



Proposed Development At 63-71 High Street, Hampton Hill TW12 1LZ

JOINT MEMORANDUM

Proposed Drainage Strategy





Document Control Sheet

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Issue Record

Issue No.	Description	Date
1	First Issue	04.01.17

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APPENDICES

Appendix 1: Drainage Design Drawings





1. INTRODUCTION

HBPW LLP are appointed for the provision of Civil and Structural Engineering design services associated with the Pre-Planning stages on the Proposed Development at 63-71 High Street, Hampton Hill, London Borough of Richmond.

RAB Consultants are appointed to prepare a Flood Risk Assessment (FRA) in support of the development.

The following Memorandum is intended to clarify an inconsistency within the following documents:-

- HBPW LLP's Drainage Strategy Issue 4
- RAB Consultants' Flood Risk Assessment and Drainage Strategy Version 2.3 dated 18.10.16

Both documents have been submitted to the London Borough of Richmond as part of the Planning submission for the development. It is intended for this Memorandum to be read in conjunction with the above referenced documents.

The inconsistency applies to the proposed connection of foul and surface water from the development into the existing sewer located in the High Street, Hampton Hill. The inconsistency is described below:-

HBPW LLP's Drainage Strategy describes in section 4:-

"Thames Water sewer records indicate that there is no available public surface water sewer to connect into local to the development boundary. It is proposed therefore to combine the foul and surface water from the development at the final manhole before discharging by gravity into the public foul sewer located in the High Street"

HBPW LLP's Drainage Design Drawings numbered SL05030.401 rev B and SL05030.402 rev B included in Appendix 4 of the Drainage Strategy and included again in Appendix 1 of this Memorandum show a single connection into the existing Foul Water Sewer located in the High Street, It is proposed that attenuated surface water; and foul water flows from the development will discharge into a single combined manhole prior to discharging into the Existing Foul Sewer. Surface Water flows shall be attenuated to restricted rates agreed in principle with Thames Water.

RAB Consultants' FRA has included in 'Appendix B – Drainage Design', drawing number SL05030.401 (no revision) prepared by HBPW LLP. This drawing shows the





surface water from the development being connected to an existing Surface Water sewer in the High Street and the foul water from the development being connected Into an existing Foul Water sewer in the High Street. This is contradictory and inconsistent to the proposals set out in HBPW LLP's Drainage Strategy.

2. CLARIFICATION

Drawing SL05030.401 (no Revision), included in RAB Consultants' FRA does not show the correct proposed drainage strategy, HBPW LLP Drainage Strategy and proposals shown on drawings SL05030.401 rev B and SL05030.402 rev B included in Appendix 4 of the Drainage Strategy and included again in Appendix 1 of this Memorandum is the correct drainage strategy for the development.

When reading the RAB Consultants FRA; drawing SL05030.401 (no revision) should be replaced with drawings SL05030.401 rev B and SL05030.402 rev B.

3. SIGNATORIES

The Memorandum is prepared by HBPW LLP in conjunction with RAB Consultants

Ears For

Signed on behalf of HBPW LLP

Name: Emyr Parry

Date: 4th January 2017



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Signed on behalf of RAB Consultants

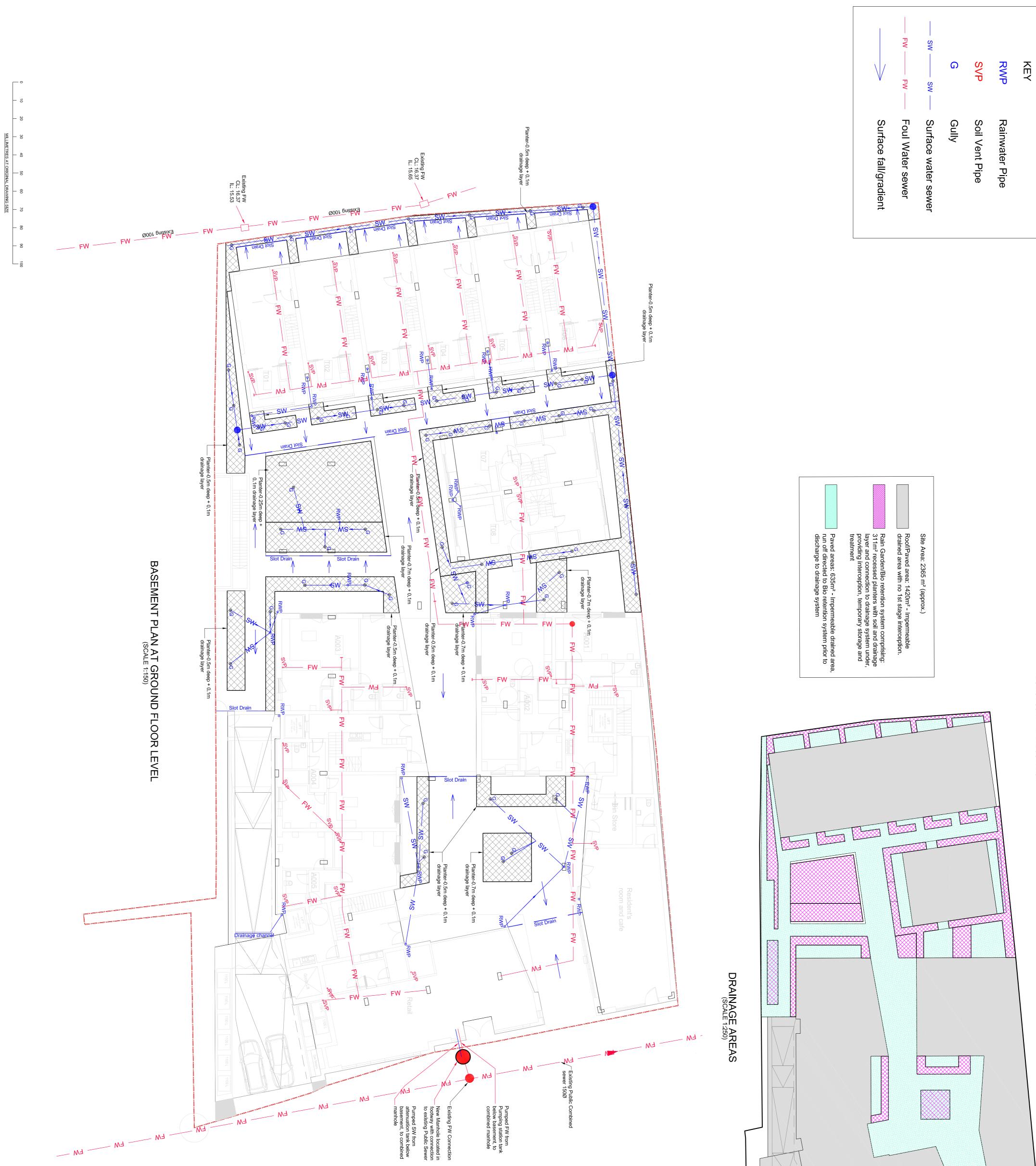
Name: Dr Alexandros Tsavdaris

Date: 4th January 2017





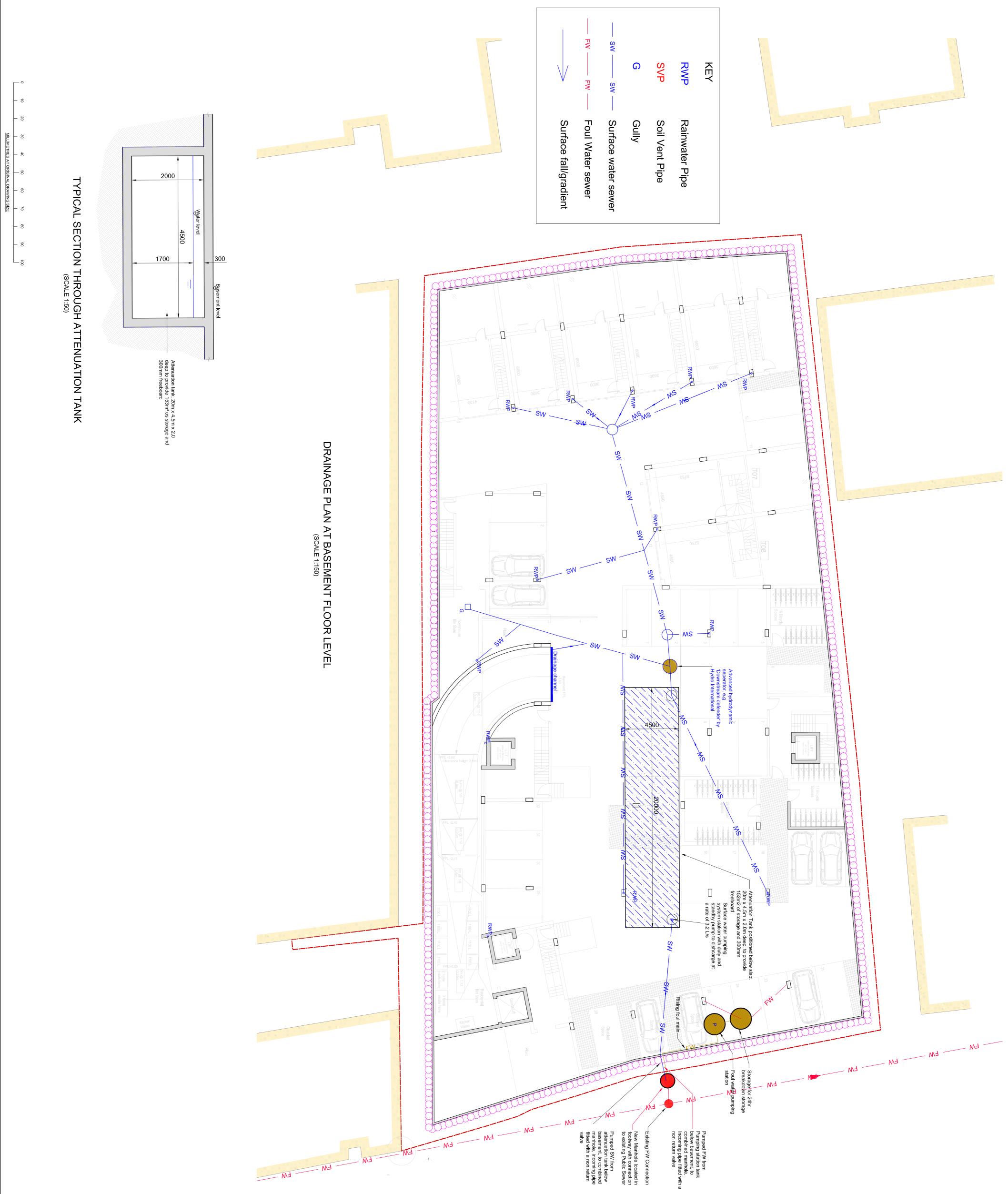
Appendix 1 Drainage Design Drawings



SL05030.401 REVISION B
APPROVED EP AS SHOWN @ A1
PROJECT EP MAY 2016
DRAWN DATE
DRAWING TITLE DRAINAGE LAYOUT AT GROUND FLOOR LEVEL
PROJECT 63-71 HIGH STREET
CLIENT GREAT PLANET LTD
STATUS PLANNING
DN22 01777) 869 01777) 862
HBPW 43 Bridgegate Retford Nottinghamshire
Layout updated B 18.10.16 RB EP PW Drawing updated A 04.10.16 RB EP PW 1st Issue - 27.05.16 RB EP PW
It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement
1) 2) 3) etc
1) 2) 3) etc Demolition:
1) 2) 3) etc Cleaning / Maintenance:
In addition to the hazards/ risks associated with the types of work detailed on this drawing please note the following: Construction:
HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION
Before handover, all manholes shall be inspected noved, and the whole system shall be thoroughly fi d cleaned.
16. Buried concrete should be specified in accordance with the requirements of BRE Special Digest 1: 2005 Concrete in Aggressive Ground (Ref. 8.13). Design Sulphate Class and required Aggressive Chemical Environment for Concrete Class to be confirmed by SI.
/inspection chambers are in accordance with BS Et 3V loading, C250/B125 in as). A15 covers may be u hicles.
14. Any positions of RWPs and foul connection points shown are for information only and to be confirmed by others - refer to architects drawings for setting out information.
 buildings where necessary due to approach gradients. 13. All planting within 5m of proposed drainage to be specified so as not to cause root damage to drainage, or be provided with suitable root protection measures.
grity of the DPC at client discretion. Contractor to obtain any necessary approver authority prior to operation.
re banking tabilisation
 An access and gradients to be in accordance with buildings. Pegulations Part M: Access to and use of buildings. Drainage to be in accordance with Building Regulations Part H: Drainage and Waste Disposal & relevant British Standards. Linear drainage /kerb drain sizing and gully capacity are to be confirmed by manufacturer.
All dimensions are in millimetres unle
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 Should there be any conflict between the details indicated on this drawing and those indicated on other drawings the Engineer should be informed PRIOR to construction on site.
DO NOT SC/

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PROJECT 63-71 HIGH STREET HAMPTON HILL DRAWING TITLE DRAINAGE LAYOUT AT BASEMENT FLOOR LEVEL PROJECT EP PROJECT EP PROJECT EP DRAWN EP PROJECT EP ORAWN EP DRAWN EP APPROVED SCALE APPROVED EP DRAWING NUMBER REVISION SL05030.402 B	Layout updated B 13:10.16 RB EP PW Drawing updated A 04.10.16 RB EP PW 1st Issue - 27.05.16 RB EP PW DESCRIPTION REV DATE BY CHKD APPR MBROY A 04.10.16 RB EP PW DESCRIPTION REV DATE BY CHKD APPR MEDESCRIPTION REV DATE BY CHKD APPR CLIENT Tel: (01777) 863896 DN22 7UX STATUS Fax: (01777) 863896 GREAT PLANET LTD PROJECT FONUET Fax Tel: (01777) 862491	HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION In addition to the hazards/ risks associated with the types of work detailed on this drawing please note the following: Construction: 1) 2) 3) etc Cleaning / Maintenance: 1) 3) etc Demolition: 1) 2) 3) etc Demolition: 1) 2) 3) etc It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement	are t are t are t are t the the the the the the the the the th	CHEPW CONSULTING CONCENTING DO NOT SCALE. This drawing is to be read in conjunction with evant drawings and details. Should there be any conflict between the details. Should there be any conflict between the details. Should there be any conflict between the details. Until technical approval has been obtained fr thority, it should be informed PRIOR to construct Until technical approval has been obtained fr thority, it should be understood that all drawing and NOT for construction. Should the mmence site work prior to such approval bein tirely at his own risk. All dimensions are in millimetres unless other

DO NOT SCALE - IF IN DOUBT ASK