DO NOT SCALE



Pipe Materials Table

Pipe Materials Table	Pipe Materials Table
100	CLAYWARE
150	CLAYWARE
225	CLAYWARE
300	CLAYWARE
375	CONCRETE

Contractor may elect to use thermoplastics pipes. These shall comply with the relevant provisions of BS EN 1401-1, BS EN 1852 and BS EN 12666-1 and should be Welsh Water approved products

Bedding and Surround Table

Depth to Soffit	Bedding and Surround Type
>1.2m	Class S
<1.2m	Class Z

NOTE

Adoptable materials/workmanship to conform to Part E of "Sewers for Adoption" 7th Edition.

0 1 2 4 6 8 10 15 20

SCALEBAR (m)

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15. Where pipe sizes are not indicated :
100Ø to be used for foul
100Ø to be used for surface water
unless stated otherwise.

16. Minimum surface water gradients shall be:
100Ø laid at 1:100 with the exception of the first connection which shall be minimum 1:60.
150Ø laid at 1:150

17. Minimum 100Ø foul drainage gradient to be 1:80 with the exception of the first connection which shall be minimum 1:40.

18. Manhole covers to be marked FWS or SW as appropriate.

19. All manhole covers and frames shall comply with BS EN124. All adoptable manholes and chambers shall comply with Sewers for Adoption 7th Edition. Covers in roads to be grade D400 and be 150mm deep. Manhole covers in car parking areas and drives to be grade B125 and covers in landscaping areas to be grade A15. All to be sized in accordance with Building Regulations Part H, Tables 11 & 12.

20. Precast concrete rings to be reinforced.

21. Backdrops in private manholes / inspection chambers to be internal

22. Private drains laid under adopted / private roads to be Class S granular bed and surround with a minimum of 1.2m cover, where this cannot be achieved a Class Z concrete bed and surround shall be provided.

23. Private drains located under landscape areas or driveways / car parking bays to be Class B granular bed and surround with a minimum 0.6m cover, where this cannot be achieved a Class Z concrete bed and surround shall be provided.

9. Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.

10. Slab levels shall not be varied without reference to the Engineer for guidance.

11. The developer must self-vet and certify that the design criteria, material standards and workmanship specifications for the proposed adoptable sewers are in accordance with those set out in "Sewers for Adoption" 7th Edition (SFA 7th), The Welsh Ministers Standards and the requirement of DCWW as the Statutory Sewerage Undertaker.

26. Subject to a Section 104 Adoption Agreement being complete, a Section 106 application to connect must be made to DCWW the developer shall be given 21 days notice prior to connection. The works may only be undertaken by an SSIP Health & Safety approved contractor.

27. Adoptable materials and workmanship conform to part E of "Sewers for Adoption" 7th Edition.

28. All Highway gullies to be 150mm pipework connecting into main Surface Water sewer

29. All surface water SUDS features to be adopted by SAB but to be maintained by a private water management company set up by Taylor Wimpey NW.

30. All foul water drainage serving more than one plot to be presented to DCWW for adoption.

Legend

- Site Boundary
- Existing SW Sewer
- Existing FW Sewer

Proposed Sewers

- F01 — Proposed S104 Adoptable Foul Sewer
- S01 — SABS Adoptable Surfave Water Sewer
- Sewer Easement (Min 6m Width)

Proposed Plot Drainage

- 300Ø IC 450Ø IC — Private Surface Water Drain
- SABS Adoptable Surface Water
- Private Foul Drain
- S104 Adoptable Foul Drain
- SVP
- RWP
- Rodding Eye
- ACO ACO ACO ACO ACO — Linear Drainage Channel
- Highway Gully
- Tanked Permeable Paving
- Flow Control
- Diffuser Unit
- FFL xx.xx — Plot Slab Level
- RG — Rain Garden

Notes

1. All dimensions are in millimetres unless otherwise shown.
2. All adoptable drainage shall be constructed in accordance with 'Sewers for Adoption' 7th Edition, Welsh Ministers Standards and Welsh Water Details and Guidelines.
3. All private drainage works are to comply fully with Part H of the Building Regulations.
4. All existing invert levels to be checked by the contractor at the start of works and any other discrepancies notified to the Engineer prior to commencing works. All levels are based on topographical survey information provided by others.
5. It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works.
6. The Contractor shall adhere to the CDM Regulations at all times.
7. Only trained personnel shall be permitted to enter confined spaces.
8. All materials to bear the relevant B.S. Kitemark and comply fully with the Sewers for Adoption 7th Specification. All concrete & concrete products must use Sulphate resistant cement (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur to withstand a class 3 condition).
9. All opening notices etc. as required under Highways Acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or Welsh Water as applicable.
10. Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption.
11. Cover loadings shall be as detailed on the Manhole Schedule.
12. Drain trenches should not be excavated lower than the foundations of any building nearby unless either:
a) The trench is within 1m of the foundation, the trench is filled with concrete up to the lowest level of the foundation, or
b) Where the trench is further than 1m from the building, the trench is filled with concrete to a level bellow the lowest level for the building equal to the distance from the build, less 150mm.
13. All SVP and RWP connections are indicative and shall be confirmed by the client.
14. Pipe gradients out of the building to connecting manhole to be laid at 1:40 in accordance with Building Regulations, Part H, Table 6.

TENDER

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Client
TOMOS HOMES LTD.

Project
MORETON PUBLIC HOUSE, JOHNSTOWN.

Title
Proposed S104 Drainage Layout

DRAWING NUMBER	SCALE at A1	1:250	
7633 / 101	DATE	05.07.23	REVISION
	DRAWN	PW	-
	CHECKED	AJ	