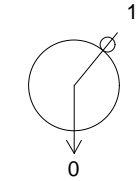
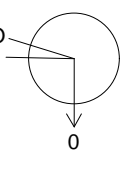
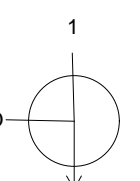
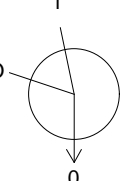
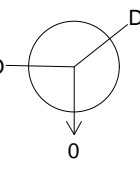
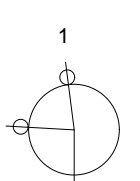
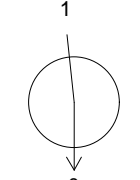
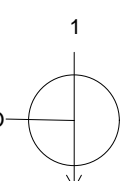
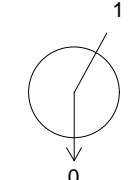
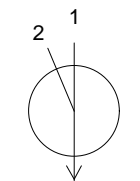
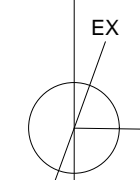


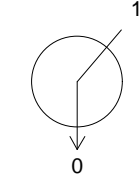
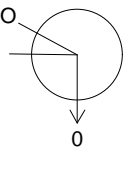
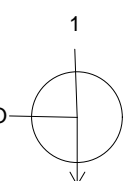
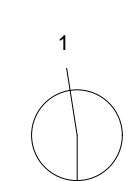
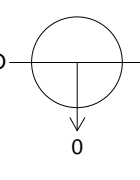
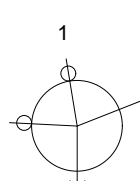
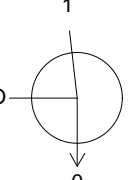
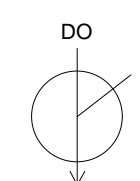
PHASE 1
MANHOLE SCHEDULE
Sheet 1 of 2

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
S9	122.661		1	1.004	121.556	300	2700	Type 2
	3.561		0	1.005	117.900	1200		
			1	1.005	117.854	1200		
S10	122.420		1	1.006	117.784	1200	2700	Type 2
	3.366		0	1.006	117.854	1200		
			1	1.007	117.784	300		
S11 HYDROBRAKE MH MAX DISCHARGE 6.40/s	120.565		1	1.008	116.516	300	1500	Type B (DCG)
	2.481		0	1.007	117.784	300		
			1	1.007	116.516	300		
S12	118.871		1	1.008	116.516	300	1500	Type B (DCG)
	2.055		0	1.008	116.516	300		
			1	1.008	116.516	300		
S13	119.507		1	1.008	115.618	300	2700	Type 2
	2.833		2	1.008	115.618	300		
			0	1.009	112.362	1200		
S14	117.695		1	1.009	112.303	1200	2700	Type 2
	4.133		0	1.010	112.303	1200		
			1	1.010	112.234	1200		
S15	116.332		1	1.011	112.206	1200	2700	Type 2 Shallow
	2.829		0	1.011	112.234	1200		
			1	1.011	112.206	1200		
S16	114.956		1	1.012	112.206	225	1500	Type 2 Shallow
	1.522		0	1.012	112.206	225		
			1	1.012	112.206	225		
S17 HYDROBRAKE MH MAX DISCHARGE 10.00/s	114.500		1	1.013	112.183	225	1500	Type 2 Shallow
	2.069		0	1.013	112.183	225		
			1	1.013	112.139	225		
C1 Non return Valve	114.176		1	1.013	112.139	225	1200	Type 2 Shallow
	1.768		0	1.013	112.139	225		
			1	1.013	112.139	225		
C2	113.957		1	1.013	112.139	225	1200	Type 2 Shallow
	1.593		0	1.013	112.139	225		
			1	1.013	112.139	225		

ALL COVER & INVERT LEVEL INFORMATION HAS BEEN TAKEN FROM AVAILABLE TOPOGRAPHICAL SURVEY DATA OR UNITED UTILITY RECORDS AND CCTV REPORT. EXISTING PUBLIC FOUL AND SURFACE WATER SEWERS ARE TO BE ABOVE GROUND PROBED, ROUTED AND INTERNALLY SURVEYED WITH ALL INFORMATION PASSED TO SITE INFRASTRUCTURE SERVICES LTD FOR REVIEW PRIOR TO COMMENCEMENT ON SITE

UNDER NO CIRCUMSTANCES SHALL ANY PROPOSED LEVELS BE AMENDED WITHOUT THE PRIOR CONSULTATION WITH SITE INFRASTRUCTURE SERVICES LTD

PHASE 1
MANHOLE SCHEDULE
Sheet 1 of 2

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
	Depth To Soffit		Code	Inverts	Diams		Manhole	Cover
F8	122.567		1	1.004	120.762	150	1200	Type B (DCG)
	1.655		0	1.005	120.762	150		
			1	1.005	120.364	150		
F9	122.338		1	1.006	118.497	150	1200	Type B (DCG)
	1.824		0	1.006	120.364	150		
			1	1.007	118.497	150		
F10	120.464		1	1.008	116.265	150	1200	Type B (DCG)
	1.817		0	1.008	116.265	150		
			1	1.009	115.348	150		
F11	119.067		1	1.010	114.571	150	1200	Type B (DCG)
	1.458		0	1.010	114.571	150		
			1	1.010	112.531	150		
F12	118.944		1	1.011	112.531	150	1200	Type B (DCG)
	1.500		0	1.011	112.531	150		
			1	1.011	112.531	150		
F13	117.866		1	1.012	112.531	150	1200	Type B (DCG)
	2.368		0	1.012	112.531	150		
			1	1.012	112.531	150		
F14	116.476		1	1.013	112.531	150	1200	Type B (DCG)
	1.755		0	1.013	112.531	150		
			1	1.013	112.531	150		
F15	114.471		1	1.014	112.531	150	1200	Type B (DCG)
	1.790		0	1.014	112.531	150		
			1	1.014	112.531	150		

- NOTE:**
- No dimensions are to be measured from this drawing.
 - All levels shown are in metres unless otherwise shown.
 - This drawing is to be read in conjunction with all relevant Architects, Planning and Infrastructure Design drawings.
 - The position and levels of all existing drains are to be confirmed on site prior to the commencement of the works and any discrepancies reported immediately to the engineer.
 - All private drainage is to be constructed in accordance with the latest edition of the Building Regulations Part H (Drainage & Waste Disposal) and to BS EN 752 (Building Drainage).
 - All adoptable drainage is to be in accordance with the requirements of Sewers for Adoption 6th Edition and the Sewerage Undertaker/Council.
 - All connections to existing public sewers are to be made to the satisfaction of the Sewerage Undertaker and the Local Authority.
 - Existing drains being abandoned are to be dealt with in the following manner:
 - Within 1.0m of proposed ground levels, drains are to be grubbed out.
 - Deeper than 1.0m of proposed ground levels drains are to be grouted with a 1:10 cement:sand mix.
 - Any existing gully connections being abandoned are to be sealed with a concrete plug not less than 300mm thick at a level of 1.0m below ground.
 - Concrete protection of pipework is to be provided as follows:-
 - All pipework within pedestrian / soft areas with a cover less than 600mm.
 - All pipework beneath areas subject to vehicular overrun with a cover less than 1.2m.
 - All pipework within manholes are to be laid soffit to soffit.
 - Any gradients of drains are indicative only and The Contractor shall install drains to the invert levels shown for each manhole.
 - Any co-ordinate information regarding manholes is to the centre of the manhole.
 - Cover levels of the manholes are provisional and subject to adjustment to suit the finished ground levels.
 - The use of short radius bends for changes in direction is not permitted, only long radius bends or 2 No. are to be used.
 - Connections to carrier drains are to be "Y" junctions.
 - Manhole covers and frames are to be in accordance with BS EN 124 and the following criteria:-

Vehicular areas : Class D400 double triangular 150mm (min) deep ductile iron cover & frame with three-point cover seating.
Pedestrian areas only : Class B125 double triangular 100mm (min) deep ductile iron cover & frame with three-point cover seating.
 - Heavy duty cover slabs are to be used with Class D400 frames.
 - Gully gratings and channel covers are to be in accordance with BS EN 124 as follows:
 - Areas subject to vehicular overrun: Class D400 minimum. Class F900 within service yard.
 - Areas not subject to vehicular overrun: Class C250
 - Gully gratings are to be double triangular ductile iron with a non-rock design and a 100mm deep frame.
 - Outside of sewers to be 1.0m (min) from kerb line.
 - Outside of manholes to be 0.5m (min) from kerb line.
 - All non-adoptable foul and surface water pipes to be 100 diameter unless noted otherwise.
 - Proposed 225mm diameter inspection chambers to be laid at a maximum depth of 600mm below GL.
 - Proposed 450mm diameter inspection chambers to be laid at a maximum depth of 3000mm below GL.
 - Installation of all pipework, manholes, gullies & channels etc are to be laid to manufacturers specification.

C	AMENDED TO NEW LAYOUT	13.05.22	CML
B	AMENDED TO UI COMMENTS DATED 17.02.22	18.02.22	CML
A	DISCHARGE RATES REVISED	26.01.22	CML
-	INITIAL ISSUE	06.01.22	CML
Rev	Amendments	Date	Drawn

Client



Project Title
Ivy Mills
CUMBRIA

Drawing Title		Scales	
PHASE 1 MANHOLE SCHEDULES		NTS @ A1	
Drawn	CML	Date	06.01.22
Ref	GHC-IM-C-15-01	Rev	C



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