The Morton Partnership

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THE MORTON PARTNERSHIP LTD.

CONSULTING CIVIL & STRUCTURAL ENGINEERS, HISTORIC BUILDING SPECIALISTS Old Timber Yard House, 55 The Timber Yard Drysdale Street, London N1 6ND Tel: 020 7324 7270 Fax: 020 7729 1196 email: <u>london@themortonpartnership.co.uk</u> www.themortonpartnership.co.uk

PLANNING STAGE DRAINAGE STATEMENT FOR MARBLE HILL HOUSE & STABLES CAFÉ LONDON



Client:	English Heritage
	Brooklands
	24 Brooklands Ave
	Cambridge, CB2 8BU

Prepared by: The Morton Partnership Ltd Old Timber Yard House 55 The Timber Yard Drysdale Street London N1 6ND

Date: August 2018

Ref: PC/19121~ Planning Drainage Statement

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1.0 Introduction

- 1.1 We have worked closely with the design team to develop the underground drainage designs to planning Stage for the revised proposed works to the Stables at Marble Hill House. The following report describes the design principles for the underground drainage.
- 1.2 Provisions are subject to design development and further investigations. As our designs develop, we will work closely with the design team to ensure the structural layouts and details are coordinated.
- 1.3 The drainage proposals will be developed in accordance with all current standards and codes of practice.
- 1.4 The followings drawings produced by van Heyningen and Haward Architects have been referenced to produce this report:
 - 533-L-2010 Proposed-Ground Floor Plan
 - 533-L-2011 Proposed roof plan
 - 533-L-2020 Proposed-Sections sheet 01
 - 533-L-2021 Proposed-Sections sheet 02
 - 533-L-2030 Proposed Elevations sheet 01
 - 533-L-2031 Proposed Elevations sheet 02
- 1.5 The following reports were also used to inform this report:
 - "HLF parks for people, First Round Application, Appendix 2, Feasibility Document", prepared by vHH Architects, dated August 2015
- 1.6 We have prepared the following drawing to accompany this planning statement:
 - 19121/D/50-1/P03 Stable Block below Ground drainage general arrangement
 - 17549/D/50-2-1 Sports Pitch Drainage
 - 17549/D/50-3-1 Historic House Drainage

2.0 Drainage Statement

- 2.1 The house foul will discharge as existing via the existing private combined system that connects to the public system in the road.
- 2.2 Surface water from the north of the house will remain discharging to the combined system as above with a channel drain replacing existing gullies.
- 2.3 Roof water and hard standing drainage to the south of the house will be discharged via a new soakaway to the south of the house.
- 2.4 Pitches will be drained by a specialist sand groove system connecting to a filter drain.
- 2.5 Tree pits will similarly drain via filter drains to the system mentioned above.
- 2.6 The filter drainage system will discharge via a new penstock valve manhole within the park and into the Thames via an existing flap valve
- 2.7 Where the outfall pipe runs through the towpath wall it will be sealed by a puddle flange cast into the wall.
- 2.8 The 2 measures above will ensure that the risk of flooding from the Thames via the drainage system will not increase subject to the penstock valve being actively managed.
- 2.9 Foul drainage, rainwater drainage and surface water drainage from the stable block will continue to be via the existing combined private system that connects to the public system in the road.
- 2.10 Additional connections will be made to connect the re-configured WC block and plant room gully/s to the system mentioned above.

- 2.11 Surface water from the new path to the north will run off onto the soft where a filter trench will further facilitate discharge into the underlying sub-grade.
- 2.12 Surface water runoff from the southern block paved area will run off onto the soft where existing ground levels fall away from the building.

APPENDIX A

Drawings







