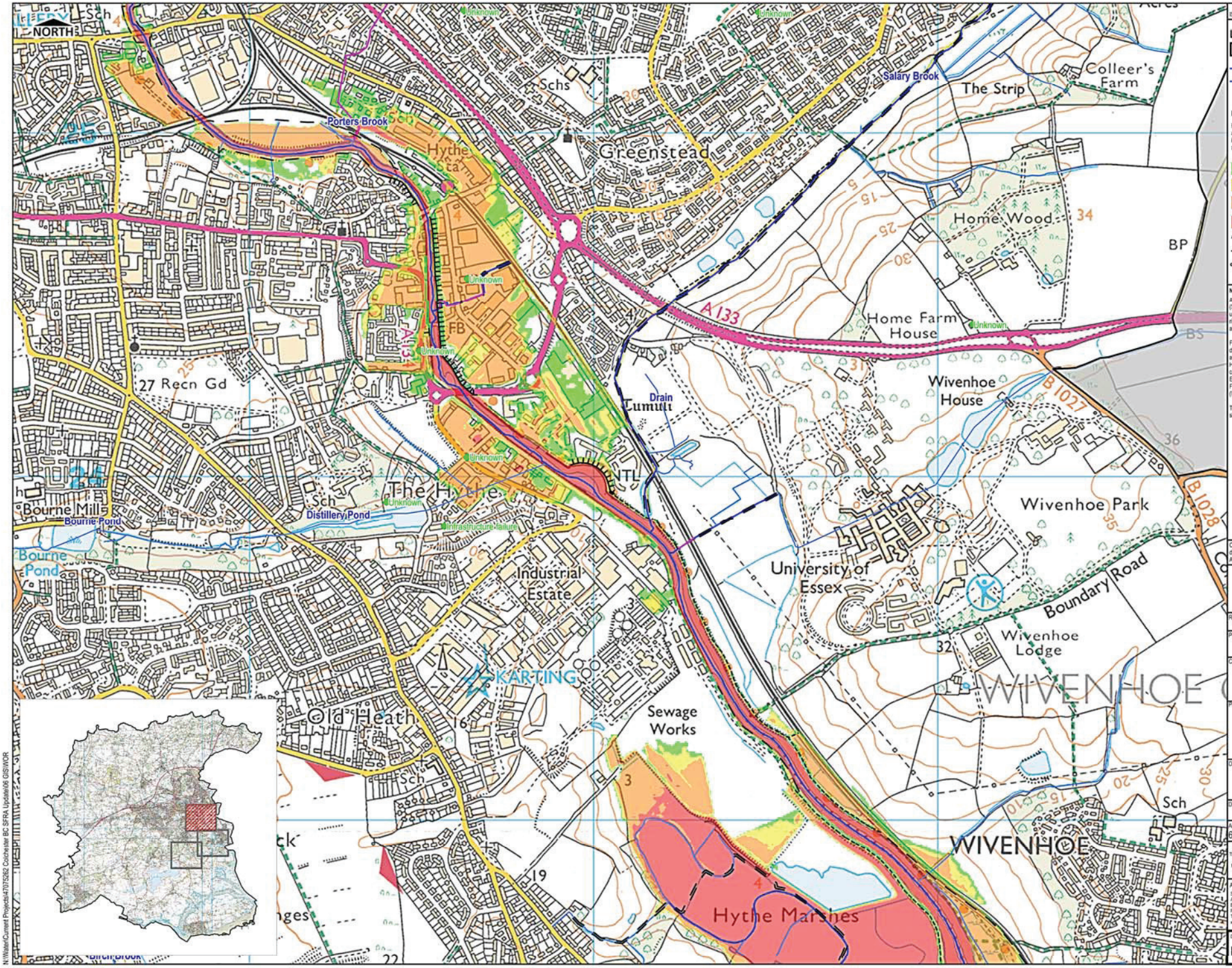

THIS DRAWING IS TO BE USED ONLY FOR THE PURPOSE OF ISSUE THAT IT WAS ISSUED FOR AND IS SUBJECT TO AMENDMENT

LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)

Hazard Rating

Flood hazard is calculated as a function of the flood depth and flow velocity at a particular point in the floodplain, along with a suitable debris factor, and is based on the methodology from Flood Risks to People FD2320 (Defra and Environment Agency, 2005).

- Low Hazard
- Moderate Hazard (Danger for Some)
- Significant Hazard (Danger for Most)
- Extreme Hazard (Danger for All)

Asset Information Management System - Defences

- Embankment
- High Ground
- Flood Gate
- Wall

Notes

As part of the update to the Level 2 Strategic Flood Risk Assessment (SFRA) for Colchester Borough Council (BC), revised modelling has been undertaken to provide an up to date assessment of the residual tidal flood risk to Colchester town centre in the event of a breach of the Colne Barrier at Wivenhoe. Details are provided in Appendix B.

Flood hazard is a function of the flood depth and flow velocity as well as a debris factor. Each grid cell within the TUFLOW model domain has been assigned one of four hazard categories: 'Extreme Hazard', 'Significant Hazard', 'Moderate Hazard', and 'Low Hazard'. The derivation of these categories is based on Flood Risks to People FD2321 (Defra & Environment Agency, 2005), using the following equation:
Flood Hazard Rating = ((v+0.5)*D) + DF
(Where v = velocity (m/s), D = depth (m) and DF = debris factor)

This map is intended to provide a strategic overview of flood risk and should not be used to assess flood risk for individual properties.

Revision Details	By / Check	Check Date	Suffix

Purpose of Issue: VERSION 1

Client: Colchester, the place to live, learn, work, and visit.

Project Title: COLCHESTER BOROUGH COUNCIL STRATEGIC FLOOD RISK ASSESSMENT

Drawing Title: COLNE BARRIER BREACH MODELLING MAXIMUM FLOOD HAZARD 0.5% AEP (200YR) 2015

Drawn	Checked	Approved	Date
SL	SK	CP	AUG 2016

AECOM Internal Project No.	Scale at A3
60473444	1:10,000

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Scott House
Alencon Link
Basingstoke
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Drawing Number: FIGURE A12 | Rev: 1

CBC/0031(2/3)B

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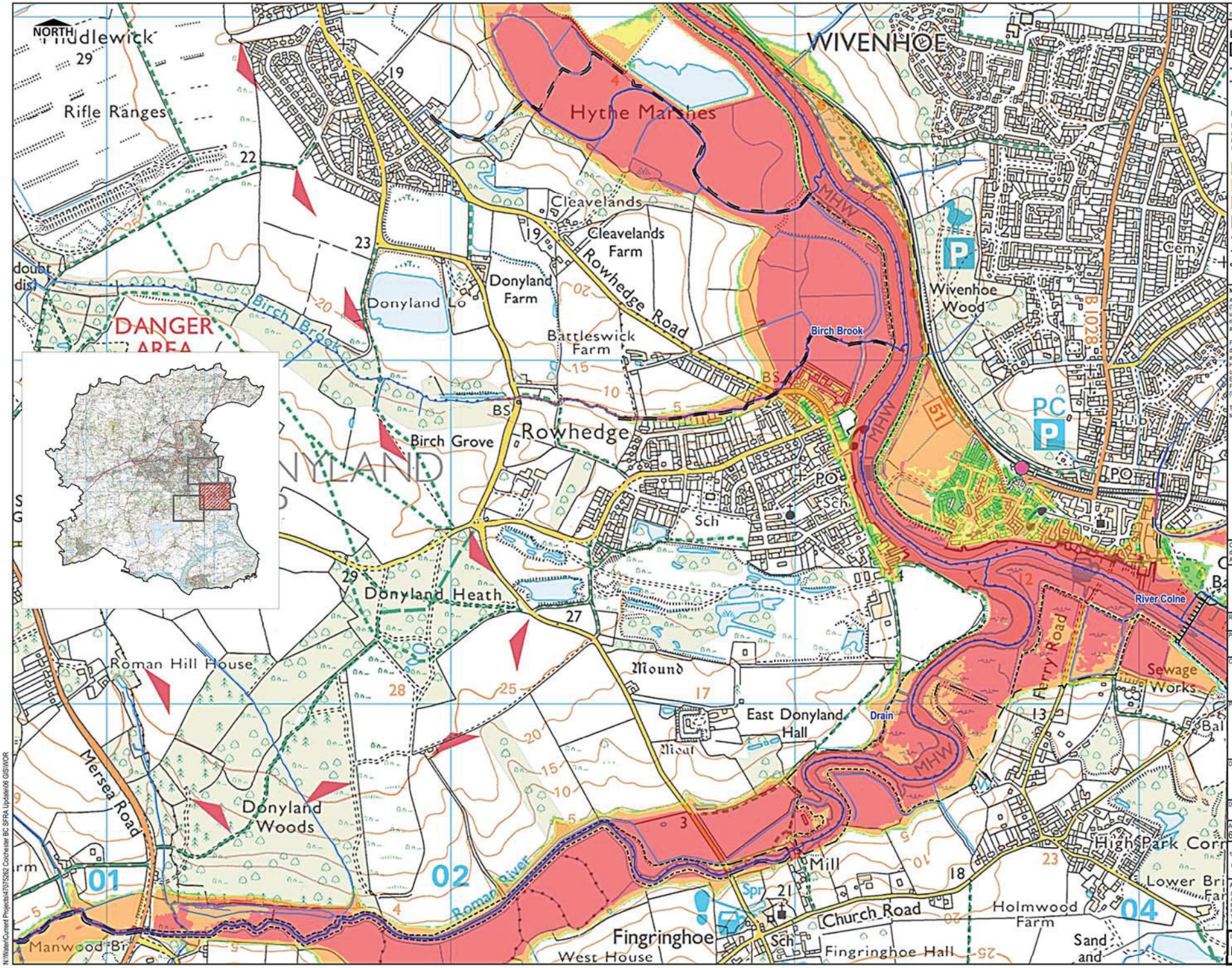

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LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)

Hazard Rating

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- Low Hazard
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- Significant Hazard (Danger for Most)
- Extreme Hazard (Danger for All)

Asset Information Management System - Defences

- Embankment
- High Ground
- Flood Gate
- Wall

Notes

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(Where v = velocity (m/s), D = depth (m) and DF = debris factor)

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Revision Details	By	Check	Date	Suffix

Purpose of Issue: VERSION 1

Client: Colchester, the place to live, learn, work, and visit.

Project Title: COLCHESTER BOROUGH COUNCIL STRATEGIC FLOOD RISK ASSESSMENT

Drawing Title: COLNE BARRIER BREACH MODELLING MAXIMUM FLOOD HAZARD 0.5% AEP (200YR) 2015

Drawn	Checked	Approved	Date
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AECOM Internal Project No.	Scale at A3
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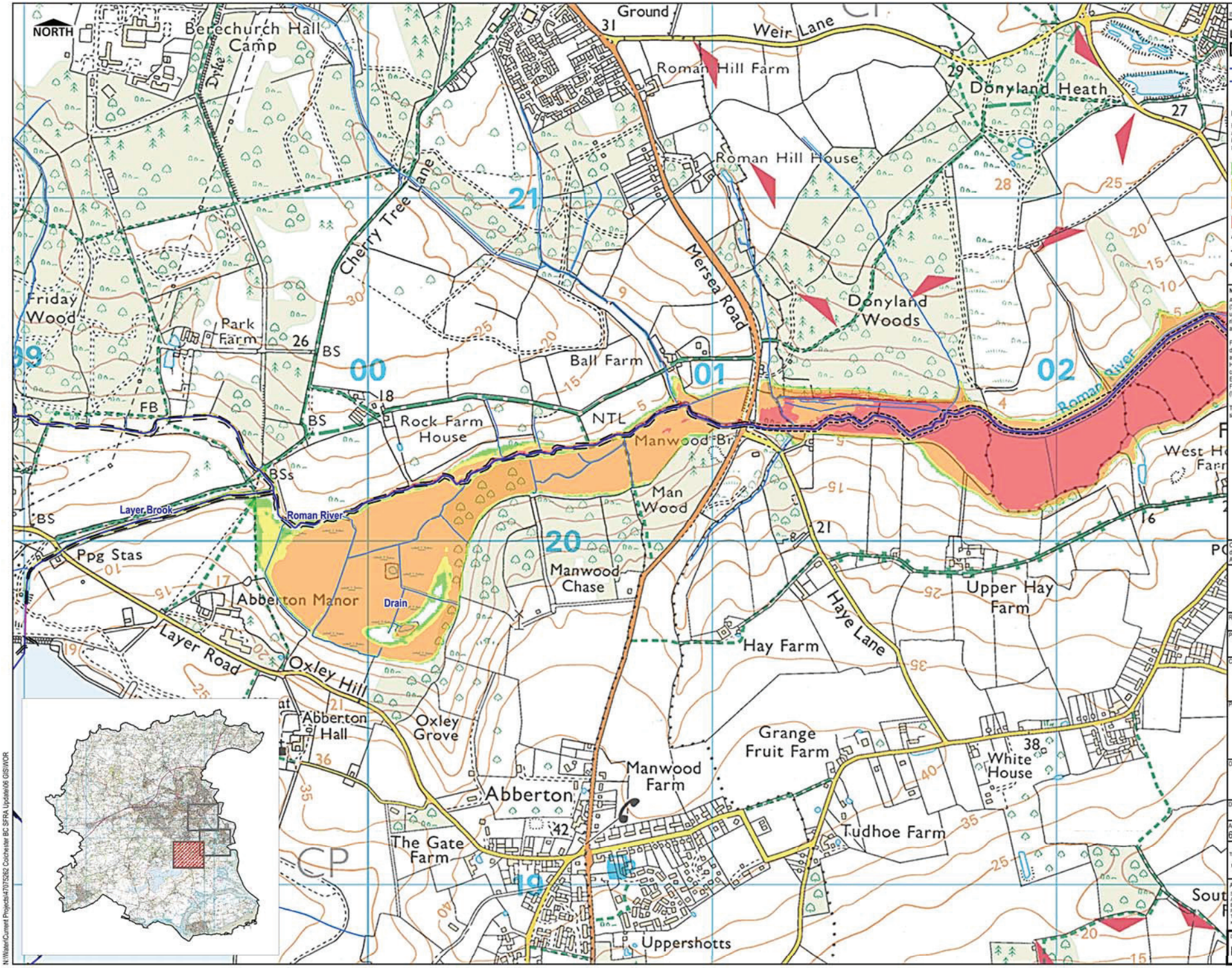

LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)

Hazard Rating

Flood hazard is calculated as a function of the flood depth and flow velocity at a particular point in the floodplain, along with a suitable debris factor, and is based on the methodology from Flood Risks to People FD2320 (Defra and Environment Agency, 2005).

- Low Hazard
- Moderate Hazard (Danger for Some)
- Significant Hazard (Danger for Most)
- Extreme Hazard (Danger for All)

Asset Information Management System - Defences

- Embankment
- High Ground
- Flood Gate
- Wall

Notes

As part of the update to the Level 2 Strategic Flood Risk Assessment (SFRA) for Colchester Borough Council (BC), revised modelling has been undertaken to provide an up to date assessment of the residual tidal flood risk to Colchester town centre in the event of a breach of the Colne Barrier at Wivenhoe. Details are provided in Appendix B.

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Revision Details	By / Check	Check Date	Suffix

Purpose of Issue: VERSION 1

Client: Colchester, the place to live, learn, work, and visit.

Project Title: COLCHESTER BOROUGH COUNCIL STRATEGIC FLOOD RISK ASSESSMENT

Drawing Title: COLNE BARRIER BREACH MODELLING MAXIMUM FLOOD HAZARD 0.5% AEP (200YR) 2015

Drawn	Checked	Approved	Date
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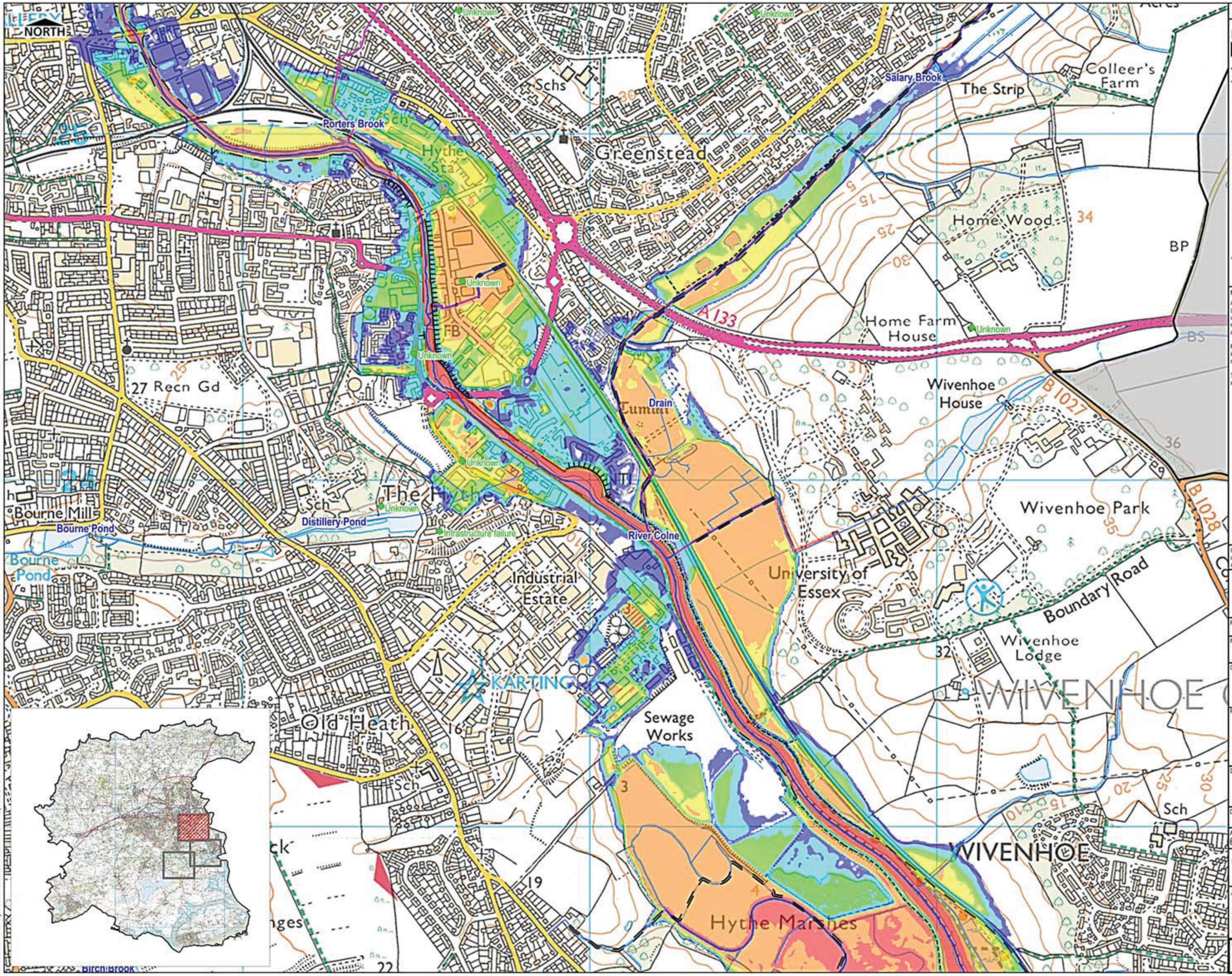

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LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)

Maximum Flood Depth (m)

- 0.1 - 0.5m
- 0.5 - 1.0m
- 1.0 - 1.5m
- 1.5 - 2.0m
- 2.0 - 3.0m
- > 3.0m

Asset Information Management System - Defences

- Embankment
- High Ground
- Flood Gate
- Wall

Notes

As part of the update to the Level 2 Strategic Flood Risk Assessment (SFRA) for Colchester Borough Council (BC), revised modelling has been undertaken to provide an up to date assessment of the residual tidal flood risk to Colchester town centre in the event of a breach of the Colne Barrier at Wivenhoe. Details are provided in Appendix B.

Maximum flood depth mapping has been generated which shows the maximum depth of flooding experienced at each point in the floodplain throughout the entire model simulation.

This map is intended to provide a strategic overview of flood risk and should not be used to assess flood risk for individual properties.

Revision Details	By / Check	Check Date	Suffix

Purpose of Issue: VERSION 1

Client: Colchester, the place to live, learn, work, and visit.

Project Title: COLCHESTER BOROUGH COUNCIL STRATEGIC FLOOD RISK ASSESSMENT

Drawing Title: COLNE BARRIER BREACH MODELLING MAXIMUM FLOOD DEPTH 0.5% AEP (200YR) INCL. CLIMATE CHANGE 2115

Drawn	Checked	Approved	Date
SL	SK	CP	AUG 2016

AECOM Internal Project No. 60473444 — Scale at A3 1:10,000

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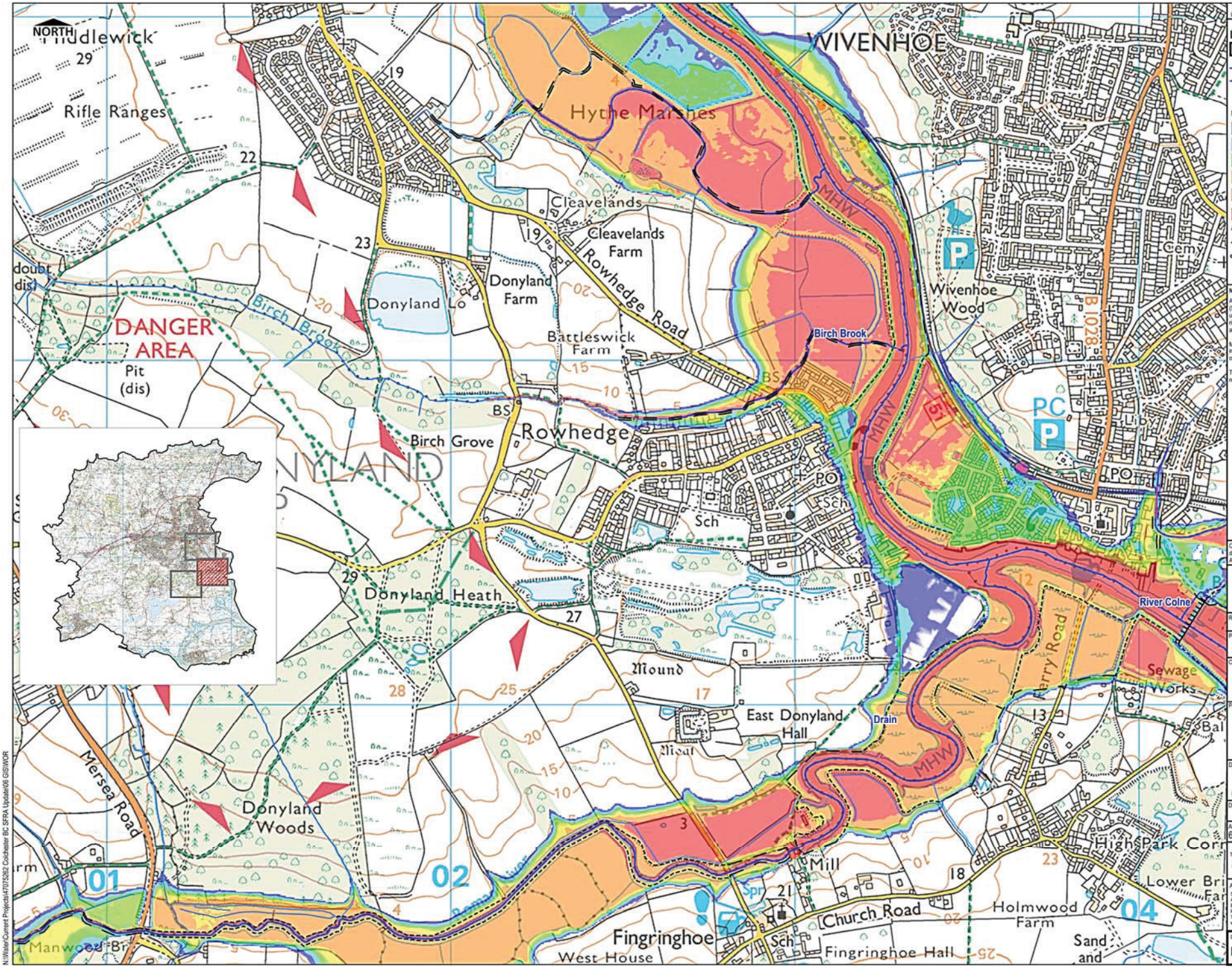

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LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)

Maximum Flood Depth (m)

- 0.1 - 0.5m
- 0.5 - 1.0m
- 1.0 - 1.5m
- 1.5 - 2.0m
- 2.0 - 3.0m
- > 3.0m

Asset Information Management System - Defences

- Embankment
- High Ground
- Flood Gate
- Wall

Notes

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Revision Details	By / Check	Check Date	Suffix

Purpose of Issue: VERSION 1

Client: Colchester, the place to live, learn, work, and visit.

Project Title: COLCHESTER BOROUGH COUNCIL STRATEGIC FLOOD RISK ASSESSMENT

Drawing Title: COLNE BARRIER BREACH MODELLING MAXIMUM FLOOD DEPTH 0.5% AEP (200YR) INCL. CLIMATE CHANGE 2115

Drawn	Checked	Approved	Date
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AECOM Internal Project No.	Scale at A3
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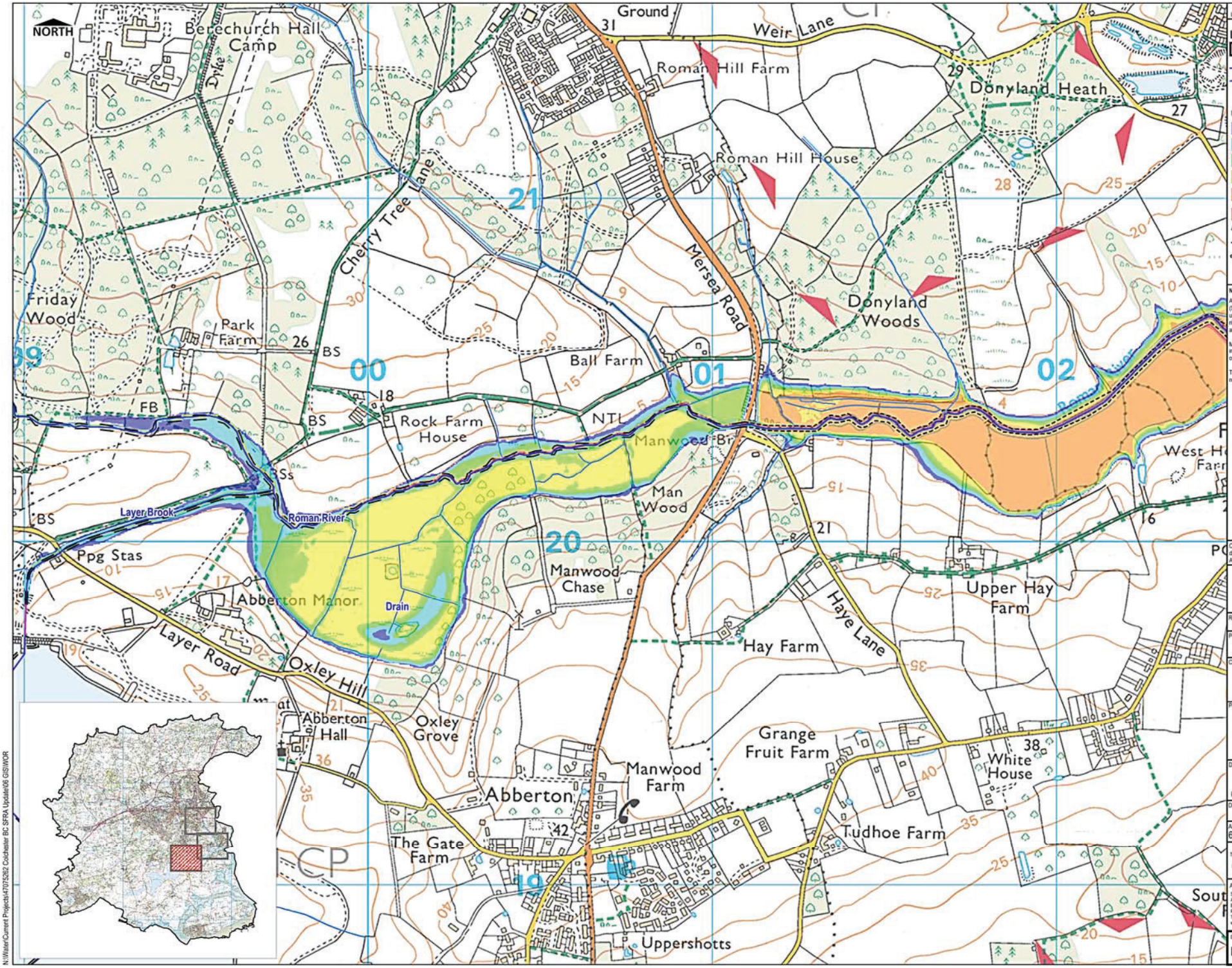

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LEGEND

- Administrative Boundaries
- Main River
- Ordinary Watercourse
- Flood Records (Essex County Council)

Maximum Flood Depth (m)

- 0.1 - 0.5m
- 0.5 - 1.0m
- 1.0 - 1.5m
- 1.5 - 2.0m
- 2.0 - 3.0m
- > 3.0m

Asset Information Management System - Defences

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- Flood Gate
- Wall

Notes

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Revision Details	By / Check	Check Date	Suffix

Purpose of Issue: VERSION 1

Client: Colchester, the place to live, learn, work, and visit.

Project Title: COLCHESTER BOROUGH COUNCIL STRATEGIC FLOOD RISK ASSESSMENT

Drawing Title: COLNE BARRIER BREACH MODELLING MAXIMUM FLOOD DEPTH 0.5% AEP (200YR) INCL. CLIMATE CHANGE 2115

Drawn	Checked	Approved	Date
SL	SK	CP	AUG 2016

AECOM Internal Project No.: 60473444

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Drawing Number: FIGURE A17

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