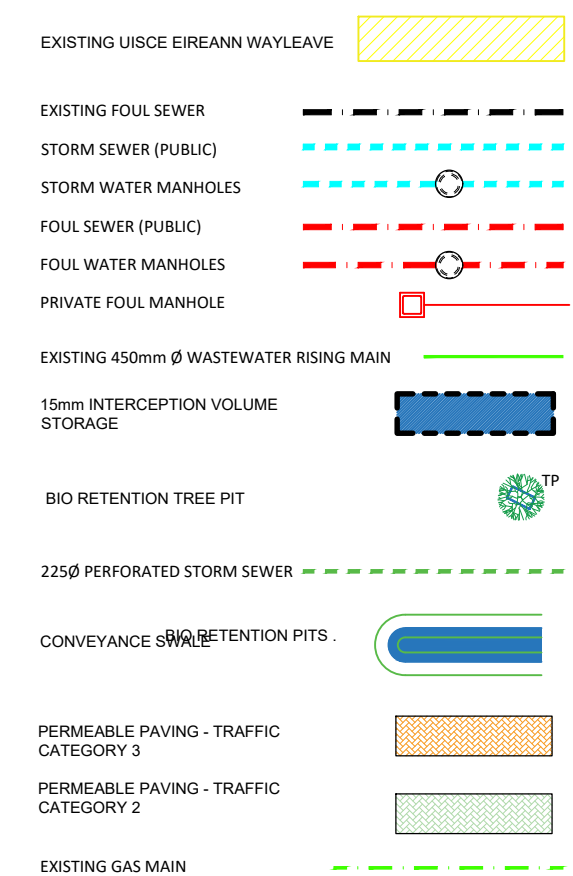


HYDROBRAKE MANHOLE DETAILS					
REF.	Sa10	Sa7	Sa7	Sa5	Sa9
Volume (m³)	3.1	1.7	1.7	5.8	2.6
Unit reference	MD-SHE-0045	MD-SHE-0044	MD-SHE-0041	MD-SHE-0035	MD-SHE-0045
Design Head (m)	0.500	0.790	0.790	1.103	0.724
Design flow (l/s)	0.7	0.8	0.8	0.8	0.8
Diameter (mm)	45	44	41	35	45
Invert level (m)	53.248	53.814	53.655	54.062	54.033
Minimum outlet pipe Diameter, (mm) = 75 - Suggested Manhole Diameter (mm) = 1200					
Flush-Flo™ Calculated - Objective Minimise upstream storage - Application Surface - Sump Available Yes					

FOR PLANNING



DRAINAGE LAYOUT
Scale 1:500

- General Notes
- Do not scale from this drawing. Refer to ArchGects drawings for all works levels and setting out.
 - This drawing is to be read in conjunction with all other Engineer's and ArchGect's drawings and specifications. Where discrepancies are observed please notify CHC for clarification.
 - Contractor to check all levels (existing and proposed), setting out and dimensions on sRGe prior to commencement of the works and advise the consultants of any discrepancies.
 - All works to be constructed in accordance with RGH current building control legislation, local authority requirements and good building practice.
 - All Insulation, weathering materials (dpc, dpm, flashings etc), radon barriers and sumps and all sub-floor ducting all to ArchGect's details.
 - Location of all service pop-ups to be confirmed and set out by the ArchGect.
 - Refer to ArchGect's drawings and specifications for fire strategy and all fire protection requirements appropriate.
 - All materials and products specified must carry CE marking and Declarations of Performance as appropriate.
 - Contractor shall note the recommendations of the sRGe investigation report in respect of all excavation depths, ground water levels and identification of required adequate bearing strata. All foundation formation soft spots or disturbed ground not covered in SI report to be recorded and notified to the Engineer.

Manhole Name	Cover Level (m)	Pipe Out Invert Level (m)	Pipes In Invert Level (m)	Pipes In Backdrop (mm)
F1	55.295	53.586	52.777	
F2	54.765	52.777	52.777	
F3	54.845	52.697	52.697	
F4	55.689	54.031		
F5	55.705	53.867		
F6	55.689	53.370	53.370	
F7	55.384	52.998	53.073	
F8	55.178	52.293	52.293	
F9	55.711	54.273		
F10	55.792	53.752	53.752	
F11	55.837	53.263	53.338	
F12	55.229	52.026	52.026	
F13	55.662	54.240		
F14	56.040	54.615		
F15	55.947	54.380	54.380	
F16	55.928	53.539		
F17	55.619	53.252	53.257	
F18	55.592	54.039	53.134	
F19	55.828	53.648	53.648	
F20	55.914	54.189		
F21	56.067	54.133		
F22	55.902	54.026		
F23	56.175	53.869	53.869	
F24	55.807	53.466	53.466	
F25	55.626	53.059	53.059	
F26	55.595	51.770	51.770	
F27	55.980	53.017	53.017	
F28	55.980	53.017	53.017	
F29	55.980	53.017	53.017	
F30	55.980	53.017	53.017	
F31	55.980	53.017	53.017	
F32	55.980	53.017	53.017	
F33	55.980	53.017	53.017	
F34	55.980	53.017	53.017	
F35	55.980	53.017	53.017	
F36	55.980	53.017	53.017	
F37	55.980	53.017	53.017	
F38	55.980	53.017	53.017	
F39	55.980	53.017	53.017	
F40	55.980	53.017	53.017	
F41	55.980	53.017	53.017	
F42	55.980	53.017	53.017	
F43	55.980	53.017	53.017	
F44	55.980	53.017	53.017	
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F49	55.980	53.017	53.017	
F50	55.980	53.017	53.017	
F51	55.980	53.017	53.017	
F52	55.980	53.017	53.017	
F53	55.980	53.017	53.017	
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