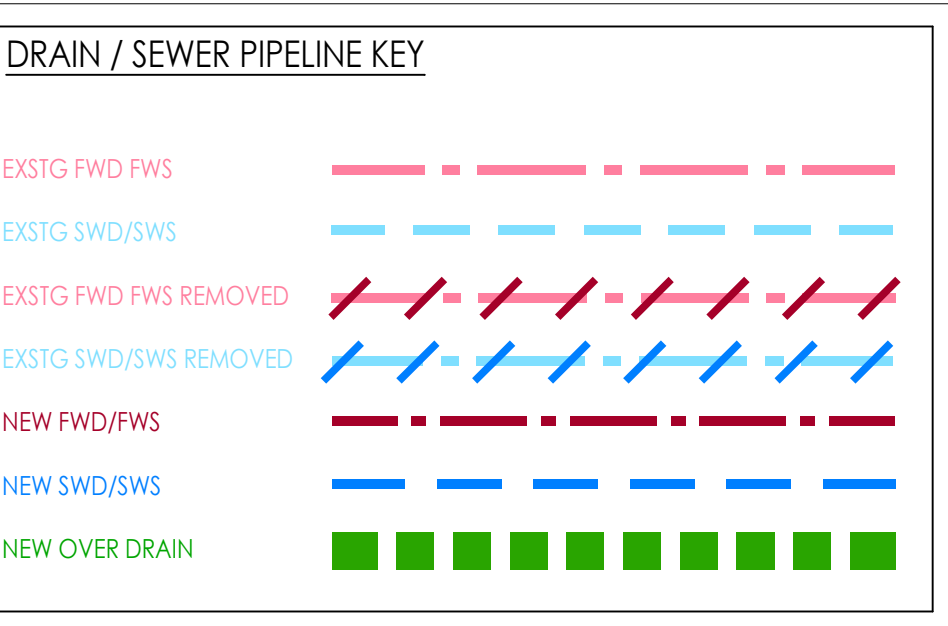
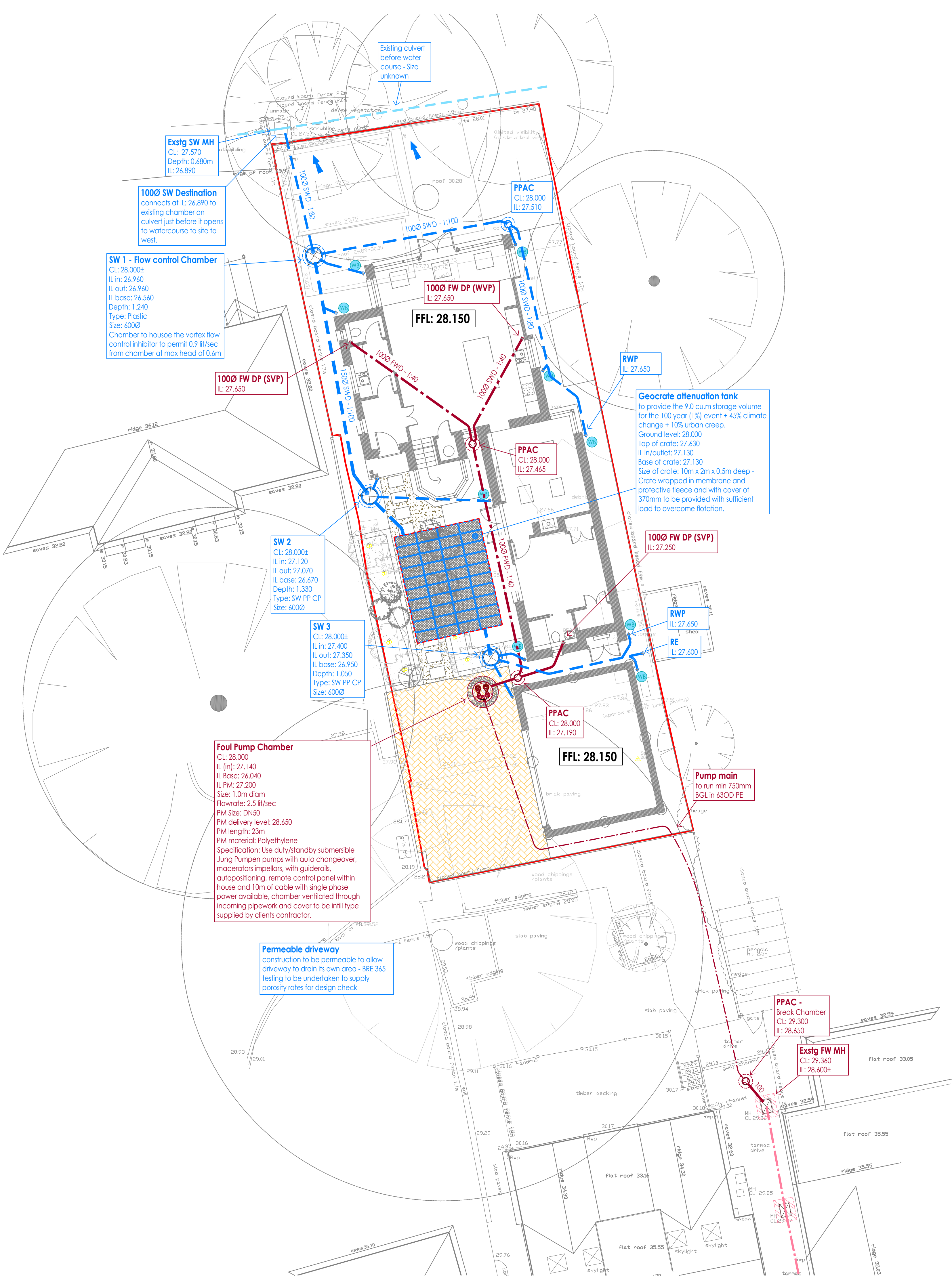




ABBREVIATIONS / LEGEND

AAV	AIR ADMITTANCE VALVE
AB	ABANDONED (MH, sewer or drain)
AC	ACCESS CHAMBER
ACC	ACCESS
ASBC	ASBESTOS CEMENT
ASP	ANTI SIPHON PIPE
AFFL	ABOVE FINISHED FLOOR LEVEL
BD	BACKDROP
BE	BLANKED END
BIG	BACK INLET GULLY
BGL	BELOW GROUND LEVEL
BR	BRANCH
BSSL	BELOW SLAB SOFFIT LEVEL
CE	CLEANING EYE
CI	CAST IRON
CL	COVER LEVEL
CON	CONCRETE
CP	CATCHPIT
CPG	CAR PARK GULLY
DC	DRAINAGE CHANNEL
DCO	DRAINAGE CHANNEL OUTLET
DL	DRAIN LINER
DT	DRAINAGE THRESHOLD CHANNEL
DP	DRAIN POINT
FA	FROM ABOVE
FB	FROM BELOW
FC	FLEXIBLE CONNECTION
FAI	FRESH AIR INLET
FWD	FOUL WATER DRAIN
FWG	FOUL WATER GULLY
FWS	FOUL WATER SEWER
GL	GROUND LEVEL
GT	GREASE TRAP
HL	HIGH LEVEL
IC	INSPECTION CHAMBER
IL	INVERT LEVEL
IT	INTERCEPTING TRAP
LL	LOW LEVEL
LDG	LIGHTWELL GULLY
MH	MANHOLE
ML	MID LEVEL
NRV	NON RETURN VALVE (FLAP VALVE)
OD	OVERDRAIN
OTG	OPEN TOP GULLY
OTBG	OPEN TOP BACK INLET GULLY
PAL	PATCH LINER
PE	POLYETHYLENE
PF	PITCH FIBRE
PM	PUMP MAIN
PP	POLYPROPYLENE
PPAC	POLYPROPYLENE AC
PPIC	POLYPROPYLENE IC
PCC	PRECAST CONCRETE
PRS	PIPE RESHAPE
PVC	POLYVINYL CHLORIDE
RE	RODDING EYE
RG	ROAD GULLY
ROC	ROOT CUT
RWH	RAINWATER HARVESTING
RWP	RAINWATER PIPE
SP	SOIL PIPE
SHG	SHOWER GULLY
STBG	SEALED TOP BACK INLET GULLY
STP	SEWAGE TREATMENT PLANT
SuDS	SUSTAINABLE DRAINAGE SYSTEMS
SVP	SOIL VENT PIPE
SS	STUB STACK
SWD	STORM WATER DRAIN
SWS	STORM WATER SEWER
SWTD	STORM WATER TREATMENT DEVICE
TA	TO ABOVE
TB	TO BELOW
TBC	TO BE CONFIRMED
TD	TO DRAIN
UB	URINAL BOWL
UD	UNDERDRAIN
UTL	UNABLE TO LIFT
UT	UNABLE TO TRACE
UTS	UNABLE TO SURVEY
UTV	UNABLE TO VIEW
VC	VITRIFIED CLAYWARE
VTA	VENT TO ATMOSPHERE
WB	WATER BUTT
WC	WATER CLOSET
WHB	WASH HAND BASIN
WG	WASTE GULLY
WP	WASTE PIPE
WVP	WASTE VENT PIPE
YG	YARD GULLY

This drawing is copyright and remains in the ownership of Simon Dent Associates (SDA)

This drawing should be read in conjunction with the design team's relevant documents, drawings & details.

Existing public & private utility services and drainage locations shown have been derived from non-intrusive survey techniques. Their location is not accurate and the contractor must satisfy himself using open excavation where the location of such plant and apparatus is critical in construction.

If the contractor has constructed from this drawing without necessary approvals from Local Planning Authorities, Building Control, Sewerage Undertakers, Environment Agency etc then any abortive work shall be at his own financial risk and not the responsibility of SDA.

If the contractor has constructed from this drawing whilst the drawing remains 'PRELIMINARY' status, then any abortive work shall be at his own financial risk and not the responsibility of SDA.

The contractor should NOT construct any works should there be any doubt with information shown from any of the source. ALWAYS USE GIVEN DIMENSIONS ONLY. ALWAYS ASK IF IN DOUBT.

ALWAYS PRINT THIS DRAWING IN COLOUR

DRAINAGE STRATEGY
FOUL & STORM WATER DESIGN -

GENERAL - This drainage strategy is issued to accompany the Mid Sussex District Council Planning Application ref: DM/26/1690 where a drainage assessment was requested.

STORM WATER - The site is located in flood zone 1 area for fluvial flooding. There are areas of surface water flooding indicated on the maps adjacent the culvert.

The proposed development adds offer the following impermeable areas:-

Total site	-	420 sq.m
Permeable paved	-	52 sq.m
Development roof	-	174 sq.m
Green / soft areas	-	194 sq.m

The storm design uses priority 1, 2 & 3 for run off destination with reference to the National SuDS Standards, for collected for non-potable use, infiltration to ground and discharged to an above ground surface water body, respectively.

The geocellular storage offers the volume required for the 100 year + 45% climate change event + 10% urban creep of 9.0 cu.m water volume. This volume attenuates that limiting flow from the site of 0.9 lit/sec.

The roof downpipes will connect to 210 litre water butts with an overflow diverter to the downpipe and drain. The roofs shall be drained through a downpipes and catchpits to settle particles and with both an online connection to the geocellular crate system and an offline system.

Permeable driveways are expected to have the depth of granular material to drain that area only. Permeable surfaces drain only those areas and no other.

DESIGN EXCEEDANCE FLOWS - Where design storms and attenuation volumes are exceeded, such flows will run down towards the watercourse/culvert at the foot of the garden.

OWNERS SuDS DRAINAGE MAINTENANCE PLAN - Where attenuated volumes are provided in permeable construction make ups which are inaccessible without conventional excavation, it is important to provide features on the drainage system which minimise silt migration to these features. Planned maintenance is provided in the SuDS Manual (CIRIA document C753) but is summarised as below .

- All rainwater hopperheads, pipes and gutters should be cleaned twice a year.
- Drain and clean the rainwater butts yearly.
- Clean geocrate tanks from the upstream catchpits using vacuum suction tankers every two years.
- Keep soil agitated and plants tended.
- All pipes should be cleaned/jettied once a year.

FOUL WATER - There is an existing foul drainage system at the front of the site which can be connected to but only with the use of a foul pumping station pumping at a rate of 2.5 lit/sec max - subject to a section 106 sewer connection approval.

The pump station has been provided with the days storage required for pumping station of 150 litres per person (max 5 persons = 750 litres)

THIS DRAWING IS DESIGN INTENT ONLY AND SUBJECT TO PLANNING & BUILDING REGULATION APPROVAL.

P1	PRELIMINARY ISSUE	13.08.2026	SDA
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Rev	Description	Date	Chkd
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SIMON DENT ASSOCIATES

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Client	Mr Kevin Mansell
Project	77 Dunstall Avenue, Burgess Hill, West Sussex RH15 8PJ
Drawing title	Proposed Site Drainage
Drawing status	PRELIMINARY

Project no	Scales	Drawing no	Rev
26064	A1 - 1:50 A3 - 1:100	100	P1