

- KEY**
- MAIN FOUL SEWER (DOWN ADOPTABLE)
 - MAIN SURFACE WATER SEWER (SAB ADOPTABLE)
 - SURFACE WATER SEWER (SAB ADOPTABLE)
 - SURFACE WATER SEWER (PRIVATE)
 - SURFACE WATER SEWER (MANAGEMENT COMPANY)
 - FOUL LATERAL SEWER (DOWN ADOPTABLE)
 - FOUL LATERAL SEWER (PRIVATE)
 - MACRO PERVIOUS PAVING (TYPE 3 SUB-BASE 30% VOIDS)
 - RAIN GARDEN / BIO RETENTION
 - FIN DRAIN WITH TOP HAT OUTLET (SAB ADOPTABLE)
 - FIN DRAIN WITH TOP HAT OUTLET (PRIVATE)
 - FIN DRAIN WITH TOP HAT OUTLET (MANAGEMENT COMPANY)
 - OWNERSHIP DELINEATION KERB
 - DISTRIBUTION BOX (SAB ADOPTABLE)
 - DISTRIBUTION BOX (PRIVATE)
 - DISTRIBUTION BOX (MANAGEMENT COMPANY)
 - PRIVATE ACID DRAIN
 - PRIVATE YARD GULLY
 - PRIVATE ROOFING EYE
 - RWP TO MACRO PERVIOUS DRIVE STONE TRENCH
 - WATER BREAK INLET
 - OVERFLOW GULLY AND CATCHPIT
 - SUB BASE / SINKLE INVERT LEVEL
 - BAFFLE
 - HIGHWAY GULLY AND CONNECTION
 - GRASSCRETE IN THE FORM OF BOOPAVES



- GENERAL NOTES**
1. DO NOT SCALE
 2. THE CONTRACTOR IS TO CHECK AND VERIFY ALL BUILDINGS AND SITE DIMENSIONS AND LEVELS, INCLUDING SEWER INVERT LEVELS, BEFORE WORKS START ON SITE. THE CONTRACTOR IS TO COMPLY IN ALL ASPECTS WITH THE CURRENT BUILDING LEGISLATION, BRITISH STANDARDS, BUILDING REGULATIONS ETC.
 3. POSITIONS OF EXISTING SERVICES/STATUTORY UNDERTAKERS APPARATUS ADJACENT TO OR CROSSING PROPOSED EXCAVATIONS ARE TO BE CHECKED BY THE CONTRACTOR PRIOR TO STARTING WORK.
 4. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH AND CHECKED AGAINST ALL OTHER DRAWINGS/ENGINEERING DETAILS, SPECIFICATION AND ANY STRUCTURAL, GEOTECHNICAL OR OTHER SPECIALIST DOCUMENT PROVIDED.
 5. ANY AMENDMENT OR CONTRIBUTION BETWEEN ANY OF THE ABOVE IS TO BE REPORTED TO BOW SOUTH WALES. THIS DRAWING IS SCHEMATIC FOR CLARITY ONLY. POSITIONS OF PIPE RUNS AND MANHOLES MAY VARY ON SITE DUE TO SITE CONDITIONS.
 6. SUBSIDY TO GARDEN AREAS TO BE BROKEN UP PRIOR TO TOP SOILING.
- DRAINAGE NOTES**
1. ALL PRIVATE DRAINAGE SHALL BE IN ACCORDANCE WITH BS8001 AND RELEVANT SECTIONS OF APPROVED DOCUMENT H OF THE BUILDING REGULATIONS.
 2. THE CONTRACTOR IS TO CHECK THE LEVEL OF EXISTING SERVICES BEING USED AS OUTFALLS OR CROSSING PROPOSED DRAINAGE RUNS PRIOR TO LAYING ANY PIPES. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER.
 3. ALL SURFACE WATER LATERAL PIPES TO BE 150MM DIAMETER UNLESS SHOWN OTHERWISE.
 4. ALL FOUL WATER LATERAL PIPES TO BE 100MM DIAMETER UNLESS SHOWN OTHERWISE.
 5. PRIVATE HOUSE DRAINAGE WILL BE FLEXIBLY JOINTED PLASTIC OR CLAY PIPEWORK. DIAMETER 100MM UNLESS SHOWN OTHERWISE.
 6. ALL CONNECTIONS FOR HOUSE DRAINAGE SHALL BE 100MM UNLESS NOTED OTHERWISE AND MUST EXTEND 500MM BEHIND THE BACK OF FOOTWAY/HOMEZONE ROAD. ALL CONNECTIONS WHEN LAD SHALL BE PLUGGED, PROTECTED AS NECESSARY AND MARKED WITH A STAKE FOR FUTURE USE. ALL DRAINAGE LATERALS FROM THE ADOPTABLE DRAINAGE SYSTEM TO BE 150MM DIA. UNLESS CONNECTING TO THE HEAD OF A 100MM DIA. PIPES.
 7. FOR PRIVATE DRAINAGE WHERE COVER TO PIPES IS LESS THAN 900MM IN VEHICULAR AREAS OR 600MM IN OTHER AREAS PROTECTION IN THE FORM OF A 100MM THICK CONCRETE PAD SHALL BE PROVIDED OVER THE PIPE GRANULAR SURROUND.
 8. WHERE PIPES PASS THROUGH SCREEN WALLS, FOOTINGS OR UNDER BUILDINGS PIPES SHALL BE SURROUNDED WITH 150MM THICKNESS OF GRANULAR MATERIAL. WHERE DRAINS PASS WITHIN 1M OF BUILDINGS THE WALL FOUNDATION SHALL BE TAKEN DOWN BELOW THE INVERT OF THE PIPE. WHERE DRAINS DO NOT EXCEED 900MM DEEP, PLASTIC OR CLAY ACCESS FITTINGS MINIMUM DIAMETER 225MM SHALL BE USED. ELSEWHERE PROPRIETARY PLASTIC OR PRECAST CONCRETE INSPECTION CHAMBERS SHALL BE USED UNLESS SHOWN OTHERWISE. FIN INSPECTION CHAMBERS ARE TO BE 750MM BELOW DPC LEVEL AND SW CHAMBERS AND ROOFING EYES TO BE 450MM BELOW DPC.
 9. ALL GULLIES AND RAINWATER DOWNPIPES CONNECTED DIRECTLY TO DRAINS ARE TO BE RODDABLE.
 10. HOUSE LEVELS SHOWN ARE DPC AND ADJACENT GARAGE FLOORS ARE TO BE 150MM LOWER UNLESS SHOWN OTHERWISE. LEVELS AT DRAINAGE ACCESS POINTS ARE INVERTS.
 11. DRAINAGE RUNS SHOULD BE LAD AT A MINIMUM OF 5.0M FROM THE REAR OF PROPERTIES WHERE PRACTICAL TO ALLOW FOR FUTURE EXTENSIONS.
 12. ALL DRAINAGE SHALL BE LAD UPSTREAM AND EACH RUN BETWEEN MANHOLES SHALL BE LAD COMPLETE. PRIOR TO BACKFILLING, WHERE THIS IS NOT PRACTICAL, TIAL HOLES OR OTHER MEANS OF IDENTIFYING THE LINE AND LEVEL OF SERVICES SHALL BE CARRIED OUT PRIOR TO WORKS COMMENCING.
 13. ALL BRANCH DRAINS, OR CONNECTIONS, ARE TO DISCHARGE TO THE COLLECTORS OBVIOUSLY, AND IN THE DIRECTION OF THE MAIN FLOW.
 14. ALL LOW SPOTS ON HARDSTANDING AREAS TO HAVE YARD GULLIES/ACC.

- SEWER ADOPTION NOTES**
- ALL WORKS FOR ADOPTION UNDER A SECTION 104 AGREEMENT SHALL BE CARRIED OUT TO THE NATIONAL WATER COUNCIL GUIDE "SEWERS FOR ADOPTION" 7TH EDITION AND DWR CDMRU WELSH WATER'S REQUIREMENTS.
- APPROVED DWR CDMRU WELSH WATER PLASTIC PIPE SYSTEMS ARE AS FOLLOWS:
- MARLEY TWINWALL SYSTEM
 - UPWATER ULTRARIB SYSTEM
 - COMA ULTRARIB SYSTEM
 - POLYSEWER TWINWALL SYSTEM
 - POLIPIPES - RIGIDWEEK (400mm-600mm AND 750mm-900mm)
- PLEASE NOTE THAT THE INSTALLER MUST BE ACCREDITED WITH THE BRITISH PLASTICS FEDERATION (BPF).

P2 09/04/2021 Layout updated; drainage updated to suit.
 P1 07/04/2021 Layout updated; drainage updated to suit. Management company drainage colour updated.

Revisions

Project: **Llewellyn Road Penlergaer**

Client: **BARRATT**

Drawing: **Drainage Layout Sheet 1**

Scale: 1:250 @ A4 Date: March 2021 Drawn by: JPB

Drawing No: **10289-101-01** Rev: P2

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