

- Drawing Notes:**
- This drawing is to be read in conjunction with all other relevant Architect/Designer's drawings, surveys and Bear Consulting project drawings/specifications.
 - This drawing has been produced for tender purposes only and is not to be used for construction.
 - Exact location of all apparatus to be determined on site.
 - Existing site plan and existing foul water information has been provided by the client (Ref: 6747-BHP-ZZ-XX-DR-C-(50)003_P04 - Bike Wash Drainage.pdf).
 - Proposed site plan and roof protection area information has been provided by landscape architect's drawing (Ref: 2025 11 2nd Nov MASTERPLAN Rev L.dwg).
 - Topographical information has been obtained from drawings (Ref: 'BIKE.dwg' and 2025 11 2nd Nov MASTERPLAN Rev L.dwg) and LIDAR data. Further topographical survey to be carried out prior to construction to cover all necessary areas of the site to confirm levels.
 - Proposed SVP and gully locations shown indicatively, TBC with Architect.

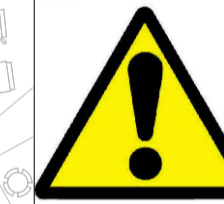
- KEY**
- Existing watercourse Nant y Graig (From Topo Survey)
 - Existing watercourse Nant y Graig (Assumed Route)
 - Existing Bike Wash Effluent Drainage
 - Existing Foul Drainage (serving existing building/cafe)
 - EXRB Existing Reed Bed
 - ST Existing Silt Trap
 - Outfall 1 - Existing Outfall
 - Outfall 2 - Proposed Outfall (160mm ACO SuDS Swale inlet or similar approved)
 - Proposed Private Foul Drain
 - Proposed Private Foul Drainage Chamber (Chamber types - refer to manhole schedule)
 - SVP Proposed SVP (Locations TBC by Architect)
 - SG Proposed Suitably Trapped Shower Gully (Detail & Location TBC by Architect)
 - PTP Proposed Package Treatment Plant
 - TTP Proposed Tertiary Treatment Plant
 - Existing Drain Run to be Capped
 - Root Protection Area



FOUL DRAINAGE CONSTRUCTION WORKS SHALL NOT COMMENCE UNTIL ALL APPLICABLE PERMIT REQUIREMENTS HAVE BEEN CONFIRMED AND WRITTEN ACCEPTABILITY HAS BEEN OBTAINED FROM NRW.



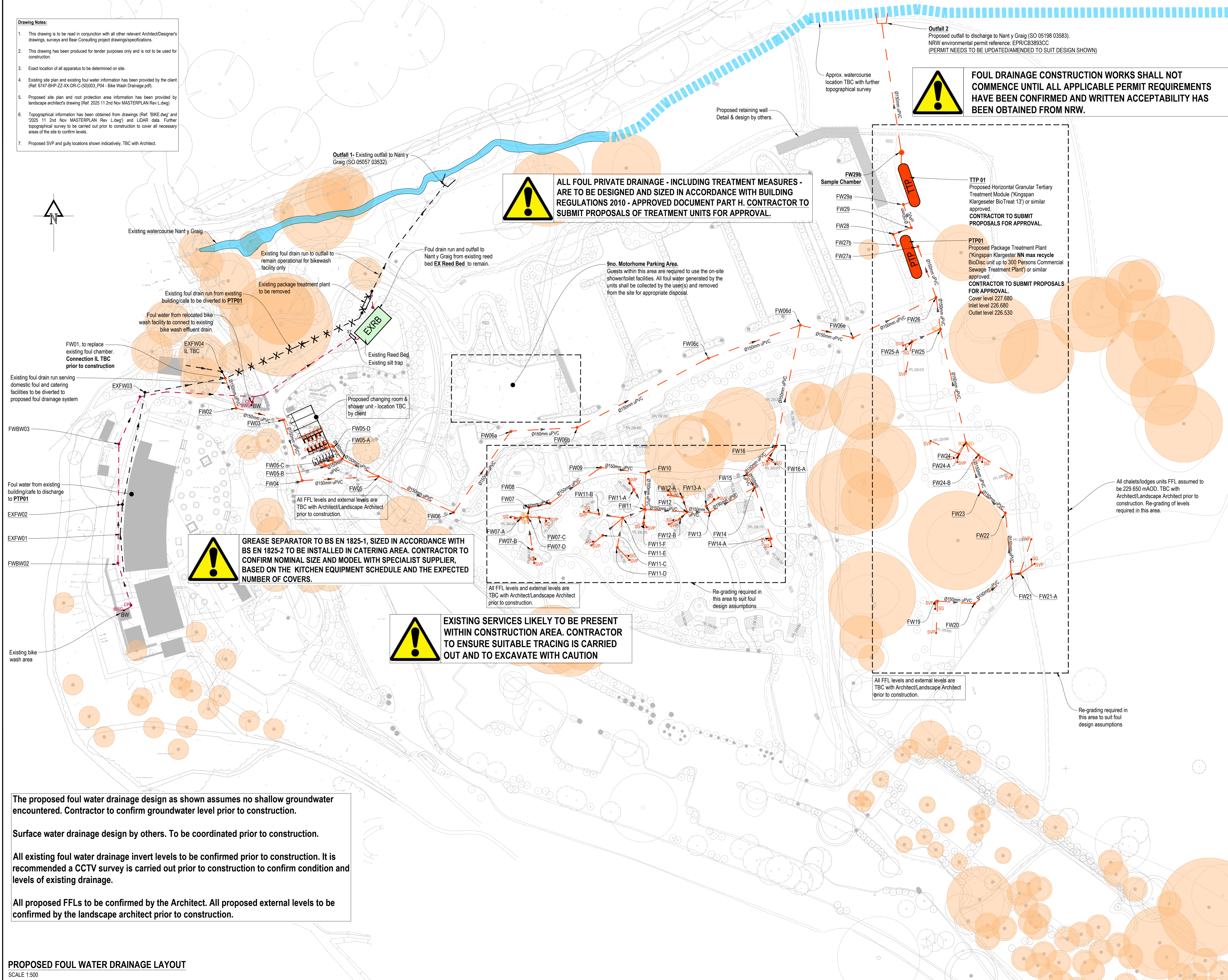
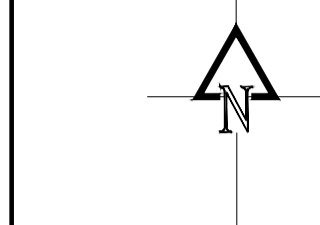
ALL FOUL PRIVATE DRAINAGE - INCLUDING TREATMENT MEASURES - ARE TO BE DESIGNED AND SIZED IN ACCORDANCE WITH BUILDING REGULATIONS 2010 - APPROVED DOCUMENT PART H. CONTRACTOR TO SUBMIT PROPOSALS OF TREATMENT UNITS FOR APPROVAL.



GREASE SEPARATOR TO BS EN 1825-1, SIZED IN ACCORDANCE WITH BS EN 1825-2 TO BE INSTALLED IN CATERING AREA. CONTRACTOR TO CONFIRM NOMINAL SIZE AND MODEL WITH SPECIALIST SUPPLIER, BASED ON THE KITCHEN EQUIPMENT SCHEDULE AND THE EXPECTED NUMBER OF COVERS.



EXISTING SERVICES LIKELY TO BE PRESENT WITHIN CONSTRUCTION AREA. CONTRACTOR TO ENSURE SUITABLE TRACING IS CARRIED OUT AND TO EXCAVATE WITH CAUTION



- Drainage Notes:**
- All existing drainage levels and outfall points shall be surveyed and verified by the contractor prior to the commencement of the works. Any discrepancies shall be reported to the engineer immediately.
 - Pipework under heavy trafficked areas with less than 1.2m cover, and other trafficked areas with less than 0.9m cover to receive concrete encasement.
 - Manhole/inspection chamber covers should not bridge different surfaces. chamber cover class to be D400 in trafficked areas or C250 in pedestrian-only areas.
 - Where two pipelines (other than plastic pipes) cross with less than 300mm separation pipes are to be surrounded with class 2 concrete surround for not less than 1m centered on the crossing point. Concrete surround to be extended as necessary to within 150mm of nearest flexible joints.
 - All pipework to be laid with soffits to soffits connections unless noted otherwise.
 - All private drainage to be installed in accordance with current approved document - building regulations part H.
 - It is recommended that the downstream connections and inverts are confirmed prior to construction of any drainage. Drainage should then be installed from the connection point to the discharge collection points.
 - All proposed foul water drain runs to be 150mm uPVC pipe unless noted otherwise.
 - All proposed foul water drain runs to be SN8 ring stiffness class unless noted otherwise.
 - All existing foul water drainage is to be verified prior to construction. Any discrepancies identified are to be reported to the engineer immediately.
 - All proposed units locations to be confirmed with client.
 - All proposed foul gullies to be suitably trapped.
 - No construction to commence prior to confirmed permit requirements and acceptability by NRW.
 - No surface water or roof/drainage shall enter the foul drainage system or PTP.

Rev.	Date.	Details.	By.	Chk.
C	05.02.25	Updated shower block arrangement		PC
B	15.12.25	Updated drainage route and amended strategy for motorhome area following client meeting		PC
A	03.12.25	Klargester PTP model updated. Note added regarding grease separator to be installed near commercial kitchen unit		PC

The proposed foul water drainage design as shown assumes no shallow groundwater encountered. Contractor to confirm groundwater level prior to construction.

Surface water drainage design by others. To be coordinated prior to construction.

All existing foul water drainage invert levels to be confirmed prior to construction. It is recommended a CCTV survey is carried out prior to construction to confirm condition and levels of existing drainage.

All proposed FFLs to be confirmed by the Architect. All proposed external levels to be confirmed by the landscape architect prior to construction.

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Project: **BIKE PARK WALES, MERTHYR TYDFIL**

Title: **PROPOSED DRAINAGE LAYOUT FOUL WATER**

Drawing Status: **FOR TENDER**

Drawn:	Checked:	Scale(s) at A1:
WH	PC	1:500

Date:	Job No:	Drawing No.	Revision
20/11/2025	P0667	C01	C