

- information only. Refer to Architects plans for precise location setting out information and details.
- 4 All drainage pipework shown shall be 100mm diameter unless noted otherwise.
- 5 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.
- 6 All underslab drainage shall be clear of foundations unless shown otherwise with long radius bends kept to a minimum and used where unavoidable.
- 7 At least one soil pipe at the head of each foul run shall be vented to the atmosphere.
- 8 All gutters shall be fitted with a leaf filter at each outlet to reduce the risk of blockage.

- 11 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.
- 12 All internal access covers shall be recessed, double sealed and lockable.
- 13 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.
- 14 All private drainage pipework for foul and surface water systems have been designed on the basis of UPVC to BS EN 1401-1, unless noted otherwise.
- 15 Concrete encasement of the pipework shall be required where the vertical clearance between two pipes crossing is less than 300mm

- the drainage authority and shall comply with requirements using vitrified clay pipework to BS EN 295 with plain sleeved or socketed flexible joints subject to their approval.
- 18 Where drainage works are carried out in the public highway the relevant necessary approvals and road opening notices shall be obtained from the highway authority and utility companies.
- 19 Upon completion all new drainage installation together with any existing drainage retained shall be jetted and CCTV surveyed. Contractor to ensure that the drainage system is fully operational, free of excess debris/silt and all identified faults rectified.
- 20 The contractor is to execute all repair works and recommendations associated with drainage to be retained and reused.

- 23 Invert levels for FW and SW drain points to start at min. 600mm depth from the cover level.
- 24 For existing and demolition drainage general arrangementes refer to HTS drainage drawings.
- 25 Allow for breaking out of existing slab to form new drainage connections. Existing slabs to be reinstated following drainage installation.
- 26 Proposed drainage is to be ammended after new CCTV survey is undertaken to confirm existing drainage layout and condition.

EMH1	21.76	21.56	450x600	Brick and render construction	-
EMH2	20.81	-	DNL	-	No laterals within chamber
ЕМН3	-	-	1200x900	Brick and render construction	-
EMH4	-	-	-	Brick and render construction	Running trap has no rodding eye installed
EMH5	21.76	-	-	Cast iron	Rodding eye
ЕМН6	-	-	UTL	-	Frame welded closed
EMH7	20.30	17.820	UTL	-	-
EMH8	17.57	15.63	1200x1200	Concrete construction	Pump station rising main
ЕМН9	22.78	21.95	750x600	Brick and render construction	-
EMH10	22.64	21.31	-	Brick and render construction	-
EMH11	22.36	21.05	1200x500	Brick and render construction	Chamber blocked with silt
EMH12	22.36	21.36	600x450	Brick and render construction	Chamber blocked with silt
EMH13	-	-	-	-	-
EMH14	19.48	18.87	600x650	Brick construction	-
EMH15	23.58	20.61	1400x650	Brick and render construction	Running trap has no rodding eye installed
EMH20	20.55	19.88	450x650	Brick construction	-
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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

100mm @ A1 (50mm @ A3)

3 Abbreviations:-

 Cover Level - Invert Level - Manhole - Outer Diameter - Rainwater Pipe

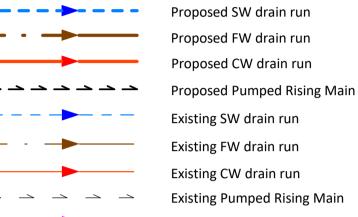
- Soil Vent Pipe

- Unable To Lift

above bar should be 100mm

The contractor is to execute all repair works and recommendations associated with drainage to be retained and reused outlined in the UKDN CCTV report.

Drainage Key



Public sewer

Unspecified drain run

Proposed Channel Drain

Redundant drain run Proposed / Existing Rain Water Pipe

Proposed / Existing Soil Vent Pipe Proposed / Existing Rodding Eye

Proposed / Existing Drainage Point Proposed / Existing Stub Stack

Proposed / Existing Gully

0 **Proposed SW Manhole**

Proposed FW Manhole

Proposed CW Manhole

Proposed Public Sewer Manhole

Existing Manhole

T1 07.12.17 FC AC Tender Issue



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The Hope Project

Existing and Demo Ground Floor Drainage Sheet

Purpose of Issue

Scale at A1 As indicated

Drg No 1444 / DR012

1444-HTS-DR012_T1