



- NOTES
- Design is based on the recommendations of the design guide "Sewers for Adoption 6th Edition" and is subject to DWR CYMRU Welsh Water Approval.
  - All dimensions are in millimetres unless noted otherwise.
  - All levels are m AOD unless noted otherwise.
  - This drawing is to be read in conjunction with drawings 5035112/STA/C 555 to 5035112/STA/C 575.
  - All existing levels, pipe sizes, manhole positions, etc. are to be proven on site by the contractor before site work commences. Atkins to be notified of any discrepancies.
  - All setting out information relates to Ordnance Survey Grid of co-ordinates.
  - TBC - To be confirmed.
  - Sewer to be constructed in verticle sided trench.
  - In locations where ground levels are to be increased and where cover to proposed pipework from existing ground level is less than 1.2m, temporary protective measures should be implemented such as raising ground levels or providing designated crossing points.
  - The contractor must self vet and certify that the design criteria, material workmanship specifications for the proposed adoptable sewers are in accordance with those set out in Sewers for Adoption 6th Edition and the requirements of DCWW as the statutory sewerage undertaker.
  - Pipe crushing strength.

Concrete Pipe ø	Minimum Crushing Load (kN/m)
375	45
450	52
525	58
600	68
750	81
1050	120
Clay Pipe ø	Minimum Crushing Load (kN/m)
150	40
225	45
300	60

- LEGEND
- Proposed Surface Water Sewer & Manhole
  - Existing Ground Level
  - Existing Rising Main
  - Type 1 Sub-base Material or Suitable Excavated Material as DWRs And Highway Authority Specification From Top of Pipe Bedding to Underside of Road Formation. Backfill Runs to Back of Verge Plus 1m.
  - Ground Filled With Suitable Material Over Pipe to a Min Depth of 600mm Above Crown.

Rev	Reason	By	Date	Chk'd	Auth
D	HW2 - HW3 RUN REVERSED	AF	25.10.07	DRS	R/W
C	MH 10.1 - MH 10 REVERSED	AF	07.09.07	DRS	R/W
B	VARIOUS REVISIONS	AF	19.07.07	DRS	R/W
A	PREVIOUS VERSION OF DWG - SCAC DRAWING RE No. MINOR REVISIONS	AF	04.06.07	DRS	R/W

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Project: TY MAWR BUSINESS PARK DEVELOPMENT  
Infrastructure

Title: SURFACE WATER PLAN & LONGITUDINAL SECTION  
SHEET 2 OF 2

Original No.	Scale	Design Date	Drawn By	Checked By	Authorised By
AD	SHOWN	04.06.07	AF	PJE	R/W