



Providence Drainage Report



Drainage Mains Info

Pipe Types / Sizes / Grades

Type	Size (mm)	Count	Max Grade %	Min Grade %	Length (m)
Totals / Range		31	4.57	0.25	588.38
RCP	225	1	2.54	2.54	5.12
RCP	375	13	3.00	0.56	198.61
RCP	450	4	1.88	1.16	150.54
RCP	525	2	0.43	0.25	33.04
uPVC	150	7	2.43	0.90	142.44
uPVC	225	4	4.57	1.18	58.64

Drainage Pits Info

Structure Types / Sizes / Depths

Type	Size (mm)	Count	Max Depth (m)	Min Depth (m)	Existing
Totals / Range		39	2.50	0.51	8
Gully Pit Field	1650	2	1.27	1.23	Existing
Gully Pit Field	600x600	10	1.52	0.51	
Gully Pit Field	900x900	2	0.72	0.65	Existing
Gully Pit Field	900x900	2	1.34	0.51	
Gully Pit Inlet	1800	1	1.73	1.73	Existing
Gully Pit Inlet	900x600	1	1.13	1.13	Existing
Gully Pit Inlet	900x600	13	1.68	0.59	
Headwall Structural	N/A	1	0.93	0.93	
Manhole	1050	1	1.37	1.37	Existing
Manhole	1050	5	2.50	1.38	
Manhole	1350	1	1.27	1.27	Existing

Drainage House Connection Info

House Connection Types / Sizes / End Depths

Type	Size (mm)	Count	Max Depth (m)	Min Depth (m)	Length (m)
Totals / Range		16	0.89	0.32	22.80
HC Standard	100	16	0.89	0.32	22.80



Providence



Drainage Mains Report

Unique ID	USMH	DSMH	Main Diameter	Box Culvert Height	Pipe type	Pipe Class	US IL AHD	DS IL AHD	Length (m)	%	Grade 1 in ...	Date Constructed	Notes
1	GC 1/23	GC 2/23	375	0	RCP	3	49.27	48.83	26.09	1.69	1 in 59	20/02/2015	
2	GC 2/23	SMC 3/23	375	0	RCP	3	48.82	48.78	7.19	0.56	1 in 180	20/02/2015	
3	SMC 3/23	GC 4/23	450	0	RCP	3	48.69	47.81	46.99	1.87	1 in 53	20/02/2015	
4	GC 4/23	GC 5/23	450	0	RCP	3	47.79	47.31	37.55	1.28	1 in 78	20/02/2015	
5	GC 5/23	GC 6/23	450	0	RCP	3	47.27	46.16	59.11	1.88	1 in 53	20/02/2015	
6	GC 6/23	SMC 7/23	525	0	RCP	3	45.45	45.36	20.99	0.43	1 in 233	20/02/2015	
7	SMC 7/23	HWS 8/23	525	0	RCP	3	45.33	45.30	12.04	0.25	1 in 402	20/02/2015	
8	GC 1/34	GC 4/22	375	0	RCP	3	46.05	45.91	6.98	2.01	1 in 50	20/02/2015	
9	GC 1/35	SMC 3/23	375	0	RCP	3	49.19	48.83	18.79	1.92	1 in 52	20/02/2015	
10	GC 1/36	SMC 3/23	375	0	RCP	3	48.98	48.74	11.36	2.11	1 in 47	20/02/2015	
11	GC 1/38	GC 6/23	450	0	RCP	3	45.92	45.84	6.88	1.16	1 in 86	20/02/2015	
12	GC 1/46	GC 10/24	375	0	RCP	3	48.70	48.43	10.28	2.63	1 in 38	20/02/2015	
13	GC 1/47	GC 12/24	375	0	RCP	3	48.27	47.94	11.71	2.82	1 in 35	20/02/2015	
14	GC 1/48	SMC 5/22	375	0	RCP	3	44.88	44.77	5.97	1.84	1 in 54	20/02/2015	
15	RPC 1/57	RPC 2/57	150	0	uPVC	SN8	48.68	48.56	12.42	0.97	1 in 104	20/02/2015	
16	RPC 2/57	RPC 3/57	150	0	uPVC	SN8	48.54	48.41	10.48	1.24	1 in 81	20/02/2015	
17	RPC 1/58	RPC 2/58	150	0	uPVC	SN8	45.60	45.44	17.82	0.90	1 in 111	20/02/2015	
18	GC 1/70	GC 2/23	375	0	RCP	3	49.39	49.11	24.25	1.16	1 in 87	20/02/2015	
19	RPC 1/49	RPC 2/49	150	0	uPVC	SN8	46.15	45.83	24.03	1.33	1 in 75	20/02/2015	
20	RPC 2/49	RPC 3/49	225	0	uPVC	SN8	45.79	45.57	18.68	1.18	1 in 85	20/02/2015	
21	RPC 3/49	GC 4/49	225	0	RCP	3	45.12	44.99	5.12	2.54	1 in 39	20/02/2015	
22	GC 4/49	SMC 5/22	375	0	RCP	3	44.94	44.64	14.80	2.03	1 in 49	20/02/2015	
23	RPC 1/52	SMC 2/52	150	0	uPVC	SN8	47.44	46.45	40.71	2.43	1 in 41	20/02/2015	
24	SMC 2/52	SMC 7/23	375	0	RCP	3	45.74	45.38	17.04	2.11	1 in 47	20/02/2015	
25	RPC 1/65	RPC 2/65	150	0	uPVC	SN8	52.15	51.96	19.14	0.99	1 in 101	20/02/2015	
26	RPC 2/65	RPC 3/65	150	0	uPVC	SN8	51.94	51.69	17.84	1.40	1 in 71	20/02/2015	
27	RPC 3/65	RPC 4/65	225	0	uPVC	SN8	51.65	51.01	14.00	4.57	1 in 22	20/02/2015	
28	RPC 4/65	RPC 5/65	225	0	uPVC	SN8	50.95	50.61	19.68	1.73	1 in 58	20/02/2015	
29	RPC 5/65	SMC 6/65	225	0	uPVC	SN8	48.96	48.73	6.29	3.66	1 in 27	20/02/2015	
30	SMC 6/65	SMC 7/65	375	0	RCP	3	48.38	47.45	31.03	3.00	1 in 33	20/02/2015	
31	SMC 7/65	GC 13/24	375	0	RCP	3	47.15	46.81	13.12	2.59	1 in 39	20/02/2015	



Providence

Drainage Pits Report



Unique ID	Code	Structure Type	Structure Shape	Structure Construction	Structure Size	Cover Type	Surface RL	Depth	Date Constructed	Easting	Northing	Notes	Existing
1	GC 1/23	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	50.13	0.86	20/02/2015	481355.833	6936905.461	Type S	No
2	GC 2/23	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	50.01	1.19	20/02/2015	481333.605	6936919.128	Type S(sag)	No
3	SMC 3/23	Manhole	Circular	Concrete Precast	1050	Cast Iron Circular	50.07	1.38	20/02/2015	481337.480	6936925.186		No
4	GC 4/23	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	48.97	1.18	20/02/2015	481362.055	6936965.234	Type S. 1350 dia.	No
5	GC 5/23	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	48.24	0.97	20/02/2015	481381.944	6936997.089	Type S	No
6	GC 6/23	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	47.13	1.68	20/02/2015	481413.138	6937047.303	Type S	No
7	SMC 7/23	Manhole	Circular	Concrete Precast	1350	Cast Iron Circular	46.60	1.27		481424.327	6937065.066		Yes
8	HWS 8/23	Headwall Structural	N/A	Concrete Precast	N/A	N/A	46.23	0.93	20/02/2015	481430.775	6937075.238		No
9	GC 1/34	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	47.03	0.98	20/02/2015	481340.271	6937070.100	Type M	No
10	GC 4/22	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	47.04	1.13		481334.339	6937073.772		Yes
11	GC 1/35	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	50.21	1.02	20/02/2015	481321.433	6936934.961	Type S	No
12	GC 1/36	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	50.06	1.08	20/02/2015	481346.989	6936918.972	Type S	No
13	GC 1/38	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	47.10	1.18	20/02/2015	481406.918	6937050.253	Type L	No
14	GC 1/46	Gully Pit Field	Rectangular	Concrete Precast	600x600	Grate Single	49.75	1.05	20/02/2015	481428.473	6936938.838	Type 2 with V-Grate	No
15	GC 10/24	Gully Pit Field	Circular	Concrete Precast	1650	Grate Single	49.70	1.27		481438.294	6936935.799	Type 2 with V-Grate. 600x6	Yes
16	GC 1/47	Gully Pit Field	Rectangular	Concrete Precast	600x600	Grate Single	49.26	0.99	20/02/2015	481445.506	6936966.292	Type 2 with V-Grate. 1050	No
17	GC 12/24	Gully Pit Field	Circular	Concrete Precast	1650	Grate Single	49.17	1.23		481457.219	6936966.206	Type 2 with V-Grate. 600x6	Yes
18	GC 1/48	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	45.95	1.07	20/02/2015	481337.837	6937090.709	Anti-Ponding Type A	No
19	SMC 5/22	Manhole	Circular	Concrete Precast	1050	Cast Iron Circular	46.01	1.37		481343.104	6937087.905		Yes
20	RPC 1/57	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	49.27	0.59	20/02/2015	481310.967	6937064.682	Type 2	No
21	RPC 2/57	Gully Pit Field	Rectangular	Concrete Precast	900x900	Grate Single	49.05	0.51	20/02/2015	481300.454	6937071.300	Type 2	No
22	RPC 3/57	Gully Pit Field	Rectangular	Concrete Precast	900x900	Grate Single	49.06	0.65		481291.554	6937076.828	Type 2	Yes
23	RPC 1/58	Gully Pit Field	Rectangular	Concrete Precast	600x600	Cast Iron Rectangula	46.22	0.62	20/02/2015	481324.490	6937094.027	Type 2	No
24	RPC 2/58	Gully Pit Field	Rectangular	Concrete Precast	900x900	Cast Iron Rectangula	46.16	0.72		481309.322	6937103.378	Type 2	Yes
25	GC 1/70	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	50.34	0.95	20/02/2015	481313.069	6936932.023	Type S	No
26	RPC 1/49	Gully Pit Field	Rectangular	Concrete Precast	600x600	Grate Single	46.80	0.65	20/02/2015	481393.798	6937061.525	Type 2	No
27	RPC 2/49	Gully Pit Field	Rectangular	Concrete Precast	600x600	Grate Single	46.60	0.81	20/02/2015	481370.121	6937065.635	Type 2	No
28	RPC 3/49	Gully Pit Field	Rectangular	Concrete Precast	900x900	Grate Single	46.46	1.34	20/02/2015	481354.126	6937075.275	Type 2	No
29	GC 4/49	Gully Pit Inlet	Rectangular	Concrete Insitu	900x600	Grate Single	46.04	1.10	20/02/2015	481355.701	6937080.144	Anti-Ponding Type A	No
30	RPC 1/52	Gully Pit Field	Rectangular	Concrete Precast	600x600	Grate Single	48.09	0.65	20/02/2015	481459.548	6937026.386	Type 2	No
31	SMC 2/52	Manhole	Circular	Concrete Precast	1050	Cast Iron Circular	47.37	1.63	20/02/2015	481425.077	6937048.041		No
32	RPC 1/65	Gully Pit Field	Rectangular	Concrete Precast	600x600	Grate Single	52.66	0.51	20/02/2015	481465.792	6936903.182	Type 2	No
33	RPC 2/65	Gully Pit Field	Rectangular	Concrete Precast	600x600	Grate Single	52.86	0.92	20/02/2015	481475.940	6936919.413	Type 2	No
34	RPC 3/65	Gully Pit Field	Rectangular	Concrete Precast	600x600	Grate Single	52.64	0.99	20/02/2015	481485.342	6936934.572	Type 2	No
35	RPC 4/65	Gully Pit Field	Rectangular	Concrete Precast	600x600	Grate Single	52.47	1.52	20/02/2015	481492.701	6936946.480	Type 2	No
36	RPC 5/65	Manhole	Circular	Concrete Precast	1050	Grate Single	51.46	2.50	20/02/2015	481503.059	6936963.212	600x600 grated lid	No
37	SMC 6/65	Manhole	Circular	Concrete Precast	1050	Cast Iron Circular	49.99	1.61	20/02/2015	481506.366	6936968.559		No

Unique ID	Code	Structure Type	Structure Shape	Structure Construction	Structure Size	Cover Type	Surface RL	Depth	Date Constructed	Easting	Northing	Notes	Existing
38	SMC 7/65	Manhole	Circular	Concrete Precast	1050	Grate Single	49.10	1.95	20/02/2015	481481.986	6936987.762	600x600 Grated Lid	No
39	GC 13/24	Gully Pit Inlet	Circular	Concrete Insitu	1800	Grate Single	48.54	1.73		481478.793	6937000.488	Type M	Yes



Providence



Drainage House Connections Report

Unique ID	HC OB Code	HC End Code	Connection Type	Chainage From DSMH	OB Invert RL	HC End Surface RL	HC End Invert RL	HC End Depth	Pipe Diameter	Pipe Type	Pipe Class	Length	Date Constructed
1	RPH 141	RH 141	HC Standard	0.23	46.21	46.95	46.26	0.70	100	uPVC	SEH	1.08	20/02/2015
2	RO 140	RH 140	HC Standard	8.78	46.01	46.71	46.09	0.63	100	uPVC	SEH	0.61	20/02/2015
3	RPH 139	RH 139	HC Standard	0.14	45.89	46.73	45.94	0.79	100	uPVC	SEH	0.99	20/02/2015
4	RPH 138	RH 138	HC Standard	0.29	45.62	46.57	45.68	0.89	100	uPVC	SEH	1.04	20/02/2015
5	RPH 174	RH 174	HC Standard	0.09	47.56	48.15	47.60	0.55	100	uPVC	SEH	0.96	20/02/2015
6	RO 173	RH 173	HC Standard	26.71	47.10	47.88	47.26	0.63	100	uPVC	SEH	1.10	20/02/2015
7	RO 172	RH 172	HC Standard	12.83	46.76	47.61	46.94	0.67	100	uPVC	SEH	1.27	20/02/2015
8	RPH 171	RH 171	HC Standard	0.58	46.71	47.36	46.75	0.62	100	uPVC	SEH	0.73	20/02/2015
9	RPH 364	RH 364	HC Standard	0.36	52.31	52.93	52.39	0.54	100	uPVC	SEH	2.21	20/02/2015
10	RPH 365	RH 365	HC Standard	0.44	52.04	52.52	52.20	0.32	100	uPVC	SEH	2.22	20/02/2015
11	RPH 366	RH 366	HC Standard	0.43	51.74	52.15	51.80	0.35	100	uPVC	SEH	2.38	20/02/2015
12	RPH 367	RH 367	HC Standard	0.51	51.09	51.86	51.23	0.63	100	uPVC	SEH	2.17	20/02/2015
13	RPH 368	RH 368	HC Standard	0.37	50.53	51.46	50.59	0.86	100	uPVC	SEH	2.16	20/02/2015
14	RPH 128	RH 128	HC Standard	0.27	48.72	49.34	48.82	0.52	100	uPVC	SEH	1.71	20/02/2015
15	RPH 127	RH 127	HC Standard	0.43	48.63	49.29	48.67	0.61	100	uPVC	SEH	1.51	20/02/2015
16	RPH 129	RH 129	HC Standard	0.34	45.72	46.20	45.76	0.44	100	uPVC	SEH	0.68	20/02/2015