APPENDIX F

Existing Drainage Structure Inventory

VILLAGE OF KEY BISCAYNE
STORMWATER MASTER PLAN UPDATE
EXISTING DRAINAGE STRUCTURE INVENTORY

ID	Design ID	Structure Type	Rim Elevation	Invert Elevation	Invert Depth	Elev Source	2010 SWMMP Basin	2010 SWMMP Subcatchment	Address Number	Street	X	Y
		Catch Basin	3.41	1.31	0	As Built	03	SUB-12142	960	HARBOR DR	930324.72	491218.04
		Catch Basin	2.15	1.05	0	As Built	03	SUB-12142	940	HARBOR DR	930200.76	491479.49
		Catch Basin	2.36	-1.22	0	As Built	03	SUB-12142	941	HARBOR DR	930260.14	491513.87
J-100		Catch Basin	2	0	0	Assumed Elevation	08	SUB-11948	300	W HEATHER DR	929766.43	495262.08
J-101		Catch Basin	2	0	0	Assumed Elevation	08	SUB-12266	300	W HEATHER DR	929680.76	495277.28
J-105	8-204x	Catch Basin	1.94	0	0	Design Elevation	08	SUB-12266	285	W HEATHER DR	929687.08	495303.14
J-106	8-205x	Catch Basin	1.69	0	0	Design Elevation	08	SUB-12264	385	HEATHER LN	929311.13	495302.84
J-107	8-208x	Catch Basin	2.8365	0	0	Design Elevation	08	SUB-12264	390	HEATHER LN	929244.71	495300.47
J-108		Catch Basin	3	-1.62	4.62	Assumed Elevation	08	SUB-12256	371	W HEATHER DR	929037.49	495296.14
J-111	194	Catch Basin	1.54	0	0	Design Elevation	08	SUB-12256	360	W HEATHER DR	929041.51	495259.88
J-112	196	Catch Basin	1.64	0	0	Design Elevation	08	SUB-12256	400	W PALMWOOD LN	928999.11	495260.14
J-114		Catch Basin	3	0	0	Assumed Elevation	08	NA	375	HARBOR DR	928800.26	495298.11
J-116		Catch Basin	3	0	0	Assumed Elevation	08	NA	375	HARBOR DR	928776.8	495367.6
J-119		Catch Basin	3	0	0	Assumed Elevation	08	NA	375	HARBOR DR	928734.57	495374.29
J-120		Catch Basin	3	0	0	Assumed Elevation	08	SUB-12264	390	HEATHER LN	929266.94	495368.07
J-121	8-207x	Catch Basin	3.14	0	0	Assumed Elevation	08	SUB-12264	385	HEATHER LN	929299.02	495402.72
J-122		Catch Basin	3.1	0	0	Assumed Elevation	08	SUB-12264	380	HEATHER LN	929276.8	495441.58
J-124	198	Catch Basin	1.54	-0.16	1.7	Design Elevation	08	SUB-12252	361	REDWOOD LN	929250.95	495049.06
J-125		Catch Basin	3	-0.16	3.16	Assumed Elevation	08	SUB-12252	361	REDWOOD LN	929250.95	495049.06
J-126	197	Catch Basin	1.64	-0.16	1.8	Design Elevation	08	SUB-12252	350	REDWOOD LN	929250.35	495025.3
J-127	192	Catch Basin	1.63	-0.53	2.16	Design Elevation	08	SUB-12252	390	REDWOOD LN	928998.06	495022.13
J-128	193	Catch Basin	1.61	-0.29	1.9	Design Elevation	08	SUB-12252	375	REDWOOD LN	929003.33	495063.46
J-13		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12152	701	MYRTLEWOOD LN	929164.85	493029.16
J-133	270x	Catch Basin	3	0	0	Assumed Elevation	07A	NA	365	HARBOR DR	928796.77	495514.98
J-134	271x	Catch Basin	3	0	0	Assumed Elevation	08	SUB-11924	365	HARBOR DR	928858.5	495520.43
J-135	273x	Catch Basin	3.1	0	0	Assumed Elevation	08	SUB-11924	397	HARBOR CT	928894.41	495519.88
J-136	272x	Catch Basin	3.64	0	0	Assumed Elevation	08	SUB-11924	355	HARBOR DR	928856.58	495550.42
J-137	8-213x	Catch Basin	2.44	-3.56	6	Design Elevation	08	SUB-11924	380	HARBOR CT	929032.94	495550.33
J-138	8-38	Catch Basin	2.64	-3.56	6.2	Design Elevation	08	SUB-12328	355	HARBOR DR	928838.28	495646.89
J-14		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12152	700	MYRTLEWOOD LN	929124.52	492998
J-141	8-209x	Catch Basin	2.46	0	0	Design Elevation	08	SUB-12318	340	HARBOR CT	929282.44	495803.58
J-143	8-210x	Catch Basin	2.44	-3.56	6	Design Elevation	08	SUB-12318	345	HARBOR CT	929348.19	495764.18
J-144		Catch Basin	3	0	0	Assumed Elevation	08	SUB-12318	335	GREENWOOD DR	929407.8	495744.5
J-145		Catch Basin	3.28	0	0	Assumed Elevation	08	SUB-12318	345	HARBOR CT	929387.34	495717.98
J-146	8-259x	Catch Basin	2.44	-3.56	6	Design Elevation	08	SUB-12318	305	HARBOR CT	929429.8	495894.17
J-149	8-214x	Catch Basin	2.44	-3.56	6	Design Elevation	08	SUB-12324	300	HARBOR CT	929527.84	496018.64
J-150		Catch Basin	4	-3.56	7.56	Assumed Elevation	08	SUB-12324	300	HARBOR CT	929483.23	495970.79
J-151	8-258x	Catch Basin	2.64	-2.56	5.2	Design Elevation	08	SUB-12324	305	HARBOR CT	929550.35	495919.83
J-154	8-27	Catch Basin	2.64	-1.56	4.2	Design Elevation	08	SUB-12324	280	CRANWOOD DR	929738.05	495773.46
J-157	8-25	Catch Basin	3	-1.56	4.56	Assumed Elevation	08	SUB-11926	240	CRANWOOD DR	930035.15	495775.06
J-159	8-240x	Catch Basin	3	-0.56	3.56	Assumed Elevation	08	SUB-11926	200	CRANWOOD DR	930298.64	495767.76
J-16		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12442	700	CURTISWOOD DR	929321.23	493150.88
J-163	8-124x	Catch Basin	2.484	-3.56	6.044	Tt Survey	08	SUB-12330	315	HARBOR DR	929010.76	495889.02
J-164		Catch Basin	2.946	0	0	Tt Survey	08	SUB-12336	305	HARBOR DR	929120.18	495984.52
J-165		Catch Basin	3.041	0	0	Tt Survey	08	SUB-12336	295	HARBOR DR	929197.62	496051.59
J-166		Catch Basin	2.813	0	0	Tt Survey	08	SUB-12334	275	HARBOR DR	929327.52	496163.56
J-167		Catch Basin	2.456	0	0	Tt Survey	08	SUB-12334	275	HARBOR DR	929319.6	496213.58
J-168		Catch Basin	2.599	0	0	Tt Survey	08	SUB-12334	275	HARBOR DR	929298.2	496188.14
J-169		Catch Basin	2.745	0	0	Tt Survey	08	SUB-12332	299	HARBOR DR	929150	496057.31
J-17		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12176	705	CURTISWOOD DR	929367.73	493167.42
J-170		Catch Basin	2.849	0	0	Tt Survey	08	SUB-12326	315	HARBOR DR	928983.88	495913.96
J-172		Catch Basin	3.49	0	0	Assumed Elevation	09	SUB-12320	255	HARBOR DR	929468.6	496233.78
J-173		Catch Basin	3	0	0	Assumed Elevation	08	SUB-12334	265	HARBOR DR	929444.7	496212.33
J-174	8-238x	Catch Basin	2.44	-0.96	3.4	Design Elevation	08	SUB-11926	325	HAMPTON LN	930331.64	495804.84
J-175	237	Catch Basin	2.69	-0.96	3.65	Design Elevation	07A	SUB-12292	285	HAMPTON LN	930313.47	496046.19
J-177	8-241x	Catch Basin	4	-3.56	7.56	Assumed Elevation	08	SUB-11926	201	GREENWOOD DR	930323.73	495609.22
J-178	8-242x	Catch Basin	4	-3.56	7.56	Assumed Elevation	08	SUB-11926	355	HAMPTON LN	930358.31	495614.94
J-181	8-12	Catch Basin	2.04	-5.06	7.1	Design Elevation	08	SUB-12262	301	REDWOOD LN	929685.81	495061.93
J-182	8-199x	Catch Basin	2.04	-5.06	7.1	Design Elevation	08	SUB-12262	300	REDWOOD LN	929670.4	495005.4
J-183	8-5	Catch Basin	2.04	-3.56	5.6	Design Elevation	08	SUB-12268	422	WARREN LN	929945.83	495025.23
J-184	8-6	Catch Basin	2.04	-3.56	5.6	Design Elevation	08	SUB-12268	435	WARREN LN	929975.51	495013.73

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ID	Design ID	Structure Type	Rim Elevation	Invert Elevation	Invert Depth	Elev Source	2010 SWMMP Basin	2010 SWMMP Subcatchment	Address Number	Street	X	Y
J-186	8-1	Catch Basin	1.94	-3.56	5.5	Design Elevation	08	SUB-11972	422	HAMPTON LN	930209.12	495017.56
J-187	8-2	Catch Basin	1.94	-3.56	5.5	Design Elevation	08	SUB-11972	435	HAMPTON LN	930235.24	494992.4
J-189	7a-1	Catch Basin	2.04	-3.56	5.6	Design Elevation	07A	SUB-11990	472	RIDGEWOOD RD	930376.06	494730.52
J-19		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12192	705	CURTISWOOD DR	929449.53	493226.16
J-192	7a-2	Catch Basin	2.04	-3.56	5.6	Design Elevation	07A	SUB-11990	475	RIDGEWOOD RD	930405.45	494696.87
J-193	6b-21	Catch Basin	2.04	-3.56	5.6	Design Elevation	06B	SUB-11998	475	HAMPTON LN	930162.02	494761.16
J-194	6b-20	Catch Basin	2.04	-3.56	5.6	Design Elevation	06B	SUB-11998	462	HAMPTON LN	930135.36	494768.26
J-196	6b-23	Catch Basin	1.94	-3.56	5.5	Design Elevation	06B	SUB-11998	524	HAMPTON LN	930076.09	494510.79
J-197	6b-24	Catch Basin	1.94	-3.56	5.5	Design Elevation	06B	SUB-11998	525	HAMPTON LN	930107.44	494506.75
J-2		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12086	741	HARBOR DR	928881.04	492863.79
J-20		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12192	700	ALLENDALE RD	929565.33	493270.78
J-200	6b-269x	Catch Basin	2.04	-3.56	5.6	Design Elevation	06B	SUB-11998	573	HAMPTON LN	930082.11	494280.57
J-201	6b-184x	Catch Basin	1.94	-3.56	5.5	Design Elevation	06B	SUB-12452	573	HAMPTON LN	930088.04	494209.55
J-202	6b-185x	Catch Basin	1.94	-3.56	5.5	Design Elevation	06B	SUB-12452	220	W MCINTYRE ST	930111.66	494173.28
J-205	6b-183x	Catch Basin	2.63	0	0	Assumed Elevation	06B	SUB-12242	573	WARREN LN	929856.63	494202.12
J-207	6b-182x	Catch Basin	1.94	-3.56	5.5	Design Elevation	06B	SUB-12224	260	W MCINTYRE ST	929793.72	494172.32
J-21	3-149x	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12192	690	ALLENDALE RD	929554.93	493319.38
J-210	6b-33	Catch Basin	2.04	-3.56	5.6	Design Elevation	06B	SUB-12242	525	WARREN LN	929848.77	494462.33
J-211	6b-32	Catch Basin	2.04	-3.56	5.6	Design Elevation	06B	SUB-12242	524	WARREN LN	929817.16	494468.34
J-215	6b-29	Catch Basin	2.04	-3.56	5.6	Design Elevation	06B	SUB-12244	465	WARREN LN	929915	494794.67
J-216	6b-28	Catch Basin	2.04	-3.56	5.6	Design Elevation	06B	SUB-12260	452	WARREN LN	929881.27	494807.59
J-217	191	Catch Basin	1.41	0	0	Design Elevation	06B	SUB-12258	330	W PALMWOOD LN	929270.07	494771.47
J-218	188	Catch Basin	1.83	0	0	Design Elevation	06B	SUB-12258	320	W PALMWOOD LN	929344.43	494771.26
J-219		Catch Basin	3	0	0	Assumed Elevation	06B	SUB-12258	341	W PALMWOOD LN	929279.55	494796.34
J-22	3-148x	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12192	685	ALLENDALE RD	929586.92	493329.11
J-220	189	Catch Basin	1.87	0	0	Design Elevation	06B	SUB-12258	335	W PALMWOOD LN	929342.56	494798.88
J-221	186	Catch Basin	1.58	0	0	Design Elevation	06B	SUB-12260	301	W PALMWOOD LN	929613.55	494805.35
J-222	187	Catch Basin	1.17	0	0	Design Elevation	06B	SUB-12260	300	W PALMWOOD LN	929607.29	494761.39
J-224		Catch Basin	2.85	-5.06	7.91	Assumed Elevation	06B	SUB-12260	475	ALLENDALE RD	929648.68	494758.03
J-227	6b-39	Catch Basin	3	0	0	Assumed Elevation	06B	SUB-12260	515	ALLENDALE RD	929609.6	494559.06
J-228	6b-41	Catch Basin	3.1	0	0	Assumed Elevation	06B	SUB-12240	525	ALLENDALE RD	929603.23	494508.48
J-229		Catch Basin	3.22	0	0	Assumed Elevation	06B	SUB-12240	526	ALLENDALE RD	929569.74	494466.32
J-23		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12192	276	WESTWOOD DR	929608.21	493289.85
J-230		Catch Basin	3	0	0	Assumed Elevation	06B	SUB-12240	525	ALLENDALE RD	929591.86	494453.45
J-231	6b-266x	Catch Basin	2.14	0	0	Design Elevation	06B	SUB-12240	561	ALLENDALE RD	929584.38	494363.15
J-234	6b-181x	Catch Basin	2.14	0	0	Design Elevation	06B	SUB-12238	573	ALLENDALE RD	929586.33	494209.76
J-236	6b-45	Catch Basin	2.04	-3.56	5.6	Design Elevation	06B	SUB-12238	290	W MCINTYRE ST	929556.08	494166.65
J-237	6b-52	Catch Basin	1.96	-3.56	5.52	Design Elevation	06B	SUB-12016	310	W MCINTYRE ST	929292.25	494164.85
J-239	6b-47	Catch Basin	2.14	-3.56	5.7	Design Elevation	06B	SUB-12246	321	BEECHWOOD DR	929369.65	494547.74
J-240	6b-49	Catch Basin	2.14	-3.56	5.7	Design Elevation	06B	SUB-12246	526	SATINWOOD DR	929305.45	494515.32
J-241	6b-48	Catch Basin	2.14	-3.56	5.7	Design Elevation	06B	SUB-12246	527	SATINWOOD DR	929359.18	494516.2
J-243	6a-11	Catch Basin	2.14	-2.76	4.9	Design Elevation	06A	SUB-12248	527	SABAL PALM DR	929073.35	494514.36
J-245	6a-255x	Catch Basin	1.94	-2.76	4.7	Design Elevation	06A	SUB-12448	545	SABAL PALM DR	929023.04	494437.04
J-246	6a-256x	Catch Basin	1.94	-2.76	4.7	Design Elevation	06A	SUB-12448	545	SABAL PALM DR	929043.97	494422.48
J-250	6a-14	Catch Basin	2.14	-3.56	5.7	Design Elevation	06A	SUB-12448	575	SABAL PALM DR	929017.4	494212.08
J-251	6a-16	Catch Basin	2.14	-3.56	5.7	Design Elevation	06A	SUB-12016	362	W MCINTYRE ST	928983.31	494163.5
J-252	6a-18	Catch Basin	2.04	-3.56	5.6	Design Elevation	06A	SUB-11994	475	BAY LN	928642.77	494854.85
J-255	6a-20	Catch Basin	2.14	-3.56	5.7	Design Elevation	06A	SUB-11978	501	BAY LN	928504.85	494737.51
J-257	6a-22	Catch Basin	2.14	-3.56	5.7	Design Elevation	06A	SUB-11978	515	BAY LN	928422.61	494633.41
J-258	6a-140x	Catch Basin	3	0	0	Assumed Elevation	06A	SUB-11978	470	W MATHESON DR	928309.78	494489.92
J-26		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12190	252	WESTWOOD DR	929806.76	493336.19
J-260		Catch Basin	3	-0.26	3.26	Assumed Elevation	06A	SUB-11978	527	BAY LN	928350.28	494467.52
J-262		Catch Basin	3	0	0	Assumed Elevation	06A	NA	460	W MATHESON DR	928396.07	494439.51
J-264	6a-28	Catch Basin	2.04	0	0	Design Elevation	06A	SUB-12004	520	HARBOR DR	928662.28	494468.72
J-265	6a-27	Catch Basin	2.04	0	0	Design Elevation	06A	SUB-12004	520	HARBOR DR	928660.61	494435.82
J-270	6a-128x	Catch Basin	3	0	0	Assumed Elevation	06A	SUB-12004	565	HARBOR DR	928696.1	494206.14
J-271		Catch Basin	3.06	0	0	Assumed Elevation	06A	SUB-12004	540	HARBOR DR	928637.88	494249.52
J-272	6a-130x	Catch Basin	3	0	0	Assumed Elevation	06A	SUB-12016	571	HARBOR DR	928690.28	494127.15
J-273		Catch Basin	2.65	0	0	Assumed Elevation	06A	SUB-12024	599	HARBOR DR	928687.41	493962.34
J-274		Catch Basin	2	0	0	Assumed Elevation	06A	SUB-12016	580	HARBOR DR	928650.58	493997.55
J-276	6a-42	Catch Basin	1.94	0	0	Design Elevation	06A	SUB-12024	580	HARBOR DR	928615.63	493969.71

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J-277	6a-44	Catch Basin	1.94	-3.56	5.5	Design Elevation	06A	SUB-12024	635	SUNSET CIR	928427.33	493965.96
J-278	6a-143x	Catch Basin	1.84	-3.56	5.4	Design Elevation	06A	SUB-12024	645	SUNSET CIR	928314.75	493953.99
J-28	3-150x	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12190	690	WARREN LN	929798.87	493371.3
J-287	6a-37	Catch Basin	2.14	-3.56	5.7	Design Elevation	06A	SUB-12234	621	HARBOR DR	928681.97	493769.31
J-289	6a-1	Catch Basin	2.24	-3.56	5.8	Design Elevation	06A	SUB-12438	641	CURTISWOOD DR	929175.7	493697.56
J-29	3-151x	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12190	691	WARREN LN	929835.07	493380.1
J-291	6a-2	Catch Basin	2.24	-3.56	5.8	Design Elevation	06A	SUB-12438	642	CURTISWOOD DR	929176.1	493663.71
J-292	6a-4	Catch Basin	2.24	-3.56	5.8	Design Elevation	06A	SUB-12438	630	CURTISWOOD DR	928997.06	493661.38
J-294	6a-254x	Catch Basin	2.24	-3.56	5.8	Design Elevation	06A	SUB-12230	625	CURTISWOOD DR	928969.89	493706.46
J-296	6a-7	Catch Basin	2.64	-3.56	6.2	Design Elevation	06A	SUB-12230	618	CURTISWOOD DR	928938.56	493719.63
J-298	6a-253x	Catch Basin	3	0	0	Assumed Elevation	06A	SUB-12232	600	CURTISWOOD DR	928923.9	493906.19
J-299	6a-252x	Catch Basin	3	0	0	Assumed Elevation	06A	SUB-12232	350	W ENID DR	928962.93	493904.72
J-3		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12086	741	HARBOR DR	928926.09	492885.79
J-302	6a-251x	Catch Basin	2.04	-1.56	3.6	Design Elevation	06A	SUB-12232	365	W ENID DR	928903.63	493939.07
J-303	6a-250x	Catch Basin	2.04	-3.56	5.6	Design Elevation	06A	SUB-12228	345	W ENID DR	929075.5	493939.71
J-306	6a-248x	Catch Basin	3	0	0	Assumed Elevation	06A	SUB-12228	340	W ENID DR	929109.16	493918.56
J-307	6a-249x	Catch Basin	2.04	0	0	Design Elevation	06A	SUB-12228	330	W ENID DR	929170.2	493919.05
J-308		Catch Basin	3	0	0	Assumed Elevation	06B	SUB-12226	301	W ENID DR	929415.85	493959.1
J-309		Catch Basin	3	0	0	Assumed Elevation	06B	SUB-12226	299	W ENID DR	929460	493958.32
J-311		Catch Basin	3	0	0	Assumed Elevation	06B	SUB-12198	600	ALLENDALE RD	929461.01	493917.72
J-313		Catch Basin	3	0	0	Assumed Elevation	06B	SUB-12226	295	W ENID DR	929568.88	493952.09
J-315	6b-11	Catch Basin	3	-3.56	6.56	Assumed Elevation	06B	SUB-12198	640	ALLENDALE RD	929546.36	493764.19
J-316	6b-12	Catch Basin	2.14	-3.56	5.7	Design Elevation	06B	SUB-12198	635	ALLENDALE RD	929580.01	493764.46
J-318	6b-9	Catch Basin	3.35	-3.56	6.91	Assumed Elevation	06B	SUB-12222	265	W ENID DR	929806.24	493953.84
J-319	6b-7	Catch Basin	2.14	-3.56	5.7	Design Elevation	06B	SUB-12194	655	WARREN LN	929830.59	493686
J-32	3-152x	Catch Basin	2.14	-3.56	5.7	Design Elevation	03	SUB-12060	691	HAMPTON LN	930102.29	493371.03
J-320	6b-6	Catch Basin	2.14	-3.56	5.7	Design Elevation	06B	SUB-12194	640	WARREN LN	929796.91	493676.37
J-322	6b-4	Catch Basin	3.03	-3.56	6.59	Assumed Elevation	06B	SUB-12036	217	W ENID DR	930070.02	493955.8
J-325	6b-1	Catch Basin	2.14	-3.56	5.7	Design Elevation	06B	SUB-12036	642	HAMPTON LN	930045.41	493762.72
J-326	6b-2	Catch Basin	2.14	-3.56	5.7	Design Elevation	06B	SUB-12036	641	HAMPTON LN	930079.27	493763.24
J-329	3-65	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12196	670	ALLENDALE RD	929548.24	493536.85
J-330	3-66	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12196	665	ALLENDALE RD	929582.38	493536.92
J-331	7a-5	Catch Basin	2.04	0	0	Design Elevation	07A	NA	435	RIDGEWOOD RD	930501.76	494989.3
J-332	7a-4	Catch Basin	2.04	0	0	Design Elevation	07A	NA	422	RIDGEWOOD RD	930474.33	495020.77
J-336	7a-25	Catch Basin	2.24	-3.56	5.8	Design Elevation	07A	SUB-11958	422	WOODCREST RD	930746.26	495013.09
J-337	7a-26	Catch Basin	2.24	-3.56	5.8	Design Elevation	07A	SUB-11958	435	WOODCREST RD	930775.1	494998.06
J-338	7a-24	Catch Basin	2.24	-3.56	5.8	Design Elevation	07A	SUB-11988	515	WOODCREST RD	930642.03	494613.78
J-339	7a-22	Catch Basin	2.24	-3.56	5.8	Design Elevation	07A	SUB-11988	482	WOODCREST RD	930612.16	494635.5
J-34	3-26	Catch Basin	2.32	0	0	Design Elevation	03	SUB-12060	710	RIDGEWOOD RD	930297.19	493318.17
J-344	261x	Catch Basin	2.14	-4.06	6.2	Design Elevation	07B	SUB-12288	400	FERNWOOD RD	931335.54	495267.21
J-345	7b-8	Catch Basin	2.14	-1.56	3.7	Design Elevation	07B	SUB-12288	400	FERNWOOD RD	931380.81	495267.87
J-346	7b-30	Catch Basin	3	0	0	Assumed Elevation	07B	SUB-11958	435	GLENRIDGE RD	931054.72	495000.69
J-347	7b-29	Catch Basin	3	0	0	Assumed Elevation	07B	SUB-11958	422	GLENRIDGE RD	931020.73	495015.15
J-349		Catch Basin	3	0	0	Assumed Elevation	07B	SUB-11984	482	GLENRIDGE RD	930879.26	494664.07
J-35	3-25	Catch Basin	2.04	0	0	Design Elevation	03	SUB-12062	715	RIDGEWOOD RD	930346.62	493318.34
J-350		Catch Basin	3	0	0	Assumed Elevation	07B	SUB-11984	485	GLENRIDGE RD	930915.63	494664.36
J-352	7b-1	Catch Basin	2.14	-4.06	6.2	Design Elevation	07B	SUB-11986	482	FERNWOOD RD	931140.66	494664.01
J-353	7b-2	Catch Basin	2.14	-1.06	3.2	Design Elevation	07B	SUB-11986	482	FERNWOOD RD	931180.94	494668.39
J-356	7b-4	Catch Basin	2.04	-1.06	3.1	Design Elevation	07B	SUB-11968	432	FERNWOOD RD	931302.35	494943.47
J-357	7b-6	Catch Basin	1.94	-1.56	3.5	Design Elevation	07B	SUB-12288	414	FERNWOOD RD	931358.63	495132.92
J-358	7b-260x	Catch Basin	1.94	-4.06	6	Design Elevation	07B	SUB-11968	412	FERNWOOD RD	931320.82	495141.26
J-360	7b-11	Catch Basin	3.34	-4.06	7.4	Design Elevation	07B	SUB-12286	355	GLENRIDGE RD	931340.11	495597.21
J-361	2B-12	Catch Basin	2.64	-1.56	4.2	Design Elevation	07B	SUB-12286	355	GLENRIDGE RD	931375.97	495601.52
J-365	7b-15	Catch Basin	2.74	-3.56	6.3	Design Elevation	07B	SUB-12286	330	FERNWOOD RD	931306.39	495794.03
J-366	7b-16	Catch Basin	2.84	-1.06	3.9	Design Elevation	07B	SUB-12286	330	FERNWOOD RD	931343.82	495799.93
J-367	7b-36	Catch Basin	2.84	-3.56	6.4	Design Elevation	07B	SUB-12280	354	GLENRIDGE RD	931107.1	495665.05
J-368	7b-37	Catch Basin	2.84	-3.56	6.4	Design Elevation	07B	SUB-12280	354	GLENRIDGE RD	931081.5	495660.77
J-37	3-15	Catch Basin	2.34	-3.56	5.9	Design Elevation	03	SUB-12210	710	WOODCREST RD	930547.89	493284.76
J-370	7b-38	Catch Basin	2.64	0	0	Design Elevation	07B	SUB-12280	310	GLENRIDGE RD	931042.67	495886.6
J-371	7b-39	Catch Basin	2.84	0	0	Design Elevation	07B	SUB-12280	321	GLENRIDGE RD	931077.03	495890.38
J-372	7b-18	Catch Basin	3.04	-3.56	6.6	Design Elevation	07B	SUB-12286	290	FERNWOOD RD	931280.89	496018.6

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ID	Design ID	Structure Type	Rim Elevation	Invert Elevation	Invert Depth	Elev Source	2010 SWMMP Basin	2010 SWMMP Subcatchment	Address Number	Street	X	Y
J-373	7b-19	Catch Basin	3.04	-5.56	8.6	Design Elevation	07B	SUB-12286	290	FERNWOOD RD	931319.38	496021.32
J-376	7b-42	Catch Basin	2.84	-4.06	6.9	Design Elevation	07B	SUB-12300	275	GLENRIDGE RD	931059.43	496175.14
J-377	7b-41	Catch Basin	2.84	-4.06	6.9	Design Elevation	07B	SUB-12300	280	GLENRIDGE RD	931025.77	496175.57
J-378	7b-21	Catch Basin	3.04	-3.56	6.6	Design Elevation	07B	SUB-12284	270	FERNWOOD RD	931274.26	496242.54
J-379	7b-22	Catch Basin	3.04	-5.56	8.6	Design Elevation	07B	SUB-12284	270	FERNWOOD RD	931312.41	496241.25
J-38	3-14	Catch Basin	2.34	-3.56	5.9	Design Elevation	03	SUB-12210	715	WOODCREST RD	930595.56	493272.52
J-382	7b-24	Catch Basin	2.74	-4.06	6.8	Design Elevation	07B	SUB-12284	101	WOODCREST LN	931329.69	496518.66
J-383	7B-44	Catch Basin	2.94	0	0	Design Elevation	07B	SUB-12300	135	WOODCREST LN	931047.33	496517.72
J-386		Catch Basin	4	0	0	Assumed Elevation	07B	SUB-12300	155	WOODCREST LN	930886.33	496513.98
J-387	7a-44	Catch Basin	2.94	-4.56	7.5	Design Elevation	07A	SUB-12296	240	WOODCREST RD	930724.24	496412.26
J-39		Catch Basin	2.88	0	0	Assumed Elevation	03	SUB-12210	699	WOODCREST RD	930614.31	493299.24
J-390	7a-42	Catch Basin	4	-3.56	7.56	Assumed Elevation	07A	SUB-12296	245	WOODCREST RD	930772.44	496375.73
J-391	7a-39	Catch Basin	3.04	-3.56	6.6	Design Elevation	07A	SUB-12278	260	WOODCREST RD	930765.91	496183.41
J-392	7a-40	Catch Basin	3.04	-3.56	6.6	Design Elevation	07A	SUB-12278	275	WOODCREST RD	930802.33	496188.23
J-394	7a-36	Catch Basin	3.04	-3.56	6.6	Design Elevation	07A	SUB-12278	320	WOODCREST RD	930794.07	495851.93
J-395	7a-37	Catch Basin	3.04	-3.56	6.6	Design Elevation	07A	SUB-12278	325	WOODCREST RD	930831.09	495854.93
J-397	7a-33	Catch Basin	3.04	0	0	Design Elevation	07A	SUB-11930	360	WOODCREST RD	930843.29	495548.16
J-398	7a-34	Catch Basin	3.04	0	0	Design Elevation	07A	SUB-11930	359	WOODCREST RD	930879.35	495539.14
J-4		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12086	741	HARBOR DR	928939.82	492871.24
J-400	7a-9	Catch Basin	2.64	-3.56	6.2	Design Elevation	07A	SUB-12276	350	RIDGEWOOD RD	930570.6	495640.63
J-401	7a-10	Catch Basin	2.64	-3.56	6.2	Design Elevation	07A	SUB-12276	355	RIDGEWOOD RD	930608.72	495634.47
J-403	7a-13	Catch Basin	2.64	-3.56	6.2	Design Elevation	07A	SUB-12276	315	RIDGEWOOD RD	930569.81	495945.14
J-404	7a-12	Catch Basin	2.64	0	0	Design Elevation	07A	SUB-12276	300	RIDGEWOOD RD	930533.67	495947.05
J-406	7a-15	Catch Basin	2.64	-3.56	6.2	Design Elevation	07A	SUB-12290	280	RIDGEWOOD RD	930519.27	496162.88
J-408	7a-16	Catch Basin	2.64	-3.56	6.2	Design Elevation	07A	SUB-12290	275	RIDGEWOOD RD	930553.89	496167.12
J-41	3-3	Catch Basin	1.601	-3.56	5.161	Tt Survey	09	SUB-12214	710	GLENRIDGE RD	930791.57	493252.05
J-411	7a-230x	Catch Basin	3.77	-1.56	5.33	Assumed Elevation	07A	SUB-12290	230	HAMPTON LN	930486.46	496453.99
J-413	7a-234x	Catch Basin	2.67	-4.56	7.23	Design Elevation	07A	SUB-12292	246	HAMPTON LN	930312.37	496367.55
J-414	7a-232x	Catch Basin	2.48	-1.56	4.04	Design Elevation	07A	SUB-12292	250	RIDGEWOOD RD	930356.29	496361.82
J-415	7a-233x	Catch Basin	3	0	0	Assumed Elevation	07A	SUB-12292	255	HAMPTON LN	930286.27	496297.19
J-418	7a-231x	Catch Basin	2.76	-1.56	4.32	Design Elevation	07A	SUB-12290	245	RIDGEWOOD RD	930498.89	496412.25
J-419	7a-48	Catch Basin	3.04	-3.56	6.6	Design Elevation	07A	SUB-12304	115	HAMPTON LN	931172.53	496769.15
J-42	3-2	Catch Basin	1.114	-3.56	4.674	Tt Survey	03	SUB-12068	715	GLENRIDGE RD	930842.57	493249.04
J-420	7a-49	Catch Basin	3.04	-3.56	6.6	Design Elevation	07A	SUB-12304	110	HAMPTON LN	931155.43	496733.89
J-421	7a-51	Catch Basin	3.04	-3.56	6.6	Design Elevation	07A	SUB-12302	175	HAMPTON LN	930801.15	496742.56
J-425	7a-261x	Catch Basin	3	0	0	Assumed Elevation	07A	SUB-12306	216	BUTTONWOOD DR	930343.8	496681.25
J-426	7a-260x	Catch Basin	2.44	-2.56	5	Design Elevation	07A	SUB-12306	227	BUTTONWOOD DR	930280.29	496670.38
J-428	7a-59	Catch Basin	2.74	-3.56	6.3	Design Elevation	07A	SUB-12306	230	BUTTONWOOD DR	930120.2	496484.94
J-429	7a-58	Catch Basin	2.74	-3.56	6.3	Design Elevation	07A	SUB-12306	241	BUTTONWOOD DR	930109.47	496524.82
J-43		Catch Basin	1.512	0	0	Tt Survey	03	SUB-12068	699	GLENRIDGE RD	930832.4	493306.19
J-431		Catch Basin	3.229	0	0	Tt Survey	09	SUB-12294	259	BUTTONWOOD DR	929955.14	496368.08
J-432		Catch Basin	2.988	0	0	Tt Survey	09	SUB-12294	250	BUTTONWOOD DR	929983.01	496365.43
J-433	223	Catch Basin	2.935	0	0	Tt Survey	09	SUB-12294	300	BUTTONWOOD DR	930063.56	496057.86
J-434		Catch Basin	3.076	0	0	Tt Survey	09	SUB-12294	285	BUTTONWOOD DR	930008.45	496056.44
J-435		Catch Basin	3.267	-2.11	5.377	Tt Survey	09	SUB-12322	315	CYPRESS DR	929819.42	496057.76
J-436		Catch Basin	2.79	-1.01	3.8	Tt Survey	09	SUB-12322	300	CYPRESS DR	929733.26	496226.13
J-437		Catch Basin	2.391	-2.11	4.501	Tt Survey	09	SUB-12322	335	CYPRESS DR	929739.44	496269.19
J-438		Catch Basin	2.729	0.13	2.599	Tt Survey	09	SUB-12320	251	HARBOR DR	929588.15	496436.59
J-439		Catch Basin	2.897	-1.77	4.667	Tt Survey	09	SUB-12320	245	HARBOR DR	929645.45	496437.65
J-44		Catch Basin	1.43	0	0	Tt Survey	03	SUB-12208	714	FERNWOOD RD	931092.52	493300.67
J-440		Catch Basin	3	-1.86	4.86	Assumed Elevation	09	SUB-12316	191	HARBOR DR	929986.9	496795.75
J-441		Catch Basin	3.89	-1.86	5.75	Assumed Elevation	09	SUB-12316	191	HARBOR DR	930028.18	496746.87
J-446	111	Catch Basin	2.29	0	0	Design Elevation	09	SUB-12312	161	HARBOR DR	930396.07	497021.51
J-447	110	Catch Basin	2.06	0	0	Design Elevation	09	SUB-12312	157	HARBOR DR	930423.89	497046.81
J-448	109	Catch Basin	2.46	0	0	Design Elevation	09	SUB-12314	157	HARBOR DR	930374.64	497132.71
J-449	227	Catch Basin	2.58	0	0	Design Elevation	07A	SUB-12308	201	BUTTONWOOD DR	930491.09	496903.24
J-45	57	Catch Basin	2.08	0	0	Design Elevation	09	SUB-12424	700	CRANDON BLVD	931474.94	493302.85
J-451		Catch Basin	3	0	0	Assumed Elevation	07A	SUB-12308	175	BUTTONWOOD DR	930518.69	496923.53
J-452		Catch Basin	3	0	0	Assumed Elevation	07A	SUB-12308	175	BUTTONWOOD DR	930573.67	496909.11
J-453	7a-224X	Catch Basin	2.44	0	0	Design Elevation	07A	SUB-12308	190	BUTTONWOOD DR	930586.13	496881.97
J-454	108	Catch Basin	2.44	-3.01	5.45	Design Elevation	09	SUB-12314	145	HARBOR DR	930666.13	497276.08

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J-455	106	Catch Basin	1.84	-3.81	5.65	Design Elevation	09	SUB-12314	137	HARBOR DR	930872.58	497307.61
J-456	107	Catch Basin	2.64	0	0	Design Elevation	09	SUB-12314	137	HARBOR DR	930873.72	497239.75
J-457	104	Catch Basin	2.571	0	0	Tt Survey	09	SUB-12314	119	HARBOR DR	931091	497303.15
J-458	105	Catch Basin	2.759	0	0	Tt Survey	09	SUB-12314	119	HARBOR DR	931091.25	497260.42
J-46	56	Catch Basin	1.91	0	0	Design Elevation	09	SUB-12424	700	CRANDON BLVD	931482.82	493268.33
J-460	100	Catch Basin	1.91	-4.09	6	Design Elevation	09	SUB-12310	101	HARBOR DR	931516.6	497311.47
J-461	102	Catch Basin	2.68	0	0	Design Elevation	09	SUB-12310	101	HARBOR DR	931470.04	497217.02
J-462	101	Catch Basin	2.55	0	0	Design Elevation	09	SUB-12310	101	HARBOR DR	931510.17	497217.62
J-463	99	Catch Basin	2.14	-3.76	5.9	Design Elevation	09	SUB-12310	21	HARBOR DR	931778.35	497312.47
J-464		Catch Basin	2.41	0	0	Tt Survey	09	SUB-12310	38	CRANDON BLVD	931947.72	497254.61
J-465		Catch Basin	3.06	0	0	Tt Survey	09	SUB-12310	38	CRANDON BLVD	931992.36	497315.76
J-467	a-1	Catch Basin	3	0	0	Assumed Elevation	09	SUB-12368	38	CRANDON BLVD	932092.89	497325.11
J-468	a-2	Catch Basin	3	0	0	Assumed Elevation	09	SUB-12368	38	CRANDON BLVD	932041.98	497292.83
J-469		Catch Basin	3	0	0	Assumed Elevation	09	SUB-12382	101	CRANDON BLVD	931903.18	496809.15
J-47	54	Catch Basin	2.52	0	0	Design Elevation	09	SUB-12424	700	CRANDON BLVD	931521.94	493232.65
J-470	91	Catch Basin	3.14	-2.81	5.95	Design Elevation	09	SUB-12382	100	CRANDON BLVD	931818.96	496836.16
J-471		Catch Basin	3.75	0	0	Assumed Elevation	09	SUB-12368	84	CRANDON BLVD	931890.27	497043.45
J-472	89	Catch Basin	2.79	0	0	Design Elevation	09	SUB-12382	101	CRANDON BLVD	931867.44	496663.06
J-473	90	Catch Basin	2.7	0	0	Design Elevation	09	SUB-12382	200	CRANDON BLVD	931779.56	496684.5
J-474	87	Catch Basin	3.3	-2.9	6.2	Design Elevation	09	SUB-12444	240	CRANDON BLVD	931746.26	496477.38
J-475	88	Catch Basin	3.3	0	0	Design Elevation	09	SUB-12444	299	CRANDON BLVD	931839.57	496467.98
J-476	86	Catch Basin	2.41	0	0	Design Elevation	10	SUB-12340	300	CARIBBEAN RD	931855.8	496020.51
J-477	85	Catch Basin	2.34	0	0	Design Elevation	10	SUB-12340	300	CARIBBEAN RD	931853.02	496055.6
J-478	83	Catch Basin	2.58	0	0	Design Elevation	09	SUB-12446	300	CARIBBEAN RD	931734.29	496061.79
J-479	84	Catch Basin	2.34	0	0	Design Elevation	09	SUB-12444	300	CARIBBEAN RD	931731.8	496094.16
J-48		Catch Basin	3.04	0	0	Assumed Elevation	09	SUB-12424	721	CRANDON BLVD	931602.45	493309.96
J-480	82	Catch Basin	2.89	-2.31	5.2	Design Elevation	09	SUB-12446	300	CARIBBEAN RD	931748.37	495918.77
J-481	81	Catch Basin	2.89	-2.42	5.31	Design Elevation	09	SUB-11932	340	CARIBBEAN RD	931788.34	495673.35
J-482	77	Catch Basin	3.01	-2.16	5.17	Design Elevation	09	SUB-11936	378	CARIBBEAN RD	931806.42	495432.38
J-483		Catch Basin	3	0	0	Assumed Elevation	10	SUB-12346	390	CARIBBEAN RD	931917.66	495301.92
J-484		Catch Basin	3	0	0	Assumed Elevation	09	SUB-11936	390	CARIBBEAN RD	931909.24	495267.86
J-486	76	Catch Basin	2.68	0	0	Design Elevation	09	SUB-11936	390	CARIBBEAN RD	931802.76	495299.12
J-487	75	Catch Basin	3.07	-2.65	5.72	Design Elevation	09	SUB-11950	17	GRAND BAY ESTATES CIR	931787.27	495141.49
J-488	73	Catch Basin	2.86	0	0	Design Elevation	09	SUB-11970	22	GRAND BAY ESTATES CIR	931818.66	494874.67
J-489	72	Catch Basin	2.94	-2.26	5.2	Design Elevation	09	SUB-11970	22	GRAND BAY ESTATES CIR	931731.25	494905.24
J-49	55	Catch Basin	2.71	0	0	Design Elevation	09	SUB-12424	721	CRANDON BLVD	931622.68	493173.58
J-490	74	Catch Basin	2.54	0	0	Design Elevation	09	SUB-11970	25	GRAND BAY ESTATES CIR	931783.81	494761.57
J-491	71	Catch Basin	2.61	-2.34	4.95	Design Elevation	09	SUB-11970	25	GRAND BAY ESTATES CIR	931695.24	494797.71
J-492	70	Catch Basin	3.073	0	0	Tt Survey	09	SUB-12386	520	CRANDON BLVD	931588.38	494535.55
J-493	66	Catch Basin	3.084	0	0	Tt Survey	09	SUB-12386	530	CRANDON BLVD	931512.54	494290
J-494	67	Catch Basin	2.957	0	0	Tt Survey	09		530	CRANDON BLVD	931498.31	494320.69
J-495	66	Catch Basin	3.409	0	0	Tt Survey	09		530	CRANDON BLVD	931479.44	494307.53
J-496	68	Catch Basin	2.139	0	0	Tt Survey	11	SUB-12394	530	CRANDON BLVD	931635.13	494285.88
J-497	69	Catch Basin	2.029	0	0	Tt Survey	11	SUB-12394	530	CRANDON BLVD	931635.76	494248.41
J-498		Catch Basin	2.711	-3.56	6.271	Design Elevation	11	SUB-12418	455	GRAND BAY DR	933239.95	494211.86
J-499		Catch Basin	3	0	0	Assumed Elevation	11	SUB-12418	455	GRAND BAY DR	933201.85	494241.77
J-50	59	Catch Basin	3.44	-3.71	7.15	Design Elevation	09	SUB-12388	89	WESTWOOD DR	931509.66	493562.25
J-501		Catch Basin	2.118	-3.56	5.678	Tt Survey	11	SUB-12418	455	GRAND BAY DR	933132.02	494297.37
J-502		Catch Basin	2.9	-3.56	6.46	Assumed Elevation	11	SUB-12418	303	GALEN DR	933011.83	494295.19
J-503		Catch Basin	2.21	0	0	Assumed Elevation	11	SUB-12418	303	GALEN DR	933010.66	494248.81
J-504		Catch Basin	2.1	0	0	Assumed Elevation	11	SUB-12418	303	GALEN DR	932944.32	494249.98
J-506		Catch Basin	3	0	0	Assumed Elevation	11	SUB-12408	303	GALEN DR	932769.95	494249.4
J-509		Catch Basin	3	0	0	Assumed Elevation	11	SUB-12408	303	GALEN DR	932630.81	494293.43
J-51	53	Catch Basin	2.69	-3.96	6.65	Design Elevation	09		700	CRANDON BLVD	931562.57	493004.32
J-514		Catch Basin	2.439	0	0	Tt Survey	11	SUB-12408	155	SUNRISE DR	932213.05	494288.99
J-515		Catch Basin	2	0	0	Assumed Elevation	11	SUB-12014	155	SUNRISE DR	932201.66	494244.11
J-516		Catch Basin	3	0	0	Assumed Elevation	11	SUB-12408	285	SUNRISE DR	932529.25	494247.05
J-519		Catch Basin	1.84	0	0	Tt Survey	11	SUB-12398	155	SUNRISE DR	931910.16	494286.11
J-520		Catch Basin	2.69	0	0	Assumed Elevation	11	SUB-12398	155	SUNRISE DR	931856.24	494243.02
J-522	a-19	Catch Basin	2.8	-2.06	4.86	Assumed Elevation	09A	SUB-12380	251	CRANDON BLVD	933357.22	497170.17
J-523	a-20	Catch Basin	2.4	0	0	Assumed Elevation	09A	SUB-12380	251	CRANDON BLVD	933283.02	497142.05

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J-524	a-17	Catch Basin	2	-2.06	4.06	Assumed Elevation	09A	SUB-12380	150	OCEAN LN DR	933232.41	497267.62
J-525	a-28	Catch Basin	2.46	0	0	Assumed Elevation	09A	SUB-12380	150	OCEAN LN DR	933271.97	497156.15
J-526	a-15	Catch Basin	2	0	0	Assumed Elevation	09A	SUB-12376	150	OCEAN LN DR	933144.77	497307.86
J-527	a-16	Catch Basin	6.83	0	0	Assumed Elevation	09A	SUB-12376	150	OCEAN LN DR	933091.28	497257.54
J-528	a-14	Catch Basin	2	0	0	Assumed Elevation	09A	SUB-12374	150	OCEAN LN DR	932965.14	497275.09
J-529	a-9	Catch Basin	2.17	0	0	Assumed Elevation	09A	SUB-12374	100	OCEAN LN DR	932680.69	497259.83
J-53	173	Catch Basin	1.602	0	0	Tt Survey	09	SUB-12214	653	GLENRIDGE RD	930824.19	493666.5
J-531	a-12	Catch Basin	2	0	0	Assumed Elevation	09A	SUB-12374	100	OCEAN LN DR	932829.12	497256.07
J-532	a-11	Catch Basin	2	-5.56	7.56	Assumed Elevation	09A	SUB-12374	100	OCEAN LN DR	932787.89	497312
J-533	a-13	Catch Basin	2	0	0	Assumed Elevation	09A	SUB-12374	150	OCEAN LN DR	932930.96	497339.94
J-534	a-8	Catch Basin	2	0	0	Assumed Elevation	09A	SUB-11868	100	OCEAN LN DR	932524.71	497119.4
J-535	a-7	Catch Basin	2.16	0	0	Assumed Elevation	09A	SUB-11868	100	OCEAN LN DR	932507.95	497182.43
J-536	a-5	Catch Basin	3	0	0	Assumed Elevation	09A	SUB-11868	77	CRANDON BLVD	932366.08	497170.36
J-537	a-6	Catch Basin	3	0	0	Assumed Elevation	09A	SUB-11868	77	CRANDON BLVD	932342.93	497111.78
J-538	a-3	Catch Basin	3	0	0	Assumed Elevation	09A	SUB-12372	77	CRANDON BLVD	932181.53	497239.69
J-539	a-4	Catch Basin	3	0	0	Assumed Elevation	09A	SUB-12372	77	CRANDON BLVD	932152.92	497187.06
J-54	174	Catch Basin	1.15	0	0	Tt Survey	09	SUB-12214	662	GLENRIDGE RD	930778.61	493664.6
J-540	96	Catch Basin	2.68	-0.17	2.85	Design Elevation	09		1	CRANDON BLVD	932265.18	497619.36
J-541	95	Catch Basin	2.54	-0.17	2.71	Design Elevation	09	SUB-11856	12	CRANDON BLVD	932184.45	497658.9
J-542	61	Catch Basin	1.672	0	0	Tt Survey	09		101	SUNRISE DR	931467.93	493932.1
J-543	64	Catch Basin	1.59	0	0	Tt Survey	09		560	CRANDON BLVD	931467.91	493967.16
J-545	63	Catch Basin	1.925	0	0	Tt Survey	11	SUB-12402	101	SUNRISE DR	931617.85	493933.31
J-546		Catch Basin	2.011	0	0	Tt Survey	11	SUB-12402	101	SUNRISE DR	931618.21	493898.73
J-547	51	Catch Basin	3.15	0	0	Design Elevation	09	SUB-12428	731	CRANDON BLVD	931744.92	492832.83
J-548	52	Catch Basin	2.95	0	0	Design Elevation	09	SUB-12428	800	CRANDON BLVD	931664.49	492779.99
J-549		Catch Basin	3	0	0	Assumed Elevation	09	SUB-12428	800	CRANDON BLVD	931862.34	492668.44
J-55	175	Catch Basin	1.342	0	0	Tt Survey	09	SUB-12214	662	GLENRIDGE RD	930779.55	493631.85
J-550	48	Catch Basin	2.17	0.78	1.39	Design Elevation	09	SUB-12428	800	CRANDON BLVD	931774.26	492594.84
J-551	49	Catch Basin	2.08	0	0	Design Elevation	09		800	CRANDON BLVD	931673.88	492642.02
J-552	50	Catch Basin	1.99	0	0	Design Elevation	09		800	CRANDON BLVD	931675.06	492590.36
J-553	44	Catch Basin	3.25	-3.85	7.1	Design Elevation	09	SUB-12430	101	ISLAND DR	932063.12	492376.08
J-556		Catch Basin	4.23	0	0	Assumed Elevation	09	SUB-12430	91	ISLAND DR	932124.17	492285.66
J-557	43	Catch Basin	2.77	0	0	Design Elevation	09	SUB-12432	90	KNOLLWOOD DR	931998.78	492133
J-558	42	Catch Basin	2.79	0	0	Design Elevation	09	SUB-12432	91	ISLAND DR	932035.63	492182.47
J-559	40	Catch Basin	2.84	0	0	Design Elevation	09	SUB-12432	100	ISLAND DR	931963.62	492158.7
J-56	176	Catch Basin	1.061	0	0	Tt Survey	09	SUB-12212	663	WOODCREST RD	930584.52	493625.21
J-560	41	Catch Basin	2.74	-1.46	4.2	Design Elevation	09	SUB-12430	101	ISLAND DR	932000.54	492209.82
J-562	3-78	Catch Basin	2.14	-3.56	5.7	Design Elevation	03	SUB-12150	690	HARBOR LN	928905.41	493186.85
J-564	3-79	Catch Basin	2.14	-3.56	5.7	Design Elevation	03	SUB-12150	695	HARBOR LN	928915.54	493155.55
J-568		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12072	700	HARBOR DR	928613.18	493172.28
J-569		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12072	701	HARBOR DR	928653.28	493203.67
J-57	177	Catch Basin	0.936	0	0	Tt Survey	09	SUB-12212	662	WOODCREST RD	930537.22	493623.08
J-570	3-134x	Catch Basin	2.04	-0.23	2.27	Design Elevation	03	SUB-12072	695	HARBOR DR	928639.6	493319.35
J-571		Catch Basin	3	-0.23	3.23	Assumed Elevation	03	SUB-12072	685	HARBOR DR	928630.36	493477.86
J-572	1-1x	Catch Basin	2.54	0	0	Design Elevation	01	SUB-12088	735	N MASHTA DR	927658.15	492735.39
J-573	1-2x	Catch Basin	2.54	0	0	Design Elevation	01	SUB-12088	730	N MASHTA DR	927639.12	492704.12
J-579	1-12	Catch Basin	2.74	0	0	Design Elevation	01	SUB-12162	660	N MASHTA DR	927976.06	492421.4
J-58	178	Catch Basin	0.901	0	0	Tt Survey	09	SUB-12212	662	WOODCREST RD	930535.95	493660.56
J-580	1-11	Catch Basin	2.74	0	0	Design Elevation	01	SUB-12088	699	N MASHTA DR	927997.49	492446.85
J-583	1-14	Catch Basin	2.74	0	0	Design Elevation	01	SUB-12084	721	S MASHTA DR	927575.47	492477.33
J-584	1-15	Catch Basin	2.64	0	0	Design Elevation	01	SUB-12084	721	S MASHTA DR	927553.56	492451.39
J-586	1-18	Catch Basin	2.74	0	0	Design Elevation	01	SUB-12084	669	S MASHTA DR	927782.5	492257.98
J-587	1-17	Catch Basin	2.74	0	0	Design Elevation	01	SUB-12084	669	S MASHTA DR	927799.41	492283.98
J-589	1-3x	Catch Basin	2.74	-4.06	6.8	Design Elevation	01	SUB-12164	650	S MASHTA DR	928011.36	492064.82
J-59	155	Catch Basin	1.068	0	0	Design Elevation	06B	SUB-12046	676	RIDGEWOOD RD	930296.37	493534.98
J-590	1-6x	Catch Basin	3.68	0	0	Assumed Elevation	01	SUB-12162	640	N MASHTA DR	928196.81	492186.26
J-592	1-7x	Catch Basin	3	0	0	Assumed Elevation	01	SUB-12162	640	N MASHTA DR	928158.28	492264.86
J-594	1-22	Catch Basin	2.74	0	0	Design Elevation	01	SUB-12164	620	S MASHTA DR	928240.1	491867.21
J-595	1-21	Catch Basin	2.74	0	0	Design Elevation	01	SUB-12164	601	S MASHTA DR	928267.9	491892.76
J-597	2-15	Catch Basin	2.54	-3.56	6.1	Design Elevation	02	SUB-12160	550	N MASHTA DR	928661.16	491892.12
J-599	2-18	Catch Basin	2.54	-3.56	6.1	Design Elevation	02	SUB-12160	530	N MASHTA DR	928805.57	491764.99

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J-60	154	Catch Basin	1.048	0	0	Tt Survey	09	SUB-12048	663	RIDGEWOOD RD	930331.26	493629.07
J-600	2-17	Catch Basin	2.54	-3.56	6.1	Design Elevation	02	SUB-12160	530	N MASHTA DR	928784.15	491738.89
J-606	2-23	Catch Basin	2.24	-4.06	6.3	Design Elevation	02	SUB-12128	491	N MASHTA DR	929127.11	491773.5
J-61	153	Catch Basin	1.123	0	0	Tt Survey	09	SUB-12048	663	RIDGEWOOD RD	930339.16	493660.12
J-610	2-8	Catch Basin	2.44	-3.56	6	Design Elevation	02	SUB-12144	500	W MASHTA DR	929021.95	491587.5
J-612	2-1	Catch Basin	2.64	-3.56	6.2	Design Elevation	02	SUB-12144	531	S MASHTA DR	928654.01	491563.69
J-614	2-3	Catch Basin	2.54	0	0	Design Elevation	02	SUB-12144	511	S MASHTA DR	928831.05	491415.43
J-616	2-5	Catch Basin	2.64	-3.56	6.2	Design Elevation	02	SUB-12144	511	S MASHTA DR	928848.44	491357.48
J-617	2-6	Catch Basin	2.54	-3.56	6.1	Design Elevation	02	SUB-12144	540	W MASHTA DR	928910.05	491368.79
J-619	3-6	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12204	748	GLENRIDGE RD	930843.61	492955.12
J-62		Catch Basin	3	0	0	Assumed Elevation	07A	SUB-11958	401	WOODCREST RD	930906.8	495283.18
J-620	3-5	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12204	749	GLENRIDGE RD	930881.72	492933.35
J-621	3-8	Catch Basin	2.24	-3.56	5.8	Design Elevation	03	SUB-12202	797	GLENRIDGE RD	930984.65	492638.64
J-622	3-9	Catch Basin	2.24	-3.56	5.8	Design Elevation	03	SUB-12202	796	GLENRIDGE RD	930936.8	492639.64
J-625	3-11	Catch Basin	3	0	0	Assumed Elevation	03	SUB-12202	128	W MASHTA DR	930968.46	492592.85
J-627	3-21	Catch Basin	2.44	-3.56	6	Design Elevation	03	SUB-12180	796	WOODCREST RD	930666.69	492644.26
J-628	3-20	Catch Basin	2.44	-3.56	6	Design Elevation	03	SUB-12180	797	WOODCREST RD	930706.61	492658.16
J-630	3-18	Catch Basin	2.24	-3.56	5.8	Design Elevation	03	SUB-12182	760	WOODCREST RD	930593.27	492934.02
J-631	3-17	Catch Basin	2.24	-3.56	5.8	Design Elevation	03	SUB-12182	749	WOODCREST RD	930626.29	492940.68
J-634	3-37	Catch Basin	3	-3.56	6.56	Assumed Elevation	03	SUB-12168	212	W MASHTA DR	930436.64	492586.97
J-635	3-35	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12168	798	RIDGEWOOD RD	930407.67	492640.58
J-636	3-34	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12184	797	RIDGEWOOD RD	930444.42	492652.09
J-638	3-32	Catch Basin	2.14	-3.56	5.7	Design Elevation	03	SUB-12186	772	RIDGEWOOD RD	930342.14	492917.38
J-639	3-31	Catch Basin	2.14	-3.56	5.7	Design Elevation	03	SUB-12186	761	RIDGEWOOD RD	930375.24	492924.63
J-646	3-28	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12062	715	RIDGEWOOD RD	930337.99	493208.59
J-648	3-29	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12060	724	RIDGEWOOD RD	930304.05	493208.11
J-65		Catch Basin	3	0	0	Assumed Elevation	07A	SUB-11958	385	WOODCREST RD	930937.98	495311.82
J-651	3-40	Catch Basin	2.34	-3.56	5.9	Design Elevation	03	SUB-12188	780	ALLENDALE RD	930066.42	493061.67
J-652	3-39	Catch Basin	2.34	-3.56	5.9	Design Elevation	03	SUB-12188	775	ALLENDALE RD	930101.9	493057.68
J-655	3-42	Catch Basin	2.54	-3.56	6.1	Design Elevation	03	SUB-12174	775	CURTISWOOD DR	929813.69	492877.26
J-656	3-43	Catch Basin	2.34	-3.56	5.9	Design Elevation	03	SUB-12174	776	CURTISWOOD DR	929813.4	492842.85
J-658	3-45	Catch Basin	2.44	0	0	Design Elevation	03	SUB-12172	785	ALLENDALE RD	930131.52	492854.67
J-66		Catch Basin	3	0	0	Assumed Elevation	07A	SUB-11958	401	WOODCREST RD	930938.07	495286.08
J-660	3-48	Catch Basin	2.24	-3.56	5.8	Design Elevation	03	SUB-12170	265	W MASHTA DR	930147.06	492640.45
J-661	3-47	Catch Basin	2.24	-3.56	5.8	Design Elevation	03	SUB-12170	799	ALLENDALE RD	930184.31	492651.47
J-662		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12154	244	W MASHTA DR	930178.37	492584.85
J-664	3-52	Catch Basin	2.34	-3.56	5.9	Design Elevation	03	SUB-12154	280	W MASHTA DR	929805.15	492583.35
J-667		Catch Basin	3	-3.56	6.56	Assumed Elevation	03	SUB-12158	298	W MASHTA DR	929599.26	492573.04
J-668	3-57	Catch Basin	3	-3.56	6.56	Assumed Elevation	03	SUB-12158	298	W MASHTA DR	929528.76	492508.41
J-669	3-59	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12158	765	MYRTLEWOOD LN	929490.87	492557.66
J-672		Catch Basin	3	-4.56	7.56	Assumed Elevation	03	SUB-12112	840	HARBOR DR	929328.73	492132.81
J-673	3-15x	Catch Basin	2.04	-4.56	6.6	Design Elevation	03	SUB-12100	441	ISLAND DR	929380.41	492238.25
J-675	3-61	Catch Basin	2.04	-3.56	5.6	Design Elevation	03	SUB-12152	725	MYRTLEWOOD LN	929336.4	492787.66
J-68		Catch Basin	3	0	0	Assumed Elevation	07B	SUB-11954	380	GLENRIDGE RD	931113.45	495355.5
J-680	4-2	Catch Basin	2.94	-3.56	6.5	Design Elevation	04	SUB-12200	181	ISLAND DR	931248.59	492350.71
J-681	4-3	Catch Basin	2.94	2.64	0.3	Design Elevation	04	SUB-12200	200	ISLAND DR	931248.72	492316.76
J-683	4-4	Catch Basin	3.44	-3.56	7	Design Elevation	04	SUB-12450	241	ISLAND DR	930918.03	492348.31
J-685	4-6	Catch Basin	4	-3.56	7.56	Assumed Elevation	04	SUB-12166	261	ISLAND DR	930645.39	492345.62
J-689	4-25x	Catch Basin	4	-2.06	6.06	Assumed Elevation	04	SUB-12166	301	ISLAND DR	930369.11	492343.75
J-69		Catch Basin	3	0	0	Assumed Elevation	07B	SUB-11954	380	GLENRIDGE RD	931139.26	495349.74
J-690	4-24x	Catch Basin	4	-2.06	6.06	Assumed Elevation	04	SUB-12166	300	ISLAND DR	930369.38	492305.82
J-696		Catch Basin	4	0	0	Assumed Elevation	05	NA	200	CAPE FLORIDA DR	931633.57	491444.17
J-698	5-3	Catch Basin	3.34	-3.56	6.9	Design Elevation	05	SUB-12136	131	CAPE FLORIDA DR	931942.89	491498.88
J-699	5-5	Catch Basin	3.14	-3.56	6.7	Design Elevation	05	SUB-12136	111	CAPE FLORIDA DR	932222.32	491523.27
J-70		Catch Basin	3	0	0	Assumed Elevation	07B	SUB-11954	400	GLENRIDGE RD	931103.66	495260.96
J-704	5-13	Catch Basin	3.04	-3.56	6.6	Design Elevation	05	NA	60	CAPE FLORIDA DR	932489.28	491514.58
J-706	5-10	Catch Basin	3.04	-3.56	6.6	Design Elevation	05	NA	11	ISLAND DR	932615.95	491625.01
J-708	5-7	Catch Basin	3.29	-3.56	6.85	Design Elevation	05	NA	21	ISLAND DR	932582.52	491730.87
J-709	5-8	Catch Basin	3.14	-3.56	6.7	Design Elevation	05	NA	20	ISLAND DR	932558.23	491719.33
J-71		Catch Basin	4.29	0	0	Assumed Elevation	07B	SUB-11954	401	GLENRIDGE RD	931131.99	495265.33
J-711	s-5	Catch Basin	2.84	-0.66	3.5	Design Elevation	11	SUB-12402	101	SUNRISE DR	931805.98	493939.17

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J-713	s-3	Catch Basin	2.84	-3.56	6.4	Design Elevation	11	SUB-12402	101	SUNRISE DR	931805.98	493901.58
J-715	s-8	Catch Basin	2.84	0	0	Design Elevation	11	SUB-12396	155	SUNRISE DR	932050.33	493939.86
J-716	s-6	Catch Basin	2.94	-3.56	6.5	Design Elevation	11	SUB-12396	155	SUNRISE DR	932039.06	493901.58
J-717	s-11	Catch Basin	2.94	-0.56	3.5	Design Elevation	11	SUB-12404	155	SUNRISE DR	932330.91	493941.56
J-718	s-9	Catch Basin	2.94	-3.56	6.5	Design Elevation	11	SUB-12404	155	SUNRISE DR	932331.59	493903.97
J-720	s-14	Catch Basin	2.84	-0.66	3.5	Design Elevation	11	SUB-12404	285	SUNRISE DR	932581.41	493943.61
J-722	s-12	Catch Basin	3.04	-3.56	6.6	Design Elevation	11	SUB-12404	285	SUNRISE DR	932582.1	493905.68
J-723	s-17	Catch Basin	2.84	-1.56	4.4	Design Elevation	11	SUB-12414	300	SUNRISE DR	932838.07	493946.01
J-724	s-15	Catch Basin	3.04	-1.56	4.6	Design Elevation	11	SUB-12414	300	SUNRISE DR	932827.47	493908.76
J-726	s-20	Catch Basin	2.84	-0.66	3.5	Design Elevation	11	SUB-12414	300	SUNRISE DR	932951.63	493946.2
J-727	s-18	Catch Basin	2.84	-1.56	4.4	Design Elevation	11	SUB-12414	300	SUNRISE DR	932952.29	493909.82
J-732		Catch Basin	3	0	0	Assumed Elevation	11	SUB-12422	300	SUNRISE DR	933123.35	493949.32
J-733		Catch Basin	3	0	0	Assumed Elevation	11	SUB-12422	300	SUNRISE DR	933123.86	493917.51
J-737		Catch Basin	3.24	0	0	Assumed Elevation	11	SUB-12422	300	SUNRISE DR	933207.28	493902.14
J-738	158	Catch Basin	1.478	0	0	Tt Survey	06B	SUB-12036	191	W ENID DR	930279.11	493960.5
J-739	156	Catch Basin	0.691	0	0	Tt Survey	06B	SUB-12036	610	RIDGEWOOD RD	930273.74	493915.07
J-740	157	Catch Basin	1.347	0	0	Tt Survey	06B	SUB-12036	610	RIDGEWOOD RD	930325.6	493915.83
J-741	159	Catch Basin	1.733	0	0	Tt Survey	09		200	W MCINTYRE ST	930320.98	494116.05
J-742	160	Catch Basin	0.855	0	0	Tt Survey	09		200	W MCINTYRE ST	930276.65	494172.04
J-743	161	Catch Basin	0.642	0	0	Tt Survey	09		570	RIDGEWOOD RD	930290.64	494226.13
J-744	162	Catch Basin	1.141	0	0	Tt Survey	09		570	RIDGEWOOD RD	930330.95	494264.31
J-745	163	Catch Basin	1.129	0	0	Tt Survey	07A	SUB-11988	165	W MCINTYRE ST	930366.82	494298.51
J-746	164	Catch Basin	0.922	0	0	Tt Survey	07A	SUB-11988	165	W MCINTYRE ST	930353.27	494334.75
J-747	166	Catch Basin	1.577	0	0	Tt Survey	07A	SUB-11988	119	W MCINTYRE ST	930606.14	494333.15
J-748	165	Catch Basin	1.434	-4.76	6.194	Tt Survey	07A	SUB-11988	145	W MCINTYRE ST	930571.34	494300.35
J-749		Catch Basin	1.496	0	0	Tt Survey	09		101	W MCINTYRE ST	930718.63	494301.44
J-75		Catch Basin	3	0	0	Assumed Elevation	07A	SUB-11930	380	WOODCREST RD	930860.46	495354.39
J-750		Catch Basin	2.455	-4.76	7.215	Tt Survey	09	SUB-12456	571	GLENRIDGE RD	930846.3	494301.13
J-751		Catch Basin	1.582	0	0	Tt Survey	09	SUB-12456	571	GLENRIDGE RD	930798.91	494243.08
J-752		Catch Basin	1.402	0	0	Tt Survey	09	SUB-12454	595	GLENRIDGE RD	930792.56	494018.02
J-753		Catch Basin	1.447	0	0	Tt Survey	09	SUB-12454	605	GLENRIDGE RD	930825.98	493972.02
J-754		Catch Basin	1.381	0	0	Tt Survey	09	SUB-12454	605	GLENRIDGE RD	930827.28	493923.02
J-756	1-4x	Catch Basin	2.74	-3.56	6.3	Design Elevation	01	SUB-12164	641	S MASHTA DR	928015.31	492101.64
J-758	2-10x	Catch Basin	2.44	-3.06	5.5	Design Elevation	02	SUB-12160	500	N MASHTA DR	928956.8	491634.09
J-759	2-11x	Catch Basin	2.44	-3.06	5.5	Design Elevation	02	SUB-12160	500	N MASHTA DR	928936.84	491610.89
J-76		Catch Basin	3	0	0	Assumed Elevation	07A	SUB-11930	385	WOODCREST RD	930887.85	495351.74
J-762	8-15	Catch Basin	1.94	-3.56	5.5	Design Elevation	08	SUB-11948	275	W HEATHER DR	929773.49	495305.85
J-765	3-263x	Catch Basin	3	-2.06	5.06	Assumed Elevation	03	SUB-12180	164	W MASHTA DR	930698.87	492591.62
J-766		Catch Basin	2.34	2.24	0.1	Design Elevation	11	SUB-12410	300	SUNRISE DR	933213.16	493780.71
J-767	s-27	Catch Basin	2.44	2.24	0.2	Design Elevation	11	SUB-12410	300	SUNRISE DR	933235.54	493690.45
J-768	s-26	Catch Basin	2.44	2.24	0.2	Design Elevation	11	SUB-12410	300	SUNRISE DR	933210.27	493690.57
J-769	s-24	Catch Basin	2.57	2.24	0.33	Design Elevation	11	SUB-12410	300	SUNRISE DR	933163.21	493629.07
J-770	s-25	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12410	300	SUNRISE DR	933163.34	493602.84
J-771	s-23	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12410	300	SUNRISE DR	933013.14	493627.99
J-773	s-21	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12420	300	SUNRISE DR	932902.54	493627.27
J-774	s-22	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12420	300	SUNRISE DR	932902.54	493601.15
J-775	s-19	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12420	300	SUNRISE DR	932796.88	493626.55
J-776	s-20	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12420	300	SUNRISE DR	932797.12	493600.19
J-777	s-17	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12420	300	SUNRISE DR	932648.37	493625.58
J-778	s-18	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12420	300	SUNRISE DR	932648.73	493599.47
J-779	s-16	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12420	300	SUNRISE DR	932583.99	493625.22
J-78		Catch Basin	3	0	0	Assumed Elevation	07A	NA	385	RIDGEWOOD RD	930641.68	495327.16
J-781	s-14	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12044	285	SUNRISE DR	932442.46	493624.26
J-782	s-15	Catch Basin	3	2.44	0.56	Assumed Elevation	11	SUB-12044	750	OCEAN DR	932442.58	493598.02
J-783	s-12	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12044	155	SUNRISE DR	932329.33	493623.54
J-784	s-13	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12044	155	SUNRISE DR	932329.69	493596.94
J-785	s-10	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12044	155	SUNRISE DR	932209.71	493622.7
J-786	s-11	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12044	155	SUNRISE DR	932209.83	493596.34
J-787	s-8	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12044	155	SUNRISE DR	932045.07	493621.37
J-788	s-9	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12044	155	SUNRISE DR	932045.43	493595.38
J-789	s-6	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12044	155	SUNRISE DR	931911.73	493620.53

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ID	Design ID	Structure Type	Rim Elevation	Invert Elevation	Invert Depth	Elev Source	2010 SWMMP Basin	2010 SWMMP Subcatchment	Address Number	Street	X	Y
J-79		Catch Basin	3	0	0	Assumed Elevation	07A	NA	400	RIDGEWOOD RD	930590.39	495262.77
J-790	s-7	Catch Basin	2.57	2.44	0.13	Design Elevation	11	SUB-12044	155	SUNRISE DR	931911.97	493594.41
J-791	s-3	Catch Basin	2.57	2.24	0.33	Design Elevation	11	SUB-12400	101	SUNRISE DR	931771.52	493619.69
J-793	s-2	Catch Basin	3	2.24	0.76	Assumed Elevation	11	SUB-12400	101	SUNRISE DR	931657.19	493593.69
J-794	s-4	Catch Basin	2.57	2.24	0.33	Design Elevation	11	SUB-12044	101	SUNRISE DR	931851.06	493620.2
J-795	s-5	Catch Basin	2.57	2.24	0.33	Design Elevation	11	SUB-12044	155	SUNRISE DR	931851.54	493594.04
J-8		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12086	755	HARBOR DR	928977.5	492825.97
J-80		Catch Basin	3	-3.56	6.56	Assumed Elevation	07A	NA	401	RIDGEWOOD RD	930628.84	495272.05
J-801	16a	Catch Basin	3	-4.56	7.56	Assumed Elevation	10	SUB-12364	15	GRAND BAY ESTATES CIR	932045.58	495268.86
J-803	14	Catch Basin	2.24	-4.56	6.8	Design Elevation	10	SUB-12346	390	CARIBBEAN RD	932028.25	495306.57
J-804	15	Catch Basin	2.24	-4.56	6.8	Design Elevation	10	SUB-12346	395	CARIBBEAN RD	932069.65	495307.05
J-805	19c	Catch Basin	2.24	-4.56	6.8	Design Elevation	10	SUB-12346	395	CARIBBEAN RD	932169.62	495304.8
J-807	19b	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12364	24	TURTLE WALK	932169.62	495268.22
J-808	17a	Catch Basin	3	-4.56	7.56	Assumed Elevation	10	SUB-12364	18	TURTLE WALK	932344.36	495268.38
J-81		Catch Basin	3	0	0	Assumed Elevation	08	SUB-11972	385	HAMPTON LN	930364.34	495270.05
J-811	20	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12352	390	GULF RD	932364.42	495312.34
J-812	19	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12352	390	GULF RD	932339.39	495312.34
J-814	22	Catch Basin	3	-4.56	7.56	Assumed Elevation	10	SUB-12352	364	GULF RD	932343.4	495514.85
J-815	23	Catch Basin	1.94	-4.56	6.5	Design Elevation	10	SUB-12352	365	GULF RD	932369.07	495515.01
J-817	25	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12352	346	GULF RD	932336.34	495671.78
J-818	26	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12352	345	GULF RD	932358.48	495686.22
J-820	29	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12348	301	GULF RD	932325.43	495923.22
J-821	28	Catch Basin	2.24	0	0	Design Elevation	10	SUB-12348	318	GULF RD	932298.95	495918.57
J-823	31	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12340	300	GULF RD	932192.88	496035.87
J-824	32	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12348	301	GULF RD	932413.68	496038.28
J-825	1	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12340	300	CARIBBEAN RD	931954.89	496034.65
J-827	3	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12340	301	CARIBBEAN RD	932038.05	496035.74
J-828	5	Catch Basin	2.14	-4.56	6.7	Design Elevation	10	SUB-12340	324	CARIBBEAN RD	931995.68	495925.5
J-830	6	Catch Basin	2.14	-4.56	6.7	Design Elevation	10	SUB-12340	301	CARIBBEAN RD	932022.28	495929.47
J-832	8	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12344	330	CARIBBEAN RD	932027.94	495724.28
J-833	9	Catch Basin	2.14	-4.56	6.7	Design Elevation	10	SUB-12344	335	CARIBBEAN RD	932054.17	495720.31
J-834	12	Catch Basin	2.34	-4.56	6.9	Design Elevation	10	SUB-12346	365	CARIBBEAN RD	932070.3	495510.3
J-835	11	Catch Basin	2.24	-4.56	6.8	Design Elevation	10	SUB-12346	378	CARIBBEAN RD	932044.42	495509.82
J-837	50	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12350	300	PACIFIC RD	932539.02	496035.94
J-839	51	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12350	301	PACIFIC RD	932645.73	496037.06
J-840	47	Catch Basin	1.94	-4.56	6.5	Design Elevation	10	SUB-12350	320	PACIFIC RD	932601.76	495919.44
J-842	48	Catch Basin	1.94	-4.56	6.5	Design Elevation	10	SUB-12350	301	PACIFIC RD	932630.49	495914.79
J-843	44	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12354	340	PACIFIC RD	932636.58	495664.63
J-845	45	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12354	345	PACIFIC RD	932661.29	495666.71
J-846	41	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12354	360	PACIFIC RD	932643.64	495541.88
J-847	42	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12354	365	PACIFIC RD	932668.52	495541.88
J-849	38	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12354	301	E HEATHER DR	932627.92	495304.23
J-85		Catch Basin	3	0	0	Assumed Elevation	08	SUB-11926	385	HAMPTON LN	930383.95	495346.51
J-852	39	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12354	6	TURTLE WALK	932672.05	495303.91
J-853	35	Catch Basin	2.14	-3.56	5.7	Design Elevation	10		6	TURTLE WALK	932649.1	495268.77
J-854	34	Catch Basin	3.1	-3.56	6.66	Assumed Elevation	10		8	TURTLE WALK	932573.2	495268.61
J-858	55	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12362	390	ATLANTIC RD	932966.44	495361.14
J-859	54	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12362	390	ATLANTIC RD	932941.09	495360.5
J-86		Catch Basin	3	0	0	Assumed Elevation	08	SUB-11926	201	W HEATHER DR	930354.18	495351.69
J-861	58	Catch Basin	1.84	-4.56	6.4	Design Elevation	10	SUB-12358	360	ATLANTIC RD	932969.33	495510.05
J-862	57	Catch Basin	1.84	0	0	Design Elevation	10	SUB-12358	360	ATLANTIC RD	932941.89	495507.8
J-864	60	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12358	340	ATLANTIC RD	932931.46	495712.07
J-866	61	Catch Basin	2.14	-4.56	6.7	Design Elevation	10	SUB-12358	335	ATLANTIC RD	932957.29	495713.68
J-867	64	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12356	325	ATLANTIC RD	932939.32	495880.88
J-869	63	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12356	320	ATLANTIC RD	932913.65	495878.15
J-871	66	Catch Basin	2.04	-4.56	6.6	Design Elevation	10	SUB-12356	300	ATLANTIC RD	932852.99	496037.01
J-872	67	Catch Basin	1.94	-4.56	6.5	Design Elevation	10	SUB-12350	300	ATLANTIC RD	932768.11	496037.17
J-873	68	Catch Basin	3	-4.56	7.56	Assumed Elevation	10	SUB-12356	301	ATLANTIC RD	932993.24	496037.01
J-875	71	Catch Basin	2.14	-4.56	6.7	Design Elevation	03		301	ATLANTIC RD	933269.23	496027.86
J-876	72	Catch Basin	2.14	-4.56	6.7	Design Elevation	03		301	ATLANTIC RD	933304.05	496028.02
J-877	73	Catch Basin	2.14	-4.56	6.7	Design Elevation	03		325	ATLANTIC RD	933315.93	495955.33

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ID	Design ID	Structure Type	Rim Elevation	Invert Elevation	Invert Depth	Elev Source	2010 SWMMP Basin	2010 SWMMP Subcatchment	Address Number	Street	X	Y
J-878	a-18	Catch Basin	3.85	0	0	Assumed Elevation	09A	SUB-12380	150	OCEAN LN DR	933202.95	497216.8
J-886	6a-144x	Catch Basin	2	0	0	Assumed Elevation	06A	NA	625	HARBOR CIR	928431.09	493712.16
J-887	6a-145x	Catch Basin	2	0	0	Assumed Elevation	06A	NA	610	HARBOR CIR	928450.98	493673
J-89		Catch Basin	3	0	0	Assumed Elevation	08	SUB-12274	235	W HEATHER DR	930071.91	495303.13
J-890		Catch Basin	1.848	0	0	Tt Survey	03	SUB-12068	715	GLENRIDGE RD	930916.8	493262.99
J-893		Catch Basin	1.823	0	0	Tt Survey	03	SUB-12068	714	FERNWOOD RD	931074.55	493316
J-895		Catch Basin	1.452	0	0	Tt Survey	09	SUB-12218	688	FERNWOOD RD	931072.06	493470.18
J-897		Catch Basin	1.592	0	0	Tt Survey	09	SUB-12216	628	FERNWOOD RD	931049.28	493769.47
J-898		Catch Basin	1.412	0	0	Tt Survey	09	SUB-12216	628	FERNWOOD RD	931069.77	493770.01
J-9		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12086	755	HARBOR DR	928963.5	492770.52
J-90	8-8	Catch Basin	2.04	0	0	Design Elevation	08	SUB-12268	401	WARREN LN	930070.21	495253.27
J-900		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12206	750	FERNWOOD RD	931082.53	492963.08
J-901		Catch Basin	3	0	0	Assumed Elevation	03	SUB-12206	750	FERNWOOD RD	931111.83	492970.49
J-902		Catch Basin	1.587	0	0	Tt Survey	07B	SUB-11986	544	FERNWOOD RD	931058.36	494344.05
J-903		Catch Basin	2.468	0	0	Tt Survey	09	SUB-12458	570	FERNWOOD RD	931040.4	494303.04
J-904		Catch Basin	3	0	0	Assumed Elevation	09	SUB-12458	599	GLENRIDGE RD	931079.51	493985.19
J-905		Catch Basin	1.747	0	0	Tt Survey	09	SUB-12216	610	FERNWOOD RD	931078.48	493922.74
J-906		Catch Basin	1.834	0	0	Tt Survey	09		85	W ENID DR	931161.31	493961.57
J-907		Catch Basin	1.791	0	0	Tt Survey	09		85	W ENID DR	931226.12	493959.17
J-908		Catch Basin	1.914	0	0	Tt Survey	09		85	W ENID DR	931296.48	493959.7
J-91		Catch Basin	3	0	0	Assumed Elevation	08	SUB-12268	400	WARREN LN	930035.94	495261.63
J-910		Catch Basin	4	0	0	Assumed Elevation	09	SUB-12116	250	KNOLLWOOD DR	931023.11	491884.36
J-912		Catch Basin	4	0	0	Assumed Elevation	03	SUB-12142	921	HARBOR DR	930131.99	491679.59
J-914		Catch Basin	3.06	0	0	Assumed Elevation	06A	SUB-12004	540	HARBOR DR	928637.88	494249.52
J-915	235	Catch Basin	2.52	0	0	Design Elevation	07A	SUB-12292	280	HAMPTON LN	930275	496104.46
J-916	236	Catch Basin	2.89	0	0	Design Elevation	07A	SUB-12292	275	HAMPTON LN	930310.5	496105.24
J-917		Catch Basin	6	0	0	Assumed Elevation	06A	SUB-12052	11	HARBOR POINT	927770.89	493697.63
J-918		Catch Basin	3.04	0	0	Assumed Elevation	06A	SUB-12052	18	HARBOR POINT	927798.24	493683.6
J-92		Catch Basin	3	0	0	Assumed Elevation	08	SUB-12268	400	WARREN LN	930028.35	495240.62
J-921		Catch Basin	3.068	0	0	Tt Survey	09	SUB-12294	230	CYPRESS DR	930032.82	496030.35
J-923		Catch Basin	1.506	0	0	Tt Survey	09		101	W MCINTYRE ST	930718.23	494327.27
J-924		Catch Basin	1.942	0	0	Tt Survey	09	SUB-12456	571	GLENRIDGE RD	930846.69	494336
J-925		Catch Basin	1.916	0	0	Tt Survey	09	SUB-12456	571	GLENRIDGE RD	930845.94	494309.33
J-926		Catch Basin	1.865	0	0	Tt Survey	09	SUB-12458	570	FERNWOOD RD	931035.71	494309.86
J-927		Catch Basin	2.55	0	0	Tt Survey	09		544	FERNWOOD RD	931124.75	494324.33
J-929		Catch Basin	1.886	0	0	Tt Survey	09	SUB-12458	570	FERNWOOD RD	931049.04	494185.05
J-93		Catch Basin	3	0	0	Assumed Elevation	08	SUB-12274	235	W HEATHER DR	930081.77	495305.12
J-930		Catch Basin	1.665	0	0	Tt Survey	09	SUB-12458	570	FERNWOOD RD	931070.53	494185.84
J-933		Catch Basin	1.9	0	0	Tt Survey	09	SUB-12458	599	GLENRIDGE RD	931068.05	494053.08
J-94		Catch Basin	3	0	0	Assumed Elevation	08	SUB-12268	400	WARREN LN	929989.81	495277.83
J-941		Catch Basin	2.741	0	0	Tt Survey	09	SUB-12386	530	CRANDON BLVD	931521.18	494285.8
J-942		Catch Basin	2.541	0	0	Tt Survey	09	SUB-12386	530	CRANDON BLVD	931531.51	494347.23
J-943		Catch Basin	3.221	0	0	Tt Survey	09		560	CRANDON BLVD	931472.52	494237.15
J-944		Catch Basin	3.423	0	0	Tt Survey	09		560	CRANDON BLVD	931473.23	494250.79
J-945		Catch Basin	1.989	0	0	Tt Survey	11	SUB-12398	101	SUNRISE DR	931811.53	494285.46
J-946		Catch Basin	2.517	0	0	Tt Survey	11	SUB-12398	101	SUNRISE DR	931841.84	494285.53
J-947		Catch Basin	2.436	0	0	Tt Survey	11	SUB-12398	101	SUNRISE DR	931843.17	494259.36
J-948		Catch Basin	2.652	0	0	Tt Survey	11	SUB-12418	455	GRAND BAY DR	933184.33	494181.35
J-95		Catch Basin	3	0	0	Assumed Elevation	08	SUB-11948	245	W HEATHER DR	929989.69	495302.43
J-950	s-11	Catch Basin	4.39	-2.56	6.95	Design Elevation	09	SUB-12434	51	ISLAND DR	932526.09	492044.88
J-952	s-9	Catch Basin	4.39	-1.81	6.2	Design Elevation	09	SUB-12434	51	ISLAND DR	932577.3	492111.89
J-955		Catch Basin	2.79	0	0	Design Elevation	09	SUB-12430	101	ISLAND DR	932171.14	492500.56
J-956		Catch Basin	2.79	0	0	Design Elevation	09	SUB-12430	101	ISLAND DR	932171.49	492472.09
J-957		Catch Basin	3.42	0	0	Assumed Elevation	09	SUB-12430	101	ISLAND DR	932137.46	492410.98
J-964		Catch Basin	0	0	0	Design Elevation	09		721	CRANDON BLVD	931667.04	493174.46
J-965		Catch Basin	0	0	0	Design Elevation	03	SUB-12062	691	RIDGEWOOD RD	930371.04	493341.65
J-97		Catch Basin	2.41	0	0	Assumed Elevation	08	SUB-11948	401	ALLENDALE RD	929811.32	495262.04
	S-20	Drainage Well	0	0	0		03	SUB-12206	750	FERNWOOD RD	931111.83	492970.49
	HD-1	Drainage Well	3.44	1.34	0	As Built	03	SUB-12142	950	HARBOR DR	930131.99	491679.59
	4(E)	Drainage Well	0	0	0		09A	SUB-12380	251	CRANDON BLVD	933357.22	497170.17
	1(W)/2(E)	Drainage Well	0	0	0		03		390	ATLANTIC RD	932963.39	495267.27

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ID	Design ID	Structure Type	Rim Elevation	Invert Elevation	Invert Depth	Elev Source	2010 SWMMP Basin	2010 SWMMP Subcatchment	Address Number	Street	X	Y
J-102	8-A	Drainage Well	2.02	-4.06	6.08	Design Elevation	08	SUB-11948	275	W HEATHER DR	929780.08	495293.83
J-11	3-C	Drainage Well	2.59	0	0	Design Elevation	03	SUB-12152	355	WESTWOOD DR	929139.39	493024.81
J-118	8-C	Drainage Well	3.74	-4.56	8.3	Assumed Elevation	08	NA	375	HARBOR DR	928790.44	495364.52
J-139	8-B	Drainage Well	2.92	-3.56	6.48	Design Elevation	08	SUB-11924	350	HARBOR CT	929215.9	495728.53
J-235	6-C	Drainage Well	2.69	-4.06	6.75	Design Elevation	06B	SUB-12238	290	W MCINTYRE ST	929556.11	494187.32
J-268	6-A	Drainage Well	2.44	-4.56	7	Design Elevation	06A	SUB-12016	550	HARBOR DR	928678.06	494180.5
J-284	6-D	Drainage Well	3	-4.56	7.56	Assumed Elevation	06A	SUB-12234	601	HARBOR DR	928706.23	493874.08
J-312	6-B	Drainage Well	2.54	-3.56	6.1	Design Elevation	06B	SUB-12226	295	W ENID DR	929557.17	493937.7
J-385	7-B	Drainage Well	3.24	-4.56	7.8	Design Elevation	07B	SUB-12300	155	WOODCREST LN	930889.65	496503.28
J-412	7-C	Drainage Well	3.24	-5.56	8.8	Design Elevation	07A	SUB-12290	230	HAMPTON LN	930461.76	496479.23
J-444	7-D	Drainage Well	3	0	0	Assumed Elevation	09	SUB-12312	161	HARBOR DR	930351.66	497021.58
J-566	3-D	Drainage Well	3	-5.06	8.06	Assumed Elevation	03	SUB-12072	701	HARBOR DR	928671.49	493221.26
J-577	1-28	Drainage Well	4	0	0	Assumed Elevation	01	SUB-12088	715	N MASHTA DR	927844.89	492576.73
J-603	2-24	Drainage Well	2.75	0.94	1.81	Assumed Elevation	02	SUB-12160	491	N MASHTA DR	929165.02	491831.47
J-626	3-A	Drainage Well	2.72	-3.56	6.28	Design Elevation	03	SUB-12180	164	W MASHTA DR	930698.37	492611.96
J-650	3-B	Drainage Well	2.49	-4.06	6.55	Design Elevation	03	SUB-12154	244	W MASHTA DR	930171.96	492608.05
J-692	4-11	Drainage Well	3	0	0	Assumed Elevation	04	SUB-12166	300	ISLAND DR	930387.5	492179.9
J-702	5-15	Drainage Well	3.83	0	0	Assumed Elevation	05	NA	10	ISLAND DR	932464.2	491543.92
J-72	7-A	Drainage Well	2.64	-3.56	6.2	Design Elevation	07A	SUB-11930	385	WOODCREST RD	930877.25	495313.15
J-721	S-13(W)	Drainage Well	3.36	-3.56	6.92	Design Elevation	11	SUB-12404	285	SUNRISE DR	932581.41	493919.35
J-736	S-29(E)	Drainage Well	3	0	0	Assumed Elevation	11	SUB-12422	300	SUNRISE DR	933167.05	493901.74
J-772	3(E)	Drainage Well	2.57	2.44	0.13	Design Elevation	11	SUB-12410	300	SUNRISE DR	933013.26	493601.64
J-780	2(C)	Drainage Well	2.57	2.44	0.13	Design Elevation	11	SUB-12420	750	OCEAN DR	932584.23	493599.11
J-792	1(W)	Drainage Well	2.57	2.24	0.33	Design Elevation	11	SUB-12400	101	SUNRISE DR	931771.76	493593.45
J-104	8-17	Manhole	2.14	-4.56	6.7	Design Elevation	08	SUB-12266	285	W HEATHER DR	929687.16	495293.47
J-109	8-19	Manhole	2.0392	-4.56	6.5992	Design Elevation	08	SUB-12256	381	W HEATHER DR	929033.65	495288.81
J-110		Manhole	2.112	0	0	Design Elevation	08	SUB-12256	360	W HEATHER DR	929030.39	495265.64
J-113	8-20	Manhole	2.2739	-4.56	6.8339	Design Elevation	08	NA	375	HARBOR DR	928798.98	495288.68
J-12		Manhole	3	0	0	Assumed Elevation	03	SUB-12152	701	MYRTLEWOOD LN	929152.34	493010.53
J-129	8-42	Manhole	2.94	-3.56	6.5	Design Elevation	08	NA	375	HARBOR DR	928766.12	495409.62
J-130	8-41	Manhole	2.84	-3.56	6.4	Design Elevation	08	NA	365	HARBOR DR	928783.28	495540.91
J-131	8-39	Manhole	3.49	-3.56	7.05	Assumed Elevation	08	SUB-12328	355	HARBOR DR	928819.81	495655.64
J-132	8-40	Manhole	2.54	0	0	Design Elevation	08	SUB-11924	365	HARBOR DR	928856.57	495542.97
J-140	8-34	Manhole	2.92	-3.56	6.48	Design Elevation	08	SUB-12318	340	HARBOR CT	929291.08	495795.29
J-142	8-33	Manhole	2.96	-3.56	6.52	Design Elevation	08	SUB-12318	325	HARBOR CT	929356.1	495772.19
J-147	8-32	Manhole	2.94	-3.56	6.5	Design Elevation	08	SUB-12318	310	HARBOR CT	929419.75	495906.15
J-148	8-31	Manhole	2.98	-3.56	6.54	Design Elevation	08	SUB-12324	300	HARBOR CT	929503.79	495979.69
J-15	3-71	Manhole	2.64	-4.06	6.7	Design Elevation	03	SUB-12442	700	CURTISWOOD DR	929309.88	493161.95
J-152	8-30	Manhole	3.04	0	0	Design Elevation	08	SUB-12324	305	HARBOR CT	929555.19	495924.96
J-153	8-29	Manhole	3.14	-3.56	6.7	Design Elevation	08	SUB-12324	269	CRANWOOD DR	929643.28	495822.6
J-155	8-28	Manhole	3.06	-3.56	6.62	Design Elevation	08	SUB-12324	280	CRANWOOD DR	929738.4	495785.04
J-156	8-26	Manhole	2.91	-3.56	6.47	Design Elevation	08	SUB-11926	240	CRANWOOD DR	930034.76	495787.37
J-158	8-24	Manhole	3.04	-3.56	6.6	Design Elevation	08	SUB-11926	200	CRANWOOD DR	930297.02	495786.21
J-160	8-23	Manhole	3.14	-3.56	6.7	Design Elevation	08	SUB-11926	335	HAMPTON LN	930315.42	495767.07
J-161	8-37	Manhole	3	-3.56	6.56	Assumed Elevation	08	SUB-12328	335	HARBOR DR	928898.68	495792.16
J-162	8-36	Manhole	3.75	-3.56	7.31	Assumed Elevation	08	SUB-12330	315	HARBOR DR	929006.83	495898.32
J-176	8-22	Manhole	3.16	-3.56	6.72	Design Elevation	08	SUB-11926	201	GREENWOOD DR	930337.5	495612.67
J-179	8-21	Manhole	2.79	-4.06	6.85	Design Elevation	08	SUB-11926	201	W HEATHER DR	930364.95	495390.42
J-18	3-71a	Manhole	2.67	-3.56	6.23	Design Elevation	03	SUB-12176	705	CURTISWOOD DR	929352.02	493188.29
J-180	8-13	Manhole	2.39	-3.56	5.95	Design Elevation	08	SUB-12262	301	REDWOOD LN	929709.27	495056.11
J-185	8-7	Manhole	2.51	-4.06	6.57	Design Elevation	08	SUB-12268	422	WARREN LN	929956.72	495020.67
J-188	8-3	Manhole	2.26	-4.06	6.32	Design Elevation	08	SUB-11972	432	HAMPTON LN	930218.69	495007.59
J-191	7a-3	Manhole	2.39	-3.56	5.95	Design Elevation	07A	SUB-11990	475	RIDGEWOOD RD	930394.68	494708.96
J-195	6b-22	Manhole	2.2	-3.56	5.76	Design Elevation	06B	SUB-11998	462	HAMPTON LN	930142.65	494765.53
J-198	6b-25	Manhole	2.14	-3.56	5.7	Design Elevation	06B	SUB-11998	525	HAMPTON LN	930088.73	494509.09
J-199	6b-25a	Manhole	2.19	-3.56	5.75	Design Elevation	06B	SUB-11998	573	HAMPTON LN	930064.21	494283.12
J-203	6b-27	Manhole	2.14	-3.56	5.7	Design Elevation	06B	SUB-12452	230	W MCINTYRE ST	930053.24	494190.82
J-204	6b-26	Manhole	2.09	-3.56	5.65	Design Elevation	06B	SUB-12452	570	HAMPTON LN	930056.16	494210.35
J-206	6b-35	Manhole	2.19	-3.56	5.75	Design Elevation	06B	SUB-12224	573	WARREN LN	929857.25	494189.55
J-208	6b-36	Manhole	2.19	-3.56	5.75	Design Elevation	06B	SUB-12224	260	W MCINTYRE ST	929805.37	494189.3
J-209	6b-34	Manhole	2.29	-3.56	5.85	Design Elevation	06B	SUB-12242	525	WARREN LN	929828.65	494466.4

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J-212	6b-31	Manhole	2.49	-3.56	6.05	Design Elevation	06B	SUB-12244	482	WARREN LN	929855.35	494635.31
J-213	6b-30	Manhole	2.19	-3.56	5.75	Design Elevation	06B	SUB-12244	462	WARREN LN	929891.07	494794.17
J-223	6b-38	Manhole	2.24	-5.06	7.3	Design Elevation	06B	SUB-12260	475	ALLENDALE RD	929621.22	494758.75
J-225	6b-40	Manhole	2.49	-3.56	6.05	Design Elevation	06B	SUB-12260	515	ALLENDALE RD	929588.58	494561.12
J-226	6b-42	Manhole	2.49	-3.56	6.05	Design Elevation	06B	SUB-12240	525	ALLENDALE RD	929582.41	494511.81
J-232	6b-43	Manhole	2.54	-3.56	6.1	Design Elevation	06B	SUB-12240	544	ALLENDALE RD	929567.7	494368.12
J-233	6b-44	Manhole	2.64	-3.56	6.2	Design Elevation	06B	SUB-12238	301	W MCINTYRE ST	929556.99	494209.15
J-238	6b-53	Manhole	2.54	-4.56	7.1	Design Elevation	06A	SUB-12016	310	W MCINTYRE ST	929304.04	494185.66
J-24	3-69a	Manhole	2.44	-3.56	6	Design Elevation	03	SUB-12192	276	WESTWOOD DR	929605.27	493298.54
J-242	6b-50	Manhole	2.34	-3.56	5.9	Design Elevation	06B	SUB-12246	527	SATINWOOD DR	929328.91	494515.49
J-244	6a-12	Manhole	2.34	-2.76	5.1	Design Elevation	06A	SUB-12248	527	SABAL PALM DR	929041.91	494515.08
J-247		Manhole	3	-3.56	6.56	Assumed Elevation	06A	SUB-12448	545	SABAL PALM DR	929029.85	494432.39
J-248	6a-15	Manhole	2.24	-3.56	5.8	Design Elevation	06A	SUB-12448	575	SABAL PALM DR	928992.67	494212.88
J-249	6a-17	Manhole	2.29	-3.56	5.85	Design Elevation	06A	SUB-12016	362	W MCINTYRE ST	928988.06	494182.65
J-25	3-69	Manhole	2.48	-3.56	6.04	Design Elevation	03	SUB-12192	700	ALLENDALE RD	929572.79	493288.31
J-253	6a-19	Manhole	2.29	-3.56	5.85	Design Elevation	06A	SUB-11994	475	BAY LN	928630.83	494870.73
J-254	6a-21	Manhole	2.34	-3.56	5.9	Design Elevation	06A	SUB-11978	501	BAY LN	928489.48	494750.52
J-256	6a-23	Manhole	2.44	-3.56	6	Design Elevation	06A	SUB-11978	515	BAY LN	928406.18	494644.57
J-259	6a-24	Manhole	2.24	-3.56	5.8	Design Elevation	06A	SUB-11978	527	BAY LN	928319.42	494484.25
J-261	6a-26	Manhole	2.14	-0.26	2.4	Design Elevation	06A	NA	460	W MATHESON DR	928382.08	494449.71
J-266	6a-29	Manhole	2.29	-3.56	5.85	Design Elevation	06A	SUB-12004	520	HARBOR DR	928661.05	494451.52
J-267	6a-30	Manhole	2.39	-4.06	6.45	Design Elevation	06A	SUB-12250	527	HARBOR DR	928710.79	494451.82
J-269	6a-31	Manhole	2.34	-4.56	6.9	Design Elevation	06A	SUB-12016	565	HARBOR DR	928694.97	494180.43
J-27	3-64	Manhole	2.39	-3.56	5.95	Design Elevation	03	SUB-12190	252	WESTWOOD DR	929802.59	493342.61
J-275		Manhole	2.54	-4.56	7.1	Assumed Elevation	06A	SUB-12016	599	HARBOR DR	928673.32	493997.66
J-280	6a-45	Manhole	2.04	-3.56	5.6	Design Elevation	06A	SUB-12024	635	SUNSET CIR	928427.23	493953.97
J-281	6a-43	Manhole	2.04	-3.56	5.6	Design Elevation	06A	SUB-12024	580	HARBOR DR	928615.46	493954.85
J-282	6a-41	Manhole	2.34	-3.56	5.9	Design Elevation	06A	SUB-12024	599	HARBOR DR	928673.66	493955.32
J-283	6a-40	Manhole	2.34	-3.56	5.9	Design Elevation	06A	SUB-12234	601	HARBOR DR	928674.35	493874.26
J-285	6a-36	Manhole	2.34	-4.56	6.9	Design Elevation	06A	SUB-12234	599	HARBOR DR	928685	493931.41
J-286	6a-35a	Manhole	2.29	-4.06	6.35	Design Elevation	06A	SUB-12232	601	HARBOR DR	928805.74	493932.38
J-288	6a-38	Manhole	3.44	-3.56	7	Design Elevation	06A	SUB-12234	621	HARBOR DR	928700.21	493768.06
J-290	6a-3	Manhole	2.84	-3.56	6.4	Design Elevation	06A	SUB-12438	641	CURTISWOOD DR	929176.13	493676.81
J-293	6a-5	Manhole	2.84	-3.56	6.4	Design Elevation	06A	SUB-12438	630	CURTISWOOD DR	928996.09	493673.89
J-295	6a-6	Manhole	2.94	-3.56	6.5	Design Elevation	06A	SUB-12438	625	CURTISWOOD DR	928965.34	493685.59
J-297	6a-8	Manhole	2.29	-3.56	5.85	Design Elevation	06A	SUB-12232	600	CURTISWOOD DR	928937.25	493907.28
J-30	3-63	Manhole	2.39	-3.56	5.95	Design Elevation	03	SUB-12060	228	WESTWOOD DR	929997.14	493358.58
J-300	6a-34	Manhole	2.29	-4.06	6.35	Design Elevation	06A	SUB-12232	365	W ENID DR	928937.04	493933.12
J-301	6a-35	Manhole	2.29	-4.06	6.35	Design Elevation	06A	SUB-12232	600	CURTISWOOD DR	928904.02	493932.18
J-304	6a-10	Manhole	2.29	-4.06	6.35	Design Elevation	06A	SUB-12228	345	W ENID DR	929076.11	493934.21
J-305	6a-9	Manhole	2.34	-4.06	6.4	Design Elevation	06A	SUB-12228	330	W ENID DR	929170.27	493935
J-31	3-63a	Manhole	2.29	-3.56	5.85	Design Elevation	03	SUB-12060	216	WESTWOOD DR	930103.3	493357.6
J-310	6b-17	Manhole	2.49	-3.56	6.05	Design Elevation	06B	SUB-12226	600	ALLENDALE RD	929460.56	493937.62
J-314	6b-13	Manhole	2.49	-3.56	6.05	Design Elevation	06B	SUB-12198	640	ALLENDALE RD	929559.03	493764.53
J-317	6b-10	Manhole	2.54	-3.56	6.1	Design Elevation	06B	SUB-12222	265	W ENID DR	929806.65	493940.14
J-321	6b-8	Manhole	2.59	-3.56	6.15	Design Elevation	06B	SUB-12194	640	WARREN LN	929808.86	493679.56
J-323	6b-5	Manhole	2.39	-3.56	5.95	Design Elevation	06B	SUB-12036	229	W ENID DR	930056.48	493941.45
J-324	6b-3	Manhole	2.54	-3.56	6.1	Design Elevation	06B	SUB-12036	642	HAMPTON LN	930057.8	493762.94
J-327	3-68	Manhole	2.39	-3.56	5.95	Design Elevation	03	SUB-12192	690	ALLENDALE RD	929562.83	493324.12
J-328	3-67	Manhole	2.34	-3.56	5.9	Design Elevation	03	SUB-12196	670	ALLENDALE RD	929559.99	493537.06
J-33	3-27	Manhole	2.36	0	0	Design Elevation	03	SUB-12062	710	RIDGEWOOD RD	930318.51	493337
J-333	7a-6	Manhole	2.24	-3.56	5.8	Design Elevation	07A	NA	432	RIDGEWOOD RD	930492.02	495000.64
J-334	7a-28	Manhole	2.33	-3.56	5.89	Design Elevation	07A	SUB-11958	412	WOODCREST RD	930830.62	495160.33
J-335	7a-27	Manhole	2.56	-3.56	6.12	Design Elevation	07A	SUB-11958	432	WOODCREST RD	930761.26	495004.81
J-341	7a-23	Manhole	2.49	-3.56	6.05	Design Elevation	07A	SUB-11988	515	WOODCREST RD	930630.09	494621.4
J-342	7b-10	Manhole	2.44	-3.56	6	Design Elevation	07B	SUB-12288	400	FERNWOOD RD	931370.18	495298.65
J-343	7b-9	Manhole	2.59	-4.06	6.65	Design Elevation	07B	SUB-12288	400	FERNWOOD RD	931363.82	495267.2
J-348	7b-31	Manhole	2.39	-3.56	5.95	Design Elevation	07B	SUB-11958	422	GLENRIDGE RD	931041.54	495006.07
J-351	7b-28	Manhole	2.56	-3.56	6.12	Design Elevation	07B	SUB-11984	485	GLENRIDGE RD	930901.64	494664.25
J-354	7b-3	Manhole	2.56	-3.56	6.12	Design Elevation	07B	SUB-11986	482	FERNWOOD RD	931166.16	494666.82
J-355	7b-5	Manhole	2.61	-3.56	6.17	Design Elevation	07B	SUB-11968	432	FERNWOOD RD	931287.89	494950.18

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ID	Design ID	Structure Type	Rim Elevation	Invert Elevation	Invert Depth	Elev Source	2010 SWMMP Basin	2010 SWMMP Subcatchment	Address Number	Street	X	Y
J-359	7b-7	Manhole	2.54	-4.06	6.6	Design Elevation	07B	SUB-12288	412	FERNWOOD RD	931342.48	495136.45
J-36	3-27a	Manhole	2.36	-3.56	5.92	Design Elevation	03	SUB-12062	710	RIDGEWOOD RD	930319.24	493321.99
J-362	7b-13	Manhole	3.34	-3.56	6.9	Design Elevation	07B	SUB-12286	355	GLENRIDGE RD	931361.92	495599.4
J-363	7b-14	Manhole	3.34	-3.56	6.9	Design Elevation	07B	SUB-12286	341	GLENRIDGE RD	931342.66	495731.02
J-364	7b-17	Manhole	3.39	-3.56	6.95	Design Elevation	07B	SUB-12286	330	FERNWOOD RD	931318.87	495795.85
J-369	7b-40	Manhole	3.19	-3.56	6.75	Design Elevation	07B	SUB-12280	310	GLENRIDGE RD	931054.6	495887.93
J-374	7b-20	Manhole	3.34	-3.56	6.9	Design Elevation	07B	SUB-12286	290	FERNWOOD RD	931294.32	496019.63
J-375	7b-43	Manhole	3.19	-4.06	7.25	Design Elevation	07B	SUB-12300	275	GLENRIDGE RD	931036.24	496175.62
J-380	7b-23	Manhole	3.34	-4.06	7.4	Design Elevation	07B	SUB-12284	270	FERNWOOD RD	931287.02	496242.15
J-381	7b-25	Manhole	3.34	-5.06	8.4	Design Elevation	07B	SUB-12284	101	WOODCREST LN	931299.96	496510.95
J-384	7b-45	Manhole	3.24	-4.56	7.8	Design Elevation	07B	SUB-12300	135	WOODCREST LN	931047.36	496505.52
J-388	7a-47	Manhole	3.24	-4.56	7.8	Design Elevation	07A	SUB-12296	230	WOODCREST RD	930745.17	496425.33
J-389	7a-43	Manhole	3.34	-4.06	7.4	Design Elevation	07A	SUB-12296	240	WOODCREST RD	930757.26	496371.85
J-393	7a-41	Manhole	3.34	-4.06	7.4	Design Elevation	07A	SUB-12278	260	WOODCREST RD	930790.11	496186.41
J-396	7a-38	Manhole	3.39	-4.06	7.45	Design Elevation	07A	SUB-12278	325	WOODCREST RD	930816.94	495853.61
J-399	7a-35	Manhole	3.84	-3.56	7.4	Design Elevation	07A	SUB-11930	359	WOODCREST RD	930867.84	495541.64
J-40	3-16	Manhole	2.66	-3.56	6.22	Design Elevation	03	SUB-12210	715	WOODCREST RD	930574.81	493279.3
J-402	7a-11	Manhole	3.08	-3.56	6.64	Design Elevation	07A	SUB-12276	355	RIDGEWOOD RD	930595.05	495636.76
J-405	7a-14	Manhole	3.19	-3.56	6.75	Design Elevation	07A	SUB-12276	315	RIDGEWOOD RD	930557.82	495948.66
J-407	7a-17	Manhole	3.01	-3.56	6.57	Design Elevation	07A	SUB-12290	275	RIDGEWOOD RD	930544.43	496166.31
J-409	7a-18	Manhole	2.97	-4.06	7.03	Design Elevation	07A	SUB-12290	250	RIDGEWOOD RD	930492.38	496410.13
J-410	7a-19	Manhole	3.29	-4.06	7.35	Design Elevation	07A	SUB-12290	230	HAMPTON LN	930475.52	496447.85
J-416	7a-20	Manhole	3.19	-4.56	7.75	Design Elevation	07A	SUB-12292	246	HAMPTON LN	930327.03	496364.78
J-417	7a-52	Manhole	3.51	-4.56	8.07	Design Elevation	07A	SUB-12302	200	HAMPTON LN	930658.34	496660.34
J-422	7A-50	Manhole	3.19	-3.56	6.75	Design Elevation	07A	SUB-12304	110	HAMPTON LN	931160.23	496744.08
J-423	7a-63	Manhole	3.34	-5.06	8.4	Design Elevation	07A	SUB-12308	190	BUTTONWOOD DR	930543.36	496863.6
J-424	7a-62	Manhole	2.84	-3.56	6.4	Design Elevation	07A	SUB-12306	216	BUTTONWOOD DR	930336.75	496689.12
J-427	7a-61	Manhole	2.84	-3.56	6.4	Design Elevation	07A	SUB-12306	216	BUTTONWOOD DR	930294.52	496651.78
J-430	7a-60	Manhole	3.14	-3.56	6.7	Design Elevation	07A	SUB-12306	230	BUTTONWOOD DR	930115.86	496498.23
J-445		Manhole	3	-5.06	8.06	Assumed Elevation	09	SUB-12312	157	HARBOR DR	930393.44	497065.29
J-450	7a-64	Manhole	3	-5.06	8.06	Assumed Elevation	07A	SUB-12308	201	BUTTONWOOD DR	930507.19	496914.83
J-459	103	Manhole	3.371	-3.99	7.361	Tt Survey	09	SUB-12310	115	HARBOR DR	931187.31	497301.32
J-466		Manhole	3.1	0	0	Tt Survey	09	SUB-12368	38	CRANDON BLVD	931987.6	497257.23
J-485		Manhole	3	0	0	Assumed Elevation	09	SUB-11936	390	CARIBBEAN RD	931885.02	495277.23
J-5		Manhole	3	-5.06	8.06	Assumed Elevation	03	SUB-12086	741	HARBOR DR	928926.64	492883.61
J-500		Manhole	2.596	0	0	Tt Survey	11	SUB-12418	455	GRAND BAY DR	933128.1	494269.98
J-505		Manhole	2.11	0	0	Assumed Elevation	11	SUB-12418	303	GALEN DR	932912.61	494265.25
J-508		Manhole	3	0	0	Assumed Elevation	11	SUB-12408	285	SUNRISE DR	932615.55	494262.31
J-512		Manhole	2.378	0	0	Tt Survey	11	SUB-12014	155	SUNRISE DR	932170.85	494256.14
J-518		Manhole	2.564	0	0	Tt Survey	11	SUB-12398	155	SUNRISE DR	931909.21	494261.12
J-52	60	Manhole	3.14	0	0	Assumed Elevation	09	SUB-12388	89	WESTWOOD DR	931591.64	493573.62
J-544	65	Manhole	2.63	0	0	Tt Survey	09	SUB-12388	101	SUNRISE DR	931508.35	493948.9
J-554		Manhole	3.87	0	0	Assumed Elevation	09	SUB-12430	101	ISLAND DR	932095.44	492344.76
J-555		Manhole	3.89	-4.4	8.29	Assumed Elevation	09	SUB-12430	91	ISLAND DR	932112.46	492328.95
J-563	3-80	Manhole	2.49	-3.56	6.05	Design Elevation	03	SUB-12150	690	HARBOR LN	928910.38	493172.03
J-565	3-81	Manhole	2.69	-5.06	7.75	Design Elevation	03	SUB-12086	735	HARBOR DR	928776.25	493016.23
J-576	1-29	Manhole	3.04	-4.06	#REF!	Design Elevation	01	SUB-12088	710	N MASHTA DR	927833.45	492571.82
J-578	1-27	Manhole	3.04	0	0	Design Elevation	01	SUB-12088	710	N MASHTA DR	927841.61	492564.93
J-581	1-13	Manhole	3.04	-5.06	8.1	Design Elevation	01	SUB-12162	660	N MASHTA DR	927990.9	492438.81
J-585	1-16	Manhole	2.89	-4.06	6.95	Design Elevation	01	SUB-12084	721	S MASHTA DR	927561.75	492461.35
J-588	1-19	Manhole	3.17	-4.56	7.73	Design Elevation	01	SUB-12084	669	S MASHTA DR	927787.58	492269.3
J-591	1-25	Manhole	2.84	-6.06	8.9	Design Elevation	01	SUB-12162	640	N MASHTA DR	928162.9	492217.96
J-596	1-23	Manhole	3.09	0	0	Design Elevation	01	SUB-12164	601	S MASHTA DR	928250.42	491878.9
J-598	2-16	Manhole	2.74	-3.56	6.3	Design Elevation	02	SUB-12160	550	N MASHTA DR	928650.78	491880.19
J-6		Manhole	3	0	0	Assumed Elevation	03	SUB-12086	741	HARBOR DR	928957.35	492872.28
J-601	2-19	Manhole	2.64	-3.56	6.2	Design Elevation	02	SUB-12160	530	N MASHTA DR	928797.33	491754.88
J-602	2-20	Manhole	2.49	-3.56	6.05	Design Elevation	02	SUB-12160	500	N MASHTA DR	928950.51	491626.14
J-604		Manhole	2	0	0	Assumed Elevation	02	SUB-12160	491	N MASHTA DR	929126.62	491832.74
J-607	2-22	Manhole	2.44	-4.06	6.5	Design Elevation	02	SUB-12122	501	N MASHTA DR	929103.92	491786.25
J-609	2-21	Manhole	2.64	-3.56	6.2	Design Elevation	02	SUB-12144	500	N MASHTA DR	928995.18	491588.55
J-611	2-2	Manhole	2.84	-3.56	6.4	Design Elevation	02	SUB-12144	531	S MASHTA DR	928646.97	491555.63

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ID	Design ID	Structure Type	Rim Elevation	Invert Elevation	Invert Depth	Elev Source	2010 SWMMP Basin	2010 SWMMP Subcatchment	Address Number	Street	X	Y
J-613	2-4	Manhole	2.74	-3.56	6.3	Design Elevation	02	SUB-12144	511	S MASHTA DR	928822.85	491405.79
J-615	2-7	Manhole	2.74	-3.56	6.3	Design Elevation	02	SUB-12144	511	S MASHTA DR	928867.51	491364.53
J-618	3-7	Manhole	2.24	-3.56	5.8	Design Elevation	03	SUB-12204	760	GLENRIDGE RD	930860.2	492943.85
J-623	3-10	Manhole	2.54	-3.56	6.1	Design Elevation	03	SUB-12202	797	GLENRIDGE RD	930957.91	492638.91
J-624	3-12	Manhole	2.84	-3.56	6.4	Design Elevation	03	SUB-12202	128	W MASHTA DR	930968.4	492614.76
J-629	3-22	Manhole	2.64	-3.56	6.2	Design Elevation	03	SUB-12180	797	WOODCREST RD	930685.06	492650.98
J-63		Manhole	3	0	0	Assumed Elevation	07A	SUB-11958	385	WOODCREST RD	930912.07	495306.67
J-632	3-19	Manhole	2.54	-3.56	6.1	Design Elevation	03	SUB-12182	760	WOODCREST RD	930602.1	492935.76
J-633	3-38	Manhole	2.39	-4.06	6.45	Design Elevation	03	SUB-12168	212	W MASHTA DR	930436.49	492609.91
J-637	3-36	Manhole	2.14	-3.56	5.7	Design Elevation	03	SUB-12184	797	RIDGEWOOD RD	930424.35	492645.7
J-64		Manhole	3	-3.56	6.56	Assumed Elevation	07A	SUB-11958	385	WOODCREST RD	930937.89	495306.9
J-640	3-33	Manhole	2.21	-3.56	5.77	Design Elevation	03	SUB-12186	772	RIDGEWOOD RD	930354.72	492920.23
J-645	3-30	Manhole	2.17	-3.56	5.73	Design Elevation	03	SUB-12062	724	RIDGEWOOD RD	930317.08	493208.33
J-647		Manhole	3	0	0	Assumed Elevation	03	SUB-12062	724	RIDGEWOOD RD	930317.08	493208.33
J-653	3-41	Manhole	2.64	-3.56	6.2	Design Elevation	03	SUB-12188	780	ALLENDALE RD	930080.08	493060.85
J-654	3-44	Manhole	2.64	-3.56	6.2	Design Elevation	03	SUB-12174	775	CURTISWOOD DR	929813.54	492864.65
J-657	3-46	Manhole	2.81	-3.56	6.37	Design Elevation	03	SUB-12172	785	ALLENDALE RD	930109.13	492867.1
J-659	3-49	Manhole	2.54	-3.56	6.1	Design Elevation	03	SUB-12170	799	ALLENDALE RD	930162.34	492645.43
J-663	3-53	Manhole	2.54	-4.56	7.1	Design Elevation	03	SUB-12154	285	W MASHTA DR	929804.86	492607.07
J-665	3-55	Manhole	2.44	-4.56	7	Design Elevation	03	SUB-12158	298	W MASHTA DR	929589.16	492597.69
J-666	3-58	Manhole	2.49	-4.56	7.05	Design Elevation	03	SUB-12158	298	W MASHTA DR	929514.88	492516.83
J-67	7b-35	Manhole	2.94	-3.56	6.5	Design Elevation	07B	SUB-11954	401	GLENRIDGE RD	931137.04	495309.19
J-670	3-60	Manhole	2.24	-4.56	6.8	Design Elevation	03	SUB-12152	770	MYRTLEWOOD LN	929468.56	492544.84
J-678	3-62	Manhole	2.14	-4.56	6.7	Design Elevation	03	SUB-12152	730	MYRTLEWOOD LN	929323.06	492776.35
J-682	4-1	Manhole	3.04	-3.56	6.6	Design Elevation	04	SUB-12200	200	ISLAND DR	931247.71	492336.57
J-684	4-5	Manhole	3.71	-3.56	7.27	Design Elevation	04	SUB-12450	241	ISLAND DR	930917.74	492334.46
J-686	4-7	Manhole	3.64	-2.56	6.2	Design Elevation	04	SUB-12166	261	ISLAND DR	930645.76	492332.38
J-687	4-8	Manhole	3.44	-4.06	7.5	Design Elevation	04	SUB-12166	301	ISLAND DR	930401.5	492330.36
J-688	4-9	Manhole	3.44	-3.56	7	Design Elevation	04	SUB-12166	301	ISLAND DR	930369.42	492329.86
J-691	4-10	Manhole	3.29	-3.56	6.85	Design Elevation	04	SUB-12166	300	ISLAND DR	930403.16	492179.85
J-697		Manhole	4	-3.56	7.56	Assumed Elevation	05	SUB-12136	131	CAPE FLORIDA DR	931944.06	491490.8
J-7	3-76	Manhole	2.34	-4.56	6.9	Design Elevation	03	SUB-12086	755	HARBOR DR	928976.07	492863.31
J-700	5-6	Manhole	3.29	-3.56	6.85	Design Elevation	05	SUB-12136	111	CAPE FLORIDA DR	932222.7	491513.93
J-701	5-14	Manhole	3.24	-5.06	8.3	Design Elevation	05	NA	10	ISLAND DR	932465.05	491533.65
J-705	5-12	Manhole	3.49	-3.56	7.05	Design Elevation	05	NA	50	CAPE FLORIDA DR	932614.72	491547.08
J-707	5-11	Manhole	3.19	-3.56	6.75	Design Elevation	05	NA	10	ISLAND DR	932606.75	491624.15
J-710	5-9	Manhole	3.29	-3.56	6.85	Design Elevation	05	NA	20	ISLAND DR	932574.85	491727.41
J-712	s-4	Manhole	3.27	-0.66	3.93	Design Elevation	11	SUB-12402	101	SUNRISE DR	931805.98	493914.22
J-714	s-7	Manhole	3.17	-3.56	6.73	Design Elevation	11	SUB-12396	155	SUNRISE DR	932043.16	493915.59
J-719	s-10	Manhole	3.29	-1.56	4.85	Design Elevation	11	SUB-12404	155	SUNRISE DR	932331.59	493917.64
J-725	s-16	Manhole	3.06	-2.06	5.12	Design Elevation	11	SUB-12414	300	SUNRISE DR	932830.55	493921.4
J-728	s-19	Manhole	2.89	-2.06	4.95	Design Elevation	11	SUB-12414	300	SUNRISE DR	932951.96	493922.17
J-73		Manhole	3	-3.56	6.56	Assumed Elevation	07A	SUB-11958	380	WOODCREST RD	930843.8	495304.94
J-734		Manhole	3	-2.06	5.06	Assumed Elevation	11	SUB-12422	300	SUNRISE DR	933123.51	493928.46
J-735		Manhole	3	0	0	Assumed Elevation	11	SUB-12422	300	SUNRISE DR	933167	493919.47
J-74		Manhole	3	-3.56	6.56	Assumed Elevation	07A	SUB-11930	385	WOODCREST RD	930878.9	495352.97
J-755	1-20	Manhole	2.84	-3.56	6.4	Design Elevation	01	SUB-12164	641	S MASHTA DR	928013.33	492078.78
J-757	1-24	Manhole	2.89	-5.56	8.45	Design Elevation	01	SUB-12164	641	S MASHTA DR	928036.51	492059.24
J-760	3-4	Manhole	1.897	-3.56	5.457	Tt Survey	03	SUB-12068	710	GLENRIDGE RD	930821.16	493247.04
J-761	8-18	Manhole	2.4919	-4.56	7.0519	Design Elevation	08	SUB-12264	385	HEATHER LN	929305.63	495293.92
J-763	7a-67	Manhole	3	0	0	Assumed Elevation	09	SUB-12314	161	HARBOR DR	930310.45	497076.93
J-764	3-82	Manhole	2.34	-5.06	7.4	Design Elevation	03	SUB-12086	715	HARBOR DR	928753.26	493061.22
J-77	7a-7	Manhole	2.39	-3.56	5.95	Design Elevation	07A	NA	385	RIDGEWOOD RD	930638.73	495302.66
J-799	16b	Manhole	3.44	-4.06	7.5	Design Elevation	10	SUB-12364	390	CARIBBEAN RD	931940.48	495281.21
J-800	16	Manhole	2.64	-5.06	7.7	Design Elevation	10	SUB-12364	15	GRAND BAY ESTATES CIR	932044.94	495281.37
J-802	13	Manhole	2.54	-5.06	7.6	Design Elevation	10	SUB-12346	390	CARIBBEAN RD	932046.22	495304.32
J-806	19a	Manhole	2.54	-4.56	7.1	Design Elevation	10	SUB-12364	24	TURTLE WALK	932169.62	495281.54
J-809	17	Manhole	2.59	-5.06	7.65	Design Elevation	10	SUB-12364	18	TURTLE WALK	932344.52	495281.37
J-810	18	Manhole	2.34	-4.56	6.9	Design Elevation	10	SUB-12352	390	GULF RD	932347.73	495312.34
J-813	21	Manhole	2.44	-5.06	7.5	Design Elevation	10	SUB-12352	364	GULF RD	932351.58	495514.69
J-816	24	Manhole	2.34	-4.56	6.9	Design Elevation	10	SUB-12352	346	GULF RD	932342.76	495676.11

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J-819	27	Manhole	2.54	-4.56	7.1	Design Elevation	10	SUB-12348	318	GULF RD	932307.29	495920.18
J-82		Manhole	3	-4.06	7.06	Assumed Elevation	08	SUB-12274	201	W HEATHER DR	930354.62	495273.24
J-822	30	Manhole	2.44	-4.56	7	Design Elevation	10	SUB-12348	300	GULF RD	932289.48	496039.08
J-826	2	Manhole	2.34	-4.56	6.9	Design Elevation	10	SUB-12340	300	CARIBBEAN RD	931988.95	496030.2
J-829	4	Manhole	2.54	-4.56	7.1	Design Elevation	10	SUB-12340	301	CARIBBEAN RD	932003.27	495926.58
J-83		Manhole	3	-4.06	7.06	Assumed Elevation	08	SUB-12274	201	W HEATHER DR	930355.09	495304.35
J-831	7	Manhole	2.49	-4.56	7.05	Design Elevation	10	SUB-12344	335	CARIBBEAN RD	932037.93	495724.88
J-836	10	Manhole	2.54	-5.06	7.6	Design Elevation	10	SUB-12346	378	CARIBBEAN RD	932054.9	495509.82
J-838	49	Manhole	2.34	-4.56	6.9	Design Elevation	10	SUB-12350	300	PACIFIC RD	932588.61	496039.79
J-84		Manhole	3	0	0	Assumed Elevation	08	SUB-11926	201	W HEATHER DR	930363.81	495350.08
J-841	46	Manhole	2.14	-4.56	6.7	Design Elevation	10	SUB-12350	320	PACIFIC RD	932612.35	495917.52
J-844	43	Manhole	1.94	-4.56	6.5	Design Elevation	10	SUB-12354	340	PACIFIC RD	932643.96	495665.59
J-848	40	Manhole	2.44	-5.06	7.5	Design Elevation	10	SUB-12354	360	PACIFIC RD	932654.72	495542.36
J-850	37	Manhole	3	-5.06	8.06	Assumed Elevation	10	SUB-12354	6	TURTLE WALK	932646.85	495304.23
J-851	33	Manhole	2.69	-3.56	6.25	Design Elevation	10	NA	6	TURTLE WALK	932644.45	495281.44
J-855	69	Manhole	3.06	-5.06	8.12	Assumed Elevation	10		390	ATLANTIC RD	932945.74	495267.91
J-856	52	Manhole	2.54	-5.06	7.6	Design Elevation	10	NA	390	ATLANTIC RD	932945.58	495281.39
J-860	53	Manhole	2.09	-5.06	7.15	Design Elevation	10	SUB-12362	390	ATLANTIC RD	932949.59	495360.66
J-863	56	Manhole	2.09	-5.06	7.15	Design Elevation	10	SUB-12358	360	ATLANTIC RD	932951.36	495508.61
J-865	59	Manhole	2.54	-4.56	7.1	Design Elevation	10	SUB-12358	340	ATLANTIC RD	932941.09	495712.71
J-868	62	Manhole	2.44	-4.56	7	Design Elevation	10	SUB-12356	320	ATLANTIC RD	932921.67	495878.95
J-87	8-9	Manhole	2.44	-4.06	6.5	Design Elevation	08	SUB-12268	401	WARREN LN	930053.92	495256.98
J-870	65	Manhole	2.59	-4.56	7.15	Design Elevation	10	SUB-12356	300	ATLANTIC RD	932897.92	496022.09
J-874	70	Manhole	2.14	-4.56	6.7	Design Elevation	10	SUB-12356	301	ATLANTIC RD	932993.56	496028.34
J-879	a-26	Manhole	2.92	-4.06	6.98	Assumed Elevation	09A	SUB-12380	150	OCEAN LN DR	933206.7	497224.02
J-88	8-11	Manhole	2.44	-4.06	6.5	Design Elevation	08	SUB-12274	235	W HEATHER DR	930071.28	495296.57
J-880	a-25	Manhole	4.81	-4.06	8.87	Assumed Elevation	09A	SUB-12376	150	OCEAN LN DR	933100.71	497267.05
J-881	a-24	Manhole	4.67	-3.56	8.23	Assumed Elevation	09A	SUB-12376	150	OCEAN LN DR	933075.3	497269.65
J-882	a-23	Manhole	2	-3.56	5.56	Assumed Elevation	09A	SUB-12374	150	OCEAN LN DR	932959.78	497287.55
J-883	a-22	Manhole	2	-5.56	7.56	Assumed Elevation	09A	SUB-12374	100	OCEAN LN DR	932822.03	497265.31
J-884		Manhole	2	-3.56	5.56	Assumed Elevation	09A	SUB-12374	100	OCEAN LN DR	932766.58	497234.99
J-888		Manhole	1.879	0	0	Tt Survey	03	SUB-12068	715	GLENRIDGE RD	930838.6	493268.22
J-889		Manhole	1.956	0	0	Tt Survey	03	SUB-12068	715	GLENRIDGE RD	930916.74	493270.57
J-891		Manhole	2.238	0	0	Tt Survey	03	SUB-12208	714	FERNWOOD RD	931062.27	493269.56
J-892		Manhole	2.104	0	0	Tt Survey	03	SUB-12068	714	FERNWOOD RD	931059.58	493312.41
J-894		Manhole	1.761	0	0	Tt Survey	09	SUB-12218	688	FERNWOOD RD	931057.54	493471.78
J-896		Manhole	1.629	0	0	Tt Survey	09	SUB-12216	628	FERNWOOD RD	931054.97	493769.01
J-899		Manhole	3	0	0	Assumed Elevation	03	SUB-12206	750	FERNWOOD RD	931091.06	492966.41
J-922		Manhole	1.567	0	0	Tt Survey	07A	SUB-11988	145	W MCINTYRE ST	930538.19	494327.48
J-928		Manhole	2.43	0	0	Tt Survey	09	SUB-12458	570	FERNWOOD RD	931055.87	494314.14
J-931		Manhole	2.284	0	0	Tt Survey	09	SUB-12458	570	FERNWOOD RD	931054.78	494184.35
J-932		Manhole	2.166	0	0	Tt Survey	09	SUB-12458	599	GLENRIDGE RD	931051.43	494044.3
J-934		Manhole	2.083	0	0	Tt Survey	09	SUB-12216	610	FERNWOOD RD	931053.13	493906.29
J-935		Manhole	2.628	0	0	Tt Survey	09		85	W ENID DR	931226.5	493967.08
J-936		Manhole	3.909	0	0	Tt Survey	09		560	CRANDON BLVD	931286.95	494342.15
J-937		Manhole	4.107	0	0	Tt Survey	09		88	W MCINTYRE ST	931280.49	494288.09
J-938		Manhole	4.039	0	0	Tt Survey	09		560	CRANDON BLVD	931319.25	494304.88
J-939		Manhole	4.449	0	0	Tt Survey	09		560	CRANDON BLVD	931332.36	494294.45
J-940		Manhole	3.806	0	0	Tt Survey	09		560	CRANDON BLVD	931315.39	494263.98
J-951	s-10	Manhole	4.62	-2.56	7.18	Design Elevation	09	SUB-12434	51	ISLAND DR	932536.33	492059.11
J-953	s-35	Manhole	4.04	-2.56	6.6	Design Elevation	09	SUB-12430	71	ISLAND DR	932355.56	492186.46
J-954	s-32	Manhole	3.44	-2.56	6	Design Elevation	09	SUB-12430	91	ISLAND DR	932158.69	492314.23
J-958	s-33	Manhole	3.09	-1.36	4.45	Tt Survey	09	SUB-12368	38	CRANDON BLVD	932013.47	497318.18
J-96		Manhole	3	-4.06	7.06	Assumed Elevation	08	SUB-11948	245	W HEATHER DR	929989.57	495295.87
J-963		Manhole	0	-4.56	0	Design Elevation	03	SUB-12152	705	MYRTLEWOOD LN	929224.39	492924.57
J-98		Manhole	2	0	0	Assumed Elevation	08	SUB-11948	401	ALLENDALE RD	929807.59	495270.25
J-99	8-14	Manhole	2.04	-3.56	5.6	Design Elevation	08	SUB-11948	401	ALLENDALE RD	929785.57	495267.53
J-123	ABANDONED	Outfall	3.72	0	0	Assumed Elevation	08		380	HARBOR DR	928503.23	495406.78
J-171	O-16	Outfall	-1	0	0	Assumed Elevation	08		260	HARBOR DR	929166.14	496393.77
J-263	O-14	Outfall	2.63	0	0	Assumed Elevation	06A	NA	460	W MATHESON DR	928396.6	494343.45
J-279	O-12	Outfall	3	0	0	Assumed Elevation	06A	SUB-12024	645	SUNSET CIR	928219.43	493954.15

VILLAGE OF KEY BISCAYNE
STORMWATER MASTER PLAN UPDATE
EXISTING DRAINAGE STRUCTURE INVENTORY

ID	Design ID	Structure Type	Rim Elevation	Invert Elevation	Invert Depth	Elev Source	2010 SWMMP Basin	2010 SWMMP Subcatchment	Address Number	Street	X	Y
J-442	O-17	Outfall	-1	-4.36	3.36	Assumed Elevation	09	SUB-12316	191	HARBOR DR	929962.31	496822.39
J-561	O-03	Outfall	2.61	-3.56	6.17	Design Elevation	09		100	ISLAND DR	931876.92	492029.26
J-567	O-11	Outfall	0	0	0	Assumed Elevation	03	SUB-12072	700	HARBOR DR	928442.34	493086.86
J-575	O-10	Outfall	-1	0	0	Assumed Elevation	01		735	N MASHTA DR	927753.93	492862.29
J-582	O-09	Outfall	-2	0	0	Assumed Elevation	01		631	N MASHTA DR	928279.22	492414.6
J-605	O-06	Outfall	-1.38	0	0	Assumed Elevation	02	SUB-12160	491	N MASHTA DR	929119.57	491869.24
J-671	O-07	Outfall	1.11	0	0	Assumed Elevation	03	SUB-12152	840	HARBOR DR	929236.41	491948.26
J-693	O-08	Outfall	0.62	0	0	Assumed Elevation	04	SUB-12166	300	ISLAND DR	930388.14	492140.11
J-694	O-01	Outfall	-3	0	0	Assumed Elevation	05		161	CAPE FLORIDA DR	931619.27	491634.31
J-703	O-02	Outfall	3	0	0	Assumed Elevation	05	NA	10	ISLAND DR	932422.25	491538.88
J-909	O-04	Outfall	4.03	0	0	Assumed Elevation	09		250	KNOLLWOOD DR	930905.9	491843.73
J-911	O-05	Outfall	-3	0	0	Assumed Elevation	03		921	HARBOR DR	930243.31	491799.97
J-913	O-15	Outfall	-0.25	0	0	Assumed Elevation	06A	NA	550	HARBOR DR	928510.52	494251.88
J-919	O-13	Outfall	1.52	0	0	Assumed Elevation	06A	SUB-12052	18	HARBOR POINT	927943.38	493623.3
J-920	O-03	Outfall	2.6	-3.61	6.21	Design Elevation	09		90	KNOLLWOOD DR	931905.49	492008.54
J-857	PS 2	Pump Station	3.11	0	0	Assumed Elevation	10		390	ATLANTIC RD	932963.39	495267.27
J-885	PS 1	Pump Station	2.08	0	0	Assumed Elevation	09A	SUB-12380	251	CRANDON BLVD	933312.4	497170.88
J-507		Tie	3	0	0	Assumed Elevation	11	SUB-12408	303	GALEN DR	932769.95	494264.07
J-510		Tie	2.48	0	0	Assumed Elevation	11	SUB-12418	303	GALEN DR	933011.24	494265.84
J-511		Tie	2.47	0	0	Assumed Elevation	11	SUB-12418	303	GALEN DR	932944.32	494265.84
J-513		Tie	2.13	0	0	Assumed Elevation	11	SUB-12014	155	SUNRISE DR	932202.24	494258.79
J-517		Tie	3	0	0	Assumed Elevation	11	SUB-12408	285	SUNRISE DR	932529.25	494262.31
J-521		Tie	2.59	0	0	Assumed Elevation	11	SUB-12398	155	SUNRISE DR	931856.65	494257.03
J-530	a-10	Weir	2	-3.56	5.56	Assumed Elevation	09A	SUB-12374	100	OCEAN LN DR	932710.08	497205.05
J-574	1-10	Weir	2.99	-4.06	7.05	Design Elevation	01	SUB-12088	730	N MASHTA DR	927651.79	492724.45
J-593	1-26	Weir	2.89	-6.06	8.95	Design Elevation	01	SUB-12162	640	N MASHTA DR	928173.69	492283.59
J-674	3-56	Weir	2.34	-3.56	5.9	Design Elevation	03	SUB-12100	441	ISLAND DR	929365.68	492246.24
J-695	5-2	Weir	3.19	-3.56	6.75	Design Elevation	05	NA	161	CAPE FLORIDA DR	931632.34	491465.68

APPENDIX G

Drainage Well Performance Test Results

Jaffer
WELL DRILLING

Jaffer Well Drilling, a Division
of A.C. Schultes of Florida, Inc.
1451 SE 9th Court
Hialeah, Florida 33010
Dade: 305/576-7363
Broward: 954/523-6669
Fax: 305/573-8711

Village of Key Biscayne – Armando Nunez
C3TS – Sean Compel

Re: Key Biscayne
Well Redevelopments & Testing

Gentlemen:

To date twenty-seven (27)wells have been cleaned out, redeveloped and tested. Original depth on all wells except Ocean Lane #3 (W) has been restored. Though unable to restore the complete original open hole interval in this well, its capacity is excellent. Only two (2) wells have capacities below the target 800gpm/ft of available head, 3-A and 3-B. Their original borehole depth was restored and there is an underlying sand layer below, which would prevent an attempt at drilling additional open hole.

The table below summarizes specific capacity (gpm/ft of drawdown) data.

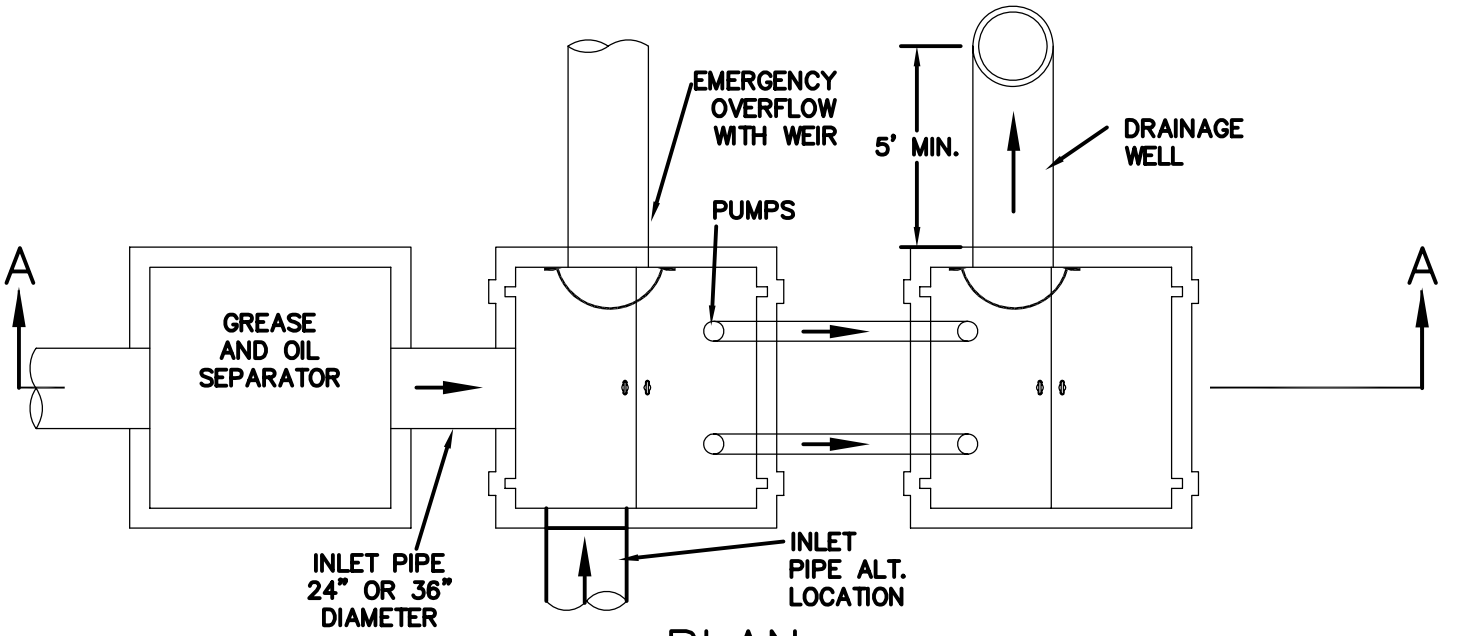
	Well	Drawdown @ 400gpm	Specific capacity @ 400 gpm
E Heather Dr.	#1 (w)	.23'	1,740
E Heather Dr.	#2 (e)	.146'	2,740
Ocean Ln. Dr.	#3(w)	.23'	1,740
Ocean Ln. Dr.	#4(e)	.042'	9,500
Basins 1-8	3-A	.813'	490
	3-B	1.02'	390
	3-C	.13'	3,070
	3-D	.38'	1,050
	4-11	.46'	870
	5-15	.25'	1,600
	6-A	.042'	9,500
	6-B	.354'	1,130
	6-C	.21'	1,900
	6-D	.063'	6,350
	7-A	.19'	2,100
	7-B	.33'	1,210
	7-C	.313'	1,270
	7-D	.19'	2,100
	8-A	.21'	1,900
	8-B	.313'	1,270
	8-C	.042'	9,500
Westwood Dr.	S-20	.313'	1,270
Fire Rescue	1 (w)	.063'	6,350
Fire Rescue	2 (e)	.167'	2,390
Police/Admin	1 (w)	.354'	1,130
	2 (e)	.104'	3,840
Harbor Dr		.125'	3,200

If future storms indicate that the well 3-A and well 3-B systems provide inadequate drainage, the wells could be modified by driving 18" casing through these existing wells below the underlying sand layer into a deeper rock strata. Open hole would then be drilled below and the annulus between the 18" casing and 24" casing and borehole grouted.

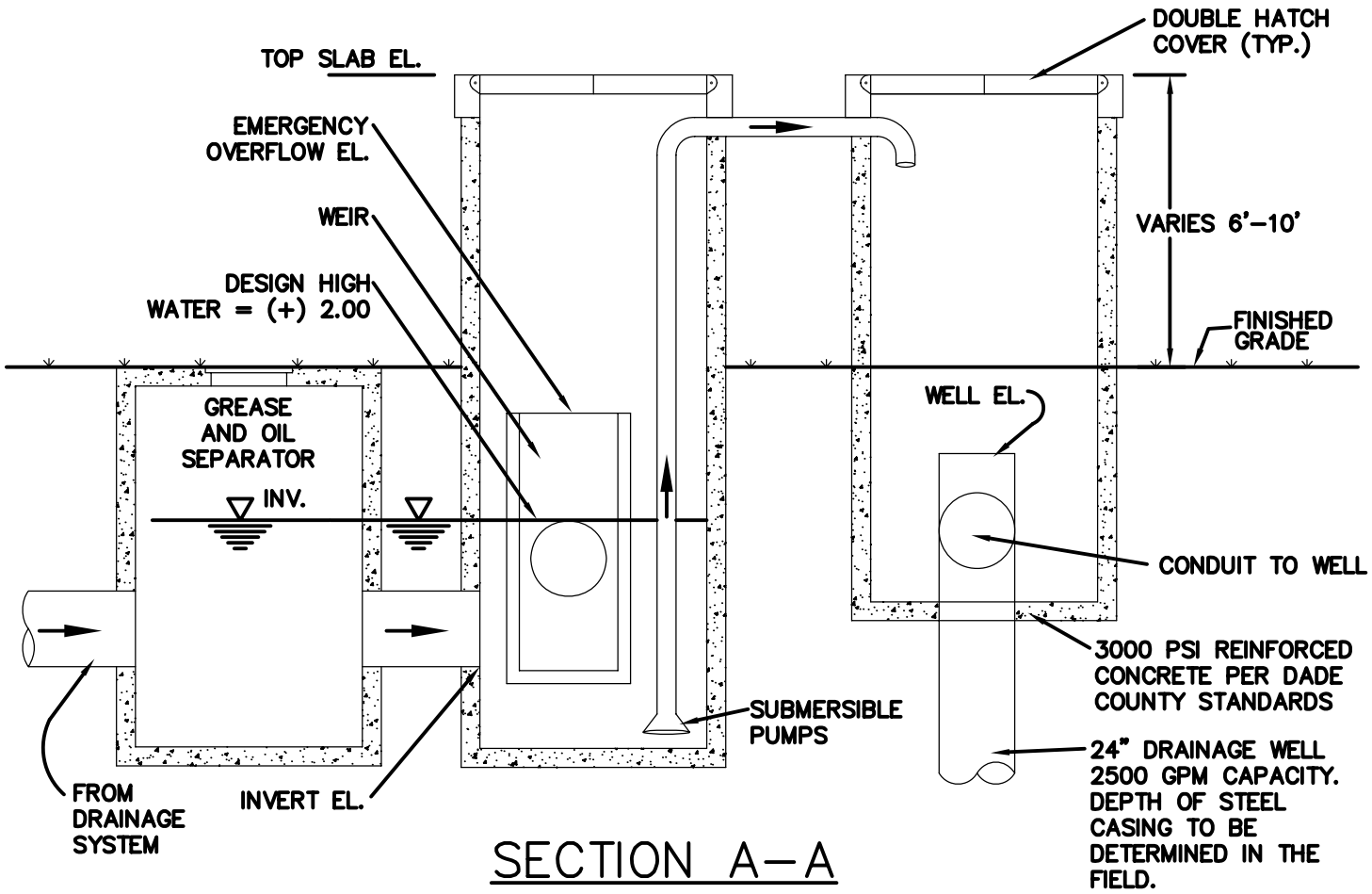
William J. McCluskey

APPENDIX H

Pump Station Details



PLAN
N.T.S.



SECTION A-A

PUMPING STATION WITH GRAVITY WELLS
AND GREASE & OIL SEPARATOR

DATE: 8/4/93	DRAWN: TMAF	CHECKED: LMB	DATE:	REVISION	BY
WILLIAMS, HATFIELD & STONER. INC. CONSULTING ENGINEERS · PLANNERS · SURVEYORS			VILLAGE OF KEY BISCAYNE STORMWATER MASTER PLAN DRAINAGE DETAILS		PROJECT No: 3225.00 EXHIBIT: 3.1 PAGE:

FILE NAME: PUMP_STA.DWG

APPENDIX I

US Army Corps of Engineer – CorpsCON Datum Conversion

Key Biscayne

14 October 2010

INPUT	OUTPUT
Geographic, NAD83 Vertical - NAVD88, U.S. Feet	Geographic, NAD83 Vertical - NGVD29 (Vertcon94), U.S. Feet

lkInd 1/2

Latitude:	25 41 38	**Latitude:**	25 41 38.00000
Longitude:	080 09 54	**Longitude:**	80 09 54.00000
Elevation/Z:	2.67	**Elevation/Z:**	4.232

lkInd 2/2

Latitude:	25 39 58	**Latitude:**	25 39 58.00000
Longitude:	080 09 21	**Longitude:**	80 09 21.00000
Elevation/Z:	3.41	**Elevation/Z:**	4.972

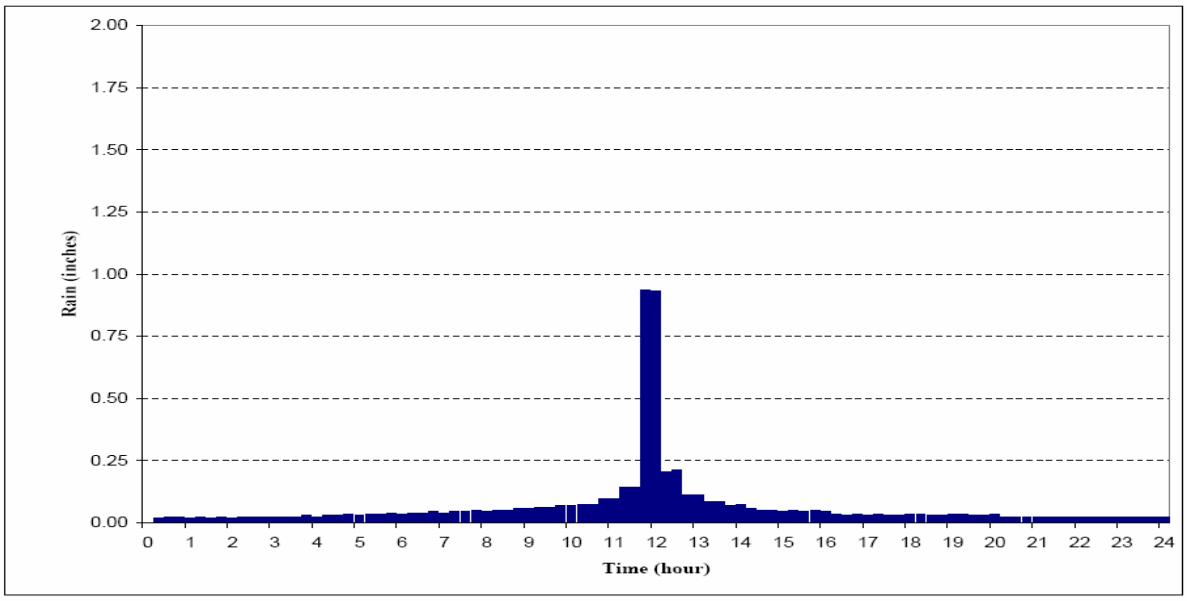
Remark: convert from 88 to 29

Corpscon v6.0.1, U.S. Army Corps of Engineers

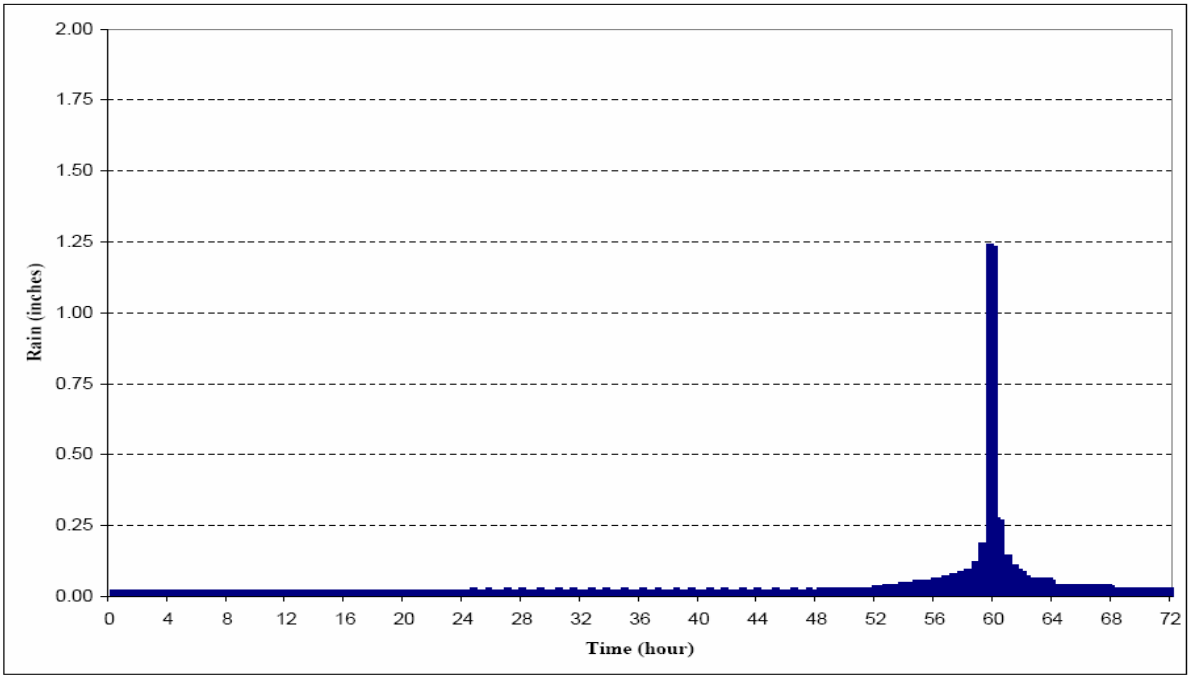
APPENDIX J

SFWMD Hyetographs

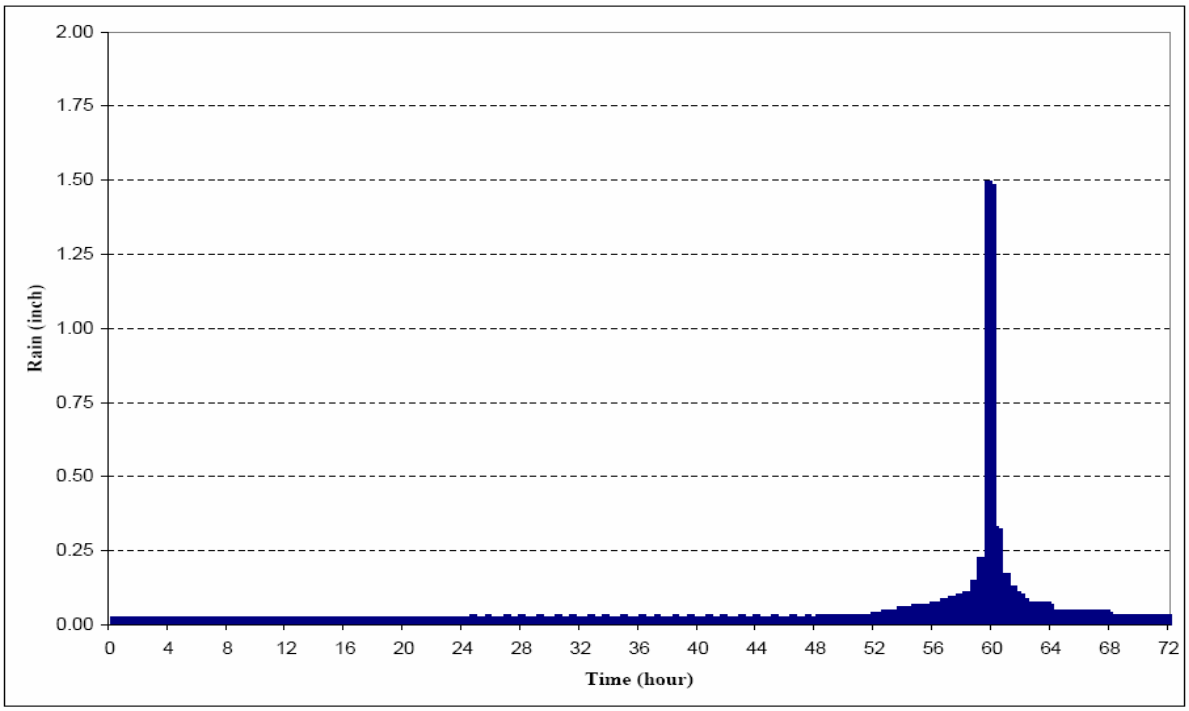
HYDROLOGIC/HYDRAULIC DESIGN STORM EVENTS
&
WATER QUALITY PLOTS



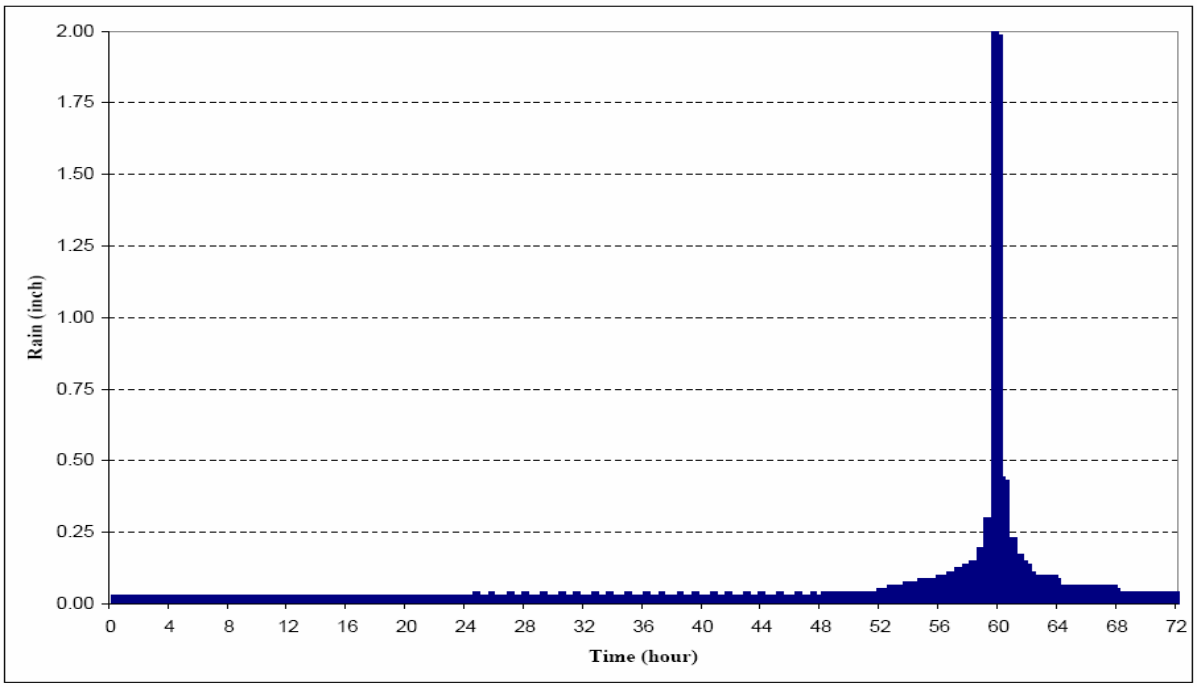
Rainfall Hyetographs for the 5-Year 24-Hour Design Storm



Rainfall Hyetographs for the 10-Year 72-Hour Design Storm



Rainfall Hyetographs for the 25-Year 72-Hour Design Storm



Rainfall Hyetographs for the 100-Year 72-Hour Design Storm

APPENDIX K

Opinion of Probable Cost

VILLAGE OF KEY BISCAYNE
STORM WATER MASTER PLAN
ENGINEERS OPINION OF PROBABLE COST

ALTERNATIVE 2 -FLAP GATES

Item	Quantity	Unit		Unit Cost		Total
Mobilization / Demobilization	1	LS	$	110,000.00	$	110,000.00
General Requirements	1	LS	$	23,000.00	$	23,000.00
8" Tidal Gate	1	EA	$	1,500.00	$	1,500.00
12" Tidal Gate	4	EA	$	1,800.00	$	7,200.00
15" Tidal Gate	3	EA	$	3,500.00	$	10,500.00
18" Tidal Gate	3	EA	$	5,000.00	$	15,000.00
24" Tidal Gate	2	EA	$	6,000.00	$	12,000.00
30" Tidal Gate	1	EA	$	10,000.00	$	10,000.00
36" Tidal Gate	4	EA	$	15,000.00	$	60,000.00
48" Tidal Gate	3	EA	$	25,000.00	$	75,000.00
Subtotal					**$**	**324,200**
Contractor's O&P (20%)					$	64,840
Contingencies (20%)					$	64,840
Sub-total					**$**	**129,680**
Construction Total					**$**	**453,880**
Engineering Design and Permitting (15%)					$	68,082
Surveying and Geotechnical (10%)					$	45,388
Construction Admin (10%)					$	45,388
Engineering Subtotal					**$**	**158,858**
TOTAL					**$**	**612,738**

VILLAGE OF KEY BISCAYNE
STORM WATER MASTER PLAN
ENGINEERS OPINION OF PROBABLE COST

PROBLEM AREA #1-DRAINAGE WELLS EAST DR

Item	Quantity	Unit		Unit Cost		Total
Mobilization / Demobilization	1	LS	$	21,000.00	$	21,000.00
General Requirements	1	LS	$	9,000.00	$	9,000.00
Maintenance of Traffic	1	LS	$	24,000.00	$	24,000.00
Asphalt Removal/Replacement	165	SY	$	45.00	$	7,425.00
Drainage Well	3	EA	$	30,000.00	$	90,000.00
Drainage Well Box Structure	3	EA	$	80,000.00	$	240,000.00
Site Restoration	3	EA	$	18,000.00	$	54,000.00
Subtotal					**$**	**445,425**
Contractor's O&P (20%)					$	89,085
Contingencies (20%)					$	89,085
Sub-total					**$**	**178,170**
Construction Total					**$**	**623,595**
Engineering Design and Permitting (15%)					$	93,539
Surveying and Geotechnical (5%)					$	31,180
Construction Admin (10%)					$	62,360
Engineering Subtotal					**$**	**187,079**
TOTAL					**$**	**810,674**

VILLAGE OF KEY BISCAYNE
STORM WATER MASTER PLAN
ENGINEERS OPINION OF PROBABLE COST

PROBLEM AREA #2 - DRAINAGE WELLS FERNWOOD RD

Item	Quantity	Unit		Unit Cost		Total
Mobilization / Demobilization	1	LS	$	21,000.00	$	21,000.00
General Requirements	1	LS	$	9,000.00	$	9,000.00
Maintenance of Traffic	1	LS	$	10,000.00	$	10,000.00
Asphalt Removal/Replacement	55	SY	$	45.00	$	2,475.00
Drainage Well	1	EA	$	30,000.00	$	30,000.00
Drainage Well Box Structure	1	EA	$	80,000.00	$	80,000.00
Site Restoration	1	EA	$	18,000.00	$	18,000.00
Subtotal					**$**	**170,475**
Contractor's O&P (20%)					$	34,095
Contingencies (20%)					$	34,095
Sub-total					**$**	**68,190**
Construction Total					**$**	**238,665**
Engineering Design and Permitting (15%)					$	35,800
Surveying and Geotechnical (5%)					$	11,933
Construction Admin (10%)					$	23,867
Engineering Subtotal					**$**	**71,600**
TOTAL					**$**	**310,265**

VILLAGE OF KEY BISCAYNE
STORM WATER MASTER PLAN
ENGINEERS OPINION OF PROBABLE COST

PROBLEM AREA #3 - DRAINAGE WELLS HAMPTON RD

Item	Quantity	Unit		Unit Cost		Total
Mobilization / Demobilization	1	LS	$	21,000.00	$	21,000.00
General Requirements	1	LS	$	9,000.00	$	9,000.00
Maintenance of Traffic	1	LS	$	10,000.00	$	10,000.00
Asphalt Removal/Replacement	55	SY	$	45.00	$	2,475.00
Drainage Well	1	EA	$	30,000.00	$	30,000.00
Drainage Well Box Structure	1	EA	$	80,000.00	$	80,000.00
Site Restoration	1	EA	$	18,000.00	$	18,000.00
Subtotal					**$**	**170,475**
Contractor's O&P (20%)					$	34,095
Contingencies (20%)					$	34,095
Sub-total					**$**	**68,190**
Construction Total					**$**	**238,665**
Engineering Design and Permitting (15%)					$	35,800
Surveying and Geotechnical (5%)					$	11,933
Construction Admin (10%)					$	23,867
Engineering Subtotal					**$**	**71,600**
TOTAL					**$**	**310,265**

APPENDIX L

VKB Storm Water Rate Study

Village of Key Biscayne

FY 2011 Stormwater Rate Study

Final Report

March 24, 2011

Prepared by:

BURTON & ASSOCIATES

UTILITY RATES ▪ ASSESSMENTS ▪ FINANCIAL PLANNING

BURTON & ASSOCIATES

March 24, 2011

Genaro "Chip" Iglesias
Village Manager
Village of Key Biscayne
88 W. McIntyre Street
Key Biscayne, FL 33149

Re: FY 2011 Stormwater Rate Study – Final Report

Dear Mr. Iglesias:

Burton & Associates is pleased to present this Final Report of the FY 2011 Stormwater Rate Study that we have performed for the Village's Stormwater Enterprise Fund.

We appreciate the fine assistance provided by you and all of the members of Village staff who participated in the analysis.

If you have any questions, please do not hesitate to call me at (904) 247-0787.

Sincerely,

Andrew J. Burnham
Senior Vice President

Enclosure

BURTON & ASSOCIATES
200 Business Park Circle, Suite 101 • St. Augustine, Florida 32095 • Phone (904) 247-0787 • Fax (904) 241-7708
E-mail: *aburnham@burtonandassociates.com*

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SECTION 1. INTRODUCTION

Burton & Associates has conducted a rate study (Study) for the Village of Key Biscayne Stormwater Enterprise Fund (Utility). The following sections of this report describe in detail the assumptions, procedures, results, and the conclusions and recommendations of the Study.

1.1 BACKGROUND

The Utility was created in 1993 with the purpose of ensuring the collection and disposal of stormwater within the Village of Key Biscayne (Village) in order to protect the health, safety, and welfare of its citizens. As part of the creation of the Utility, the Village adopted stormwater user fees that were intended to provide sufficient revenues for planning, constructing, operating, and maintaining its stormwater system. The fees adopted in 1993 have not been adjusted since their implementation despite significant increases to the cost of providing stormwater service. As such, the Village contracted with Burton & Associates to perform a comprehensive rate study as part of the financial management of the Utility to ensure that the stormwater user fees would provide adequate revenues to meet the cost of providing stormwater service in the community.

1.2 OBJECTIVE AND SCOPE

The primary objective of the Study was to develop a multi-year financial management plan that will: (1) satisfy operating, debt service, and capital cost requirements; (2) establish and maintain adequate operating reserves; and (3) minimize rate impacts to the greatest extent possible. In addition, the Study also includes a comparative survey of residential stormwater rates in neighboring communities.

SECTION 2. FINANCIAL MANAGEMENT PLAN

Burton & Associates developed a financial management plan for the Utility that identifies the level of annual revenue (and stormwater fee adjustments) required over a near-term planning period (FY 2011 – FY 2015) and long-term projection period (FY 2011 – FY 2020) to meet all of the Utility's operating and capital requirements. The following sub-sections present a description of the base data, assumptions, key issues, and results of the financial management plan, while the final section of this report presents the conclusions and recommendations of the supporting analysis presented herein.

2.1 BASE DATA

The financial management plan for the Utility was developed using the most current historical and projected information available. The following data for the Utility were relied upon in the conduct of the Study:

- Comprehensive Annual Financial Report: Fiscal Year Ended September 30, 2009
- FY 2009 & FY 2010 stormwater billings by account for the Utility per the Miami-Dade Water and Sewer Department (MDWASD)
- FY 2010 Budget for revenue and expenditures
- FY 2010 year-to-date actual revenue and expenditure data through 7/31/10
- FY 2011 Budget for revenue and expenditures
- Additional future operating and capital improvement requirements as identified by Village staff outside of the current FY 2011 Budget.

2.2 ASSUMPTIONS

We communicated with Village staff regarding the following assumptions, base data, and parameters used in the development of the financial management plan presented herein:

2.2.1 Growth

The only customer growth assumed in the analysis was the re-development of the Sonesta property with an assumed 165 multi-family dwelling units in FY 2015. No additional customer growth was assumed in any other year of the analysis.

2.2.2 Interest Earnings on Invested Funds

Interest earnings on invested funds, or interest income, was calculated annually based upon projected average fund balances and assumed annual interest rates of 0.50% in FY 2010, escalating by 0.25% each year through FY 2016 and held at 2.00% annually each year thereafter.

2.2.3 Projected Operating Expenditures

Annual expenditures projections are based upon the FY 2011 Budget adjusted based upon the cost escalation factors for the various types of operating and maintenance expenses were discussed with and reviewed by Village staff. The specific escalation factors assumed for all categories of expenses are presented on Schedule 1 of Appendix A. In addition, Village staff has identified additional annual system cleaning, maintenance, and other operating requirements above FY 2011 levels that are necessary to maintain the current level of service in the Village. The full annual operating expenditure requirements in each year of the analysis are presented on Schedule 5 of Appendix A.

2.2.4 Capital Projects Funding

The capital improvement program, through FY 2020, was provided by Village staff. In total, the cost of the capital improvement program from FY 2010 – FY 2020 is $1,886,400. A detailed list of the specific projects and costs by year can be seen on Schedule 3 of Appendix A.

2.2.5 Future Borrowing Assumptions

To the extent new debt was required in any year of the projection period, it was assumed to carry the following terms:

- Term: 20 Years
- Interest Rate: 4.25% in each year of the projection period

- Cost of Issuance: 2.00% of Par
- Debt Service Reserve: Equal to 1 year of annual debt service expense
- Payment Schedule: Interest-only in first year of issuance

2.2.6 Debt Service and Coverage

To the extent that stormwater fees are insufficient to pay the debt service on the Series 1999 Bonds in a fiscal year, the Village has covenanted to appropriate in its annual budget Non-Ad Valorem revenues lawfully available sufficient to pay the principal and interest due. As such, and given the Village Council's stated goal to establish a self-sufficient Utility, the financial management plan provides adequate annual net income (gross revenues minus operating expenses) to pay the annual debt service expense on the Series 1999 Bonds (and any future additional debt to the extent required).

2.2.7 Minimum Balance in Unrestricted Reserves

The financial management plan for the Utility reflects a target minimum balance of unrestricted operating reserves equal to 3-months of operating and maintenance expenses in each year of the projection period.

2.3 KEY ISSUES

2.3.1 Series 1999 Bonds and Potential Refinancing

Soon after establishing the Utility, the Village embarked upon significant stormwater capital improvements (totally $7.2 million) that were ultimately funded from the proceeds of a bond issue (Series 1999 Bonds). Initially, Ordinance 95-3 1) authorized the issuance of Revenue Bond Anticipation Notes Series 1995 (ultimately refinanced by the Series 1999 Bonds) for the funding of the improvements in Basins 1 – 8 intended to address flooding problems, and 2) identified the express commitment of the Village Council to pay the financing cost of the improvements from the proceeds of stormwater utility fees. Later, Ordinance 98-9 1) authorized the issuance of the Series 1999 Bonds, and 2) reiterated the Council's desire that the bonds be secured primarily by revenues from stormwater utility fees and secondarily by a covenant to budget and appropriate from legally available Non-Ad Valorem revenues of the Village. However, upon issuing the

Series 1999 Bonds, no adjustments were made to the stormwater utility fees to fully cover the annual debt service expense of the Series 1999 Bonds (initially $209,000, steadily increasing to the current scheduled payment amount of $588,000). As a result, a substantial portion of the debt service responsibility has been covered to date by the use of legally available Non-Ad Valorem revenues.

During the conduct of the Study, Village staff worked with the Village's Financial Advisor to evaluate the refinancing of the Series 1999 Bonds in order to take advantage of current low interest rates and extend the repayment schedule by 10 to 20 years[1]. From such an analysis it was concluded that the interest rate reduction anticipated from refinancing would offset the additional interest payments associated with the extension of the repayment schedule resulting in a present value savings to the Village. In addition, the refinancing would significantly lower the annual debt service expense to the Utility from almost $600,000 per year to about $300,000 per year. However, as extending the term of the debt would increase the total cost of the improvements and burden future generations with those additional costs, the Village Council has elected not to refinance the Series 1999 Bonds. As such, the analysis presented herein does not reflect a refinancing of the Series 1999 Bonds during the forecast period.

2.3.2 Account Billing Audit/Verification

As part of the Study, we requested and received two separate files from the MDWASD identifying all properties in the Village that are and are not presently being billed stormwater charges. We cross-referenced the folio id numbers of the unbilled properties with the Miami-Dade County Property Appraiser's database of properties for the Village to understand the types of properties not presently being billed stormwater charges and to assist staff in evaluating the potential additional revenue that would be realized if they were billed stormwater charges.

[1] The final payment for the Series 1999 Bonds is due in 2019; the final payment under the refinancing alternatives evaluated would be due in 2029 or 2039.

Village staff then conducted a detailed investigation of all Village properties to confirm the properties that have not previously been billed the stormwater fee and should be added to the stormwater fee billing roll. During the course of this investigation, several properties were also identified that appear to have been overbilled for some years. Burton & Associates performed a peer review of the entire staff investigation to ensure that the process and results of the staff analysis were reasonable and identify adjustments that we felt were necessary to achieve that objective.

Based upon our peer review of staff's investigation, we believe that the methodology used was sound and we concur with the estimate of additional revenue that will be realized by adding these properties to the billing roll. The net annualized additional revenue based upon current stormwater rates is estimated to be approximately $65,000. Based upon our review of the potential over collection of revenue from the commercial parcels identified by staff, we believe that 1) the total amount of over collection over the past four (4) years determined by staff of approximately $42,000 is correct, and 2) that it is not possible to determine which specific parcels should be adjusted without significant additional investigation. This is because these are sub-parcels on one master parcel and some sub-parcels have no stormwater fee while others have a stormwater fee. This configuration indicates that some sub-parcels must be master metered utility accounts and their stormwater fee includes the fee for the other sub-parcels on their master meter. However, it is not possible to tell these specific relationships from stormwater billing data provided by MDWASD. Therefore, additional research, including possible field investigations, is required to determine which of these sub-parcels are being overcharged and how much of the total overcharge is for each sub-parcel.

The net effect of the described under and over-billings is reflected in the analysis presented herein which reflects the full refunding of historical over-billings occurs before the end of FY 2011 and the Utility begins to charge unbilled properties (and correctly charge previously over-billed properties) on or before April 1, 2011.

2.4 RESULTS

At the onset of the analysis, it was quickly determined that the current stormwater charges are not providing sufficient revenue to meet the Utility's current cost requirements. In FY 2010, the Utility essentially exhausted its reserves and required approximately $200,000 from external sources to meet its cost requirements. The table below identifies the anticipated cash flow for FY 2011 prior to any rate increases or the impacts of billing adjustments to unbilled and/or overbilled accounts.

Description	FY 2011 Amount
Stormwater Revenues	**$485,932**
Less: O&M Expenses	**($79,000)**
Less: Series 1999 Debt Service	**($588,785)**
Less: Capital Improvement Requirements	**($130,000)**
Net Surplus/(Shortfall)	**($311,853)**

Moreover, in projecting the future cost requirements of the Utility, Village staff has identified additional annual system cleaning, maintenance, and capital expenditure requirements above FY 2011 levels that are necessary to maintain the current level of service in the Village.

Using our financial forecasting model, we determined the plan of annual stormwater rate increases identified in the table below that would provide adequate revenue to meet the Utility's operating and capital costs, debt service, and reserve requirements through FY 2020 assuming 1) the Series 1999 Bonds are not refinanced and 2) the Utility makes the aforementioned adjustments to its billing system for unbilled and overbilled accounts.

Rate Adjustment Plan – Assumes Series 1999 Bonds & Billing System Adjustments

Description	Current	FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20
Rate Increase	N/A	78.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-44.00%
Effective Date	N/A	4/1/11	10/1/11	10/1/12	10/1/13	10/1/14	10/1/15	10/1/16	10/1/17	10/1/18	10/1/19
MF Bill (per unit)	$5.00	$8.90	$8.90	$8.90	$8.90	$8.90	$8.90	$8.90	$8.90	$8.90	$4.98
Single-Family Bill	$7.50	$13.35	$13.35	$13.35	$13.35	$13.35	$13.35	$13.35	$13.35	$13.35	$7.48

As can be seen from the table above, the analysis indicates that there may be an opportunity to significantly reduce stormwater charges in FY 2020 after the Series 1999

Bonds have been repaid. However, it is important to note that this may be affected by a policy decision of the Council and additional unforeseen future cost requirements. Presently, the Utility's cost requirements do not include 1) a full allocation of the Public Works Department expenses associated with time spent on the stormwater system, or 2) a transfer to the General Fund for services provided to the stormwater system for such things as purchasing, procurement, budgeting, human resources, legal services, etc., or 3) costs of future additional regulatory requirements. As such, in the future the Council may wish and/or be required to include those cost requirements within the Stormwater Enterprise Fund as opposed to providing a rate reduction.

2.5 FY 2011 RATE SURVEY

Schedule 11 in Appendix A includes a survey of FY 2011 single-family residential monthly stormwater charges of other communities in the Village's geographic area. In most communities, a single-family residence is defined as one equivalent residential unit (ERU) for stormwater fee structures as it is the most common property type. However, in the Village a multi-family dwelling unit is defined as one ERU, as 80% of the residential dwelling units in the Village are multi-family dwelling units. As such, we have included the Village's current stormwater charges for single-family and multi-family dwelling units in the survey. As can be seen, the Village's charges per dwelling unit for both residential categories are within the range of charges of other communities in the area.

When reviewing these surveys it is important to note that there are several factors that influence the level of stormwater charges between communities. The level of service provided, topography (i.e. propensity to flooding due to elevation), and level of cost recovery desired by stormwater charges can vary significantly between communities. Given the Village's high level of service, topography, and desired level of cost recovery, the Village's charges are comparable to communities in its area and other communities we have worked with throughout the state with similar level of service and cost recovery objectives.

SECTION 3. CONCLUSIONS & RECOMMENDATIONS

This section of the report presents the conclusions and recommendations of the Study.

3.1 CONCLUSIONS

Based upon the analysis presented herein, we have reached the following conclusions and recommendations regarding the Village's stormwater system:

1. The Utility's current rates are insufficient to meet its current and projected costs.

2. Refinancing the Series 1999 Bonds could result in a significant reduction to the annual debt service requirements of the Utility and offset the impact of additional maintenance and capital expenditures during the projection period.

3. Based upon the Utility's current rates and Village staff's analysis, there is an estimated $65,000 of net additional annual revenue to the Utility if all properties within the Village are properly billed stormwater charges.

4. Given the level of service, topography, and desired level of cost recovery, the Village's charges for stormwater are comparable to neighboring communities as well as other systems in the state that have consistent level of service and cost recovery objectives.

3.2 RECOMMENDATIONS

1. The Village should adopt a 78% increase for FY 11 effective April 1, 2011 to meet the operating, debt service, capital and reserve requirements of the Utility. It is important to note that if implementation of the increase is delayed as late as 6/1/2011, due to notice and billing system adjustments required by MDWASD, the primary consequence would be reduced reserves for the Utility. However, the resulting level of reserves would still be above the recommended minimum amount through FY 2017.

Appendix A – Supporting Schedules

Schedule 1 contains the assumptions of the financial management plan

Schedule 2 identifies the end of FY 2009 fund balances that serve as the FY 2010 beginning balances of the analysis

Schedule 3 provides a listing of the multi-year capital improvement program that was utilized in the development of the financial management plan

Schedule 4 presents a detailed list of all projected cash inflows from FY 2010 - FY 2020

Schedule 5 presents a detailed list of all projected cash outflows from FY 2010 - FY 2020

Schedule 6 contains the FAMS-XL © Control Panel that presents a summary of the financial management plan, including annual fee increases, debt service coverage ratios, total capital spending levels, customer impacts, and fund balances

Schedule 7 presents the projected annual net income, debt service coverage, and cash flow results

Schedule 8 shows the projected funding sources for the capital improvement program

Schedule 9 contains the calculation of projected annual long-term borrowing (if required)

Schedule 10 presents a fund-level cash flow reconciliation, providing the beginning balance in each year, the amount utilized for project funding or payment of debt service, interest calculations, and the end of year fund balance

Schedule 11 presents the results of the FY 2011 Residential Stormwater Fee Survey conducted for the Utility's surrounding geographic area

Assumptions

Schedule 1

	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Annual Growth:											
Single-Family Residential Customer Growth											
# of ERU's (1)	1,295	1,295	1,295	1,295	1,295	1,295	1,295	1,295	1,295	1,295	1,295
Assumed Growth in ERU's		0	0	0	0	0	0	0	0	0	0
% Increase	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Multi-Family Residential Customer Growth											
# of ERU's (1)	5,242	5,242	5,242	5,242	5,242	5,407	5,407	5,407	5,407	5,407	5,407
Assumed Growth in ERU's		0	0	0	0	165	0	0	0	0	0
% Increase	N/A	0.00%	0.00%	0.00%	0.00%	3.15%	0.00%	0.00%	0.00%	0.00%	0.00%
Non-Residential Customer Growth											
# of ERU's (1)	1,011	1,011	1,011	1,011	1,011	1,011	1,011	1,011	1,011	1,011	1,011
Assumed Growth in ERU's		0	0	0	0	0	0	0	0	0	0
% Increase	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Capital Spending:											
Annual Capital Budget	$472,400	130,000	116,000	146,000	196,000	96,000	146,000	146,000	146,000	146,000	146,000
Annual Percent Executed	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Average Annual Interest Earnings Rate:											
Stormwater Enterprise Fund:	0.50%	0.75%	1.00%	1.25%	1.50%	1.75%	2.00%	2.00%	2.00%	2.00%	2.00%
Effective Date of Rate Increases	10/1/2009	4/1/2011	10/1/2011	10/1/2012	10/1/2013	10/1/2014	10/1/2015	10/1/2016	10/1/2017	10/1/2018	10/1/2019
Operating Expenses Cost Escalation:											
Contractual Services	N/A	N/A	100.00%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%	1.50%
Administrative Expenses	N/A	N/A	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Pump Station Wiers Cleaning/Maintenance (2)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Operating Budget Reserve:											
Target (Number of Months of Reserve)	3	3	3	3	3	3	3	3	3	3	3
Operating Budget Execution Percentage:											
Percent of Operating Budget Executed	90.0%	90.0%	90.0%	90.0%	90.0%	90.0%	90.0%	90.0%	90.0%	90.0%	90.0%

(1) ERUs as defined per Ordinance: Each Single-Family Residence = 1.5 ERU's; Each Multi-Family Dwelling Unit = 1 ERU; Every 1,083 SQ. FT of Impervious Area for Non-Residential Customers = 1 ERU
(2) $140,000 expense occuring every 3 years starting in FY 2012.

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Beginning Balances as of Sept. 30, 2009 Schedule 2

Source: FY 2009 CAFR (page 16)

FUND BALANCES		9/30/2009
Grant Proceeds	$	-
Renewal & Replacement	$	-
Revenue Fund	$	278,010
Restricted Reserves	$	-
Total Consolidated Fund Balance	**$**	**278,010**
CURRENT UNRESTRICTED ASSETS		
Cash and Cash Equivalents	$	109,608
Investments	$	-
Accounts Receivable, net of allowance for uncollectibles	$	94,342
Due from other funds	$	88,744
Intergovernmental receivables	$	-
Revenue Bond Covenant Account (O&M Reserve)	$	-
TOTAL CURRENT UNRESTRICTED ASSETS	$	292,694
Less: Accounts Payable and Accrued Expenses	$	(14,684)
Less: Notes Payable	$	-
Less: Revenue Bonds Payable (1)	$	-
Less: Accrued Interest Payable	$	-
UNRESTRICTED WORKING CAPITAL	$	278,010
Plus/(Less): Investments/Cash Not Readily Available	$	-
Plus/(Less): Other Liabilities Not Reflected in FY 2010 Exp.	$	-
Plus/(Less): Separate Capital Fund Balances	$	-
NET UNRESTRICTED WORKING CAPITAL AVAILABLE	**$**	**278,010**
RESTRICTED ASSETS		
Restricted Cash and Cash Equivalents: Customer Deposits	$	-
Restricted Investments: Debt Service Reserve Account	$	-
Unamortized Bond Issuance Costs	$	-
Investments/Cash Not Readily Available	$	-
TOTAL RESTRICTED ASSETS	$	-
Less: Liability Against Restricted Assets	$	-
Less: Funda Available for Debt Service	$	-
Less: Restricted Assets Available for Capital	$	-
Less: Customer Deposits	$	-
NET RESTRICTED BALANCE	**$**	**-**

(1) Not Included as Amount of $385,000 is the Principal Portion of Debt Service Paid/Budgeted in FY 10

Burton & Associates 3/24/2011

Capital Improvement Program

Schedule 3

Project Description	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Unspecified Stormwater Projects	$ -	-	-	30,000	30,000	30,000	30,000	30,000	30,000	30,000	30,000
Master Plan Update	$ -	130,000	-	-	-	-	-	-	-	-	-
Ocean Lane Pump Station Upgrade	$ 192,500	-	-	-	-	-	-	-	-	-	-
Stormwater Well Upgrade	$ 279,900	-	-	-	-	-	-	-	-	-	-
Pump Station Replacement	$ -	-	-	-	50,000	50,000	100,000	100,000	100,000	100,000	100,000
Catch Basin Replacement	$ -	-	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000	16,000
3 Additional Wells	$ -	-	100,000	100,000	100,000	-	-	-	-	-	-
Total CIP Budget	**$ 472,400**	**130,000**	**116,000**	**146,000**	**196,000**	**96,000**	**146,000**	**146,000**	**146,000**	**146,000**	**146,000**
Annual CIP Execution Percentage	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Final CIP Funding Level	**$ 472,400**	**130,000**	**116,000**	**146,000**	**196,000**	**96,000**	**146,000**	**146,000**	**146,000**	**146,000**	**146,000**

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Projection of Cash Inflows

Schedule 4

		FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
1	**Rate Revenue Growth Assumptions**											
2	Growth in Single-Family ERUs	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
3	Growth in Multi-Family ERUs	N/A	0.00%	0.00%	0.00%	0.00%	3.15%	0.00%	0.00%	0.00%	0.00%	0.00%
4	Growth in Non-Residential ERUs	N/A	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
5	**Assumed Rate Revenue Increases**	**N/A**	**78.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**0.00%**	**-44.00%**
6	**Monthly Stormwater Rate Revenue (1)**											
7	Single-Family Revenue	$ 112,007	183,079	269,161	269,161	269,161	269,161	269,161	269,161	269,161	269,161	150,730
8	Multi-Family Revenue	$ 313,826	441,099	570,242	570,242	570,242	588,192	588,192	588,192	588,192	588,192	329,388
9	Non-Residential Revenue	$ 60,098	97,236	141,869	141,869	141,869	141,869	141,869	141,869	141,869	141,869	79,446
10	**Total Stormwater Revenue**	**$ 485,932**	**721,414**	**981,272**	**981,272**	**981,272**	**999,222**	**999,222**	**999,222**	**999,222**	**999,222**	**559,564**
11	**Other Sources of Funds**											
12	Transfer From Sewer to Stormwater Fund	$ -	300,000	-	-	-	-	-	-	-	-	-
13	Transfer From General Fund/Other Sources	$ 200,000	-	-	-	-	-	-	-	-	-	-
14	**Total Other Sources of Funds**	**$ 200,000**	**300,000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
15	**Interest Earnings**											
16	Interest Earned on Unrestricted Funds	$ 717	778	1,744	2,127	2,747	2,786	3,192	3,792	2,919	1,836	3,704
17	Interest Earned on Restricted Funds (Debt Service Reserves)	$ -	-	-	-	-	-	-	-	-	-	-
18	**Total Interest Earnings**	**$ 717**	**778**	**1,744**	**2,127**	**2,747**	**2,786**	**3,192**	**3,792**	**2,919**	**1,836**	**3,704**
19	**Total Revenue**	**$ 686,649**	**1,022,192**	**983,016**	**983,399**	**984,018**	**1,002,007**	**1,002,414**	**1,003,014**	**1,002,141**	**1,001,058**	**563,268**

(1) Revenue is net of WASD billing charge of $0.87 / bill & reflects estimated additional revenue of $65,000 resulting from stormwater account audit/verification

Burton & Associates 3/24/2011

Schedule 5 – Cash Outflows

Projection of Cash Outflows

Schedule 5

		FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
1	**Operating Expenses**											
2	Contractual Services	$ 75,000	75,000	150,000	152,250	154,534	156,852	159,205	161,593	164,016	166,477	168,974
3	Administrative Expenses	$ 4,000	4,000	10,000	10,300	10,609	10,927	11,255	11,593	11,941	12,299	12,668
4	CRS Coordination Cost Contribution	$ -	-	20,000	20,600	21,218	21,855	22,510	23,185	23,881	24,597	25,335
5	Pump Station Wiers Cleaning/Maintenance	$ -	-	140,000	-	-	140,000	-	-	140,000	-	-
6	Public Works Cost Allocation	$ -	-	40,000	41,600	43,264	44,995	46,794	48,666	50,613	52,637	54,743
7	**O&M Expenses**	**$ 79,000**	**79,000**	**360,000**	**224,750**	**229,625**	**374,628**	**239,764**	**245,037**	**390,451**	**256,010**	**261,720**
8	Operating Expense Execution Percentage	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%	90%
9	**Total O&M Expenses**	**$ 71,100**	**71,100**	**324,000**	**202,275**	**206,662**	**337,165**	**215,788**	**220,533**	**351,406**	**230,409**	**235,548**
10	**Transfers**											
11	Cash Refund of Prior Overbillings	$ -	42,000	-	-	-	-	-	-	-	-	-
12	Capital Improvements Transfer	$ 300,256	130,000	116,000	146,000	196,000	96,000	146,000	146,000	146,000	146,000	146,000
13	**Total Transfers**	**$ 300,256**	**172,000**	**116,000**	**146,000**	**196,000**	**96,000**	**146,000**	**146,000**	**146,000**	**146,000**	**146,000**
14	**Debt Service Expenses**											
15	Series 1999 Bonds Debt Service	$ 584,686	588,785	592,059	594,506	596,128	601,923	606,686	610,417	618,115	619,574	-
16	Cumulative New Debt Service - Future Revenue Bonds	$ -	-	-	-	-	-	-	-	-	-	-
17	Interest On Interim Financing	$ -	-	-	-	-	-	-	-	-	-	-
18	**Total Debt Service Payments**	**$ 584,686**	**588,785**	**592,059**	**594,506**	**596,128**	**601,923**	**606,686**	**610,417**	**618,115**	**619,574**	**-**
19	**TOTAL OPERATING EXPENDITURES**	**$ 956,042**	**831,885**	**1,032,059**	**942,781**	**998,790**	**1,035,088**	**968,474**	**976,950**	**1,115,520**	**995,983**	**381,548**

Burton & Associates 3/24/2011

Schedule 6 – FAMS-XL © Control Panel

FAMS - Control Panel Schedule 6

FINANCIAL ANALYSIS AND MANAGEMENT SYSTEM (FAMS) SUMMARY

SAVE CALC

VILLAGE OF KEY BISCAYNE, FL

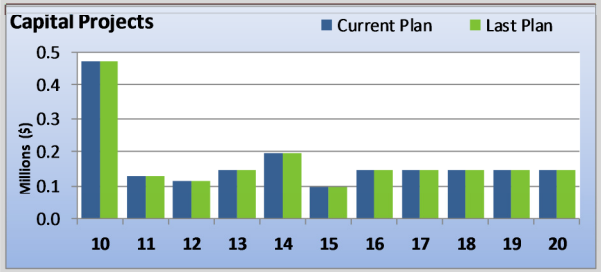
Check $ -

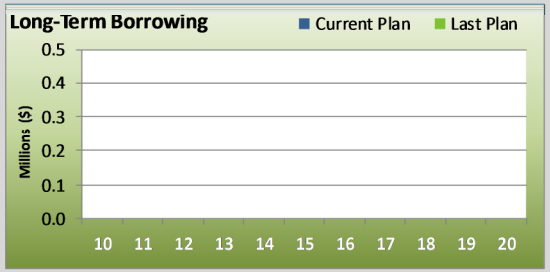
	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Override ►		78.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-44.00%
Stormwater Rate Increases	0.00%	78.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-44.00%
Last Plan	0.00%	78.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-44.00%
Rate Covenant 1.00	1.05	1.62	1.11	1.31	1.30	1.10	1.30	1.28	1.05	1.24	
Last Plan	1.05	1.62	1.11	1.31	1.30	1.10	1.30	1.28	1.05	1.24	
SRF Coverage 1.00											
CIP Execution Percentage ►	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Single-Family	$7.50	13.35	13.35	13.35	13.35	13.35	13.35	13.35	13.35	13.35	7.48
Multi-Family	$5.00	8.90	8.90	8.90	8.90	8.90	8.90	8.90	8.90	8.90	4.98
Non-Residential	$25.00	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50	24.92
Single-Family	$7.50	13.35	13.35	13.35	13.35	13.35	13.35	13.35	13.35	13.35	7.48
Multi-Family	$5.00	8.90	8.90	8.90	8.90	8.90	8.90	8.90	8.90	8.90	4.98
Non-Residential	$25.00	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50	44.50	24.92
Transfer from General Fund	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Transfer to General Fund	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

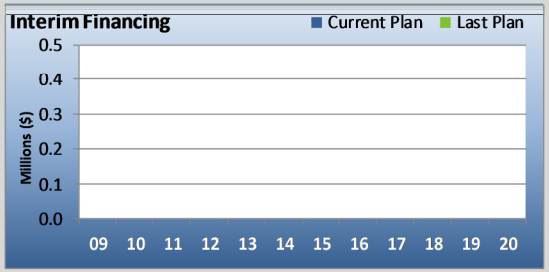
Cumulative Change	FY 2015	FY 2020
	78.0%	-0.3%
	78.0%	-0.3%

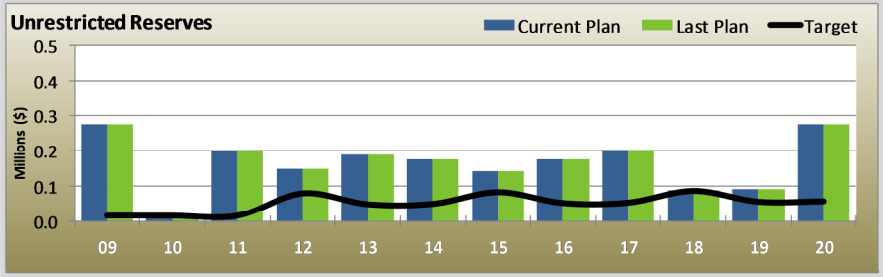
O&M FY10	90%
O&M FY11 ►	90%
PW Costs	$ 40,000
GF Payback	0
Refinancing?	NO
Term (yrs)	20
Tfr From Swr	$ 300,000
Add. Rev	$ 65,344
PW Alloc	FY 12
Refunding?	$ 42,000

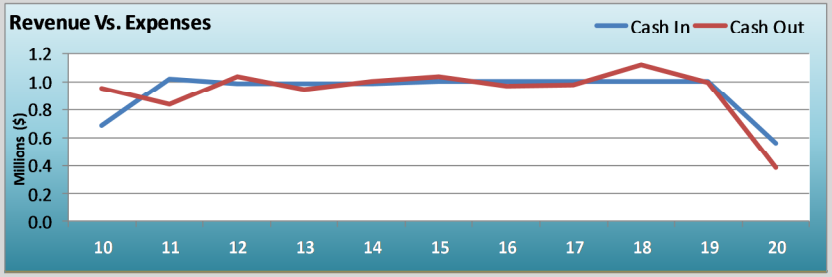
Reserve Target	
3.00	Mos. O&M











Burton & Associates 3/24/2011

Forecast of Net Revenues and Debt Service Coverage

Schedule 7

		FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
1	**Stormwater Rate Revenue**											
2	**Single-Family Residential**											
3	Base Rate Revenue	$ 112,007	112,007	183,079	269,161	269,161	269,161	269,161	269,161	269,161	269,161	269,161
4	Additional Revenue From Partial PY Rate Increase	$ -	-	51,188	-	-	-	-	-	-	-	-
5	Additional Rate Revenue From Growth	$ -	-	-	-	-	-	-	-	-	-	-
6	Other Adjustments (Net Impact of Billing Audit/Verification)	$ -	19,603	34,894	-	-	-	-	-	-	-	-
7	Revenue Subtotal	$ 112,007	131,611	269,161	269,161	269,161	269,161	269,161	269,161	269,161	269,161	269,161
8	Proposed Rate Increase	0.00%	78.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-44.00%
9	Additional Rate Revenue From Rate Increase	$ -	51,469	-	-	-	-	-	-	-	-	(118,431)
10	**Total Single-Family Residential Revenue**	$ 112,007	183,079	269,161	269,161	269,161	269,161	269,161	269,161	269,161	269,161	150,730
11	**Multi-Family Residential**											
12	Base Rate Revenue	$ 313,826	313,826	441,099	570,242	570,242	570,242	588,192	588,192	588,192	588,192	588,192
13	Additional Revenue From Partial PY Rate Increase	$ -	-	123,328	-	-	-	-	-	-	-	-
14	Additional Rate Revenue From Growth	$ -	-	-	-	-	17,950	-	-	-	-	-
15	Other Adjustments (Net Impact of Billing Audit/Verification)	$ -	3,267	5,816	-	-	-	-	-	-	-	-
16	Revenue Subtotal	$ 313,826	317,094	570,242	570,242	570,242	588,192	588,192	588,192	588,192	588,192	588,192
17	Proposed Rate Increase	0.00%	78.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-44.00%
18	Additional Rate Revenue From Rate Increase	$ -	124,005	-	-	-	-	-	-	-	-	(258,805)
19	**Total Multi-Family Residential Revenue**	$ 313,826	441,099	570,242	570,242	570,242	588,192	588,192	588,192	588,192	588,192	329,388
20	**Non-Residential**											
21	Base Rate Revenue	$ 60,098	60,098	97,236	141,869	141,869	141,869	141,869	141,869	141,869	141,869	141,869
22	Additional Revenue From Partial PY Rate Increase	$ -	-	27,186	-	-	-	-	-	-	-	-
23	Additional Rate Revenue From Growth	$ -	-	-	-	-	-	-	-	-	-	-
24	Other Adjustments (Net Impact of Billing Audit/Verification)	$ -	9,802	17,447	-	-	-	-	-	-	-	-
25	Revenue Subtotal	$ 60,098	69,900	141,869	141,869	141,869	141,869	141,869	141,869	141,869	141,869	141,869
26	Proposed Rate Increase	0.00%	78.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-44.00%
27	Additional Rate Revenue From Rate Increase	$ -	27,336	-	-	-	-	-	-	-	-	(62,422)
28	**Total Non-Residential Revenue**	$ 60,098	97,236	141,869	141,869	141,869	141,869	141,869	141,869	141,869	141,869	79,446
29	**Single-Family, Multi-Family & Non-Residential Revenue**											
30	Base Rate Revenue	$ 485,932	485,932	721,414	981,272	981,272	981,272	999,222	999,222	999,222	999,222	999,222
31	Additional Revenue From Partial PY Rate Increase	$ -	-	201,701	-	-	-	-	-	-	-	-
32	Additional Rate Revenue From Growth	$ -	-	-	-	-	17,950	-	-	-	-	-
33	Other Adjustments (Net Impact of Billing Audit/Verification)	$ -	32,672	58,156	-	-	-	-	-	-	-	-
34	Revenue Subtotal	**$ 485,932**	**518,604**	**981,272**	**981,272**	**981,272**	**999,222**	**999,222**	**999,222**	**999,222**	**999,222**	**999,222**
35	Proposed Rate Increase	0.00%	78.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	-44.00%
36	Additional Rate Revenue From Rate Increase	$ -	202,810	-	-	-	-	-	-	-	-	(439,658)
37	**Total Stormwater Rate Revenue**	**$ 485,932**	**721,414**	**981,272**	**981,272**	**981,272**	**999,222**	**999,222**	**999,222**	**999,222**	**999,222**	**559,564**
38	**Less: Operating Expenses**	**$ (71,100)**	**(71,100)**	**(324,000)**	**(202,275)**	**(206,662)**	**(337,165)**	**(215,788)**	**(220,533)**	**(351,406)**	**(230,409)**	**(235,548)**
39	**Equals: Net Operating Income**	**$ 414,832**	**650,314**	**657,272**	**778,997**	**774,609**	**662,056**	**783,434**	**778,688**	**647,816**	**768,812**	**324,016**

Forecast of Net Revenues and Debt Service Coverage

Schedule 7

			FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
40	**Plus: Non-Operating Income/(Expense)**												
41	Interest Earned On Fund Balances		$ 717	778	1,744	2,127	2,747	2,786	3,192	3,792	2,919	1,836	3,704
42	Transfer In - General Fund		$ 200,000	-	-	-	-	-	-	-	-	-	-
43	Transfer In - Sewer Fund		$ -	300,000	-	-	-	-	-	-	-	-	-
44	**Equals: Net Income Available For Debt Service**		**$ 615,549**	**951,092**	**659,016**	**781,124**	**777,356**	**664,842**	**786,626**	**782,481**	**650,735**	**770,649**	**327,720**
45	**Debt Service Coverage Test**												
46	Existing Debt Service		$ 584,686	588,785	592,059	594,506	596,128	601,923	606,686	610,417	618,115	619,574	-
47	Cumulative New Debt Service		$ -	-	-	-	-	-	-	-	-	-	-
48	**Total Conventional Debt Service**	**Min. Ratio**	$ 584,686	588,785	592,059	594,506	596,128	601,923	606,686	610,417	618,115	619,574	-
49	Calculated Debt Service Coverage	**1.00**	1.05	1.62	1.11	1.31	1.30	1.10	1.30	1.28	1.05	1.24	N/A
50	**Cash Flow Test**												
51	Net Income Available For Debt Service		$ 615,549	951,092	659,016	781,124	777,356	664,842	786,626	782,481	650,735	770,649	327,720
52	Less: Refunding of Prior Overbillings		$ -	(42,000)	-	-	-	-	-	-	-	-	-
53	Less: Debt Service Expenses		$(584,686)	(588,785)	(592,059)	(594,506)	(596,128)	(601,923)	(606,686)	(610,417)	(618,115)	(619,574)	-
54	Less: Capital Improvement/R&R Transfer		$(300,256)	(130,000)	(116,000)	(146,000)	(196,000)	(96,000)	(146,000)	(146,000)	(146,000)	(146,000)	(146,000)
55	**Net Cash Flow**		**$(269,393)**	**190,307**	**(49,043)**	**40,618**	**(14,772)**	**(33,081)**	**33,940**	**26,064**	**(113,379)**	**5,075**	**181,720**
56	**Unrestricted Working Capital Reserve Fund**												
57	Balance At Beginning Of Fiscal Year		$ 278,010	8,617	198,924	149,881	190,499	175,728	142,647	176,587	202,651	89,272	94,347
58	Cash Flow Surplus/(Deficit)		$(269,393)	190,307	(49,043)	40,618	(14,772)	(33,081)	33,940	26,064	(113,379)	5,075	181,720
59	Balance At End Of Fiscal Year		$ 8,617	198,924	149,881	190,499	175,728	142,647	176,587	202,651	89,272	94,347	276,068
60	Minimum Working Capital Reserve Target	**3 Mo. O&M**	$ 17,775	17,775	81,000	50,569	51,666	84,291	53,947	55,133	87,851	57,602	58,887
61	**Excess/(Deficiency) of Fund Balance**		**$ (9,158)**	**181,149**	**68,881**	**139,931**	**124,062**	**58,356**	**122,640**	**147,518**	**1,421**	**36,745**	**217,181**

Burton & Associates 3/24/2011

Capital Project Funding Summary

Schedule 8

FINAL CAPITAL PROJECTS FUNDING SOURCES	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
GRANT PROCEEDS	$172,144	-	-	-	-	-	-	-	-	-	-
RENEWAL & REPLACEMENT	$300,256	130,000	116,000	146,000	196,000	96,000	146,000	146,000	146,000	146,000	146,000
REVENUE FUND	$ -	-	-	-	-	-	-	-	-	-	-
DEBT PROCEEDS	$ -	-	-	-	-	-	-	-	-	-	-
TOTAL PROJECTS PAID	**$472,400**	**130,000**	**116,000**	**146,000**	**196,000**	**96,000**	**146,000**	**146,000**	**146,000**	**146,000**	**146,000**
TOTAL CIP INPUT	**$472,400**	**130,000**	**116,000**	**146,000**	**196,000**	**96,000**	**146,000**	**146,000**	**146,000**	**146,000**	**146,000**
VARIANCE	$ -	-	-	-	-	-	-	-	-	-	-

Burton & Associates 3/24/2011

Schedule 9 – Projection of Long-Term Borrowing

Long-Term Borrowing Projections

Schedule 9

			FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
Term (Years)			20	20	20	20	20	20	20	20	20	20	20
Interest Rate			4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%	4.25%
Sources of Funds													
Par Amount			$0	-	-	-	-	-	-	-	-	-	-
Uses of Funds													
Proceeds			$0	-	-	-	-	-	-	-	-	-	-
Cost of Issuance	2.00%	of Par	$0	-	-	-	-	-	-	-	-	-	-
Underwriter's Discount	$0.00	per $1,000	$0	-	-	-	-	-	-	-	-	-	-
Bond Insurance	0	times total Debt Service	$0	-	-	-	-	-	-	-	-	-	-
Capitalized Interest	0	Years Interest	$0	-	-	-	-	-	-	-	-	-	-
Debt Service Surety	0%	of Debt Service	$0	-	-	-	-	-	-	-	-	-	-
Debt Service Reserve	1	Years of Debt Service	$0	-	-	-	-	-	-	-	-	-	-
Other Costs			$0	-	-	-	-	-	-	-	-	-	-
Total Uses			$0	-	-	-	-	-	-	-	-	-	-
1 Year Interest			$0	-	-	-	-	-	-	-	-	-	-
Annual Debt Service			**$0**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total Debt Service			$0	-	-	-	-	-	-	-	-	-	-

Interim Financing Section		FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
	Balance as of 9/30/2009	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%	3.00%
Utilize Interim Financing?		N	N	N	N	N	N	N	N	N	N	N
Interim Financing Proceeds	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Interest Payments		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
EOY Balance	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
PROCEEDS TO BE BOND-FUNDED		$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Cumulative New Annual Debt Service (1)		**$0**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

(1) New borrowings reflect interest only payment in year of issuance, and levelized debt service thereafter

Burton & Associates 3/24/2011

Funding Summary by Fund

Schedule 10

		FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
GRANT PROCEEDS												
BALANCE AT BEGINNING OF FISCAL YEAR	$	-	-	-	-	-	-	-	-	-	-	-
ADDITIONAL ANNUAL REVENUES	$	172,144	-	-	-	-	-	-	-	-	-	-
LESS: PAYMENT OF DEBT SERVICE	$	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	$	172,144	-	-	-	-	-	-	-	-	-	-
LESS: RESTRICTED FUNDS	$	-	-	-	-	-	-	-	-	-	-	-
TOTAL AMOUNT AVAILABLE FOR PROJECTS	$	172,144	-	-	-	-	-	-	-	-	-	-
AMOUNT PAID FOR PROJECTS	$	(172,144)	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	$	-	-	-	-	-	-	-	-	-	-	-
ADD BACK: RESTRICTED FUNDS	$	-	-	-	-	-	-	-	-	-	-	-
PLUS: INTEREST EARNINGS	$	-	-	-	-	-	-	-	-	-	-	-
LESS: INTEREST ALLOCATED TO CASH FLOW	$	-	-	-	-	-	-	-	-	-	-	-
BALANCE AT END OF FISCAL YEAR	$	-	-	-	-	-	-	-	-	-	-	-
RENEWAL & REPLACEMENT												
BALANCE AT BEGINNING OF FISCAL YEAR	$	-	-	-	-	-	-	-	-	-	-	-
ADDITIONAL ANNUAL REVENUES	$	300,256	130,000	116,000	146,000	196,000	96,000	146,000	146,000	146,000	146,000	146,000
LESS: PAYMENT OF DEBT SERVICE	$	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	$	300,256	130,000	116,000	146,000	196,000	96,000	146,000	146,000	146,000	146,000	146,000
LESS: RESTRICTED FUNDS	$	-	-	-	-	-	-	-	-	-	-	-
TOTAL AMOUNT AVAILABLE FOR PROJECTS	$	300,256	130,000	116,000	146,000	196,000	96,000	146,000	146,000	146,000	146,000	146,000
AMOUNT PAID FOR PROJECTS	$	(300,256)	(130,000)	(116,000)	(146,000)	(196,000)	(96,000)	(146,000)	(146,000)	(146,000)	(146,000)	(146,000)
SUBTOTAL	$	-	-	-	-	-	-	-	-	-	-	-
ADD BACK: RESTRICTED FUNDS	$	-	-	-	-	-	-	-	-	-	-	-
PLUS: INTEREST EARNINGS	$	-	-	-	-	-	-	-	-	-	-	-
LESS: INTEREST ALLOCATED TO CASH FLOW	$	-	-	-	-	-	-	-	-	-	-	-
BALANCE AT END OF FISCAL YEAR	$	-	-	-	-	-	-	-	-	-	-	-

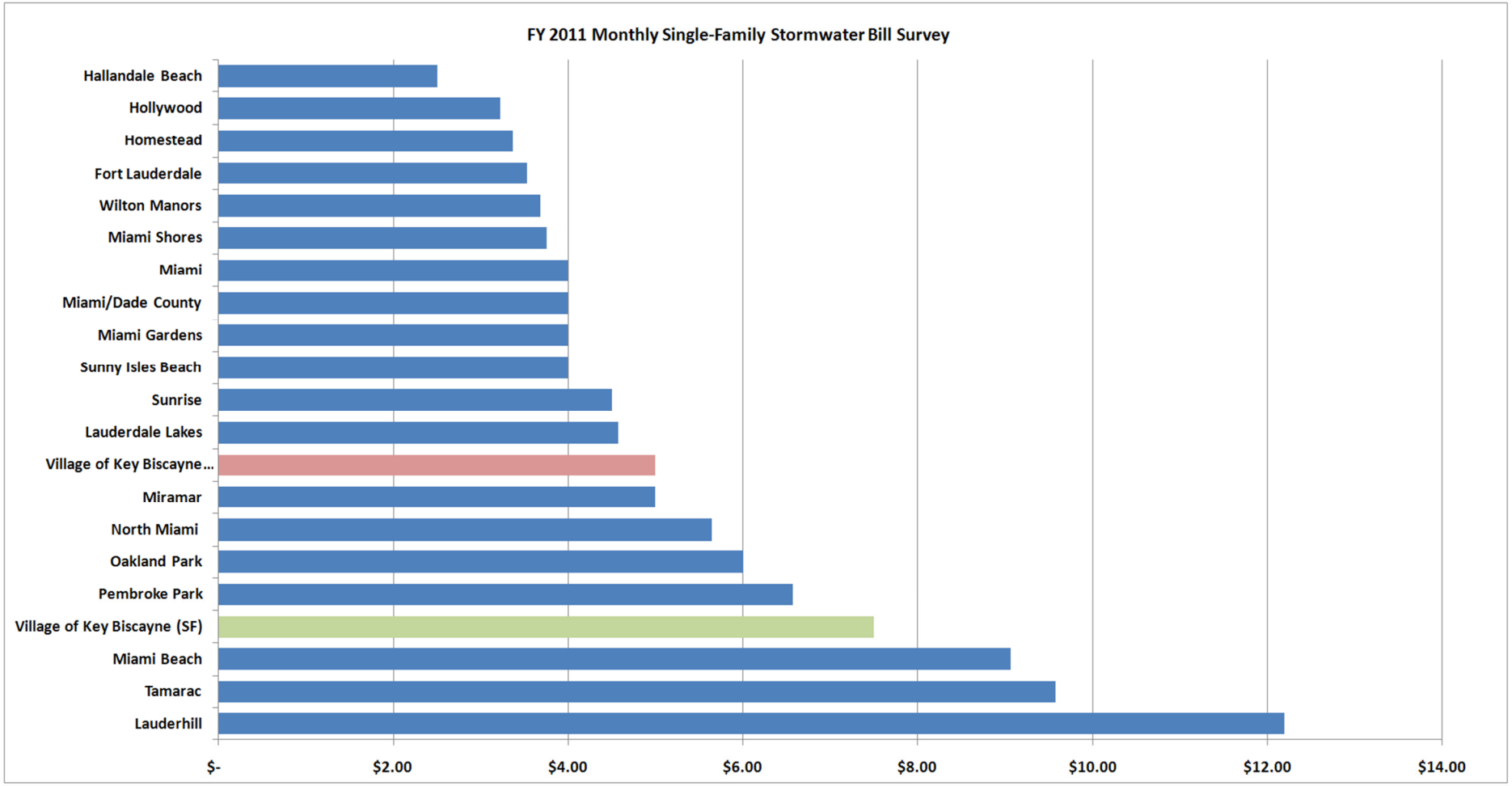
Funding Summary by Fund

Schedule 10

		FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020
REVENUE FUND												
BALANCE AT BEGINNING OF FISCAL YEAR	$	278,010	8,617	198,924	149,881	190,499	175,728	142,647	176,587	202,651	89,272	94,347
ADDITIONAL ANNUAL REVENUES	$	(269,393)	190,307	(49,043)	40,618	(14,772)	(33,081)	33,940	26,064	(113,379)	5,075	181,720
LESS: PAYMENT OF DEBT SERVICE	$	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	$	8,617	198,924	149,881	190,499	175,728	142,647	176,587	202,651	89,272	94,347	276,068
LESS: RESTRICTED FUNDS	$	(8,617)	(17,775)	(81,000)	(50,569)	(51,666)	(84,291)	(53,947)	(55,133)	(87,851)	(57,602)	(58,887)
TOTAL AMOUNT AVAILABLE FOR PROJECTS	$	-	181,149	68,881	139,931	124,062	58,356	122,640	147,518	1,421	36,745	217,181
AMOUNT PAID FOR PROJECTS	$	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	$	-	181,149	68,881	139,931	124,062	58,356	122,640	147,518	1,421	36,745	217,181
ADD BACK: RESTRICTED FUNDS	$	8,617	17,775	81,000	50,569	51,666	84,291	53,947	55,133	87,851	57,602	58,887
PLUS: INTEREST EARNINGS	$	717	778	1,744	2,127	2,747	2,786	3,192	3,792	2,919	1,836	3,704
LESS: INTEREST ALLOCATED TO CASH FLOW	$	(717)	(778)	(1,744)	(2,127)	(2,747)	(2,786)	(3,192)	(3,792)	(2,919)	(1,836)	(3,704)
BALANCE AT END OF FISCAL YEAR	$	8,617	198,924	149,881	190,499	175,728	142,647	176,587	202,651	89,272	94,347	276,068
RESTRICTED RESERVES												
BALANCE AT BEGINNING OF FISCAL YEAR	$	-	-	-	-	-	-	-	-	-	-	-
ADDITIONAL FUNDS:	$	-	-	-	-	-	-	-	-	-	-	-
DEBT SERVICE RESERVE ON NEW DEBT	$	-	-	-	-	-	-	-	-	-	-	-
OTHER ADDITIONAL FUNDS	$	-	-	-	-	-	-	-	-	-	-	-
SUBTOTAL	$	-	-	-	-	-	-	-	-	-	-	-
PLUS: INTEREST EARNINGS	$	-	-	-	-	-	-	-	-	-	-	-
LESS: INTEREST ALLOCATED TO CASH FLOW	$	-	-	-	-	-	-	-	-	-	-	-
BALANCE AT END OF FISCAL YEAR	$	-	-	-	-	-	-	-	-	-	-	-

Burton & Associates 3/24/2011

Schedule 11 – Residential Stormwater Fee Survey

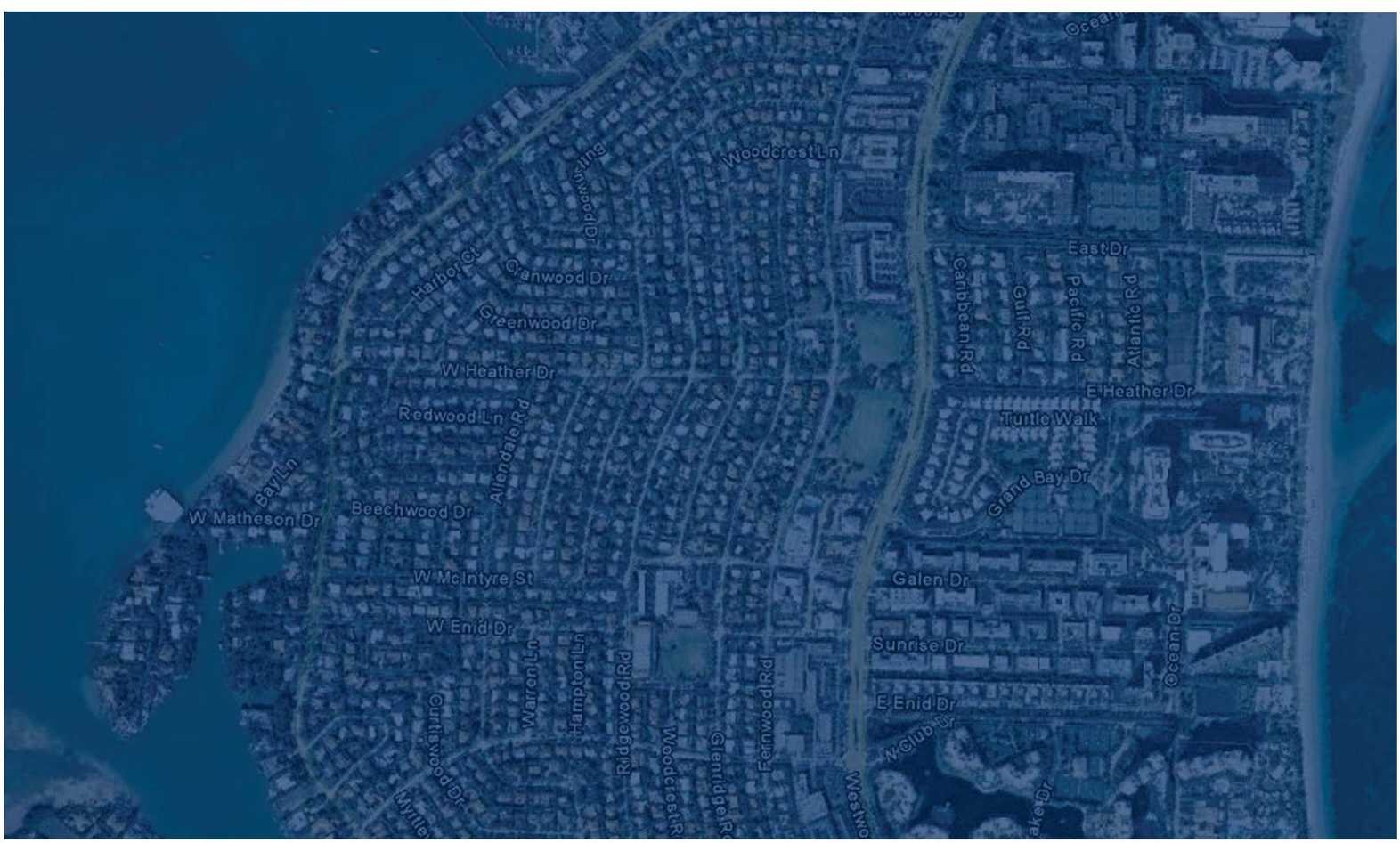


	Lauderhill	Tamarac	Miami Beach	Village of Key Biscayne (SF)	Pembroke Park	Oakland Park	North Miami	Miramar	Village of Key Biscayne (MF)	Lauderdale Lakes	Sunrise	Sunny Isles Beach	Miami Gardens	Miami/Dade County	Miami	Miami Shores	Wilton Manors	Fort Lauderdale	Homestead	Hollywood	Hallandale Beach
Stormwater Fee	$ 12.19	$ 9.58	$ 9.06	$ 7.50	$ 6.57	$ 6.00	$ 5.64	$ 5.00	$ 5.00	$ 4.57	$ 4.50	$ 4.00	$ 4.00	$ 4.00	$ 4.00	$ 3.75	$ 3.68	$ 3.53	$ 3.37	$ 3.22	$ 2.50

Within the Village of Key Biscayne, 80% of Dwelling Units are Multi-Family (MF); 20% are Single-Family (SF)

APPENDIX M

Model Results Tabulation

TETRA TECH

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