Exhibit D-1 Capital Project Descriptions

Project Number	Project Name	Project Description	Project Impact/Need
South District WWTP, 8950 SW 232 St., Goulds, FL 33170			
1.1	Headworks	Routine repairs on existing bar screen mechanisms in headwork structure prior to aerated grit chambers	Failure of bar screen mechanism could result in the blinding of the bar screen and cause an overflow of raw sewage from the plant headworks structure towards nearby surface waters, especially during peak wet weather.
1.2	Oxygen Production	Replacement and retrofit of existing air compression units .	Replacements and modifications are needed to meet WWTPs 125 ton oxygen demand. Loss of pure oxygen production will affect performance of secondary treatment process and result in effluent limit violations.
1.3	Oxygenation Trains	Aeration mixers retrofit, structural rehabilitation, and surface coating application	Loss of aeration tank capacity will result in effluent limit violations.
1.4	Chlorine Building	Replacement of motor control centers, relocation of electrical panels and roof repairs of old chlorine building where flushing water pumps are to remain.	Roof leaks or failure of MCC and electrical panel could result in loss of plant flushing water which in used for spray systems and odor control.
1.5	Effluent Pump Station	Upgrade of existing obsolete pump control systems, upgrade pumps drives and motors and structural rehabilitation of pump station wet well chambers 2-4.	Loss of pumping capacity or wet well function will result in unpermitted effluent discharge into the surrounding surface waters.
1.6	Gravity Sludge Thickeners	Replacement of thickened sludge pumps, and electrical systems in concentrator pump station. Rehabilitation of concentrator collector mechanisms and structural rehabilitation and coating of concentrators.	Failure of sludge thickening will result in a biological overloading of the secondary treatment process and effluent limit violations.
1.7	Digesters and Control Buildings	Rehabilitation or replacement of digester roofs; digester tank cleaning, structural rehabilitation and coating; sludge mixers improvement	Loss of digestion capacity will result in a decline in biogas/methane production for power generation and unstabilized sludge that will require landfill disposal.
1.8	Dewatering Facility	Replace existing Interim dewatering building with a new permanent dewatering facility, to include centrifuges, controls, polymer system, structural, mechanical and electrical systems.	Failure of sludge dewatering would result in solids accumulation in the secondary treatment process and effluent limit violations.
1.9	FOG Removal Facility	Separation operations improvements to recently constructed FOG removal facility to aid in conveyance of oils and floating grease to beneficial use option and removal of excess grit and settled solids.	Current FOG separation tank is not capable of adequately handing solids load, resulting in excess odors and unanticipated manual labor to remove large amounts of grit, settled soils and hardened grease.
1.10	Odor Control	Upgrade odor control facilities	Complaints of nuisance odors by nearby residents could result from a lack of properly functioning odor control systems.
1.11	General Electrical	Rehabilitation and replacement of electrical controls and wiring as needed.	Loss of electrical controls or wiring could result in plant shutdowns, wastewater overflows and effluent violations.
1.12	Chlorine Contact Chamber Structural	Structural rehabilitation and coating of chlorine contact chambers 1-4	Structural failure of a chlorine contact chamber would lead to a lack of disinfection contact time, an effluent violation. A hydraulic overload could also occur from multiple chambers being out of service for corrective maintenance, resulting in an effluent spill to nearby surface waters.

Exhibit D-1 Capital Project Descriptions

Project Number	Project Name	Project Description	Project Impact/Need
Central District WWTP, 3989 Rickenbacker Causeway, Miami, FL 33149			
2.1	Electrical Improvements	Rehabilitation and replacement of electrical controls and wiring as needed	Loss of electrical controls or wiring could result in plant shutdowns, wastewater overflows and effluent violations.
2.2	Building improvements	Repairs to maintenance, operations control and administration buildings to include refurbishing of roofs and staff facilities	These improvements are needed to provide staff with adequate and safe facilities to perform their jobs.
2.3	Headworks Plant 1	Headworks retrofit to include addition of influent screens and an electrical room with replacement of electrical systems	Failure of headwork electrical system will result in grit accumulation in secondary treatment process leading to effluent limit violations. Lack of headworks screening results in accumulation of rags and plastics in plant processes, leading to pump, mixer and clarifier collection mechanism failure; and effluent limit violations.
2.4	Headworks Plant 2	Headworks retrofit to include addition of influent screens and an electrical room with replacement of electrical systems	Failure of headwork electrical system will result in grit accumulation in secondary treatment process leading to effluent limit violations. Lack of headworks screening results in accumulation of rags and plastics in plant processes, leading to pump, mixer and clarifier collection mechanism failure; and effluent limit violations.
2.5	Oxygenation Trains Plant 1	Aeration mixers retrofit, structural rehabilitation, and surface coating application	Loss of oxygenation tank capacity will result in effluent limit violations.
2.6	Oxygenation Trains Plant 2	Aeration mixers retrofit, structural rehabilitation, and surface coating application	Loss of oxygenation tank capacity will result in effluent limit violations.
2.7	Secondary Clarifiers Plant 1	Structural rehabilitation and replacement of sludge collection mechanisms	Loss of sludge settling capacity will result in effluent limit violations.
2.8	Secondary Clarifiers Plant 2	Structural rehabilitation and replacement of sludge collection mechanisms	Loss of sludge settling capacity will result in effluent limit violations.
2.9	RS Pump Stations Plant 1	replacement of return sludge pump, piping, motor control centers and structural repairs to pump stations	Loss of return sludge pumping capacity will result in a failure of the aeration process and effluent limit violations.
2.10	RS Pump Stations Plant 2	replacement of return sludge pump, piping, motor control centers and structural repairs to pump stations	Loss of return sludge pumping capacity will result in a failure of the aeration process and effluent limit violations.
2.11	Effluent Pump Station	Pump replacement in effluent pump station	Loss of sufficient pumping capacity will result in unpermitted effluent discharge into the surrounding surface waters.
2.12	Sludge Thickeners Plant 1	Replacement of thickened sludge pumps, sanitary sewer pumps, HVAC and electrical systems in concentrator pump station. Rehabilitation of concentrator collector mechanisms and structural rehabilitation and coating of concentrators.	Failure of sludge thickening will result in a biological overloading of the secondary treatment process and effluent limit violations.
2.13	Sludge Thickeners Plant 2	Replacement of thickened sludge pumps, sanitary sewer pumps, HVAC and electrical systems in concentrator pump station. Rehabilitation of concentrator collector mechanisms and structural rehabilitation and coating of concentrators.	Failure of sludge thickening will result in a biological overloading of the secondary treatment process and effluent limit violations.
2.14	Digesters Plant 1	Complete rehab of sludge digester clusters (roofs, concrete structures, recirculation & transfer pumps, mixers, & electrical systems)	Loss of digestion capacity will result in a decline in biogas/methane production for power generation and unstabilized sludge that will require landfill disposal.
2.15	Digesters Plant 2	Complete rehab of sludge digester clusters (roofs, concrete structures, recirculation & transfer pumps, mixers, & electrical systems)	Loss of digestion capacity will result in a decline in biogas/methane production for power generation and unstabilized sludge that will require landfill disposal.
2.16	Dewatering Building	Construction of a new dewatering facility and sludge cake conveyance system to sludge storage buildings	Failure of sludge dewatering would result in solids accumulation in the secondary treatment process and effluent limit violations.

Exhibit D-1 Capital Project Descriptions

Project Number	Project Name	Project Description	Project Impact/Need
Central District WWTP, 3989 Rickenbacker Causeway, Miami, FL 33149 (continued)			
2.17	Chlorination Facilities	Replacement of chlorine gas storage, liquid chlorination and dosing system with bulk sodium hypochlorite storage and dosing system in separate outdoor structures	Failure of existing chlorine gas storage system could lead to and unregulated discharge of chlorine gas and exposure of plant personnel and nearby community to chlorine gas. Additionally, a failure of the chlorine system would result in a lack of disinfection of effluent, a effluent violation.
2.18	Odor Control Systems	Odor control buildings motor control center replacement including air conditioned electrical rooms. Replacement of odor control chemical pumps, piping, valves and gas stripping tower media.	Complaints of nuisance odors by nearby residents could result from a lack of properly functioning odor control systems.
2.19	Co-Gen Facility	Installation of two new Cogeneration engines, Cogeneration Building improvements, replacement of biogas pipeline and installation o biogas conditioning system.	Sudden loss of cogeneration engines could result in partial loss of power to the plant and temporary equipment shutdown. Consistent lack of cogeneration units would result in loss of heat for the anaerobic digesters.
2.20	Septage Unloading	Construction of a new septage handling station to remove FOG from the main wastewater treatment stream and treat either through digestion or off-site third part facility.	Septage currently puts and added load on plant's secondary treatment, is labor intensive.
2.21	Pump Station 1	Rehabilitation of pump station odor control system and of bar screen mechanisms	Odor complaints could result from an improperly functioning odor control system. Failure of bar screen mechanism could result in the blinding of the bar screen and cause an overflow of raw sewage from the pump station towards nearby surface waters, especially during peak wet weather flow events.
2.22	Pump Station 2	Rehabilitation of pump station odor control system, rehabilitation of bar screen mechanisms, and replacement pump stations flow metering to improve maintenance accessibility	Odor complaints could result from an improperly functioning odor control system. Failure of bar screen mechanism could result in the blinding of the bar screen and cause an overflow of raw sewage from the pump station towards nearby surface waters, especially during peak wet weather flow events. Inability to access the station's flow meter in a timely fashion has resulted in periods without proper flow measurement from this pump station.
2.23	O2 Plant Process Controls Phase 2	Replacement of process control equipment for existing oxygen production systems either due to equipment failing or being obsolete.	Loss of pure oxygen production will affect performance of secondary treatment process and result in effluent limit violations.
2.24	Gas Monitoring	Gas monitoring and alarms in hazardous areas	Personnel could be overcome by noxious fumes such as hydrogen sulfide, carbon dioxide carbon monoxide or methane if unaware of their presence due to lack of gas monitoring.
2.25	Ventilation Improvements	Ventilation Improvements in Hazardous Areas	Sufficient ventilation in hazardous areas is required to meet NFPA 820.
2.26	Rehabilitation of Walkways and Stairways	Replacement of corroded walkways, stairways, railings, grating throughout the plant	Personnel could suffer falling injuries from eroding concrete and corroding metal.
2.27	Oxygen Production	Construction of a new 80 ton/day oxygen production cryogenic tower and air compression unit to provide full redundancy as existing units are near the end of useful life and prone to failure.	Loss of pure oxygen production will affect performance of secondary treatment process and result in effluent limit violations.
2.28	SCADA RTU Upgrades	SCADA RTU upgrades due to exisiting RTUs being obsolete and difficulty of locating replacement parts	Failure to upgrades these RTUs could result in loss of monitoring and control of unit processes
2.29	High Strength Influent Impact Study	Investigation as to the sources of increased TSS and BOD loading experienced at the plant and conceptual solutions to eliminate or mitigate the change in plant influent characteristics	Influent loading characteritics well above design parameters are contributing factors in effluent limit violations. If unadressed, continued effluent violation are likely.

Exhibit D-1 Capital Project Descriptions

Project Number	Project Name	Project Description	Project Impact/Need
North District WWTP, 2575 NE 156 St., North Miami, FL 33160			
3.1	Headworks and Sludge Degritting Transfer	Phase 1: Replacement of bar screens with perforated plate screens Phase 2: Upgrade pretreatment buildings for fire code compliance and replacement of primary sludge grit separation	Replacement of influent screens and upgrade of headworks will reduce rags problems and improve treatment process.
3.2	Primary Clarifiers and Odor Control	Rehabilitation of structural, mechanical and odor control systems	Loss of primary clarifier capacity will increase workload of the secondary treatment process and will result in effluent limit violations. Complaints of nuisance odors by nearby residents could result from a lack of properly functioning odor control systems.
3.3	Oxygenation Trains	Rehabilitation of Aeration Tanks structural, mechanical and electrical systems	Loss of oxygenation tank capacity will result in effluent limit violations.
3.4	Oxygen Production	Rehabilitation of oxygen plant structural, mechanical and electrical systems	Loss of pure oxygen production will affect performance of secondary treatment process and result in effluent limit violations.
3.5	Secondary Clarifiers	Structural, mechanical and electrical rehabilitation of the secondary clarifiers	Loss of sludge settling capacity will result in effluent limit violations.
3.6	Disinfection	Replacement of chlorine gas storage, liquid chlorination and dosing system with bulk sodium hypochlorite storage and dosing system in the existing chlorine building	Failure of existing chlorine gas storage system could lead to and unregulated discharge of chlorine gas and exposure of plant personnel and nearby community to chlorine gas. Additionally, a failure of the chlorine system would result in a lack of disinfection of effluent, a effluent violation.
3.7	Effluent Disposal	Installation of standby pumps to ensure effluent disposal capacity and structural rehabilitation of ocean outfall pump station wet well	Loss of sufficient pumping capacity or wet well function will result in unpermitted effluent discharge into the surrounding protected wetlands.
3.8	Plant Wide Electrical	Rehabilitation and replacement of electrical controls and wiring as needed	Loss of electrical controls or wiring could result in plant shutdowns, wastewater overflows and effluent violations.
3.9	Flood Mitigation	Generator and Electrical Building flood mitigation at NDWWTP	Flooding of emergency standby generator and electrical switchgear area would result in loss of emergency power and power distribution. Emergency power is most critical during storm events when flooding is most likely.
3.10	Yard Piping Replacement	Replacement of wastewater piping that interconnects unit processes throughout the plant	A leak or rupture of plant yard piping will result in sewage and/or sludge spill that may contaminate nearby surface waters.
3.11	SCADA RTU Upgrades	SCADA RTU upgrades due to exisiting RTUs being obsolete and difficulty of locating replacement parts	Failure to upgrades these RTUs could result in loss of monitoring and control of unit processes

Exhibit D-1 Capital Project Descriptions

Project Number	Project Name	Project Description	Project Impact/Need
Wastewater Collection and Transmission Lines			
4.1	Collection System I/I Repairs	Rehab of Collection System (Dig & Replace Mainlines and Laterals, Manhole Replacement, Cured-in-Place Liners and Sectional Liners)	Renewal/replacement of defective gravity sewers with documented excessive inflow/infiltration
4.2	Government Cut FM - Phase 1& 2 (construction ongoing)	Replace existing portion of 54 inch FM from the water shaft of Phase 1 in Government Cut to mainland Miami Beach	Replace critically damaged sections of 54-inch force main to avert catastrophic failures in Government Cut
4.3	Government Cut FM - Phase 3	Replace existing portion of 54 inch FM from land shaft of Phase 1 at Fisher Island to CDWWTP at Virginia Key	Replace critically damaged sections of 54-inch force main to avert catastrophic failures in Fisher's Cut
4.4	North Dade 72 inch PCCP FM Rehabilitation	Rehabilitation of the remaining 3.5 miles of the 72 inch PCCP FM located between NW 17 Ave and NE 10 Ave	Replace remaining damaged section of 72-inch force main that has experienced catastrophic failure
4.5	South Dade 54 inch PCCP FM Rehabilitation	Rehabilitation of approximately 2.5 miles of 54 inch PCCP FM from SW 112 Ave and SW 280 St to SW 107 Ave and SW 248 St	Replace sections of 54-inch force main that has critically damages pipe segments
4.6	Replacement of Tamiami Canal Aerial Crossing FM's at NW 37th Ave	Replace corroded twin 24 inch FM's crossing the Tamiami Canal at NW 37 Ave, just south of NW 21 St	Replace twin 24-inch force mains that are corroded and have experienced failures
4.7	Replacement of 18 inch DIP FM in Miami Lakes	Replace 1 mile of corroded 18 inch DIP FM located at NW 60 Ave and NW 138 St	Replace severely corroded 18-inch pipe that has had multiple failures
4.8	Rehabilitation of 54 inch PCCP FM in the City of Miami	Rehabilitate by Cured-in-Place liner approximately 2 miles of 54 inch PCCP FM located on NW 2 St between NW 67 Ave and NW 37 Ave	Complete rehabilitation of 54-inch force main that is deteriorated and has experienced failures
4.9	Replace Approximately 25 miles of AC force mains	See attached description of individual force mains	Replace asbestos cement force mains that have experienced failures and are difficult to locate in the field.
4.10	Opa-Locka Airport 48" PCCP force main replacement	Rehabilitation of 2.5 miles of 48" PCCP force main running along the Biscayne Canal between NW 57th Avenue & NW 32 nd Avenue	Complete rehabilitation of 48-inch force main that is deteriorated and determined to have approximately one quarter of its line segments destressed based on in-situ condition assements

Exhibit D-1 Capital Project Descriptions

Project Number	Project Name	Project Description	Project Impact/Need
		Sewer Pump Station Systems	
5.1	Upgrade of PS#0418	Covert PS# 418 into a booster type station	The station has reach the end of its useful life. Booster station is needed to relieve pressures in the Doral area.
5.2	Upgrade of PS#0691	Replacement of pumping and electrical equipment	Existing equipment is beyond its useful life. Station capacity increase is required to handle increased Homestead flows
5.3	Upgrade of PS#0692	Replacement of pumping and electrical equipment	Existing equipment is beyond its useful life. Station capacity increase is required to handle increased Homestead flows
5.4	Replacement of Switchgear PS#0414	Replacement of electrical switchgear	Existing equipment is beyond its useful life.
5.5	Replacement of Switchgear and Rehabilitation of Wet well PS#0415	Replacement of electrical switchgear and rehabilitation of the wet well to include a odor control unit	Existing equipment is beyond its useful life. Wet well structure is deteriorated badly due to H2S
5.6	Replacement of Switchgear PS#0416	Replacement of electrical switchgear	Existing equipment is beyond its useful life.
5.7	Replacement of Switchgear and Rehabilitation of Wet well PS#0417	Replacement of electrical switchgear and rehabilitation of the wet well to include a odor control unit	Existing equipment is beyond its useful life. Wet well structure is deteriorated badly due to H2S
5.8	Replacement of Electrical and Mechanical Equipment in PS#0107	Replacement of pumping and electrical equipment	Existing equipment is beyond its useful life. Parts are not readily available for the load cell type controllers
5.9	Replacement of Plumbing and Electrical Equipment at PS#0301	Replacement of pumping and electrical equipment to include generator	Existing equipment is beyond its useful life due to the saltwater environment
5.10	Upgrade of PS#0488	Conversion of pump station to submersible type station	Existing equipment is beyond its useful life.
5.11	Installation of 60 inch FM from Kendall Dr to PS#0536	Installation of 60" F/M from Kendall Dr to PS#0537 to eliminate the 42" reduction in the 60" F/M	To reduce pressure differential and increase flow transfer between PS#0559 and 0536
5.12	Replacement of Switchgear at PS#0187	Replacement of Anvic Drive with VFD	Existing equipment is beyond its useful life. Parts are not available
5.13	Refurbish Emergency Generators and Controls at Regional Pump Stations	Refurbish emergency generators and controls at regional pump stations due to parts obsolescence	Emergency backup generators are unreliable due to age of controllers and condition of wiring on the engines
5.14	Upgrade of PS #0086, 0492	See attached Pump Station Compliance Projects sheet for individual pump station project descriptions.	The pump stations are out of compliance of the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours.
5.15	Upgrade of PS #0065, 0201, 0334, 0374, 0607	See attached Pump Station Compliance Projects sheet for individual pump station project descriptions.	The pump stations are out of compliance of the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours.
5.16	Upgrade of PS #00198, 0437, 0466, 0680	See attached Pump Station Compliance Projects sheet for individual pump station project descriptions.	The pump stations are out of compliance of the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours.
5.17	Upgrade of PS #0037, 0351, 0370, 0403	See attached Pump Station Compliance Projects sheet for individual pump station project descriptions.	The pump stations are out of compliance of the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours.
5.18	Upgrade of PS #0441, 0491, 0710, 0827, 0852, 1236	See attached Pump Station Compliance Projects sheet for individual pump station project descriptions.	The pump stations are out of compliance of the Adequate Transmission Capacity Criteria with a NAPOT of greater than 10 hours.
5.19	SCADA RTU Upgrades	SCADA RTU upgrades for 635 pump stations due to exisiting RTUs being obsolete and difficulty of locating replacement parts	Failure to upgrades these RTUs could result in loss of monitoring and control of wastewater pump stations

Individual AC force mains in Project 4.9

	Pipe Length	Diameter	From Location	To Location	Atlas Page	As Built Type	As Built No	As Built Sheet	Comments
1	2757	12	SW 112 Ave & SW 104 St	SW 112 Ave & SW 112 St	S21	NA	NA	NA	
2	2000	8	NE 14 Ave & 191 St	NE 14 Ave & Miami Gardens Dr	D2	ES	4708	1, 2	
3	1520	6	PS 356	NW 53 Ct & NW 195 Dr	L2	ES	836	4	
4	1430	8	NW 53 Ct & NW 195 Dr	NW 52 Ct & NW 191 St	L2	ES	836	4	
5	920	10	NW 52 Ct & NW 191 St	NW 52 Ct & NW 188 St	L2	ES	836	4	
6	276	6	PS 362	NW 52 Ct & NW 190 St	L2	ES	793	8	
7	400	10	NW 52 Ct & NW 190 St	NW 52 Ave& NW 189 Ter	L2	ES	793	8	
8	1650	10	NW 52 Ct & NW 188 St	NW 52 Ave & NW 183 St	L2	ES	836	5	
9	1492	8	PS 385	NW 29 Ct & NW 199 St	J1	ES	826	4	
10	1080	12	NW 29 Ct & NW 199 St	NW 30 Pl & NW 199 St	J1	ES	826	4	
11	400	8	NW 29 Ct & NW 199 St	NW 28 Ave & NW 199 St	J1	ES	830	3	
12	310	6	PS 374	NW 28 Ave & NW 199 St	J1	ES	830	3	
13	3235	12	NW 30 Pl & NW 199 St	NW 37 Ave & NW 199 St	J1	ES	823	4	
14	1785	8	PS 368	NW 37 Ave & NW 194 Ter	J2	ES	834	2	
15	896	4	PS 375	NW 29 Pl & NW 191 St	J2	ES	818	6	
16	896	10	PS 427	NW 29 Pl & NW 191 St	J2	ES	922	1	
17	1076	10	NW 29 Pl & NW 191 St	NW 32 Ave & NW 191 St	J2	ES	818	6	
18	2614	6	PS 376	NW 32 Ave & NW 191 St	J2	ES	782	7	
19	1450	6	PS 377	NW 36 Ave & NW 183 St	J2	ES	797	1	
20	467	8	PS 366	NW 42 Pl & NW 199 Ter	K2	ES	808	5	
21	1792	10	NW 42 Pl & NW 199 Ter	NW 39 Ct & NW 199 St	K2	ES	808	5	
22	2056	6	PS 358	PS 352	K3	ES	775	12	
23	11027	8	PS 1022	PS 1072	AA36, Z36	ES	4597	1	
24	1793	8	PS 353	NW 48 Ct & NW 178 Ter	L3	ES	780	15	
25	1425	10	NW 52 Ave & NW 173 Dr	NW 52 Ave & NW 178 Terr	L3	ES	788	12	
26	2025	6	PS 354	NW 52 Ave & NW 173 Dr	L3	ES	788	12	
27	2450	4	Pvt PS @ SW 149 Ter	MH 14 @ PS 719	Q23 Q24	ES	676	1	
28	1610	8	PS 786	MH 5 @ PS 785	R15	U	93	1	
29	1350	12	PS 811	SW 107 Ave & SW 76 St	R19	U	136	1	
30	2745	12	PS 811	SW 102 Ave & SW 81 St	R19	U	123	3	
31	2168	10	PS 812	SW SW 102 Ave & SW 84 St	R19	U	411	1	
32	1622	12	SW 107 Ave & SW 104 St	SW 107 Ave & Kendale Blvd	R20	U	245	2	
33	1266	4	Pvt PS @ SW 1104 Ave & SW 169 St	MH 59 @ SW 103 Ave	R25	ES	741	1	
34	6612	10	PS 709	Homestead Ave & Kumquat St	R25	ES	739	1	
35	2505	6	SW 110 Ave & Banyan St	SW 95 Ave & SW Banyan St	R25	N/A	N/A	N/A	
36	649	4	PS 721	US1 & Banyan St	R25	ES	701	1	
37	767	4	PS 749	PS 731	R25	ES	650	2	
38	1066	4	PS 747	US1 & East Indigo St	R25	N/A	N/A	N/A	
39	1418	10	SW 102 Ave & SW 176 St	Homestead Ave & West Jessamine	R25	ES	687	8	
40	4017	8	PS 745	SW 102 Ave & SW 176 St	R25	ES	687	8	
41	1386	4	PS 731	SW Duval Ave & West Indigo St	R25	ES	741	1	
42	3769	10	SW 102 Ave & West Jessamine	US 1 & SW 184 St	R25	ES	739	2	
43	1858	12	Homestead Ave & SW 180 St	Railroad St & SW 184 St	R25	ES	739	2	
44	1200	8	PS 810	SW 118 Pl & SW 72 St	S19	U	243	1	
45	650	12	PS 793	SW 118 Pl & SW 72 St	S19	U	243	1	
46	666	6	PS 724	SW 106 Ave & SW 155 St	S24	ES	734	1	
47	973	8	PS 869	SW 122 Ave & SW 88 St	T20	U	149	5	
48	1822	10	PS 1017	SW 123 Pl & SW SW 268 St	T31	ES	1039	3	
49	3412	10	PS 1029	SW 132 Ave & SW 268 St	U30	ES	1044	1	
50	5649	8	SW 137 Ave & SW 268 St	SW 128 Ave & SW 268 St	U31	ES	1040	6	
51	6432	10	PS 1028	SW 137 Ave & SW 288 St	U31	ES	1040	6	
52	5461	10	PS 1027	SW 132 Ave & SW 280 St	U31	ES	1049	4	
53	2340	8	PS 1018	MH 44A @ SW 132 Ave	U32	ES	1053	1	
54	2680	12	SW 137 Ave & SW 72 St	SW 142 Ave & SW 72 St	V18	U	191	1	
55	2363	12	SW 142 Ave & SW 72 St	SW 147 Ave & SW 72 St	V18	U	202	6	
56	2451	8	PS 864	SW 147 Ave & SW 72 St	V18	U	202	4	
57	1441	8	SW 142 Ave & Kendale Lakes Blvd	SW 140 Ave & Kendale Lakes Blvd	V19	U	420	5	
58	2101	10	SW 140 Ave & Kendale Lakes Blvd	SW 137 Ave & Kendale Lakes Blvd	V19	U	420	4	
59	776	12	SW 137 Ave & Kendale Lakes Blvd	SW 137 Ave & SW 81 St	V19	U	420	4	
60	1420	8	PS 1013	PS 1012	V31	ES	4543	3	
61	2213	10	PS 1012	SW 144 Ave & SW 280 St	V31	ES	4543	3	
62	958	8	PS 1011	SW 144 Ct & SW 280 St	V31	ES	4544	3	
63	6565	10	SW 147 Ave & SW 288 St	SW 134 Pl & SW 288 St	V32	ES	1056	1	
64	1236	6	PS 1009	SW 147 Ave & SW 296 St	V32	ES	4547	1	
65	1819	6	PS 1006	PS 1005	W32	ES	4594	1	
66	2989	8	PS 1002	SW 152 Ave & SW 304 St	W33	ES	4593	3	

136839 Feet

25.916477 Miles

Description of Individual Pump Station Compliance Projects

Pump Station	Project Descripton
PUMP STATION 0065	New submersible pumps in the existing dry well/ Larger suction and discharge piping/ Electrical upgrade
PUMP STATION 0086	Convert to submersible with existing wet well/ Electrical upgrade
PUMP STATION 0201	New submersible pumps in the existing wet well/ New valve box/ Electrical upgrade
	Complete I/I 48 repairs for 176 gpm
PUMP STATION 0334	New submersible PS/ Electrical upgrade
	2,200 L.F. of new 8" FM
PUMP STATION 0374	New submersible pumps and valve box/ Electrical upgrade
	320 L.F. of new 8" FM
PUMP STATION 0492	New submersible PS/ Electrical upgrade
PUMP STATION 0607	New submersible PS/ Electrical upgrade
PUMP STATION 0198	New submersible pumps in the existing dry well / Electrical upgrade
	Flow isolation and I/I repairs as needed
PUMP STATION 0437	New submersible pumps and valve box/ Electrical upgrade
PUMP STATION 0466	New submersible pumps and valve box/ Electrical upgrade
PUMP STATION 0680	New submersible pumps/ New valves above ground/ Electrical upgrade
PUMP STATION 0037	New submersible PS/ Electrical upgrade
PUMP STATION 0351	New submersible pumps and valve box/ Electrical upgrade
	Replace 360 L.F. of 4" with 8" FM
PUMP STATION 0370	New submersible PS/ Electrical upgrade
	760 L.F. of new 8" FM
PUMP STATION 0403	New submersible PS/ Electrical upgrade/ On site generator
PUMP STATION 0441	New submersible PS/ Electrical upgrade
PUMP STATION 0491	Flow isolation and I/I repairs as needed
PUMP STATION 0710	New submersible PS/ Electrical upgrade
	1,800 of L.F. of new 8" FM
PUMP STATION 0827	Larger submersible pumps/ New valve vault/ Electrical upgrade
	Replace 1,600 L.F. of 4" FM with 8" FM
PUMP STATION 0852	New submersible PS/ Electrical upgrade
PUMP STATION 1236	Complete I/I 300 repairs for 130 gpm