DO NOT SCALE

NORTH

Foul Inspection Chamber Schedule

Manhole Number	Coordinates	Cover Level	Pipe In	Pipe Out	Depth to Invert Level	Pipe Diameter	Manhole Size	Manhole Type	Manhole Cover
IC F1	E. 339768.951 N. 334665.390	91.850	91.250	91.250	0.600	100 100	300	Type E PPIC	A15
IC F2	E. 339768.646 N. 334662.975	91.850	91.250	91.250	0.600	100 100	300	Type E PPIC	A15
IC F3	E. 339772.061 N. 334660.560	91.850	91.250	91.250	0.600	100 100	300	Type E PPIC	A15
IC F4	E. 339774.349 N. 334657.793	91.850	91.250	91.250	0.600	100 100	300	Type E PPIC	A15
IC F5	E. 339776.106 N. 334655.660	91.850	91.250	91.250	0.600	100 100	300	Type E PPIC	A15
IC F6	E. 339779.133 N. 334651.994	91.850	91.250	91.250	0.600	100 100	300	Type E PPIC	A15
IC F7	E. 339781.075 N. 334649.201	91.850	91.250	91.250	0.600	100 100	300	Type E PPIC	A15
IC F8	E. 339782.170 N. 334650.555	91.850	90.780	90.780	1.070	100 100	450	Type D PPIC	A15
IC F9	E. 339794.465 N. 334640.023	91.350	90.750	90.750	0.600	100 100	300	Type E PPIC	A15
IC F10	E. 339795.790 N. 334643.101	91.350	90.750	90.750	0.600	100 100	300	Type E PPIC	A15
IC F11	E. 339800.263 N. 334644.772	91.350	90.420	90.420	0.930	100 100	450	Type E PPIC	A15
IC F12	E. 339798.697 N. 334660.161	91.100	90.400	90.400	0.700	100 100	300	Type E PPIC	A15
IC F13	E. 339798.631 N. 334659.409	91.100	90.400	90.400	0.700	100 100	300	Type E PPIC	A15
IC F14	E. 339795.909 N. 334656.793	91.100	90.400	90.400	0.700	100 100	300	Type E PPIC	A15
IC F15	E. 339791.872 N. 334654.746	91.300	90.260	90.260	1.040	100 100	450	Type D PPIC	A15
IC F16	E. 339788.374 N. 334655.142	91.500	90.160	90.160	1.340	100 100	450	Type D PPIC	A15

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.

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

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.
15. Where pipe sizes are not indicated :
    100Ø to be used for foul
    100Ø to be used for surface water
    unless stated otherwise.
14. 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
15. Minimum 100Ø foul drainage gradient to be 1:80 with the exception of the first connection which shall be minimum 1:40.
16. Manhole covers to be marked FWS or SW as appropriate.
17. 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.
18. Precast concrete rings to be reinforced.
19. Backdrops in private manholes / inspection chambers to be internal
20. 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.
21. 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.
22. Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.
23. Slab levels shall not be varied without reference to the Engineer for guidance.

CONSTRUCTION

Rev.	Date	Revision	By	Appd.
A	31.08.23	Updated to construction	PW	AJ

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Client

MERE HOLDINGS (ELLESMERE) LTD

Project

LAND AT VICTORIA GARAGE, ELLESMERE.

Title

Private Manhole Schedules (FW)
Sheet 2 of 2

DRAWING NUMBER	SCALE at A1	NTS	
8194 / 05-2	DATE	14.07.23	REVISION
	DRAWN	PW	A
	CHECKED	AJ	