

**TABLE 1
WATSON BRANCH DRAINAGE BASIN
DEVELOPMENT OF SANITARY SEWER FLOWS**

Area Number	Description	Total Acreage	Total Undeveloped Acreage	No. Of Existing Developed Lots	No. Of Lots Planned (Planning Dept.)	Office/Retail SF Possible	Prop. Density F.A.R. (Units/ Acre)	Population In Area 2.55/unit	Incremental Flow {GPD/Unit(S.F.)}	Ave. Flow (GPD)	Peaking Factor	Total Average Flow (MGD)	Total Peak Flow (MGD)	Area Number
1	Harpeth Industrial / Harlinsdale Farms Area	273	0	80		544,500	0.28 / 2.50	204	350 / 0.15	109,675	3.25	0.110	0.356	1
2	Mack Hatcher (west side) & Liberty Pike Area	613	0	896	224	1,146,500	0.28 / 2.50	2285	350 / 0.15	563,975	3.25	0.564	1.833	2
3	Mack Hatcher (east side) & Liberty Pike Area	229	0	482				1229	350 / 0.15	168,700	3.25	0.169	0.548	3
4	I-65 (west side) & Liberty Pike Area	246	0	830				2117	350 / 0.15	290,500	3.25	0.291	0.944	4
5	I-65 (east side) & Liberty Pike Area	298	179	24	40	1,695,355	0.28 / 2.50	163	350 / 0.15	433,328	3.25	0.433	1.408	5
6	South of Liberty Pike & North of Clovercroft	575	122	173	132		0.28 / 2.50	1219	350 / 0.15	213,500	3.25	0.214	0.694	6
7	Clovercroft Road Area (Villages of Clovercroft)	405	60	146	36		0.28 / 2.50	847	350 / 0.15	116,200	3.25	0.116	0.378	7
8	South and East of I-65 / Murfreesboro Road (Hurstbourne)	382	0	127	202		0.28 / 2.50	839	350 / 0.15	115,150	3.25	0.115	0.374	8
9	Intersection of I-65 & Murfreesboro Road (East side)	489	102	815		3,390,710	0.28 / 2.50	2078	350 / 0.15	883,107	3.25	0.883	2.870	9
10	Intersection of I-65 & Murfreesboro Road (West side)	245	0	0	40	2,988,216	0.28 / 2.50	102	350 / 0.15	462,232	3.25	0.462	1.502	10
11	NE corner at intersection of Mack Hatcher & Murfreesboro Rd	200	0	461		60,984	0.28 / 2.50	1176	350 / 0.15	170,498	3.25	0.170	0.554	11
12	NW corner at intersection of Mack Hatcher & Murfreesboro Rd	396	0	702	30	195,149	0.28 / 2.50	1867	350 / 0.15	285,472	3.25	0.285	0.928	12
13	SW corner at intersection of Mack Hatcher & Murfreesboro Rd	183	0	151	48	97,574	0.28 / 2.50	507	350 / 0.15	84,286	3.25	0.084	0.274	13
14	SE corner at intersection of Mack Hatcher & Murfreesboro Rd	277	0	805		1,707,552	0.28 / 2.50	2053	350 / 0.15	537,883	3.25	0.538	1.748	14
15	Intersection of S. Royal Oaks & Mack Hatcher (East side)	149	0	56	300	683,021	0.28 / 2.50	908	350 / 0.15	227,053	3.25	0.227	0.738	15
16	Forrest Crossing Subdivision Area	590	0	1,052			0.28 / 2.50	2683	350 / 0.15	368,200	3.25	0.368	1.197	16
17	SW corner at intersection of Mack Hatcher & Lewisburg Pike	400	0	706	358	561,053	0.28 / 2.50	2713	350 / 0.15	456,558	3.25	0.457	1.484	17
18	Mack Hatcher & Donelson Creek Parkway (Sullivan Farms)	422	0	800	87		0.28 / 2.50	2262	350 / 0.15	310,450	3.25	0.310	1.009	18
19	NW corner at intersection of Mack Hatcher & Lewisburg Pike	200	0	36			0.28 / 2.50	92	350 / 0.15	12,600	3.25	0.013	0.041	19
20	South side of Lewisburg Pike / East side of Railroad	338	35	154		439,085	0.28 / 2.50	616	350 / 0.15	150,388	3.25	0.150	0.489	20
21	Intersection of Mack Hatcher & Columbia Ave.	862	197	0		7,683,984	0.28 / 2.50	0	350 / 0.15	1,324,973	3.25	1.325	4.306	21
22	Intersection of Downs Blvd. & Columbia Ave.	171	0	200	24	975,744	0.28 / 2.50	571	350 / 0.15	224,762	3.25	0.225	0.730	22
23	East side of Harpeth River @ Murfreesboro Road	82	0	73			0.28 / 2.50	186	350 / 0.15	25,550	3.25	0.026	0.083	23
24	Intersection of S. Royal Oaks & Mack Hatcher (West side)	93	0	244			0.28 / 2.50	622	350 / 0.15	85,400	3.25	0.085	0.278	24
	Goose Creek Pump Station									3,015,000		3.015	10.000	GC
	Totals	8,118	695	9,013	1,521	22,169,427		27,337		10,635,439		10.635	34.766	