

DO NOT SCALE

MANHOLE SCHEDULE

Sheet 1 of 1

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F1	85.865		0	1.000	84.515	1200	Type 2	D400 675 X 675
E. 332850.310 N. 350601.329	1.200							
F2	86.354		0	2.000	85.004	1200	Type 2	D400 675 X 675
E. 332858.514 N. 350627.057	1.200							
F3	86.144		1 2	1.000 2.000	84.329	1200	Type 2	D400 675 X 675
E. 332854.831 N. 350615.449	1.665							
F4	85.646		1	1.001	84.162	1200	Type 2	D400 675 X 675
E. 332833.444 N. 350622.496	1.334							
F5	85.598		1	1.002	84.123	1200	Type 2	D400 675 X 675
E. 332830.874 N. 350627.175	1.325							
F6	85.555		1	1.003	83.929	1200	Type 2	D400 675 X 675
E. 332832.440 N. 350653.320	1.477							
F7	85.235		1	1.004	83.828	1200	Type 2	D400 675 X 675
E. 332835.630 N. 350666.517	1.257							
F8	85.348		1	1.005	83.340	2000	Type 2	D400 675 X 675
E. 332840.538 N. 350668.270	1.858							

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Sheet 1 of 1

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S1	85.233		0	1.000	82.550	1800	Type 2	D400 675 X 675
E. 332832.934 N. 350665.951	1.933							
S2	85.585		1	1.000	82.506	1800	Type 1	D400 675 X 675
E. 332829.921 N. 350648.506	2.329							
S3	85.544		1	1.001	82.455	1800	Type 1	D400 675 X 675
E. 332828.725 N. 350628.090	2.339							
S4	85.580		1	1.002	82.438	1800	Type 1	D400 675 X 675
E. 332831.210 N. 350621.626	2.392							
S5	86.293		0	2.000	82.268	1800	Type 2	D400 675 X 675
E. 332856.086 N. 350627.284	3.125							
S6	86.022		1 2	2.000 1.003	82.232	1800	Type 1	D400 675 X 675
E. 332851.562 N. 350613.787	2.890							
S7	85.799		1	1.004	82.199	1800	Type 1	D400 675 X 675
E. 332847.914 N. 350601.009	2.700							
S8	85.750		1	1.005	82.166	1800	Type 1	D400 675 X 675
E. 332848.020 N. 350587.999	2.684							
S9	85.700		1	1.006	82.137	2400	Flow Control	D400 675 X 675
E. 332853.216 N. 350577.746	3.338							
S10	85.600		1	1.007	82.025	1200	Type 1	D400 675 X 675
E. 332850.324 N. 350566.887	3.350							
S11	84.590		1	1.008	81.100	1200	Type 1	D400 675 X 675
E. 332844.775 N. 350559.899	4.765							

Notes

- All dimensions are in millimetres unless otherwise shown.
- All adoptable drainage shall be constructed in accordance with 'Sewers for Adoption' 7th Edition, Welsh Ministers Standards and Welsh Water Details and Guidelines.
- All private drainage works are to comply fully with Part H of the Building Regulations.
- 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.
- 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.

Pipe Materials Table

Pipe Materials Table	Pipe Materials Table
100	PVC-U
150	PVC-U
225	PVC-U
900	AquaSpira SRP

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.

DRAWING LIST

- 7387 / 01 Proposed Drainage Layout
- 7387 / 02 Highway Layout & Setting Out
- 7387 / 03 Drainage Construction Details
- 7387 / 04 Highway Construction Details
- 7387 / 05 External Works Layout
- 7387 / 06 Highway & Drainage Longsections
- 7387 / 07 S38 Agreement Plan
- 7387 / 08 Manhole Schedule
- 7387 / 09 Plot Manhole Schedules
- 7387 / 10 Surface Water Catchment Areas
- 7387 / 11 Flow Control Details
- 7387 / 12 Manhole Connection Plan

- The Contractor shall adhere to the CDM Regulations at all times.
- Only trained personnel shall be permitted to enter confined spaces.
- 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).
- 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.
- 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.
- Cover loadings shall be as detailed on the Manhole Schedule.
- 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 below the lowest level for the building equal to the distance from the build, less 150mm.
- All SVP and RWP connections are indicative and shall be confirmed by the client.
- Pipe gradients out of the building to connecting manhole to be laid at 1:40 in accordance with Building Regulations, Part H, Table 6.
- Where pipe sizes are not indicated :
1000 to be used for foul
1000 to be used for surface water unless stated otherwise.
- Minimum surface water gradients shall be:
1000 laid at 1:100 with the exception of the first connection which shall be minimum 1:60
1500 laid at 1:150
- Minimum 1000 foul drainage gradient to be 1:80 with the exception of the first connection which shall be minimum 1:40.
- Manhole covers to be marked FWS or SW as appropriate.
- 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.
- Precast concrete rings to be reinforced.
- Backdrops in private manholes / inspection chambers to be internal
- 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.
- 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.
- Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.
- Slab levels shall not be varied without reference to the Engineer for guidance.

APPROVAL

B	16.03.20	Updated to suit revised site levels	LW	AJ
A	05.03.20	Cover Levels updated to highway	LW	AJ
Rev.	Date	Revision	By	Appd.



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Client

Castlemead Group Ltd

Project

JACQUESWAY,
WREXHAM

Title

Manhole Schedules

DRAWING NUMBER		SCALE at A1		NTS	
7387 - 08		DATE	DEC 19	REVISION	
		DRAWN	LW	B	
		CHECKED	AJ		