

DO NOT SCALE

Surface Water Inspection Chamber Schedule (Adoptable)

Manhole Number	Coordinates	Cover Level	Pipe In	Pipe Out	Depth to Invert Level	Pipe Diameter	Manhole Size	Manhole Type	Manhole Cover
IC S4-01	E. 332829.804	85.70	84.40		1.300	100		Type 4 PPIC	B125
	N. 350618.747			84.35	1.350	150			
IC S5-01	E. 332876.100	86.25	85.25		1.100	100		Type 4 PPIC	B125
	N. 350662.474			85.20	1.050	150			
IC S5-02	E. 332865.447	86.25	84.91 84.86		1.440 1.390	100 150		Type 4 PPIC	B125
	N. 350629.860			84.86	1.390	150			
IC S5-03	E. 332866.800	86.05	85.35		0.800	100		Type 4 PPIC	A15
	N. 350659.692			85.30	0.750	150			
IC S5-04	E. 332859.992	86.04	84.99			150		Type 4 PPIC	B125
	N. 350657.407			84.99	1.050	150			
IC S5-05	E. 332854.328	86.05	85.35		0.800	100		Type 4 PPIC	A15
	N. 350653.017			85.30	0.750	150			
IC S5-06	E. 332852.849	86.05	85.35		0.800	100		Type 4 PPIC	A15
	N. 350648.489			85.30	0.750	150			
IC S5-07	E. 332850.648	86.05	85.35		0.800	100		Type 4 PPIC	A15
	N. 350641.462			85.30	0.750	150			
IC S5-08	E. 332849.176	86.20	85.35		0.850	100		Type 4 PPIC	A15
	N. 350642.682			85.30	0.900	150			
IC S5-09a	E. 332851.387	86.25	85.35		0.900	100		Type 4 PPIC	A15
	N. 350635.397			85.30	0.950	150			
IC S5-09	E. 332852.416	86.30	84.75 84.75		1.550 1.550	150 150		Type 3 PPIC	B125
	N. 350634.208			84.75	1.550	150			
IC S5-10	E. 332857.781	86.50	84.69 84.69		1.810 1.810	150 150		Type 3 PPIC	B125
	N. 350632.437			84.69	1.810	150			
IC S7-01	E. 332843.917	86.00	84.70		1.300	100		Type 4 PPIC	B125
	N. 350602.838			84.65	1.250	150			
IC S8-01	E. 332860.594	86.45	85.60		0.850	100		Type 4 PPIC	B125
	N. 350621.699			85.55	0.900	150			
IC S8-02	E. 332850.945	85.950	84.95 84.90		1.000 1.050	100 150		Type 4 PPIC	B125
	N. 350592.160			84.90	1.050	150			
IC S8-03	E. 332834.468	85.80	84.80		1.000	100		Type 4 PPIC	A15
	N. 350599.960			84.75	1.050	150			
IC S8-04	E. 332845.584	85.90	84.63		1.270	150		Type 4 PPIC	B125
	N. 350596.277			84.63	1.270	150			
IC S8-05	E. 332843.473	85.90	84.40		1.500	150		Type 4 PPIC	B125
	N. 350589.496			84.40	1.500	150			
IC S9-01	E. 332839.342	85.75	84.57 84.52		1.180 1.230	100 150		Type 4 PPIC	B125
	N. 350582.307			84.52	1.230	150			
IC S9-02	E. 332837.680	85.62	84.62 84.62		1.000 1.000	100 100		Type 4 PPIC	B125
	N. 350577.348			84.57	1.050	150			
IC S9-03	E. 332849.436	85.70	84.70 84.70		1.000	100		Type 4 PPIC	B125
	N. 350574.199			84.65	1.050	150			

NOTE
ALL MANHOLES TO BE CONSTRUCTED
IN ACCORDANCE WITH
SEWERS FOR ADOPTION 7TH EDITION

Foul Inspection Chamber Schedule (Adoptable)

Manhole Number	Coordinates	Cover Level	Pipe In	Pipe Out	Depth to Invert Level	Pipe Diameter	Manhole Size	Manhole Type	Manhole Cover
IC F1-01a	E. 332844.921	85.62			0.470			Type 4 PPIC	B125
	N. 350574.889			85.05					
IC F1-01	E. 332839.971	85.70	84.93 84.93		0.770	100 100		Type 4 PPIC	B125
	N. 350580.526			84.93					
IC F1-02	E. 332839.224	86.00	85.25		0.750	100		Type 4 PPIC	B125
	N. 350599.237			85.25					
IC F1-03	E. 332844.437	85.80	84.70		0.900	100		Type 3 PPIC	B125
	N. 350594.957			84.70					
IC F1-04	E. 332851.680	85.95	84.65		1.300	100		Type 3 PPIC	B125
	N. 350592.581			84.65					
IC F1-05	E. 332854.147	86.10	84.60 84.60		1.500 1.500	100 100		Type 3 PPIC	B125
	N. 350600.553			84.55	1.550	150			
IC F2-01	E. 332876.281	86.25			0.800			Type 4 PPIC	B125
	N. 350659.846			85.65					
IC F2-02	E. 332865.810	86.25	85.21		1.040	100		Type 4 PPIC	B125
	N. 350625.872			85.16	1.090	150			
IC F3-01	E. 332860.349	86.25			0.600			Type 4 PPIC	B125
	N. 350617.983			85.65					
IC F3-02	E. 332859.017	86.40	85.60		0.800	100		Type 4 PPIC	B125
	N. 350614.003			85.55					
IC F5-01	E. 332834.768	85.95			1.350			Type 4 PPIC	B125
	N. 350628.728			84.60					
IC F5-02	E. 332834.906	85.85			1.350			Type 4 PPIC	B125
	N. 350634.273			84.50					
IC F5-03	E. 332835.405	86.00			1.350			Type 4 PPIC	B125
	N. 350641.804			84.65					
IC F5-04	E. 332835.200	86.00			1.350			Type 4 PPIC	B125
	N. 350647.222			84.65					
IC F6-01	E. 332836.621	85.75			1.350			Type 4 PPIC	B125
	N. 350654.712			84.40					
IC F6-02	E. 332837.669	86.00			1.350			Type 4 PPIC	B125
	N. 350658.058			84.65					
IC F7-01	E. 332839.578	85.85			0.600			Type 4 PPIC	A15
	N. 350665.774			85.25					

NOTE
ALL MANHOLES TO BE CONSTRUCTED
IN ACCORDANCE WITH
SEWERS FOR ADOPTION 7TH EDITION

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.
- 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.

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

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.

APPROVAL

B	18.08.20	Updated to suit WW comments	LW	AJ
A	02.04.20	Updated to suit revised site levels	LW	AJ
Rev.	Date	Revision	By	Appd.



Tel: 01244 684910
Fax: 01244 684911
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Client	Castlemead Group Ltd.		
Project	JACQUES WAY, WREXHAM		
Title	Plot Drainage Manhole Schedules		
DRAWING NUMBER	7387 - 09	SCALE at A1	NTS
		DATE	DEC 19
		DRAWN	LW
		CHECKED	AJ
		REVISION	B