



Basin Section 1  
Scale: 1:200

CDM Note  
These drawings have been produced with reference to the CDM Regulations 2015.  
Please note that these are pre-construction phase drawings and should be subject to further design risk management as required in accordance with Regulation 9.

- NOTES:
- Flood model data has reported a volume of \*13,500m3 is required within the central flood storage area  
\* further interrogation is required.
  - On site attenuation volume \*\*2,400m3  
\*\* allowable discharge rate set to 25.5 l/s based upon STW requirements.
  - Basin shown is designed to achieve a volume of 15,900m3 capacity.
  - Land profile above existing public sewers cannot be reduced below existing levels. Suitable gradient to be supplied above existing sewers to facilitate sewer maintenance access for STWL. Currently shown at 1:4.
  - 1:6 access slope provided to bed of basin.
  - Existing basin over-dug by 2.7m depth to achieve required storage volume.
  - Low flow channels will be included in final design.
  - Area of bowl provided with permanent water and suitable planted.
  - Hydraulic design model results have been utilised from Version 19.

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Client  
St. Modwen Homes

Project  
Land North of Round Gardens, Rugby

Title  
Flood Storage Area Design

Drawing Issue Status  
For Planning

PJA Ref 05554/B Scale @ A1 1:500 Date 12.06.2024

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