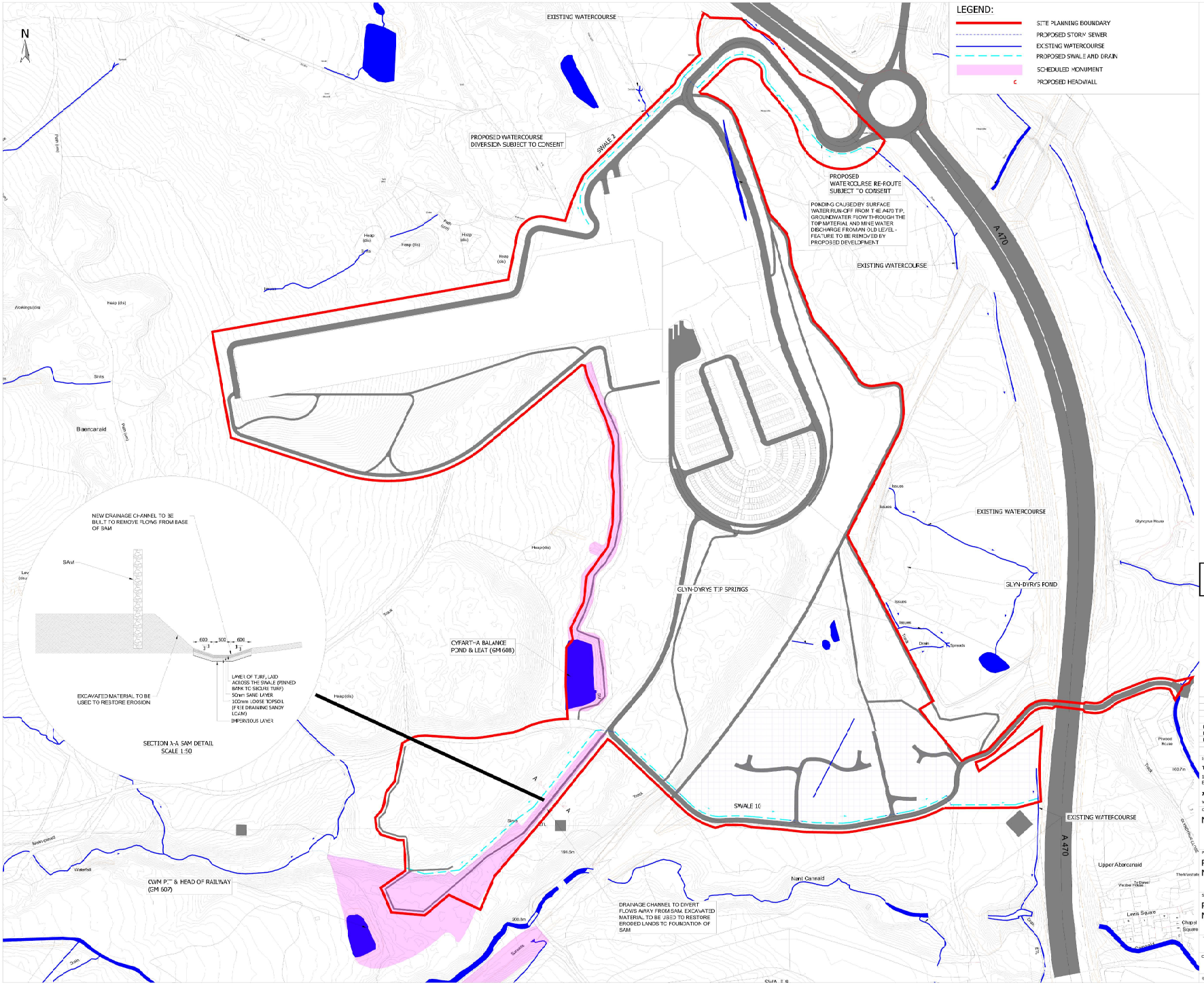


GENERAL NOTES

1. All drainage works and materials to comply with Civil Engineering Specification for Water and Sewerage Schemes, 7th Edition
2. All details to be read in conjunction with BS 752-3, Drain & Sewer Systems Outside Buildings - 1997.
3. All SUDS to be in accordance with CIRIA C6753 and constructed in accordance with CIRIA C768
4. uPVC non-pressure pipes are to be push fit rubber ring sealed joints 160mm nominal bore to BS4660:2000 BS EN 13598-1:2001 and 200mm, 250mm, 315mm and 400mm nominal bores to BS EN1401-1:1998. Concrete pipes are to be spigot and socket manufactured to BS 5911 - 1:2003 with gaskets. Pipes diameters 375mm and above to be Class H.
5. HDPE Pipework to be Polypipe Ridgidrain or similar approved.
6. Concrete to BS EN 1992
7. The minimum cover to sewer pipes must be 1.2m from existing road surface in roads and 0.75m from surface level in fields. where these cannot be achieved the contractor must provide adequate protection to the pipes in the form of a reinforced concrete protection slab on receipt of the engineer's instruction.
8. The sewer shall be cleaned and flushed with clean water while being rodded from manhole to manhole with a rubber tipped plunger the same size as the pipe diameter.
9. Testing of the sewer shall be carried out between manholes using the air test as specified in CESW, 7th edition.
10. The sewers shall be tested after jointing and before placement of a reinforced concrete protection slab or backfilling is commenced other than such as may be necessary for structural stability whilst under test. once backfilling has been completed the sewers shall be tested again.
11. The Contractor shall produce a CCTV internal inspection of the completed sewer. This shall be carried out prior to final reinstatement and with the site supervisor / project manager in attendance.
12. The Contractor shall contact utility services and request on site identification and location of services prior to commencement of the works. services indicated on this drawing are indicative only and should be confirmed on site by the contractor
13. The Contractor is to check the layout, type and level of all services prior to commencing excavation works. Any errors shall be reported to the project manager immediately construction.
14. All new drainage trenches shall be excavated down to firm bearing strata. extra over depth of excavation shall be made up in compacted type 1 granular material to the underside of the pipe bedding
15. All new drainage laid to falls of less than 1:100 to be installed by laser alignment method to ensure required accuracy
16. Backfill, road base and sub base to be compacted in accordance with Appendix A3, compaction requirements, of the NIRAUC Specification
17. The Contractor may be required to undertake the excavation of Test Holes prior to commencing the contract to ascertain the location of any services.

FOR PLANNING

P03	UPDATED SITE BOUNDARY	15.08.23	SM	PJC	PJC
P02	UPDATED SITE BOUNDARY	01.02.22	SM	PJC	PJC
P01	PRELIMINARY FIRST ISSUE	01.11.21	SM	PJC	PJC
Ver	Description	Date	Drn / Chk / App		

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Client
MARVEL LTD

Project Name
RHYDYCAR WEST
MERTHYR TYDFIL

Sheet Title
PROPOSED DEVELOPMENT - WATERCOURSE MITIGATION MEASURES

TT Project Number	Drawn by	Date	Checked by	Date	Approved by	Date	Scale @ A1	Suitability
B027142	SM	Nov 21	PJC	Nov '21	PJC	Nov '21	1:1750	S0

Client Project Number	Originator	Volume/System	Level/Location	Type/Code	Role	Number	Revision
TBC	- TTE	- OC	- ZZ	- DR	- S	- 011	P03

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