



- Notes:**
1. DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT DOCUMENTS AND SLR SUDS STRATEGY.
 2. DRAINAGE STRATEGY IS SUBJECT TO LEVEL DESIGN.
 3. ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM.
 4. DRAINAGE STRATEGY DESIGN ATTENUATES SURFACE WATER RUNOFF FOR THE 1 IN 100 YEAR EVENT PLUS 40% CLIMATE CHANGE AND A 10% URBAN CREEP FACTOR APPLIED TO ROOF SURFACES.
 5. ASSUMING THE NEW HIGHWAY WILL BE OFFERED FOR ADOPTION, THE PROPOSED PERMEABLE PAVING IS SUBJECT TO HIGHWAY ADOPTION CRITERIA.

- Legend:**
- SAB BOUNDARY
 - EXISTING DITCH
 - PROPOSED SURFACE WATER DRAIN/SEWER
 - PROPOSED UNLINED PERMEABLE BLOCK PAVING (0.178HA)
 - PROPOSED HYDRAWAY FIN DRAIN
 - TREE ROOT PROTECTION ZONE
 - PROPOSED LINED WET SWALE
 - PROPOSED BIORETENTION FEATURE (RAIN GARDEN)
 - PROPOSED GREEN ROOF
 - PROPOSED FLOOD EXCEEDANCE ROUTE
 - PROPOSED UNLINED DETENTION BASIN
 - REPLACEMENT EXISTING ACCESS ROAD (0.178HA)
 - PROPOSED IMPERMEABLE ROOF SURFACE AREA (0.080HA)

ATTENUATION BASIN
 IMPERMEABLE AREA (+URBAN CREEP):0.265HA
 CREST LEVEL:51.75M
 INVERT LEVEL:50.25M
 BASIN DEPTH:1.5M
 FREEBOARD:0.30M
 BASIN CREST AREA:370M²
 BASIN BASE AREA:42M²

FLOW CONTROL CHAMBER.
 RUNOFF RESTRICTED TO 2.5L/S.

OUTFALL IL:34.40M

OFFSET TO DISPLAY OUTFALL TO EXISTING DITCH
 SCALE:1:250M

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|-----|---------------------------|----------|----|-----|------|
| P02 | ARCHITECT LAYOUT UPDATED. | 15.12.23 | HE | NB | NB |
| Rev | Amendments | Date | By | Chk | Auth |

SLR
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FOR INFORMATION

Client
 CARDIFF & VALE COLLEGE

Project
 WEYCOCK CROSS
 BARRY

Drawing Title
 OUTLINE SURFACE WATER
 DRAINAGE SKETCH

| | | | | | | | |
|----------|----------|-------|-----------------|---------|----------|------------|----------|
| Scale | 1:250 | @ A1 | SLR Project No. | 216432B | | | |
| Designed | HE | Drawn | HE | Checked | NB | Authorised | NB |
| Date | NOV 2023 | Date | NOV 2023 | Date | NOV 2023 | Date | NOV 2023 |

Drawing Number
 216432B_PDL_01

Rev
 P02

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