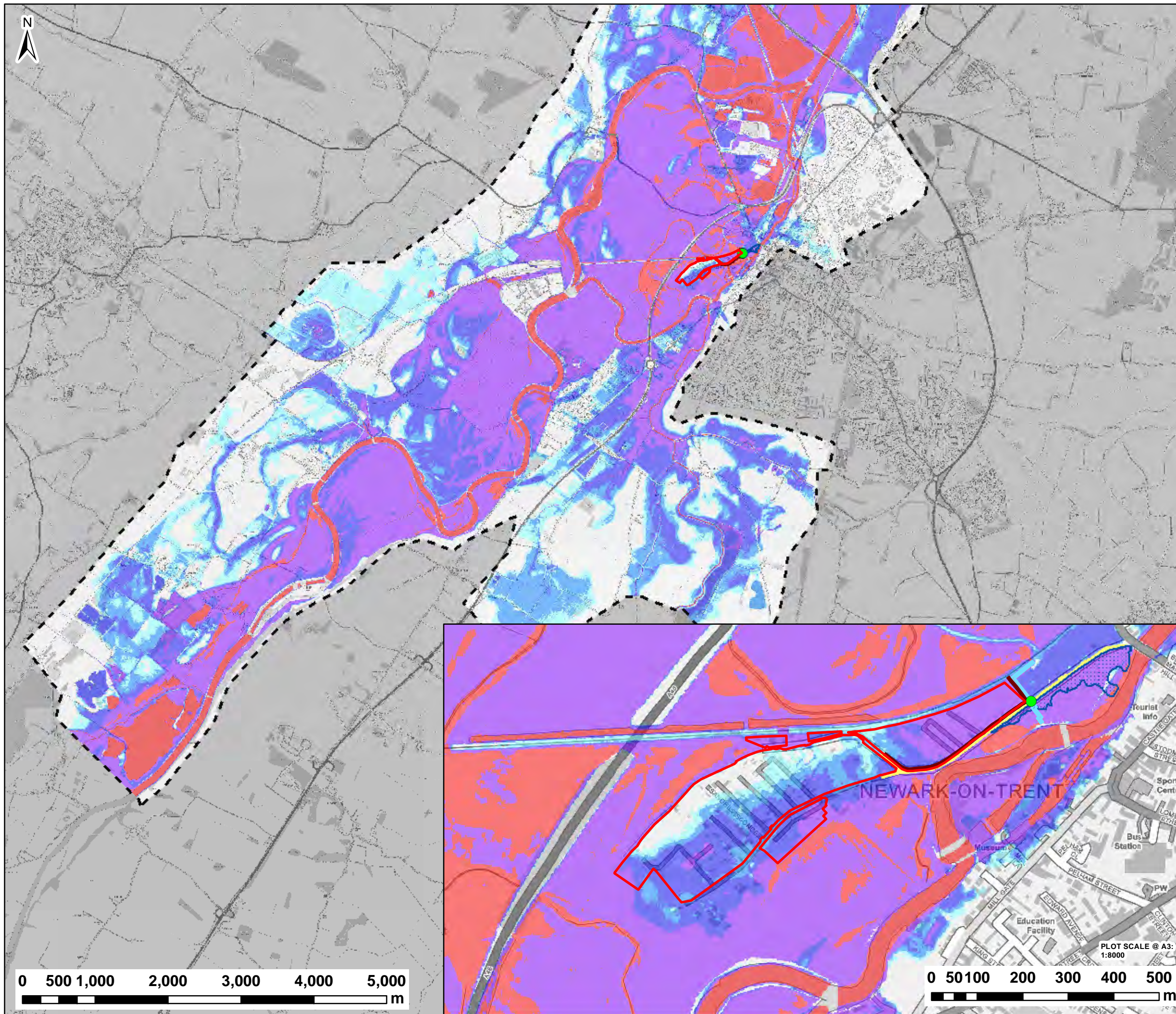
CLIENT: 

  
www.waterco.co.uk

SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **DEPTH DIFFERENCE**  
1% AEP (+30%CC) FLUVIAL EVENT  
OPT1-EXG  
NORMAL FLOW CONDITIONS

PLOT STATUS: <b>FINAL</b>		DATE: 25/04/2019	
DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
PLOT NAME: w3375-Q100CC1_OPT1-EXG_NFC_D_DIFF			REV: -



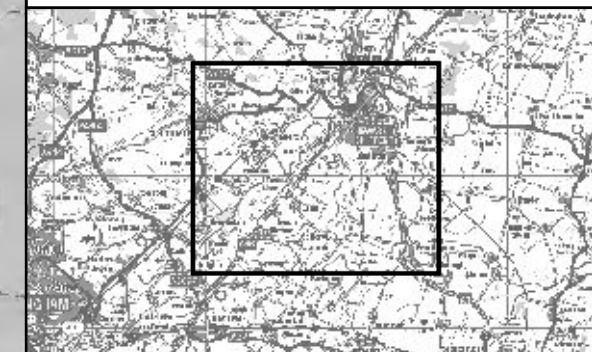
NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

### LEGEND

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

### Maximum Flood Depth (m)

- 0 - 0.3
- 0.3 - 0.6
- 0.6 - 1.2
- 1.2 - 2.4
- > 2.4



CLIENT:



[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME:

**TOLNEY LANE,  
NEWARK**

PLOT TITLE:

**MAXIMUM FLOOD DEPTH  
1% AEP (+50%CC) FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS:

**FINAL**

DATE:

25/04/2019

DRAWN:

CM

CHECKED:

RC

APPROVED:

LS

PLOT SCALE @ A3:

1:50,000

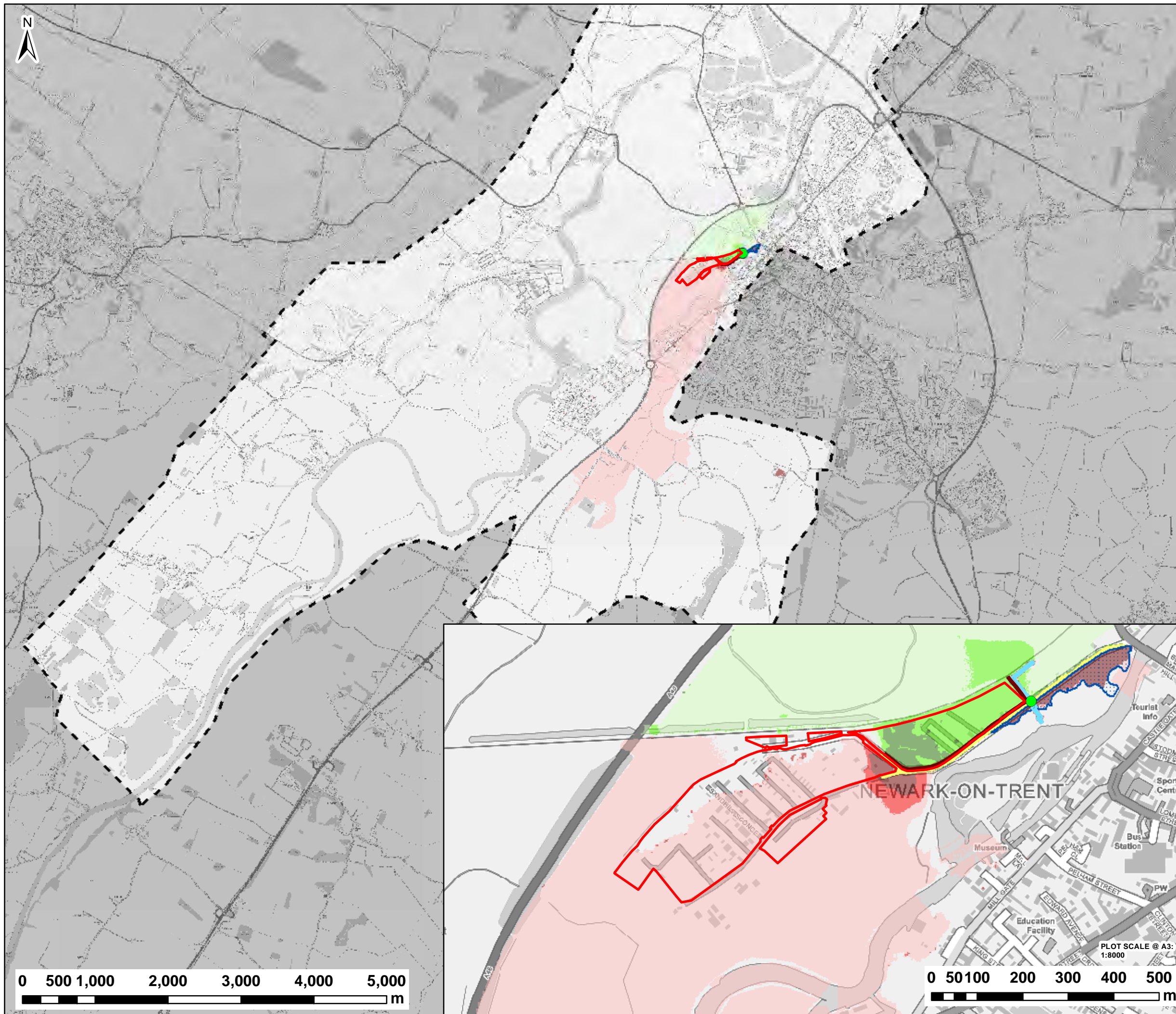
(UNLESS STATED OTHERWISE)

PLOT NAME:

w3375-Q100CC2\_OPT1\_NFC\_D

REV:

-



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Depth Variation**

- > +100mm
- +50mm to +100mm
- +20mm to +50mm
- No Change (+/-20mm)
- 20mm to -50mm
- 50mm to -100mm
- > -100mm

**CLIENT:**

**SCHEME:**

**TOLNEY LANE, NEWARK**

**PLOT TITLE:**

**DEPTH DIFFERENCE**  
1% AEP (+50%CC) FLUVIAL EVENT  
OPT1-EXG  
NORMAL FLOW CONDITIONS

**PLOT STATUS:**

**FINAL**

**DATE:**

**25/04/2019**

**DRAWN:**

**CM**

**CHECKED:**

**RC**

**APPROVED:**

**LS**

**PLOT SCALE @ A3:**

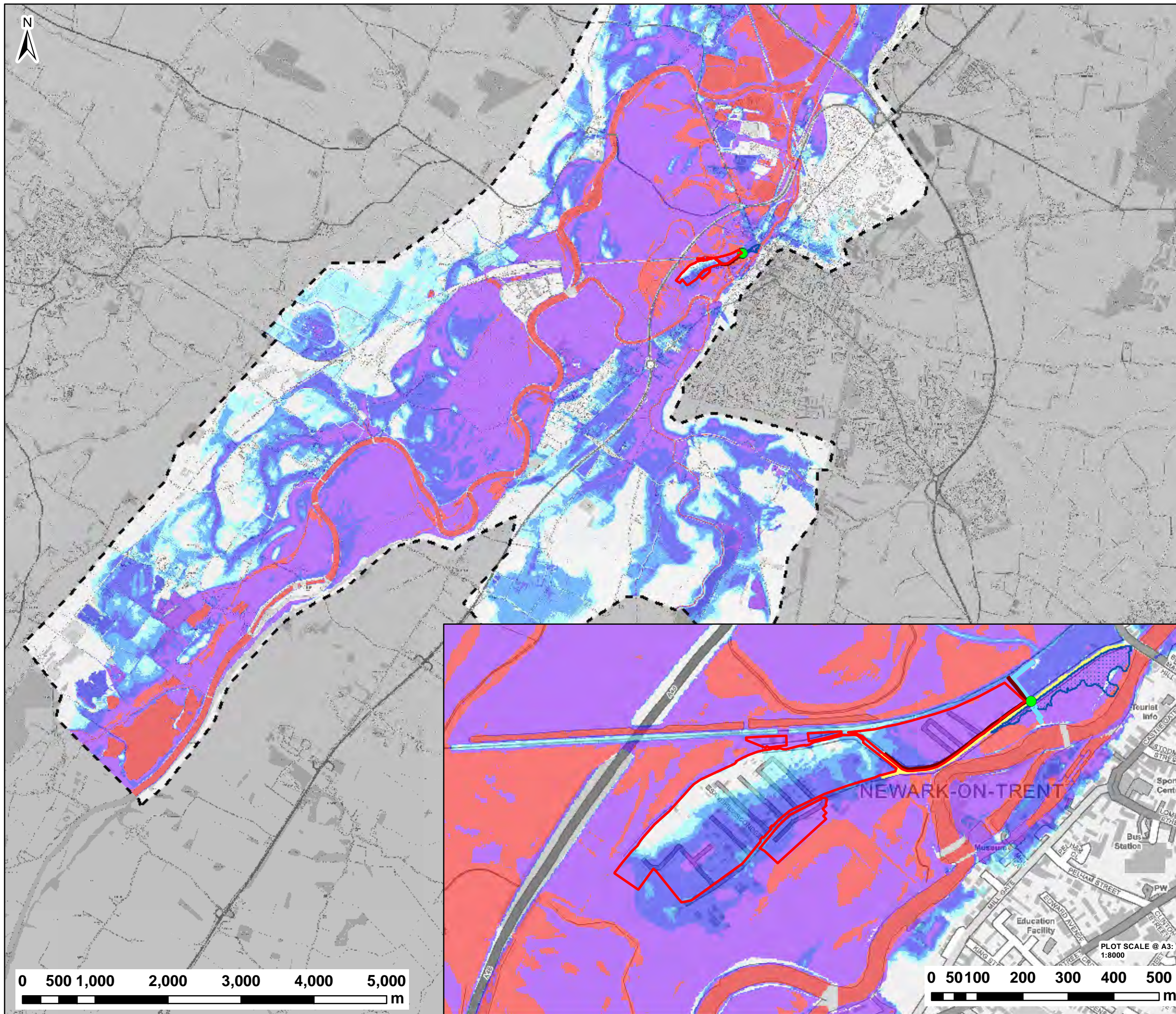
**1:50,000**  
(UNLESS STATED OTHERWISE)

**PLOT NAME:**

**w3375-Q100CC2\_OPT1-EXG\_NFC\_D\_DIFF**

**REV:**

**-**



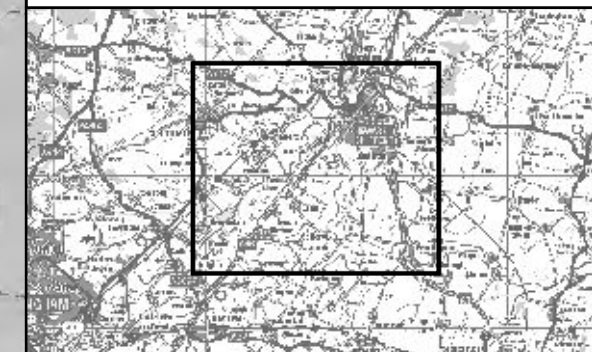
NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

#### LEGEND

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

#### Maximum Flood Depth (m)

- 0 - 0.3
- 0.3 - 0.6
- 0.6 - 1.2
- 1.2 - 2.4
- > 2.4



CLIENT:



[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME:

**TOLNEY LANE,  
NEWARK**

PLOT TITLE:

**MAXIMUM FLOOD DEPTH  
0.1% AEP FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS:

**FINAL**

DATE:

25/04/2019

DRAWN:

CM

CHECKED:

RC

APPROVED:

LS

PLOT SCALE @ A3:

1:50,000

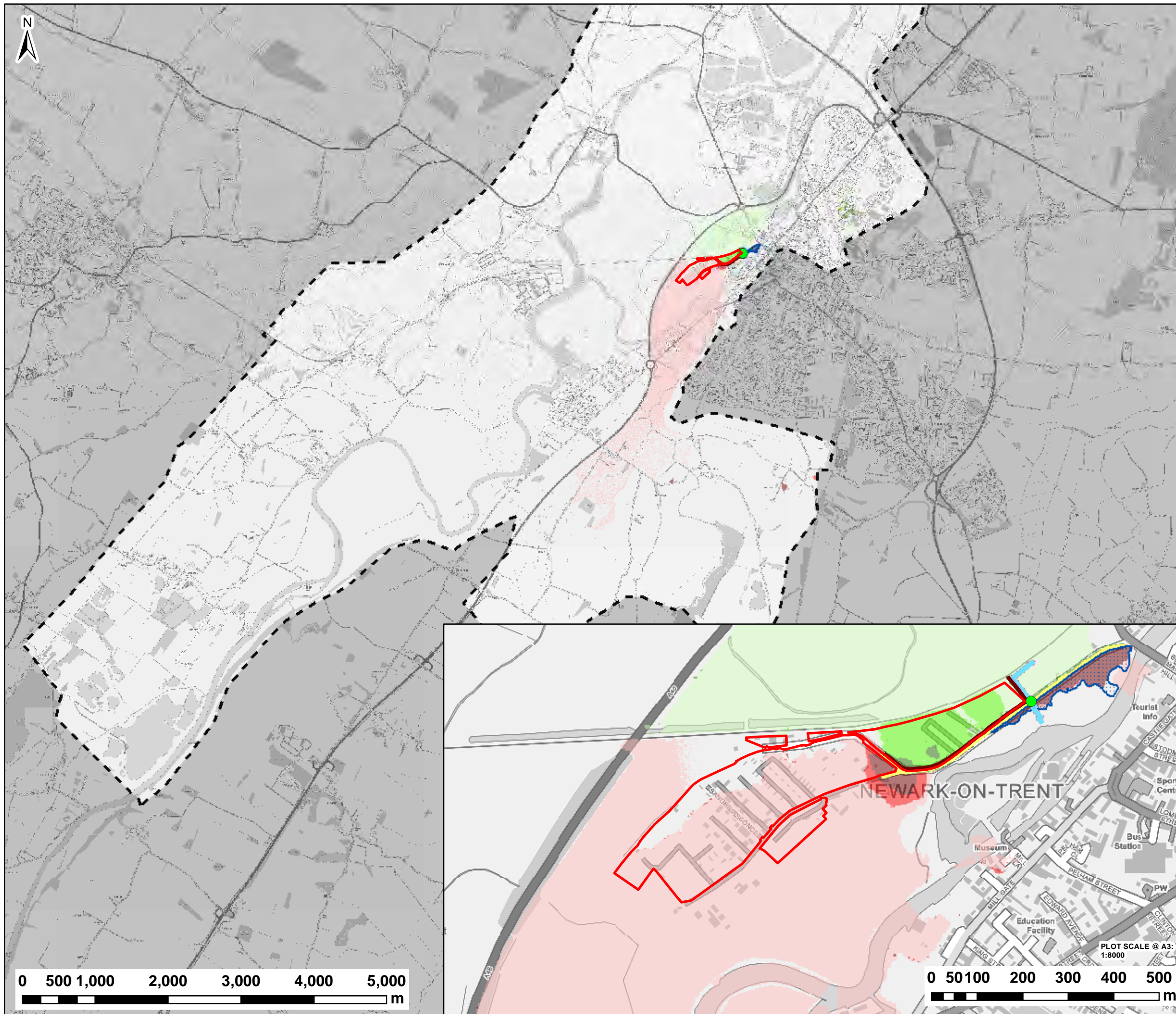
(UNLESS STATED OTHERWISE)

PLOT NAME:

w3375-Q1000\_OPT1\_NFC\_D

REV:

-



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Depth Variation**

- > +100mm
- +50mm to +100mm
- +20mm to +50mm
- No Change (+/-20mm)
- 20mm to -50mm
- 50mm to -100mm
- > -100mm

**CLIENT:**

**SCHEME:**

**TOLNEY LANE, NEWARK**

**PLOT TITLE:**

**DEPTH DIFFERENCE**  
0.1% AEP FLUVIAL EVENT  
OPT1-EXG  
NORMAL FLOW CONDITIONS

**PLOT STATUS:** FINAL

**DATE:** 25/04/2019

**DRAWN:** CM

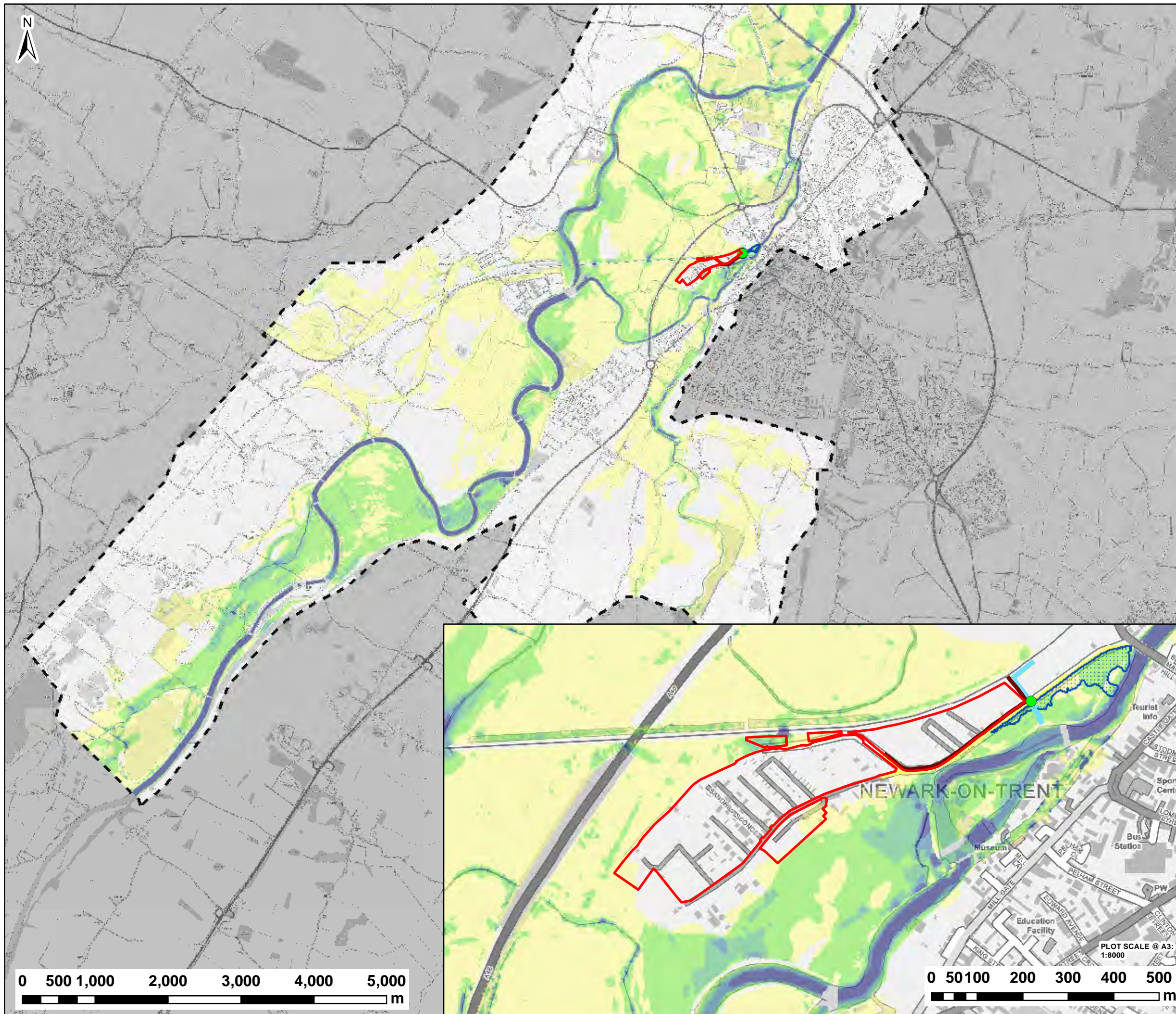
**CHECKED:** RC

**APPROVED:** LS

**PLOT SCALE @ A3:** 1:50,000 (UNLESS STATED OTHERWISE)

**PLOT NAME:** w3375-Q1000\_OPT1-EXG\_NFC\_D\_DIFF

**REV:** -




NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE


**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Velocity (m/s)**

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT: 

  
[www.waterco.co.uk](http://www.waterco.co.uk)

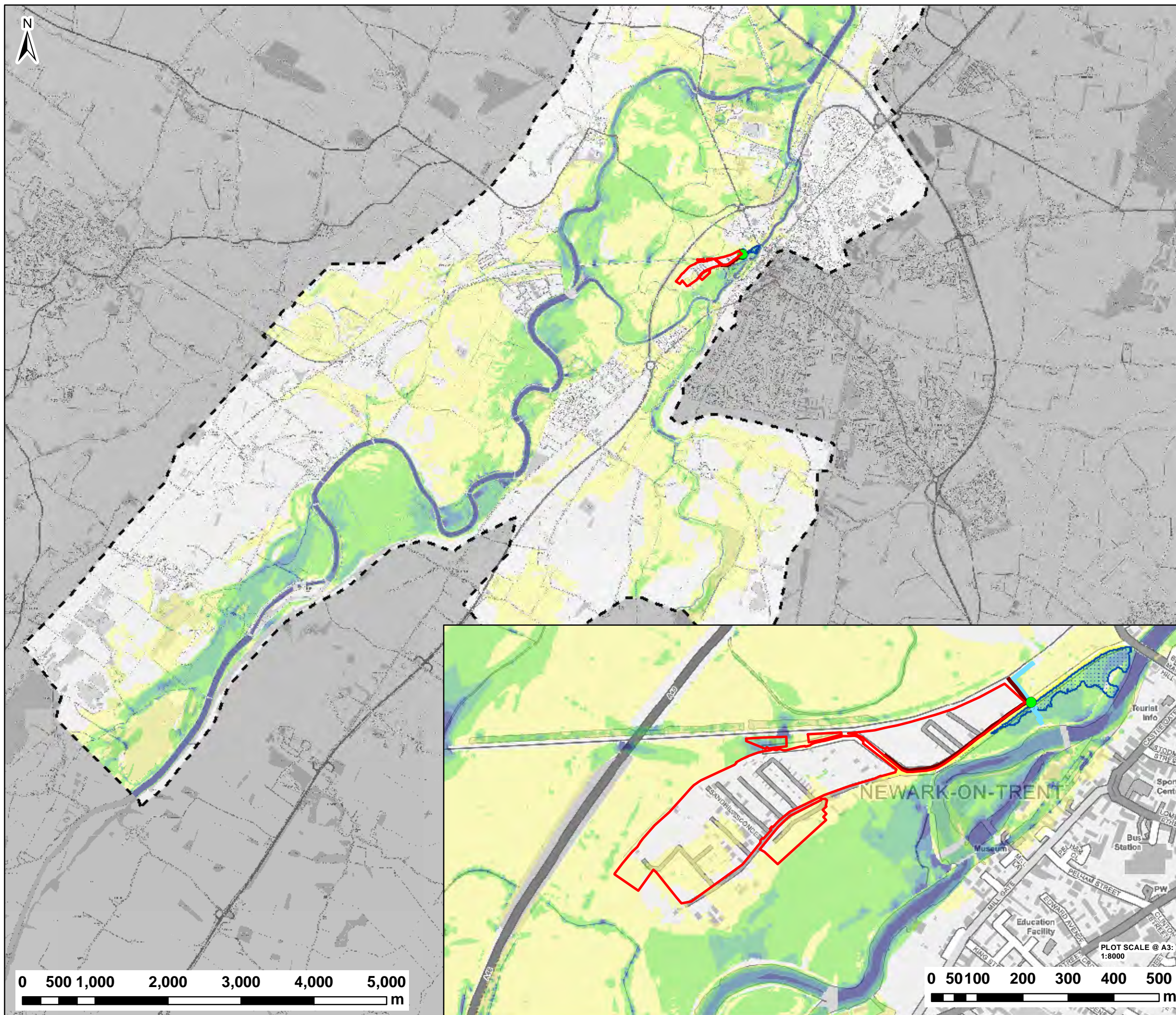
SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **MAXIMUM VELOCITY  
5% AEP FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
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PLOT NAME: w3375-Q20\_OPT1\_NFC\_V REV: -




NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE


**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Velocity (m/s)**

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT: 

  
[www.waterco.co.uk](http://www.waterco.co.uk)

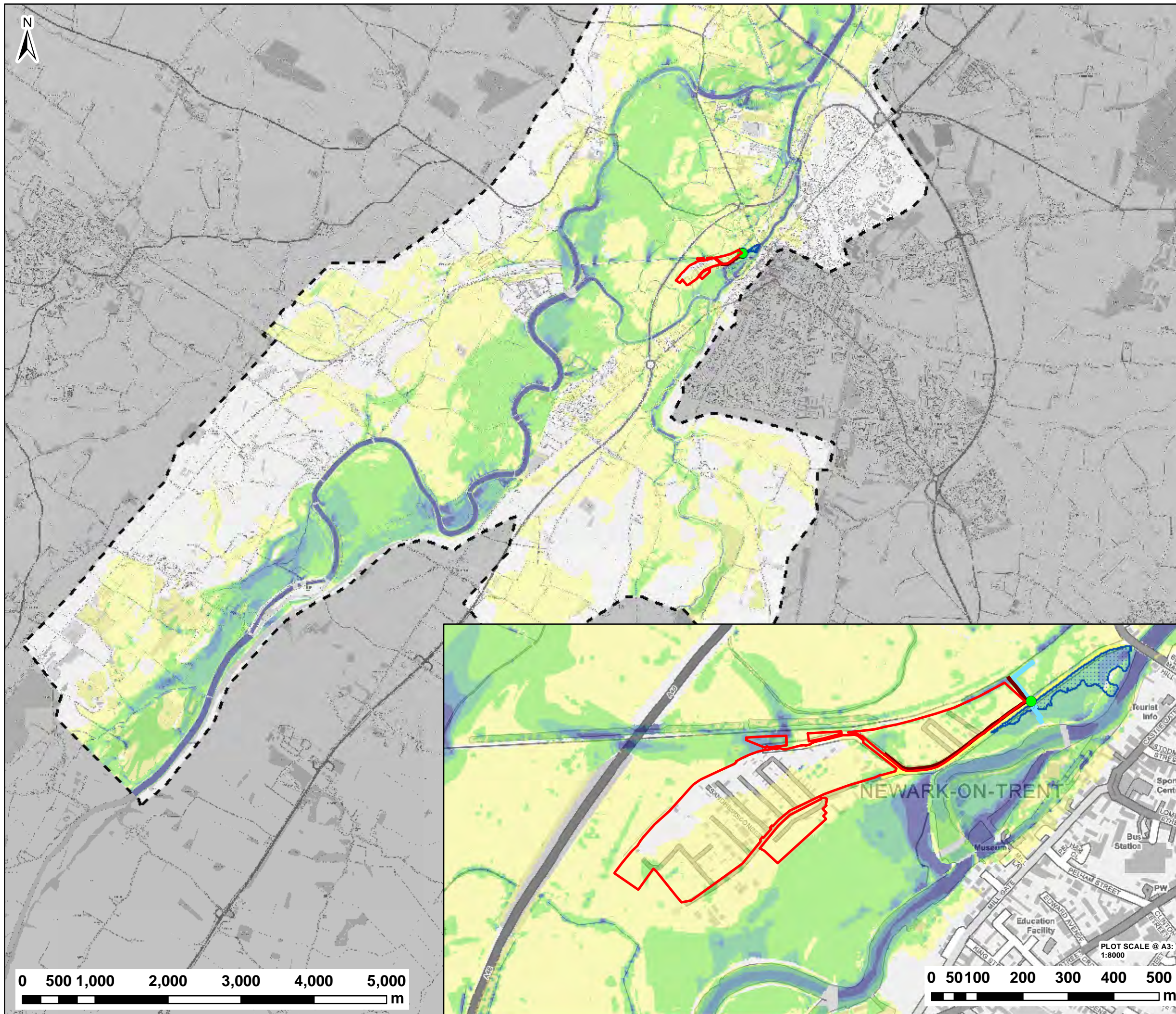
SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **MAXIMUM VELOCITY  
1% AEP FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
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PLOT NAME: w3375-Q100\_OPT1\_NFC\_V REV: -




NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE


**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Velocity (m/s)**

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

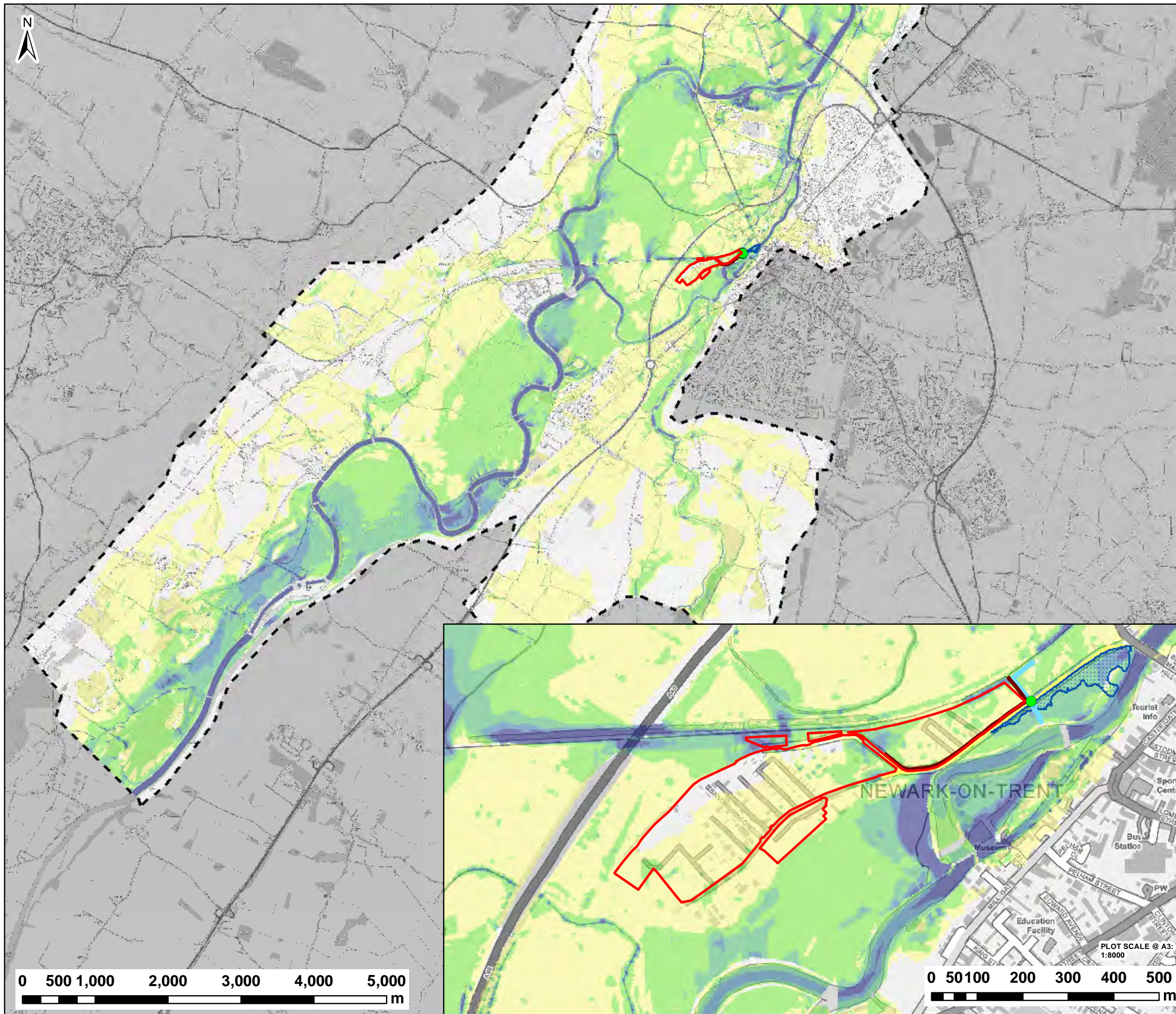
CLIENT: 

  
[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **MAXIMUM VELOCITY**  
1% AEP (+30%CC) FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS

PLOT STATUS: <b>FINAL</b>		DATE: 25/04/2019	
DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
PLOT NAME: w3375-Q100CC1_OPT1_NFC_V			REV: -




NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE


**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Velocity (m/s)**

- 0.0 - 0.3
- 0.3 - 0.6
- 0.6 - 0.9
- 0.9 - 1.2
- > 1.2

CLIENT: 

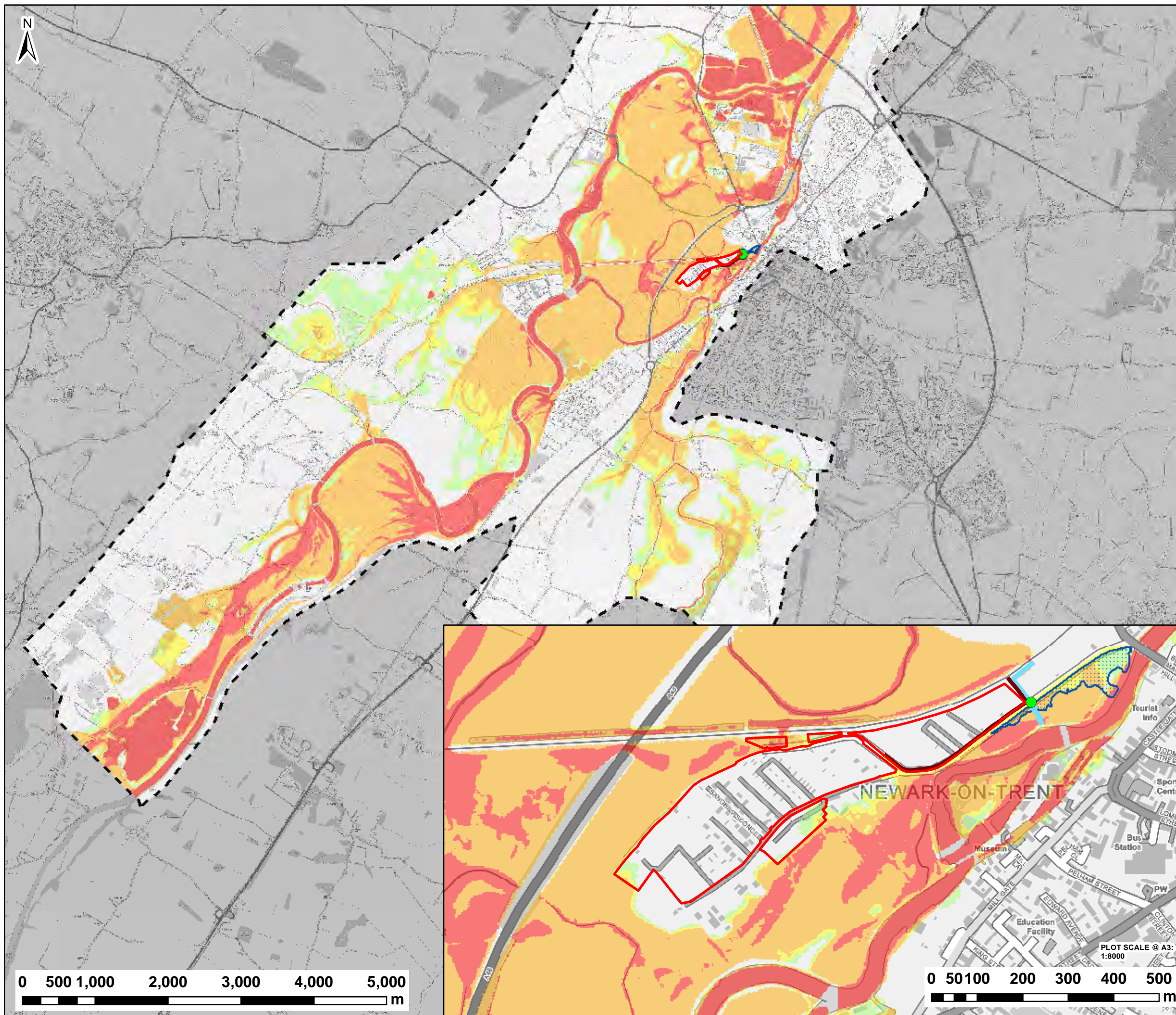
  
[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **MAXIMUM VELOCITY  
1% AEP (+50%CC) FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS: <b>FINAL</b>		DATE: 25/04/2019	
DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
PLOT NAME: w3375-Q100CC2_OPT1_NFC_V			REV: -





NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Flood Hazard Rating (FD2320)**

- < 0.75 (Caution)
- 0.75 - 1.25 (Danger for Some)
- 1.25 - 2 (Danger for Most)
- > 2.0 (Danger for All)

CLIENT:

**WYG**

**Waterco**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

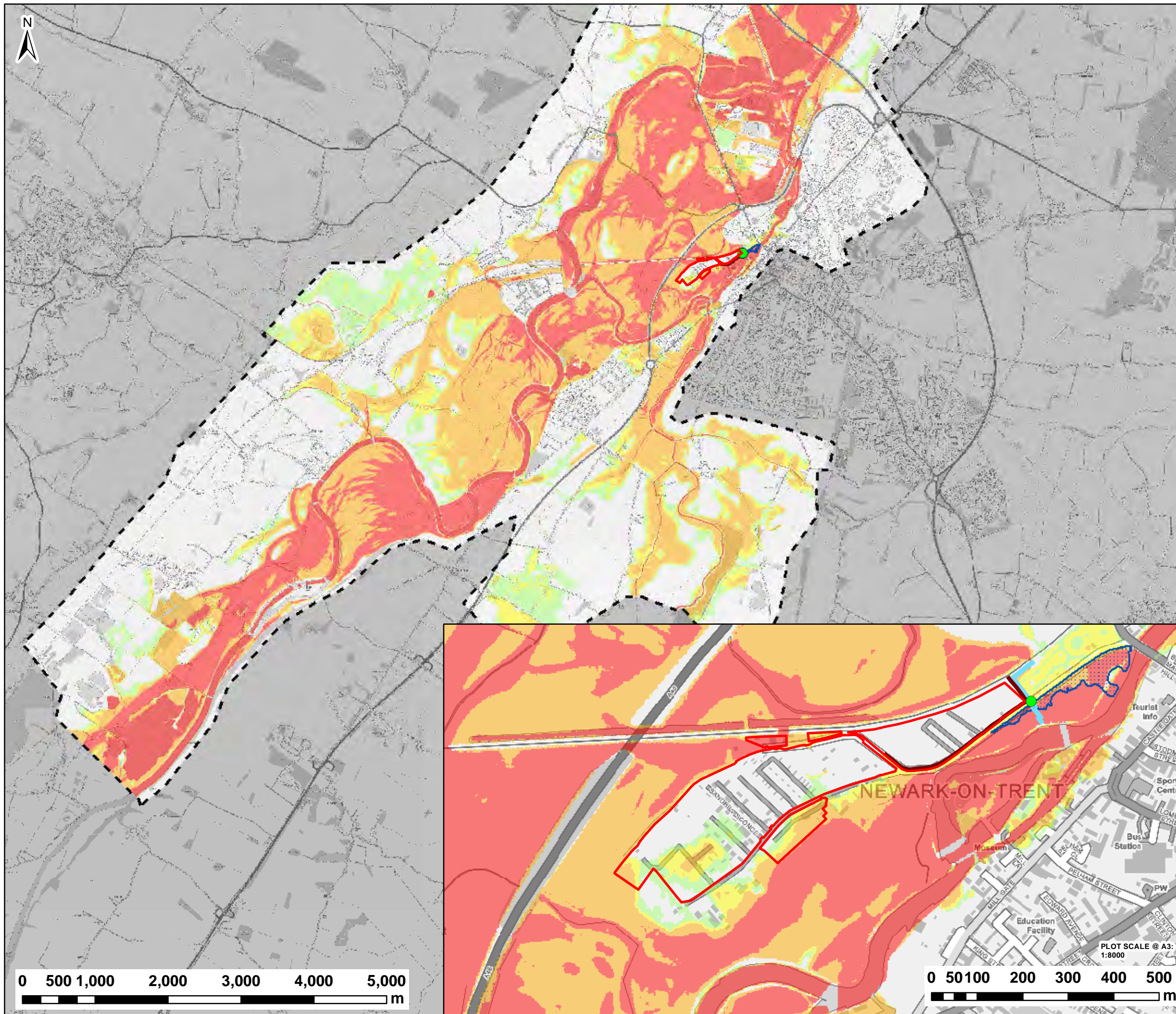
PLOT TITLE:

**FLOOD HAZARD RATING  
5% AEP FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
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PLOT NAME: w3375-Q20\_OPT1\_NFC\_HZ REV: -



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Flood Hazard Rating (FD2320)**

- < 0.75 (Caution)
- 0.75 - 1.25 (Danger for Some)
- 1.25 - 2 (Danger for Most)
- > 2.0 (Danger for All)

CLIENT:

**WATERCO**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

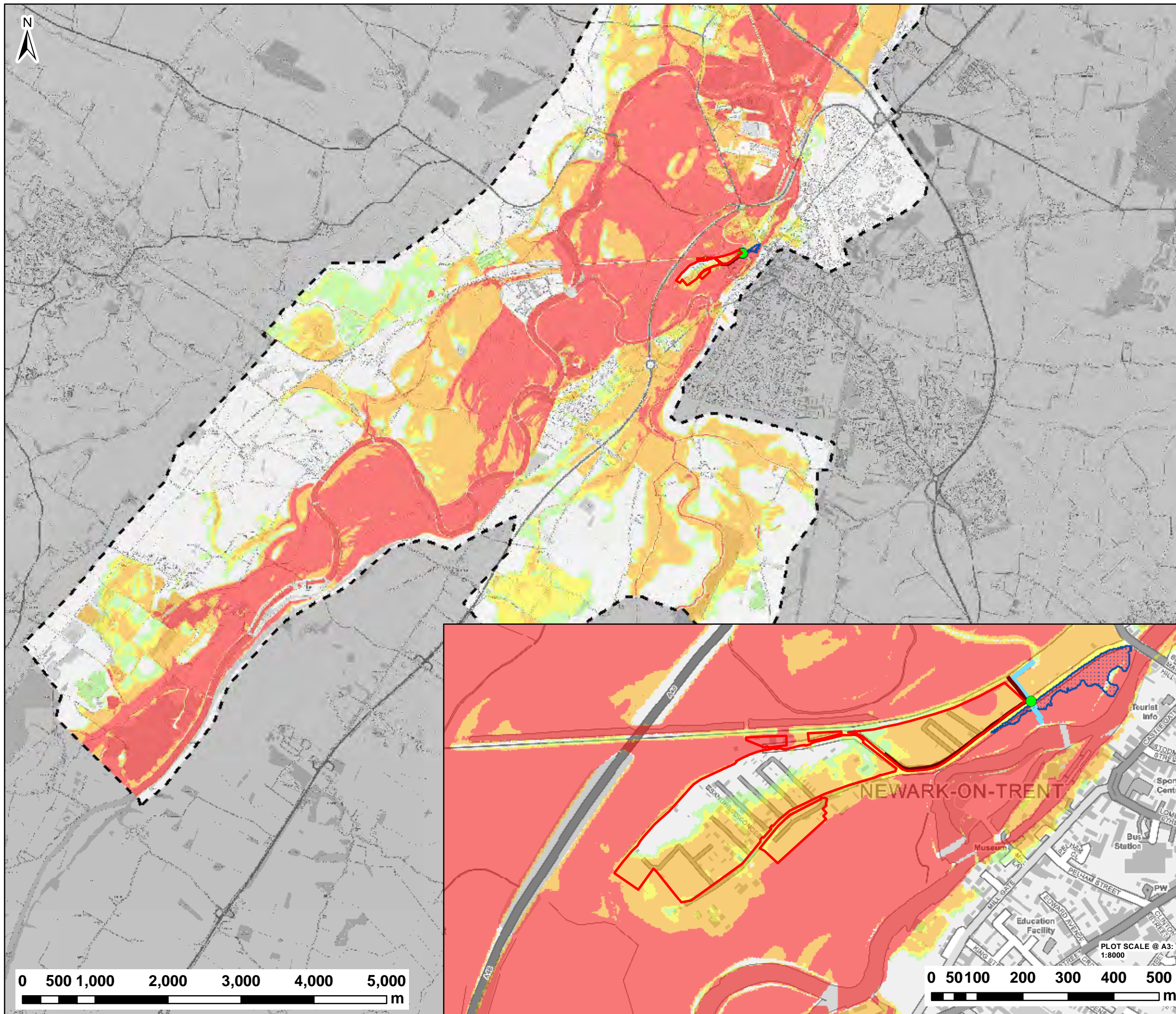
PLOT TITLE:

**FLOOD HAZARD RATING  
1% AEP FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q100\_OPT1\_NFC\_HZ REV: -



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE


**LEGEND**


- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Flood Hazard Rating (FD2320)**

- < 0.75 (Caution)
- 0.75 - 1.25 (Danger for Some)
- 1.25 - 2 (Danger for Most)
- > 2.0 (Danger for All)

CLIENT:



  
[www.waterco.co.uk](http://www.waterco.co.uk)

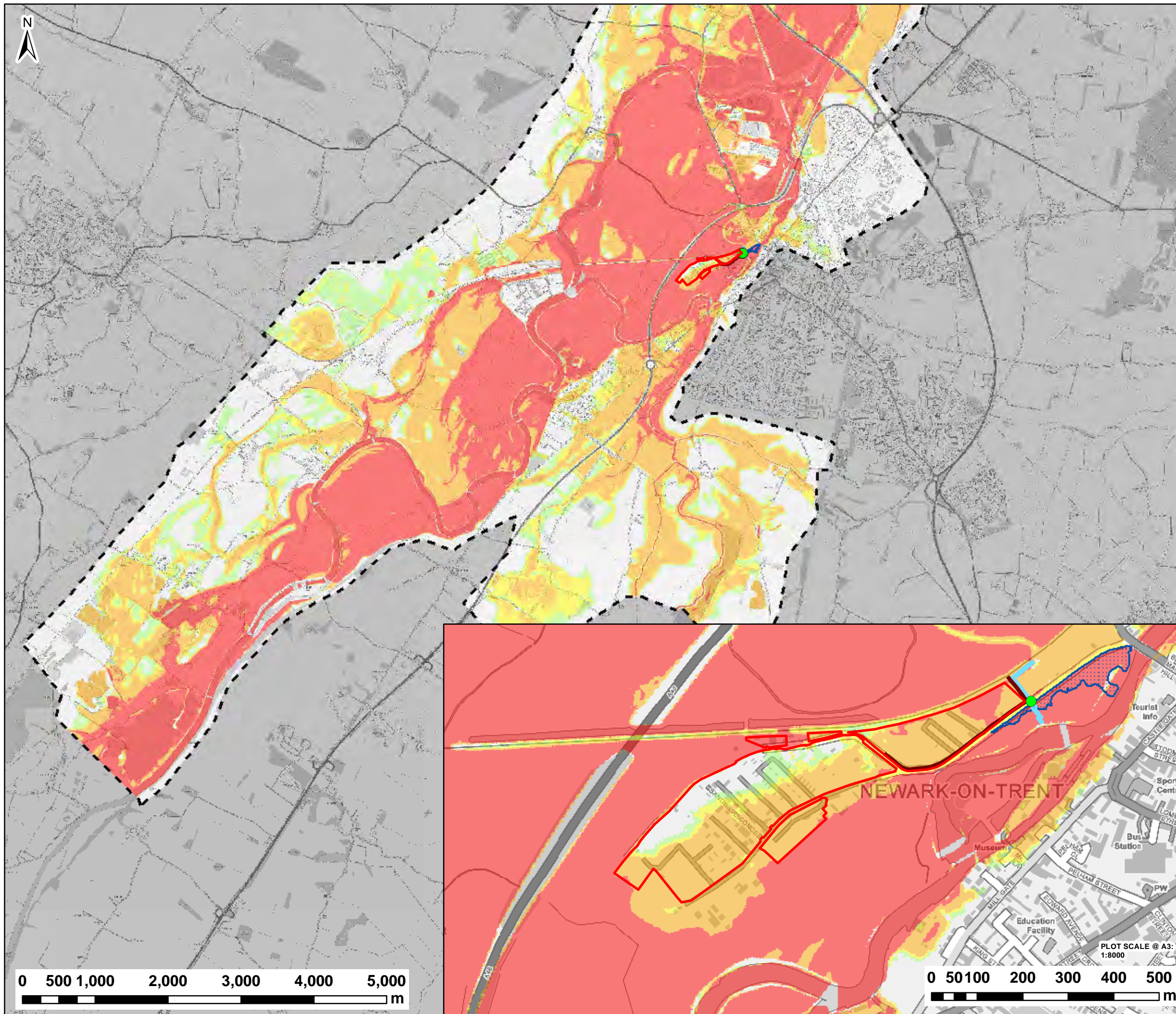
SCHEME:

**TOLNEY LANE, NEWARK**

PLOT TITLE:

**FLOOD HAZARD RATING**  
1% AEP (+30%CC) FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS

PLOT STATUS:		DATE:	
<b>FINAL</b>		25/04/2019	
DRAWN:	CHECKED:	APPROVED:	PLOT SCALE @ A3:
CM	RC	LS	1:50,000 (UNLESS STATED OTHERWISE)
PLOT NAME:			REV:
w3375-Q100CC1_OPT1_NFC_HZ			-



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Flood Hazard Rating (FD2320)**

- < 0.75 (Caution)
- 0.75 - 1.25 (Danger for Some)
- 1.25 - 2 (Danger for Most)
- > 2.0 (Danger for All)

CLIENT:

**WATERCO**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

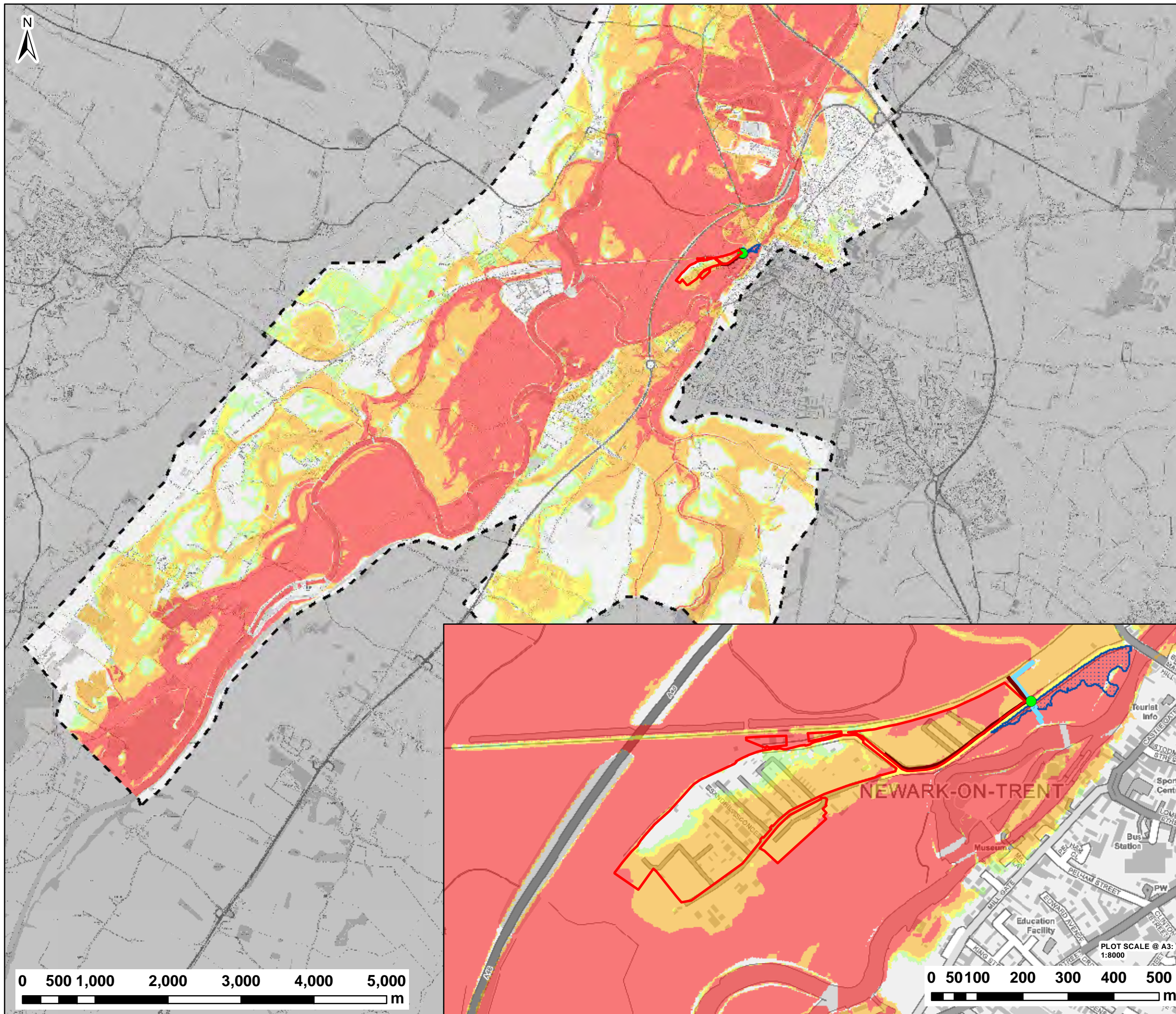
PLOT TITLE:

**FLOOD HAZARD RATING  
1% AEP (+50%CC) FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q100CC2\_OPT1\_NFC\_HZ REV: -



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Flood Wall
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Tolney Lane Raising

**Maximum Flood Hazard Rating (FD2320)**

- < 0.75 (Caution)
- 0.75 - 1.25 (Danger for Some)
- 1.25 - 2 (Danger for Most)
- > 2.0 (Danger for All)

CLIENT:

**Wyg**

**Waterco**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

PLOT TITLE:

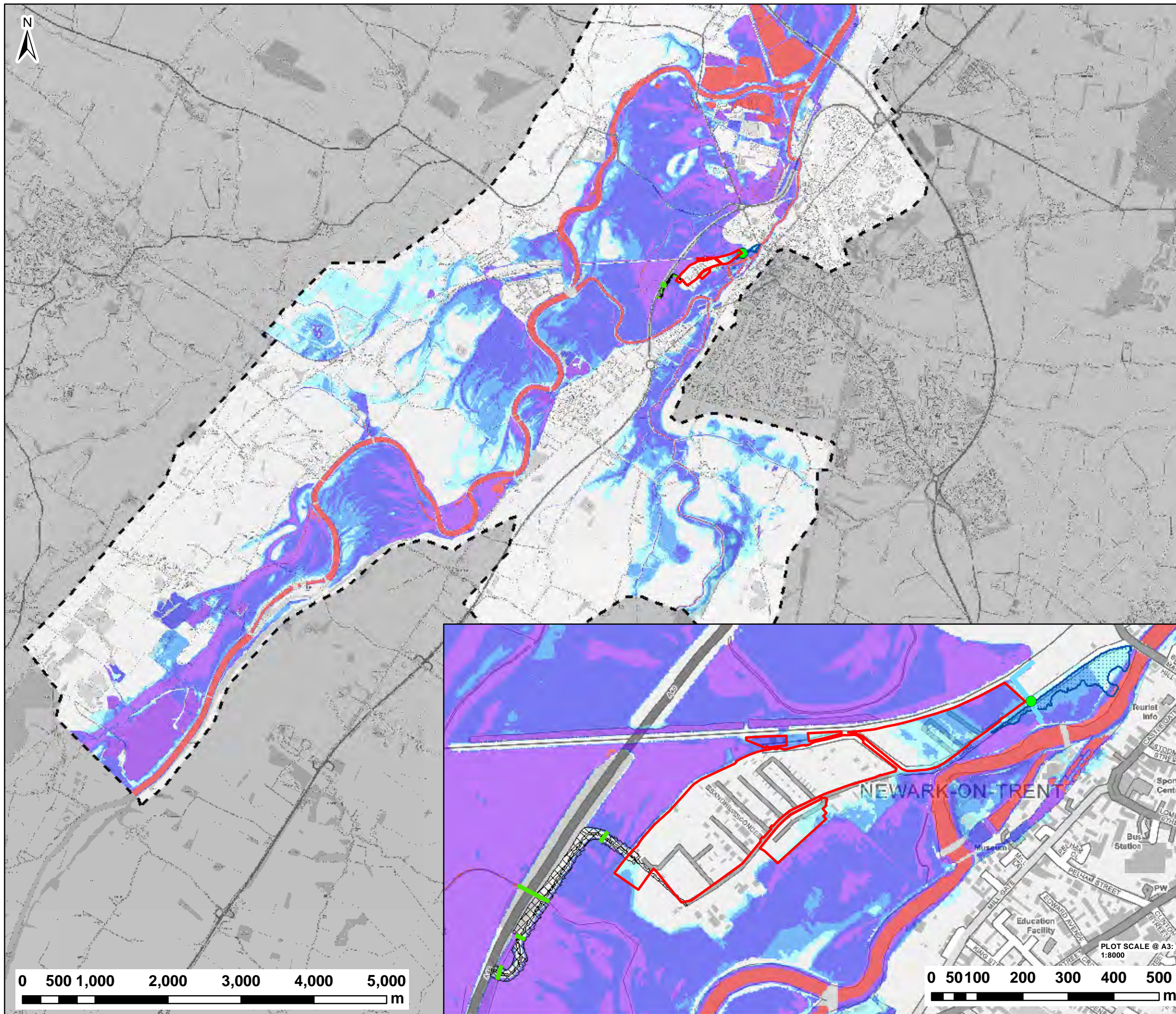
**FLOOD HAZARD RATING**  
0.1% AEP FLUVIAL EVENT  
OPTION 1  
NORMAL FLOW CONDITIONS

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q1000\_OPT1\_NFC\_HZ REV: -

## **FAS Option 2 (OPT2) Flood Mapping**



NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Culverts
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Highway Land Raising

**Maximum Flood Depth (m)**

- 0 - 0.3
- 0.3 - 0.6
- 0.6 - 1.2
- 1.2 - 2.4
- > 2.4

CLIENT:

**Wyg**

**Waterco**  
www.waterco.co.uk

SCHEME:

**TOLNEY LANE, NEWARK**

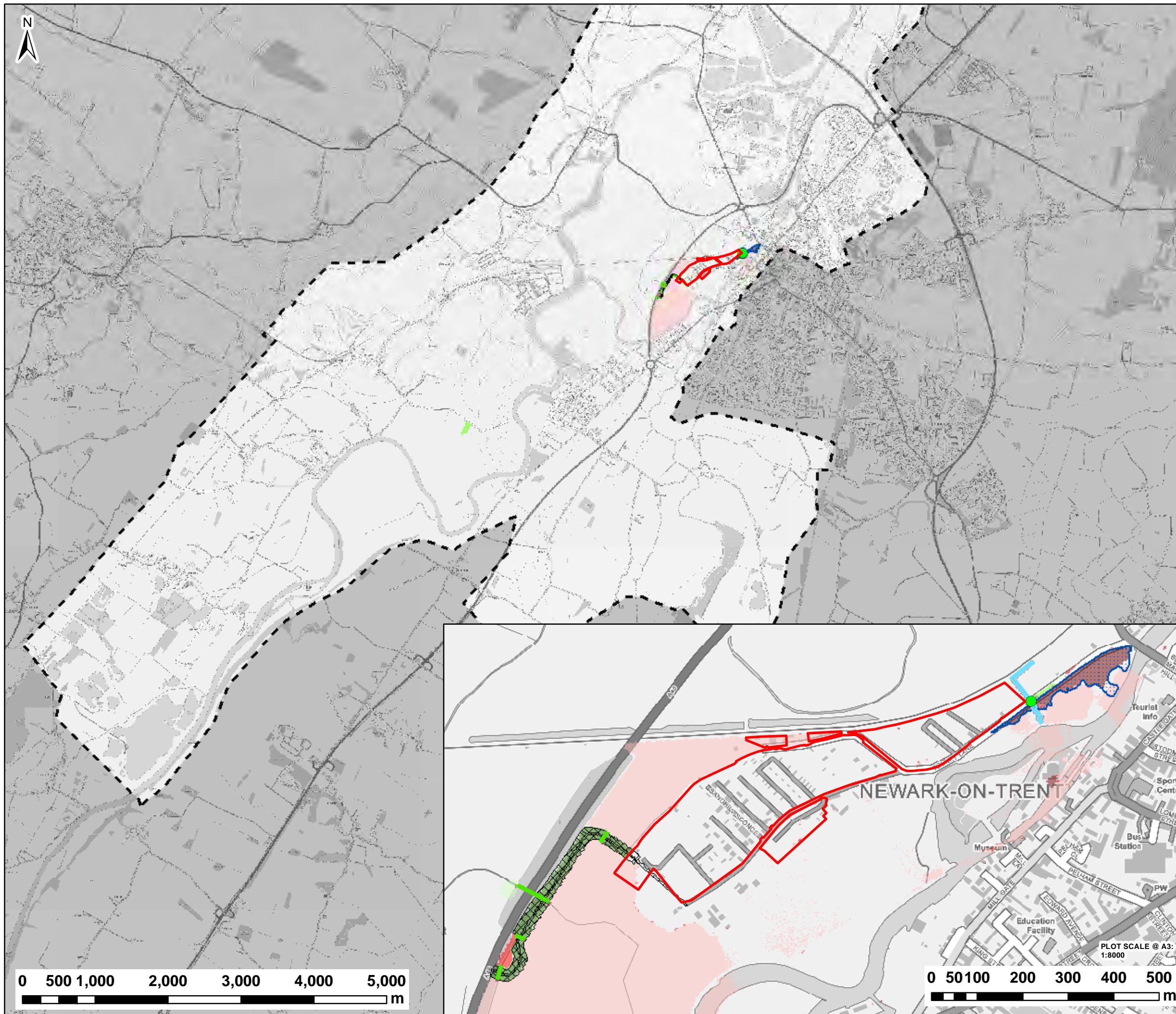
PLOT TITLE:

**MAXIMUM FLOOD DEPTH  
5% AEP FLUVIAL EVENT  
OPTION 2  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM CHECKED: RC APPROVED: LS PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)

PLOT NAME: w3375-Q20\_OPT2\_NFC\_D REV: -



**NOTES:**  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE

**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Culverts
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Highway Land Raising

**Maximum Depth Variation**

- > +100mm
- +50mm to +100mm
- +20mm to +50mm
- No Change (+/-20mm)
- 20mm to -50mm
- 50mm to -100mm
- > -100mm

**CLIENT:**

**SCHEME:**

**TOLNEY LANE, NEWARK**

**PLOT TITLE:**

**DEPTH DIFFERENCE**  
5% AEP FLUVIAL EVENT  
OPT2-EXG  
NORMAL FLOW CONDITIONS

**PLOT STATUS:** FINAL

**DATE:** 25/04/2019

**DRAWN:** CM

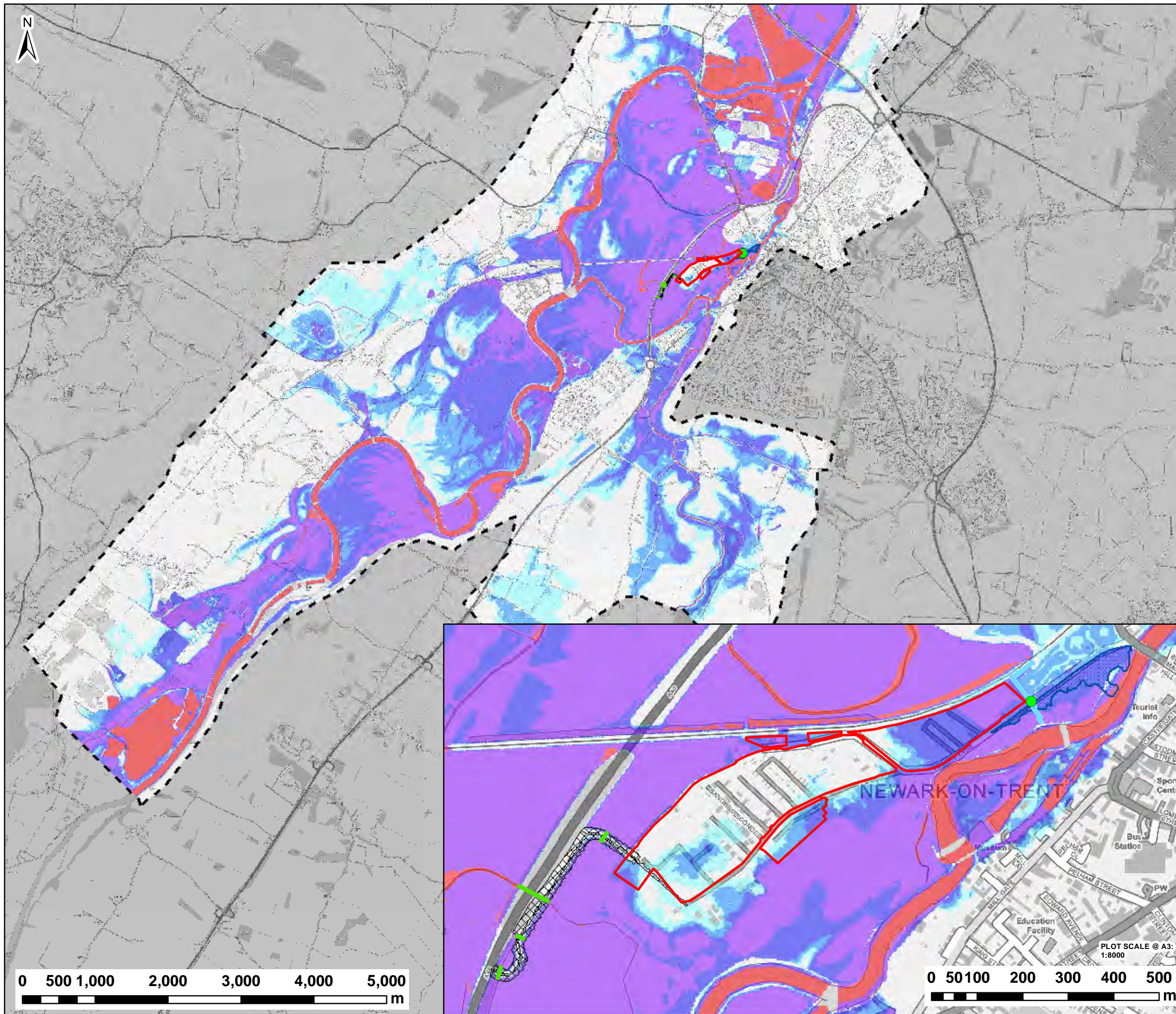
**CHECKED:** RC

**APPROVED:** LS

**PLOT SCALE @ A3:** 1:50,000  
(UNLESS STATED OTHERWISE)

**PLOT NAME:** w3375-Q20\_OPT2-EXG\_NFC\_D\_DIFF

**REV:** -




NOTES:  
1) ALL DIMENSIONS ARE IN METRES AND ALL LEVELS IN METRES ABOVE ORDNANCE DATUM UNLESS STATED OTHERWISE


**LEGEND**

- Site Location
- 2D Model Extent
- Proposed Flood Relief Culvert
- Proposed Culverts
- Proposed Flood Relief Channel
- Proposed Flood Relief Area
- Proposed Highway Land Raising

**Maximum Flood Depth (m)**

- 0 - 0.3
- 0.3 - 0.6
- 0.6 - 1.2
- 1.2 - 2.4
- > 2.4

CLIENT: 

  
[www.waterco.co.uk](http://www.waterco.co.uk)

SCHEME: **TOLNEY LANE, NEWARK**

PLOT TITLE: **MAXIMUM FLOOD DEPTH  
1% AEP FLUVIAL EVENT  
OPTION 2  
NORMAL FLOW CONDITIONS**

PLOT STATUS: **FINAL** DATE: 25/04/2019

DRAWN: CM	CHECKED: RC	APPROVED: LS	PLOT SCALE @ A3: 1:50,000 (UNLESS STATED OTHERWISE)
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PLOT NAME: w3375-Q100\_OPT2\_NFC\_D REV: -