



LINEAR CHANNEL KERB OUTLET

Angel Street

Julian Terrace

Dunraven



BIO-RETENTION RAINGARDEN

Green Meadow Court

Street

Drainage Legend

- 1000 @ 1:80
- PROPOSED ADOPTABLE COMBINED DRAINAGE
- EXISTING COMBINED DRAINAGE
- DENOTES PRIVATE FW DRAINAGE
- DENOTES PRIVATE SW DRAINAGE
- PROPOSED RAINWATER PIPE
- PROPOSED SOIL & VENT PIPE
- DENOTES 5000 ORIFICE PLATE FLOW CONTROL CHAMBER
- LINEAR CHANNEL DRAIN WITH END OUTLET
- PROPOSED LEVEL
- SITE BOUNDARY

Surfacing Legend

- PERMEABLE BLOCK PAVING WITH TANKED PERMAVOID SUB-BASE STORAGE
- TRADITIONAL PAVING SYSTEM (SERVICE CORRIDOR)
- PAVED FOOTWAY TO ARCHITECTS SPECIFICATION
- TARMAC TO COUNCILS SPECIFICATION
- BIO-RETENTION AREA

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:
 - IN BACK GARDENS OF HOUSES WHERE DEPTH TO CROWN OF PIPE IS LESS THAN 0.35m.
 - IN AREAS OF THE REAR OF FLATS AND PARKING WHERE DEPTH TO CROWN IS LESS THAN 0.9m.
 - IN AREAS OF ROAD WHERE DEPTH IS LESS THAN 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 EXISTING SEWER (PIPE SIZE AND GRADIENT TO BE DETERMINED BY THE ENGINEER.
- THE GRADIENTS INDICATED AGAINST THE DRAIN RUNS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL INSTALL DRAINS 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 BSI 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/m² (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 4680 UNLESS NOTED OTHERWISE.
- 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.

SAB APPROVAL

01	FP	MJ	MJ	MJ	MJ				ISSUE FOR SAB APPROVAL
rev.	drawn	chd.	approved	date					description
Client									
KJG ARCHITECTS									
Project									
PROPOSED SHOPS AND 2 FLATS AT JULIAN TERRACE, PORT TALBOT									
Title									
DRAINAGE PLAN									
Vale Consultancy									
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						
20.03.20	FP	MJ	MJ	20.03.20					
scale @ A1									
1:100									
status	drw. no.								rev.
A	10332_500								01