



OUTFALL  
IL:107.50M

SW01 FLOW CONTROL CHAMBER.  
DISCHARGE RATE RESTRICTED TO 6.0L/S  
CL:111.50M  
IL:110.15M

DETENTION BASIN 01 (UNLINED)  
CL:111.50M (APPROX.)  
IL:110.20M (APPROX.)  
DEPTH:1.30M  
FREEBOARD:0.3M  
INFILTRATION RATE:0.03600M/HR  
AREA:1,220M<sup>2</sup>  
STORAGE VOLUME:852M<sup>3</sup> (EXCLUDING FREEBOARD)

- Notes:**
- DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTS AND SLR DRAINAGE STRATEGY
  - DRAINAGE STRATEGY IS SUBJECT TO DETAILED DESIGN INCLUDING LEVELS.
  - ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM.
  - DRAINAGE STRATEGY DESIGN ATTENUATES SURFACE WATER RUNOFF FOR THE 1 IN 100 YEAR EVENT PLUS 40% CLIMATE CHANGE.
  - DISPLAYED ACRONYMS:
    - CL - COVER LEVEL
    - IL - INVERT LEVEL
    - D - DEPTH

- Legend:**
- SITE BOUNDARY
  - EXISTING DITCH
  - EXISTING DITCH TO BE ABANDONED / DIVERTED
  - DIVERTED DITCH
  - EXISTING PUBLIC SURFACE WATER SEWER
  - EXISTING PUBLIC COMBINED WATER SEWER
  - EXISTING PUBLIC SURFACE WATER SEWER TO BE ABANDONED / DIVERTED
  - EXISTING PUBLIC COMBINED WATER SEWER TO BE ABANDONED / DIVERTED
  - DIVERTED PUBLIC SURFACE WATER SEWER
  - DIVERTED PUBLIC COMBINED WATER SEWER
  - PROPOSED SURFACE WATER DRAIN
  - PROPOSED HEADWALL
  - PROPOSED RAIN GARDEN
  - PROPOSED PERMEABLE PAVING WITH UNDERLYING STORAGE SUB-BASE
  - PROPOSED ATTENUATION BASIN
  - TREE ROOT PROTECTION ZONE
  - PROPOSED FLOOD EXCEEDANCE ROUTE
  - PROPOSED IMPERMEABLE PAVED SURFACE AREA (0.925HA)
  - PROPOSED IMPERMEABLE ROOF SURFACE AREA (0.292HA)

31/10/2024  
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Rev	Amendments	Date	By	Chk	Auth



**FOR INFORMATION**

Client  
POWIS ESTATES

Project  
VERLON FARM  
MONTGOMERY

Drawing Title  
PRELIMINARY SURFACE WATER  
DRAINAGE LAYOUT

Scale 1:1000	@ A1	SLR Project No. 416.065277.00001
Designed HE	Drawn HE	Checked NB
Date OCT 2024	Date OCT 2024	Date OCT 2024
Authorised NB	Authorised NB	Date OCT 2024
Drawing Number 416.065277.00001_PDL_01		Rev P01

