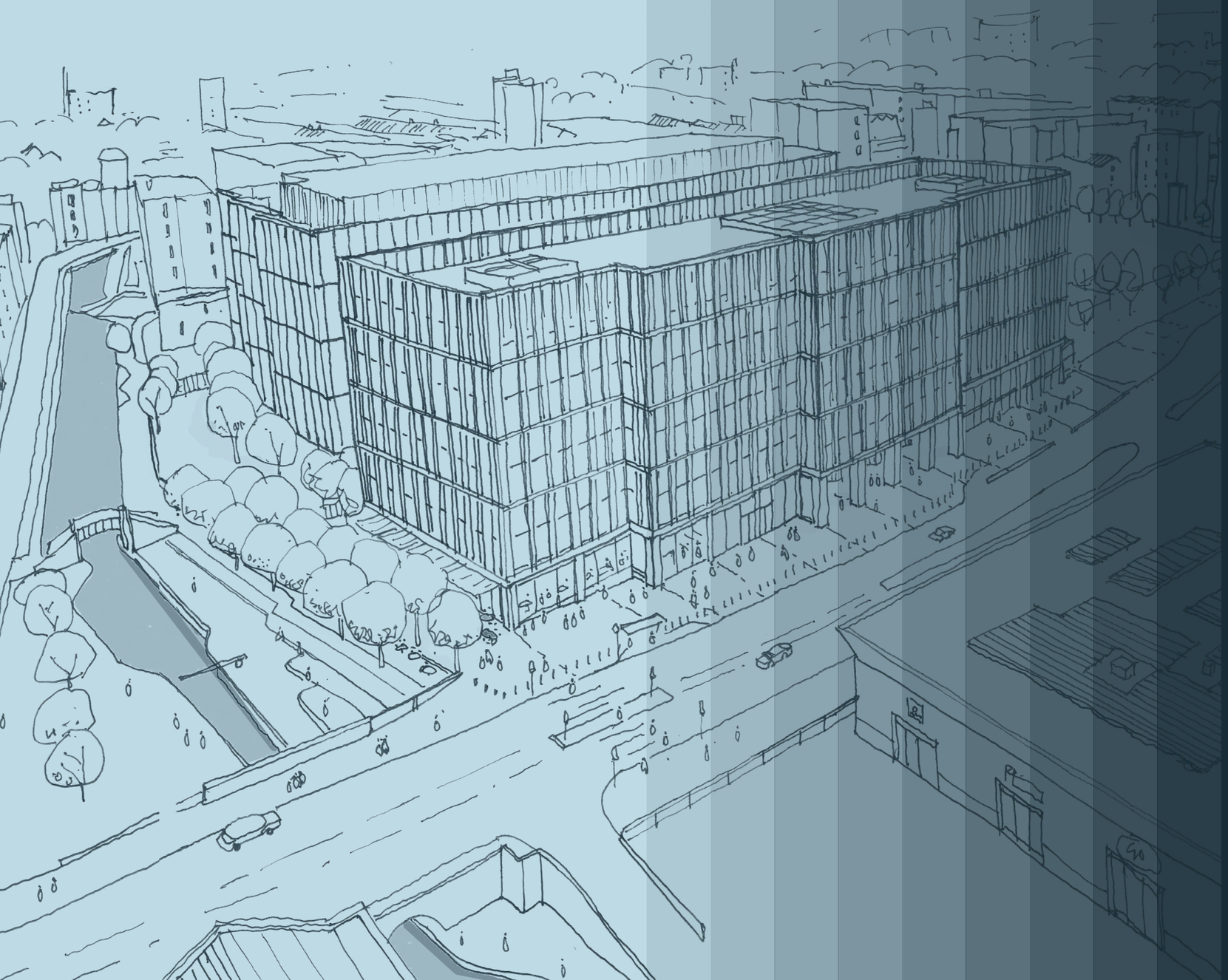
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MANCHESTER DIGITAL CAMPUS

Environmental Statement

Volume 5 - Chapter 19: Water resources and flood risk figures

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EIA Site Boundary
1km Buffer

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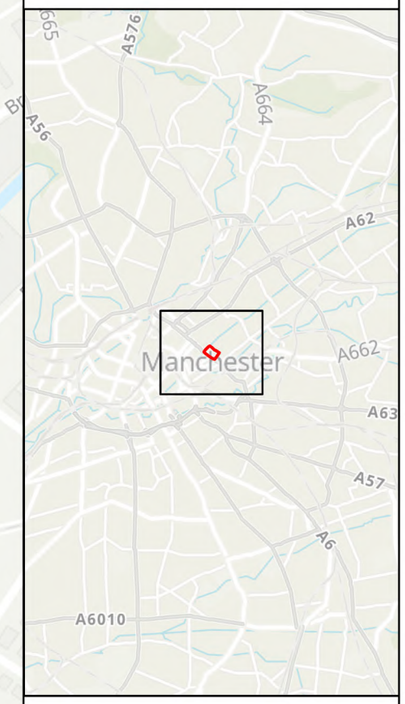
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EIA Site Boundary

WFD Surface Water Bodies

WFD River Water Body Catchments

Irk (Wince to Irwell)

Irwell / Manchester Ship Canal (Irk to confluence with Upper Mersey)

Medlock (Lumb Brook to Irwell)

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Figure 19.1.2 WFD Surface Water Bodies

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EIA Site Boundary

WFD Groundwater Bodies

Manchester and East Cheshire Permo-Triassic Sandstone Aquifers

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Figure 19.1.3 WFD Groundwater Bodies

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A6 Manchester Piccadilly B6469 B6469 B6469 Manchester Oxford Road A57(M) A635 A635 Ashton Old Road

A34 Mancunian Way A6 Ardwick Ardwick A6

EIA Site Boundary
1km Buffer
Statutory Main Rivers
Ordinary Watercourses

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Figure 19.2 Surface Water Receptors

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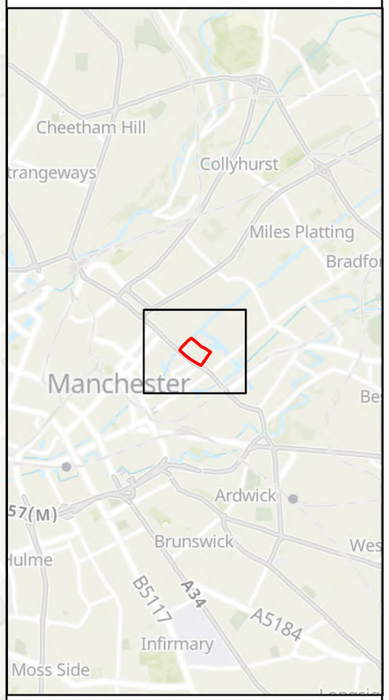
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- EIA Site Boundary
- Ashton Canal and Peak Forest Canal (Lower Section)
- Rochdale Canal (Western Section)
- New Islington Marina



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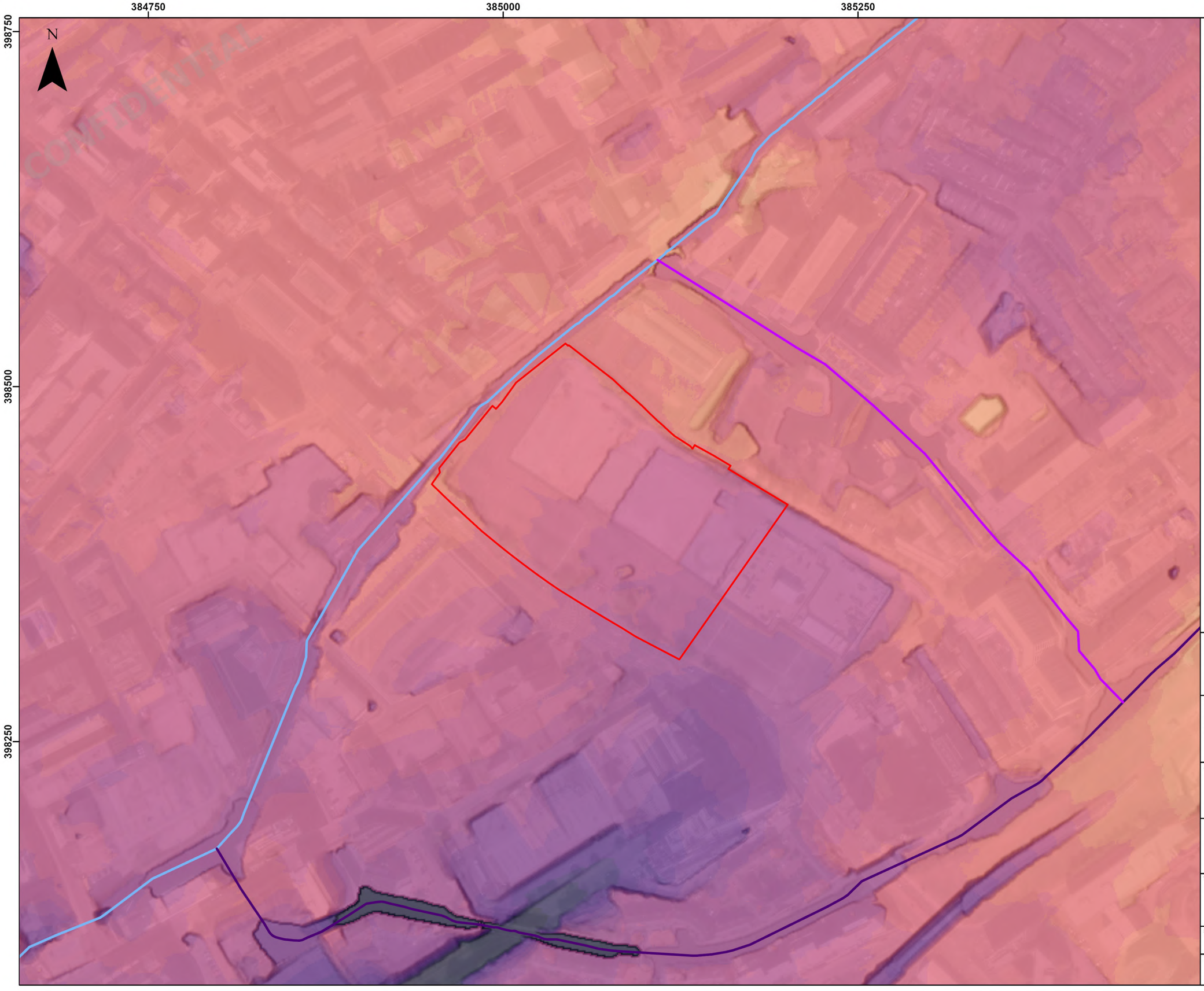
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Environmental Statement

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Figure 19.2.1 Location of Manchester Digital Campus

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EIA Site Boundary

Ashton Canal and Peak Forest Canal (Lower Section)

Rochdale Canal (Western Section)

New Islington Marina

Elevation (mAOD)

60

27

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Figure 19.2.2 Topographic Relief of the Manchester Digital Campus

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Gun St Henry St Lever Street Redhill St Lockyard La Weybridge Rd
Pickford St Dean St Port St
Tariff St Hilton St Lizard St Brewer St China La Ancoats Old Mill St
Ducie St Millbank St Pollard Street
Great Ancoats Street
Juliand St Store St
B6181

A62 A665

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EIA Site Boundary
Ashton Canal and Peak Forest Canal (Lower Section)
Rochdale Canal (Western Section)
New Islington Marina
Flood Zone 1
Flood Zone 2
Flood Zone 3

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Figure 19.2.6 Environment Agency Flood Map for Planning

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New Islington Free School

Ancoats

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Gun St Henry St Lever Street Redhill St Pickford St Lockyard La Weybridge Rd

Dean St Port St Tariff St Hilton St Lizard St Brewer St China La

Great Ancoats Street Old Mill St Ducie St Millbank St Pollard Street

Juland St Store St

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EIA Site Boundary

Ashton Canal and Peak Forest Canal (Lower Section)

Rochdale Canal (Western Section)

New Islington Marina

Risk of Flooding from Rivers to the Sea

High

Medium

Low

Very Low

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Figure 19.2.7 Environment Agency Risk of Flooding from Rivers or the Sea

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Loom St Blossom St Hood St Cotton St Murray St Gun St Henry St Lever Street

New Union St Redhill St Lockyard La Weybridge Rd

New Islington Free School

Pickford St Deane St Port St Tariff St Hilton St Brewer St Lizard St China La

Ancoats Great Ancoats Street Old Mill St Millbank St Ducie St Pollard Street

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- EIA Site Boundary
- New Islington Marina
- Ashton Canal and Peak Forest Canal (Lower Section)
- Rochdale Canal (Western Section)

Extent of Flooding from Surface Water

- High
- Medium
- Low

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Figure 19.2.8 Surface Water Flood Risk Extent

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EIA Site Boundary

Ashton Canal and Peak Forest Canal (Lower Section)

Rochdale Canal (Western Section)

New Islington Marina

Water Depth in a High Risk Scenario

Below 150mm

150-300mm

300-600mm

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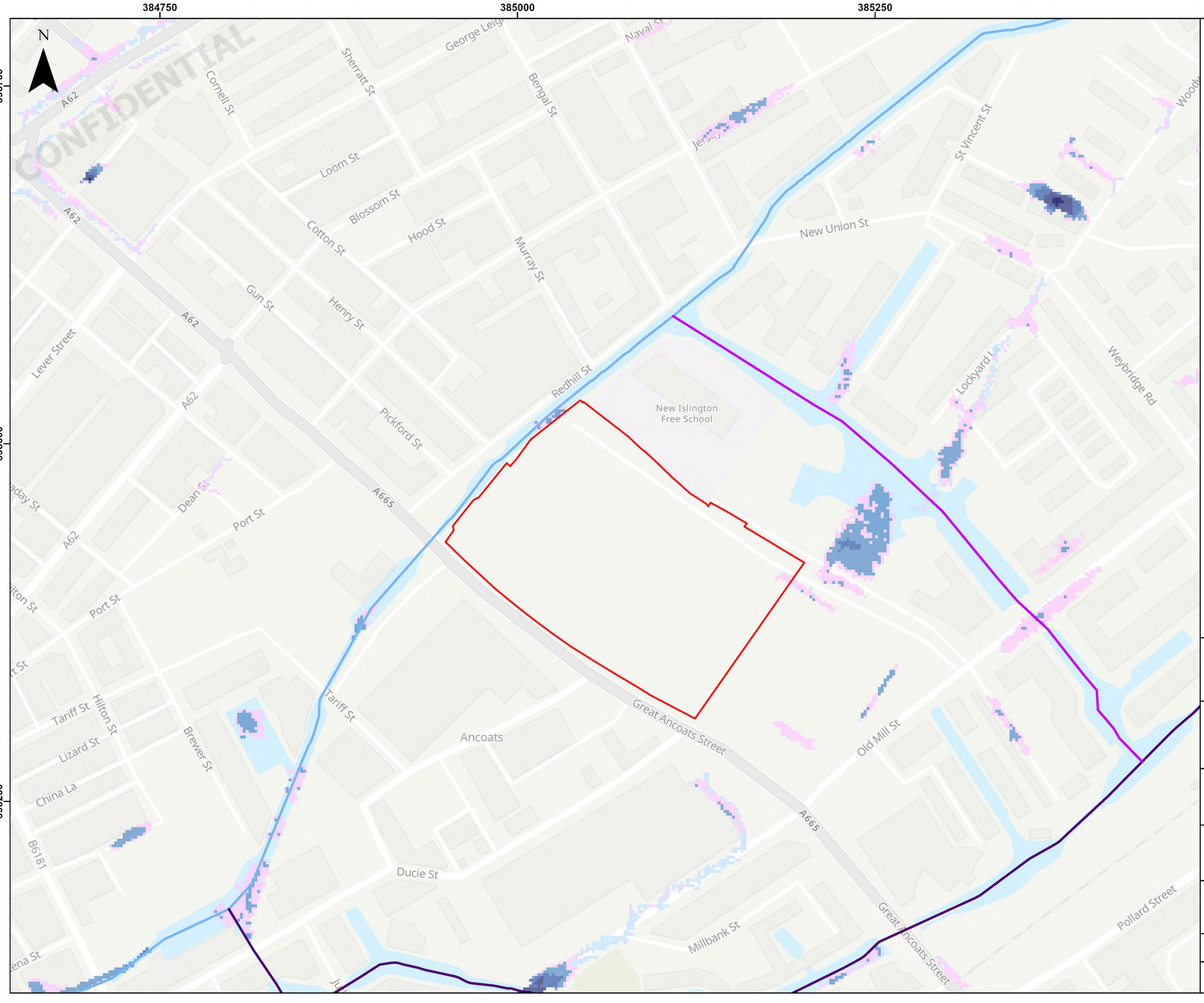
Figure 19.2.9 High-Risk Scenario Surface Water Flood Depth

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- Rochdale Canal (Western Section)
- New Islington Marina

Water Depth in a Medium Risk Scenario

- Below 150mm
- 150-300mm
- 300-600mm
- 600-900mm
- 900-1200mm
- Over 1200mm

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Figure 19.2.10 Medium-Risk Scenario Surface Water Flood Depth

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EIA Site Boundary

1km Buffer

Bedrock Lithology

- Mudstone, Siltstone and Sandstone
- Mudstone, Siltstone, Coal, Ironstone and Ferricrete
- Sandstone and Conglomerate, Interbedded
- Siltstone and Sanstone with Subordinate Mudstone

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Figure 19.3 Bedrock Geology

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EIA Site Boundary
1km Buffer

Superficial Lithology
Clay, Silt and Sand
Diamicton
Sand and Gravel

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Figure 19.4 Superficial Geology

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