

APPENDIX 6A

DEVELOPMENT SCHEDULE

Development Schedule

Version: July 9, 2001

A1	A2	Sewerage		Use	YEAR	POP	Unit Flow				Community			Total Empl	Empl Flow (m³/d)	Total Flow (m³/d)	
		Sub-catchment	Zoning				Factor (l/p/d)	Domestic Flow (m³/d)	Kindy PS & SS Studs	Education Flow (m³/d)	Retail Empl	& Personal Svc	Education Empl				Other Empl
1	A	A	E	PS	2005					975	24.38			88	88	31	55
1	A	A	E	SS	2005					-	1,350	33.75		73	73	25	59
1	A	A	R1(RS)	PRH	2005	12,810	240	3,074	420	10.50	40	893	23	1,011	354	3,439	
1	B	A1	E	PS	2005					975	24.38			44	44	16	40
1	B	A1	E	SS	2005					-	1,350	33.75		73	73	25	59
1	B	A1	R1(RS)	PRH	2005	23,804	240	5,713	420	10.50	10	1,611	23	1,751	613	6,336	
1	C	A1	E	PS	2005					975	24.38			44	44	16	40
1	C	A1	E	PS	2005					975	24.38			44	44	16	40
1	C	A1	E	SS	2005					-	1,350	33.75		73	73	26	59
1	C	A1	R1(HOS)	HOS	2005	16,442	240	3,946	420	10.50	10	1,195	23	1,205	422	4,378	
1	D	A	R1(HOS)	HOS	2005	14,899	240	3,576	420	10.50	1,850	1,334	23	2,549	892	4,478	
1	E	A	E	PS	2005					975	24.38			44	44	16	40
1	E	A	E	SS	2005					-	1,350	33.75		73	73	25	59
1	E	A	E	SS	2005					-	1,350	33.75		73	73	25	59
1	E	A	R1	R1	2015	9,596	240	2,303	420	10.50	1,599	694	23	2,317	811	3,124	
1	G	A	GIC	POL	2005					-	-	-	-	850	850	298	298
1	K	B	OU	R1	2014	4,659	240	1,118	420	10.50	497	370	23	1,544	540	1,669	
1	L	B	E	SV	2013					-	4,650	116.25		234	234	82	198
1	L	B	GIC	STD	2012					-	-	-	-	346	346	121	1,621
1	P	C	E	SV	2011					-	4,650	116.25		234	234	82	198
2	A	B	E	PS	2014					975	24.38			44	44	16	40
2	A	B	E	PS	2014					975	24.38			44	44	16	40
2	A	B	E	SS	2014					-	1,350	33.75		73	73	25	59
2	A	B	OU	R1	2015	18,667	240	4,480	420	10.50	2,059	1,418	23	3,735	1,307	5,798	
2	B	B	E	PS	2006					975	24.38			44	44	16	40
2	B	B	E	SS	2006					-	1,350	33.75		73	73	25	59
2	B	B	R1	R1	2006	3,470	240	833	-	-	875	294	-	1,150	403	1,235	
2	C	C	R1	R1	2008	5,316	240	1,276	420	10.50	1,095	386	23	1,731	606	1,892	
2	D	C	R1	R1	2007	6,226	240	1,494	-	-	1,249	419	-	2,064	722	2,217	
2	E	C	R1	R1	2006	3,135	240	752	-	-	682	229	-	1,039	364	1,116	
2	F	C	R1	R1	2006	3,734	240	896	-	-	700	248	-	1,200	420	1,316	
3	A	C	R1	R1	2016	1,659	240	398	-	-	811	173	-	389	136	534	
3	B	C	R2	R2	2016	3,386	300	1,016	-	-	170	229	-	793	278	1,293	
3	C	C	R2	R2	2016	1,335	300	401	-	-	82	110	-	385	135	535	
3	D	C	R2	R2	2016	1,559	300	468	-	-	95	128	-	449	157	625	
3	E	D	R2	R2	2016	1,291	300	387	-	-	85	114	-	372	130	518	
3	F	D	R2	R2	2016	1,455	300	437	-	-	96	129	-	419	147	583	
3	G	E	R2	R2	2018	1,093	300	328	-	-	84	113	-	315	110	438	
3	H	E	R2	R2	2018	1,143	300	343	-	-	87	118	-	329	115	458	
3	J	E	R2	R2	2018	1,488	300	446	-	-	93	125	-	429	150	597	
3	K	E	E	PS	2018					-	-	-	-	-	-	-	-
3	K	E	R1	R1	2018	3,362	240	807	420	10.50	151	203	22	1,114	390	1,207	
3	M	E	E	SS	2018					-	1,350	33.75		44	44	15	49
3	M	E	R1	R1	2018	2,128	240	511	-	-	130	175	-	672	235	746	
3	N	D	R1	R1	2016	3,264	240	783	420	10.50	187	252	22	1,044	365	1,159	
3	P	D	R1	R1	2016	2,067	240	496	-	-	138	185	-	685	240	736	
3	Q	D	E	PS	2016					975	24.38			44	44	16	40
3	Q	D	E	SS	2016					-	1,350	33.75		73	73	25	59
3	Q	D	R1	R1	2016	3,542	240	850	-	-	281	378	-	1,141	399	1,449	

A1	A2	Sewerage		Use	YEAR	POP	Unit Flow				Community				Empl Flow (m ³ /d)	Total Flow (m ³ /d)	
		Sub-catchment	Zoning				Factor (l/p/d)	Domestic Flow (m ³ /d)	Kindy PS & SS Studs	Education Flow (m ³ /d)	Retail Empl	& Personal Svc	Education Empl	Other Empl			Total Empl
3	R	D	R1	R1	2016	3,523	240	846	420	10,50	605	254	22	829	290	1,146	
3	S	D	R1	R1	2016	2,317	240	556	-	-	441	185	-	568	199	755	
3	T	D	C	C	2016	3,663	-	-	-	-	1,766	-	-	5,490	7,318	2,561	
3	U	D	R1	R1	2016	-	240	-	-	-	869	265	-	-	-	-	
3	V	D	R1	R1	2016	4,935	240	1,184	-	-	292	393	-	1,209	423	1,608	
3	X	D	E	PS	2016	-	-	-	975	24,38	-	-	44	44	16	40	
3	X	D	R1	R1	2016	-	240	-	-	-	121	163	-	-	-	-	
3	X	D	E	SS	2016	-	-	-	975	24,38	-	-	73	73	26	50	
3	Y	D	E	PS	Existing	-	-	-	975	24,38	-	-	-	-	-	24	
3			OS	Metro Pk	2017	-	-	-	-	-	-	-	100	100	35	660	
						165,968		39,718	37,770	944	17,248	12,781	1,904	6,786	42,707	14,947	57,735

To To Kwa Wan PTW

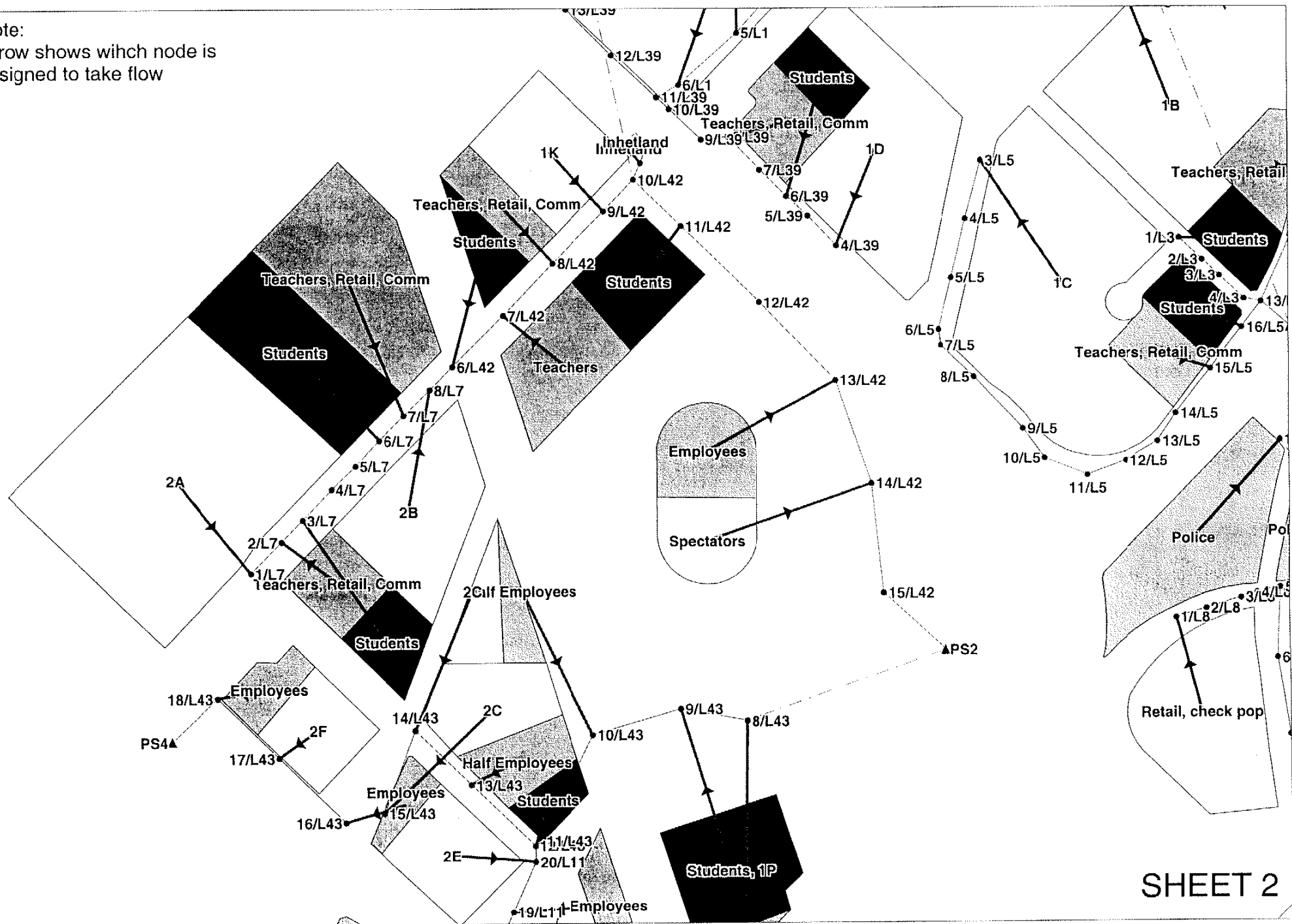
A1	A2	Sewerage Sub-catchment	Zoning	Use	YEAR	POP	Unit Flow Factor				Retail Empl	Community & Personal Svc	Education Empl	Other Empl	Total Empl	Empl Flow (m ³ /d)	Total Flow (m ³ /d)	
							(l/p/d)	Domestic Flow (m ³ /d)	Kindy PS & SS Studs	Education Flow (m ³ /d)								
To Kwun Tong PTW																		
1	Q	F	GIC	EMSD HQ	existing									2,500	2,500	875	875	
1	R	F	OU	HITEC	existing									4,500	4,500	1,575	1,575	
4	A	F	E	PS	2012													
4	A	F	R2	R2	2012	2,921	300	876		102	137				842	295	1,171	
4	B	F	R1(HOS)	R1(HOS)	2012	6,580	240	1,579	420	10.50		527	22		495	173	1,763	
4	C	F	R1(HOS)	R1(HOS)	2012	5,992	240	1,438		637	601				1,007	352	1,791	
4	D	F	R2	R2	2012	1,786	300	536		129	173				515	180	7'6	
4	E	F	E	PS	2012				975	24.38			44		44	16	40	
4	E	F	E	SS	2012				1,350	33.75			73		73	25	59	
4	E	F	R1(RS)	R1(RS)	2012	9,351	240	2,244			801				695	243	2,487	
4	F	F	R1(HOS)	R1(HOS)	2012	3,709	240	890	420	10.50	389	366	22		590	207	1,107	
4	G	G	R2	R2	2014	2,168	300	650		157	212				625	219	869	
4	H	G	R2	R2	2014	1,825	300	548		118	159				526	184	732	
4	J	G	R2	R2	2016	1,853	300	556		135	181				534	187	743	
4	K	G	R2	R2	2012	3,980	300	1,194	420	10.50	299	402	22		669	234	1,439	
4	L	G	R1(RS)	R1(RS)	2012	5,969	240	1,433			908				430	151	1,583	
4	L	G	E	PS	2012				975	24.38			44		44	16	40	
4	L	G	E	SS	2012				1,350	33.75			73		73	25	59	
4	M	G	R1(RS)	R1(RS)	2012	7,006	240	1,881			768				504	176	1,858	
4	N	G	E	PS	2012				975	24.38			44		44	16	40	
4	N	G	E	SS	2012				1,350	33.75			73		73	25	59	
4	Q	G	E	PS	2012				975	24.38			44		44	16	40	
4	R	G	R1(RS)	PRH	2012	4,102	240	984							295		934	
4	S	G	1(HOS)	HOS	2012	2,917	240	700							933		700	
5	A	G	R2	R2	2014	2,671	300	801		176	236				770	270	1,071	
5	B	G	R2	R2	2014		300			101	136							
5	C	G	R2	R2	2017	4,057	300	1,217		87	118				1,169	409	1,626	
5	D	G	R2	R2	2014		300			72	97							
5	E	G	R2	R2	2014	2,954	300	886		152	204				979	343	1,229	
5	F	G	R2	R2	2014		300		420	10.50	202	272	22				11	
5	G	G	R2	R2	2015	7,588	300	2,276		221	297				2,409	843	3,120	
5	H	G	R1	R1	2014	3,249	240	780	420	10.50	171	230			967	338	1,129	
5	J	G	E	PS	2014				975	24.38			44		44	16	40	
5	J	G	E	SS	2014				1,350	33.75			73		73	25	59	
5	J	G	R1(HOS)	R1(HOS)	2014	9,582	240	2,300	420	10.50	169	655	22		981	308	2,619	
5	K	G	R1	R1	2015	6,967	240	1,672			442	595			2,145	751	2,423	
5	L	G	E	PS	2014				1,350	33.75			44		44	15	49	
5	L	G	GIC	HOSP	2014									3,500	3,500	1,225	2,419	
6	A	H	C		2013					3,502					3,650	1,278	1,278	
6	A	H	OU	Aviation	2015									100	100	35	228	
6	A	H	OU	Cruise T	2013									80	80	28	178	
6	A	H	OU	HOTEL	2013									825	825	618.75	619	
6	C	I	G/IC	PFBP	2013												560	
						97,227		25,243	14,145	354	7,261	8,076	687	11,505	33,692	11,692	39,385	To Kwun Tong PTW

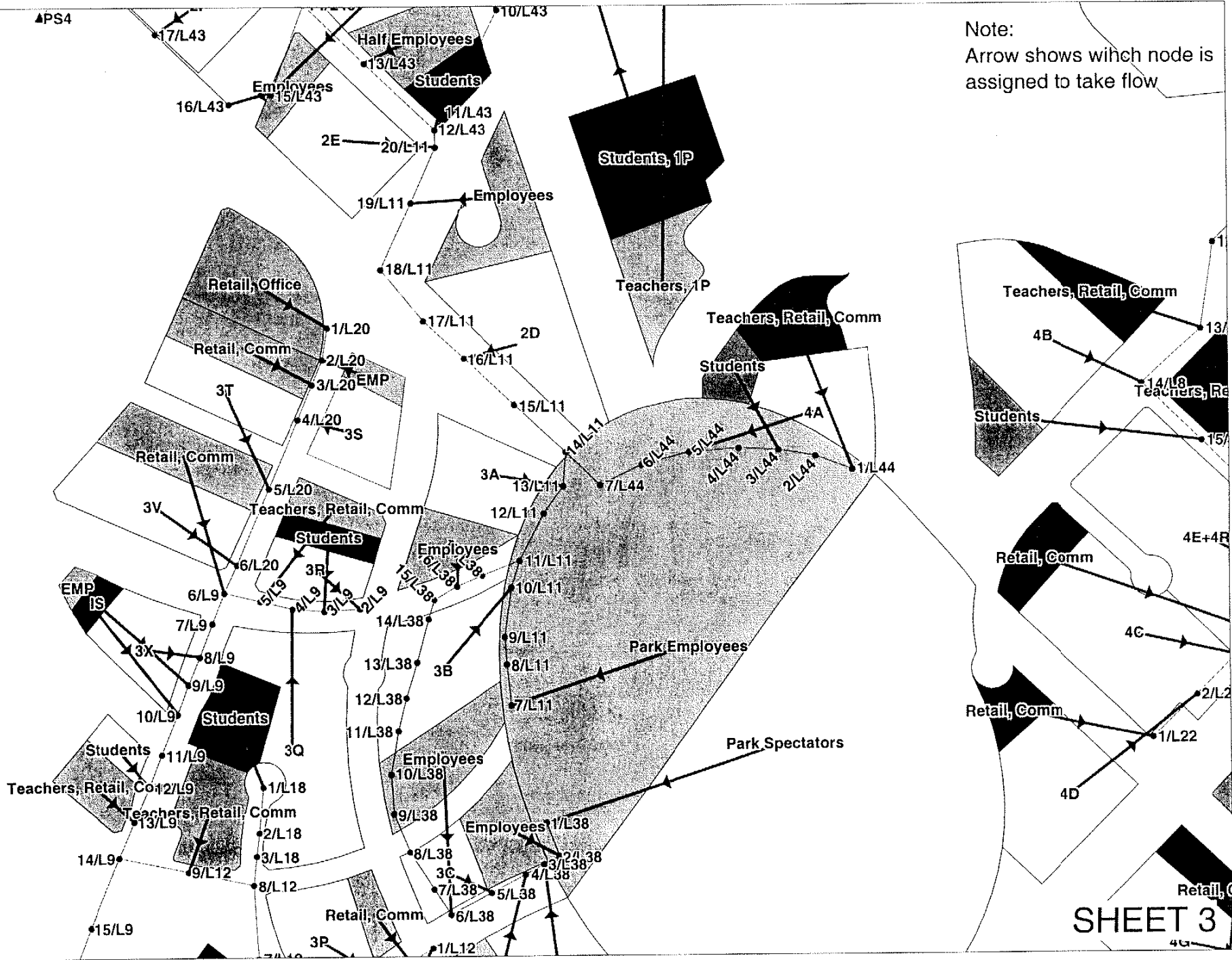
- Total flow includes for 60,000 spectators at 25 L/spectator/day
- Total flow includes for 25,000 visitors at 25 L/visitor/day
- Total flow includes for 1200 patients with a demand of 995 L/patient/day
- Total flow includes for 7,700 visitors with a demand of 25 L/visitor/day
- Total flow includes for 6,000 passengers with a demand of 25 L/passenger/day
- Rate for hotel employees taken as 750 L/employee/day. This rate includes for hotel guests and other hotel activities
- Although site is existing and discharging into existing sewer assume it will connect to SEKD sewers in 2008 when neighbouring properties connect.
- Although site is existing it will be redeveloped and will connect to the SEKD scheme. The existing discharge will continue into the existing sewer, even after redevelopment, but will be connected to the SEKD sewers in 2010 when neighbouring properties connect.



PLAN

Note:
 Arrow shows which node is
 assigned to take flow

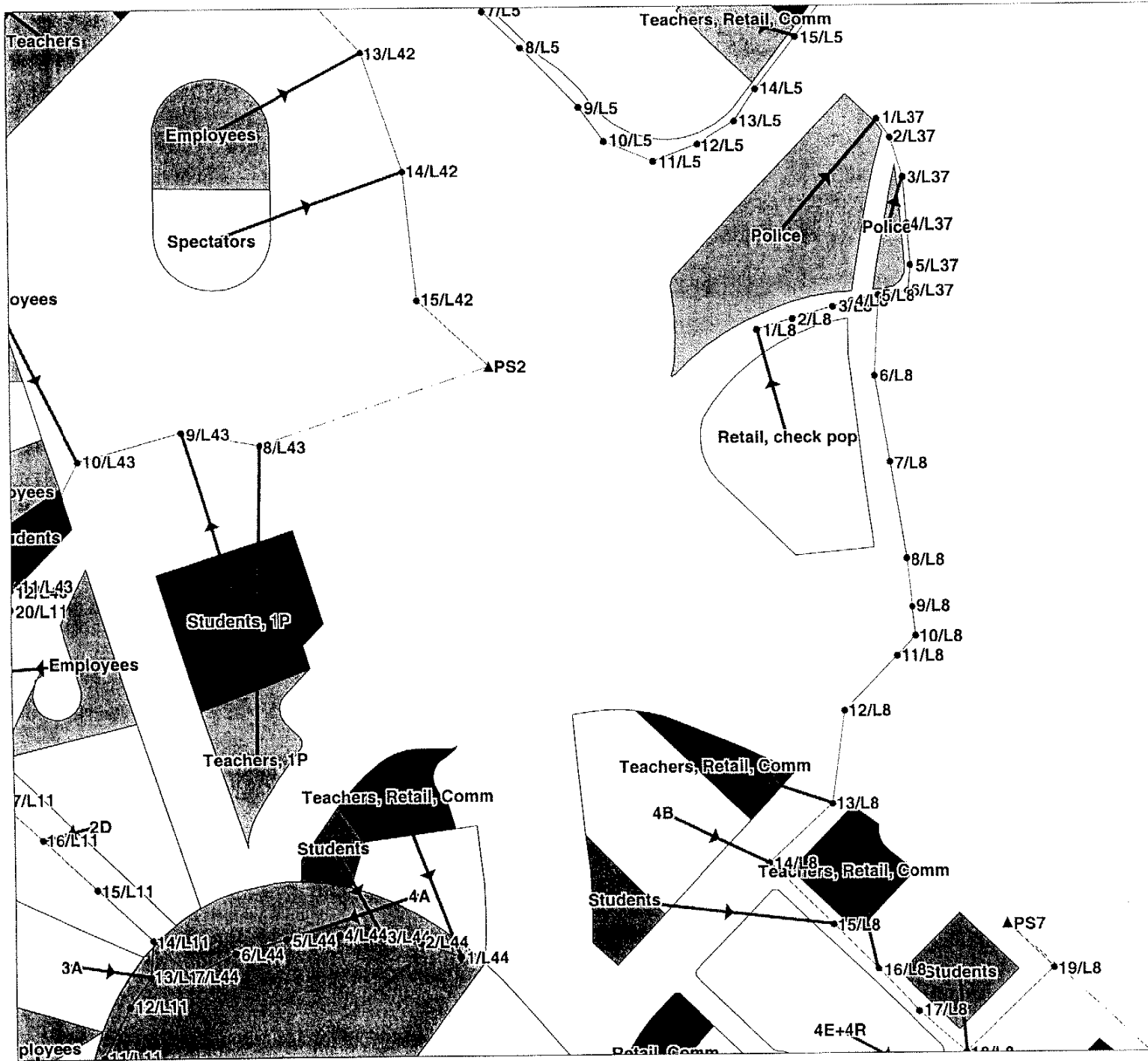




Note:
Arrow shows which node is assigned to take flow



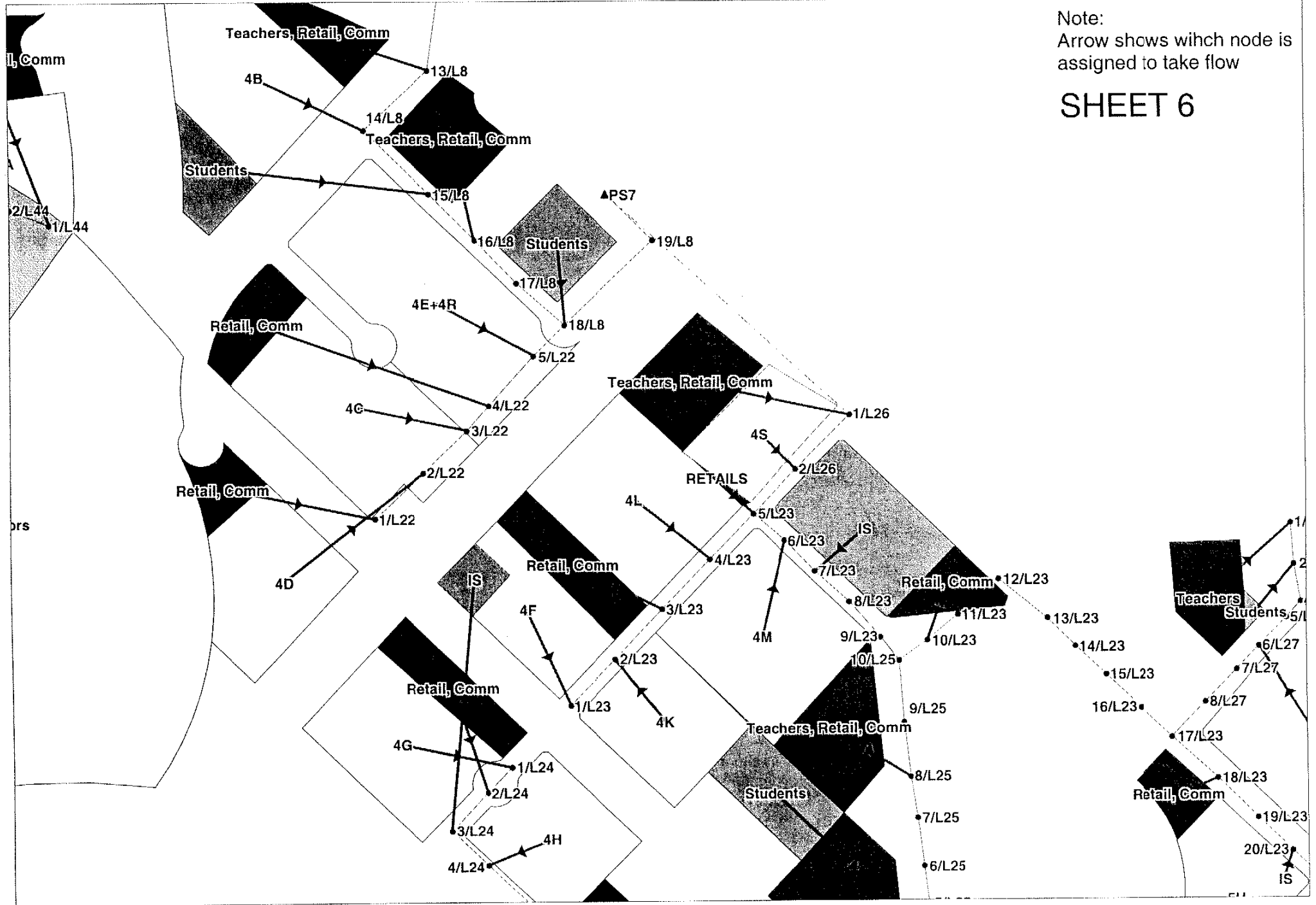
Note:
 Arrow shows which node is
 assigned to take flow



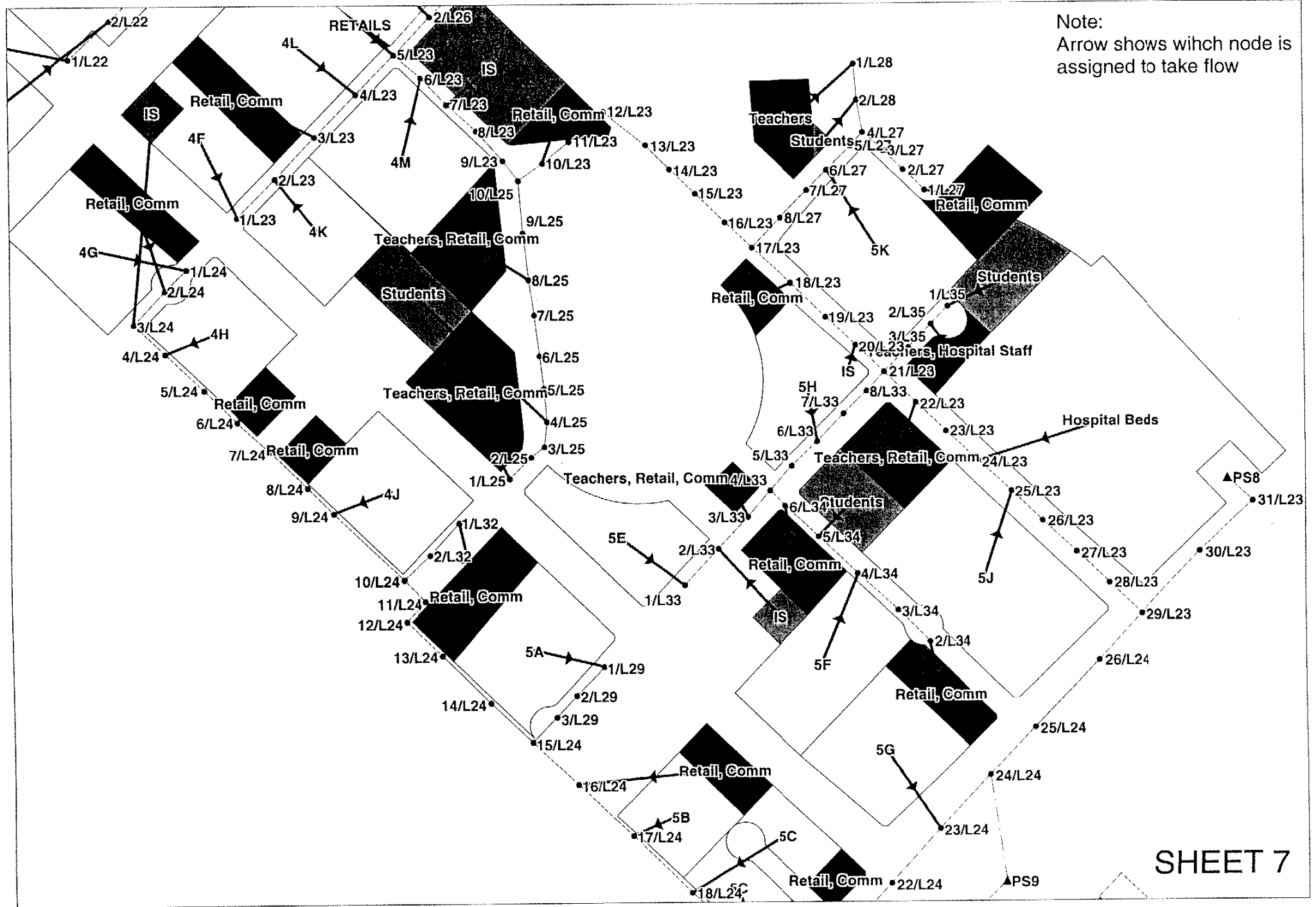
Note:
Arrow shows which node is assigned to take flow

Note:
Arrow shows which node is
assigned to take flow

SHEET 6



Note:
Arrow shows which node is assigned to take flow



Sewerage Hydraulic Calculation

7/10/01

Us_Mh	Ds_Mh	Pipe	K _s	KINEMATIC	ADWF	AVG_VEL	ADDITIONAL ²	PF	P FLOW ³	PEAK_VEL	US_INVERT	DS_INVERT	CAPACITY
1/L1	2/L1	1800	3	1.10E-06	0.16961	0.7824	0.5071	3.6468	0.61854	1.1346	-1.669	-1.819	3.9120
2/L1	3/L1	1800	3	1.10E-06	0.16961	0.7824	0.5071	3.6468	0.61854	1.1346	-1.819	-1.864	3.9120
3/L1	4/L1	1800	3	1.10E-06	0.17050	0.7836	0.5071	3.6199	0.61721	1.1339	-1.864	-2.044	3.9120
4/L1	5/L1	1800	3	1.10E-06	0.17080	0.7840	0.5071	3.6114	0.61682	1.1337	-2.044	-2.224	3.9120
5/L1	6/L1	1800	3	1.10E-06	0.18095	0.7974	0.5071	3.5908	0.64977	1.1502	-2.224	-2.356	3.9120
6/L1	11/L39	1800	3	1.10E-06	0.20761	0.8301	0.5071	3.5190	0.73058	1.1882	-2.356	-2.389	3.9120
3/L2	4/L2	600	3	1.10E-06	0.03558	0.6843	0.0000	4.0000	0.14233	1.0001	4.160	4.056	0.2821
4/L2	5/L2	600	3	1.10E-06	0.03558	0.6843	0.0000	4.0000	0.14233	1.0001	4.056	3.952	0.2821
5/L2	6/L2	600	3	1.10E-06	0.03558	0.6843	0.0000	4.0000	0.14233	1.0001	3.952	3.848	0.2821
6/L2	7/L2	600	3	1.10E-06	0.03558	0.6843	0.0000	4.0000	0.14233	1.0001	3.848	3.744	0.2821
7/L2	8/L2	600	3	1.10E-06	0.03558	0.6843	0.0000	4.0000	0.14233	1.0001	3.744	3.641	0.2821
8/L2	9/L2	600	3	1.10E-06	0.03558	0.6843	0.0000	4.0000	0.14233	1.0001	3.641	3.537	0.2821
9/L2	10/L2	600	3	1.10E-06	0.04033	0.6899	0.0000	4.0000	0.16132	1.0000	3.537	2.933	0.2712
10/L2	11/L2	600	3	1.10E-06	0.04033	0.6899	0.0000	4.0000	0.16132	1.0000	2.933	2.829	0.2712
11/L2	12/L2	600	3	1.10E-06	0.04113	0.6910	0.0000	4.0000	0.16450	1.0000	2.829	2.746	0.2697
12/L2	13/L2	600	3	1.10E-06	0.04113	0.6910	0.0000	4.0000	0.16450	1.0000	2.746	2.562	0.2697
13/L2	14/L2	600	3	1.10E-06	0.04113	0.6910	0.0000	4.0000	0.16450	1.0000	2.562	2.447	0.2697
14/L2	15/L2	600	3	1.10E-06	0.04113	0.6910	0.0000	4.0000	0.16450	1.0000	2.447	2.332	0.2697
15/L2	16/L2	1050	3	1.10E-06	0.16789	0.8290	0.5071	3.6507	0.61292	1.1589	1.882	1.766	0.9448
16/L2	17/L2	1050	3	1.10E-06	0.16789	0.8290	0.5071	3.6507	0.61292	1.1589	1.766	1.638	0.9448
17/L2	18L/2	1050	3	1.10E-06	0.16789	0.8290	0.5071	3.6507	0.61292	1.1589	1.638	1.526	0.9448
18/L2	19/L2	1050	3	1.10E-06	0.16789	0.8290	0.5071	3.6507	0.61292	1.1589	1.526	1.366	0.9448
19/L2	1/L1	1800	3	1.10E-06	0.16789	0.8290	0.5071	3.6507	0.61292	1.1589	-1.577	-1.669	0.9448
1/L3	2/L3	300	3	1.10E-06	0.00079	0.5599	0.5071	6.0000	0.00477	1.0000	3.550	3.160	0.1622
2/L3	3/L3	300	3	1.10E-06	0.00079	0.5599	0.0000	6.0000	0.00477	1.0000	3.160	2.829	0.1622
3/L3	4/L3	300	3	1.10E-06	0.00079	0.5599	0.0000	6.0000	0.00477	1.0000	2.829	2.575	0.1622
4/L3	13/L4	300	3	1.10E-06	0.00079	0.5599	0.0000	6.0000	0.00477	1.0000	2.575	2.169	0.1622
5/L4	6/L4	750	3	1.10E-06	0.06612	0.6939	0.0000	4.0000	0.26449	0.9999	2.595	2.395	0.4180
6/L4	7/L4	750	3	1.10E-06	0.06612	0.6939	0.0000	4.0000	0.26449	0.9999	2.395	2.218	0.4180
7/L4	8/L4	750	3	1.10E-06	0.06612	0.6939	0.0000	4.0000	0.26449	0.9999	2.218	2.018	0.4180
8/L4	9/L4	750	3	1.10E-06	0.06612	2.9672	0.0000	4.0000	0.26449	4.5036	2.018	1.943	3.3006
9/L4	10/L4	750	3	1.10E-06	0.06612	0.6939	0.0000	4.0000	0.26449	0.9999	1.943	1.711	0.4180
10/L4	11/L4	750	3	1.10E-06	0.06612	0.6939	0.0000	4.0000	0.26449	0.9999	1.711	1.479	0.4180
11/L4	12/L4	750	3	1.10E-06	0.07369	0.7008	0.0000	4.0000	0.29476	1.0000	1.479	1.271	0.4060
12/L4	13/L4	750	3	1.10E-06	0.07369	0.7008	0.0000	4.0000	0.29476	1.0000	1.271	1.063	0.4060
13/L4	PS1A	900	3	1.10E-06	0.12677	0.7771	0.0000	4.0000	0.50706	1.0961	0.913	0.900	0.6286
3/L5	4/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	2.671	2.533	0.2619
4/L5	5/L5	600	3	1.10E-06	0.04567	0.7920	0.0000	4.0000	0.18269	1.1489	2.533	2.392	0.3130
5/L5	6/L5	600	3	1.10E-06	0.04567	1.1819	0.0000	4.0000	0.18269	1.7523	2.392	2.266	0.5507
6/L5	7/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	2.266	2.228	0.2619
7/L5	8/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	2.228	2.153	0.2619
8/L5	9/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	2.153	2.053	0.2619

Sewerage Hydraulic Calculation

7/10/01

Us_Mh	Ds_Mh	Pipe	Ks	KINEMATIC	ADWF	AVG_VEL	ADDITIONAL ²	PF	P_FLOW ³	PEAK_VEL	US_INVERT	DS_INVERT	CAPACITY
9/L5	10/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	2.053	1.993	0.2619
10/L5	11/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	1.993	1.933	0.2619
11/L5	12/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	1.933	1.873	0.2619
12/L5	13/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	1.873	1.813	0.2619
13/L5	14/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	1.813	1.753	0.2619
14/L5	15/L5	600	3	1.10E-06	0.04567	0.6972	0.0000	4.0000	0.18269	1.0001	1.753	1.657	0.2619
15/L5	16/L5	600	3	1.10E-06	0.05121	0.7061	0.0000	4.0000	0.20482	1.0000	1.657	1.564	0.2548
16/L5	13/L4	750	3	1.10E-06	0.05228	0.6835	0.0000	4.0000	0.20913	1.0001	1.414	1.363	0.4498
1/L7	2/L7	750	3	1.10E-06	0.05185	0.6831	0.0000	4.0000	0.20741	1.0000	2.770	2.710	0.4510
2/L7	3/L7	750	3	1.10E-06	0.05699	0.6867	0.0000	4.0000	0.22794	0.9999	2.710	2.650	0.4373
3/L7	4/L7	750	3	1.10E-06	0.05766	0.6874	0.0000	4.0000	0.23063	1.0001	2.650	2.590	0.4358
4/L7	5/L7	750	3	1.10E-06	0.05766	0.6874	0.0000	4.0000	0.23063	1.0001	2.590	2.530	0.4358
5/L7	6/L7	750	3	1.10E-06	0.05766	0.6874	0.0000	4.0000	0.23063	1.0001	2.530	2.470	0.4358
6/L7	7/L7	750	3	1.10E-06	0.05873	0.6881	0.0000	4.0000	0.23494	1.0001	2.470	2.410	0.4332
7/L7	8/L7	750	3	1.10E-06	0.07452	0.7017	0.0000	4.0000	0.29807	1.0001	2.410	2.350	0.4049
8/L7	6/L42	900	3	1.10E-06	0.08416	0.6921	0.0000	4.0000	0.33632	1.0047	2.200	2.146	0.6286
1/L8	2/L8	300	3	1.10E-06	0.00000	0.0012	0.0000	8.0000	0.00000	0.0012	2.632	2.555	0.0438
2/L8	3/L8	300	3	1.10E-06	0.00000	0.0012	0.0000	8.0000	0.00000	0.0012	2.555	2.467	0.0438
3/L8	4/L8	300	3	1.10E-06	0.00000	0.0012	0.0000	8.0000	0.00000	0.0012	2.467	2.427	0.0438
4/L8	5/L8	300	3	1.10E-06	0.00000	0.0012	0.0000	8.0000	0.00000	0.0012	2.427	2.370	0.0438
5/L8	6/L8	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	0.870	0.718	0.1017
6/L8	7/L8	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	0.718	0.562	0.1017
7/L8	8/L8	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	0.562	0.466	0.1017
8/L8	9/L8	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	0.466	0.374	0.1017
9/L8	10/L8	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	0.374	0.274	0.1017
10/L8	11/L8	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	0.274	0.218	0.1017
11/L8	12/L8	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	0.218	0.074	0.1017
12/L8	13/L8	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	0.074	-0.074	0.1017
13/L8	14/L8	300	3	1.10E-06	0.00373	0.5442	0.0000	8.0000	0.02981	0.9999	-0.074	-0.234	0.0750
14/L8	15/L8	600	3	1.10E-06	0.02200	0.6324	0.0000	5.0000	0.11002	1.0000	-0.534	-0.659	0.3082
15/L8	16/L8	600	3	1.10E-06	0.02213	0.6325	0.0000	5.0000	0.11063	1.0001	-0.659	-0.749	0.3077
16/L8	17/L8	600	3	1.10E-06	0.02661	0.6385	0.0000	5.0000	0.13305	1.0000	-0.749	-0.833	0.2885
17/L8	18/L8	600	3	1.10E-06	0.02661	0.6385	0.0000	5.0000	0.13305	1.0000	-0.833	-0.921	0.2885
18/L8	19/L8	900	3	1.10E-06	0.09366	0.7135	0.0000	4.0000	0.37466	1.0301	-1.221	-1.392	0.6286
19/L8	PS7	900	3	1.10E-06	0.09366	0.7135	0.0000	4.0000	0.37466	1.0301	-1.392	-1.484	0.6286
2/L9	3/L9	450	3	1.10E-06	0.00979	0.5966	0.0000	6.0000	0.05872	1.0034	2.540	2.468	0.1777
3/L9	4/L9	450	3	1.10E-06	0.00991	0.5951	0.0000	6.0000	0.05945	1.0001	2.468	2.404	0.1761
4/L9	5/L9	450	3	1.10E-06	0.01975	0.7214	0.0000	5.0000	0.09873	1.1218	2.404	2.336	0.1727
5/L9	6/L9	450	3	1.10E-06	0.02310	0.7635	0.0000	5.0000	0.11552	1.1765	2.336	2.260	0.1753
6/L9	7/L9	1800	3	1.10E-06	0.09027	0.6657	0.0000	4.0000	0.36107	1.0001	-2.218	-2.268	4.0573
7/L9	8/L9	1800	3	1.10E-06	0.09027	0.6657	0.0000	4.0000	0.36107	1.0001	-2.268	-2.320	4.0573
8/L9	9/L9	1800	3	1.10E-06	0.09027	0.6657	0.0000	4.0000	0.36107	1.0001	-2.320	-2.364	4.0573

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Us_Mh	Ds_Mh	Pipe	Ks	KINEMATIC	ADWF ¹	AVG_VEL	ADDITIONAL ²	PF	P FLOW ³	PEAK_VEL	US_INVERT	DS_INVERT	CAPACITY
9/L9	10/L9	1800	3	1.10E-06	0.09083	0.6657	0.0000	4.0000	0.36333	1.0000	-2.364	-2.410	4.0465
10/L9	11/L9	1800	3	1.10E-06	0.09131	0.6657	0.0000	4.0000	0.36522	1.0000	-2.410	-2.475	4.0381
11/L9	12/L9	1800	3	1.10E-06	0.09131	0.6657	0.0000	4.0000	0.36522	1.0000	-2.475	-2.529	4.0381
12/L9	13/L9	1800	3	1.10E-06	0.09159	0.6658	0.0000	4.0000	0.36635	1.0000	-2.529	-2.586	4.0333
13/L9	14/L9	1800	3	1.10E-06	0.09159	0.6658	0.0000	4.0000	0.36635	1.0000	-2.586	-2.646	4.0333
14/L9	15/L9	1800	3	1.10E-06	0.13203	0.7266	0.0000	4.0000	0.52812	1.0855	-2.646	-2.761	3.9120
15/L9	16/L9	1800	3	1.10E-06	0.13203	0.7266	0.0000	4.0000	0.52812	1.0855	-2.761	-2.853	3.9120
16/L9	PS5	1800	3	1.10E-06	0.13203	0.7266	0.0000	4.0000	0.52812	1.0855	-2.853	-2.979	3.9120
7/L11	8/L11	300	3	1.10E-06	0.00041	0.5030	0.0000	8.0000	0.00331	1.0000	2.850	2.778	0.1922
8/L11	9/L11	300	3	1.10E-06	0.00041	0.5030	0.0000	8.0000	0.00331	1.0000	2.778	2.712	0.1922
9/L11	10/L11	300	3	1.10E-06	0.00041	0.5030	0.0000	8.0000	0.00331	1.0000	2.712	2.636	0.1922
10/L11	11/L11	450	3	1.10E-06	0.01217	0.6015	0.0000	6.0000	0.07302	1.0000	2.486	2.410	0.1637
11/L11	12/L11	600	3	1.10E-06	0.03762	0.6867	0.0000	4.0000	0.15048	1.0001	0.200	0.112	0.2771
12/L11	13/L11	600	3	1.10E-06	0.03762	0.6867	0.0000	4.0000	0.15048	1.0001	0.112	0.020	0.2771
13/L11	14/L11	600	3	1.10E-06	0.04223	0.6924	0.0000	4.0000	0.16891	0.9999	0.020	-0.040	0.2376
14/L11	15/L11	750	3	1.10E-06	0.05578	0.6859	0.0000	4.0000	0.22312	1.0000	-0.190	-0.338	0.4404
15/L11	16/L11	750	3	1.10E-06	0.05578	0.6859	0.0000	4.0000	0.22312	1.0000	-0.338	-0.494	0.4404
16/L11	17/L11	750	3	1.10E-06	0.07308	0.7002	0.0000	4.0000	0.29230	0.9999	-0.494	-0.614	0.4068
17/L11	18/L11	750	3	1.10E-06	0.07308	0.7002	0.0000	4.0000	0.29230	0.9999	-0.614	-0.734	0.4068
18/L11	19/L11	750	3	1.10E-06	0.07308	0.7002	0.0000	4.0000	0.29230	0.9999	-1.510	-1.670	0.4068
19/L11	20/L11	900	3	1.10E-06	0.08144	0.6877	0.0000	4.0000	0.32575	1.0000	-1.970	-1.934	0.6313
20/L11	12/L43	900	3	1.10E-06	0.09014	0.7058	0.0000	3.8251	0.34481	1.0104	-1.934	-1.984	0.6286
1/L12	2/L12	300	3	1.10E-06	0.00151	0.5233	0.0000	8.0000	0.01206	1.0000	2.000	1.924	0.1076
2/L12	3/L12	300	3	1.10E-06	0.00428	0.5900	0.0000	6.0000	0.02569	1.0000	1.924	1.860	0.0792
3/L12	4/L12	450	3	1.10E-06	0.01002	0.5953	0.0000	6.0000	0.06014	1.0000	1.710	1.630	0.1754
4/L12	5/L12	450	3	1.10E-06	0.01002	0.5953	0.0000	6.0000	0.06014	1.0000	1.630	1.550	0.1754
5/L12	6/L12	600	3	1.10E-06	0.03467	0.6833	0.0000	4.0000	0.13869	1.0000	1.400	1.320	0.2845
6/L12	7/L12	600	3	1.10E-06	0.03467	0.6833	0.0000	4.0000	0.13869	1.0000	1.320	1.220	0.2845
7/L12	8/L12	600	3	1.10E-06	0.03467	0.6833	0.0000	4.0000	0.13869	1.0000	1.220	1.072	0.2845
8/L12	9/L12	600	3	1.10E-06	0.03535	0.6841	0.0000	4.0000	0.14138	1.0001	1.072	-1.156	0.2828
9/L12	14/L9	600	3	1.10E-06	0.04044	0.6901	0.0000	4.0000	0.16177	1.0000	-1.156	-1.300	0.2710
1/L13	2/L13	450	3	1.10E-06	0.00907	0.5926	0.0000	6.0000	0.05440	0.9999	1.820	1.760	0.1820
2/L13	3/L13	450	3	1.10E-06	0.00907	0.5926	0.0000	6.0000	0.05440	0.9999	1.760	1.664	0.1820
3/L13	4/L13	450	3	1.10E-06	0.01330	0.6049	0.0000	6.0000	0.07978	0.9999	1.664	1.596	0.1589
4/L13	5/L12	450	3	1.10E-06	0.01342	0.6053	0.0000	6.0000	0.08050	1.0001	1.596	1.556	0.1584
1/L14	2/L14	300	3	1.10E-06	0.00380	0.5868	0.0000	6.0000	0.02277	0.9999	1.430	1.370	0.0830
2/L14	3/L14	450	3	1.10E-06	0.00776	0.5889	0.0000	6.0000	0.04658	0.9999	1.220	1.180	0.1931
3/L14	4/L14	450	3	1.10E-06	0.00776	0.5889	0.0000	6.0000	0.04658	0.9999	1.180	1.130	0.1931
4/L14	5/L14	600	3	1.10E-06	0.02701	0.6390	0.0000	5.0000	0.13503	1.0000	0.980	0.920	0.2870
5/L14	6/L14	600	3	1.10E-06	0.03292	0.6813	0.0000	4.0000	0.13167	1.0000	0.920	0.860	0.2895
6/L14	7/L14	600	3	1.10E-06	0.03304	0.6814	0.0000	4.0000	0.13216	1.0000	0.860	0.800	0.2891
7/L14	8/L14	600	3	1.10E-06	0.03755	0.6866	0.0000	4.0000	0.15021	1.0001	0.800	0.740	0.2773

Sewerage Hydraulic Calculation

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Us_Mh	Ds_Mh	Pipe	K _s	KINEMATIC	ADWF	AVG_VEL	ADDITIONAL ²	PF	P FLOW ³	PEAK_VEL	US_INVERT	DS_INVERT	CAPACITY
8/L14	9/L14	600	3	1.10E-06	0.04045	0.6901	0.0000	4.0000	0.16181	0.9999	0.740	0.670	0.2710
9/L14	PS6	600	3	1.10E-06	0.04045	0.6901	0.0000	4.0000	0.16181	0.9999	0.670	0.510	0.2710
1/L15	2/L15	300	3	1.10E-06	0.00128	0.5205	0.0000	8.0000	0.01021	1.0001	2.200	2.110	0.1155
2/L15	3/L15	300	3	1.10E-06	0.00167	0.5709	0.0000	6.0000	0.01000	0.9999	2.110	2.040	0.1165
3/L15	4/L15	300	3	1.10E-06	0.00167	0.5709	0.0000	6.0000	0.01000	0.9999	2.040	1.980	0.1165
4/L15	4/L14	300	3	1.10E-06	0.00167	0.5709	0.0000	6.0000	0.01000	0.9999	1.980	1.920	0.1165
1/L16	2/L16	300	3	1.10E-06	0.00517	0.5959	0.0000	6.0000	0.03100	1.0000	2.120	2.080	0.0740
2/L16	3/L16	300	3	1.10E-06	0.00517	0.5959	0.0000	6.0000	0.03100	1.0000	2.080	2.030	0.0740
3/L16	4/L16	300	3	1.10E-06	0.00517	0.5959	0.0000	6.0000	0.03100	1.0000	2.030	1.980	0.0740
4/L16	5/L16	300	3	1.10E-06	0.00517	0.5959	0.0000	6.0000	0.03100	1.0000	1.980	1.930	0.0740
5/L16	6/L16	300	3	1.10E-06	0.00517	0.5959	0.0000	6.0000	0.03100	1.0000	1.930	1.860	0.0740
6/L16	7/L16	300	3	1.10E-06	0.00517	0.5959	0.0000	6.0000	0.03100	1.0000	1.860	1.790	0.0740
7/L16	8/L16	300	3	1.10E-06	0.00517	0.5959	0.0000	6.0000	0.03100	1.0000	1.790	1.720	0.0740
8/L16	9/L16	450	3	1.10E-06	0.01451	0.6087	0.0000	6.0000	0.08703	1.0001	1.570	1.500	0.1545
9/L16	10/L16	450	3	1.10E-06	0.01624	0.6393	0.0000	5.0000	0.08122	0.9999	1.500	1.440	0.1579
10/L16	11/L16	450	3	1.10E-06	0.01624	0.6393	0.0000	5.0000	0.08122	0.9999	1.440	1.380	0.1579
11/L16	12/L16	450	3	1.10E-06	0.01624	0.6393	0.0000	5.0000	0.08122	0.9999	1.380	1.320	0.1579
12/L16	13/L16	450	3	1.10E-06	0.01758	0.6428	0.0000	5.0000	0.08788	0.9999	1.320	1.250	0.1540
13/L16	14/L16	450	3	1.10E-06	0.01758	0.6428	0.0000	5.0000	0.08788	0.9999	1.250	1.190	0.1540
14/L16	4/L14	450	3	1.10E-06	0.01758	0.6428	0.0000	5.0000	0.08788	0.9999	1.190	1.130	0.1540
1/L17	2/L17	300	3	1.10E-06	0.00145	0.5226	0.0000	8.0000	0.01160	1.0000	2.500	2.415	0.1093
2/L17	8/L14	300	3	1.10E-06	0.00145	0.5226	0.0000	8.0000	0.01160	1.0000	2.415	2.350	0.1093
1/L18	2/L18	300	3	1.10E-06	0.00067	0.5576	0.0000	6.0000	0.00404	1.0001	2.510	2.395	0.1752
2/L18	3/L18	300	3	1.10E-06	0.00067	0.5576	0.0000	6.0000	0.00404	1.0001	2.395	2.305	0.1752
3/L18	8/L12	300	3	1.10E-06	0.00067	0.5576	0.0000	6.0000	0.00404	1.0001	2.305	2.215	0.1752
1/L20	2/L20	450	3	1.10E-06	0.01944	0.6276	0.0000	6.0000	0.11664	1.0000	1.800	1.736	0.1428
2/L20	3/L20	450	3	1.10E-06	0.02174	0.7397	0.0000	5.0000	0.10871	1.1431	1.736	1.676	0.1719
3/L20	4/L20	600	3	1.10E-06	0.03195	0.6463	0.0000	5.0000	0.15973	1.0000	1.676	1.600	0.2721
4/L20	5/L20	600	3	1.10E-06	0.03838	0.6876	0.0000	4.0000	0.15353	1.0000	-1.700	-1.868	0.2754
5/L20	6/L20	800	3	1.10E-06	0.04856	0.7017	0.0000	4.0000	0.19423	1.0000	-1.868	-2.080	0.2578
6/L20	6/L9	750	3	1.10E-06	0.06227	0.6909	0.0000	4.0000	0.24906	1.0001	-2.230	-2.218	0.4255
1/L22	2/L22	300	3	1.10E-06	0.00209	0.5294	0.0000	8.0000	0.01669	1.0000	2.233	2.111	0.0939
2/L22	3/L22	450	3	1.10E-06	0.00829	0.5904	0.0000	6.0000	0.04973	1.0001	1.961	1.849	0.1884
3/L22	4/L22	600	3	1.10E-06	0.02493	0.6363	0.0000	5.0000	0.12466	1.0000	1.699	1.637	0.2950
4/L22	5/L22	600	3	1.10E-06	0.02901	0.6418	0.0000	5.0000	0.14506	0.9999	1.637	1.511	0.2804
5/L22	18/L8	750	3	1.10E-06	0.06638	0.6942	0.0000	4.0000	0.26552	0.9999	1.361	1.279	0.4175
1/L23	2/L23	450	3	1.10E-06	0.01030	0.5961	0.0000	6.0000	0.06182	0.9999	2.330	2.214	0.1736
2/L23	3/L23	600	3	1.10E-06	0.02412	0.6351	0.0000	5.0000	0.12061	1.0000	2.064	1.936	0.2983
3/L23	4/L23	600	3	1.10E-06	0.02651	0.6384	0.0000	5.0000	0.13256	1.0000	1.936	1.808	0.2888
4/L23	5/L23	600	3	1.10E-06	0.04309	0.6935	0.0000	4.0000	0.17237	1.0000	1.808	1.688	0.2660
5/L23	6/L23	1050	3	1.10E-06	0.15056	0.8040	0.3747	3.7954	0.57143	1.1410	1.238	1.184	0.9448
6/L23	7/L23	1050	3	1.10E-06	0.17002	0.8320	0.3747	3.7180	0.63214	1.1666	1.184	1.124	0.9448

Sewerage Hydraulic Calculation

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Us_Mh	Ds_Mh	Pipe	K _s	KINEMATIC	ADWF ¹	AVG_VEL	ADDITIONAL ²	PF	P FLOW ³	PEAK_VEL	US_INVERT	DS_INVERT	CAPACITY
7/L23	8/L23	1050	3	1.10E-06	0.17069	0.8329	0.3747	3.6946	0.63064	1.1660	1.124	1.058	0.9448
8/L23	9/L23	1050	3	1.10E-06	0.17069	0.8329	0.3747	3.6946	0.63064	1.1660	1.058	0.995	0.9448
9/L23	10/L25	1050	3	1.10E-06	0.17069	0.8329	0.3747	3.6946	0.63064	1.1660	0.995	0.920	0.9448
10/L25	10/L23	1050	3	1.10E-06	0.17557	0.8394	0.3747	3.6792	0.64594	1.1719	0.920	0.890	0.9448
10/L23	11/L23	1050	3	1.10E-06	0.17586	0.8399	0.3747	3.6785	0.64691	1.1723	0.890	0.830	0.9448
11/L23	12/L23	1050	3	1.10E-06	0.17586	0.8399	0.3747	3.6785	0.64691	1.1723	0.830	0.692	0.9448
12/L23	13/L23	1050	3	1.10E-06	0.17586	0.8399	0.3747	3.6785	0.64691	1.1723	0.692	0.767	0.9448
13/L23	14/L23	1050	3	1.10E-06	0.17586	0.8399	0.3747	3.6785	0.64691	1.1723	0.767	0.710	0.9448
15/L23	16/L23	1050	3	1.10E-06	0.17586	0.8399	0.3747	3.6785	0.64691	1.1723	0.710	0.641	0.9448
14/L23	15/L23	1050	3	1.10E-06	0.17586	0.8399	0.3747	3.6785	0.64691	1.1723	0.641	0.581	0.9448
16/L23	17/L23	1050	3	1.10E-06	0.17586	0.8399	0.3747	3.6785	0.64691	1.1723	0.581	0.494	0.9448
17/L23	18/L23	1050	3	1.10E-06	0.20551	0.8770	0.3747	3.5707	0.73382	1.2017	0.494	0.401	0.9448
18/L23	19/L23	1050	3	1.10E-06	0.20943	0.8816	0.3747	3.5633	0.74626	1.2053	0.401	0.350	0.9448
19/L23	20/L23	1050	3	1.10E-06	0.20943	0.8816	0.3747	3.5633	0.74626	1.2053	0.350	0.299	0.9448
20/L23	21/L23	1050	3	1.10E-06	0.20955	0.8817	0.3747	3.5601	0.74602	1.2053	0.299	0.236	0.9448
21/L23	22/L23	1800	3	1.10E-06	0.25831	0.8847	0.3747	3.4417	0.88902	1.2538	-3.548	-3.617	3.9120
22/L23	23/L23	1800	3	1.10E-06	0.26235	0.8886	0.3747	3.4357	0.90136	1.2585	-3.617	-3.683	3.9120
23/L23	24/L23	1800	3	1.10E-06	0.26235	0.8886	0.3747	3.4357	0.90136	1.2585	-3.683	-3.749	3.9120
24/L23	25/L23	1800	3	1.10E-06	0.27617	0.9020	0.3747	3.4287	0.94691	1.2754	-3.749	-3.821	3.9120
25/L23	26/L23	1800	3	1.10E-06	0.30279	0.9263	0.3747	3.3761	1.02224	1.3019	-3.821	-3.893	3.9120
26/L23	27/L23	1800	3	1.10E-06	0.30279	0.9263	0.3747	3.3761	1.02224	1.3019	-3.893	-3.968	3.9120
27/L23	28/L23	1800	3	1.10E-06	0.30279	0.9263	0.3747	3.3761	1.02224	1.3019	-3.968	-4.043	3.9120
28/L23	29/L23	1800	3	1.10E-06	0.30279	0.9263	0.3747	3.3761	1.02224	1.3019	-4.043	-4.115	3.9120
29/L23	30/L23	1800	3	1.10E-06	0.41424	1.0134	0.4812	3.1947	1.32336	1.3938	-4.115	-4.253	3.9120
30/L23	31/L23	1800	3	1.10E-06	0.41424	1.0134	0.4812	3.1947	1.32336	1.3938	-4.253	-4.346	3.9120
31/L23	PS8	1800	3	1.10E-06	0.41424	1.0134	0.4812	3.1947	1.32336	1.3938	-4.346	-4.398	3.9120
1/L24	2/L24	450	3	1.10E-06	0.00753	0.5883	0.0000	6.0000	0.04517	1.0001	1.670	1.565	0.1955
2/L24	3/L24	450	3	1.10E-06	0.01006	0.5955	0.0000	6.0000	0.06036	1.0000	1.565	1.489	0.1751
3/L24	4/L24	450	3	1.10E-06	0.01018	0.5958	0.0000	6.0000	0.06109	1.0000	1.489	1.413	0.1744
4/L24	5/L24	450	3	1.10E-06	0.01652	0.6401	0.0000	5.0000	0.08259	1.0000	1.413	1.293	0.1571
5/L24	6/L24	450	3	1.10E-06	0.01652	0.6401	0.0000	5.0000	0.08259	1.0000	1.293	1.178	0.1571
6/L24	7/L24	450	3	1.10E-06	0.01865	0.6460	0.0000	5.0000	0.09324	1.0001	1.178	1.082	0.1513
7/L24	8/L24	600	3	1.10E-06	0.02081	0.6309	0.0000	5.0000	0.10406	1.0001	0.932	0.893	0.3146
8/L24	9/L24	600	3	1.10E-06	0.02081	0.6309	0.0000	5.0000	0.10406	1.0001	0.893	0.813	0.3146
9/L24	10/L24	600	3	1.10E-06	0.02725	0.6393	0.0000	5.0000	0.13623	0.9999	0.813	0.605	0.2862
10/L24	11/L24	600	3	1.10E-06	0.03037	0.6439	0.0000	5.0000	0.15183	1.0000	0.605	0.539	0.2763
11/L24	12/L24	600	3	1.10E-06	0.03037	0.6439	0.0000	5.0000	0.15183	1.0000	0.539	0.479	0.2763
12/L24	13/L24	600	3	1.10E-06	0.03037	0.6439	0.0000	5.0000	0.15183	1.0000	0.479	0.375	0.2763
13/L24	14/L24	600	3	1.10E-06	0.03037	0.6439	0.0000	5.0000	0.15183	1.0000	0.375	0.231	0.2763
14/L24	15/L24	600	3	1.10E-06	0.03037	0.6439	0.0000	5.0000	0.15183	1.0000	0.231	0.107	0.2763
15/L24	16/L24	600	3	1.10E-06	0.03964	0.6891	0.0000	4.0000	0.15856	1.0000	0.107	-0.029	0.2726
16/L24	17/L24	600	3	1.10E-06	0.03964	0.6891	0.0000	4.0000	0.15856	1.0000	-0.029	-0.193	0.2726

Sewerage Hydraulic Calculation

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Us_Mh	Ds_Mh	Pipe	Ks	KINEMATIC	ADWF ¹	AVG_VEL	ADDITIONAL ²	PF	P_FLOW ³	PEAK_VEL	US_INVERT	DS_INVERT	CAPACITY
17/L24	18/L24	600	3	1.10E-06	0.03964	0.6891	0.0000	4.0000	0.15856	1.0000	-0.193	-0.371	0.2726
18/L24	19/L24	600	3	1.10E-06	0.04668	0.6986	0.0000	4.0000	0.18672	1.0000	-0.371	-0.587	0.2603
19/L24	20/L24	750	3	1.10E-06	0.05373	0.6845	0.0000	4.0000	0.21491	1.0000	-0.737	-0.842	0.4458
20/L24	21/L24	750	3	1.10E-06	0.05610	0.6862	0.0000	4.0000	0.22438	1.0001	-0.842	-0.999	0.4396
21/L24	22/L24	900	3	1.10E-06	0.05846	0.6878	0.0000	4.0000	0.23385	0.9999	-1.149	-1.285	0.4338
22/L24	23/L24	900	3	1.10E-06	0.05846	0.6878	0.0000	4.0000	0.23385	0.9999	-1.285	-1.433	0.4338
23/L24	24/L24	900	3	1.10E-06	0.08481	0.6936	0.0000	4.0000	0.33924	1.0065	-1.433	-1.555	0.6286
24/L24	25/L24	1800	3	1.10E-06	0.11145	0.6910	0.1066	4.0000	0.44580	1.0347	-3.190	-3.335	3.9120
25/L24	26/L24	1800	3	1.10E-06	0.11145	0.6910	0.1066	4.0000	0.44580	1.0347	-3.335	-3.482	3.9120
26/L24	29/L23	1800	3	1.10E-06	0.11145	0.6910	0.1066	4.0000	0.44580	1.0347	-3.482	-3.590	3.9120
1/L25	2/L25	300	3	1.10E-06	0.00271	0.5352	0.0000	8.0000	0.02168	0.9999	2.610	2.535	0.0846
2/L25	3/L25	300	3	1.10E-06	0.00271	0.5352	0.0000	8.0000	0.02168	0.9999	2.535	2.450	0.0846
3/L25	4/L25	300	3	1.10E-06	0.00271	0.5352	0.0000	8.0000	0.02168	0.9999	2.450	2.355	0.0846
4/L25	5/L25	300	3	1.10E-06	0.00283	0.5804	0.0000	6.0000	0.01699	1.0001	2.355	2.270	0.0932
5/L25	6/L25	300	3	1.10E-06	0.00283	0.5804	0.0000	6.0000	0.01699	1.0001	2.270	2.185	0.0932
6/L25	7/L25	300	3	1.10E-06	0.00283	0.5804	0.0000	6.0000	0.01699	1.0001	2.185	2.080	0.0932
7/L25	8/L25	300	3	1.10E-06	0.00283	0.5804	0.0000	6.0000	0.01699	1.0001	2.080	1.975	0.0932
8/L25	9/L25	300	3	1.10E-06	0.00487	0.5940	0.0000	6.0000	0.02924	1.0001	1.975	1.875	0.0755
9/L25	10/L25	300	3	1.10E-06	0.00487	0.5940	0.0000	6.0000	0.02924	1.0001	1.875	1.791	0.0755
1/L26	2/L26	900	3	1.10E-06	0.09558	0.7177	0.0000	4.0000	0.38234	1.0349	3.850	3.760	0.6286
2/L26	5/L23	900	3	1.10E-06	0.10369	0.7344	0.0000	4.0000	0.41475	1.0536	3.760	3.270	0.6286
1/L27	2/L27	450	3	1.10E-06	0.00869	0.5915	0.0000	6.0000	0.05214	1.0000	1.850	1.737	0.1850
2/L27	3/L27	450	3	1.10E-06	0.00869	0.5915	0.0000	6.0000	0.05214	1.0000	1.737	1.650	0.1850
3/L27	4/L27	450	3	1.10E-06	0.00869	0.5915	0.0000	6.0000	0.05214	1.0000	1.650	1.543	0.1850
4/L27	5/L27	450	3	1.10E-06	0.01030	0.6250	0.0000	5.0000	0.05148	1.0000	1.543	1.456	0.1859
5/L27	6/L27	450	3	1.10E-06	0.01030	0.6250	0.0000	5.0000	0.05148	1.0000	1.456	1.336	0.1859
6/L27	7/L27	600	3	1.10E-06	0.02965	0.6779	0.0000	4.0000	0.11860	1.0000	1.186	1.106	0.3001
7/L27	8/L27	600	3	1.10E-06	0.02965	0.6779	0.0000	4.0000	0.11860	1.0000	1.106	0.946	0.3001
8/L27	17/L23	600	3	1.10E-06	0.02965	0.6779	0.0000	4.0000	0.11860	1.0000	0.946	2.100	0.3001
1/L28	2/L28	300	3	1.10E-06	0.00065	0.5099	0.0000	8.0000	0.00522	1.0000	2.100	1.973	0.1557
2/L28	4/L27	300	3	1.10E-06	0.00161	0.5703	0.0000	6.0000	0.00964	0.9999	1.973	1.867	0.1184
1/L29	2/L29	450	3	1.10E-06	0.00927	0.5933	0.0000	6.0000	0.05565	1.0000	2.060	1.980	0.1805
2/L29	3/L29	450	3	1.10E-06	0.00927	0.5933	0.0000	6.0000	0.05565	1.0000	1.980	1.912	0.1805
3/L29	15/L24	450	3	1.10E-06	0.00927	0.5933	0.0000	6.0000	0.05565	1.0000	1.912	1.630	0.1805
1/L32	2/L32	300	3	1.10E-06	0.00312	0.5389	0.0000	8.0000	0.02495	1.0000	1.630	1.470	0.0801
2/L32	10/L24	300	3	1.10E-06	0.00312	0.5389	0.0000	8.0000	0.02495	1.0000	1.470	1.337	0.0801
1/L33	2/L33	450	3	1.10E-06	0.01026	0.5960	0.0000	6.0000	0.06154	1.0000	2.270	2.194	0.1739
2/L33	3/L33	450	3	1.10E-06	0.01038	0.5964	0.0000	6.0000	0.06227	1.0000	2.194	2.034	0.1732
3/L33	4/L33	450	3	1.10E-06	0.01434	0.5750	0.0000	6.0000	0.08607	1.0000	2.034	1.934	7.4048
4/L33	5/L33	1800	3	1.10E-06	0.02499	0.6120	0.0000	5.0000	0.12493	1.0000	-3.260	-3.296	6.3062
5/L33	6/L33	1800	3	1.10E-06	0.02499	0.6120	0.0000	5.0000	0.12493	1.0000	-3.296	-3.362	6.3062
6/L33	7/L33	1800	3	1.10E-06	0.03401	0.6565	0.0000	4.0000	0.13605	1.0001	-3.362	-3.425	6.0813

Sewerage Hydraulic Calculation

7/10/01

Us_Mh	Ds_Mh	Pipe	K _s	KINEMATIC	ADWF ¹	AVG_VEL	ADDITIONAL ²	PF	P FLOW ³	PEAK_VEL	US_INVERT	DS_INVERT	CAPACITY
7/L33	8/L33	1800	3	1.10E-06	0.03401	0.6565	0.0000	4.0000	0.13605	1.0001	-3.425	-3.482	6.0313
8/L33	21/L23	1800	3	1.10E-06	0.03401	0.6565	0.0000	4.0000	0.13605	1.0001	-3.482	-3.548	6.0313
2/L34	3/L34	450	3	1.10E-06	0.00976	0.5946	0.0000	6.0000	0.05855	1.0000	1.855	1.581	0.1771
3/L34	4/L34	450	3	1.10E-06	0.00976	0.5946	0.0000	6.0000	0.05855	1.0000	1.581	1.454	0.1771
4/L34	5/L34	450	3	1.10E-06	0.00976	0.5946	0.0000	6.0000	0.05855	1.0000	1.454	1.351	0.1771
5/L34	6/L34	450	3	1.10E-06	0.01055	0.6256	0.0000	5.0000	0.05276	1.0000	1.351	1.253	0.1841
6/L34	4/L33	450	3	1.10E-06	0.01064	0.6259	0.0000	5.0000	0.05321	1.0000	1.253	1.197	0.1835
1/L35	2/L35	300	3	1.10E-06	0.00039	0.5497	0.0000	6.0000	0.00234	1.0001	4.150	4.050	0.2264
2/L35	3/L35	450	3	1.10E-06	0.01475	0.6095	0.0000	6.0000	0.08848	1.0001	3.900	3.637	0.1537
3/L35	21/L23	450	3	1.10E-06	0.01475	0.6095	0.0000	6.0000	0.08848	1.0001	3.637	3.719	0.1537
1/L36	2/L36	450	3	1.10E-06	0.01552	1.0313	0.0000	6.0000	0.09309	1.7405	2.072	2.012	0.3188
2/L36	3/L36	450	3	1.10E-06	0.01552	0.8627	0.0000	6.0000	0.09309	1.4436	2.012	1.952	0.2468
3/L36	4/L36	450	3	1.10E-06	0.01552	0.9082	0.0000	6.0000	0.09309	1.5236	1.952	1.880	0.2656
4/L36	5/L36	450	3	1.10E-06	0.01948	0.7981	0.0000	4.0000	0.07792	1.1816	1.880	1.812	0.2004
5/L36	PS9	600	3	1.10E-06	0.02664	0.6748	0.0000	4.0000	0.10656	1.0001	1.662	1.590	0.3118
1/L37	2/L37	300	3	1.10E-06	0.00162	0.5246	0.0000	8.0000	0.01296	1.0000	2.848	2.808	0.1043
2/L37	3/L37	300	3	1.10E-06	0.00162	0.5246	0.0000	8.0000	0.01296	1.0000	2.808	1.308	0.1043
3/L37	4/L37	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	1.308	1.148	0.1017
4/L37	5/L37	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	1.148	1.068	0.1017
5/L37	6/L37	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	1.068	1.020	0.1017
6/L37	5/L8	300	3	1.10E-06	0.00172	0.5257	0.0000	8.0000	0.01377	1.0000	1.020	0.870	0.1017
3/L38	4/L38	450	3	1.10E-06	0.01421	0.6711	0.0000	4.0000	0.05683	1.0000	1.270	1.206	0.1791
4/L38	5/L38	450	3	1.10E-06	0.01603	0.6744	0.0000	4.0000	0.06410	1.0000	1.206	1.144	0.1713
5/L38	6/L38	450	3	1.10E-06	0.02066	0.6835	0.0000	4.0000	0.08264	0.9999	1.144	1.076	0.1570
6/L38	7/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	1.076	0.966	0.1502
7/L38	8/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	0.966	0.916	0.1502
8/L38	9/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	0.916	0.836	0.1502
9/L38	10/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	0.836	0.756	0.1502
10/L38	11/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	0.756	0.676	0.1502
11/L38	12/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	0.676	0.596	0.1502
12/L38	13/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	0.596	0.516	0.1502
13/L38	14/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	0.516	0.456	0.1502
14/L38	15/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	0.456	0.396	0.1502
15/L38	16/L38	450	3	1.10E-06	0.02387	0.6907	0.0000	4.0000	0.09549	1.0000	0.396	0.328	0.1502
16/L38	17/L38	600	3	1.10E-06	0.02545	0.6736	0.0000	4.0000	0.10180	1.0000	0.178	0.110	0.3171
17/L38	11/L11	600	3	1.10E-06	0.02545	0.6736	0.0000	4.0000	0.10180	1.0000	0.110	0.050	0.3171
4/L39	5/L39	600	3	1.10E-06	0.04139	0.6913	0.0000	4.0000	0.16554	1.0000	3.986	3.686	0.2692
5/L39	6/L39	600	3	1.10E-06	0.04139	0.6913	0.0000	4.0000	0.16554	1.0000	3.686	3.618	0.2692
6/L39	7/L39	600	3	1.10E-06	0.04151	0.6915	0.0000	4.0000	0.16603	1.0001	3.618	3.538	0.2690
7/L39	8/L39	600	3	1.10E-06	0.04151	0.6915	0.0000	4.0000	0.16603	1.0001	3.538	3.438	0.2690
8/L39	9/L39	750	3	1.10E-06	0.05183	0.6832	0.0000	4.0000	0.20733	1.0001	3.288	3.228	0.4511
9/L39	10/L39	750	3	1.10E-06	0.05183	0.6832	0.0000	4.0000	0.20733	1.0001	3.228	3.152	0.4511

Sewerage Hydraulic Calculation

7/10/01

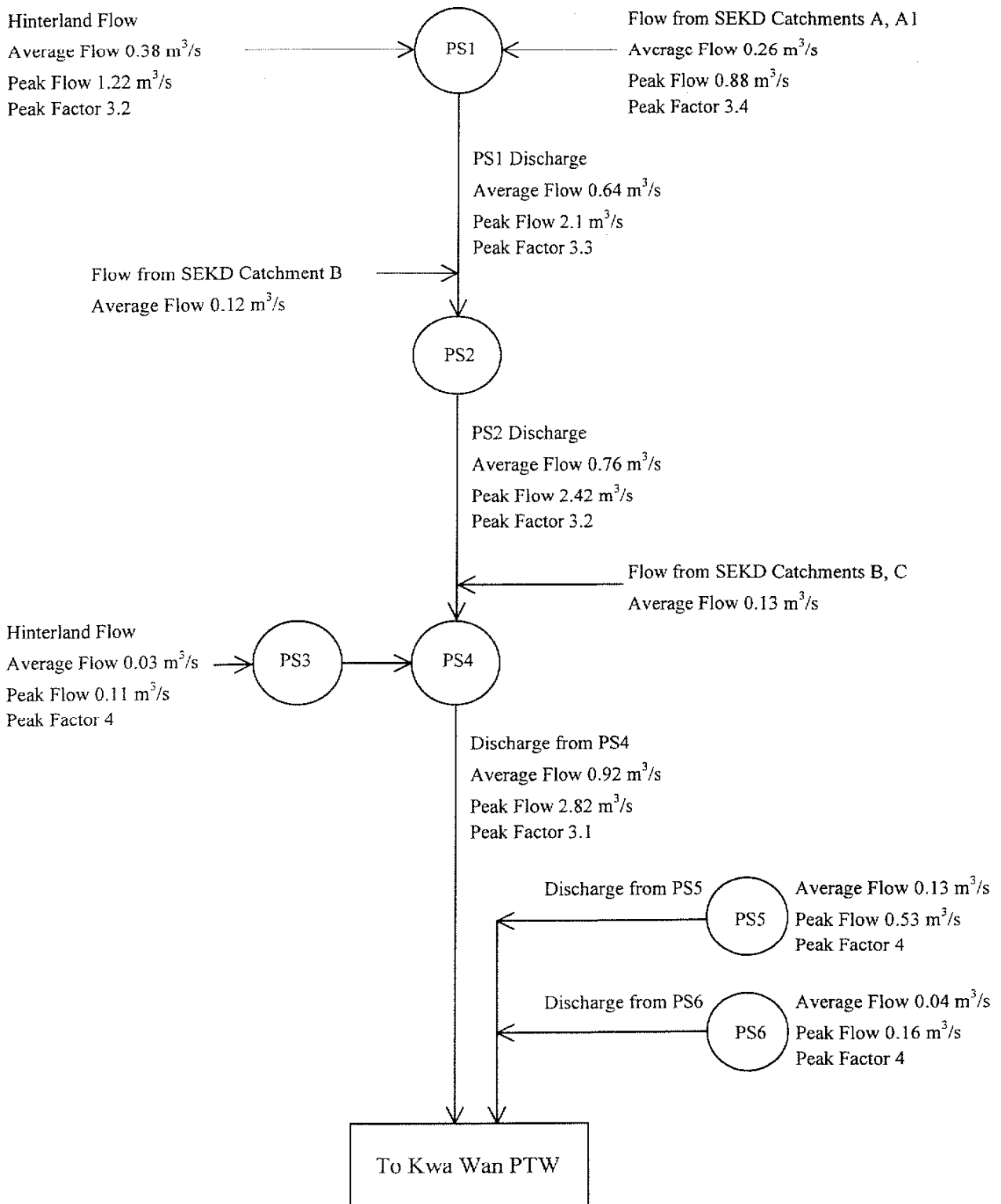
Us_Mh	Ds_Mh	Pipe	K _s	KINEMATIC	ADWF ¹	AVG_VEL	ADDITIONAL ²	PF	P FLOW ³	PEAK_VEL	US_INVERT	DS_INVERT	CAPACITY
10/L39	11/L39	750	3	1.10E-06	0.05183	0.6832	0.0000	4.0000	0.20733	1.0001	3.152	3.114	0.4511
11/L39	12/L39	1800	3	1.10E-06	0.25944	0.8858	0.5071	3.4080	0.88418	1.2519	-2.389	-2.469	3.9120
12/L39	13/L39	1800	3	1.10E-06	0.25944	0.8858	0.5071	3.4080	0.88418	1.2519	-2.469	-2.602	3.9120
13/L39	14/L39	1800	3	1.10E-06	0.25944	0.8858	0.5071	3.4080	0.88418	1.2519	-2.602	-2.683	3.9120
14/L39	PS1	1800	3	1.10E-06	0.25944	0.8858	0.5071	3.4080	0.88418	1.2519	-2.683	-2.712	3.9120
1/L40	2/L40	300	3	1.10E-06	0.00448	0.6756	0.0000	6.0000	0.02690	1.1497	1.900	1.840	0.0944
2/L40	5/L12	450	3	1.10E-06	0.00953	0.5940	0.0000	6.0000	0.05721	1.0000	1.690	1.590	0.1786
6/L42	7/L42	900	3	1.10E-06	0.08428	0.6923	0.0000	4.0000	0.33711	1.0050	1.640	1.519	0.6286
7/L42	8/L42	900	3	1.10E-06	0.08523	0.6946	0.0000	4.0000	0.34090	1.0077	1.519	1.399	0.6286
8/L42	9/L42	900	3	1.10E-06	0.09148	0.7088	0.0000	4.0000	0.36592	1.0246	1.399	1.279	0.6286
9/L42	10/L42	900	3	1.10E-06	0.10442	0.7359	0.0000	4.0000	0.41769	1.0553	1.279	1.207	0.6286
10/L42	11/L42	1800	3	1.10E-06	0.86386	1.2440	2.1042	2.8268	2.44197	1.6180	-2.880	-3.003	3.9120
11/L42	12/L42	1800	3	1.10E-06	0.86521	1.2446	2.1042	2.8199	2.43980	1.6177	-3.003	-3.168	3.9120
12/L42	13/L42	1800	3	1.10E-06	0.86521	1.2446	2.1042	2.8199	2.43980	1.6177	-3.168	-3.348	3.9120
13/L42	14/L42	1800	3	1.10E-06	0.86661	1.2451	2.1042	2.8194	2.44332	1.6182	-3.348	-3.528	3.9120
14/L42	15/L42	1800	3	1.10E-06	0.88397	1.2518	2.1042	2.7404	2.42244	1.6151	-3.528	-3.708	3.9120
15/L42	PS2	1800	3	1.10E-06	0.88397	1.2518	2.1042	2.7404	2.42244	1.6151	-3.708	-3.789	3.9120
8/L43	9/L43	1800	3	1.10E-06	0.88492	1.2522	2.3834	2.7401	2.42477	1.6155	2.270	2.117	3.9120
9/L43	10/L43	1800	3	1.10E-06	0.88627	1.2527	2.3834	2.7346	2.42358	1.6153	2.117	2.010	3.9120
10/L43	11/L43	1800	3	1.10E-06	0.88977	1.2541	2.3834	2.7336	2.43228	1.6166	2.010	1.830	3.9120
11/L43	12/L43	1800	3	1.10E-06	0.88977	1.2541	2.3834	2.7336	2.43228	1.6166	1.830	1.810	3.9120
12/L43	13/L43	1800	3	1.10E-06	0.98004	1.2872	2.3834	2.6784	2.62494	1.6433	1.810	1.720	3.9120
13/L43	14/L43	1800	3	1.10E-06	0.98354	1.2885	2.3834	2.6775	2.63344	1.6444	1.720	1.600	3.9120
14/L43	15/L43	1800	3	1.10E-06	0.98833	1.2902	2.3834	2.6758	2.64458	1.6458	1.600	1.460	3.9120
15/L43	16/L43	1800	3	1.10E-06	0.99831	1.2936	2.3834	2.6722	2.66769	1.6488	1.460	1.390	3.9120
16/L43	17/L43	1800	3	1.10E-06	1.00252	1.2951	2.3834	2.6712	2.67793	1.6501	1.390	1.280	3.9120
17/L43	18/L43	1800	3	1.10E-06	1.01289	1.2987	2.3834	2.6675	2.70189	1.6531	1.280	1.090	3.9120
18/L43	PS4	1800	3	1.10E-06	1.01775	1.3004	2.3834	2.6663	2.71363	1.6546	1.090	1.000	3.9120
1/L44	2/L44	300	3	1.10E-06	0.00341	0.5414	0.0000	8.0000	0.02729	1.0000	2.700	2.517	0.0775
2/L44	3/L44	300	3	1.10E-06	0.00341	0.5414	0.0000	8.0000	0.02729	1.0000	2.517	2.334	0.0775
3/L44	4/L44	300	3	1.10E-06	0.00341	0.5414	0.0000	8.0000	0.02729	1.0000	2.334	2.151	0.0775
4/L44	5/L44	300	3	1.10E-06	0.00341	0.5414	0.0000	8.0000	0.02729	1.0000	2.151	1.970	0.0775
5/L44	6/L44	450	3	1.10E-06	0.01355	0.6057	0.0000	6.0000	0.08132	1.0001	1.970	1.805	0.1579
6/L44	7/L44	450	3	1.10E-06	0.01355	0.6057	0.0000	6.0000	0.08132	1.0001	1.805	1.640	0.1579
7/L44	14/L11	450	3	1.10E-06	0.01355	0.6057	0.0000	6.0000	0.08132	1.0001	1.640	1.453	0.1579

Note 1 ADWF of pipe by cumulative population U/S

Note 2 Pump flow from network besides

Note 3 Peak flow of pipe by cumulative population U/S

SCHEMATIC DIAGRAM OF SEKD SEWAGE FLOW TO TO KWA WAN PTW



Flow from SEKD Sewerage System arriving at TKW PTW : PS4 + PS5 + PS6 Flows

Average Flow	= 1.09
Peak Flow	= 3.51
Peak Flow	= 3.2

Flow Projection - To Kwa Wan PTW

Sub-Catchment	2011 Population Forecast						2011 Flow Factors					
	Private	Public	Inst	E1	E1>E4	E5	Private	Public	Inst	E1	E1>E4	E5
Kowloon Tsai Park	12,760	4,957	523	0	413	3,845	0.21	0.167	0.21	0.085	0.2	0.203
W. San Po Koug	10,485	0	31	84	3,208	819	0.195	0.167	0.21	0.226	0.2	0.599
Kowloon City	22,471	16,228	164	438	4,786	9,124	0.195	0.167	0.21	0.226	0.2	0.599
Wang Tau Hom	2,145	39,065	335	37	1,128	3,487	0.195	0.167	0.21	0.226	0.2	0.599
Wong Tai Sin	1	61,125	1,555	10	1,126	4,215	0.195	0.167	0.21	0.226	0.2	0.599
Kai Tak (existing)	840	1,979	0	7	76	286	0.195	0.167	0.21	0.226	0.2	0.599
Hok Yuen	28,012	5,500	438	9,921	17,508	3,235	0.195	0.167	0.21	0.149	0.2	0.742
To Kwa Wan	70,462	11,405	4,534	6,098	10,088	6,938	0.195	0.167	0.21	0.149	0.2	0.742
Nia Tau Wan	56,715	7,358	293	10,776	4,473	7,669	0.195	0.167	0.21	0.074	0.2	0.43
Hung Hom	32,191	4,275	165	1,589	4,473	4,557	0.195	0.167	0.21	0.149	0.2	0.742
Hung Hom Reclam.	18,500	7,500	0	0	21,000	9,000	0.21	0.167	0.21	0.149	0.2	0.742
Whampoa	22,789	0	0	0	6,437	6,071	0.195	0.167	0.21	0.149	0.2	0.742
Tsim Sha Tsui E	462	0	0	28	19,742	13,748	0.195	0.167	0.21	0.072	0.2	0.83
Chatham Rd	7,756	0	46	911	33,768	15,521	0.195	0.167	0.21	0.072	0.2	0.83
Nathan Rd	5,591	0	1,198	1,805	17,700	11,971	0.195	0.167	0.21	0.072	0.2	0.83
Canton Rd	1,094	0	21	178	23,552	11,743	0.195	0.167	0.21	0.072	0.2	0.83
Ho Mau Tin	1,574	23,918	3,244	0	1,174	5,919	0.195	0.167	0.21	0.074	0.2	0.43
K.T./K.B.	93,212	40,195	0	4,732	24,309	28,810	0.210	0.167	0.210	0.156	0.200	0.700
Total	392,490	223,595	12,517	36,704	194,913	146,961						

Sub-Catchment	2011 ADWF (m3/sec)						
	Private	Public	Inst	E1	E1>E4	E5	Total
Kowloon Tsai Park	0.03	0.01	1.27E-03	0.00	0.00	0.01	0.05
W. San Po Koug	0.02	0.00	7.53E-05	0.00	0.01	0.01	0.04
Kowloon City	0.06	0.03	3.99E-04	0.00	0.01	0.06	0.17
Wang Tau Hom	0.00	0.08	8.14E-04	0.00	0.00	0.02	0.11
Wong Tai Sin	0.00	0.12	3.78E-03	0.00	0.00	0.03	0.15
Kai Tak (existing)	0.00	0.00	0.00E+00	0.00	0.00	0.00	0.01
Hok Yuen	0.06	0.01	1.06E-03	0.02	0.04	0.03	0.16
To Kwa Wan	0.16	0.02	1.10E-02	0.01	0.02	0.06	0.29
Nia Tau Wan	0.13	0.01	7.42E-04	0.01	0.01	0.04	0.20
Hung Hom	0.07	0.01	4.01E-04	0.00	0.01	0.01	0.13
Hung Hom Reclam.	0.04	0.01	0.00E+00	0.00	0.05	0.08	0.19
Whampoa	0.05	0.00	0.00E+00	0.00	0.01	0.05	0.12
Tsim Sha Tsui E	0.00	0.00	0.00E+00	0.00	0.05	0.13	0.18
Chatham Rd	0.02	0.00	1.12E-04	0.00	0.08	0.15	0.25
Nathan Rd	0.01	0.00	2.91E-03	0.00	0.05	0.11	0.17
Canton Rd	0.00	0.00	5.10E-05	0.00	0.05	0.11	0.17
Ho Mau Tin	0.00	0.05	7.88E-03	0.00	0.00	0.03	0.09
K.T./K.B.	0.23	0.08	0.00	0.01	0.06	0.23	0.60
Total Flows (m3/s)	0.91	0.43	3.05E-02	0.05	0.45	1.20	3.07

Year 2011 3.33 ADWF (m3/s)

SSOS STAGE 1 DESIGN CALCULATIONS

Flow Projection - Kwun Tong PTW

Sub-Catchment	2011 Population Forecast						2011 Flow Factors					
	Private	Public	Inst	E1	E2 > E4	E5	Private	Public	Inst	E1	E2 > E4	E5
Yau Tong	0	35,368	102	10,347	2,122	3,823	0.195	0.167	0.21	1.148	0.2	0.497
Yau Tong Bay	18,000	0	0	0	1,152	0	0.21	0.167	0.21	0.156	0.2	0.7
Sau Mau Ping	33,380	117,313	1,328	244	6,958	17,096	0.195	0.167	0.21	0.424	0.2	0.618
LT/KT/CKL	35,550	87,181	841	72,312	22,657	18,299	0.195	0.167	0.21	0.424	0.2	0.618
Tsz Wan Shan	14,801	86,697	2,666	588	3,576	11,773	0.195	0.167	0.21	0.226	0.2	0.599
Ngau Chi Wan	16,302	107,937	488	2,665	35,857	9,963	0.195	0.167	0.21	0.424	0.2	0.618
Ngau Chi Wan S	0	29,092	111	44,171	11,871	10,164	0.195	0.167	0.21	0.424	0.2	0.618
Ngau Tau Kok	44,252	60,663	288	35,407	24,693	11,270	0.195	0.167	0.21	0.424	0.2	0.618
E San Po Kong	0	0	319	40,303	2,107	3,372	0.195	0.167	0.21	0.226	0.2	0.599
KT/KB	62,141	26,797	0	3,155	16,206	19,207	0.210	0.167	0.210	0.156	0.200	0.700
Total	224,426	551,048	6,143	209,192	127,199	104,967						

Sub-Catchment	2011 ADWF (m3/sec)						
	Private	Public	Inst	E1	E2 > E4	E5	Total
Yau Tong	0.00	0.07	2.48E-04	0.14	0.00	0.02	0.23
Yau Tong Bay	0.04	0.00	0.00E+00	0.00	0.00	0.00	0.05
Sau Mau Ping	0.08	0.23	3.23E-03	0.00	0.02	0.12	0.44
LT/KT/CKL	0.08	0.17	2.04E-03	0.35	0.05	0.13	0.79
Tsz Wan Shan	0.03	0.17	6.48E-03	0.00	0.01	0.08	0.30
Ngau Chi Wan	0.04	0.21	1.19E-03	0.01	0.08	0.07	0.41
Ngau Chi Wan S	0.00	0.06	2.70E-04	0.22	0.03	0.07	0.37
Ngau Tau Kok	0.10	0.12	7.00E-04	0.17	0.06	0.08	0.53
E San Po Kong	0.00	0.00	7.75E-04	0.11	0.00	0.02	0.13
KT/KB	0.15	0.05	0.00	0.01	0.04	0.16	0.40
Total Flows (m3/s)	0.52	1.07	1.49E-02	1.01	0.29	0.76	3.67

Year 2021

3.85 ADWF (m3/s)

SSDS STAGE 1 DESIGN CALCULATIONS

Table 6.2 Residential Population by Housing Type

Use	Flats			Flat Mix (%)	Population			Pop Mix (%)
	TKW PTW	KT PTW	Total		TKW PTW	KT PTW	Total	
South East Kowloon¹								
Public Housing 2006					67,955		67,955	86.8
Private Housing 2006					10,339		10,339	13.2
Sub Total 2006					78,294		78,294	100.0
Public Housing 2011					67,955		67,955	75.6
Private Housing 2011					21,881		21,881	24.4
Sub Total 2011					89,836		89,836	100.0
Public Housing ultimate	22,218	18,298	40,516	46.1	67,955	56,271	124,226	48.0
Private Housing ultimate	32,604	14,810	47,414	53.9	98,013	40,956	138,969	52.0
Sub-total	54,822	33,108	87,930	100.0	165,968	97,227	263,195	100.0
Adjoining Sites²								
Private Housing	3,500	0	3,500		10,115	0	10,115	
Total	58,322	33,108	91,430		176,083	97,227	273,310	

Table 6.4 Estimated Sewage Flows from SEKD

Year	To Kwun Tong PTW		To To Kwa Wan PTW		
	Ultimate		2006	2011	Ultimate
Residential Flow (m ³ /day)	25,243		18791	21561	39718
Educational Flow (m ³ /day)	354		391	518	944
Employment Flow (m ³ /day)	11,692		4026	5436	14947
Total Average Flow (m³/day)	38,825		23207	27514	57,735
Total Average Flow (m³/s)	0.45		0.27	0.32	0.67

KT PTW Daily Peak Flow
(23 Jun 00 - 23 Sep 00)

