

## Appendix E

# Existing Facilities



**Table E-1 – Mini-Basin Identification and Piping Characterization**







**Table E-2 – Pump Station Inventory**





Table E-2 Pump Station Inventory

Pump Station Name	Mini-Basin Name	Mini-Basin Number	Pump Type	Number of Pumps	Pump Manufacturer & Model	Rated Capacity GPM	Average of Actual Drawdown Test if available (date)	Horsepower Pump	Force Main Size and Type	Force Main Length (feet)	Shared Force Main Length (feet)		Wet well Footprint Diameter or Dimensions (feet)	Emergency Power (Y/N)	Generator Size (kW)	Location	Year of Last Upgrade	
Minnehaha PS	Minnehaha	1-103	Wet well / drywell	2	Cornell - 4NNT	502 gpm @ 25.2 feet		5	6-inch PVC	1,356			8-foot diameter	Y	18 kW	2600 NE Minnehaha		
Ashley Heights II PS	Felida	2-102	Submersible/Wet Well	2	Paco - 4420-495-21	100 gpm @ 71.6 ft	97 gpm (3/2/16)	6.5	4-inch PVC	1,225			6-foot diameter	Y	18 kW	14200 NW 44th Ct		
Horizon West PS	Lake River	2-103	Submersible/Wet Well	2	Paco - 495-21	150 gpm @ 38 ft	88 gpm (3/2/16)	8.5	4-inch PVC	1,441			6-foot diameter	Y	18 kW	4500 NW 118th Circle		
Horizon West II PS	Lake River	2-103	Submersible/Wet Well	2	Pumpex - K83F-VB1145	88 gpm @ 73 ft	86 gpm (2/29/16)	6	4-inch PVC	1,389	1,135		8-foot diameter	Y	18 kW	4402 NW 115th St		
West of Westmoor PS	Lake River	2-103	Submersible/Wet Well	2	Paco - 4420, 113-49521	180 gpm @ 80 feet		8.5	4-inch PVC	806			8-foot diameter	Y	18 kW	11107 NW 38th Ave		
36th Avenue PS *	Seward Bridge South	2-201			Yeoman - 10522	5500 gpm @ 102 feet				6,615								
Shore Crest PS	Seward Bridge North	2-202	Submersible/Wet Well	2	Paco - 4420 -113-49521	200 gpm @ 56 feet	198 gpm (2/26/16)	8.5	4-inch PVC	746			6-foot diameter			NW 140th St & NW 28th Ct		
149th Street PS	Seward Bridge North	2-202	Submersible/Wet Well	2	Flygt - NP3127 HT 3-488	130 gpm @ 72.3 feet	321 gpm (6/16/16)	10	6-inch PVC	2,130			8-foot diameter			1301 NW 149th St		
Whipple Creek Place PS	Seward Bridge North	2-202	Submersible/Wet Well	2	Wemco Hidrostral D4K-HS	200 gpm @ 54 feet		7.9	4-inch PVC	1,763			8-foot diameter			NW 151st St & NW 9th Ave		
Bliss Road MOV	Seward Bridge North	2-202	MOV	1	na	na		na	na	1,308			6-foot diameter			NW Bliss Rd & NW Seward Rd		
Lakeshore PS	Cougar Canyon West	2-502	Wetwell mounted, Self-priming	2	Hydronix	175 gpm		3	4-inch PVC	238			5-foot diameter	Y	18 kW	1819 NW 104th St		
St Johns PS	Cougar Canyon South	2-504								1,086								
Office PS	Cougar Canyon South	2-504																
Brookfield PS	Oro-Vega West	2-601	Submersible/Wet Well	2	ABS - XFP100E CB1	109 gpm @ 93 ft	132 gpm (2/29/16)	14	4-inch PVC	2,349			8-foot diameter	Y	35 kW	2114 NW 138th St		
Oro Vega PS	Oro-Vega West	2-601	Submersible/Wet Well	2	Cornell - 4414T	505 gpm		10	8-inch PVC	1,476			8-foot diameter	Y	18 kW	NW 144 Circle & NW 11th Ave		
Salmon Creek West MOV	Oro-Vega West	2-601	MOV	1	na	na		na	na	370	682	1,324	5-foot diameter	N		1213 NW 131st Way		
Salmon Creek Estates MOV	Oro-Vega West	2-601	MOV	1	na	na		na	na	430				7.5-foot diameter	N		13102 NW 8th Way	
Shadow Wood MOV	Oro-Vega West	2-601	MOV	1	na	na		na	na					5-foot diameter	N		600 NW Heerman Dr.	
117th Street PS *	Hazel Dell North	2-701		3	Cornell - 8NHTA	3300 gpm @ 205 feet		250		2 x 23,785								
Buckman Gardens II PS	Hwy 99 East	2-801	Submersible/Wet Well	2	ABS - XFP 100E CB1	225 gpm @ 50 ft		10	4-inch PVC	874			8-foot diameter	Y	50 kW	4501 NE 94th		
Klineline PS	Sylvan Creek	2-901	Wetwell Mounted	2	Smith and Loveless 4B2B	50 gpm @ 27 ft			4-inch PVC	349			5-foot diameter	N		NE 117th St & NE Klineline Rd		
Knoll Ridge West PS	Knoll Ridge	2-1001	Wetwell / Drywell	2	Cornell 4x4x14T	217 gpm @ 112ft	160 gpm (7/6/16)	25	4-inch PVC	1,850			6-foot diameter	Y	50 kW	103 NE 127th Circle		
Wood Creek PS	Knoll Ridge	2-1001	Wetwell Mounted - Self priming	2	Hydromatic - 40 MPD	98 gpm		5	4-inch PVC	788			5-foot diameter	Y	18 kW	12509 NE 5th Ct		
Knoll Ridge South PS	Knoll Ridge	2-1001	Submersible/Wet Well	2	Enpo-Cornell - 4000	100 gpm @ 31 ft	110 gpm (10/11/16)	3	4-inch PVC	501			5-foot diameter	N		12404 NE 6th Ct		
Plantation PS	Knoll Ridge	2-1001	Submersible/Wet Well	2	Hydromatic SL series	291 gpm		1.5	4-inch PVC	13			5-foot diameter	Y	18 kW	12003 NE Plantation Rd		
Stag Leap PS	Blueberry Hill	2-1101	Submersible/Wet Well	2	Flygt - CP-3102	100 gpm @ 38 feet		5	4-inch PVC	594			6-foot diameter	Y	18 kW	NE 106th St & NE 43rd Pl		
Buckman Gardens PS	Blueberry Hill	2-1101	Submersible/Wet Well	2	PACO - 113-48001 (4420)	100 gpm @ 42 ft		5	4-inch PVC	1,096			6-foot diameter	Y	18 kW	NE 97th St & 41st Ave		
PV Highlands PS	Pleasant Valley South	2-1302	Wetwell / Drywell	2	Cornell 4x4x14T	300 gpm @ 135 ft	388 gpm (10/5/16)	25	6-inch PVC	4,472			4-foot diameter	Y	50 kW	NE 142nd St & NE 42nd Ave		



**Table E-2 Pump Station Inventory**

Pump Station Name	Mini-Basin Name	Mini-Basin Number	Pump Type	Number of Pumps	Pump Manufacturer & Model	Rated Capacity GPM	Average of Actual Drawdown Test if available (date)	Horsepower Pump	Force Main Size and Type	Force Main Length (feet)	Shared Force Main Length (feet)	Wet well Footprint Diameter or	Emergency Power (Y/N)	Generator Size (kW)	Location	Year of Last Upgrade	
Marina PS	Marina	3-203	Submersible/Wet Well	2	Flygt - 3127.095	223 gpm @ 86 ft	227 gpm (10/19/16)	11	10-inch PVC			10-foot diameter			5 W. Mill St		
Taverner Ridge PS	Taverner	3-301	Submersible/Wet Well	2	Flygt - CP 3140 HT	462 gpm		15	6-inch PVC	1,622	8,824	8-foot diameter			1202 S. Great Blue Rd		
Canyon Ridge PS	Canyon Ridge	3-303	Submersible/Wet Well	2	Flygt - NP3171.091	217 gpm @ 208 ft	167 gpm (3/3/16)	35	6-inch PVC	5,725		8-foot diameter			1700 S. Sever Rd		
Abrams Park PS	Abrams	3-501	Wet Well Mounted	2	Smith & Loveless - 4B2B	100 gpm @ 66 ft	97 gpm (9/13/16)	7.5	4-inch PVC	961					1300 E Division St		
Gee Creek PS	Gee Creek West	3-502	Submersible/Wet Well		Flygt NP3153 HT 3-462	775.8 gpm @ 65.2 ft		20				6-foot diameter			1651 Pioneer St		
Osprey Point PS	Hillhurst North	3-504	Submersible/Wet Well	2	Myers - 4RC250M2-43	70 gpm		25	4-inch PVC	2,051	1,269	8-foot diameter			2215 S. 13th Circle		
Cassini View PS	Hillhurst North	3-504	Submersible/Wet Well	2	Flygt - NP3153.090	130 gpm @ 131 ft	113 gpm (9/18/16)	18	4-inch PVC	2,053		2,453	6-foot diameter			1511 S. 24th Pl	
Wishing Well PS	Hillhurst North	3-504	Submersible/Wet Well	1 1	Paco - 4420, 495-61 Flygt	100 gpm @ 90 feet 46 gpm	141 gpm (3/4/16) 194 gpm (3/4/16)	18	4-inch PVC	2,514		6-foot diameter			2080 S. 26th Ave		
Pioneer Canyon PS	Pioneer Canyon	3-601	Submersible/Wet Well	3	Flygt NP3202 HT	1560 gpm @ 85.2 ft	1145 gpm (10/5/16)	70	12-inch PVC			12-foot diameter			451 N. 45th Ave		
South Bound Rest Area PS	Pioneer Corridor	3-606	Submersible/Wet Well	2	Flygt - NP3085 SH	120 gpm @ 59.9 ft		4									
Seventh day Adventist PS	Seventh Day	3-608								1,948	7,573						
Tri-Mountain PS	Tri-Mountain	3-609	Submersible/Wet Well	2	Paco - 4425, 113-412-41	100 gpm @ 150 feet	164 gpm (7/14/16)	25	4-inch PVC	4,872		8-foot diameter			1701 NW 299th St		

\* Pump Station and force main owned and operated by the Alliance

