

PROPOSED STORM NETWORK 1 - MANHOLE SCHEDULE

MH #	CL (m)	Depth to Invert (m)	MH Dia.	Pipe Out					Pipe In				MH Type	Cover Type/ Grade / Size	Pipe surround Type	Notes	
				Pipe #	IL (m)	Ø (mm)	L (m)	Grad (1:x)	Pipe #	IL (m)	Ø (mm)	B.drop (mm)					
1-1/01	75.736	1.350	1200	1.000	74.386	150	55.899	102.9					Type A	D400/675x675mm	Class T		
1-1/02	75.750	1.982	1200	1.001	73.768	225	30.175	74.9		1.000	73.843	150	Type A	D400/675x675mm	Class T		
1-2/01	75.500	1.350	1200	2.000	74.150	225	51.511	103					Type A	D400/675x675mm/Recessed	Class T		
1-2/02	75.500	1.925	1200	2.001	73.575	225	87.382	137.2		2.000	73.650	225	Type A	D400/675x675mm/Recessed	Class T		
1-3/01	75.500	1.425	1200	3.000	74.075	300	84.381	149.9					Type A	D400/675x675mm/Recessed	Class T		
1-3/02	75.500	1.988	1200	3.001	73.512	300	53.312	150.2		3.000	73.512	300	Type A	D400/675x675mm/Recessed	Class T		
1-3/03	75.475	2.318	1200	3.002	73.157	300	44.032	149.8		3.001	73.157	300	Type A	D400/675x675mm/Recessed	Class T		
1-2/03	75.500	2.712	1350	2.002	72.788	375	14.415	150.2		2.001	72.938	225	Type A	D400/675x675mm/Recessed	Class T		
										3.002	72.863	300					
1-2/04	75.500	2.808	1350	2.003	72.692	375	26.678	149.9		2.002	72.692	375	Type A	D400/675x675mm	Class T		
1-1/03	74.790	2.276	1350	1.002	72.514	375	35.038	149.7		1.001	73.365	225	Type A	D400/675x675mm	Class T		
										2.003	72.514	375					
1-1/04	73.924	1.644	1350	1.003	72.280	375	24.148	22.5		1.002	72.280	375	Type A	D400/675x675mm	Class T		
1-4/01	75.581	1.500	1200	4.000	74.081	300	48	101.5					Type A	D400/675x675mm	Class T		
1-4/02	75.108	1.500	1200	4.001	73.608	300	55.632	23.9		4.000	73.608	300	Type A	D400/675x675mm	Class T		
Attenuation Tank (Polystorm Extra (PSM3) or Similar Approved) - Tank Depth 1.05m (5 layers of 0.21m creates) - Minimum Tank Volume of 475m3													Impermeable Membrane required around tank including all granular fill surround to specification required by the supplier				
1-1/05	72.783	1.575	1350	1.004	71.208	375	21.464	21.2		1.003	71.208	375	Type A	D400/675x675mm	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0359-8000-1000-8000 (Hydro International) Design flow Q - 80l/s. Design head - 1.0m	
										4.001	71.283	300					
1-1/06	71.771	1.650	1350	1.005	70.121	375	21.358	29.7		1.004	70.196	375	Type A	D400/675x675mm	Class T		
1-1/07	71.052	1.725	1350	1.006	69.327	450	6.629	150.7		1.005	69.402	375	Type A	D400/675x675mm	Class T		
1-5/01	71.009	1.350	1200	5.000	69.659	150	37.474	103					Type A	D400/675x675mm	Class T		
1-5/02	71.026	1.806	1200	5.001	69.220	225	37.527	150.1		5.000	69.295	150	Type A	D400/675x675mm	Class T		
1-5/03	71.055	2.085	1200	5.002	68.970	225	29.684	149.9		5.001	68.970	225	Type A	D400/675x675mm	Class T		
1-5/04	71.025	2.253	1200	5.003	68.772	225	29.327	149.6		5.002	68.772	225	Type A	D400/675x675mm	Class T		
1-1/08	71.035	2.759	1500	1.007	68.276	525	29.032	149.6		1.006	69.283	450	Type A	D400/675x675mm	Class T		
										5.003	68.576	225					
1-1/09	70.920	2.838	1500	1.008	68.082	525	29.979	149.9		1.007	68.082	525	Type A	D400/675x675mm	Class T		
1-1/10	70.992	3.110	1500	1.009	67.882	525	5.748	151.3		1.008	67.882	525	Type A	D400/675x675mm/Recessed	Class T		
1-1/11	70.897	3.053	1500	1.010	67.844	525	38.132	150.1		1.009	67.844	525	Type B	D400/675x675mm/Recessed	Class T		
1-1/12	70.611	3.021	1500	1.011	67.590	525	19.446	149.6		1.010	67.590	525	Type B	D400/675x675mm/Recessed	Class T		
1-6/01	71.000	1.425	1200	6.000	69.575	300	37.116	150.3					Type A	D400/675x675mm	Class T		
1-6/02	71.000	1.747	1200	6.001	69.253	300	37.117	150.3		6.000	69.328	300	Type A	D400/675x675mm	Class T		
1-6/03	71.000	1.994	1200	6.002	69.006	300	6.3	150		6.001	69.006	300	Type A	D400/675x675mm	Class T		
1-6/04	71.000	2.111	1350	6.003	68.889	375	29.971	149.9		6.002	68.964	300	Type A	D400/675x675mm	Class T		
1-6/05	71.000	2.311	1350	6.004	68.689	375	19.972	150.2		6.003	68.689	375	Type A	D400/675x675mm	Class T		
Rainwater Harvesting Tank - Refer to M&E details / specifications. To be detailed upon scheme development																	
1-6/06	71.000	2.444	1350	6.005	68.556	375	24.665	150.4		6.004	68.556	375	Type A	D400/675x675mm	Class T		
1-6/07	71.000	2.608	1350	6.006	68.392	375	5.721	150.6		6.005	68.392	375	Type A	D400/675x675mm	Class T		
1-6/08	71.000	2.646	1350	6.007	68.354	375	11.904	150.7		6.006	68.354	375	Type A	D400/675x675mm	Class T		
1-6/09	70.971	2.696	1350	6.008	68.275	375	26.071	149.8		6.007	68.275	375	Type A	D400/675x675mm	Class T		
1-6/10	70.961	2.860	1350	6.009	68.101	375	26.072	149.8		6.008	68.101	375	Type A	D400/675x675mm	Class T		
1-7/01	71.000	1.425	1200	7.000	69.575	225	18.858	149.7					Type A	D400/675x675mm/Recessed	Class T		
1-6/11	70.948	3.021	1350	6.010	67.927	375	20.606	65		6.009	67.927	375	Type B	D400/675x675mm/Recessed	Class T		
										7.000	69.449	225					
1-1/13	70.669	3.284	1500	1.012	67.385	600	5.035	148.1		1.011	67.460	525	Type B	D400/675x675mm/Recessed	Class T		
										6.010	67.610	375					
1-8/01	71.180	1.350	1200	8.000	69.830	150	31.472	102.8					Type A	D400/675x675mm	Class T		
1-8/02	70.956	1.507	1200	8.001	69.449	225	43.103	150.2		8.000	69.524	150	Type A	D400/675x675mm	Class T		
1-8/03	70.825	1.663	1200	8.002	69.162	225	27.464	150		8.001	69.162	225	Type A	D400/675x675mm	Class T		
Attenuation Tank (Polystorm Extra (PSM3) or Similar Approved) - Tank Depth 1.05m (5 layers of 0.21m creates) - Minimum Tank Volume of 430m3													Permeable Membrane / Geotextile required around tank including all granular fill surround to specification required by the supplier				
1-1/14	70.407	3.056	1500	1.013	67.351	600	11.942	149.3		1.012	67.351	600	Type B	D400/675x675mm/Recessed	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0359-1000-1000-1000 (Hydro International) Design flow Q - 100l/s. Design head - 1.0m	
										8.002	68.979	225					
1-9/01	71.981	1.500	1350	9.000	70.481	375	67.508	100					Type A	D400/675x675mm	Class T		

NOTES

- This drawing should be read in conjunction with Proposed Drainage Layout Drawings
- Invert levels of catchpit chambers shown denote invert levels of the lowest pipe and do not include for catchpit sump depth.
- Proposed cover levels and manhole depths indicated are indicative only and subject to change following design development.
- All cover levels to be taken from proposed levels drawing if discrepancies occur.

Rev	Issue Date	Description	Issued By
-----	------------	-------------	-----------

Project Status:

PLANNING

Client
Cavan County Council

Project
Cavan Regional Sports Campus

Drawing
Proposed Storm Manhole Schedule
Sheet 1 of 5

File Ref:

Scale: NTS

 <p>McAdam ENHANCING LOCAL COMMUNITIES</p>	1c Montgomery House, 478 Castlereagh Road, Belfast, BT5 6BQ T: 028 9040 2000 admin@mcadamdesign.co.uk www.mcadamdesign.co.uk
	McAdam Design Project Number: A2156


Drawn	JS	Checked	PA	Approved	PA
Date	27/02/2024	Date	27/02/2024	Date	27/02/2024

Drawing No.	CRSP-MCA-00-00-DR-C-2200	Status	-	Rev.	P1
-------------	--------------------------	--------	---	------	----

All dimensions are in millimetres. Figured dimensions to be taken in preference to scale dimensions. Dimensions to be checked onsite. © 2021 McAdam Design Ltd.

1-1/14	70.407	3.056	1500	1.013	67.351	600	11.942	149.3	1.012	67.351	600		Type B	D400/675x675mm/Recessed	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0359-1000-1000-1000 (Hydro International) Design flow Q - 100l/s. Design head - 1.0m
									8.002	68.979	225	1253				
1-9/01	71.981	1.500	1350	9.000	70.481	375	67.508	100					Type A	D400/675x675mm	Class T	
1-9/02	71.306	1.575	1350	9.001	69.731	375	66.07	64	9.000	69.806	375	75	Type A	D400/675x675mm	Class T	
1-9/03	70.274	1.575	1350	9.002	68.699	375	4.258	15.9	9.001	68.699	375		Type A	D400/675x675mm	Class T	
1-1/15	70.006	2.735	1500	1.014	67.271	600	29.652	62.3	1.013	67.271	600		Type A	D400/675x675mm/Recessed	Class T	
									9.002	68.431	375	935				
1-1/16	68.595	1.800	1500	1.015	66.795	600	56.811	20.8	1.014	66.795	600		Type A	D400/675x675mm/Recessed		
1-1/17	65.868	1.800	1500	1.016	64.068	600	18.481	6.8	1.015	64.068	600		Type A	D400/675x675mm	Class T	
1-1/18	63.000	1.875	1800	1.017	61.125	900	34.921	301	1.016	61.350	600		Type A	D400/675x675mm	Class T	
1-10/01	65.784	1.350	1200	10.000	64.434	225	30.005	103.1					Type A	D400/675x675mm	Class T	
1-10/02	65.793	1.725	1200	10.001	64.068	225	55.355	150	10.000	64.143	225	75	Type A	D400/675x675mm	Class T	
1-10/03	65.880	2.181	1200	10.002	63.699	225	13.756	149.5	10.001	63.699	225		Type A	D400/675x675mm	Class T	
1-10/04	65.677	2.070	1200	10.003	63.607	225	19.047	150	10.002	63.607	225		Type A	D400/675x675mm	Class T	
1-11/01	65.723	1.425	1200	11.000	64.298	225	39.165	98.9					Type A	D400/675x675mm	Class T	
1-10/05	65.327	1.847	1200	10.004	63.480	225	16	149.5	10.003	63.480	225		Type A	D400/675x675mm	Class T	
									11.000	63.902	225	422				
1-12/01	68.572	1.350	1200	12.000	67.222	150	15.717	102.7					Type A	D400/675x675mm	Class T	
1-12/02	68.465	1.471	1200	12.001	66.994	225	6.253	148.9	12.000	67.069	150		Type A	D400/675x675mm	Class T	
1-12/03	68.535	1.583	1200	12.002	66.952	225	10.221	150.3	12.001	66.952	225		Type A	D400/675x675mm	Class T	
1-12/04	68.435	1.551	1200	12.003	66.884	225	13.656	89.8	12.002	66.884	225		Type A	D400/675x675mm	Class T	
1-12/05	68.157	1.425	1200	12.004	66.732	225	29.705	150	12.003	66.732	225		Type A	D400/675x675mm	Class T	
1-12/06	68.414	1.880	1200	12.005	66.534	225	13.626	149.7	12.004	66.534	225		Type A	D400/675x675mm	Class T	
1-12/07	68.220	1.777	1200	12.006	66.443	225	12.951	150.6	12.005	66.443	225		Type A	D400/675x675mm	Class T	
1-12/08	67.818	1.461	1200	12.007	66.357	225	36.971	39.7	12.006	66.357	225		Type A	D400/675x675mm	Class T	
1-12/09	66.851	1.425	1200	12.008	65.426	225	36.971	40.4	12.007	65.426	225		Type A	D400/675x675mm	Class T	
1-12/10	65.936	1.425	1200	12.009	64.511	225	35.175	57.4	12.008	64.511	225		Type A	D400/675x675mm	Class T	
1-12/11	65.323	1.500	1350	12.010	63.823	375	39.164	87	12.009	63.898	225		Type A	D400/675x675mm	Class T	
1-10/06	64.927	1.629	1350	10.005	63.298	300	16	59	10.004	63.373	225		Type A	D400/675x675mm	Class T	
									12.010	63.373	375	150				
1-13/01	64.922	1.350	1200	13.000	63.572	225	39.154	99.1					Type A	D400/675x675mm	Class T	
1-10/07	64.527	1.500	1200	10.006	63.027	300	16	40	10.005	63.027	300		Type A	D400/675x675mm	Class T	
									13.000	63.177	225	75				
1-14/01	64.523	1.350	1200	14.000	63.173	150	39.165	98.9					Type A	D400/675x675mm	Class T	
1-10/08	64.127	1.575	1350	10.007	62.552	375	5.738	108.3	10.006	62.627	300		Type A	D400/675x675mm	Class T	
									14.000	62.777	150					
Klargester Class 1 Bypass Separator NSBE020 with alarm (or similar approved). Allowance in invert levels for 100mm drop across tank																
1-10/09	64.074	1.575	1350	10.008	62.499	375	50.783	103	10.007	62.499	375		Type A	D400/675x675mm	Class T	
Attenuation Tank (Polystorm Extra (PSM3) or Similar Approved) - Tank Depth 1.05m (5 layers of 0.21m creates) - Minimum Tank Volume of 1140m3													Permeable Membrane / Geotextile required around tank including all granular fill surround to specification required by the supplier			
1-1/19	63.000	1.991	1800	1.018	61.009	900	15.679	103.2	1.017	61.009	900		Type A	D400/675x675mm	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0441-1300-1000-1300 (Hydro International) Design flow Q - 130l/s. Design head - 1.0m
									10.008	62.006	375	472				
HW01	63.000	2.143		Discharge to watercourse					1.018	60.857	900	Headwall discharge to watercourse				

- NOTES**
- This drawing should be read in conjunction with Proposed Drainage Layout Drawings
 - Invert levels of catchpit chambers shown denote invert levels of the lowest pipe and do not include for catchpit sump depth.
 - Proposed cover levels and manhole depths indicated are indicative only and subject to change following design development.
 - All cover levels to be taken from proposed levels drawing if discrepancies occur.

Rev	Issue Date	Description	Issued By
Project Status:			
PLANNING			
Client Cavan County Council			
Project Cavan Regional Sports Campus			
Drawing Proposed Storm Manhole Schedule Sheet 2 of 5			
File Ref:			
Scale: NTS			
			1c Montgomery House, 478 Castlereagh Road, Belfast, BT5 6BQ T: 028 9040 2000 admin@mcadamdesign.co.uk www.mcadamdesign.co.uk
McAdam Design Project Number: A2156			
Drawn Date	JS 27/02/2024	Checked Date	PA 27/02/2024
Approved Date		PA 27/02/2024	
Drawing No. CRSP-MCA-00-00-DR-C-2201			Status -
			Rev. P1
All dimensions are in millimetres. Figured dimensions to be taken in preference to scale dimensions. Dimensions to be checked onsite. © 2021 McAdam Design Ltd.			

PROPOSED STORM NETWORK 2 - MANHOLE SCHEDULE																	
MH #	CL (m)	Depth to Invert (m)	MH Dia.	Pipe Out					Pipe In				MH Type	Cover Type/ Grade / Size	Pipe surround Type	Notes	
				Pipe #	IL (m)	Ø (mm)	L (m)	Grad (1:x)	Pipe #	IL (m)	Ø (mm)	B.drop (mm)					
2-1/01	67.418	1.350	1200	1.000	66.068	225	20.478	20					Type A	D400/675x675mm	Class T		
2-1/02	66.906	1.862	1200	1.001	65.044	225	16.602	100	1.000	65.044	225		Type A	D400/675x675mm	Class T		
2-2/01	67.252	1.350	1200	2.000	65.902	225	20.479	20					Type A	D400/675x675mm	Class T		
2-1/03	66.740	1.937	1200	1.002	64.803	225	15.713	53.4	1.001	64.878	225	75	Type A	D400/675x675mm	Class T		
									2.000	64.878	225	75					
2-3/01	67.095	1.350	1200	3.000	65.745	225	20.479	40					Type A	D400/675x675mm	Class T		
2-1/04	66.583	2.074	1200	1.003	64.509	225	16.552	150.5	1.002	64.509	225		Type A	D400/675x675mm	Class T		
									3.000	65.233	225	724					
2-4/01	66.929	1.350	1200	4.000	65.579	225	20.479	40					Type A	D400/675x675mm	Class T		
2-1/05	66.417	2.093	1200	1.004	64.324	300	16.772	149.8	1.003	64.399	225		Type A	D400/675x675mm	Class T		
									4.000	65.067	225	668					
2-5/01	66.584	1.350	1200	5.000	65.234	225	13.385	40.1					Type A	D400/675x675mm	Class T		
2-1/06	66.250	2.038	1200	1.005	64.212	300	15.921	150.2	1.004	64.212	300		Type A	D400/675x675mm	Class T		
									5.000	64.900	225	613					
2-6/01	66.425	1.350	1200	6.000	65.075	225	13.441	40					Type A	D400/675x675mm	Class T		
2-1/07	66.089	1.983	1200	1.006	64.106	300	11.914	150.8	1.005	64.106	300		Type A	D400/675x675mm	Class T		
									6.000	64.739	225	558					
2-1/08	65.768	1.741	1200	1.007	64.027	300	6.647	151.1	1.006	64.027	300		Type A	D400/675x675mm	Class T		
Klargester Class 1 Bypass Separator NSBE010 with alarm (or similar approved). Allowance in invert levels for 100mm drop across tank																	
2-1/09	65.599	1.616	1200	1.008	63.983	300	5.278	150.8	1.007	63.983	300		Type A	D400/675x675mm	Class T		
Attenuation Tank (Polystorm (PSM1) or Similar Approved) - Tank Depth 0.8m (2 layers of 0.4m creates) - Minimum Tank Volume of 152m3													Permeable Membrane / Geotextile required around tank including all granular fill surround to specification required by the supplier				
2-1/10	65.465	1.517	1200	1.009	63.948	300	14.386	12	1.008	63.948	300		Type A	D400/675x675mm	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0146-1000-1000-1000 (Hydro International) Design flow Q - 10l/s. Design head - 1.0m	
HW02	63.500	0.752	0	Discharge to watercourse					1.009	62.748	300	Headwall discharge to watercourse					

NOTES

- This drawing should be read in conjunction with Proposed Drainage Layout Drawings
- Invert levels of catchpit chambers shown denote invert levels of the lowest pipe and do not include for catchpit sump depth.
- Proposed cover levels and manhole depths indicated are indicative only and subject to change following design development.
- All cover levels to be taken from proposed levels drawing if discrepancies occur.

PROPOSED STORM NETWORK 3 - MANHOLE SCHEDULE																	
MH #	CL (m)	Depth to Invert (m)	MH Dia.	Pipe Out					Pipe In				MH Type	Cover Type/ Grade / Size	Pipe surround Type	Notes	
				Pipe #	IL (m)	Ø (mm)	L (m)	Grad (1:x)	Pipe #	IL (m)	Ø (mm)	B.drop (mm)					
3-1/01	76.754	1.350	1200	1.000	75.404	150	25.589	32.3					Type A	D400/675x675mm	Class T		
3-1/02	75.961	1.350	1200	1.001	74.611	150	30.505	21.3	1.000	74.611	150		Type A	D400/675x675mm	Class T		
3-1/03	74.528	1.425	1200	1.002	73.103	225	25.82	19.5	1.001	73.178	150		Type A	D400/675x675mm	Class T		
3-2/01	74.929	1.350	1200	2.000	73.579	225	19.838	26					Type A	D400/675x675mm	Class T		
3-2/02	74.165	1.350	1200	2.001	72.815	225	29.496	28.5	2.000	72.815	225		Type A	D400/675x675mm	Class T		
3-1/04	73.206	1.425	1200	1.003	71.781	225	33.972	18.7	1.002	71.781	225		Type A	D400/675x675mm	Class T		
									2.001	71.781	225						
3-3/01	72.806	1.350	1200	3.000	71.456	225	29.168	20.6					Type A	D400/675x675mm	Class T		
3-1/05	71.389	1.500	1200	1.004	69.889	300	37.617	12.6	1.003	69.964	225		Type A	D400/675x675mm	Class T		
									3.000	70.039	225	75					
3-1/06	68.413	1.500	1200	1.005	66.913	300	30.928	17.8	1.004	66.913	300		Type A	D400/675x675mm	Class T		
3-1/07	66.680	1.500	1200	1.006	65.180	300	13.306	26.7	1.005	65.180	300		Type A	D400/675x675mm	Class T		
3-1/08	66.182	1.500	1200	1.007	64.682	300	23.91	30.7	1.006	64.682	300		Type A	D400/675x675mm	Class T		
Klargester Class 1 Bypass Separator NSBE015 with alarm (or similar approved). Allowance in invert levels for 100mm drop across tank																	
Attenuation Tank (Polystorm Extra (PSM3) or Similar Approved) - Tank Depth 0.84m (4 layers of 0.21m creates) - Minimum Tank Volume of 168m3													Permeable Membrane / Geotextile required around tank including all granular fill surround to specification required by the supplier				
3-1/09	65.403	1.500	1200	1.008	63.903	300	12.816	6.4	1.007	63.903	300		Type A	D400/675x675mm	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0199-2000-1000-2000 (Hydro International) Design flow Q - 20l/s. Design head - 1.0m	
HW3	63.390	1.500	0	Discharge to watercourse					1.008	61.890	300	Headwall discharge to watercourse					

Rev	Issue Date	Description	Issued By
-----	------------	-------------	-----------

Project Status: **PLANNING**

Client: Cavan County Council

Project: Cavan Regional Sports Campus

Drawing: Proposed Storm Manhole Schedule Sheet 3 of 5

File Ref:

Scale: NTS



1c Montgomery House,
478 Castlereagh Road,
Belfast, BT5 6BQ
T: 028 9040 2000
admin@mcadamdesign.co.uk
www.mcadamdesign.co.uk

McAdam Design Project Number: **A2156**

Drawn JS	Checked PA	Approved PA
Date 27/02/2024	Date 27/02/2024	Date 27/02/2024

Drawing No. **CRSP-MCA-00-00-DR-C-2202** Status **-** Rev. **P1**


All dimensions are in millimetres. Figured dimensions to be taken in preference to scale dimensions. Dimensions to be checked onsite. © 2021 McAdam Design Ltd.

PROPOSED STORM NETWORK 4 - MANHOLE SCHEDULE																	
MH #	CL (m)	Depth to Invert (m)	MH Dia.	Pipe Out					Pipe In				MH Type	Cover Type/ Grade / Size	Pipe surround Type	Notes	
				Pipe #	IL (m)	Ø (mm)	L (m)	Grad (1:x)	Pipe #	IL (m)	Ø (mm)	B.drop (mm)					
4-1/01	74.863	1.300	1200	1.000	73.563	100	26.273	9.2					Type A	B125/675x675mm	Class T		
4-1/02	72.000	1.300	1200	1.001	70.700	100	37.68	7.5	1.000	70.700	100		Type A	B125/675x675mm	Class T		
4-1/03	67.000	1.425	1200	1.002	65.575	225	25.358	150	1.001	65.700	100		Type A	B125/675x675mm	Class T		
4-1/04	67.000	1.594	1200	1.003	65.406	225	49.954	16	1.002	65.406	225		Type A	B125/675x675mm	Class T		
4-1/05	63.800	1.509	1200	1.004	62.291	225	14.056	150	1.003	62.291	225		Type A	B125/675x675mm	Class T		
HW4	63.800	1.602	0	Discharge to watercourse					1.004	62.198	225	Headwall discharge to watercourse					

PROPOSED STORM NETWORK 5 - MANHOLE SCHEDULE																
MH #	CL (m)	Depth to Invert (m)	MH Dia.	Pipe Out					Pipe In				MH Type	Cover Type/ Grade / Size	Pipe surround Type	Notes
				Pipe #	IL (m)	Ø (mm)	L (m)	Grad (1:x)	Pipe #	IL (m)	Ø (mm)	B.drop (mm)				
5-1/01	70.330	1.300	1200	1.000	69.030	150	48.056	102.9					Type A	D400/675x675mm	Class T	
5-1/02	69.863	1.300	1200	1.001	68.563	150	43.945	92.3	1.000	68.563	150		Type A	D400/675x675mm	Class T	
5-2/01	70.949	1.425	1200	2.000	69.524	225	70.868	99.8					Type A	D400/675x675mm	Class T	
5-2/02	70.239	1.425	1200	2.001	68.814	225	81.131	101.2	2.000	68.814	225		Type A	D400/675x675mm	Class T	
5-1/03	69.437	1.425	1200	1.002	68.012	225	47.058	103.1	1.001	68.087	150		Type A	D400/675x675mm	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0199-2000-1000-2000 (Hydro International) Design flow Q - 20l/s. Design head - 1.0m
									2.001	68.012	225					
5-1/04	68.980	1.425	1200	1.003	67.555	225	50	103.1	1.002	67.555	225		Type A	D400/675x675mm	Class T	
5-1/05	68.495	1.500	1200	1.004	66.995	300	26.317	426.5	1.003	67.070	225		Type A	D400/675x675mm	Class T	
5-3/01	69.992	1.425	1200	3.000	68.567	225	68.005	101.8					Type A	D400/675x675mm	Class T	
5-3/02	69.324	1.425	1200	3.001	67.899	225	57.678	100.8	3.000	67.899	225		Type A	D400/675x675mm	Class T	
5-1/06	68.752	1.893	1350	1.005	66.859	375	50	500	1.004	66.934	300		Type A	D400/675x675mm	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0146-1000-1000-1000 (Hydro International) Design flow Q - 10l/s. Design head - 1.0m
									3.001	67.327	225	318				
5-1/07	68.517	1.833	1350	1.006	66.684	450	50	461.2	1.005	66.759	375		Type A	D400/675x675mm	Class T	
5-1/08	68.266	1.691	1350	1.007	66.575	450	50	238.2	1.006	66.575	450		Type A	D400/675x675mm	Class T	
5-4/01	68.989	1.350	1200	4.000	67.639	150	50	101.2					Type A	D400/675x675mm	Class T	
5-4/02	68.495	1.350	1200	4.001	67.145	150	49.915	104	4.000	67.145	150		Type A	D400/675x675mm	Class T	
5-1/09	68.015	1.650	1350	1.008	66.365	450	14.46	500	1.007	66.365	450		Type A	D400/675x675mm	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0146-1000-1000-1000 (Hydro International) Design flow Q - 10l/s. Design head - 1.0m
									4.001	66.665	150					
5-1/10	68.247	1.911	1350	1.009	66.336	450	2.271	4.6	1.008	66.336	450		Type A	D400/675x675mm	Class T	
5-1/11	65.715	1.650	1350	1.010	64.065	450	0.152	200.6	1.009	64.065	450		Type A	D400/675x675mm	Class T	
5-1/12	65.563	1.650	1350	1.011	63.913	450	0.242	198.5	1.010	63.913	450		Type A	D400/675x675mm	Class T	
5-1/13	65.321	1.650	1350	1.012	63.671	450	1.376	29.3	1.011	63.671	450		Type A	D400/675x675mm	Class T	
5-1/14	63.945	1.650	1350	1.013	62.295	450	0.895	42.8	1.012	62.295	450		Type A	D400/675x675mm	Class T	
5-1/15	63.050	1.650	1350	1.014	61.400	450	0.065	500	1.013	61.400	450		Type A	D400/675x675mm	Class T	
5-5/01	65.193	1.500	1200	5.000	63.693	300	0.375	133.3					Type A	D400/675x675mm	Class T	
5-5/02	64.818	1.650	1350	5.001	63.168	450	0.277	180.5	5.000	63.318	300		Type A	D400/675x675mm	Class T	
5-5/03	64.541	1.650	1350	5.002	62.891	450	1.041	60.1	5.001	62.891	450		Type A	D400/675x675mm	Class T	Hydrobrake Chamber - Unit reference MD-SHE-0146-1000-1000-1000 (Hydro International) Design flow Q - 10l/s. Design head - 1.0m
5-5/04	63.500	1.800	1500	5.003	61.700	600	0.056	500	5.002	61.850	450		Type A	D400/675x675mm	Class T	
5-1/16	63.500	2.315	1500	1.015	61.185	600	0.047	500	1.014	61.335	450		Type A	D400/675x675mm	Class T	
									5.003	61.644	600	459				
Soakaway to be installed to promote infiltration & dispersal of flows at low return periods prior to Discharge to watercourse																
5-1/17	63.000	1.862	1500	1.016	61.138	600	16.374	500	1.015	61.138	600		Type A	D400/675x675mm	Class T	
HW5	63.000	1.895	0	Discharge to watercourse					1.016	61.105	600	Headwall discharge to watercourse				

NOTES

- This drawing should be read in conjunction with Proposed Drainage Layout Drawings
- Invert levels of catchpit chambers shown denote invert levels of the lowest pipe and do not include for catchpit sump depth.
- Proposed cover levels and manhole depths indicated are indicative only and subject to change following design development.
- All cover levels to be taken from proposed levels drawing if discrepancies occur.

Rev	Issue Date	Description	Issued By
Project Status: PLANNING			
Client: Cavan County Council			
Project: Cavan Regional Sports Campus			
Drawing: Proposed Storm Manhole Schedule Sheet 4 of 5			
File Ref:			
Scale: NTS			
			1c Montgomery House, 478 Castlereagh Road, Belfast, BT5 6BQ T: 028 9040 2000 admin@mcadamdesign.co.uk www.mcadamdesign.co.uk
McAdam Design Project Number: A2156			
Drawn	JS	Checked	PA
Date	27/02/2024	Date	27/02/2024
Approved		PA	
Date		27/02/2024	
Drawing No. CRSP-MCA-00-00-DR-C-2203			Status Rev. - P1
All dimensions are in millimetres. Figured dimensions to be taken in preference to scale dimensions. Dimensions to be checked onsite. © 2021 McAdam Design Ltd.			

PROPOSED DIVERSION - MANHOLE SCHEDULE

MH #	CL (m)	Depth to Invert (m)	MH Dia.	Pipe Out					Pipe In				MH Type	Cover Type/ Grade / Size	Pipe surround Type	Notes	
				Pipe #	IL (m)	Ø (mm)	L (m)	Grad (1:x)	Pipe #	IL (m)	Ø (mm)	B.drop (mm)					
D01	75.696	1.800	1500	1.000	73.896	600	39.345	103					Type A	D400/675x675mm	Class T		
D02	75.500	1.986	1500	1.001	73.514	600	81.816	500	1.000	73.514	600		Type A	D400/675x675mm	Class T		
D03	75.500	2.150	1500	1.002	73.350	600	51.412	500	1.001	73.350	600		Type A	D400/675x675mm	Class T		
D04	75.500	2.252	1500	1.003	73.248	600	98.851	96.5	1.002	73.248	600		Type A	D400/675x675mm	Class T		
D05	74.023	1.800	1500	1.004	72.223	600	82.328	25.8	1.003	72.223	600		Type A	D400/675x675mm	Class T		
D06	70.838	1.800	1500	1.005	69.038	600	86.613	350.7	1.004	69.038	600		Type A	D400/675x675mm	Class T		
D07	70.591	1.800	1500	1.006	68.791	600	86.165	28.6	1.005	68.791	600		Type A	D400/675x675mm	Class T		
D08	67.579	1.800	1500	1.007	65.779	600	51.965	11.3	1.006	65.779	600		Type A	D400/675x675mm	Class T		
D09	63.000	1.800	1500	1.008	61.200	600	18.159	200	1.007	61.200	600		Type A	D400/675x675mm	Class T		
D10	63.000	1.891	1500	1.009	61.109	600	57.561	500.5	1.008	61.109	600		Type A	D400/675x675mm	Class T		
D11	63.000	2.006	1500	1.010	60.994	600	8.481	500	1.009	60.994	600		Type A	D400/675x675mm	Class T		
HW6	63.000	2.023	0	Discharge to watercourse					1.010	60.977	600	Headwall discharge to watercourse					

PROPOSED STORM MANHOLE SCHEDULE - LAND DRAINAGE

MH #	CL (m)	Depth to Invert (m)	MH Dia.	Pipe Out					Pipe In				MH Type	Cover Type/ Grade / Size	Pipe surround Type	Notes
				Pipe #	IL (m)	Ø (mm)	L (m)	Grad (1:x)	Pipe #	IL (m)	Ø (mm)	B.drop (mm)				

Manholes / chambers required for all land drainage, infiltration trenches and retaining wall drainage not illustrated within manhole schedules at this stage of scheme development. Refer to draineg plans for extent of this infrastructure. Scheme to allow for necessary infrastructure to facilitate the installation of the land / retaining wall drainage including access chambers & rodding eyes as necessary. This will include allowance for location & invert levels to reflect ground profiles / retaining wall drainage installation levels & discharge locations

NOTES

- This drawing should be read in conjunction with Proposed Drainage Layout Drawings
- Invert levels of catchpit chambers shown denote invert levels of the lowest pipe and do not include for catchpit sump depth.
- Proposed cover levels and manhole depths indicated are indicative only and subject to change following design development.
- All cover levels to be taken from proposed levels drawing if discrepancies occur.

Rev	Issue Date	Description	Issued By
-----	------------	-------------	-----------

Project Status:

PLANNING

Client
Cavan County Council

Project
Cavan Regional Sports Campus

Drawing
Proposed Storm Manhole Schedule
Sheet 5 of 5

File Ref:

Scale: NTS

	1c Montgomery House, 478 Castlereagh Road, Belfast, BT5 6BQ T: 028 9040 2000 admin@mcadamdesign.co.uk www.mcadamdesign.co.uk
	McAdam Design Project Number: A2156

Drawn	JS	Checked	PA	Approved	PA
Date	27/02/2024	Date	27/02/2024	Date	27/02/2024

Drawing No.	CRSP-MCA-00-00-DR-C-2204	Status	-	Rev.	P1
-------------	--------------------------	--------	---	------	----

All dimensions are in millimetres. Figured dimensions to be taken in preference to scale dimensions. Dimensions to be checked onsite. © 2021 McAdam Design Ltd.