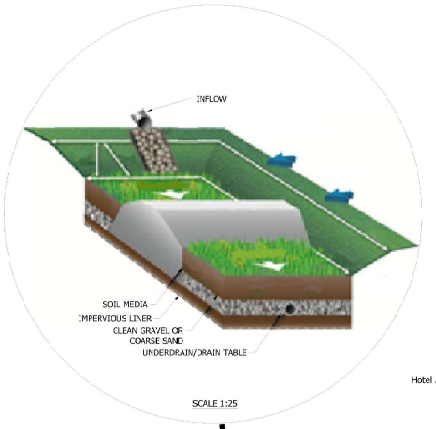
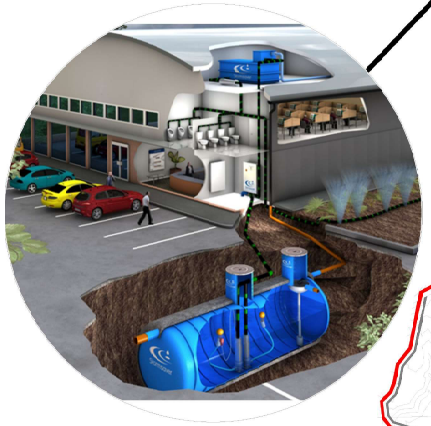


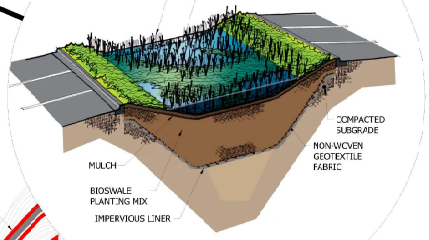

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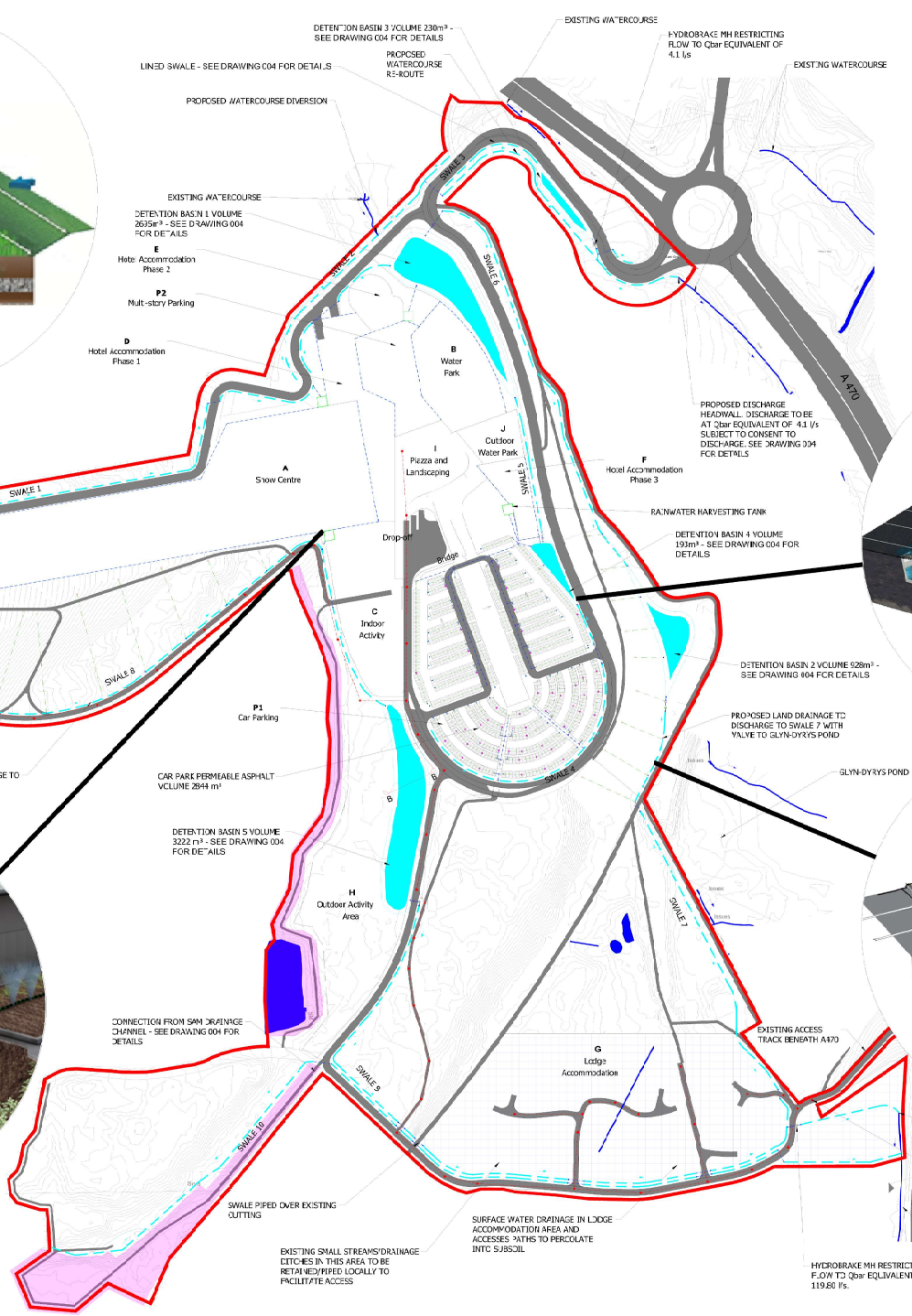
SCALE 1:200




SCALE 1:200




SCALE 1 20




## LEGEND:

- SITE PLANNING BOUNDARY
- PROPOSED FOUL SEWER
- PROPOSED STORM SEWER
- PROPOSED LAND DRAIN uPVC PERFORATED PIPEWORK
- EXISTING WATERCOURSE
- PROPOSED SWALE AND DRAIN
- SCHEDULED ANCIENT MONUMENT
- FOREST LODGES
- PROPOSED MANHOLES
- PROPOSED MANHOLE TO BE FITTED WITH A HYDRO BRAKE OPTIMUM RANGE
- PROPOSED SILT TRAP MANHOLE
- PROPOSED OUTLET HEADWALL FITTED WITH TIDEFLEX VALVE
- PROPOSED INLET / OUTLET FOR SWALE / BASIN
- PROPOSED CONTROFLOW SCO SERIES CHAMBER
- PROPOSED 450mm ø INSPECTION CHAMBER
- RODDING EYE ON FRENCH DRAIN / LAND DRAIN JUNCTION
- RAINWATER HARVESTING TANK
- POROUS ASPHALT

## 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 13598-1:2201 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 approvec.
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 biased 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 shal produce a CCTV internal inspection of the completed sewer. This shall be carriec out prior to final reinstatement and with the site supervisor / project manager in attendance.
12. The Contractor shal 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 shal be made up in compacted type 1 granular material to the undersice 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 NRAUC 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.

**PRE PLANNING**

| Ver | Description | Date | Drn | Chk | App |
|---|---|---|---|---|---|
| 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 |

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Issuing Office
**Tetra Tech Belfast**
1 Lockside Business Park, Montgomery Road, Belfast, Unitec Kingdom, BT6 9LP
Tel: +44 (0)28 9070 6030
www.tetratecheurope.com

Client
MARVEL LTD

Project Name
RHYDYCAR WEST
MERTHYR TYDFIL

Sheet Title
PROPOSED DEVELOPMENT - DRAINAGE STRATEGY

| 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 | - 003 | P03 |

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