

DO NOT SCALE

For the avoidance of doubt, no approvals, reviews, comments or indication of satisfaction given by ARC Engineers in terms of subcontract drawings, products or proposed materials shall reduce or extinguish the obligation of the sub-contractor or supplier to adhere to the specification, general arrangement drawings, statutory requirements and good working practice. ARC Engineer's accept no liability for the selection of materials or workmanship in the execution of the works.

GENERAL NOTES

1. Drawings not to be scaled.
2. Dimensions are in millimetres unless specified otherwise.
3. This drawing is to be read in accordance with all other relevant drawings, third party drawings, specifications and supporting documentation.
4. All levels and dimensions to be checked on site by the contractor. Any discrepancies to be notified to the Engineer and further instructions obtained prior to further work being carried out.
5. All work to comply with current Local Authority design standards and DFT Manual for Streets.

KEY:

- FW 1.000 1500 @ 1:60 FOUL WATER PIPE
- SW 1.000 1500 @ 1:60 SURFACE WATER PIPE
- SWMH.09 BACKDROP MANHOLE
- INDICATIVE LINE OF EXISTING FW SEWER
- INDICATIVE LINE OF EXISTING SW SEWER
- EXISTING SEWER TO BE REMOVED
- SWMH.01 SURFACE WATER MANHOLE
- FWMH.09 FOUL WATER MANHOLE
- HYDROBRAKE
- PPIC POLYPROPYLENE INSPECTION CHAMBER
- CONNECTION TO EXISTING FW SEWER
- CONNECTION TO EXISTING SW SEWER
- EXISTING MANHOLE
- ROAD GULLY
- RODDING EYE
- GULLY
- FOUL WATER GULLY
- RWP RAINWATER PIPE
- DIFFUSER OUTLET FROM PERMEABLE PAVING
- ACO DRAINAGE CHANNEL (Built in falls)
- SURFACE WATER ATTENUATION POLYSTYROM-R OR SIMILAR APPROVED PRODUCT WITH 44 TONNES/m² COMPRESSIVE STRENGTH
- SITE BOUNDARY
- TREE ROOT PROTECTION ZONE
- PROPOSED LEVEL
- DENOTES PERMEABLE PAVING - USING INFILTRATION
- DENOTES PERMEABLE PAVING - LINED AND DRAINED TO PROPOSED DRAINAGE SYSTEM

NOTE:

- ALL CL's & IL's SUBJECT TO CHANGE
- ALL SW & FW MANHOLES IL's TBC
- RWP's TBC BY ARCHITECT.

NOTE:
ALL INTERNAL FOUL DRAINAGE TO BE MINIMUM 1000 @ 1:40 FALLS

NOTE:
ALL PPIC's CL: 22.670 IL: 21.900

FFL = 22.820m TBC

ATTENUATION CRATES, PIPES & MANHOLES SHOULD BE SUITABLE FOR HGV LOADING WITH CONCRETE ENCASING = 100mm TO TANK & PIPES UNDER 1.2m DEPTH.

EXISTING FOUL WATER MANHOLES TO BE GRUBBED UP AND REMOVED:
Ex.FWMH 01
Ex.FWMH 02
Ex.FWMH 03

EXISTING SURFACE WATER MANHOLES TO BE GRUBBED UP AND REMOVED:
Ex.SWMH 03
Ex.SWMH 06

EXISTING FOUL WATER SEWER INVERT FALL AND CONDITION TO BE VERIFIED ON SITE BY MAIN CONTRACTOR PRIOR TO COMMENCEMENT OF WORKS

REV	DETAIL	BY	CHKD	DATE
P3	Updated to Planning Comments and location of proposed surface water discharge	PH	AR	13.05.2021
P2	Paved areas updated in line with landscape plans	LA	AC	16.02.21
P1	Updated to revised site plan received 12.02.2021	AC	LA	15.02.2021
P0	INITIAL ISSUE	AC	LA	22.12.2020

arcengineers
CONSULTING STRUCTURAL AND CIVIL ENGINEERS

3 CADMAN COURT, LEEDS, LS27 0RX
Phone: 0113 253 3904
www.arc-engineers.co.uk

CLIENT:
CASSEL HOTELS (CAMBRIDGE) LTD

PROJECT:
HOTEL FELIX CAMBRIDGE

TITLE:
DRAINAGE GA

DRAWING STATUS:
PLANNING

DRAWN	DATE	CHECKED	DATE
AC	DECEMBER 2020	LA	DECEMBER 2020

CONTRACT No: **20 106** SCALE @ A1: **1:300**

PROJECT No. ORIGINATOR. ZONE. LEVEL. TYPE. DISCIPLINE. NUMBER. REVISION
20106-ARC-XX-00-DR-D-0001-P3