

Key

- Borough Boundary
- Strategic Development Area
- Opportunity Sites
- Main Rivers
- Flood Zone 3b
- Flood Zone 3
- Fluvial / Tidal
- Fluvial Models
- Tidal Models
- Flood Zone 2

Note:

- 1) In accordance with the National Planning Practice Guidance existing solid buildings within Flood Zone 3b (functional floodplain) should be treated as being within Flood Zone 3a. Additionally areas identified as FZ3b but protected by existing defences or infrastructure should also be treated as FZ3a.
- 2) Flood Zone 3b has been based on two sources: the 5% AEP flood extent outlines from the Black's Brook, BIM and Mardyke models or the 'High' NaFRA classification for Emerson Park Stream, Paines Brook and Weald Brook

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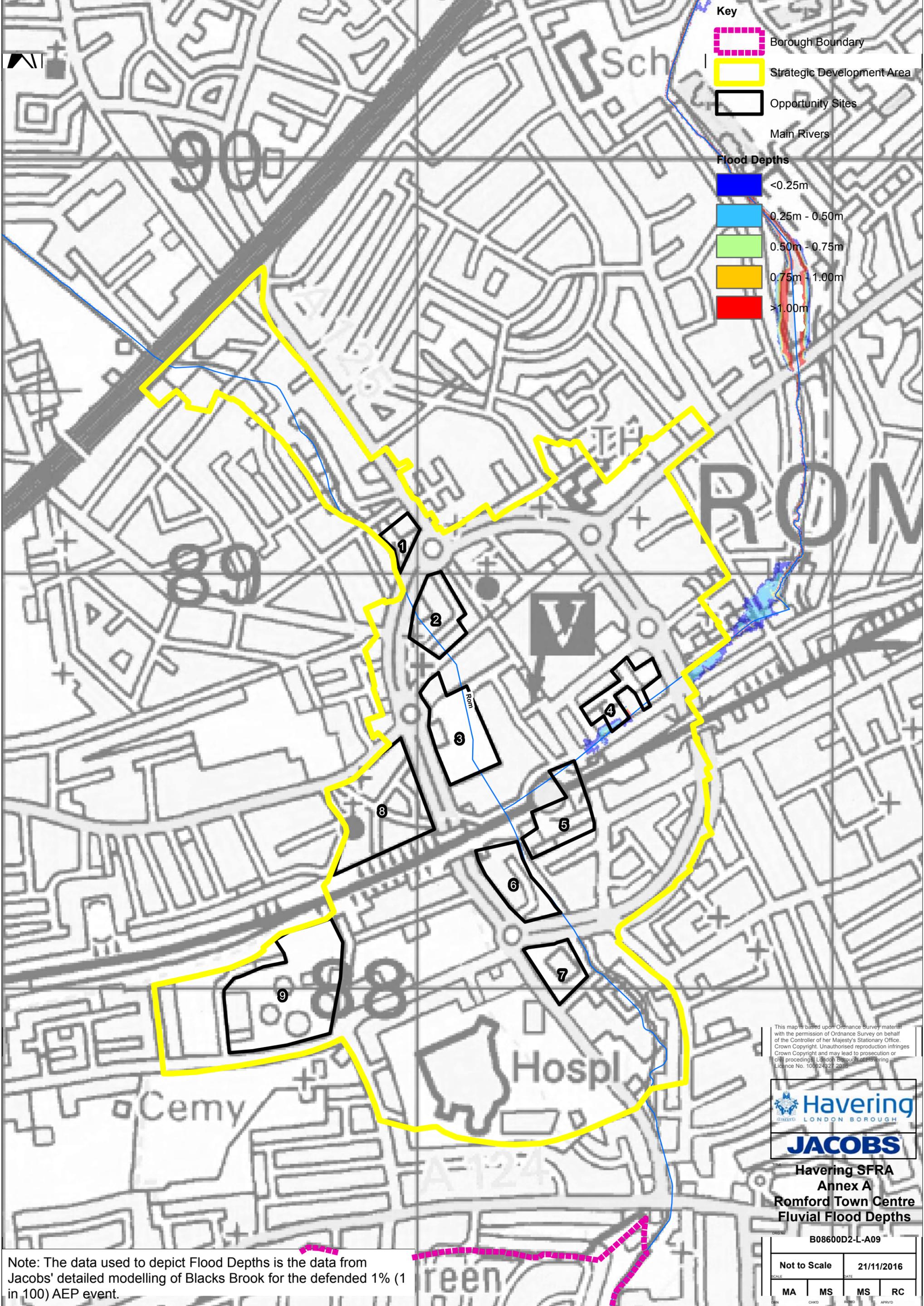


Havering
LONDON BOROUGH



JACOBS

TITLE			
Havering SFRA Annex A Romford Town Centre Flood Zones			
ORG No			
B08600D2-L-A08			
Not to Scale		21/11/2016	
SCALE	DATE	SCALE	DATE
MA	MS	MS	RC
<small>DRN</small>	<small>CHKD</small>	<small>REVD</small>	<small>APPRVD</small>



Key

- Borough Boundary
- Strategic Development Area
- Opportunity Sites
- Main Rivers

Flood Depths

- <0.25m
- 0.25m - 0.50m
- 0.50m - 0.75m
- 0.75m - 1.00m
- >1.00m

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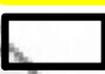
**Havering SFRA
Annex A
Romford Town Centre
Fluvial Flood Depths**

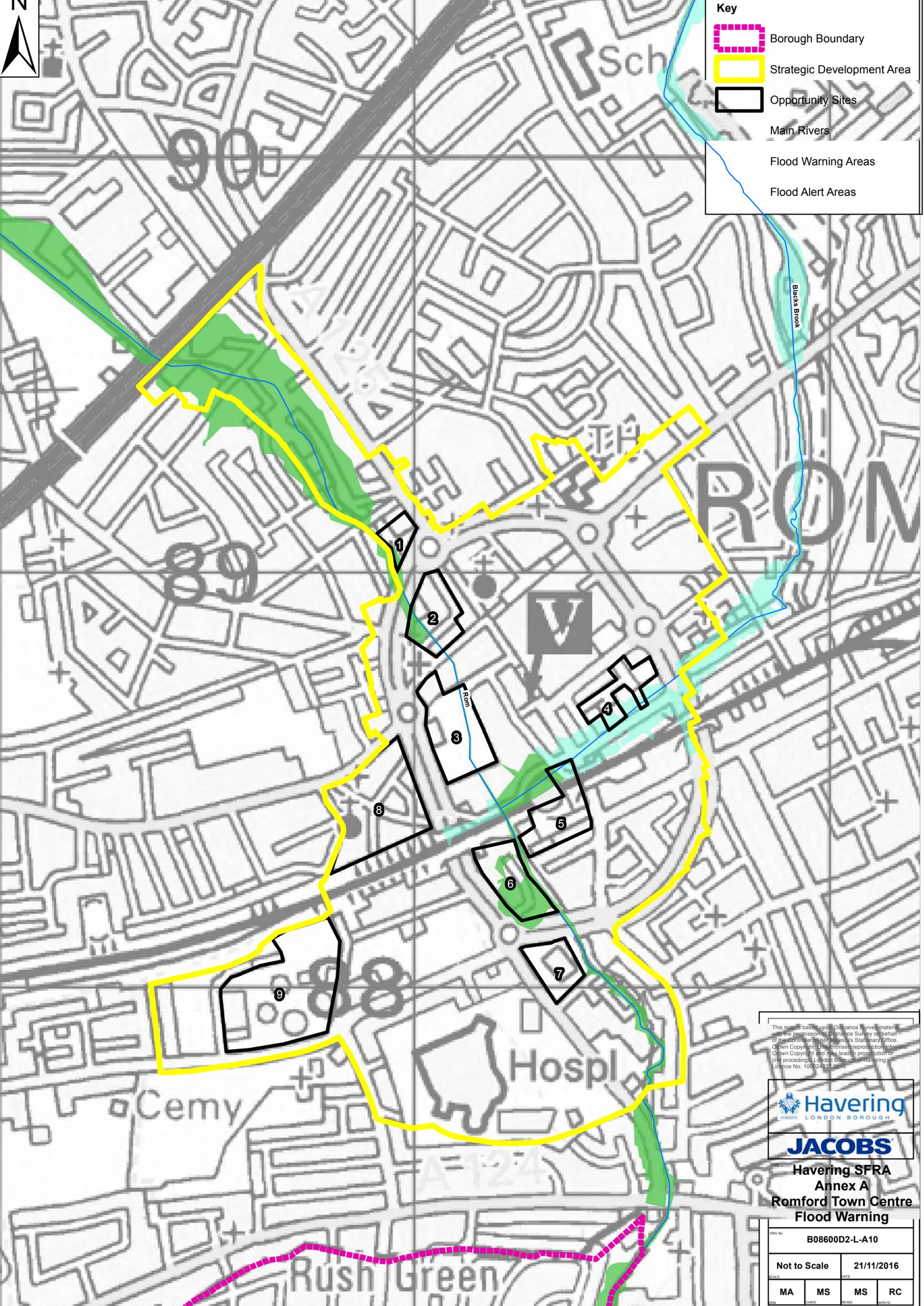
ORGID: B08600D2-L-A09			
Not to Scale		21/11/2016	
SCALE	DATE	MA	MS
MA	MS	MS	RC
ESN	CHKD	REVD	APPRVD

Note: The data used to depict Flood Depths is the data from Jacobs' detailed modelling of Blacks Brook for the defended 1% (1 in 100) AEP event.



Key

-  Borough Boundary
-  Strategic Development Area
-  Opportunity Sites
-  Main Rivers
-  Flood Warning Areas
-  Flood Alert Areas

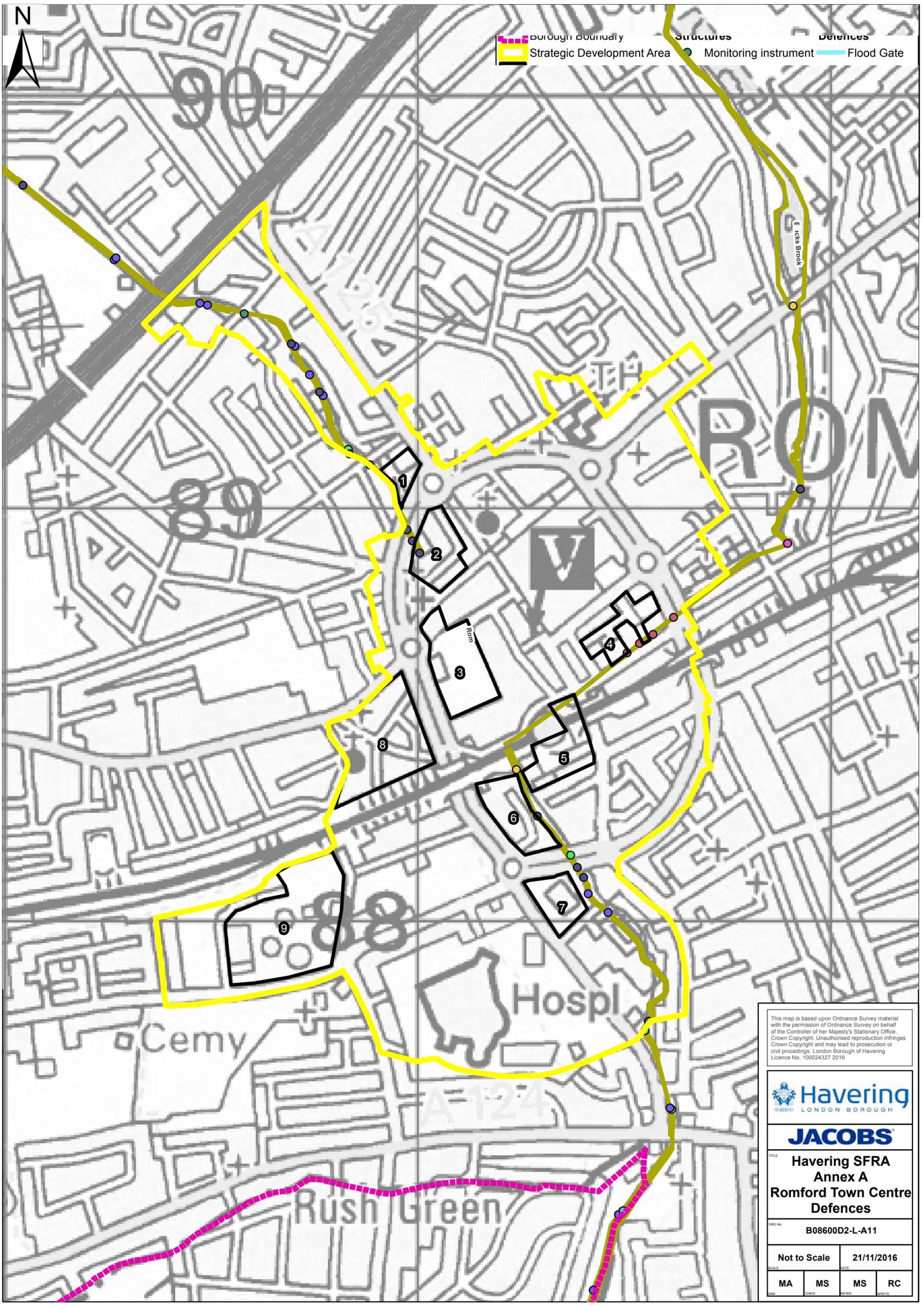


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**Havering SFRA
Annex A
Romford Town Centre
Flood Warning**

ORG No		B08600D2-L-A10	
Not to Scale		21/11/2016	
SCALE	DATE	SCALE	DATE
MA	MS	MS	RC
DRN	CHKD	REWD	APPRD



- Borough Boundary
- Strategic Development Area
- Structures
- Monitoring instrument
- Flood Gate
- Defences



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TITLE
**Havering SFRA
 Annex A
 Romford Town Centre
 Defences**

DRG No
B08600D2-L-A11

Not to Scale	21/11/2016
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MA	MS	MS	RC
DRN	CHKD	REWD	APRD



Key

- Borough Boundary
- Strategic Development Area
- Opportunity Sites
- Main Rivers
- Havering Critical Drainage Areas
- uFMfSW 3.3% [1 in 30] Flood Extent
- uFMfSW 1% [1 in 100] Flood Extent
- uFMfSW 0.1% [1 in 1000] Flood Extent

Romford North

Romford South

Blacks Brook

1

2

3

4

8

5

6

7

9

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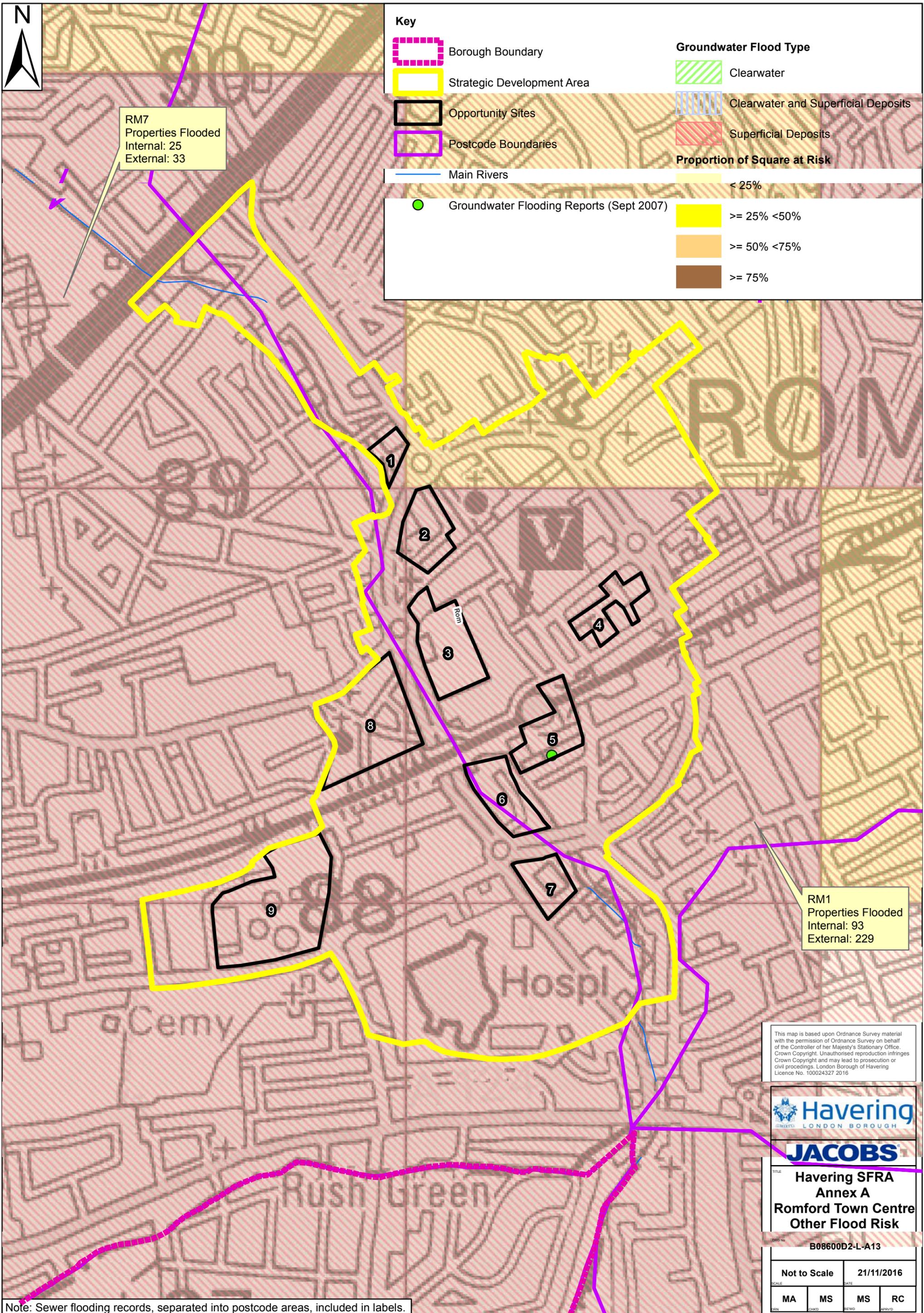
**Havering SFRA
Annex A
Romford Town Centre
Surface Water**

ORGAN: B08600D2-L-A12

Not to Scale 21/11/2016

SCALE	MA	MS	MS	RC
	MA	MS	MS	RC
	CHGD	REVD	APPRVD	

Notes:
The updated Flood Map for Surface Water (uFMfSW) shows the flooding that takes place from the 'surface runoff' generated by rainwater (including snow and other precipitation) which:
1) is on the surface of the ground (whether or not it is moving), and
2) has not yet entered a watercourse, drainage system or public sewer.



RM7
Properties Flooded
Internal: 25
External: 33

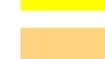
Key

-  Borough Boundary
-  Strategic Development Area
-  Opportunity Sites
-  Postcode Boundaries
-  Main Rivers

Groundwater Flood Type

-  Clearwater
-  Clearwater and Superficial Deposits
-  Superficial Deposits

Proportion of Square at Risk

-  < 25%
-  >= 25% < 50%
-  >= 50% < 75%
-  >= 75%

 Groundwater Flooding Reports (Sept 2007)

Note: Sewer flooding records, separated into postcode areas, included in labels.

RM1
Properties Flooded
Internal: 93
External: 229

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TITLE
**Havering SFRA
Annex A
Romford Town Centre
Other Flood Risk**

ORG No
B08600D2-L-A13

SCALE	DATE
Not to Scale	21/11/2016

MA	MS	MS	RC
DRN	CHKD	REWD	APPRVD