



1

This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.

3

Do not scale from this drawing in either paper or digital form. Use written dimensions only. To check drawing has been printed to the intended scale the above bar should be 100mm

3

Abbreviations:-

CL

- Cover Level

IL

- Invert Level

MH

- Manhole

RWP

- Rainwater Pipe

DP

- Drop Point

4

Refer to drawing 1907/DR090 for drainage notes

Drainage Key

Proposed SW drain run

Proposed FW drain run

Proposed CW drain run

Proposed Pumped Rising Main

Existing Pumped Rising Main

Public Sewer

Existing drain run

Proposed channel Drain

Redundant drain run

Proposed / Existing Rain Water Pipe

Proposed / Existing Rodding Eye

Proposed / Existing Drainage Point

Proposed / Existing Floor Gully

Proposed SW Manhole

Proposed FW Manhole

Proposed CW Manhole

Proposed Public Sewer Manhole

Existing Manhole

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3

All drainage shall comply with the typical drainage construction details and the requirements of BS EN 752.

4

Access covers and frames shall comply with the loadings specified and to BS EN 124 and kitemarked or if recessed covers are specified then in accordance with FACTA association equivalent.

5

The proposed building outlines shown on this drawing are for information only. Refer to Architects plans for precise location setting out information and details.

6

All drainage pipework shown shall be 100mm diameter unless noted otherwise.

7

All underslab drainage shall be laid at gradients of 1:40 min. for foul pipework and 1:80 min. for surface water unless noted otherwise.

8

All underslab drainage shall be clear of foundations unless shown otherwise with long radius bends kept to a minimum and used where unavoidable.

9

At least one soil pipe at the head of each foul run shall be vented to the atmosphere.

10

All gutters shall be fitted with a leaf filter at each outlet to reduce the risk of blockage.

11

All rainwater downpipes shall be accessible above ground for rodding purposes.

12

Any part of the existing drainage system to be retained as part of the new scheme shall be cleaned and inspected by CCTV survey. Any structural defects shall be repaired or replaced as may be required using appropriate and approved methods.

13

Where existing access locations are to be retained the cover and frames shall be checked to ensure they are of a suitable duty for reuse and levels adjusted to suit proposed finished ground levels.

14

All internal access covers shall be recessed, double sealed and lockable. Allowance should be made for replacement of all existing manhole covers.

15

Cover levels shown on this drawing are approximate and shall be adjusted to suit finished pavement levels on site by Contractor. Covers shall be orientated to suit pavement finishes where appropriate.

16

All private drainage pipework for foul and surface water systems have been designed on the basis of UPVC to BS EN 1402-1, unless noted otherwise.

17

All adoptable drainage pipework for foul and surface water systems have been designed on the basis of clayware, concrete or plastic to comply with Sewers for Adoption 7th Edition.

18

Concrete encasement of the pipework shall be required where the vertical clearance between two pipes crossing is less than 300mm

19

Existing drainage layout based on CCTV survey by JPD Technical Services, completed February 2020. Please refer to drawings 5006-1a and 5006-2a along with accompanying report by JPD for any necessary repair works to be completed on site

20

All manholes contain internal bast iron benching. Allow for re-construction of manholes, where any changes to benching are required

21

HEALTH & SAFETY: Future works shall be carried out by specialist competent and experienced contractors. All operatives shall have received full and appropriate training with appropriate qualifications for the operations they are required to undertake. All work shall be carried out in accordance with the relevant Health & Safety Regulations.

22

Fat & grease interception is to be provided above slab level and to be specified by others. No allowance for fat/grease traps has been provided in the HTS below ground drainage design.

23

All existing manhole covers to be replaced

24

Existing pumping equipment to be replaced. M&E to provide flows to allow a pump quote to be requested.

T2	11.03.20	GW	GAP	Stage 4 Issue
T1	23.10.19	KG	KG	Stage 3 Tender Issue
P1	17.09.19	JHL	GP	Stage 3 Issue
Rev	Date	By	Eng	Amendments

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Job Name
One Berkeley Street

Drawing Title
**Existing Basement Below
Ground Drainage**

Purpose of Issue **Stage 4** Scale at AD **1 : 100**

Drawing No **1907/DR090** Rev **T2**