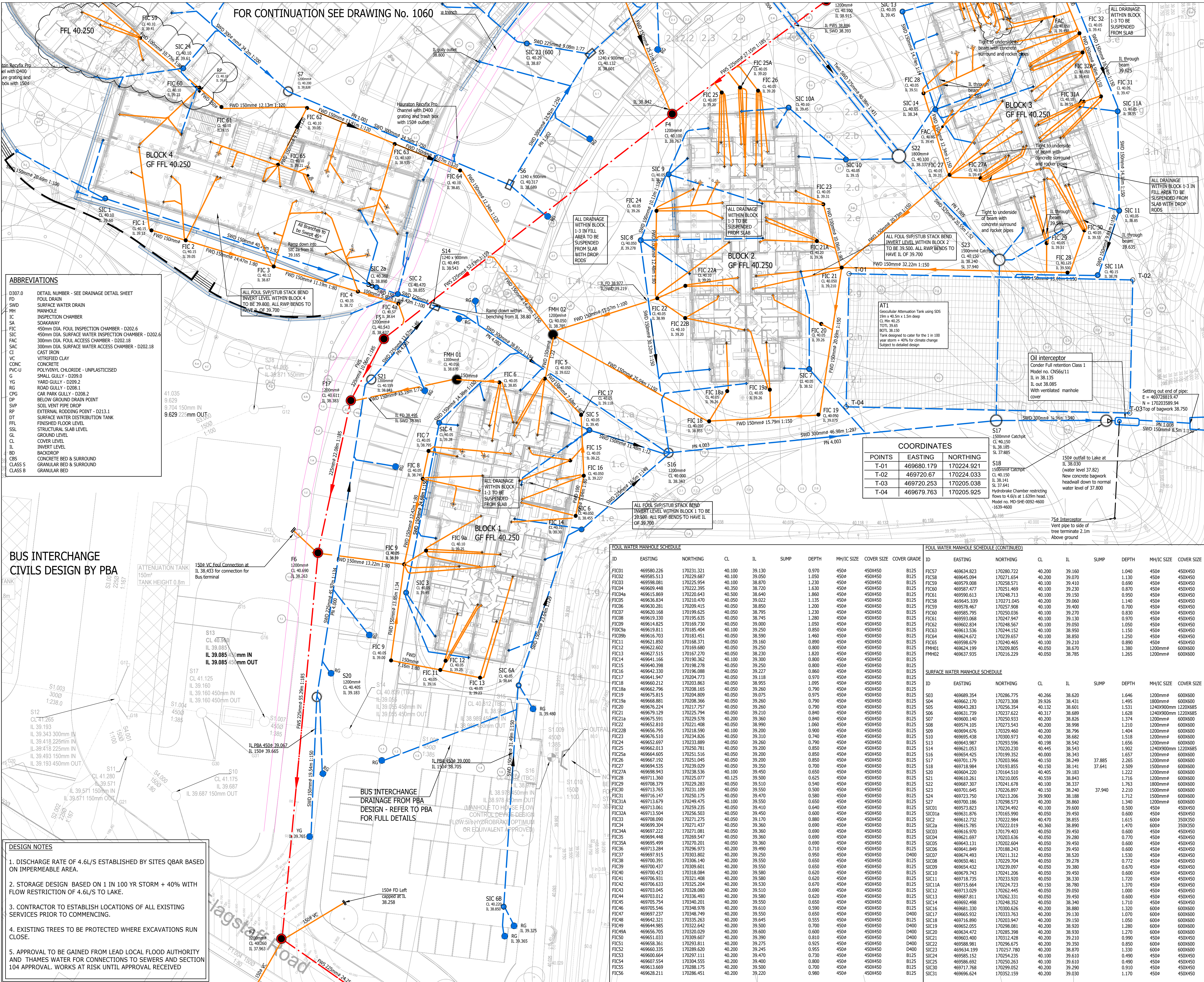




- GENERAL NOTES**
- The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non intrusive observations, record drawings or the like. The contractor shall safely carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. Any discrepancies shall be notified to gta prior to works commencing.
 - Tender or billing drawings shall not be used for construction or the ordering of materials.
 - Do not scale. All dimensions and levels to be site confirmed.
 - This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements.
 - Copyright: This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.
 - All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Clients risk. gta hold no responsibility for resuting abortive works or costs.

KEY

- Existing Foul Drainage
- Existing Storm Drainage
- Adoptable Storm Drainage S104
- Adoptable Foul Drainage S104
- Private Storm Drainage
- Private Foul Drainage
- Adoptable Foul Sewer Manhole
- Adoptable Foul Sewer Manhole - Type 3
- Adoptable Storm Sewer Manhole - Type 3
- Adoptable Storm Sewer Manhole - Type 3
- Manholes fitted with Backdrop Connection
- 450mm Foul Plastic Inspection Chamber
- 450mm Storm Plastic Inspection Chamber
- 300mm Foul Water Access Chamber
- Foul Water Roding Point
- Storm Water Roding Point
- Foul Drain connection to SWP/S
- Rain Water Pipe 100p unless noted otherwise
- Private Road Gully
- Private Yard Gully
- Channel Drain
- Direction of Fall

FOR SPECIFICATION NOTES, REFER TO DRAWING 1060

REFER TO DRAWING 1070, 1071 & 1072 FOR DRAINAGE DETAILS RELATIVE TO ALL PRIVATE DRAINAGE

BUS INTERCHANGE CIVILS DESIGN BY PBA

- DESIGN NOTES**
- DISCHARGE RATE OF 4.6L/S ESTABLISHED BY SITES QBAR BASED ON IMPERMEABLE AREA.
 - STORAGE DESIGN BASED ON 1 IN 100 YR STORM + 40% WITH FLOW RESTRICTION OF 4.6L/S TO LAKE.
 - CONTRACTOR TO ESTABLISH LOCATIONS OF ALL EXISTING SERVICES PRIOR TO COMMENCING.
 - EXISTING TREES TO BE PROTECTED WHERE EXCAVATIONS RUN CLOSE.
 - APPROVAL TO BE GAINED FROM LEAD LOCAL FLOOD AUTHORITY AND THAMES WATER FOR CONNECTIONS TO SEWERS AND SECTION 104 APPROVAL. WORKS AT RISK UNTIL APPROVAL RECEIVED

FOUL WATER MANHOLE SCHEDULE									
ID	EASTING	NORTHING	CL	IL	SUMP	DEPTH	MH/C SIZE	COVER SIZE	COVER GRADE
F1001	469580.226	170231.321	40.100	39.130	0.970	450x	450x450	B125	
F1002	469585.513	170229.687	40.100	39.050	1.050	450x	450x450	B125	
F1003	469598.081	170225.954	40.100	38.870	1.230	450x	450x450	B125	
F1004	469609.448	170222.395	40.350	38.720	1.630	450x	450x450	B125	
F1005	469615.869	170221.643	40.500	38.640	1.860	450x	450x450	B125	
F1006	469636.834	170210.470	40.350	39.022	1.135	450x	450x450	B125	
F1007	469630.281	170209.415	40.050	38.850	1.200	450x	450x450	B125	
F1008	469620.168	170199.625	40.050	38.795	1.230	450x	450x450	B125	
F1009	469619.130	170195.635	40.050	38.745	1.280	450x	450x450	B125	
F1010	469614.825	170169.730	40.050	39.000	1.050	450x	450x450	B125	
F1011	469619.811	170185.404	40.100	39.250	0.850	450x	450x450	B125	
F1012	469616.703	170183.451	40.050	38.590	1.460	450x	450x450	B125	
F1013	469621.850	170168.371	40.050	38.510	0.890	450x	450x450	B125	
F1014	469622.602	170169.680	40.050	39.250	0.800	450x	450x450	B125	
F1015	469627.515	170167.270	40.050	38.230	1.820	450x	450x450	B125	
F1016	469641.166	170190.362	40.100	39.300	0.800	450x	450x450	B125	
F1017	469640.398	170190.278	40.050	39.250	0.800	450x	450x450	B125	
F1018	469642.330	170196.088	40.050	39.227	0.860	450x	450x450	B125	
F1019	469641.947	170204.773	40.050	39.118	0.970	450x	450x450	B125	
F1020	469660.212	170203.863	40.050	38.955	1.095	450x	450x450	B125	
F1021	469662.796	170201.045	40.050	38.905	0.790	450x	450x450	B125	
F1022	469675.815	170204.809	40.050	39.075	0.955	450x	450x450	B125	
F1023	469668.881	170208.366	40.050	39.260	0.790	450x	450x450	B125	
F1024	469676.224	170217.757	40.050	39.260	0.790	450x	450x450	B125	
F1025	469679.130	170225.794	40.050	39.260	0.840	450x	450x450	B125	
F1026	469675.591	170229.578	40.200	39.360	0.840	450x	450x450	B125	
F1027	469652.810	170221.408	40.050	38.990	1.060	450x	450x450	B125	
F1028	469656.795	170218.590	40.100	39.200	0.900	450x	450x450	B125	
F1029	469676.510	170234.825	40.050	39.310	0.790	450x	450x450	B125	
F1030	469652.697	170233.889	40.050	39.260	0.790	450x	450x450	B125	
F1031	469662.013	170250.781	40.050	39.200	0.850	450x	450x450	B125	
F1032	469664.605	170251.516	40.050	39.200	0.850	450x	450x450	B125	
F1033	469667.192	170251.045	40.050	39.200	0.850	450x	450x450	B125	
F1034	469664.533	170239.029	40.050	39.350	0.700	450x	450x450	B125	
F1035	469698.943	170238.536	40.100	39.450	0.650	450x	450x450	B125	
F1036	469711.360	170225.077	40.125	39.500	0.625	450x	450x450	B125	
F1037	469708.379	170228.283	40.050	39.500	0.625	450x	450x450	B125	
F1038	469713.765	170231.109	40.050	39.550	0.500	450x	450x450	B125	
F1039	469716.147	170250.175	40.050	39.470	0.580	450x	450x450	B125	
F1040	469713.679	170249.475	40.100	39.550	0.580	450x	450x450	B125	
F1041	469713.061	170259.235	40.050	39.450	0.600	450x	450x450	B125	
F1042	469713.504	170256.503	40.050	39.450	0.600	450x	450x450	B125	
F1043	469708.090	170271.275	40.050	39.170	0.480	450x	450x450	B125	
F1044	469699.304	170271.437	40.050	39.360	0.690	450x	450x450	B125	
F1045	469697.252	170271.081	40.050	39.360	0.690	450x	450x450	B125	
F1046	469694.488	170269.547	40.050	39.360	0.690	450x	450x450	B125	
F1047	469695.499	170270.201	40.050	39.360	0.690	450x	450x450	B125	
F1048	469713.284	170296.973	40.200	39.490	0.710	450x	450x450	B125	
F1049	469697.754	170303.802	40.200	39.550	0.590	450x	450x450	B125	
F1050	469700.391	170306.140	40.200	39.550	0.650	450x	450x450	B125	
F1051	469700.437	170309.601	40.200	39.550	0.650	450x	450x450	B125	
F1052	469704.423	170318.084	40.200	39.580	0.620	450x	450x450	B125	
F1053	469706.931	170321.408	40.200	39.580	0.620	450x	450x450	B125	
F1054	469706.633	170325.204	40.200	39.530	0.670	450x	450x450	B125	
F1055	469703.045	170328.080	40.200	39.510	0.690	450x	450x450	B125	
F1056	469703.012	170336.493	40.200	39.580	0.620	450x	450x450	B125	
F1057	469705.754	170340.201	40.200	39.550	0.650	450x	450x450	B125	
F1058	469705.546	170348.798	40.200	39.610	0.590	450x	450x450	B125	
F1059	469697.237	170348.749	40.200	39.550	0.650	450x	450x450	B125	
F1060	469642.321	170335.263	40.200	39.645	0.555	450x	450x450	B125	
F1061	469644.985	170332.642	40.200	39.500	0.700	450x	450x450	B125	
F1062	469656.705	170320.029	40.200	39.600	0.600	450x	450x450	B125	
F1063	469651.033	170309.607	40.200	39.390	0.810	450x	450x450	B125	
F1064	469658.361	170293.811	40.200	39.275	0.925	450x	450x450	B125	
F1065	469660.338	170289.620	40.200	39.500	0.950	450x	450x450	B125	
F1066	469660.664	170297.111	40.200	39.470	0.730	450x	450x450	B125	
F1067	469667.554	170304.555	40.200	39.400	0.800	450x	450x450	B125	
F1068	469613.669	170288.175	40.200	39.500	0.700	450x	450x450	B125	
F1069	469628.211	170286.451	40.200	39.220	0.980	450x	450x450	B125	

FOUL WATER MANHOLE SCHEDULE (CONTINUED)									
ID	EASTING	NORTHING	CL	IL	SUMP	DEPTH	MH/C SIZE	COVER SIZE	COVER GRADE
F1057	469634.823	170280.722	40.200	39.160		1.040	450x	450x450	B125
F1058	469645.094	170271.654	40.200	39.070		1.130	450x	450x450	B125
F1059	469579.008	170258.571	40.100	39.410		0.690	450x	450x450	B125
F1060	469587.477	170251.469	40.100	39.230		0.870	450x	450x450	B125
F1061	469599.613	170248.713	40.100	39.150		0.950	450x	450x450	B125
F1062	469645.339	170257.045	40.200	39.060		1.140	450x	450x450	B125
F1063	469578.467	170257.036	40.100	39.400		0.700	450x	450x450	B125
F1064	469585.795	170250.036	40.100	39.270		0.830	450x	450x450	B125
F1065	469593.068	170247.947	40.100	39.150		0.970	450x	450x450	B125
F1066	469602.834	170248.567	40.100	39.050		1.050	450x	450x450	B125
F1067	469613.536	170244.152	40.100	38.950		1.150	450x	450x450	B125
F1068	469624.672	170239.567	40.100	38.850		1.250	450x	450x450	B125
F1069	469598.679	170240.465	40.100	38.750		0.890	450x	450x450	B125
FM001	469624.199	170239.805	40.050	38.670		1.380	1200mm	600x600	D400
FM002	469637.935	170216.229	40.050	38.785		1.265	1200mm	600x600	D400

SURFACE WATER MANHOLE SCHEDULE									
ID	EASTING	NORTHING	CL	IL	SUMP	DEPTH	MH/C SIZE	COVER SIZE	COVER GRADE
S03	469689.354	170286.775	40.266	38.620		1.646	1200mm	600x600	D400
S04	469662.170	170273.308	39.926	38.431		1.495	1800mm	600x600	D400
S05	469643.283	170256.354	40.132	38.601		1.531	1240x900mm	1220x685	D400
S06	469631.739	170237.522	40.317	38.689		1.628	1240x900mm	1220x685	D400
S07	469600.140	170250.933	40.200	38.826		1.374	1200mm	600x600	D400
S08	469574.105	170273.543	40.200	38.998		1.210	1200mm	600x600	D400
S09	469694.676	170239.460	40.200	38.796		1.404	1200mm	600x600	D400
S10	469656.438	170200.973	40.200	38.682		1.518	1200mm	600x600	D400
S11	469643.987	170293.596	40.198	38.542		1.656	1200mm	600x600	D400
S12	469621.053	170220.230	40.445	38.543		1.902	1240x900mm	1220x685	D400
S13	469654.425	170199.352	40.000	38.343		1.657	1200mm	600x600	D400
S14	469701.179	170203.466	40.150	38.249	37.885	2.265	1200mm	600x600	C250
S15	469718.984	170193.855	40.150	38.141	37.641	2.509	1500mm	600x600	C250
S16	469604.220	170164.510	40.405	39.183		1.222	1200mm	600x600	C250
S17	469610.261	170210.005	40.559	38.843		1.716	1200mm	600x600	D400
S18	469687.307	170214.078	40.559	38.763	37.940	1.763	1800mm	600x600	C250
S19	469701.645	170226.897	40.150	38.240		1.210	1500mm	600x600	C250
S20	469712.750	170230.188	39.900	38.188		1.615	600x	350x350	D400
S21	469700.186	170288.573	40.200	38.860		1.342	1200mm	600x600	D400
S22	4696573.823	170234.492	40.100	39.600		0.500	450x	450x450	B125
S23	469631.878	170165.590	40.100	39.500		0.600	450x	450x450	B125
S24	469617.732	170222.984	40.070	38.855		0.600	450x	450x450	B125
S25	469615.785	170222.019	40.360	38.890		1.470	600x	350x350	B125
S26	469616.970	170179.403	40.050	39.450		0.600	450x	450x450	B125
S27	469621.897	170203.638	40.050	39.280		0.770	450x	450x450	B125
S28	469641.111	170239.004	40.050	39.450		0.600	450x	450x450	B125
S29	469641.849	170188.243	40.050	39.450		0.600	450x	450x450	B125
S30	469674.493	170221.712	40.050	39.278		1.530	450x	450x450	B125
S31	469650.461	170219.304	40.050	38.750		0.772	450x	450x450	B125
S32	469653.432	170239.097	40.050	39.380		0.670	450x	450x450	B125
S33	469679.743	170241.206	40.050	39.450		0.600	450x	450x450	B125
S34	469718.735	170233.920	40.050	38.330		1.720	450x	450x450	B125
S35	469713.564	170224.723	40.150	38.780		1.370	450x	450x450	B125
S36	469713.029	170232.445	40.150	38.650		1.050	450x	450x450	B125
S37	469687.811	170262.331	40.050	39.450		0.600	450x	450x450	B125
S38	469682.498	170248.352	40.050	38.340		1.710	450x	450x450	B125
S39	469691.330	170300.626	40.200	38.880		1.320	600x	400x400	D400
S40	469652.932	170323.763	40.200	39.130		1.000	600x	400x400	D400
S41	469716.890	170203.947	40.200	39.150		1.050	600x	400x400	B125
S42	469652.055	170298.081	40.200	38.920		1.280	600x	400x400	B125
S43	469638.472	170285.398	40.200	39.320		1.270	600x	400x400	D400
S44	469603.400	170213.428	40.200	39.210		0.950	450x	450x450	D400
S45	469598.981	170206.675	40.200	39.300		0.950	450x	450x450	D400
S46	469634.199	170257.780	40.200	38.870		1.330	600x	400x400	D400
S47	469585.152	170254.235	40.100	39.610		0.490	450x	450x450	B125
S48	469586.692	170250.263	40.100	39.610		0.490	450x	450x450	B125
S49	469717.768	170209.052	40.200	39.290		0.950	450x	450x450	B125
S50	469696.624	170352.159	40.200	39.030		1.170	450x	450x450	B125