

DRAINAGE KEY:

FOUL WATER DRAINAGE:

Proposed Private Foul Water Connection (SVP, AAV, BIG etc.)

Proposed Private Foul Water Access Chamber

Proposed Private Foul Water Drain/Sewer

SURFACE WATER DRAINAGE:

Proposed Private Surface Water Rain Water Pipe

Proposed Private Surface Water Channel Linear (i.e ACO)

Proposed Private Surface Water Access Chamber

Proposed Private Surface Water Rodding Eye

Proposed Private Surface Water Drain/Sewer

Proposed Private Crated Attenuation Tank (i.e PolyStorm)

EXISTING DRAINAGE:

Existing Surface Water Sewer/Drain

Existing Foul Water Sewer/Drain

Existing Culverted Watercourse

Existing Sewer/Drain to be abandoned

Existing 3m Easement

ONSITE BOREHOLE TESTING IDENTIFIED GROUNDWATER AT 0.7M BELOW GROUND LEVEL, AS PER THE SUDS MANUAL A CLEAR 1M IS REQUIRED FROM THE TOP OF GROUNDWATER TO THE UNDERSIDE OF ANY INFILTRATION FEATURE, FOR THIS REASON INFILTRATION TECHNIQUES HAVE BEEN DISCOUNTED.

PROPOSED FLOW CONTROL CHAMBER

TYPE HYDRO BRAKE

REF SHE-0146-1000-0950-1000

DESIGN FLOW 10.0l/s

DESIGN DEPTH 0.95m

INVERT LEVEL @ 26.735

FOR FULL EXISTING DRAINAGE SURVEY DETAILS, REFER TO CADMAP DWG CMU/24887

WATER RE-USE IN THE FORM OF AN UNDERGROUND ROOF WATER HARVESTING TANK WILL REDUCE THE OFFSITE SURFACE WATER VOLUME DISCHARGE



POSITION OF EXISTING CULVERT BASED UPON MSDC MAPPING. TO BE SURVEYED PRIOR TO CONSTRUCTION.

EXISTING CULVERTS TO HAVE A 3M WIDE EASEMENT EITHER SIDE OF APPARATUS

RECYCLED WATER TO REFILL INTERNAL WC CISTERNS

PROPOSED RAINWATER HARVESTING TANK TO BE INSTALLED. TANK SPEC TO BE CONFIRMED AT DETAILED DESIGN STAGE

EXISTING FOUL DRAIN TO BE DIVERTED AROUND PROPOSED BUILDING

REDUNDANT EXISTING DRAINAGE TO BE ABANDONED AND EITHER GROUTED OR REMOVED.

PROPOSED SURFACE WATER FLOWS TO DISCHARGE INTO EXISTING NETWORK. CAR PARK WILL CONTINUE UNRESTRICTED BUT PROPOSED ROOF AREA WILL BE ATTENUATED.

'THE CLIENT IS THE RIPARIAN OWNER OF THE ONSITE DRAINAGE NETWORK AND THEREFORE 3RD PARTY CONNECTION APPROVAL NOT REQUIRED

GEOCELLULAR TANK TO BE WRAPPED IN GEOMEMBRANE & GEOTEXTILE, AS PER MANUFACTURER'S GUIDANCE

ONSITE SILT TRAPS WILL PROVIDE WATER QUALITY BENEFITS BY INTERCEPTING 'FIRST FLUSH' POLLUTANTS

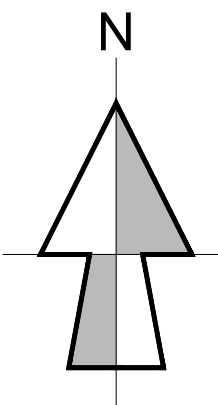
CATCH PIT / SILT TRAP REQUIRED UPSTREAM OF THE ATTENUATION TANK.

A WATERPROOF TREATMENT WILL BE APPLIED TO THE BUILDING CONSTRUCTION FOR THE FIRST 300MM ABOVE PROPOSED FFL. TEMPORARY FLOOD BOARDS/GATES ON ALL NORTHERN ACCESSES, AND ALL ELECTRICAL/GAS FITTINGS ON THE NORTHERN FACE TO BE RAISED 600MM ABOVE THE PROPOSED FFL.

MAXIMUM EXPECTED FLOOD LEVEL WITHIN CAR PARK OF 300MM TO A LEVEL OF 28.60M AOD. THE PROPOSED FFL OF 28.65M AOD PROVIDES 0.05M FREEBOARD. THE PROPOSED FFL MIMICS THE EXISTING AND TIES INTO LEVELS ON THE SITE BOUNDARY AND SITE ACCESS, AND THEREFORE CANNOT BE RAISED ANY FURTHER

INDIRECT FOUL CONNECTIONS TO BE MADE UNDER A S106 APPLICATION WITH SOUTHERN WATER.

0 1:200 10 metres



General Notes:

1. All dimensions and details are to be checked prior to the commencement of any work or preparation of other drawings.
2. This drawing should not be scaled, refer to figured dimensions only.
3. Any drawing or design discrepancies identified should be reported to Civil Studio immediately.
4. This drawing is to be read in conjunction with all architectural and / or other relevant drawings and details.
5. The Contractor is required to verify the location and depth of all Statutory Undertakers' Apparatus prior to commencement of work and to take any precautions necessary when working in the vicinity of apparatus.
6. In the event of any contradiction between this drawing and the specification, the Contractor shall seek clarification from Civil Studio before proceeding.

DRAINAGE STRATEGY SUMMARY

EXISTING DISCHARGE RATES

- RAINFALL = FEH22
- CLIMATE CHANGE = 0
- CV = 1
- 2 YEAR = 50.9L/S
- 30 YEAR = 126.7L/S
- 100 YEAR = 154.5L/S

PROPOSED DISCHARGE RATES

- RAINFALL = FEH22
- CLIMATE CHANGE = 45%
- CV = 1
- 2 YEAR = 40.7L/S
- 30 YEAR = 99.9L/S
- 100 YEAR = 123.4L/S

A PROPOSED BETTERMENT OF 20% HAS BEEN MADE ON THE EXISTING DISCHARGE RATES ACROSS ALL STORM EVENT FOR THE DEVELOPMENT.

OVERALL THIS REDUCES THE RISK OF FLOODING TO DOWNSTREAM PROPERTIES. THE EXISTING NETWORK HAS SUFFICIENT CAPACITY.

B	Strategy updated inline with LLFA Check list and comments dated 24.12.24	21.02.25
A	Initial Planning Issue	28.11.24
REV:	DESCRIPTION:	DATE:

STATUS: PLANNING

CIVIL STUDIO

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CLIENT:	CAPITAL HAIR & BEAUTY LTD		
SITE:	UNIT A, CONSORT WAY, BURGESS HILL, RH15 9TJ		
TITLE:	DRAINAGE STRATEGY PLAN		
SCALE AT A1:	DATE:	DRAWN:	CHECKED:
1:200	Nov 2024	JT	JP
PROJECT NO:	DRAWING NO:	REVISION:	
24.064	03.00	B	