



1. MH COVERS AND FRAMES TO CONFORM TO BS EN 124:
-HIGHWAYS AND FOOTWAYS TO FRONT OF BUILDINGS (P400)
-FOOTWAYS TO REAR OF BUILDINGS (C250)
2. TYPE S BEDDING AND SURROUND TO ALL PIPES EXCEPT IN THE FOLLOWING CIRCUMSTANCES, IN WHICH TYPE 2 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.
3. 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.
4. 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.

1. EXISTING SEWERS WHICH ARE OR WILL BE DISUSED ARE TO BE TRACED, AND ANY DRAIN WHICH SHOWS SIGNS OF FLOW SHOULD BE INVESTIGATED TO ESTABLISH ITS ORIGIN AND AUTHENTICITY, AND REPORTED TO THE ENGINEER.

ABANDONMENT OF SEWERS	
2.	NO SEWER SHALL BE ABANDONED UNTIL THE CONTRACTOR HAS CONFIRMED THAT THERE ARE NO LIVE CONNECTIONS REMAINING.
3.	NO CONSTRUCTION WORKS SHALL COMMENCE OVER OR WITHIN 1.0 METRES OF ANY SEWER THAT IS TO BE ABANDONED UNTIL THAT SEWER HAS BEEN FILLED AND SEALED WITH PFA/OPC GROUT TO THE SATISFACTION OF THE HIGHWAY AUTHORITY.
4.	THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE COST OF REMOVING ANY GROUT THAT HAS ACCIDENTALLY OR OTHERWISE AFFECTED ANY SEWER/DRAIN THAT IS NOT TO BE ABANDONED.
5.	SEWER GROUTING SHALL CONSIST OF PFA MIXED WITH OPC RATIO 20:1 TO ENSURE A MIX THAT CAN BE PUMPED INTO THE SEWER. MIX STRENGTH 0.7 N/mm Sq. AT 28 DAYS.
6.	ENDS OF THE SEWER SHALL BE SEALED WITH 225mm THICK BRICKWORK WALLS WITH SUITABLE PIPE CONNECTIONS FOR GROUT INJECTION. SACRIFICIAL STOPPERS MAY BE USED ON SMALL DIAMETER SEWERS.
7.	SEWERS/DRAINS LESS THAN 7m IN DEPTH MAY BE "GRUBBED-UP" AND REMOVED.

LEGEND

 BLOCK PAVING TO ARCHITECTS DETAILS
WITH TYPE EF EDGING TO SURROUND

 TRADITIONAL BLOCK

PERMEABLE PAVING SYSTEM
80mm AQUAFLOW BLOCK OR
SIMILAR APPROVED

80mm PERMEABLE PAVING SYSTEM
WITH GEO-CELLULAR PERMAVOID
SYSTEM

GRASSED AREAS TO LANDSCAPE ARCHITECTS DETAILS

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GENERAL NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE FROM THE DRAWING. USE FIGURED DIMENSIONS ONLY.
4. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
6. 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.

— SITE BOUNDARY

	COMBINED SEWER DRAINAGE
	EXISTING DRAINAGE TO BE ABANDONED
	PROPOSED SURFACE WATER DRAINAGE WITH PIPE SIZE AND GRADIENT (SEE LAYOUT)
	PROPOSED FOUL WATER DRAINAGE WITH PIPE SIZE AND GRADIENT (SEE LAYOUT)
	DENOTES PRIVATE FW DRAINAGE
	DENOTES PRIVATE SW DRAINAGE
	PROPOSED RAINWATER PIPE
	PROPOSED WATER BUTT
	PROPOSED SOIL & VENT PIPE
	PROPOSED STUB STACK
	PROPOSED FLOOR OUTLET
	PROPOSED BACK INLET GULLY
	RODDING EYE
	PROPOSED GROUND GULLY

	EXISTING EASEMENT ZONE
	DENOTES FLOW CONTROL CHAMBER WITH ORIFICE PLATE
	FRENCH DRAIN
	PERFORATED SUMP DRAIN
	LINE DRAINAGE SYSTEM ACO NK100S OR SIMILAR APPROVED WITH RODDING ACCESS AND SUMP OUTLET

EXISTING DRAINAGE LEGEND

	EXISTING SURFACE WATER DRAINAGE
	EXISTING FOUL/COMBINED SEWER DRAINAGE
	EXISTING EASEMENT ZONE

PRELIMINARY

Rev.	Drawn	Checked	Appr'd	Date	Disc	Size	Material	Description
01	RGPP	20/09/2021	JRM	JRM				Preliminary Issue
02	RGPP	25/02/2021	UK	UK				Additional topo added - drainage amended to suit existing levels
03	RGPP	25/03/2021	UK	UK				S1-4 added with Run to Ex chamber
04	RGPP	27/06/2021	UK	UK				Amended to suit S104 layouts
05	RGPP	24/06/2021	UK	UK				Existing FW Pipe added, FW1-FW5 Sewer diversion indicated. Run FA-FB in Wheatley Place omitted
06	RGPP	06/07/2021	JRM	JRM				Foul drainage amended to DCiWW Comments. Line drainage Channels to drives added
07	RGPP	06/07/2021	JRM	JRM				Foul drainage amended to permavault Tanks

Client
MERTHYR VALLEYS HOMES

Project
DEVELOPMENT AT
ANEURIN CRESCENT
MERTHYR TYDFIL

Title
DRAINAGE CONCEPT PLAN



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date	drawn	checked	approved
16.12.20	RGP	LR 16.12.20	JM 16.12.20

scale @ A1	project no.
1:200	11969

status	drg. no.	rev.
D	14000/504	05

DRAWING STATUS
 - Approval, AB - As-Built, C - Construction, D - Draft, P - Preliminary, T - Tender