



- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
  - ALL LEVELS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
  - DO NOT SCALE FROM THE DRAWING. USE FIGURED DIMENSIONS ONLY.
  - ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
  - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
  - EXISTING SERVICES HAVE NOT BEEN SHOWN BUT ARE PRESENT - THE CONTRACTOR IS TO LIAISE WITH ALL STATUTORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORKS.

**DRAINAGE LEGEND**

- 1000 @ 1:40
- 1500 @ 1:150
- EXISTING COMBINED DRAINAGE
- EXISTING SURFACE WATER DRAINAGE
- PROPOSED SPOT LEVEL
- EXISTING SPOT LEVEL
- DRAINAGE FORMATION LEVEL
- PERFORATED PIPE
- FLOW CONTROL CHAMBER
- AREA OF SUBBASE UTILIZED FOR STORAGE
- PERMEABLE PAVING
- SAB BOUNDARY

FOR DRAINAGE DETAILS AND SECTIONS, PLEASE REFER TO DRG. 21417\_501\_r05.

- GENERAL DRAINAGE NOTES:
- MH COVERS AND FRAMES TO CONFORM TO BS EN 124:  
-HIGHWAYS AND FOOTWAYS TO FRONT OF BUILDINGS (D400)  
-FOOTWAYS TO REAR OF BUILDINGS (C250)
  - TYPE S BEDDING AND SURROUND TO ALL PIPES EXCEPT IN THE FOLLOWING CIRCUMSTANCES, IN WHICH TYPE Z BEDDING AND SURROUND ARE TO BE USED:  
-DOMESTIC GARDENS AND PATHWAYS WITHOUT ANY POSSIBILITY OF VEHICULAR ACCESS, 0.35m;  
-DOMESTIC DRIVEWAYS, PARKING AREAS AND YARDS WITH HEIGHT RESTRICTIONS TO PREVENT ENTRY BY VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES, 0.5m;  
-DOMESTIC DRIVEWAYS, PARKING AREAS AND NARROW STREETS WITHOUT FOOTWAYS (E.G. MEWS DEVELOPMENT) WITH LIMITED ACCESS FOR VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES, 0.9m;  
-AGRICULTURAL LAND AND PUBLIC OPEN SPACE, 0.9m;  
-HIGHWAYS AND PARKING AREAS WITH UNRESTRICTED ACCESS TO VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES, 1.2m.
  - ALL EXISTING MANHOLE INVERTS TO BE CHECKED AND REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF DRAINAGE WORKS. EXISTING PIPE CONNECTIONS ARE TO BE CCTV SURVEYED AND INSPECTED BY THE ENGINEER AND LOCAL AUTHORITY. IF THE PIPE CONNECTION IS FOUND TO BE DAMAGED OR IN DISTRESS, THE CONTRACTOR IS TO CARRY OUT REMEDIAL WORKS OR PROVIDE A NEW CONNECTION TO THE INVERT LEVELS SHOWN FOR EACH MANHOLE OR OTHER INDICATED POSITION.
  - ALL PLOT FOUL DRAINAGE TO BE MINIMUM 100mm DIAMETER UNLESS OTHERWISE NOTED.
  - ALL ADOPTABLE THERMOPLASTIC STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 13476-1 AND WIS 4-35-01 AND BS EN 13476-2 OR BS EN 13476-3. PIPES SHALL BE ISI KITEMARKED OR HAVE EQUIVALENT THIRD PARTY CERTIFICATION. PIPES LESS THAN OR EQUAL TO 500mm DIA. SHALL HAVE A SHORT-TERM RING STIFFNESS OF NOT LESS THAN 8kN/m<sup>2</sup> (SN8).
  - ALL JOINTING IN ACCORDANCE WITH MANUFACTURERS TECHNICAL ADVICE & SPECIFICATION.
  - ALL NON ADOPTABLE DRAINAGE TO BE THE STANDARD UPVC 110mm, 160mm DRAINAGE AND MANUFACTURED TO BS-EN 1401 AND BS 4660 UNLESS NOTED OTHERWISE.
  - ALL PERMEABLE PAVING CELLS TO HOUSE LATERAL FIN DRAIN ALONG LOWER EDGE WITH 1500 CONNECTION PIPE.
  - ALL STORM WATER DRAINAGE TO BE A MINIMUM OF 150mm DIAMETER UNLESS OTHERWISE NOTED.
  - SOIL & VENT PIPE LOCATION AND NUMBER TO BE CONFIRMED WITH ARCHITECT.
  - THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS, TOGETHER WITH THEIR LATEST SPECIFICATIONS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER (VALE CONSULTANCY) AS SOON AS POSSIBLE.
  - FIGURED DIMENSIONS ONLY TO BE USED. ANY QUERIES OR DISCREPANCIES TO BE REFERRED TO THE ENGINEER (VALE CONSULTANCY) IMMEDIATELY.
  - PRIOR TO ORDERING ANY MATERIALS THE CONTRACTOR IS TO CONFIRM MANUFACTURER/PIPE MATERIAL AND GRADE PROPOSED WITH WATER AUTHORITY.
  - TEMPORARY WORKS DESIGN BY OTHERS.
  - DESIGN RISK ASSESSMENTS AND METHOD STATEMENTS ARE TO BE PROVIDED TO THE PRINCIPLE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY WORKS.

01	CE	SU	FP	2025	REVISED DISCHARGE RATE
02	W	SU	FP	2025	REVISED SAB ISSUE
03	CE	SU	FP	2025	FORMATION LEVELS HAVE BEEN AMENDED TO REFLECT THE REVISED PERMEABLE PAVING DETAIL.
rev.	drawn	chkd.	approved	date	description
Client					
MERTHYR VALLEY HOMES					
Project					
GARAGES AT THE REAR OF YEW CLOSE GURNOS, MERTHYR TYDFIL, CF47 9SD					
Title					
DRAINAGE PLAN					
ValeConsultancy					
CONSULTING CIVIL & STRUCTURAL ENGINEERS					
29 Bocam Park, Old Field Road, Pencoed, Bridgend CF35 5LJ. Phone: 01656 863794 Email: enquiries@vale-consultancy.co.uk					
date	drawn	checked	approved		
29.09.25	CE	SU	FP	29.09.25	29.09.25
scale @ A1	project no.				
1:100	21417				
status	drg. no.				rev.
A	21417_500				04