Surface Water Manhole & Pipe Schedule

Manhole ID	Cover Level	Invert Level	Manhole Depth	Manhole Type	Cover Type	Comments	Connecting Route	Pipe Length	Fall	Gradient	Pipe Type
RE1	100.930	100.330	0.600	Rodding Eye	B125		RE1-S1	29.572	0.370	1 in 80	100mm PVC
RE2	100.890	100.290	0.600	Rodding Eye	B125		RE2-S6	29.789	1.214	1 in 25	100mm PVC
RE3	102.200	101.600	0.600	Rodding Eye	B125		RE3-S7	22.246	0.279	1 in 80	100mm PVC
RE4	102.200	101.600	0.600	Rodding Eye	B125		RE4-S11	21.231	0.266	1 in 80	100mm PVC
S1	100.930	99.960	0.970	450mm PPIC	B125		S1-S2	4.026	0.051	1 in 79	100mm PVC
S2	100.900	99.909	0.991	450mm PPIC	B125		S2-S3	17.721	0.222	1 in 80	100mm PVC
S3	100.735	99.687	1.048	450mm PPIC	B125		S3-S4	30.807	0.386	1 in 80	100mm PVC
S4	100.919	99.301	1.618	450mm PPIC	B125	Restricted access plate required	S4-S6	17.949	0.225	1 in 80	100mm PVC
S5	100.960	99.917	1.043	450mm PPIC	B125		S5-S6	11.794	0.841	1 in 14	100mm PVC
S6	100.795	99.076	1.719	600mm PPIC	B125	300mm deep sump acting as a catchpit	S6-Pond	15.663	0.552	1 in 28	150mm PVC
S7	102.200	101.321	0.879	450mm PPIC	B125		S7-S8	18.504	0.232	1 in 80	100mm PVC
S8	102.200	101.089	1.111	450mm PPIC	B125		S8-S10	17.909	1.035	1 in 17	100mm PVC
S9	101.020	100.270	0.750	450mm PPIC	D400		S9-S10	21.548	0.216	1 in 100	150mm PVC
S10	101.448	100.054	1.394	450mm PPIC	B125	Restricted access plate required	S10-S15	30.063	0.301	1 in 100	150mm PVC
S11	102.200	101.334	0.866	450mm PPIC	B125		S11-S12	20.371	0.255	1 in 80	100mm PVC
S12	102.200	101.079	1.121	450mm PPIC	B125		S12-S13	24.356	0.305	1 in 80	100mm PVC
S13	102.010	100.774	1.236	450mm PPIC	D400		S13-S16	26.916	0.272	1 in 99	150mm PVC
S14	102.823	101.973	0.850	450mm PPIC	D400		S14-S44	26.613	0.443	1 in 60	150mm PVC
S15	101.673	99.753	1.920	600mm PPIC	B125		S15-S18	15.350	0.154	1 in 100	150mm PVC
S16	101.820	100.502	1.318	450mm PPIC	B125	Restricted access plate required	S16-S15	12.867	0.749	1 in 17	150mm PVC
S17	101.380	100.730	0.650	450mm PPIC	B125		S17-S18	21.523	1.131	1 in 19	150mm PVC
S18	101.094	99.599	1.495	600mm PPIC	B125		S18-S19	12.137	0.121	1 in 100	150mm PVC
S19	101.000	99.478	1.522	600mm PPIC	B125	300mm deep sump acting as a catchpit	S19-Pond	16.659	0.954	1 in 17	150mm PVC
S20	100.487	99.587	0.900	450mm PPIC	D400		S20-S21	23.838	0.239	1 in 100	150mm PVC
S21	100.188	99.348	0.840	450mm PPIC	D400		S21-S33	22.351	0.697	1 in 32	150mm PVC
S22	100.170	99.270	0.900	450mm PPIC	D400		S22-S25	21.401	0.504	1 in 42	150mm PVC
S23	99.920	99.020	0.900	450mm PPIC	D400		S23-S24	21.228	0.142	1 in 149	150mm PVC
S24	99.889	98.878	1.011	450mm PPIC	D400		S24-S25	16.718	0.112	1 in 149	150mm PVC
S25	100.059	98.766	1.293	450mm PPIC	D400		S25-S33	17.122	0.115	1 in 149	150mm PVC
S26	101.265	100.365	0.900	450mm PPIC	D400		S26-S27	25.762	0.336	1 in 77	150mm PVC
S27	100.929	100.029	0.900	450mm PPIC	D400		S27-S28	24.113	0.337	1 in 72	150mm PVC
S28	100.592	99.692	0.900	450mm PPIC	D400		S28-S31	16.738	0.168	1 in 100	150mm PVC
S29	101.430	100.530	0.900	450mm PPIC	D400		S29-S30	26.004	0.335	1 in 78	150mm PVC
S30	101.095	100.195	0.900	450mm PPIC	D400		S30-S31	23.872	0.671	1 in 36	150mm PVC
S31	100.781	99.524	1.257	450mm PPIC	D400		S31-S32	16.900	0.169	1 in 100	150mm PVC
S32	100.972	99.355	1.617	600mm PPIC	D400		S32-S33	26.718	0.704	1 in 38	150mm PVC
S33	100.200	98.651	1.549	600mm PPIC	D400	300mm deep sump acting as a catchpit	S33-Pond	19.006	0.127	1 in 150	150mm PVC
S34	101.590	98.322	3.268	1200mm PCC	B125		S34-S35 FCC	29.963	0.177	1 in 169	225mm PVC
S35 FCC	101.550	98.145	3.405	1200mm PCC	B125		S35 FCC-S36	29.966	0.177	1 in 169	225mm PVC
S36	99.000	97.968	1.032	1200mm PCC	B125		S36-Ditch	29.748	0.993	1 in 30	150mm PVC
S37	101.824	100.924	0.900	450mm PPIC	D400		S37-S38	29.390	0.889	1 in 33	150mm PVC
S38	100.935	100.035	0.900	450mm PPIC	D400		S38-S38	29.390	0.294	1 in 100	150mm PVC
S39	100.740	99.741	0.999	450mm PPIC	D400		S39-S38	29.390	0.294	1 in 100	150mm PVC
S40	100.849	99.447	1.402	450mm PPIC	D400	Restricted access plate required	S40-S38	29.390	0.294	1 in 100	150mm PVC
S41	101.190	99.153	2.037	450mm PPIC	D400	Restricted access plate required	S41-S42	29.639	0.297	1 in 100	150mm PVC
S42	101.500	98.856	2.644	450mm PPIC	B125	Restricted access plate required	S42-S43	22.626	0.227	1 in 100	150mm PVC
S43	101.000	98.629	2.371	450mm PPIC	B125	300mm deep sump acting as a catchpit	S43-S35 FCC	20.047	0.484	1 in 41	150mm PVC
S44	102.180	101.530	0.650	450mm PPIC	B125		S44-S15	11.379	1.777	1 in 6	150mm PVC
S45	101.000	98.453	2.547	900mm PPIC	B125		S45-S34	22.116	0.131	1 in 169	225mm PVC
Pond	100.500	98.524	1.976				Pond-S45	12.013	0.071	1 in 169	225mm PVC
Ditch	97.680	96.975	0.705				Ditch-S38				

SAFETY,HEALTH & ENVIRONMENTAL HAZARD INFORMATION BOX.

The hazards noted below are in addition to the normal hazards and risks faced by a competent contractor when dealing with the types of works detailed on this drawing.

CONSTRUCTION RISKS:
- Deep Trenches
- Unforeseen Services
- Leptospirosis

DEMOLITION RISKS:
- Leptospirosis

Notes:

1. DO NOT SCALE FROM THIS DRAWING.
2. All dimensions are in millimetres Unless Noted Otherwise (u.n.o.)
3. Drawing is to be read in conjunction with all relevant architect's drawings. Any Inconsistencies should be reported to PRP immediately.
4. All levels and dimensions are to be checked on site before any work commences.
5. The Health and Safety at Work act is to be complied with at all times. Attention is drawn to the wearing of hard hats, reflectorised clothing, and the use of any other required safety equipment.

Drainage:

1. Invert levels of existing manholes to be checked on site prior to commencing any drainage works.
2. For positions of all rainwater pipes & foul outlets refer to Architect's drawings.
3. All joints between precast manhole components shall have a minimum uncompressed thickness of 10mm of proprietary bitumen or resin mastic sealant.
4. Storm & foul branch connections are to be laid at gradients of between 1:10 & 1:80
5. All in-situ concrete shall be minimum grade GEN3.
6. Precast concrete cover & reducing slabs to be heavy duty reinforced concrete to BS 5911.
7. Manhole covers & frames shall be manufactured in cast iron or ductile iron & shall comply with requirements of BS EN 124 & shall be kite marked or equivalent.
8. Where there is no intermediate manhole between the start of a surface water pipe run and the soakaway the gradient of the run shall be not less than 1 : 60.
9. All completed work shall be suitably protected from damage by construction work. Damaged drainage will not be accepted. It is recommended that no heavy loading or underground work is permitted above or near unprotected drainage, and that dumpers, trucks, fork lifts or other heavy vehicles are not driven along or near pipe runs.

Rev	Date	Description	By / Chk
P1	27/07/2023	Issued for comments	NN / DE

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Client:
Statue Homes Ltd.

Architect:
Hickman & Smith Architects

Project:
Kyng's Golf & Country Club
Station Road, Nuneaton
CV13 0NP

Title:
Manhole & Pipe Schedule

Status:
PRELIMINARY

Engineer:	NN	Date:	March 2023
Drawn:	NN	Scales @ A1:	N/A
Checked:	DE		
Project No:	82659	Drg No: 103	Rev: P1

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