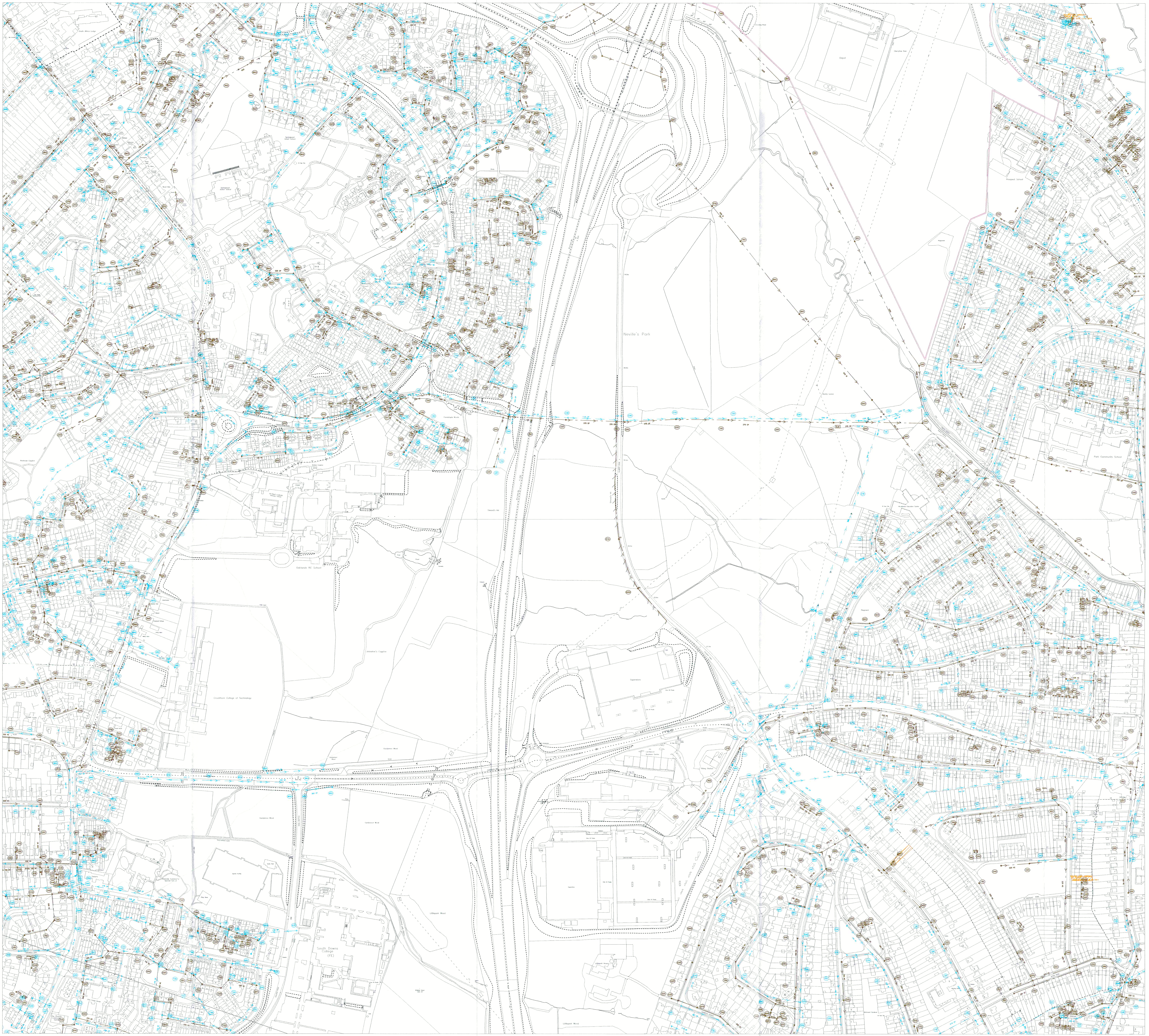

SEWER RECORDS

Node	Cover	Invert	Size	Material	Shape	
0001X			225	VC	CIRC	*
0001X	41.652	39.24	225	VC	CIRC	*
0001Y	41.652	39.261	225	VC	CIRC	*
0002X	43.63	39.93	225	VC	CIRC	*
0002X	14.47	12.65	225	VC	CIRC	*
0003X	14.91	12.99	225	VC	CIRC	
0050X	14.84	13.45	225	VC	CIRC	*
0050X	42.42	40.17	300	CP	CIRC	*
0051X	14.71	13.09	375	CP	CIRC	*
0051X	43.43	40.61	525	CP	CIRC	*
0052X	14.45	12.97	225	VC	CIRC	
0101X	15.37		225	VC	CIRC	
0102X	41.45	39.43	150	VC	CIRC	*
0102X	14.16	12.11	225	VC	CIRC	*
0103X			225	VC	CIRC	*
0103X			UNK	UNK	UNK	*
010DX			UNK	UNK	CIRC	
0150X	15		225	VC	CIRC	
0152X	41.55	39.05	300	CP	CIRC	
0153Y	41.543	40.009	525	CP	CIRC	*
0153X	41.543	39.99	525	CP	CIRC	*
0201X	14.51	12.83	600	CI	CIRC	*
0201X	21.1	19.81	225	VC	CIRC	*
0202X	19.93	18.63	225	VC	CIRC	
0250X	20.31	18.92	300	CP	CIRC	
0251X	21.87	20.53	225	VC	CIRC	
0301X	36.9		150	VC	CIRC	*
0301X	13.9	9.39	1050	CP	CIRC	*
0301X	22.42	20.54	150	VC	CIRC	*
0302X	37	33.28	150	VC	CIRC	
0303X	36.65	32.73	150	VC	CIRC	
0304X	36.36	32.3	225	VC	CIRC	
0305X	36.3	32.18	225	VC	CIRC	
0306X	37.01	32.01	225	VC	CIRC	
0307X	35.3	31.55	150	VC	CIRC	
0308Y	35.37		UNK	UNK	CIRC	*
0308X	35.37	33.05	150	VC	CIRC	*
0309X	35.72	34.41	150	VC	CIRC	
030DX			150	VC	CIRC	
0310X			100	VC	CIRC	
0311X			100	VC	CIRC	
0312X			UNK	UNK	CIRC	
0313X			UNK	UNK	CIRC	
0350X	16.11	14.33	1200	CP	CIRC	*
0350X	39.46	37.63	225	CP	CIRC	*
0351X	15.93	13.97	900	CP	CIRC	*
0351X	36.88	32.73	525	CP	CIRC	*
0352X	37.03	33.99	375	CP	CIRC	
0353X	36.63	33.41	375	CP	CIRC	
0355X	36.35	33.05	525	CP	CIRC	
0356X	36.22	32.88	525	CP	CIRC	
0357X	35.38	33.62	300	CP	CIRC	
0401X	14.26	10.13	1050	CP	CIRC	*
0401X	22.49	18.32	225	VC	CIRC	*
0401X	41.04	39.46	150	VC	CIRC	*
0402X	21.52	17.99	225	VC	CIRC	*
0402X			100	PVC	CIRC	*
0403X			UNK	UNK	CIRC	*
0403X			100	VC	CIRC	*
0450X	39.25	37.88	225	CP	CIRC	
0451X	41.11	39.86	225	CP	CIRC	
0501X	19.26	16.68	225	VC	CIRC	*
0501X	43.12	40.32	150	VC	CIRC	*
0502X	18.1	15.74	225	VC	CIRC	
0503X			UNK	UNK	CIRC	
0504X			UNK	UNK	CIRC	
050DX			UNK	UNK	CIRC	
051DX			UNK	UNK	CIRC	
052DX			UNK	UNK	CIRC	
0550X	19.38	15.86	750	CP	CIRC	*
0550X	43.16	41.14	225	VC	CIRC	*
0551X	43.1	40.7	225	VC	CIRC	
0552X	42.74	40.31	225	VC	CIRC	
0553X	42.07	40.52	225	VC	CIRC	
0554X	42.11	40.73	225	VC	CIRC	
0555X	41.93	40.66	225	VC	CIRC	
0556X	43.21	41.2	375	CP	CIRC	
0601X	17.54	15.44	225	VC	CIRC	
0602X	17.15	15.15	225	VC	CIRC	
0603X	17.44	15.74	225	VC	CIRC	
0604X	17.28	14.96	225	VC	CIRC	
0650X	43.45	41.23	225	VC	CIRC	*
0650X	17.99	16.21	300	VC	CIRC	*
0651X	17.04	16.14	225	VC	CIRC	
0652X	17.9	16	225	VC	CIRC	
0653X	16.86	15.81	225	VC	CIRC	
0654X	17.01	15.62	225	VC	CIRC	
0655X	17.45	15.42	300	VC	CIRC	
0656X	18.03		OTHER	OTHER	CIRC	
0657X	18.96	15.98	750	CP	CIRC	
0658X	16.85	15.36	750	CP	CIRC	
0701X	48.87	46.35	150	VC	CIRC	*
0701X	17.98	15.64	225	VC	CIRC	*
0702X	18.6	16.08	225	VC	CIRC	*
0702X	47.72	44.92	150	VC	CIRC	*
0703X	46.61	44.08	150	VC	CIRC	*
0703X	16.83	14.91	225	VC	CIRC	*
0704X	48.32	45.6	150	VC	CIRC	
0705X			UNK	VC	CIRC	
0706X			UNK	VC	CIRC	
0707X			100	VC	CIRC	
0750X	48.84	47.06	300	CP	CIRC	*
0750X	18.66	17.21	225	VC	CIRC	*
0751X	16.63	14.25	225	VC	CIRC	*
0751X	47.64	45.65	300	CP	CIRC	*
0752X	47.35	45.43	300	CP	CIRC	
0753X	46.56	44.71	300	CP	CIRC	
0754X	48.56	46.66	300	CP	CIRC	
0801X	15.17		225	VC	CIRC	*
0801X	51.88	50.28	150	VC	CIRC	*
0802X	50.23	48.93	150	VC	CIRC	*
0802X	15.37	13.84	225	VC	CIRC	*
0803X	49.96	48.63	150	VC	CIRC	
0805X	49.18	47.57	150	VC	CIRC	
0806X	49.25	47.09	150	VC	CIRC	
0850X	15.07	13.98	225	VC	CIRC	*
0850X	51.073		UNK	UNK	CIRC	*
0851X	14.52	13.34	225	VC	CIRC	*
0851Y	51.75		225	CP	CIRC	*
0851X	51.75	49.51	225	CP	CIRC	*
0852X	17.21	15.12	225	VC	CIRC	*
0852X	51.77	49.35	225	CP	CIRC	*
0853X	50.22	48.43	225	CP	CIRC	
0854X	49.96	48.28	225	CP	CIRC	
0855X	49.19	47.31	300	CP	CIRC	
0901X	14.42	13.38	225	VC	CIRC	*
0901X	49.24	47.15	150	VC	CIRC	*
0902X	47.73	45.04	225	VC	CIRC	*
0902X	14.31	12.61	225	VC	CIRC	*
0903X	14.97	13.11	225	VC	CIRC	*
0903X	48.61	45.21	150	VC	CIRC	*
0950X	14.84	13.27	225	VC	CIRC	*
0950X	48.37	46.51	225	CP	CIRC	*
0951X	49.11	46.34	225	CP	CIRC	*
0951X	14.09	12.31	225	VC	CIRC	*
0952X	47.56		UNK	UNK	CIRC	*
0952X	13.98	12	225	VC	CIRC	*
0953X	46.59	44.91	100	VC	CIRC	*
0953X	14.37	13.55	225	VC	CIRC	*
0954Y	47.27	45.42	225	CP	CIRC	
0956X	48.68	46.87	225	CP	CIRC	
0957X	48.66	45.88	375	CP	CIRC	
1001X	14.25	11.81	225	VC	CIRC	*
1001X	42.92	41.3	150	VC	CIRC	*
1002X	44.01	42.24	150	VC	CIRC	*
1002X	13.33	12.28	225	VC	CIRC	*
1003X			UNK	UNK	CIRC	*
1003X	44.35	42.49	150	VC	CIRC	*
1004X	44.59	42.98	150	VC	CIRC	
1005X	44.96	43.18	150	VC	CIRC	
1006X	47.33	46.05	150	VC	CIRC	
1007X			UNK	UNK	CIRC	
100DX			UNK	UNK	CIRC	
101DX			300	VC	CIRC	
1050X	44.53	42.19	225	CP	CIRC	
1051X	14.09	12.63	300	VC	CIRC	*
1051X	43.89	41.51	300	CP	CIRC	*
1052X	13.26	12.2	225	VC	CIRC	*
1052X	45.06	42.92	300	CP	CIRC	*
1053X	46.4	44.45	300	CP	CIRC	
1054X	47.95	45.04	300	CP	CIRC	
1101X	13.6	12.14	600	CI	CIRC	
1102X	13.85	11.52	300	VC	CIRC	
1103X	13.98	11.56	225	VC	CIRC	
1104X	13.87	11.73	225	VC	CIRC	
1105X	13.8	11.32	300	VC	CIRC	
1150X	13.62	11.63	450	CP	CIRC	*
1150X	17.6		675	CP	CIRC	*
1201X	17.78	15.53	225	VC	CIRC	*
1201X	41.53	39.94	150	VC	CIRC	*
1201X	13.36	8.77	1050	CP	CIRC	*
1202X	39.91	38.41	150	VC	CIRC	*
1202X	16.82	14.83	225	VC	CIRC	*
1202X	13.92	12.51	600	CI	CIRC	*
1203X	38.54		150	VC	CIRC	*
1203X	13.93	11.71	150	VC	CIRC	*
1204X			100	VC	CIRC	*
1204X	13.62	11.5	150	VC	CIRC	*
1205X	13.59	9.69	1050	CP	CIRC	*
1205X			100	VC	CIRC	*
120DX			UNK	UNK	CIRC	
121DX			UNK	UNK	CIRC	
1250X	16.88	14.13	675	CP	CIRC	*
1250X	42.13	40.15	225	CP	CIRC	*
1250X	13.23	11.49	450	CP	CIRC	*
1251X	18.54	17.74	225	CP	CIRC	*
1251X	41.06	39.37	225	CP	CIRC	*
1252X	40.19	38.64	225	CP	CIRC	
1253X	38.36	34.32	225	CP	CIRC	
1254X	38.45	35.41	225	CP	CIRC	
1255X	38.01	35.48	225	CP	CIRC	
1256X	38.23	36.43	225	CP	CIRC	
1301X	13.81	11.92	225	VC	CIRC	*
1301X	20.67	17.86	225	VC	CIRC	*
1301X	38.78	37.4	150	VC	CIRC	*
1302X	13.4	11.56	225	VC	CIRC	*
1302X	19.71	17.73	225	VC	CIRC	*
1302X			150	VC	CIRC	*
1303X	31.88	29.45	225	VC	CIRC	*
1303X			UNK	UNK	CIRC	*
1304X			225	VC	CIRC	*
1304X			UNK	UNK	CIRC	*
1305X			UNK	UNK	CIRC	
1306X			100	VC	CIRC	
1307X			100	VC	CIRC	
1308X			100	VC	CIRC	
131DX			UNK	UNK	CIRC	
132DX			225	VC	CIRC	
133DX			UNK	UNK	CIRC	
1350X	13.8	12.3	450	CP	CIRC	*
1350X	19.78	18.77	225	CP	CIRC	*
1350X			UNK	UNK	CIRC	*
1351X	20.69	19.79	225	CP	CIRC	*
1351X	31.77	30.23	675	CP	CIRC	*
1351X	13.59	12.08	450	CP	CIRC	*
1352X	12.92	11.88	450	CP	CIRC	*
1352X	35.76		UNK	UNK	CIRC	*
1353X			UNK	UNK	CIRC	
1354X			525	CP	CIRC	
1355X	38.74	37.28	225	CP	CIRC	
1401X	38.67	36.26	150	VC	CIRC	*
1401X	18.69	16.53	225	VC	CIRC	*
1401X	14.53	12.3	225	VC	CIRC	*
1402X	14.28	12.13	225	VC	CIRC	*
1402X	37.05	34.16	150	VC	CIRC	*
1403X	37.51	32.84	150	VC	CIRC	
1404X	34.95	31.84	225	VC	CIRC	
1405X	34.9	31.47	225	VC	CIRC	
1406X			100	VC	CIRC	
1407X			100	VC	CIRC	
140DX			UNK	UNK	CIRC	
1450X	14.03	12.4	450	CP	CIRC	*
1450X	38.79	37.04	375	CP	CIRC	*
1451X	14.08	12.84	150	VC	CIRC	*
1451X	34.65	32.65	600	CP	CIRC	*
1452X	14.48	12.7	300	VC	CIRC	*
1452X	36.98	35.03	450	CP	CIRC	*
1453X	34.76	32.23	600	CP	CIRC	*
1453X	14.13	12.66	150	VC	CIRC	*
1454X	37.43	33.42	450	CP	CIRC	
145DX			300	VC	CIRC	
1501X	15.7	13.13	225	VC	CIRC	*
1501X	41.6	38.73	150	VC	CIRC	*
1501X	17.74	16.07	225	VC	CIRC	*
1502X	18.38	16.36	225	VC	CIRC	*
1502X	40.23	37.92	150	VC	CIRC	*
1503X			UNK	UNK	CIRC	*
1503X	40.14	36.83	150	VC	CIRC	*
1505X			UNK	UNK	CIRC	
1506X			UNK	UNK	CIRC	
1507X			UNK	UNK	CIRC	
1508X			UNK	UNK	CIRC	
150DX			150	VC	CIRC	*
150DX			UNK	UNK	CIRC	*
152DX			UNK	UNK	CIRC	
153DX			UNK	UNK	CIRC	
1550X	18.89	17.12	150	VC	CIRC	*
1550X	41.54	39.45	300	CP	CIRC	*
1550X	15.85	14.16	300	VC	CIRC	*
1551X	15.4	13.67	300	VC	CIRC	*
1551X	40.14	38.59	375	CP	CIRC	*
1551X	18.34	16.87	225	VC	CIRC	*
1552X	39.77	37.65	375	CP	CIRC	*
1552X	15.77		225	VC	CIRC	*
1553X	40.79	39.51	225	VC	CIRC	
1554X	41.1	39.12	300	CP	CIRC	
1555X	41.32	39.68	225	VC	CIRC	
1556X	42.07	39.75	300	CP	CIRC	
1557X	41.41	40.06	225	VC	CIRC	
1601X	16.71	14.51	225	VC	CIRC	*
1601X	45.36	42.44	150	VC	CIRC	*
1601X	16.09	14.03	225	VC	CIRC	*
1602X			150	VC	CIRC	
1650X	16.85	14.6	300	VC	CIRC	*
1650X	43.85	42.16	225	CP	CIRC	*
1651X	45.43	43.15	300	CP	CIRC	*
1651X	17.7	15.65	225	VC	CIRC	*
1652X	43.62	42.05	225	VC	CIRC	
1653X	43.72	40.94	225	VC	CIRC	
1654X	42.9	40.6	225	VC	CIRC	
1655X	42.5	40.19	225	VC	CIRC	
1656X	42.42	41.02	225	VC	CIRC	
1657X	41.82	39.85	225	CP	CIRC	
1658X	42.76	41.07	225	CP	CIRC	
1701X	15.96	14.04	225	VC	CIRC	*
1701X			150	VC	CIRC	*
1702X	42.53	39.93	150	VC	CIRC	
1703X			UNK	UNK	CIRC	*
1703X	44.78	41.13	150	VC	CIRC	*
1704X	44.82	42.03	150	VC	CIRC	
1705X	46.09	43.71	150	VC	CIRC	
1706X	42.45	39.45	225	CP	CIRC	
1707X	45.96	43.25	150	VC	CIRC	
1708X	42.32	39.53	225	CP	CIRC	
1750X	15.49	13.15	300	VC	CIRC	*
1750X	46.06	44.31	225	CP	CIRC	*
1751X	42.36	40.57	375	CP	CIRC	
1752X	42.49	40.14	450	CP	CIRC	
1753X	44.51	42.43	300	CP	CIRC	
1754X	44.85	42.7	300	CP	CIRC	
1755X			225	CP	CIRC	
1756X	42.27	40.19	450	VC	CIRC	
1757X	42.22	40.26	375	CP	CIRC	
1801X	14.15	11.92	225	VC	CIRC	*
1801X	47.19	45.45	150	VC	CIRC	*
1802X	14.4		UNK	UNK	CIRC	*
1802X	46.41	44.62	150	VC	CIRC	*
1803X			150	VC	CIRC	*
1803X	49.02	48	150	VC	CIRC	*
1804X			150	VC	CIRC	*
1804X			UNK	UNK	CIRC	*
180DX			150	VC	CIRC	
181DX			UNK	UNK	CIRC	
1850X	46.42	45.04	225	CP	CIRC	*
1850X	15.27	13.8	225	VC	CIRC	*
1851X	14.87	13.15	225	VC	CIRC	*
1851X	47.13	45.93	225	CP	CIRC	*
1852X	48.83	47.15	225	CP	CIRC	*
1852X	14.03	12.32	300	VC	CIRC	*
1853X	48.76	47.77	225	VC	CIRC	*
1853X	14.24	12.83	225	VC	CIRC	*
1854X	48.9	47.67	225	VC	CIRC	
1855X	47.67	45.91	225	CP	CIRC	
1901X	13.52	12.2	225	VC	CIRC	*
1901X	48.28	46.98	150	VC	CIRC	*
1902X	48.39	46.7	150	VC	CIRC	*
1902X	13.68	11.91	225	VC	CIRC	*
1903X	13.25	11.53	225	VC	CIRC	*
1903X	48.31	46.35	150	VC	CIRC	*
1904X	48.46		UNK	UNK	CIRC	
1905X	49.13	46.75	150	VC	CIRC	
1906X	49.65	48.37	150	VC	CIRC	
1907X			UNK	UNK	CIRC	
1908X			UNK	UNK	CIRC	
1909X			UNK	UNK	CIRC	
190DX			UNK	UNK	CIRC	
1910X			UNK	UNK	CIRC	
191DX			UNK	UNK	CIRC	
1950X	48.76	47.85	225	CP	CIRC	*
1950X	13.23	11.85	225	VC	CIRC	*
1951X	13.78	11.56	225	VC	CIRC	*
1951X	47.54	46.52	225	CP	CIRC	*
1952X	48.24	47.36	225	CP	CIRC	
1953X	48.48		225	CP	CIRC	
1954X	48.21	46.81	225	CP	CIRC	
1955X	48.51		UNK	UNK	CIRC	
1956X	49.06	45.95	225	CP	CIRC	
1957X	49.411		UNK	UNK	CIRC	
1958X	49.7	48.78	225	VC	CIRC	
2001X	13.27	11.75	600	CI	CIRC	*
2001X	29.37	27.84	225	VC	CIRC	*
2001X	44.26	42.53	150	VC	CIRC	*
2002X	13.15	11.1	300	VC	CIRC	*
2002X	44.68	41.84	150	VC	CIRC	*
2003X	44.75	41.06	150	VC	CIRC	*
2003X	12.79		225	VC	CIRC	*
2004X			UNK	UNK	CIRC	*
2004X	44.18	40.8	150	VC	CIRC	*
2005X			UNK	UNK	CIRC	*
2005X	42.78	40.39	150	VC	CIRC	*
2006X	42.42	40.13	150	VC	CIRC	
2007X	41.67	39.56	150	VC	CIRC	
200DX			UNK	UNK	CIRC	
2050X	13.59	11.96	225	VC	CIRC	*
2050X	28.27	26.51	225	VC	CIRC	*
2050X	44.13	42.82	225	VC	CIRC	*
2051X	29.58	28.31	225	VC	CIRC	*
2051X	44.64	42.22	225	CP	CIRC	*
2051X	13.19	11.33	225	VC	CIRC	*
2052X	44.78	41.54	375	CP	CIRC	*
2052X	12.92	10.57	300	VC	CIRC	*
2053X	44.07	41.31	375	CP	CIRC	
2054X	42.81	40.88	375	CP	CIRC	
2055X	42.46	40.38	375	CP	CIRC	
2056X	41.59	40.19	375	CP	CIRC	
2101X	13.39	11.28	225	VC	CIRC	
2102X			UNK	UNK	CIRC	
2103X			UNK	UNK	CIRC	
210DX			UNK	UNK	CIRC	
2150X	30.84	28.52	225	VC	CIRC	*
2150X	13.41	11.4	225	VC	CIRC	*
2151X	13.69	11.81	225	VC	CIRC	*
2151X	30.74	29.53	225	VC	CIRC	*
2157X	15		675	CP	CIRC	
2201X	12.29	8.5	1050	CP	CIRC	*
2201X	15.89	13.82	150	VC	CIRC	*
2201X	41.85	37.37	150	VC	CIRC	*
2202Y	15.27	13.16	150	VC	CIRC	*
2202X			150	VC	CIRC	*
2202X	15.27	12.97	150	VC	CIRC	*
2202X	12.92	10.98	300	VC	CIRC	*
2203X	13.35	12.03	225	VC	CIRC	*
2203X			UNK	UNK	UNK	*
2203X	16	14.1	150	VC	CIRC	*
2204X	15.17	12.9	225	VC	CIRC	
2250X	12.9	11.45	750	CP	CIRC	*
2250X	40.11	37.74	225	CP	CIRC	*
2251X	13.18	11.34	750	CP	CIRC	*
2251X	41.83		375	CP	CIRC	*
2252X			375	CP	CIRC	
2301X	12.87	11.1	300	VC	CIRC	*
2301X	17.06	15.21	225	VC	CIRC	*
2301X	30.49	26.89	225	VC	CIRC	*
2302X	35.7	32.47	150	VC	CIRC	*
2302X	16.07	13.27	225	VC	CIRC	*
2303X	36.08	32.86	150	VC	CIRC	
2304X			100	VC	CIRC	*
2304X			UNK	VC	CIRC	*
2305X			UNK	VC	CIRC	
2350X	30.3	27.61	675	CP	CIRC	*
2350X	13.18	11.77	600	CP	CIRC	*
2351X	13.05	12.32	225	VC	CIRC	*
2351X	35.78	32.57	300	CP	CIRC	*
2352X	36.06	32.91	225	CP	CIRC	
2401X	13.88	11.9	225	VC	CIRC	*
2401X	17.14	16.06	225	VC	CIRC	*
2401X	38.67	36.5	150	VC	CIRC	*
2402X	37.18	34.02	150	VC	CIRC	*
2402X	17.86	16.45	225	VC	CIRC	*
2402X	13.41	11.64	225	VC	CIRC	*
2403X	34.46	32.58	225	VC	CIRC	
2404X	34.13	32.2	225	VC	CIRC	
2405X			OTHER	VC	CIRC	
2406X			UNK	UNK	CIRC	
2407X			UNK	UNK	CIRC	
2408X			UNK	UNK	CIRC	
2409X			UNK	UNK	CIRC	
2410X			UNK	UNK	CIRC	
2411X			UNK	UNK	CIRC	
2450X	38.49	37.07	225	CP	CIRC	*
2450X	15.12	13.13	225	VC	CIRC	*
2451X	37.33	34.81	300	CP	CIRC	
2452X	36.47	35.09	225	CP	CIRC	
2453X	34.1	32.17	450	CP	CIRC	
2454X	34.38	32.56	450	CP	CIRC	
2501X	15.68	13	225	VC	CIRC	*
2501X			UNK	UNK	CIRC	*
2502X	15.27	12.67	225	VC	CIRC	*
2502X			UNK	UNK	CIRC	*
2503X			UNK	UNK	CIRC	
2504X			UNK	UNK	CIRC	
2505X			UNK	UNK	CIRC	
2507X			UNK	UNK	CIRC	
252DX			UNK	UNK	CIRC	
253DX			UNK	UNK	CIRC	
254DX			UNK	UNK	CIRC	
2550X	15.85	14.12	225	VC	CIRC	*
2550X	38.87	37.45	225	CP	CIRC	*
2551X	15.55		225	VC	CIRC	
2552X	15.44		225	VC	CIRC	
2553X	15.57	13.49	225	VC	CIRC	
25ADX			UNK	UNK	CIRC	
25DDX			UNK	UNK	CIRC	
25EDX			UNK	UNK	CIRC	
2601X			UNK	UNK	CIRC	*
2601X	15.97		UNK	UNK	CIRC	*
2601X	16.65	14.59	225	VC	CIRC	*
2602X	16.04	13.94	225	VC	CIRC	*
2602X			UNK	UNK	CIRC	*
2602X	17.34	15.68	225	VC	CIRC	*
2603X			UNK	UNK	CIRC	*
2603X	16.86	14.72	225	VC	CIRC	*
2604X	18.22	16.17	150	VC	CIRC	*
2604X			UNK	UNK	UNK	*
2605X	17.59	15.79	150	VC	CIRC	*
2605X			UNK	UNK	UNK	*
260DX			UNK	UNK	CIRC	
261DX			UNK	UNK	CIRC	
262DX			UNK	UNK	CIRC	
2650X	16.1	13.41	300	VC	CIRC	*
2650X	41.51	39.59	300	CP	CIRC	*
2650X	16.22	14.87	225	VC	CIRC	*
2651X	16.84	14.97	300	VC	CIRC	*
2651X	16.64	14.61	225	VC	CIRC	*
2651X	42.05	40.75	225	VC	CIRC	*
2652X	41.24	39.87	225	VC	CIRC	*
2652X	17.38	16.13	225	VC	CIRC	*
2652X	15.58	13.48	750	CP	CIRC	*
2653X	18.24	16.54	900	GRC	CIRC	*
2653X	16.32	13.98	750	CP	CIRC	*
2654X	18.11	16.24	225	GRC	CIRC	
26BDX			UNK	UNK	CIRC	
26CDX			UNK	UNK	CIRC	
26EDX			UNK	UNK	UNK	
26FDX			UNK	UNK	CIRC	
2701X	15.16	13.18	300	VC	CIRC	*
2701X	19.61	17.64	150	VC	CIRC	*
2701X	41.29	38.28	150	VC	CIRC	*
2702X	14.93	12.93	300	VC	CIRC	*
2702X	18.61	15.93	150	VC	CIRC	*
2702X			150	VC	CIRC	*
2703X			150	VC	CIRC	
2704X			100	VC	CIRC	
2706X			UNK	UNK	CIRC	
270DX			150	VC	CIRC	
271DX			100	VC	CIRC	
272DX			100	VC	CIRC	
2750X	14.91	12.09	450	CP	CIRC	*
2750X	41.36	38.97	300	CP	CIRC	*
2750X	19.64	16.81	900	GRC	CIRC	*
2751X	15.08	12.22	450	CP	CIRC	*
2751X	18.64	16.637	900	GRC	CIRC	*
2752X	18.58	16.34	900	GRC	CIRC	
2801X	43.47	42.35	150	VC	CIRC	*
2801X	22.9	21.27	150	VC	CIRC	*
2801X	14.17	12.26	225	VC	CIRC	*
2802X	14.37	12.88	225	VC	CIRC	*
2802X	44.41	42.78	150	VC	CIRC	*
2803X	44.61	42.99	150	VC	CIRC	
2804X	45.41	43.64	150	VC	CIRC	
2805X	41.88	38.3	225	CP	CIRC	
2806X	42.3	38.69	225	CP	CIRC	
2807X	43	38.94	225	CP	CIRC	
2808X	43.41	39.1	225	CP	CIRC	
2850X	14.31	12.5	225	VC	CIRC	*
2850X	45.32		225	CP	CIRC	*
2851X	13.94	11.38	450	CP	CIRC	*
2851X	44.3	42.56	300	CP	CIRC	*
2852X	44.69	42.67	300	CP	CIRC	
2853X	43.35	42.38	375	CP	CIRC	
2854X	41.93	39.21	450	CP	CIRC	
2855X	42.47	39.4	450	CP	CIRC	
2856X	43.26	39.69	450	CP	CIRC	
2857X	43.82	39.96	450	CP	CIRC	
2901X	13.24	11.52	225	VC	CIRC	*
2901X	45.46		150	VC	CIRC	*
2901X			UNK	UNK	CIRC	*
2902X	12.64	10.9	300	VC	CIRC	*
2902X	45.36	41.63	150	VC	CIRC	*
2903X	12.66	10.87	300	VC	CIRC	*
2903X	43.99	41.89	150	VC	CIRC	*
2904X	43.6	42.01	150	VC	CIRC	*
2904X	12.88	11.26	225	VC	CIRC	*
290DX			UNK	UNK	CIRC	
2950X	45.48		375	CO	CIRC	*
2950X	26.95	25.34	225	VC	CIRC	*
2950X	12.82	10.38	300	VC	CIRC	*
2951X	45.32	42.05	375	CP	CIRC	*
2951X	12.87	10.12	750	CP	CIRC	*
2951X	23.01	20.16	900	GRC	CIRC	*
2952X	44.17	42.17	375	CP	CIRC	*
2952X	13.3	11.23	225	VC	CIRC	*
2953X	13.34	11.41	300	VC	CIRC	*
2953X	43.68	42.27	375	CP	CIRC	*
3001X	44.17		UNK	UNK	CIRC	*
3001X	12.72	10.84	225	VC	CIRC	*
3001X	29.83	27.48	225	VC	CIRC	*
3001X	40.55	38.41	150	VC	CIRC	*
3002X	43.78	40.35	225	VC	CIRC	*
3002X	39.49	35.77	225	CP	CIRC	*
3002X	27.99	25.82	225	VC	CIRC	*
3003X	12.22		300	VC	CIRC	*
3003X		24.06	150	UNK	CIRC	*
3004X			UNK	UNK	CIRC	*
3004X			UNK	UNK	CIRC	*
3004X			225	CP	CIRC	*
3005X	33.25	29.01	225	CP	CIRC	*
3005X			UNK	UNK	CIRC	*
3005X			UNK	UNK	CIRC	*
3006X			UNK	UNK	CIRC	*
3006X			UNK	UNK	CIRC	*
3007X			UNK	UNK	CIRC	
3008X			UNK	UNK	CIRC	
300DX			UNK	UNK	CIRC	
301DX			UNK	UNK	CIRC	*
301DX			UNK	UNK	CIRC	*
302DX			UNK	UNK	CIRC	*

LINE STYLES / COLOURS

Brown	Foul
	Foul Syphon Sewer
	Foul Vacuum Main
	Foul Rising Main
Red	Combined
	Combined Syphon Sewer
	Combined Rising Main
	Lateral Drain
Orange	Building Over Agreement Area
Dark Blue	Treated Effluent
Purple	Sludge
	Sewer Catchment
	Section 104 Area
Light Blue	Surface Water
	Surface Water Rising Main
Yellow	Private
Green	Access Shaft
	Decommissioned

MATERIALS

AK	Alkathene
BAC	Bonded Asbestos Cement
BRC	Brick (Common)
BRE	Brick (Engineering)
CC	Concrete Box Culvert
CI	Cast Iron
CO	Concrete (In-Situ)
CP	Concrete (Pre-Cast)
CSB	Concrete Segments (bolted)
CSU	Concrete Segments (unbolted)
DI	Ductile Iron
GRC	Glass Reinforced Concrete
GRP	Glass Reinforced Plastic
MAC	Masonry in regular Courses
MAR	Masonry in random Courses
PE	Polyethylene
PF	Pitch Fibre
PP	Polypropylene
PVC	Polyvinyl Chloride
RPM	Reinforced Plastic Matrix
SI	Spun Iron
ST	Steel
VC	Vitrified Clay
XXX	Other
ZZZ	Unknown

WARNING: BAC pipes are constructed of Bonded Asbestos Cement

LEGEND - SEWERS

Manhole (SW)
Manhole (F&C)
Lamp hole (SW)
Lamp hole (F&C)
Pumping Station (SW)
Pumping Station (F&C)
Side entry manhole (SW)
Side entry Manhole (F&C)
Blind shaft (SW)
Blind shaft (F&C)
Ejector station (SW)
Ejector station (F&C)
Watertight door (SW)
Watertight door (F&C)
Flushing ch. Mn-e (SW)
Flushing ch. Mn-e (F&C)
Flushing ch. No-e (SW)
Flushing ch. No-e (F&C)
Demarcation Chamber

Washout (SW)
Washout (F&C)
Rodding Eye (SW)
Rodding Eye (F&C)
Gauging point (SW)
Gauging point (F&C)
Intercept chamber (SW)
Intercept chamber (F&C)
Storm Tank (SW)
Storm Tank (F&C)
Vortex chamber (SW)
Vortex chamber (F&C)
Label ellipse
Dummy/S24 manhole
Outfall
Penstock chamber
Damboards
Storm Overflow
Backdrop manhole

Other (s)
Other
Change in sewer (s)
Change in sewer
Reflux valve
Flap valve
Cascade
Anode
Valve
Closed Valve
Air Valve
Hatch box (SW)
Hatch box (F&C)
Direction arrow
Emptying valve
Catchpit
Soakaway
Inlet
Balancing Pond

Wastewater treatment works
Marine treatment works
Outfall headworks
Vent
Vent column
Tidal storage tank
Blank end
Head of Public Sewer
Micro Pumping Station

SHAPES (S)

A	Arched	R	Rectangular
B	Barrel	S	Square
C	Circular	T	Trapezoidal
E	Egg	U	U Shape
H	Horseshoe	X	Other

NODE REFERENCING SYSTEM

1st digit:	hundred metre easting identifier
2nd digit:	hundred metre northing identifier
3rd digit:	sewer type identifier 0-4 = Foul/Combined 5-9 = Surface Water
4th digit:	next sequential node

WARNING: Unknown (UNK) materials may include Bonded Asbestos Cement

O.S. Ref.	SU6908SW	Drawn by:	rohandas
Scale:	1:2500	Date:	29/01/2020

Title: 368391_Hulbert Road, Havant, W

N

Southern Water

The information contained on this plan is provided as a guide to the approximate position of existing public sewers. The accuracy thereof cannot be guaranteed.

THIS INFORMATION MUST BE TREATED WITH CAUTION AND THE ACTUAL POSITION OF THE PUBLIC SEWERS MUST BE ESTABLISHED ON SITE, IN ALL CASES.

Southern Water must be informed before lifting manhole covers or excavating trial holes.

Based upon Ordnance Survey Digital Data with the permission of the controller of H.M.S.O. Crown Copyright Reserved Licence No. WU 298530.