



Storm Drainage MH Data

Storm MH	Invert Level	Cover Level
S1	42.29	46.77
S2	42.23	46.65
S3	42.16	46.78
S55	42.79	44.30
S56	42.86	44.17
S4	42.02	46.87
S5	41.88	46.63
S6	42.65	44.22
S7	42.59	44.32
S8	42.47	44.57
S9	42.41	44.75
S10	42.35	44.95
S11	42.26	45.42
S12	42.16	45.85
S13	42.10	46.26
S14	41.67	46.67
S15	44.96	47.31
S17A	45.78	47.37
S16	43.18	47.17
S17	41.46	47.02
S18	41.39	47.03
S19	41.20	46.65
S20	41.00	46.47
S21	40.97	46.57
S22	40.72	46.74
S23	40.68	46.96
S24	40.55	46.80
S53	41.02	46.34

Storm MH	Invert Level	Cover Level
S24	40.55	46.80
S25	42.52	45.42
S26	42.03	46.59
S27	41.87	46.97
S28	41.74	46.98
S29	41.60	47.30
S30	41.57	47.21
S31	41.53	46.89
S32	41.49	46.65
S33	40.45	46.57
S34	40.43	46.42
S35	41.99	44.47
S36	41.88	44.67
S37	41.80	44.95
S38	41.71	45.14
S39	41.47	45.92
S40	41.38	46.25
S41	40.42	46.33
S42	40.39	45.28
S43	42.26	43.65
S44	41.30	44.25
S45A	40.35	44.19
S46	Omitted	
S47	40.29	42.81
S48	40.23	42.52
S49	40.08	42.43
S50	39.86	42.00
S51	39.76	41.44
S52	39.15	41.28
SBasin	37.81	n/a

Foul Drainage MH Data

Foul MH	Invert Level	Cover Level
F1	42.11	46.78
F2	41.95	46.64
F3	41.86	46.77
F4	41.61	46.88
F5	41.38	46.59
F6	42.67	44.18
F7	42.48	44.28
F8	42.37	44.39
F9	42.22	44.53
F10	42.12	44.71
F11	41.98	45.05
F12	41.91	45.47
F13	41.78	45.81
F14	41.67	46.26
F15	41.25	46.75
F16	41.19	46.90
F17	44.53	47.32
F17A	45.80	47.36
F18	42.39	47.20
F19	41.02	47.04
F20	40.88	47.03
F21	40.70	46.72
F22	40.69	46.51
F23	40.60	46.75
F24	40.41	47.02
F55	40.95	46.30

Foul MH	Invert Level	Cover Level
F25	40.06	46.85
F26	43.52	44.82
F27	43.27	45.53
F28	43.12	46.49
F29	42.99	46.97
F30	42.91	47.01
F31	42.68	47.25
F32	42.56	47.02
F33	42.31	46.63
F34	39.92	46.57
F35	39.84	46.40
F36	43.01	44.41
F37	42.83	44.70
F38	42.65	45.10
F39	41.11	45.85
F40	40.37	46.24
F41	39.74	46.14
F42	39.60	45.13
F43	41.90	43.70
F44	40.22	44.14
F45	39.49	44.12
F46	39.40	43.49
F47	39.24	42.89
F48	39.19	42.54
F49	38.99	42.35
F50	39.96	41.53
F51	38.63	41.37
F52	37.96	41.19
F53	37.59	41.00
F54	37.10	40.42

PHASE 4

REFER TO PHASE 4 DRAWING

Foul Drainage Pipe Run Data

FROM	TO	DIA. (mm)	LENGTH (m)	GRADE	TYPE
F1	F2	150	24.3	1:152	Clay
F2	F3	150	16.2	1:180	Clay
F3	F4	150	40.9	1:164	Clay
F4	F5	150	29.9	1:190	Clay
F5	F15	150	24.4	1:188	Clay
F15	F16	150	9.8	1:163	Clay
F16	F19	150	23.9	1:141	Clay
F19	F20	150	19.4	1:139	Clay
F20	F21	150	30.1	1:167	Clay
F21	F23	150	8.7	1:348	Clay
F23	F24	225	36.5	1:192	Clay
F24	F25	225	51.8	1:370	Clay
F17A	F17	150	15.0	1:12	Clay
F17	F18	150	25.0	1:12	Clay
F18	F19	150	16.7	1:12	Clay
F12	F13	150	17.7	1:98	Clay
F13	F14	150	18.6	1:169	Clay
F14	F15	150	16.9	1:40	Clay
F22	F23	150	12.6	1:630	Clay
F3	F6	150	18.3	1:102	Clay
F6	F7	150	17.0	1:89	Clay
F7	F8	150	7.3	1:66	Clay
F8	F9	150	16.6	1:111	Clay
F9	F10	150	13.2	1:132	Clay
F10	F11	150	16.9	1:121	Clay
F11	F12	150	16.4	1:234	Clay
F55	F22	150	20.5	1:79	Clay

FROM	TO	DIST.	DIA.	GRADE	TYPE
F54	F53	32.5	225	1:56	Clay
F53	F52	26.1	225	1:70	Clay
F52	F51	18.6	225	1:28	Clay
F51	F50	14.5	150	1:12	Clay
F49	F49	35.4	225	1:98	Clay
F49	F48	23.2	225	1:116	Clay
F48	F47	18.4	225	1:368	Clay
F47	F46	21.6	225	1:135	Clay
F46	F45	19.6	225	1:217	Clay
F45	F44	6.3	150	1:10	Clay
F44	F43	13.3	150	1:7	Clay
F45	F42	23.3	225	1:212	Clay
F42	F41	23.6	225	1:169	Clay
F41	F40	9.3	150	1:17	Clay
F40	F39	18.0	150	1:24	Clay
F39	F38	33.0	150	1:21	Clay
F38	F37	21.1	150	1:117	Clay
F37	F36	25.1	150	1:139	Clay
F41	F35	9.3	225	1:93	Clay
F35	F34	16.1	225	1:202	Clay
F34	F33	16.8	150	1:8	Clay
F33	F32	38.5	150	1:154	Clay
F32	F31	19.2	150	1:160	Clay
F31	F30	36.2	150	1:157	Clay
F30	F29	8.2	150	1:102	Clay
F29	F28	17.8	150	1:137	Clay
F28	F27	24.8	150	1:165	Clay
F27	F26	18.5	150	1:74	Clay
F24	F25	23.8	225	1:170	Clay

Storm Drainage Pipe Run Data

FROM	TO	DIA. (mm)	LENGTH (m)	GRADE	TYPE
S2	S3	525	25.4	1:363	Concrete
S3	S4	525	36.6	1:261	Concrete
S4	S5	525	29.7	1:212	Concrete
S5	S14	525	30.4	1:304	Concrete
S14	S17	600	31.8	1:199	Concrete
S17	S18	675	21.5	1:307	Concrete
S18	S19	675	29.9	1:157	Concrete
S19	S22	675	9.1	1:28	Concrete
S22	S23	825	32.6	1:815	Concrete
S23	S24	825	59.6	1:458	Concrete
S17A	S15	150	19.3	1:24	Clay
S15	S16	150	23.6	1:13	Clay
S16	S17	225	18.1	1:14	Clay
S11	S12	300	17.6	1:176	Clay
S12	S13	300	18.6	1:310	Clay
S13	S14	300	12.8	1:128	Clay
S20	S21	600	6.9	1:230	Concrete
S21	S22	600	7.6	1:304	Concrete
S6	S7	300	19.1	1:318	Clay
S7	S8	300	26.5	1:221	Clay
S8	S9	300	10.4	1:173	Clay
S9	S10	300	9.4	1:157	Clay
S10	S11	300	16.5	1:266	Clay
S53	S20	600	10.4	1:520	Concrete
S7	S55	225	7.6	1:63	Clay
S55	S56	225	14.2	1:203	Clay

FROM	TO	DIST.	DIA.	GRADE	TYPE
N. Basin	S52	13.0	900	1:10	Concrete
S52	S51	13.5	150	1:95	Clay
S52	S50	26.6	900	1:37	Concrete
S50	S49	12.8	900	1:58	Concrete
S49	S48	25.3	900	1:169	Concrete
S48	S47	17.7	900	1:296	Concrete
S47	S45A	44.0	900	1:733	Concrete
S45A	S44	7.4	150	1:37	Clay
S44	S43	20.4	150	1:21	Clay
S45A	S42	24.9	900	1:623	Concrete
S42	S41	27.4	900	1:912	Concrete
S41	S40	5.7	225	1:20	Clay
S40	S39	15.5	225	1:172	Clay
S39	S38	30.8	225	1:128	Clay
S38	S37	12.9	225	1:143	Clay
S37	S36	15.9	225	1:199	Clay
S36	S35	16.7	225	1:152	Clay
S41	S34	8.7	900	1:870	Concrete
S34	S33	16.2	900	1:812	Concrete
S33	S32	17.7	375	1:34	Concrete
S32	S31	25.6	375	1:641	Concrete
S31	S30	23.0	375	1:576	Concrete
S30	S29	11.1	375	1:368	Concrete
S29	S28	30.1	300	1:463	Clay
S28	S27	13.2	300	1:101	Clay
S27	S26	18.4	225	1:216	Clay
S26	S25	30.2	150	1:72	Clay
S33	S24	18.1	825	1:602	Concrete

Abbreviations

BD	Block	IL	Invert Level
BP	Block Paving	KB	Keel - Half Hole
CB	Channel Blocks	KWH	Keel - Half Hole
CE	Concrete Edging	LD	Low Drain
CP	Concrete Paving	LF	Low Edging
CH	Chamber	LV	Low Voltage
CV	Cover (See ID)	LV	Low Voltage Cable
DC	Down Channel	ME	Manhole
DH	Dish	DEC	Overhead Electric
DS	Dish Kerb	DEC	Overhead Telecom
EP	Electric Pipe	PR	Plaster
ER	Earth Road	PS	Paving Sub-Surface
F2	Foul Drain	PST	Pave (Manufactured)
F3L	Foul Drain - Level	RS	Raised Tact
F4L	Foul Drain - Cham Link	SD	Storm Drain
F5L	Foul Drain - Cham Link	SP	Spot
F6L	Foul Drain - Cham Link	SS	Spot Station
F7P	Foul Drain - Post & Rail	STN	Survey Station
FFW	Fence - Post & Wire	SW	Surface Water
F7P	Fence - Timber Paving	TAC	Tactile Paving
G	Gully	TC	Tactile Cover
GM	Gas Main	TE	Tender
GT	Gas Valve	TE	Tender
HC	Handover Surface	TE	Tender
HG	Hedge	TP	Trench
HW	High Voltage Cable	WT	Water Main
HW	High Voltage Cable	WV	Water Valve Cover
HW	High Voltage Cable	WB	Water Block
HW	High Voltage Cable	WC	Wall - Concrete
HW	High Voltage Cable	WS	Wall - Stone

Line/Point Symbols & Shading

[Symbol]	Kerb	[Symbol]	Clay
[Symbol]	Concrete Edging	[Symbol]	Gully
[Symbol]	Timber Edging	[Symbol]	Lamp Post
[Symbol]	Fence / Boundary	[Symbol]	Ballast / Post
[Symbol]	Foul Drain	[Symbol]	Sign Post
[Symbol]	Storm Drain	[Symbol]	Drip Kerb
[Symbol]	Hedge	[Symbol]	Block Paving
[Symbol]	White Lining	[Symbol]	Tactile Paving
[Symbol]	Sub-Base Kerb	[Symbol]	Termo
[Symbol]	UV Electric Cable	[Symbol]	Glass
[Symbol]	UV Gas Main	[Symbol]	Hardcore
[Symbol]	UV Water Main	[Symbol]	Mud
[Symbol]	UV Telecoms	[Symbol]	Sand
[Symbol]	OH Electric Cable		
[Symbol]	OH Telecoms		

Type / Height / Crown Spread / Trunk Girth

AK	Apple	EM	Em	OK	Oak
AP	Apple	FR	FR	PR	Pear
AB	Ash	HR	HR	PD	Poplar
BE	Beech	HC	HC	SC	Sycamore
BI	Birch	LM	LM	WL	Weald Chestnut
CH	Cherry	LP	LP	UN	Unknown

Notes:

- Primary Control
- Setting Out
- Land Surveying
- Ground Modelling

