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
Legend

 Borough Boundary

BGS Susceptibility to Groundwater Flooding

 Limited potential for groundwater flooding to occur

 Potential for groundwater flooding of property situated below ground level

 Potential for groundwater flooding to occur at surface

in association with



Metis Consultants Limited



Client



Project Title

London Borough of Richmond Upon Thames Strategic
Flood Risk Assessment Level 1

Drawing Title

BGS Susceptibility to Groundwater Flooding

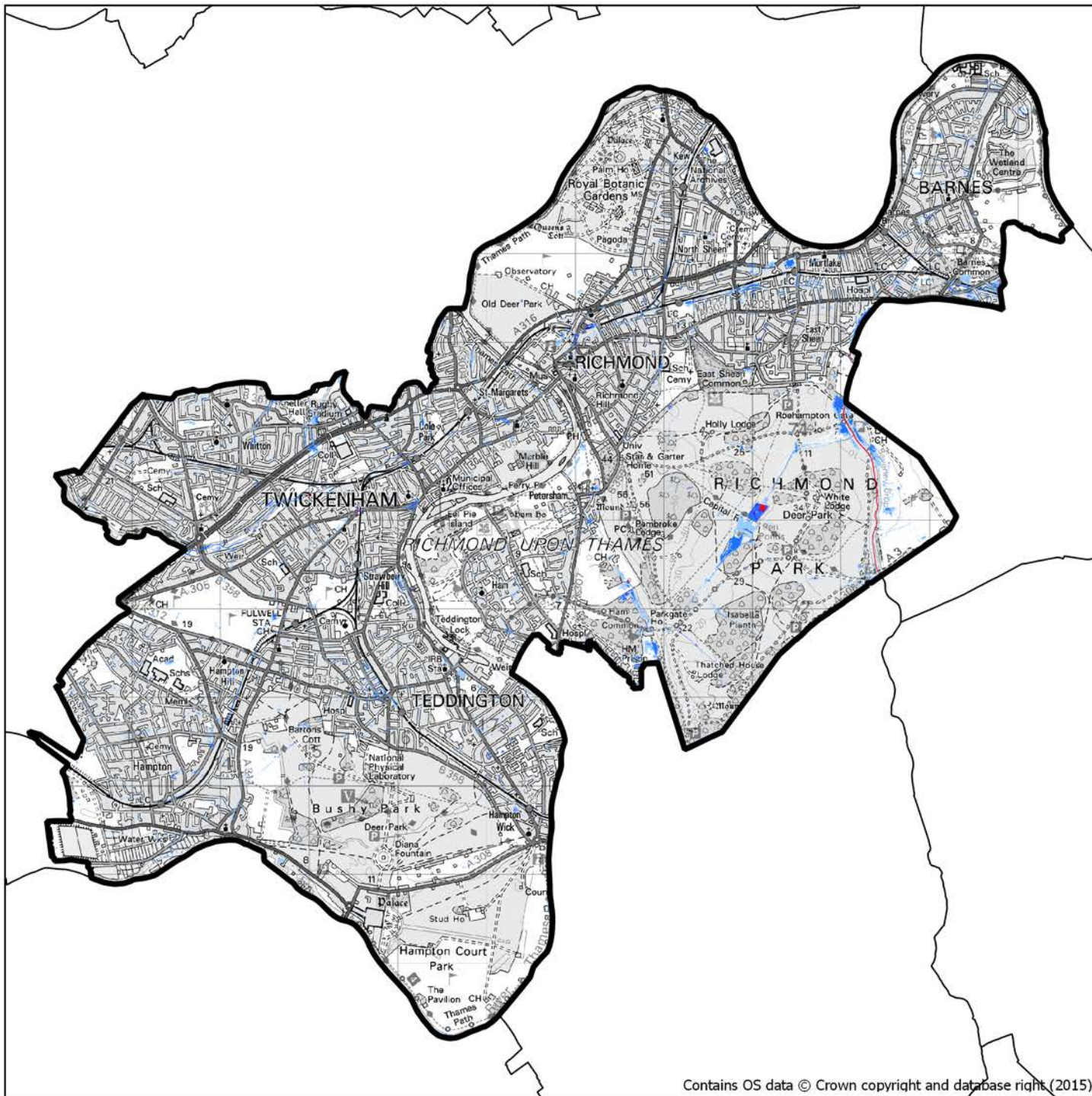
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Drawing Number


FIGURE E

1:65,000











Legend

 Borough Boundary

Predicted Surface Water Flood Depth (m)

-  0.00 - 0.15
-  0.15 - 0.30
-  0.30 - 0.60
-  0.60 - 0.90
-  0.90 - 1.20
-  > 1.20

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Client



Project Title

London Borough of Richmond Upon Thames Strategic
Flood Risk Assessment Level 1

Drawing Title

Updated Flood Map for Surface Water

1% chance of flooding in any one year

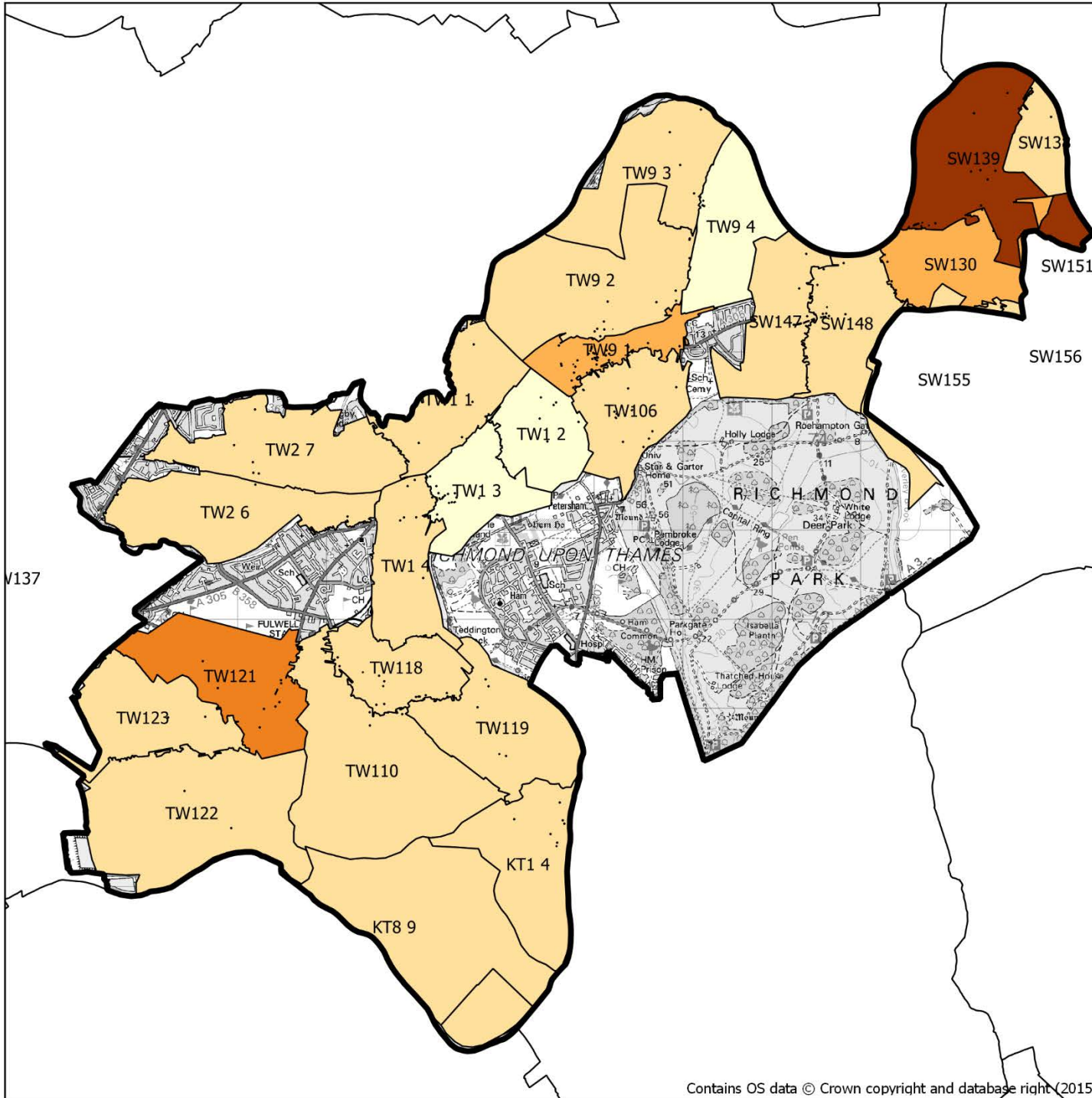
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Drawing Number

FIGURE G

1:65,000

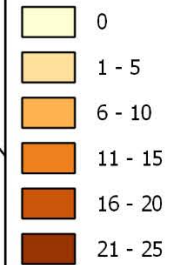




Legend

Borough Boundary

Number of Sewer Flooding Incidents based on DG5 data



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Project Title

London Borough of Richmond Upon Thames Strategic Flood Risk Assessment Level 1

Drawing Title

Sewer Flooding Incidents

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Drawing Number

FIGURE I

1:65,000

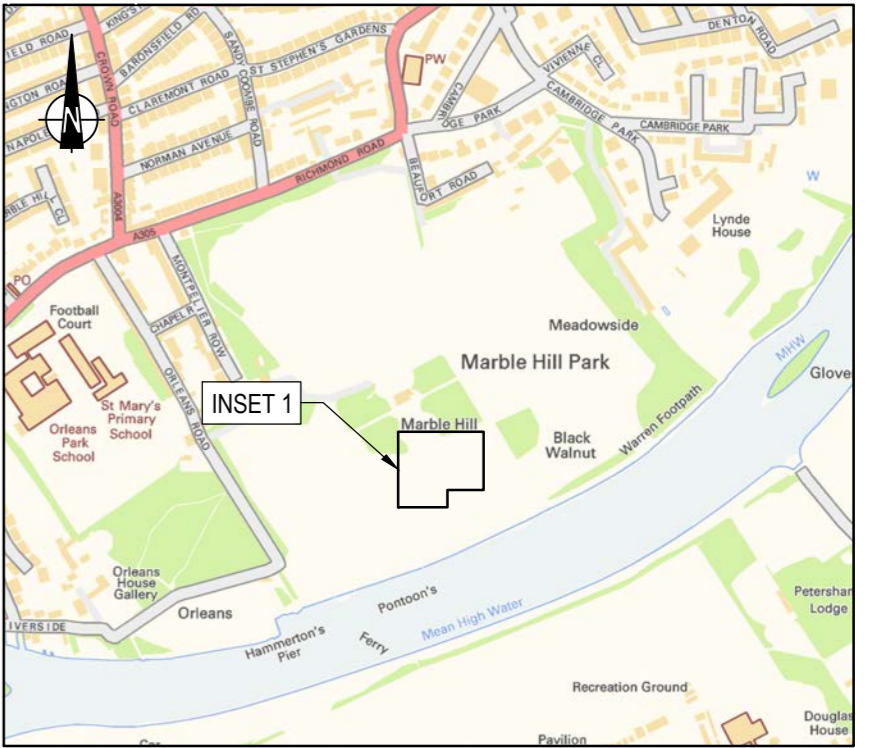
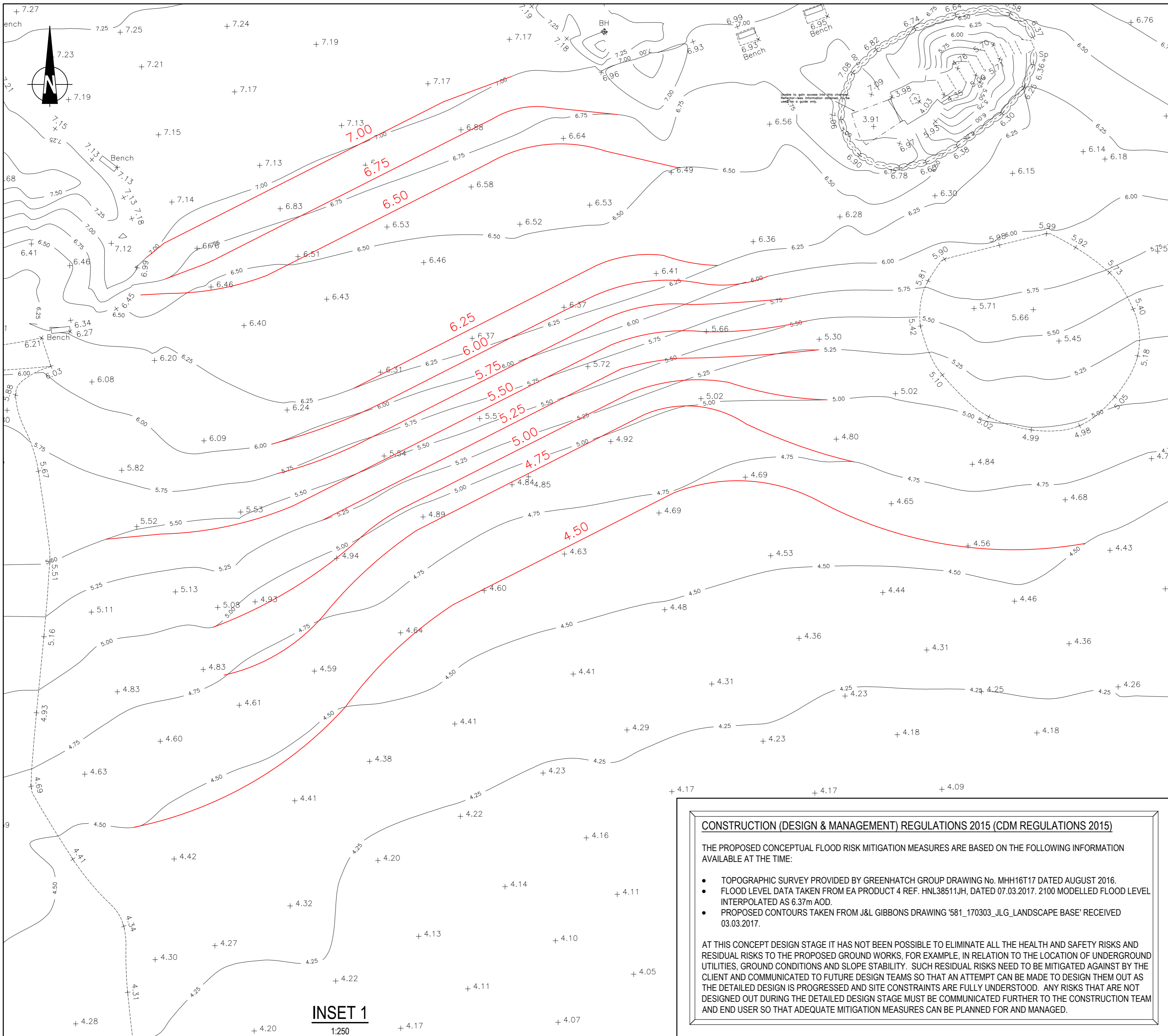


Appendix G Flood Storage Compensation

Flood Compensation Scheme undertaken by Peter Brett Associates LLP, dated 16.03.17:

- 40611/4001/001 'Flood Compensation Analysis'

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KEY PLAN
1:10,000

FLOOD COMPENSATION ANALYSIS			
LEVEL BANDS (m AOD)	EXISTING STORAGE (m³)	PROPOSED STORAGE AFTER CONTOURS AMENDED (m³)	NET GAIN (m³)
6.30-6.10	2401	2432	31
6.10-5.90	2271	2292	21
5.90-5.70	2154	2173	19
5.70-5.50	2044	2058	14
5.50-5.30	1925	1936	11
5.30-5.10	1812	1823	11
5.10-4.90	1692	1702	10
4.90-4.70	1525	1551	26
4.70-4.50	1314	1360	46
4.50-4.30	968	983	15

TOTAL GAIN (m³) 204

KEY:
— 7.00 PROPOSED CONTOUR AND LEVEL (m AOD)

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Mark	Revision	Date	Drawn	Chkd	Appd

SCALING NOTE: Do not scale from this drawing. If in doubt, ask.
UTILITIES NOTE: The position of any existing public or private sewers, utility services, plant or apparatus shown on this drawing is believed to be correct, but no warranty to this is expressed or implied. Other such plant or apparatus may also be present but not shown. The Contractor is therefore advised to undertake their own investigation where the presence of any existing sewers, services, plant or apparatus may affect their operations.

Drawing Issue Status
FOR INFORMATION

MARBLE HILL PARK
FLOOD COMPENSATION ANALYSIS

Date of 1st Issue	Designed	Drawn	Offices throughout the UK and Europe www.peterbrett.com © Peter Brett Associates LLP READING Tel: 01189 500 761
09.03.2017	-	smr	
A2 Scale	Checked	Approved	
AS SHOWN	CC	-	
Drawing Number	Revision		
40611/4001/001	-		

CONSTRUCTION (DESIGN & MANAGEMENT) REGULATIONS 2015 (CDM REGULATIONS 2015)

THE PROPOSED CONCEPTUAL FLOOD RISK MITIGATION MEASURES ARE BASED ON THE FOLLOWING INFORMATION AVAILABLE AT THE TIME:

- TOPOGRAPHIC SURVEY PROVIDED BY GREENHATCH GROUP DRAWING No. MHH16T17 DATED AUGUST 2016.
- FLOOD LEVEL DATA TAKEN FROM EA PRODUCT 4 REF. HNL38511JH, DATED 07.03.2017. 2100 MODELLED FLOOD LEVEL INTERPOLATED AS 6.37m AOD.
- PROPOSED CONTOURS TAKEN FROM J&L GIBBONS DRAWING '581_170303_JLG_LANDSCAPE BASE' RECEIVED 03.03.2017.

AT THIS CONCEPT DESIGN STAGE IT HAS NOT BEEN POSSIBLE TO ELIMINATE ALL THE HEALTH AND SAFETY RISKS AND RESIDUAL RISKS TO THE PROPOSED GROUND WORKS, FOR EXAMPLE, IN RELATION TO THE LOCATION OF UNDERGROUND UTILITIES, GROUND CONDITIONS AND SLOPE STABILITY. SUCH RESIDUAL RISKS NEED TO BE MITIGATED AGAINST BY THE CLIENT AND COMMUNICATED TO FUTURE DESIGN TEAMS SO THAT AN ATTEMPT CAN BE MADE TO DESIGN THEM OUT AS THE DETAILED DESIGN IS PROGRESSED AND SITE CONSTRAINTS ARE FULLY UNDERSTOOD. ANY RISKS THAT ARE NOT DESIGNED OUT DURING THE DETAILED DESIGN STAGE MUST BE COMMUNICATED FURTHER TO THE CONSTRUCTION TEAM AND END USER SO THAT ADEQUATE MITIGATION MEASURES CAN BE PLANNED FOR AND MANAGED.

INSET 1
1:250