

TABLE C-1

Inlet Calculations System (Segment B-Mainline Stations from 186-97.30 to 399+57.70)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
B1-1	B1-1	On Grade	Grate	0.414	0.374	0.04	0.159	3.383	n/a	3.438	1.135	3.902	9.146
B1-2	B1-2	On Grade	Grate	0.903	0.652	0.291	0.161	7.574	n/a	3.438	1.135	3.902	9.146
B1-3	B1-3	On Grade	Grate	0.902	0.776	0.417	0.172	8.579	n/a	3.438	1.135	3.902	9.146
B1-4	B1-4	On Grade	Grate	0.901	0.84	0.478	0.178	8.906	n/a	3.438	1.135	3.902	9.146
B1-5	B1-5	On Grade	Grate	0.851	0.845	0.484	0.179	8.933	n/a	3.438	1.135	3.902	9.146
B1-6	B1-6	On Grade	Grate	0.851	0.848	0.486	0.179	8.947	n/a	3.438	1.135	3.902	9.146
B1-7	B1-7	On Grade	Grate	0.851	0.783	0.554	0.16	7.987	n/a	3.438	1.135	3.902	9.146
B1-8	B1-8	On Grade	Grate	0.92	0.796	0.678	0.15	7.497	n/a	3.438	1.135	3.902	9.146
B1-9	B1-9	On Grade	Grate	0.902	0.816	0.764	0.144	7.22	n/a	3.438	1.135	3.902	9.146
B5-1	B5-1	On Grade	Grate	0.986	0.792	0.194	0.204	4.33	n/a	3.438	1.135	3.902	9.146
B5-2	B5-2	On Grade	Grate	0.986	0.895	0.285	0.191	4.067	n/a	3.438	1.135	3.902	9.146
B5-3	B5-3	On Grade	Grate	0.986	0.945	0.327	0.187	3.972	n/a	3.438	1.135	3.902	9.146
B5-4	B5-4	On Grade	Grate	0.986	0.97	0.344	0.189	4.02	n/a	3.438	1.135	3.902	9.146
B5-5	B5-5	On Grade	Grate	0.986	0.982	0.349	0.194	4.125	n/a	3.438	1.135	3.902	9.146
B5-6	B5-6	On Grade	Grate	0.986	1.019	0.316	0.226	4.803	n/a	3.438	1.135	3.902	9.146
B5-7	B5-7	On Grade	Grate	1.14	0.935	0.205	0.231	4.049	n/a	3.438	1.135	3.902	9.146
B5-8	B5-8	On Grade	Grate	1.14	1.05	0.295	0.216	3.782	n/a	3.438	1.135	3.902	9.146
B5-9	B5-9	On Grade	Grate	1.14	1.102	0.334	0.205	3.591	n/a	3.438	1.135	3.902	9.146
B6-1	B6-1	On Grade	Grate	1.179	0.981	0.198	0.253	4.437	n/a	3.438	1.135	3.902	9.146
B6-2	B6-2	On Grade	Grate	1.294	1.203	0.288	0.276	4.845	n/a	3.438	1.135	3.902	9.146
B6-3	B6-3	On Grade	Grate	1.182	1.189	0.282	0.275	4.82	n/a	3.438	1.135	3.902	9.146
B6-4	B6-4	On Grade	Grate	1.179	1.182	0.279	0.274	4.808	n/a	3.438	1.135	3.902	9.146
B6-5	B6-5	On Grade	Grate	0.887	0.763	0.123	0.227	3.987	n/a	3.438	1.135	3.902	9.146
B6-6	B6-6	On Grade	Grate	1.096	1.122	0.253	0.268	4.7	n/a	3.438	1.135	3.902	9.146
B6-7	B6-7	On Grade	Grate	1.677	1.5	0.431	0.304	5.337	n/a	3.438	1.135	3.902	9.146
B6-8	B6-8	On Grade	Grate	1.789	1.629	0.59	0.303	6.165	n/a	3.438	1.135	3.902	9.146
B6-9	B6-9	On Grade	Grate	0.801	1	0.391	0.218	6.695	n/a	3.438	1.135	3.902	9.146
B7-1	B7-1	On Grade	Grate	0.994	0.801	0.192	0.213	4.964	n/a	3.438	1.135	3.902	9.146
B7-2	B7-2	On Grade	Grate	0.983	0.926	0.25	0.227	5.286	n/a	3.438	1.135	3.902	9.146
B7-3	B7-3	On Grade	Grate	0.973	0.915	0.308	0.203	4.712	n/a	3.438	1.135	3.902	9.146
B7-4	B7-4	On Grade	Grate	1.003	1.016	0.296	0.237	5.507	n/a	3.438	1.135	3.902	9.146
B7-5	B7-5	On Grade	Grate	0.988	0.998	0.286	0.235	5.463	n/a	3.438	1.135	3.902	9.146
B7-6	B7-6	On Grade	Grate	0.988	0.946	0.328	0.206	4.785	n/a	3.438	1.135	3.902	9.146
B7-7	B7-7	On Grade	Grate	1.008	0.984	0.352	0.209	4.87	n/a	3.438	1.135	3.902	9.146
B7-8	B7-8	On Grade	Grate	1.008	0.998	0.362	0.211	4.903	n/a	3.438	1.135	3.902	9.146
B7-9	B7-9	On Grade	Grate	1.008	1.004	0.366	0.211	4.916	n/a	3.438	1.135	3.902	9.146
B1-10	B1-10	On Grade	Grate	0.902	0.838	0.828	0.141	7.057	n/a	3.438	1.135	3.902	9.146
B1-11	B1-11	On Grade	Grate	0.902	0.888	0.843	0.155	7.648	n/a	3.438	1.135	3.902	9.146
B1-12	B1-12	On Grade	Grate	0.902	1.023	0.722	0.189	7.818	n/a	3.438	1.135	3.902	9.146
B1-13	B1-13	On Grade	Grate	0.414	0.81	0.326	0.189	6.884	n/a	3.438	1.135	3.902	9.146
B1-14	B1-14	On Grade	Grate	0.715	0.42	0.296	0.109	10.336	n/a	3.438	1.135	3.902	9.146
B1-15	B1-15	On Grade	Grate	1.031	1.078	0.575	0.208	6.697	n/a	3.438	1.135	3.902	9.146
B1-16	B1-16	On Grade	Grate	0.923	0.988	0.51	0.192	5.731	n/a	3.438	1.135	3.902	9.146
B1-17	B1-17	On Grade	Grate	1.31	1.132	0.688	0.194	5.621	n/a	3.438	1.135	3.902	9.146
B1-18	B1-18	On Grade	Grate	1.266	1.181	0.772	0.189	5.475	n/a	3.438	1.135	3.902	9.146
B1-19	B1-19	On Grade	Grate	1.502	1.325	0.949	0.202	5.846	n/a	3.438	1.135	3.902	9.146
B1-20	B1-20	On Grade	Grate	1.541	1.461	1.029	0.229	6.647	n/a	3.438	1.135	3.902	9.146
B1-21	B1-21	On Grade	Grate	1.562	1.695	0.897	0.285	8.25	n/a	3.438	1.135	3.902	9.146
B1-22	B1-22	Sag	Grate	1.723	7.415	0	0.318	9.22	n/a	3.438	1.135	3.902	9.146
B1-23	B1-23	On Grade	Grate	0.902	0.567	0.336	0.137	9.45	n/a	3.438	1.135	3.902	9.146
B1-24	B1-24	On Grade	Grate	0.903	0.762	0.476	0.164	9.631	n/a	3.438	1.135	3.902	9.146
B1-25	B1-25	On Grade	Grate	0.902	0.87	0.508	0.181	9.056	n/a	3.438	1.135	3.902	9.146
B1-26	B1-26	On Grade	Grate	0.902	0.886	0.524	0.183	9.135	n/a	3.438	1.135	3.902	9.146
B1-27	B1-27	On Grade	Grate	0.85	0.868	0.506	0.181	9.046	n/a	3.438	1.135	3.902	9.146
B1-28	B1-28	On Grade	Grate	0.851	0.859	0.498	0.18	9.003	n/a	3.438	1.135	3.902	9.146
B1-29	B1-29	On Grade	Grate	0.851	0.787	0.561	0.16	7.998	n/a	3.438	1.135	3.902	9.146
B1-30	B1-30	On Grade	Grate	0.905	0.793	0.674	0.15	7.482	n/a	3.438	1.135	3.902	9.146
B1-31	B1-31	On Grade	Grate	0.902	0.815	0.761	0.144	7.211	n/a	3.438	1.135	3.902	9.146
B1-32	B1-32	On Grade	Grate	0.902	0.837	0.827	0.141	7.052	n/a	3.438	1.135	3.902	9.146
B1-33	B1-33	On Grade	Grate	0.902	0.858	0.871	0.151	8.048	n/a	3.438	1.135	3.902	9.146
B1-34	B1-34	On Grade	Grate	0.451	0.637	0.685	0.127	9.414	n/a	3.438	1.135	3.902	9.146
B1-35	B1-35	On Grade	Grate	0.15	0.424	0.411	0.101	9.315	n/a	3.438	1.135	3.902	9.146
B1-36	B1-36	On Grade	Grate	0.201	0.195	0.006	0.13	2.174	n/a	3.438	1.135	3.902	9.146
B1-37	B1-37	On Grade	Grate	1.692	1.159	0.95	0.2	9.153	n/a	3.438	1.135	3.902	9.146
B1-38	B1-38	On Grade	Grate	0.883	1.125	0.709	0.201	6.527	n/a	3.438	1.135	3.902	9.146
B1-39	B1-39	On Grade	Grate	1.192	1.171	0.73	0.198	5.726	n/a	3.438	1.135	3.902	9.146
B1-40	B1-40	On Grade	Grate	1.119	1.133	0.715	0.185	5.376	n/a	3.438	1.135	3.902	9.146
B1-41	B1-41	On Grade	Grate	1.266	1.195	0.787	0.191	5.539	n/a	3.438	1.135	3.902	9.146
B1-42	B1-42	On Grade	Grate	1.264	1.257	0.793	0.212	6.133	n/a	3.438	1.135	3.902	9.146

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INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
B1-43	B1-43	On Grade	Grate	1.27	1.385	0.678	0.254	7.356	n/a	3.438	1.135	3.902	9.146
B1-44	B1-44	Sag	Grate	1.411	7.415	0	0.278	8.049	n/a	3.438	1.135	3.902	9.146
B1-45	B1-45	On Grade	Grate	0.553	0.459	0.094	0.113	2.825	n/a	3.438	1.135	3.902	9.146
B1-46	B1-46	On Grade	Grate	1.69	1.162	0.623	0.175	4.381	n/a	3.438	1.135	3.902	9.146
B1-47	B1-47	On Grade	Grate	1.697	1.415	0.904	0.193	4.833	n/a	3.438	1.135	3.902	9.146
B1-48	B1-48	On Grade	Grate	2.17	1.743	1.332	0.215	5.371	n/a	3.438	1.135	3.902	9.146
B1-49	B1-49	On Grade	Grate	2.131	1.9	1.562	0.225	5.615	n/a	3.438	1.135	3.902	9.146
B1-50	B1-50	On Grade	Grate	1.712	1.373	1.9	0.174	8.155	n/a	3.438	1.135	3.902	9.146
B1-51	B1-51	On Grade	Grate	0.856	1.336	1.42	0.199	8.311	n/a	3.438	1.135	3.902	9.146
B1-52	B1-52	On Grade	Grate	0.856	1.236	1.04	0.196	7.038	n/a	3.438	1.135	3.902	9.146
B1-53	B1-53	On Grade	Grate	1.64	1.5	1.179	0.223	6.658	n/a	3.438	1.135	3.902	9.146
B1-54	B1-54	On Grade	Grate	1.392	0.961	0.431	0.16	3.992	n/a	3.438	1.135	3.902	9.146
B1-55	B1-55	On Grade	Grate	0.732	0.836	0.328	0.149	3.732	n/a	3.438	1.135	3.902	9.146
B1-56	B1-56	On Grade	Grate	1.97	1.405	0.892	0.193	4.816	n/a	3.438	1.135	3.902	9.146
B1-57	B1-57	On Grade	Grate	1.761	1.564	1.09	0.203	5.083	n/a	3.438	1.135	3.902	9.146
B1-58	B1-58	On Grade	Grate	1.418	0.966	1.542	0.138	9.191	n/a	3.438	1.135	3.902	9.146
B1-59	B1-59	On Grade	Grate	1.631	1.095	2.078	0.147	10.48	n/a	3.438	1.135	3.902	9.146
B1-60	B1-60	On Grade	Grate	1.302	1.692	1.688	0.204	6.41	n/a	3.438	1.135	3.902	9.146
B5-10	B5-10	On Grade	Grate	1.254	1.196	0.392	0.202	3.546	n/a	3.438	1.135	3.902	9.146
B5-11	B5-11	On Grade	Grate	1.445	1.343	0.494	0.213	3.745	n/a	3.438	1.135	3.902	9.146
B5-12	B5-12	On Grade	Grate	1.017	0.832	0.185	0.171	3.001	n/a	3.438	1.135	3.902	9.146
B5-13	B5-13	On Grade	Grate	1.874	1.717	0.836	0.239	4.322	n/a	3.438	1.135	3.902	9.146
B5-14	B5-14	On Grade	Grate	1.545	1.532	0.849	0.219	4.669	n/a	3.438	1.135	3.902	9.146
B5-15	B5-15	On Grade	Grate	1.429	1.271	1.007	0.186	5.871	n/a	3.438	1.135	3.902	9.146
B5-16	B5-16	On Grade	Grate	0.701	0.876	0.833	0.144	6.726	n/a	3.438	1.135	3.902	9.146
B5-17	B5-17	On Grade	Grate	0.416	0.589	0.66	0.11	7.664	n/a	3.438	1.135	3.902	9.146
B5-18	B5-18	On Grade	Grate	0.241	0.478	0.423	0.1	6.529	n/a	3.438	1.135	3.902	9.146
B5-19	B5-19	On Grade	Grate	1.558	0.886	1.095	0.14	8.121	n/a	3.438	1.135	3.902	9.146
B5-20	B5-20	On Grade	Grate	1.322	1.369	1.048	0.195	5.723	n/a	3.438	1.135	3.902	9.146
B5-21	B5-21	On Grade	Grate	1.269	1.465	0.852	0.211	4.81	n/a	3.438	1.135	3.902	9.146
B5-22	B5-22	On Grade	Grate	1.269	1.405	0.716	0.21	4.459	n/a	3.438	1.135	3.902	9.146
B5-23	B5-23	On Grade	Grate	1.269	1.342	0.642	0.22	4.671	n/a	3.438	1.135	3.902	9.146
B5-24	B5-24	On Grade	Grate	1.248	1.358	0.532	0.258	5.483	n/a	3.438	1.135	3.902	9.146
B5-25	B5-25	Sag	Grate	1.865	7.415	0	0.254	5.406	n/a	3.438	1.135	3.902	9.146
B5-26	B5-26	On Grade	Grate	0.978	0.819	0.159	0.218	3.823	n/a	3.438	1.135	3.902	9.146
B5-27	B5-27	On Grade	Grate	0.978	0.913	0.224	0.202	3.551	n/a	3.438	1.135	3.902	9.146
B5-28	B5-28	On Grade	Grate	0.978	0.953	0.249	0.192	3.36	n/a	3.438	1.135	3.902	9.146
B5-29	B5-29	On Grade	Grate	1.076	1.034	0.291	0.189	3.314	n/a	3.438	1.135	3.902	9.146
B5-30	B5-30	On Grade	Grate	1.238	1.161	0.369	0.199	3.497	n/a	3.438	1.135	3.902	9.146
B5-31	B5-31	On Grade	Grate	1.502	1.138	0.365	0.197	3.512	n/a	3.438	1.135	3.902	9.146
B5-32	B5-32	On Grade	Grate	1.682	1.645	0.77	0.234	4.233	n/a	3.438	1.135	3.902	9.146
B5-33	B5-33	On Grade	Grate	1.388	1.422	0.737	0.211	4.5	n/a	3.438	1.135	3.902	9.146
B5-34	B5-34	On Grade	Grate	1.297	1.169	0.865	0.178	5.627	n/a	3.438	1.135	3.902	9.146
B5-35	B5-35	On Grade	Grate	0.648	0.802	0.711	0.138	6.427	n/a	3.438	1.135	3.902	9.146
B5-36	B5-36	On Grade	Grate	0.389	0.497	0.603	0.098	8.189	n/a	3.438	1.135	3.902	9.146
B5-37	B5-37	On Grade	Grate	0.227	0.474	0.356	0.101	5.863	n/a	3.438	1.135	3.902	9.146
B5-38	B5-38	On Grade	Grate	1.49	0.724	0.766	0.126	7.3	n/a	3.438	1.135	3.902	9.146
B5-39	B5-39	On Grade	Grate	1.298	1.217	0.847	0.184	5.405	n/a	3.438	1.135	3.902	9.146
B5-40	B5-40	On Grade	Grate	1.287	1.376	0.759	0.205	4.671	n/a	3.438	1.135	3.902	9.146
B5-41	B5-41	On Grade	Grate	1.287	1.367	0.679	0.207	4.399	n/a	3.438	1.135	3.902	9.146
B5-42	B5-42	On Grade	Grate	1.287	1.333	0.634	0.219	4.655	n/a	3.438	1.135	3.902	9.146
B5-43	B5-43	On Grade	Grate	1.796	1.668	0.763	0.285	6.059	n/a	3.438	1.135	3.902	9.146
B5-44	B5-44	Sag	Grate	1.894	7.415	0	0.2	4.255	n/a	3.438	1.135	3.902	9.146
B5-45	B5-45	On Grade	Grate	0.996	0.799	0.197	0.204	4.346	n/a	3.438	1.135	3.902	9.146
B5-46	B5-46	On Grade	Grate	0.997	0.904	0.291	0.192	4.085	n/a	3.438	1.135	3.902	9.146
B5-47	B5-47	On Grade	Grate	0.947	0.924	0.313	0.185	3.932	n/a	3.438	1.135	3.902	9.146
B5-48	B5-48	On Grade	Grate	1.048	0.998	0.364	0.192	4.075	n/a	3.438	1.135	3.902	9.146
B5-49	B5-49	On Grade	Grate	0.997	1	0.361	0.196	4.16	n/a	3.438	1.135	3.902	9.146
B5-50	B5-50	On Grade	Grate	0.997	1.034	0.324	0.227	4.834	n/a	3.438	1.135	3.902	9.146
B6-10	B6-10	On Grade	Grate	0.513	0.581	0.323	0.141	8.997	n/a	3.438	1.135	3.902	9.146
B6-11	B6-11	On Grade	Grate	1.463	1.062	0.725	0.198	10.075	n/a	3.438	1.135	3.902	9.146
B6-12	B6-12	On Grade	Grate	1.023	1.048	0.699	0.198	9.898	n/a	3.438	1.135	3.902	9.146
B6-13	B6-13	On Grade	Grate	1.003	1.027	0.675	0.196	9.801	n/a	3.438	1.135	3.902	9.146
B6-14	B6-14	On Grade	Grate	1.009	0.988	0.696	0.188	9.406	n/a	3.438	1.135	3.902	9.146
B6-15	B6-15	On Grade	Grate	1.003	0.896	0.803	0.162	8.12	n/a	3.438	1.135	3.902	9.146
B6-16	B6-16	On Grade	Grate	1.003	0.905	0.901	0.155	7.728	n/a	3.438	1.135	3.902	9.146
B6-17	B6-17	On Grade	Grate	1.003	0.94	0.963	0.158	7.883	n/a	3.438	1.135	3.902	9.146
B6-18	B6-18	On Grade	Grate	1.253	1.048	1.168	0.167	8.346	n/a	3.438	1.135	3.902	9.146
B6-19	B6-19	On Grade	Grate	1.253	1.123	1.298	0.175	8.751	n/a	3.438	1.135	3.902	9.146
B6-20	B6-20	On Grade	Grate	1.253	1.357	1.194	0.22	11.01	n/a	3.438	1.135	3.902	9.146

TABLE C-1

Inlet Calculations System (Segment B-Mainline Stations from 186+97.30 to 399+57.70)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
B6-21	B6-21	On Grade	Grate	1.255	0.85	0.406	0.187	7.802	n/a	3.438	1.135	3.902	9.146
B6-22	B6-22	On Grade	Grate	1.253	1.062	0.596	0.208	8.66	n/a	3.438	1.135	3.902	9.146
B6-23	B6-23	On Grade	Grate	0.752	0.855	0.493	0.18	8.982	n/a	3.438	1.135	3.902	9.146
B6-24	B6-24	On Grade	Grate	0.501	0.67	0.324	0.16	8.014	n/a	3.438	1.135	3.902	9.146
B6-25	B6-25	On Grade	Grate	1.012	0.858	0.154	0.239	4.189	n/a	3.438	1.135	3.902	9.146
B6-26	B6-26	On Grade	Grate	1.112	1.044	0.222	0.26	4.556	n/a	3.438	1.135	3.902	9.146
B6-27	B6-27	On Grade	Grate	1.013	1.021	0.213	0.257	4.513	n/a	3.438	1.135	3.902	9.146
B6-28	B6-28	On Grade	Grate	1.012	1.014	0.21	0.257	4.5	n/a	3.438	1.135	3.902	9.146
B6-29	B6-29	On Grade	Grate	0.94	0.925	0.225	0.233	4.959	n/a	3.438	1.135	3.902	9.146
B6-30	B6-30	On Grade	Grate	0.21	0.203	0.007	0.133	2.301	n/a	3.438	1.135	3.902	9.146
B6-31	B6-31	On Grade	Grate	1.626	1.447	0.404	0.299	5.253	n/a	3.438	1.135	3.902	9.146
B6-32	B6-32	On Grade	Grate	1.393	1.391	0.406	0.289	5.412	n/a	3.438	1.135	3.902	9.146
B6-33	B6-33	On Grade	Grate	1.124	1.119	0.41	0.238	6.366	n/a	3.438	1.135	3.902	9.146
B6-34	B6-34	On Grade	Grate	1.453	1.115	0.748	0.206	9.893	n/a	3.438	1.135	3.902	9.146
B6-35	B6-35	On Grade	Grate	0.991	1.044	0.695	0.198	9.879	n/a	3.438	1.135	3.902	9.146
B6-36	B6-36	On Grade	Grate	0.913	0.982	0.625	0.192	9.593	n/a	3.438	1.135	3.902	9.146
B6-37	B6-37	On Grade	Grate	0.743	0.865	0.503	0.181	9.031	n/a	3.438	1.135	3.902	9.146
B6-38	B6-38	On Grade	Grate	1.058	0.932	0.629	0.183	9.142	n/a	3.438	1.135	3.902	9.146
B6-39	B6-39	On Grade	Grate	1.003	0.87	0.762	0.16	7.999	n/a	3.438	1.135	3.902	9.146
B6-40	B6-40	On Grade	Grate	1.003	0.89	0.875	0.153	7.662	n/a	3.438	1.135	3.902	9.146
B6-41	B6-41	On Grade	Grate	1.003	0.93	0.947	0.157	7.842	n/a	3.438	1.135	3.902	9.146
B6-42	B6-42	On Grade	Grate	1.253	1.043	1.157	0.166	8.322	n/a	3.438	1.135	3.902	9.146
B6-43	B6-43	On Grade	Grate	1.253	1.12	1.291	0.175	8.736	n/a	3.438	1.135	3.902	9.146
B6-44	B6-44	On Grade	Grate	0.602	0.978	0.914	0.172	8.585	n/a	3.438	1.135	3.902	9.146
B6-45	B6-45	On Grade	Grate	0.652	0.935	0.63	0.183	9.169	n/a	3.438	1.135	3.902	9.146
B6-46	B6-46	On Grade	Grate	0.75	0.475	0.275	0.123	9.395	n/a	3.438	1.135	3.902	9.146
B6-47	B6-47	On Grade	Grate	0.752	0.635	0.392	0.146	9.669	n/a	3.438	1.135	3.902	9.146
B6-48	B6-48	On Grade	Grate	1.01	0.882	0.52	0.182	9.113	n/a	3.438	1.135	3.902	9.146
B6-49	B6-49	On Grade	Grate	1.253	1.06	0.713	0.199	9.952	n/a	3.438	1.135	3.902	9.146
B6-50	B6-50	Sag	Grate	1.286	7.415	0	0.155	7.726	n/a	3.438	1.135	3.902	9.146
B6-52	B6-52	Sag	Grate	1.286	7.415	0	0.26	4.866	n/a	3.438	1.135	3.902	9.146
B7-10	B7-10	On Grade	Grate	1.008	1.006	0.368	0.212	4.922	n/a	3.438	1.135	3.902	9.146
B7-11	B7-11	On Grade	Grate	1.005	0.903	0.47	0.184	6.189	n/a	3.438	1.135	3.902	9.146
B7-12	B7-12	On Grade	Grate	1.003	0.835	0.637	0.163	8.128	n/a	3.438	1.135	3.902	9.146
B7-13	B7-13	On Grade	Grate	1.003	0.904	0.735	0.17	8.488	n/a	3.438	1.135	3.902	9.146
B7-14	B7-14	On Grade	Grate	1.003	0.944	0.794	0.174	8.675	n/a	3.438	1.135	3.902	9.146
B7-15	B7-15	On Grade	Grate	0.752	0.865	0.681	0.166	8.302	n/a	3.438	1.135	3.902	9.146
B7-16	B7-16	On Grade	Grate	1.053	1.072	0.661	0.192	6.061	n/a	3.438	1.135	3.902	9.146
B7-17	B7-17	On Grade	Grate	1.069	1.177	0.554	0.208	4.832	n/a	3.438	1.135	3.902	9.146
B7-18	B7-18	On Grade	Grate	0.968	1.063	0.458	0.198	4.604	n/a	3.438	1.135	3.902	9.146
B7-19	B7-19	On Grade	Grate	1.018	1.038	0.437	0.196	4.552	n/a	3.438	1.135	3.902	9.146
B7-20	B7-20	On Grade	Grate	1.018	1.027	0.428	0.195	4.529	n/a	3.438	1.135	3.902	9.146
B7-21	B7-21	On Grade	Grate	0.86	0.569	0.719	0.114	9.871	n/a	3.438	1.135	3.902	9.146
B7-22	B7-22	On Grade	Grate	0.86	0.864	0.714	0.157	7.059	n/a	3.438	1.135	3.902	9.146
B7-23	B7-23	On Grade	Grate	1.192	1.243	0.663	0.211	5.202	n/a	3.438	1.135	3.902	9.146
B7-24	B7-24	On Grade	Grate	1.948	2.253	0.359	0.249	7.134	n/a	4.958	2.479	8.28	9.917
B7-25	B7-25	On Grade	Grate	3.35	2.703	1.006	0.22	9.382	n/a	4.958	2.479	8.28	9.917
B7-26	B7-26	On Grade	Grate	0.873	0.775	0.098	0.134	6.702	n/a	4.958	2.479	8.28	9.917
B7-27	B7-27	On Grade	Grate	2.005	1.66	0.443	0.186	9.317	n/a	4.958	2.479	8.28	9.917
B7-28	B7-28	Sag	Grate	2.709	8.118	0	0.34	6.375	n/a	4.958	2.479	8.28	9.917
B7-29	B7-29	On Grade	Grate	1.337	1.009	0.328	0.217	4.623	n/a	3.438	1.135	3.902	9.146
B7-30	B7-30	On Grade	Grate	1.715	1.102	0.942	0.18	6.959	n/a	3.438	1.135	3.902	9.146
B7-31	B7-31	On Grade	Grate	1.278	1.433	0.786	0.225	5.085	n/a	3.438	1.135	3.902	9.146
B7-32	B7-32	Sag	Grate	2.161	7.415	0	0.269	5.968	n/a	3.438	1.135	3.902	9.146
B7-33	B7-33	On Grade	Grate	2.005	1.591	0.414	0.165	7.705	n/a	4.958	2.479	8.28	9.917
B7-34	B7-34	On Grade	Grate	2.005	1.856	0.563	0.177	8.267	n/a	4.958	2.479	8.28	9.917
B7-35	B7-35	On Grade	Grate	1.504	0.997	1.07	0.163	8.13	n/a	3.438	1.135	3.902	9.146
B7-36	B7-36	On Grade	Grate	1.504	1.166	1.408	0.177	8.826	n/a	3.438	1.135	3.902	9.146
B7-37	B7-37	On Grade	Grate	1	0.824	0.175	0.215	4.034	n/a	3.438	1.135	3.902	9.146
B7-38	B7-38	On Grade	Grate	0.997	0.933	0.239	0.216	4.05	n/a	3.438	1.135	3.902	9.146
B7-39	B7-39	On Grade	Grate	0.983	0.915	0.308	0.203	4.711	n/a	3.438	1.135	3.902	9.146
B7-40	B7-40	On Grade	Grate	1.013	0.974	0.346	0.209	4.849	n/a	3.438	1.135	3.902	9.146
B7-41	B7-41	On Grade	Grate	0.998	0.989	0.356	0.21	4.882	n/a	3.438	1.135	3.902	9.146
B7-42	B7-42	On Grade	Grate	1.048	1.024	0.38	0.213	4.962	n/a	3.438	1.135	3.902	9.146
B7-43	B7-43	On Grade	Grate	0.968	0.99	0.357	0.21	4.886	n/a	3.438	1.135	3.902	9.146
B7-44	B7-44	On Grade	Grate	1.018	1.007	0.368	0.212	4.923	n/a	3.438	1.135	3.902	9.146
B7-45	B7-45	On Grade	Grate	1.018	1.013	0.372	0.212	4.938	n/a	3.438	1.135	3.902	9.146
B7-46	B7-46	On Grade	Grate	1.018	1.006	0.384	0.21	5.055	n/a	3.438	1.135	3.902	9.146
B7-47	B7-47	On Grade	Grate	0.76	0.684	0.46	0.147	7.512	n/a	3.438	1.135	3.902	9.146
B7-48	B7-48	On Grade	Grate	1.253	0.928	0.786	0.171	8.739	n/a	3.438	1.135	3.902	9.146

TABLE C-1

Inlet Calculations System (Segment B-Mainline Stations from 186+97.30 to 399+57.70)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
B7-49	B7-49	On Grade	Grate	1.003	0.965	0.824	0.175	8.769	n/a	3.438	1.135	3.902	9.146
B7-50	B7-50	On Grade	Grate	1.003	0.98	0.846	0.177	8.838	n/a	3.438	1.135	3.902	9.146
B7-51	B7-51	On Grade	Grate	0.752	0.887	0.711	0.168	8.407	n/a	3.438	1.135	3.902	9.146
B7-52	B7-52	On Grade	Grate	1.053	1.194	0.57	0.224	5.763	n/a	3.438	1.135	3.902	9.146
B7-53	B7-53	On Grade	Grate	1.059	1.122	0.506	0.203	4.724	n/a	3.438	1.135	3.902	9.146
B7-54	B7-54	On Grade	Grate	0.958	1.032	0.432	0.195	4.539	n/a	3.438	1.135	3.902	9.146
B7-55	B7-55	On Grade	Grate	1.008	1.018	0.422	0.194	4.511	n/a	3.438	1.135	3.902	9.146
B7-56	B7-56	On Grade	Grate	1.008	0.934	0.496	0.176	5.249	n/a	3.438	1.135	3.902	9.146
B7-57	B7-57	On Grade	Grate	0.852	0.595	0.754	0.117	9.881	n/a	3.438	1.135	3.902	9.146
B7-58	B7-58	On Grade	Grate	1.003	0.935	0.822	0.163	7.347	n/a	3.438	1.135	3.902	9.146
B7-59	B7-59	On Grade	Grate	1.013	1.208	0.627	0.208	5.12	n/a	3.438	1.135	3.902	9.146
B7-60	B7-60	On Grade	Grate	1.287	1.285	0.665	0.216	5.098	n/a	3.438	1.135	3.902	9.146
B7-61	B7-61	On Grade	Grate	1.021	1.152	0.496	0.223	5.403	n/a	3.438	1.135	3.902	9.146
B7-62	B7-62	On Grade	Grate	1.003	0.861	0.637	0.167	7.936	n/a	3.438	1.135	3.902	9.146
B7-63	B7-63	On Grade	Grate	2.073	2.006	0.704	0.199	10.795	n/a	4.958	2.479	8.28	9.917
B7-64	B7-64	On Grade	Grate	2.073	2.092	0.685	0.207	10.34	n/a	4.958	2.479	8.28	9.917
B7-65	B7-65	On Grade	Grate	1.754	1.879	0.56	0.197	9.85	n/a	4.958	2.479	8.28	9.917
B7-66	B7-66	Sag	Grate	0.752	8.118	0	0.148	7.418	n/a	4.958	2.479	8.28	9.917
B7-67	B7-67	On Grade	Grate	1.654	0.849	0.805	0.15	7.48	n/a	3.438	1.135	3.902	9.146
B7-68	B7-68	On Grade	Grate	1.594	1.131	0.463	0.203	4.322	n/a	3.438	1.135	3.902	9.146
B7-69	B7-69	On Grade	Grate	1.369	1.134	0.698	0.191	5.515	n/a	3.438	1.135	3.902	9.146
B7-70	B7-70	On Grade	Grate	1.018	0.722	0.994	0.129	9.976	n/a	3.438	1.135	3.902	9.146
B7-71	B7-71	On Grade	Grate	1.323	0.994	1.322	0.158	9.57	n/a	3.438	1.135	3.902	9.146
B7-72	B7-72	On Grade	Grate	2.005	2.349	0.978	0.194	9.717	n/a	4.958	2.479	8.28	9.917
B7-73	B7-73	On Grade	Grate	1.504	1.858	0.624	0.174	8.707	n/a	4.958	2.479	8.28	9.917
B7-74	B7-74	On Grade	Grate	2.005	1.946	0.682	0.178	8.896	n/a	4.958	2.479	8.28	9.917
B7-75	B7-75	Sag	Grate	1.696	8.118	0	0.176	8.803	n/a	4.958	2.479	8.28	9.917

TABLE C-2

Inlet Calculations System A1-1 (Segment A - Mainlane Stations from 399+57.70 to 412+22.94)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A1-1	A1-1	On Grade	Grate	1.25	0.95	0.29	0.22	4.85	n/a	3.44	1.14	3.90	9.15
A1-2	A1-2	On Grade	Grate	0.74	0.72	0.31	0.16	5.09	n/a	3.44	1.14	3.90	9.15
A1-3	A1-3	On Grade	Grate	0.44	0.48	0.27	0.12	5.83	n/a	3.44	1.14	3.90	9.15
A1-4	A1-4	On Grade	Grate	0.32	0.30	0.29	0.08	8.72	n/a	3.44	1.14	3.90	9.15
A1-5	A1-5	On Grade	Grate	0.52	0.32	0.49	0.08	12.66	n/a	3.44	1.14	3.90	9.15
A1-6	A1-6	On Grade	Grate	0.50	0.52	0.47	0.11	8.07	n/a	3.44	1.14	3.90	9.15
A1-7	A1-7	On Grade	Grate	0.74	0.69	0.52	0.14	7.02	n/a	3.44	1.14	3.90	9.15
A1-8	A1-8	On Grade	Grate	0.72	0.70	0.54	0.14	7.09	n/a	3.44	1.14	3.90	9.15
A1-9	A1-9	On Grade	Grate	0.79	0.74	0.59	0.15	7.28	n/a	3.44	1.14	3.90	9.15
A1-10	A1-10	On Grade	Grate	0.75	0.75	0.60	0.15	7.30	n/a	3.44	1.14	3.90	9.15
A1-23	A1-23	On Grade	Grate	1.26	0.95	0.31	0.21	4.67	n/a	3.44	1.14	3.90	9.15
A1-24	A1-24	On Grade	Grate	1.13	0.93	0.50	0.18	5.55	n/a	3.44	1.14	3.90	9.15
A1-25	A1-25	On Grade	Grate	0.95	0.83	0.63	0.16	7.03	n/a	3.44	1.14	3.90	9.15
A1-26	A1-26	On Grade	Grate	1.00	0.86	0.77	0.16	7.86	n/a	3.44	1.14	3.90	9.15
A1-27	A1-27	On Grade	Grate	1.00	0.92	0.86	0.16	8.11	n/a	3.44	1.14	3.90	9.15
A1-28	A1-28	On Grade	Grate	1.00	0.95	0.91	0.17	8.25	n/a	3.44	1.14	3.90	9.15

TABLE C-3

Inlet Calculations System A1-2 (Segment A - Mainlane Stations from 412+22.94 to 424+72.88)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A1-11	A1-11	On Grade	Grate	0.75	0.75	0.60	0.15	7.31	n/a	3.44	1.14	3.90	9.15
A1-12	A1-12	On Grade	Grate	0.75	0.75	0.60	0.15	7.32	n/a	3.44	1.14	3.90	9.15
A1-13	A1-13	On Grade	Grate	0.75	0.75	0.60	0.15	7.32	n/a	3.44	1.14	3.90	9.15
A1-14	A1-14	On Grade	Grate	0.77	0.76	0.61	0.15	7.36	n/a	3.44	1.14	3.90	9.15
A1-15	A1-15	On Grade	Grate	0.74	0.75	0.60	0.15	7.32	n/a	3.44	1.14	3.90	9.15
A1-16	A1-16	On Grade	Grate	0.75	0.75	0.60	0.15	7.33	n/a	3.44	1.14	3.90	9.15
A1-17	A1-17	On Grade	Grate	0.75	0.78	0.57	0.16	7.91	n/a	3.44	1.14	3.90	9.15
A1-18	A1-18	On Grade	Grate	0.43	0.66	0.34	0.16	7.83	n/a	3.44	1.14	3.90	9.15
A1-29	A1-29	On Grade	Grate	1.00	0.97	0.95	0.17	8.34	n/a	3.44	1.14	3.90	9.15
A1-30	A1-30	On Grade	Grate	1.00	0.98	0.97	0.17	8.40	n/a	3.44	1.14	3.90	9.15
A1-31	A1-31	On Grade	Grate	1.00	0.99	0.98	0.17	8.44	n/a	3.44	1.14	3.90	9.15
A1-32	A1-32	On Grade	Grate	1.00	0.99	0.99	0.17	8.45	n/a	3.44	1.14	3.90	9.15
A1-33	A1-33	On Grade	Grate	0.95	0.99	0.95	0.17	8.62	n/a	3.44	1.14	3.90	9.15
A1-34	A1-34	On Grade	Grate	0.73	1.00	0.68	0.19	9.51	n/a	3.44	1.14	3.90	9.15

TABLE C-4

Inlet Calculations System A1-3 (Segment A - Mainlane Stations from 424+72.88 to 431+61.00)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A1-19	A1-19	Sag	Grate	1.01	7.41	0.00	0.20	9.99	n/a	3.44	1.14	3.90	9.15
A1-20	A1-20	On Grade	Grate	1.00	0.94	0.55	0.19	9.54	n/a	3.44	1.14	3.90	9.15
A1-21	A1-21	On Grade	Grate	1.00	0.85	0.49	0.18	8.94	n/a	3.44	1.14	3.90	9.15
A1-22	A1-22	On Grade	Grate	1.00	0.67	0.33	0.16	8.04	n/a	3.44	1.14	3.90	9.15
A1-35	A1-35	Sag	Grate	1.01	7.41	0.00	0.22	11.17	n/a	3.44	1.14	3.90	9.15
A1-36	A1-36	On Grade	Grate	1.00	0.94	0.55	0.19	9.53	n/a	3.44	1.14	3.90	9.15
A1-37	A1-37	On Grade	Grate	1.00	0.85	0.49	0.18	8.94	n/a	3.44	1.14	3.90	9.15
A1-38	A1-38	On Grade	Grate	1.00	0.67	0.33	0.16	8.04	n/a	3.44	1.14	3.90	9.15

TABLE C-5

Inlet Calculations System A2-1 (Stations from 431+61.00 to 445+46.11)												
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A2-1	A2-1	On Grade	Grate	1.00	0.67	0.16	8.04	n/a	3.44	1.14	3.90	9.15
A2-2	A2-2	On Grade	Grate	1.00	0.85	0.18	8.94	n/a	3.44	1.14	3.90	9.15
A2-3	A2-3	On Grade	Grate	1.00	0.92	0.19	9.32	n/a	3.44	1.14	3.90	9.15
A2-4	A2-4	On Grade	Grate	0.97	1.00	0.19	9.68	n/a	3.44	1.14	3.90	9.15
A2-5	A2-5	On Grade	Grate	0.73	0.91	0.19	9.59	n/a	3.44	1.14	3.90	9.15
A2-6	A2-6	Sag	Grate	0.79	7.41	0.22	11.83	n/a	3.44	1.14	3.90	9.15
A2-7	A2-7	On Grade	Grate	1.45	1.30	0.22	11.64	n/a	3.44	1.14	3.90	9.15
A2-10	A2-10	On Grade	Grate	1.00	0.67	0.16	8.04	n/a	3.44	1.14	3.90	9.15
A2-11	A2-11	On Grade	Grate	1.00	0.85	0.18	8.94	n/a	3.44	1.14	3.90	9.15
A2-12	A2-12	On Grade	Grate	1.00	0.92	0.19	9.32	n/a	3.44	1.14	3.90	9.15
A2-13	A2-13	On Grade	Grate	0.98	0.95	0.19	9.44	n/a	3.44	1.14	3.90	9.15
A2-14	A2-14	On Grade	Grate	0.73	0.88	0.19	9.44	n/a	3.44	1.14	3.90	9.15
A2-15	A2-15	Sag	Grate	0.79	7.41	0.21	15.22	n/a	3.44	1.14	3.90	9.15
A2-16	A2-16	On Grade	Grate	1.45	1.19	0.21	10.69	n/a	3.44	1.14	3.90	9.15
A2-17	A2-17	On Grade	Grate	1.17	1.12	0.20	5.19	n/a	3.44	1.14	3.90	9.15

TABLE C-6

Inlet Calculations System A2-2 (Stations from 445+46.11 to 451+69.00)												
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A2-8	A2-8	On Grade	Grate	1.19	0.87	0.16	8.29	n/a	3.44	1.14	3.90	9.15
A2-9	A2-9	On Grade	Grate	1.97	1.44	0.25	4.33	n/a	3.44	1.14	3.90	9.15
A2-17	A2-17	On Grade	Grate	1.17	1.12	0.20	5.19	n/a	3.44	1.14	3.90	9.15
A2-18	A2-18	On Grade	Grate	1.93	1.42	0.25	4.25	n/a	3.44	1.14	3.90	9.15

TABLE C-7

Inlet Calculations System A-3 (Segment A - Mainlane Stations from 451+69.16 to 472+32.1)														
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET PONDED DEPTH (FT)	INLET PONDED WIDTH (FT)	INLET MAXIMUM PONDED WIDTH (FT)	INLET NUMBER OF GRATES	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A3-15	A3-15	Sag	Grate	4.90	12.18	0.00	0.27	5.79	10	2	4.96	2.48	8.28	14.87
A3-13	A3-13	Sag	Grate	8.11	12.18	0.00	0.38	6.99	10	2	4.96	2.48	8.28	14.87
A3-14	A3-14	Sag	Grate	6.61	12.18	0.00	0.33	6.47	10	2	4.96	2.48	8.28	14.87
A3-16	A3-16	Sag	Grate	5.30	12.18	0.00	0.29	5.96	10	2	4.96	2.48	8.28	14.87
A3-3	A3-3	On Grade	Grate	1.77	1.72	0.05	0.23	3.84	7	2	4.96	2.48	8.28	9.92
A3-5	A3-5	Sag	Grate	2.48	8.12	0.00	0.23	3.98	10	2	4.96	2.48	8.28	9.92
A3-4	A3-4	On Grade	Grate	2.14	2.06	0.08	0.25	4.13	16	2	4.96	2.48	8.28	9.92
A3-11	A3-11	On Grade	Grate	2.22	2.16	0.06	0.22	3.62	6.6	2	4.96	2.48	8.28	9.92
A3-7	A3-7	On Grade	Grate	2.14	2.04	0.10	0.31	5.17	10	2	4.96	2.48	8.28	9.92
A3-6	A3-6	Sag	Grate	6.70	8.12	0.00	0.44	8.00	16	2	4.96	2.48	8.28	9.92
A3-12	A3-12	On Grade	Grate	2.29	2.22	0.07	0.22	3.67	14	2	4.96	2.48	8.28	9.92
A3-8	A3-8	On Grade	Grate	1.92	1.76	0.16	0.26	6.39	13.8	2	4.96	2.48	8.28	9.92
A3-9	A3-9	On Grade	Grate	2.16	1.46	0.70	0.20	4.02	11	1	3.44	1.14	3.90	9.15
A3-10	A3-10	On Grade	Grate	2.18	1.57	0.61	0.22	3.60	6	1	3.44	1.14	3.90	9.15
A3-1	A3-1	On Grade	Grate	2.06	1.50	0.55	0.21	3.52	11	1	3.44	1.14	3.90	9.15
A3-2	A3-2	On Grade	Grate	2.10	1.53	0.57	0.21	3.55	6	1	3.44	1.14	3.90	9.15

TABLE C-8

Inlet Calculations System A4-1 (Coles - Paisano Interchange)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A4-3	A4-3	On Grade	Grate	1.80	1.69	0.11	0.18	4.38	n/a	4.96	2.48	8.28	9.92
A4-4	A4-4	Sag	Grate	2.01	8.12	0.00	0.20	4.62	n/a	4.96	2.48	8.28	9.92

TABLE C-9

Inlet Calculations System A4-2 (Coles - Paisano Interchange)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A4-21	A4-21	On Grade	Grate	1.02	0.86	0.16	0.15	2.60	n/a	3.44	1.14	3.90	9.15
A4-22	A4-22	On Grade	Grate	1.03	0.94	0.25	0.15	2.94	n/a	3.44	1.14	3.90	9.15
A4-23	A4-23	On Grade	Grate	0.95	1.13	0.07	0.13	4.13	n/a	4.96	2.48	8.28	9.92
A4-24	A4-24	On Grade	Grate	1.43	1.36	0.14	0.20	6.25	n/a	4.96	2.48	8.28	9.92

TABLE C-10

Inlet Calculations System A4-3 (Coles - Paisano Interchange)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A4-30	A4-30	On Grade	Grate	0.66	0.58	0.08	0.16	2.60	n/a	3.44	1.14	3.90	9.15
A4-31	A4-31	On Grade	Grate	1.23	1.10	0.30	0.20	3.27	n/a	3.44	1.14	3.90	9.15
A4-32	A4-32	On Grade	Grate	1.40	1.62	0.08	0.16	4.00	n/a	4.96	2.48	8.28	9.92

TABLE C-11

Inlet Calculations System A4-4 (Coles - Paisano Interchange)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A4-17	A4-17	On Grade	Grate	1.02	1.04	0.18	0.12	5.86	n/a	4.96	2.48	8.28	9.92
A4-18	A4-18	On Grade	Grate	0.83	0.90	0.20	0.17	2.85	n/a	3.44	1.14	3.90	9.15
A4-19	A4-19	On Grade	Grate	1.03	1.06	0.27	0.18	3.04	n/a	3.44	1.14	3.90	9.15
A4-20	A4-20	On Grade	Grate	1.02	0.72	0.30	0.14	3.83	n/a	3.44	1.14	3.90	9.15
A4-27	A4-27	On Grade	Grate	1.03	1.08	0.20	0.12	5.96	n/a	4.96	2.48	8.28	9.92
A4-28	A4-28	On Grade	Grate	1.04	0.98	0.24	0.18	2.99	n/a	3.44	1.14	3.90	9.15
A4-29	A4-29	On Grade	Grate	1.03	0.85	0.18	0.18	2.97	n/a	3.44	1.14	3.90	9.15

TABLE C-12

Inlet Calculations System A4-5 (Coles - Paisano Interchange)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A4-16	A4-16	On Grade	Grate	1.06	1.05	0.19	0.12	6.07	n/a	4.96	2.48	8.28	9.92
A4-26	A4-26	On Grade	Grate	1.06	1.06	0.20	0.12	6.09	n/a	4.96	2.48	8.28	9.92

TABLE C-13

Inlet Calculations System A4-6 (Coles - Paisano Interchange)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A4-5	A4-5	On Grade	Grate	0.52	0.32	0.49	0.08	12.66	n/a	3.44	1.14	3.90	9.15
A4-6	A4-6	Sag	Curb	1.57	10.33	0.00	0.14	10.30	10.00	n/a	n/a	n/a	n/a
A4-12	A4-12	On Grade	Grate	1.02	1.02	0.01	0.16	3.03	n/a	4.96	2.48	8.28	9.92
A4-13	A4-13	On Grade	Grate	1.36	1.22	0.14	0.20	8.06	n/a	4.96	2.48	8.28	9.92
A4-14	A4-14	Sag	Curb	2.42	10.33	0.00	0.22	11.01	10.00	n/a	n/a	n/a	n/a
A4-33	A4-33	On Grade	Curb	1.00	1.11	0.00	0.18	7.27	10.00	n/a	n/a	n/a	n/a
A4-34	A4-34	On Grade	Curb	1.42	1.60	0.00	0.21	8.32	10.00	n/a	n/a	n/a	n/a

TABLE C-14

Inlet Calculations System A4-7 (Coles - Paisano Interchange)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A4-15	A4-15	Sag	Grate	1.54	8.12	0.00	0.18	9.33	n/a	4.96	2.48	8.28	9.92
A4-25	A4-25	Sag	Grate	1.54	8.12	0.00	0.18	9.33	n/a	4.96	2.48	8.28	9.92

TABLE C-15

Inlet Calculations System A4-7 (Coles - Paisano Interchange)													
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
A4-31	A4-31	On Grade	Grate	1.23	1.10	0.30	0.20	3.27	n/a	3.44	1.14	3.90	9.15
A4-32	A4-32	On Grade	Grate	1.40	1.62	0.08	0.16	4.00	n/a	4.96	2.48	8.28	9.92
A4-33	A4-33	On Grade	Curb	1.00	1.11	0.00	0.18	7.27	10.00	n/a	n/a	n/a	n/a

TABLE C-16

Inlet Calculations System B Roads (Doniphan Extension)															
INLET ID	AREA ID	INLET PROFILE TYPE	INLET TYPE	AREA ACTUAL DISCHARGE (CFS)	INLET CAPACITY (CFS)	INLET BY PASS FLOW (CFS)	INLET COMPUTED PONDED DEPTH (FT)	INLET COMPUTED PONDED WIDTH (FT)	INLET MAXIMUM PONDED WIDTH (FT)	INLET NUMBER OF GRATES	CURB LENGTH (FT)	GRATE LENGTH (FT)	GRATE WIDTH (FT)	GRATE AREA (SQ. FT.)	GRATE PERIMETER (FT)
DON-1	DON-1	ON GRADE	TYPE C	1.621	1.221	0.400	0.178	8.920	10.00	-	5.00	-	-	-	-
DON-2	DON-2	ON GRADE	TYPE C	1.427	1.129	0.298	0.170	8.504	10.00	-	5.00	-	-	-	-
DON-3	DON-3	SAG	TYPE C	2.430	6.261	-	0.266	13.302	10.00	-	5.00	-	-	-	-
DON-4	DON-4	SAG	TYPE C	2.048	6.261	-	0.237	11.867	10.00	-	5.00	-	-	-	-
DON-5	DON-5	ON GRADE	TYPE C	1.540	1.257	0.283	0.189	9.440	10.00	-	5.00	-	-	-	-
DON-6	DON-6	ON GRADE	TYPE C	1.386	1.174	0.212	0.181	9.075	10.00	-	5.00	-	-	-	-
DON-7	DON-7	SAG	TYPE C + 1 EXTENSION TYPE E	1.409	10.327	-	0.133	6.626	10.00	-	10.00	-	-	-	-
DON-8	DON-8	SAG	TYPE C + 1 EXTENSION TYPE E	1.506	10.327	-	0.139	6.926	10.00	-	10.00	-	-	-	-
DON-9	DON-9	ON GRADE	TYPE AAD	1.136	1.033	0.104	0.167	6.062	10.00	2	-	4.958	2.479	8.280	9.917
DON-10	DON-10	ON GRADE	TYPE AAD	0.335	0.256	0.079	0.056	11.148	10.00	2	-	4.958	2.479	8.280	9.917
DON-11	DON-11	ON GRADE	TYPE AAD	1.929	1.725	0.204	0.222	6.357	10.00	2	-	4.958	2.479	8.280	9.917
DON-12	DON-12	ON GRADE	TYPE AAD	0.638	0.611	0.027	0.112	4.191	10.00	2	-	4.958	2.479	8.280	9.917
DON-13	DON-13	ON GRADE	TYPE AAD	0.434	0.300	0.134	0.052	10.346	10.00	2	-	4.958	2.479	8.280	9.917
DON-14	DON-14	ON GRADE	TYPE AAD	1.105	1.049	0.056	0.152	4.346	10.00	2	-	4.958	2.479	8.280	9.917
DON-15	DON-15	ON GRADE	TYPE AAD	0.485	0.327	0.158	0.054	10.782	10.00	2	-	4.958	2.479	8.280	9.917
DON-16	DON-16	ON GRADE	TYPE AAD	1.222	1.149	0.073	0.158	4.530	10.00	2	-	4.958	2.479	8.280	9.917
DON-17	DON-17	ON GRADE	TYPE AAD	1.388	1.254	0.134	0.156	5.246	10.00	2	-	4.958	2.479	8.280	9.917
DON-18	DON-18	ON GRADE	TYPE AAD	0.446	0.306	0.140	0.052	10.450	10.00	2	-	4.958	2.479	8.280	9.917
DON-19	DON-19	ON GRADE	TYPE AAD	2.304	1.755	0.549	0.174	8.688	10.00	2	-	4.958	2.479	8.280	9.917
DON-20	DON-20	ON GRADE	TYPE AD	0.782	0.639	0.143	0.116	5.803	10.00	1	-	2.479	2.479	4.140	7.438
DON-21	DON-21	ON GRADE	TYPE AD	1.264	0.903	0.361	0.170	8.479	10.00	1	-	2.479	2.479	4.140	7.438
DON-22	DON-22	ON GRADE	TYPE AD	0.858	0.663	0.195	0.147	7.333	10.00	1	-	2.479	2.479	4.140	7.438
DON-23	DON-23	SAG	TYPE AAD	1.680	8.118	-	0.175	8.747	10.00	2	-	4.958	2.479	8.280	9.917
DON-24	DON-24	SAG	TYPE AAD	1.893	8.118	-	0.189	9.470	10.00	2	-	4.958	2.479	8.280	9.917
DON-25	DON-25	ON GRADE	TYPE AAD	1.593	1.300	0.293	0.159	7.958	10.00	2	-	4.958	2.479	8.280	9.917
DON-26	DON-26	ON GRADE	TYPE AAD	1.739	1.400	0.339	0.164	8.222	10.00	2	-	4.958	2.479	8.280	9.917
DON-27	DON-27	ON GRADE	TYPE AAD	0.466	0.316	0.150	0.052	10.399	10.00	2	-	4.958	2.479	8.280	9.917
DON-28	DON-28	ON GRADE	TYPE AAD	2.331	2.040	0.291	0.197	5.627	10.00	2	-	4.958	2.479	8.280	9.917
DON-29	DON-29	ON GRADE	TYPE AAD	1.521	1.352	0.169	0.156	5.417	10.00	2	-	4.958	2.479	8.280	9.917
DON-30	DON-30	ON GRADE	TYPE AAD	1.594	1.351	0.243	0.191	9.563	10.00	2	-	4.958	2.479	8.280	9.917
DON-31	DON-31	ON GRADE	TYPE AAD	3.263	2.302	0.961	0.169	8.473	10.00	2	-	4.958	2.479	8.280	9.917
DON-32	DON-32	SAG	TYPE AAD	2.837	8.118	-	0.248	4.205	10.00	2	-	4.958	2.479	8.280	9.917
DON-33	DON-33	ON GRADE	TYPE BD-1	0.902	0.296	0.606	0.070	13.912	10.00	1	-	3.438	1.135	3.902	9.146
DON-34	DON-34	ON GRADE	TYPE BD-1	1.764	1.119	0.645	0.181	4.902	10.00	1	-	3.438	1.135	3.902	9.146
DON-35	DON-35	ON GRADE	TYPE AAD	2.106	1.623	0.483	0.150	7.487	10.00	2	-	4.958	2.479	8.280	9.917
DON-36	DON-36	ON GRADE	TYPE AAD	0.749	0.456	0.293	0.063	12.626	10.00	2	-	4.958	2.479	8.280	9.917
DON-37	DON-37	ON GRADE	TYPE AAD	2.247	1.912	0.336	0.239	9.274	10.00	2	-	4.958	2.479	8.280	9.917
DON-38	DON-38	ON GRADE	TYPE AAD	0.501	0.354	0.147	0.064	12.813	10.00	2	-	4.958	2.479	8.280	9.917
DON-39	DON-39	ON GRADE	TYPE AAD	3.391	2.911	0.480	0.316	8.784	10.00	2	-	4.958	2.479	8.280	9.917
DON-40	DON-40	ON GRADE	TYPE AAD	0.799	0.747	0.052	0.162	6.296	10.00	2	-	4.958	2.479	8.280	9.917
DON-41	DON-41	ON GRADE	TYPE AAD	0.217	0.177	0.041	0.047	9.370	10.00	2	-	4.958	2.479	8.280	9.917
DON-42	DON-42	ON GRADE	TYPE AD	0.600	0.579	0.021	0.136	3.666	10.00	1	-	2.479	2.479	4.140	7.438
DON-43	DON-43	ON GRADE	TYPE AAD	0.278	0.221	0.056	0.054	10.845	10.00	2	-	4.958	2.479	8.280	9.917
DON-44	DON-44	SAG	TYPE AAD	4.400	8.118	-	0.332	10.723	10.00	2	-	4.958	2.479	8.280	9.917
NM273-1	NM273-1	SAG	TYPE AAD	3.782	8.118	-	0.300	6.209	10.00	2	-	4.958	2.479	8.280	9.917
NM273-2	NM273-2	ON GRADE	TYPE AAD	3.038	2.828	0.210	0.292	4.872	10.00	2	-	4.958	2.479	8.280	9.917
NM273-3	NM273-3	ON GRADE	TYPE AAD	0.266	0.202	0.065	0.039	7.889	10.00	2	-	4.958	2.479	8.280	9.917
NM273-4	NM273-4	ON GRADE	TYPE AD	0.674	0.665	0.010	0.127	3.179	10.00	1	-	2.479	2.479	4.140	7.438
US85-1	US85-1	ON GRADE	TYPE BD-1	3.684	2.293	1.390	0.277	4.871	10.00	1	-	3.438	1.135	3.902	9.146
US85-2	US85-2	ON GRADE	TYPE BD-1	3.646	2.326	1.320	0.289	4.816	10.00	1	-	3.438	1.135	3.902	9.146
US85-3	US85-3	ON GRADE	TYPE AAD	2.771	2.224	0.547	0.190	6.891	10.00	2	-	4.958	2.479	8.280	9.917
US85-4	US85-4	ON GRADE	TYPE AAD	0.924	0.530	0.394	0.066	13.266	10.00	2	-	4.958	2.479	8.280	9.917
US85-5	US85-5	ON GRADE	TYPE AAD	3.350	3.080	0.269	0.313	5.245	10.00	2	-	4.958	2.479	8.280	9.917
US85-6	US85-6	SAG	TYPE AAD	2.672	8.118	-	0.238	4.068	10.00	2	-	4.958	2.479	8.280	9.917
US85-7	US85-7	ON GRADE	TYPE AAD	2.129	2.024	0.105	0.318	5.476	10.00	2	-	4.958	2.479	8.280	9.917
US85-8	US85-8	ON GRADE	TYPE AAD	3.387	3.056	0.331	0.266	5.142	10.00	2	-	4.958	2.479	8.280	9.917
US85-9	US85-9	SAG	TYPE AAD	3.353	8.118	-	0.277	7.504	10.00	2	-	4.958	2.479	8.280	9.917