

City Of Mission
Scope of Services
Bid Name/No.: “Pump Repair & Maintenance Services” / 25-XXX-XX-XX

- I. **Scope of Work:** The City of Mission is accepting bids for the Pump Repair & Maintenance Services for the Public Works Department. The work under this specification includes providing all labor and parts required for Pump preventive maintenance and repair services to include removal of existing pumps for refurbishment, rehabilitation and/or rebuilding, then reinstallation and alignment.
- II. **Specifications:** The City of Mission is requesting bids for “Pump Repair and Maintenance Service.” The intent of this bid is to obtain services of to perform Pump repairs, and maintenance on an “as needed” basis for a period that is stated below.
- III. **Scope of Services:** The successful contractor shall provide all labor, materials and equipment required to complete all assigned jobs. Contractor shall be able to start all non-emergency services with five (5) working days after notification from City of Mission Department(s). The prospective bidder shall have thorough knowledge of water and wastewater systems to include sanitary sewer lift stations as well as the different components associated with the Pump aspect. The Contractor shall complete each non-emergency job within the time specified in their project estimate. For the health, welfare or the safety of people and/or property or a condition that will affect an essential service(s) as determined by City of Mission. Contractor shall respond to requests for emergency service calls within 24 hours after notification.
- IV. **Treatment Plants Sites**
- | | | |
|----|--------------------------------|----------------------------------|
| 1. | South Water Plant | 514 Perkins |
| 2. | North Water Plant | 2801 N Holland |
| 3. | Wastewater Plant | 906 S Conway |
| 4. | Industrial Pre-Treatment Plant | 906 S Conway |
| 5. | South Reservoir Station | 4 th Street & Perkins |
- V. **General Specifications:** The following are representative services, which may be required. This is not an all-inclusive list.
- A. The service provider must have full-service trucks stocked with tools, rigging equipment and parts for Onsite Repair Service.
 - B. Provide repair shop services and must be able to repair all pump types and models. Once pump is removed and in the machine shop, a detailed disassembly report with pictures including reasons for failure and solutions for extending the life of the pumps is to be delivered.
 - C. The service provider must provide impeller trimming, impeller balance, bearing protection, coating application to pump’s wearable parts, in addition to other relevant services.
 - D. Provide machine shop services. Work in the machine shop must be able to machine new parts and/or reverse engineer and machine existing parts, provide new parts, new pump sleeves, shaft, and custom parts to OEM specifications of the pump.
 - E. Prepare pump and/or part for application of coating, apply coatings (including for protection of concrete and metal abrasion, corrosion, chemical corrosion or erosion).
- VI. **Preventive Maintenance:** work directed by the Public Works Departments for routine, scheduled activities performed before equipment failure for the purpose of extending equipment life, reducing maintenance costs, and increasing reliability.
- Test, repair, replace or adjust:
- 1. Packing
 - 2. Repacking
 - 3. Packing Glands
 - 4. Packing bolts
 - 5. Drain lines
 - 6. Mechanical Seals
 - 7. Wear Plate
 - 8. Impeller

9. Shaft
10. Sleeves
11. Volute
12. Bearings
13. Lubrication System
14. Oil Seals
15. Grease cups
16. Coupling
17. Alignments
18. V-Belts
19. Gauges
20. Check valves
21. Miscellaneous submersible power cords, Cooling Systems, etc.

VII. EMERGENCY MAINTENANCE: In this case, it is defined as when an unscheduled failure of a system or piece of equipment such as noted above could have a severe or catastrophic effect. Examples of emergencies would be in the case of sewer lift stations and treatment plant accidental discharges to streams, backups into homes or business, or loss of destruction of equipment. In the case of water distribution systems an emergency could cause severe or catastrophic effects; such lack of water could incapacitate hospitals, cause fire protections failure and basic standard of life issues.

The City of Mission has in its inventory approximately 177 pumps distributed throughout the city sewer lift stations (see attached location list and pump type schematics), water treatment plants and wastewater plants.

VIII. Work Standards: All work shall be performed according to the standards of the Pump industry and to the complete satisfaction of the City of Mission. All work shall confirm to the City of Mission.

Work performed by Contractor shall be to a professional standard, complying with the requirements of the applicable edition of the Uniform Pump Code, Uniform Building Code, State and Local building codes.

Contractor must meet all Federal EPA and OSHA guidelines in the proper handling and disposal of special waste or contaminated materials.

IX. Charges: Man-hours paid under this contract shall be only for productive hours at the job site. Time spent for transportation of workers, material acquisition, handling and delivery, or for movement of contractor owned or rental equipment is not chargeable directly.

Regular services shall be made available between the hours 7:00 a.m. to 5:00 p.m., Monday through Wednesday, excluding City recognized holidays. All work requested outside of these times shall be considered EMERGENCY after hours service and shall be charged at rate specified in the bid.

Services shall be made available to the City, **365 days per year, and 24 hours per day.**

X. Response Time: Response Time will be within twenty-four hours of notification and immediately in the case of emergencies. Emergency work shall be continued until completion. Note: It is not uncommon for emergency calls to exceed 24 hr. durations.

XI. Call Back Service:
Upon written notice from City of Mission, the contractor must, without charge, promptly and properly replace any and all improper work and material that may become apparent within a one-year period from the date of acceptance by the City of Mission. Call back service for previous repairs or maintenance will be on a twenty-four hour seven days a week basis at no additional cost to the City of Mission and response time will be within twenty-four hour for non-emergencies.

XII. Estimates:
Contractor shall provide written, "not to exceed" estimates on all projects except on emergencies. This estimate shall include the estimated number of hours, hourly rate, number of types of employees required, estimated material cost

and number of calendar days required for project completion. Contract shall respond or request for estimated for non-emergency work within two days and provide written estimated within five days. It shall be the contractor's responsibility to ensure they have all information to prepare accurate estimates.

XIII. Competitive Price:

It is City of Mission's intent to get the best quality work at a competitive price. If, in City of Mission's opinion, an estimate seems unreasonable, City of Mission will inform the contractor. If an agreement on a competitive price cannot be reached, City of Mission will use another vendor, via the City of Mission procurement process, to complete the work.

XIV. Minimum Qualifications:

Prospective bidders shall be registered with the Secretary of State and have at least five years experience in the trade.

XV. Entrance to City of Mission locations:

Only authorized employees of the Contractor are allowed on the premises of City of Mission locations. Contractor employees are NOT to be accompanied in their work area by acquaintances; family members, assistant or any person unless said person is an authorized employee of the Contractor.

XVI. Warranty/Guarantee:

Parts, replacement parts and fixtures shall be new and warranted for at least 1-year period. All labor for repairs shall have a 1-year warranty.

XVII. Work Site Safety:

Contractor shall insure proper visual lighting and proper safety protocols are observed as to meet OSHA and other applicable safety guidelines.

XVIII. Response Clarification:

Maintenance Work is typically performed on-site to extend the life of the pump.

Repair Work is reactive work after pump failure that typically requires pump breakdown and sometime of off-site Machine Shop Service.

Emergency Repair Work requires fast response and expedited completion and delivery of work.

XVIII. References: Contractor shall submit list of references that currently receive or have received similar services as those outlined under scope of services and general specifications.

Site Visit: A site visit may be scheduled with the following personnel:

Ralph de la Rosa, Water Plant Supervisor

Tel: 956-212-0435

Moises Lopez, Wastewater Plant Supervisor

Tel: 956-227-7912

Omar Cantu, Water and Wastewater Supervisor

Tel: 956-227-7927

CITY OF MISSION
***LIFT STATION SITE LOCATIONS**

Lift Station No.	Address
1	2600 N Holland (Magic Valley Electric)
2	2016 N Holland
3	1605 N Mayberry
4	2413 N Mayberry
5	2600-A N Francisco
6	2601 N Conway
7	2427 N Conway
8	5714 N Schuerbach
9	1701 Azalea St
9B	S. of 2 Mile and Moorefield
10	2607 N Inspiration (Magic Valley Electric)
11	2201 N Los Ebanos Rd (Magic Valley Electric)
12	1023 Blake (on south side of canal)
13	101-A Paseo de la Tranquilidad
14	2719 Paseo Encantado
18	4211 S Bentsen Palm Dr
22	1236 E Bus 83
23	404-A S Bryan
24	600-A S Bryan Road
25	1506 Aubrey Drive
26	3001-A S Bryan (no power)
26B	South Bryan
27	1201-A S Mayberry
27B	S. Conway
28	404-A Trinity
29	113 E Los Indios (Madero)
30	6551 S FM 494 (Granjeno)
31	3200-A Santa Fe
32	2309-A Los Milagros
33	1901-A S Shary Rd
34	1203 S Shary
35	2000-A E Expressway 83
36	2412 E Expressway 83 (Wal-Mart)
36B	Colorado & Shary Rd.
37	2501 Rosalinda St
37A	Glasscock
38	2421-A Willow
39	2901 N Shary Rd
40	4903 N Glasscock Rd
42	2809 N Bryan

* This is not an all-inclusive list of the Lift Stations. Some lift stations may be added or deleted as needed.

CITY OF MISSION
***LIFT STATION PUMP INVENTORY**

Lift station 1: <ul style="list-style-type: none"> • Motor: 1.5 HP • Pump Size: 3" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Gorman Rupp</u> 	Lift Station 9B: <ul style="list-style-type: none"> • Motor: 7 HP • Pump Size: 4" • Pump Type: Submersible • Pump Quantity: 2
Lift Station 2: <ul style="list-style-type: none"> • Motor: 28 HP • Pump Size: 4" • Pump Type: Submersible • Pump Quantity: 2 • Company: <u>ABS</u> 	Lift Station 10: <ul style="list-style-type: none"> • Motor: 25 HP • Pump Size: 6" • Pump Type: Submersible • Pump Quantity: 4 Company: <u>ABS</u>
Lift Station 3: <ul style="list-style-type: none"> • Motor: 15 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 2 Company: <u>Gorman Rupp</u>	Lift Station 11: <ul style="list-style-type: none"> • Motor: 25 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 2 Company: <u>Gorman Rupp</u>
Lift Station 4: <ul style="list-style-type: none"> • Motor: 2 HP • Pump Size: 3" • Pump Type: Self Primer • Pump Quantity: 1 • Company: <u>Crown</u> 	Lift Station 12: <ul style="list-style-type: none"> • Motor: 5 HP • Pump Size: 3" • Pump Type: Self-Primer • Pump Quantity: 2 Company: <u>1-Crown, 1-Gorman Rupp</u>
Lift Station 5: <ul style="list-style-type: none"> • Motor: 5 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Crown</u> 	Lift Station 13: <ul style="list-style-type: none"> • Motor: 7.5 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 2 Company: <u>Crown</u>
Lift Station 6: <ul style="list-style-type: none"> • Motor: 3 HP • Pump Size: 3" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Crown</u> 	Lift Station 14: <ul style="list-style-type: none"> • Motor: 25 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 2 Company: <u>Gorman Rupp</u>
Lift Station 7: <ul style="list-style-type: none"> • Motor: 3 HP • Pump Size: 3" • Pump Type: Self Primer • Pump Quantity: 1 • Company: <u>Gorman Rupp</u> 	Lift Station 18: <ul style="list-style-type: none"> • Motor: 12 HP • Pump Size: 4" • Pump Type Submersible • Pump Quantity: 2 Company: <u>ABS</u>
Lift Station 8: <ul style="list-style-type: none"> • Motor: 30 HP • Pump Size: 6" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Crown</u> 	Lift Station 19: <ul style="list-style-type: none"> • Motor: 40 HP • Pump Size: 6" • Pump Type: Submersible Pump Quantity: 2
Lift Station 9: <ul style="list-style-type: none"> • Motor: 12 HP • Pump Size: 4" • Pump Type: Submersible • Pump Quantity: 2 Company: <u>ABS</u>	Lift Station 22: <ul style="list-style-type: none"> • Motor: 5 HP • Pump Size: 3" • Pump Type: Self Primer • Pump Quantity: 1 Company: <u>Crown</u>

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Lift Station 23: <ul style="list-style-type: none"> • Motor: 25 HP • Pump Size: 6" • Pump Type: Submersible • Pump Quantity: 3 • Company: <u>ABS</u> 	Lift Station 28: <ul style="list-style-type: none"> • Motor: 5 HP • Pump Size: 3" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Crown</u>
Lift Station 24: <ul style="list-style-type: none"> • Motor: 25 HP • Pump Size: 6" • Pump Type: Submersible • Pump Quantity: 3 • Company: <u>ABS</u> 	Lift Station 29: <ul style="list-style-type: none"> • Motor: 14 HP • Pump Size: 4" • Pump Type: Submersible • Pump Quantity: 2 • Company: <u>ABS</u>
Lift Station 25: <ul style="list-style-type: none"> • Motor: 7.5 HP • Pump Size: 3" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Gorman Rupp</u> 	Lift Station 30: <ul style="list-style-type: none"> • Motor: 25 HP • Pump Size: 6" • Pump Type: Submersible • Pump Quantity: 2 • Company: <u>ABS</u>
Lift Station 27: <ul style="list-style-type: none"> • Motor: 30 HP • Pump Size: 6" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Gorman Rupp</u> 	Lift Station 31: <ul style="list-style-type: none"> • Motor: 25 HP • Pump Size: 6" • Pump Type: Submersible • Pump Quantity: 2 • Company: <u>ABS</u>

Lift Station 32: <ul style="list-style-type: none"> • Motor: 12 HP • Pump Size: 4" • Pump Type: Submersible • Pump Quantity: 2 Company: <u>ABS</u>	Lift Station 37: <ul style="list-style-type: none"> • Motor: 40 HP • Pump Size: 6" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Gorman Rupp</u>
Lift Station 33: <ul style="list-style-type: none"> • Motor: 15 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Gorman Rupp</u> 	Lift Station 38: <ul style="list-style-type: none"> • Motor: 10 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 1 • Company: <u>Crown</u>
Lift Station 34: <ul style="list-style-type: none"> • Motor: 7.5 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>1-Crown, 1-Gorman Rupp</u> 	Lift Station 39: <ul style="list-style-type: none"> • Motor: 75 HP • Pump Size: 8" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Gorman Rupp</u>
Lift Station 35: <ul style="list-style-type: none"> • Motor: 50 HP • Pump Size: 6" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Gorman Rupp</u> 	Lift Station 40: <ul style="list-style-type: none"> • Motor: 7.5 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>Crown</u>
Lift Station 36: <ul style="list-style-type: none"> • Motor: 5 HP • Pump Size: 4" • Pump Type: Self Primer • Pump Quantity: 2 • Company: <u>1-Crown, 1-Gorman Rupp</u> 	Lift Station 42: <ul style="list-style-type: none"> • Motor: 40 HP • Pump Size: 8" • Pump Type: Submersible • Pump Quantity: 2 Company: <u>ABS</u>

* This is not an all-inclusive list of the Lift Stations. Some lift stations may be added or deleted as needed.

CITY OF MISSION
***LIFT STATION PLANT INVENTORY**

South Water Plant					
	Pump Name	Pump Type	Size"	GPM	Location
1	Raw	Vertical Turbine	10	2,800	4th Street & Perkins
2	Raw	Vertical Turbine	8	2,100	4th Street & Perkins
3	Raw	Vertical Turbine	8	1,400	4th Street & Perkins
4	Raw	Vertical Turbine	8	2,000	4th Street & Perkins
5	Raw	Split Case	12	2,250	4th Street & Perkins
6	Transfer	Vertical Turbine	12	2,000	514 Perkins Ave.
7	Transfer	Vertical Turbine	12	2,000	514 Perkins Ave.
8	Transfer	Vertical Turbine	12	2,000	514 Perkins Ave.
9	Transfer	Vertical Turbine	12	2,000	514 Perkins Ave.
10	HS Treated	Split Case	10	2,500	514 Perkins Ave.
11	HS Treated	Split Case	10	2,500	514 Perkins Ave.
12	HS Treated	Split Case	10	2,500	514 Perkins Ave.
13	HS Treated	Split Case	10	2,500	514 Perkins Ave.
14	Backwash	Split Case	12	5,000	514 Perkins Ave.
15	Pipe Gallery East	Submersible	1.5	5	4th Street & Perkins
16	Pipe Gallery West	Submersible	1.5	5	4th Street & Perkins
17	Pipe Gallery #1	Submersible	1.5	5	514 Perkins Ave.
18	Pipe Gallery #2	Submersible	1.5	5	514 Perkins Ave.
19	Pipe Gallery #3	Submersible	3	10	514 Perkins Ave.
North Water Plant					
	Pump Name	Pump Type	Size"	GPM	Location
1	Raw	Vertical Turbine	10	1,390	2801 N. Holland Ave.
2	Raw	Vertical Turbine	12	3,305	2801 N. Holland Ave.
3	Raw	Vertical Turbine	12	3,305	2801 N. Holland Ave.
4	Raw	Vertical Turbine	12	3,305	2801 N. Holland Ave.
5	Raw	Vertical Turbine	12	2,780	2801 N. Holland Ave.
6	Raw	Vertical Turbine	12	2,780	2801 N. Holland Ave.
7	Transfer TA	Vertical Turbine	10	1,700	2801 N. Holland Ave.
8	Transfer TA	Vertical Turbine	12	2,340	2801 N. Holland Ave.
9	Transfer TA	Vertical Turbine	12	2,340	2801 N. Holland Ave.
10	Transfer TB	Vertical Turbine	10	1,625	2801 N. Holland Ave.
11	Transfer TB	Vertical Turbine	12	2,535	2801 N. Holland Ave.
12	Transfer TB	Vertical Turbine	12	2,535	2801 N. Holland Ave.
13	Transfer TC	Vertical Turbine	10	1,625	2801 N. Holland Ave.
14	Transfer TC	Vertical Turbine	12	2,535	2801 N. Holland Ave.
15	Transfer TC	Vertical Turbine	12	2,535	2801 N. Holland Ave.
16	HS Treated	Split Case	10	2,770	2801 N. Holland Ave.

17	HS Treated	Split Case	10	2,770	2801 N. Holland Ave.
18	HS Treated	Split Case	10	1,390	2801 N. Holland Ave.
19	HS Treated	Split Case	12	5,600	2801 N. Holland Ave.
20	HS Treated	Split Case	12	5,600	2801 N. Holland Ave.
21	HS Treated	Split Case	12	5,600	2801 N. Holland Ave.
22	Decant	Submersible	10	2,000	2802 N. Holland Ave.
23	Decant	Submersible	10	2,000	2803 N. Holland Ave.
24	Sludge	Submersible	3	500	2804 N. Holland Ave.
25	Sludge	Submersible	3	500	2805 N. Holland Ave.
26	Pipe Gallery #1	Submersible	1.5	5	2806 N. Holland Ave.
27	Pipe Gallery #2	Submersible	1.5	5	2807 N. Holland Ave.
28	Pipe Gallery #3	Submersible	1.5	5	2808 N. Holland Ave.

South Wastewater Plant

	Pump Name	Pump Type	Size"	GPM	Location
1	Influent	Self-Priming Gorman Rupp	10	6,700	906 S. Conway (Old Section)
2	Influent	Self-Priming Gorman Rupp	10	6,700	906 S. Conway (Old Section)
3	Influent	Self-Priming Gorman Rupp	10	6,700	906 S. Conway (Old Section)
4	Influent	Self-Priming Gorman Rupp	10	6,700	906 S. Conway (Old Section)
5	Influent	Self-Priming Gorman Rupp	10	6,700	906 S. Conway (Old Section)
6	Influent	Self-Priming Gorman Rupp	10	6,700	906 S. Conway (Old Section)
7	Grit	Screw Centrifugal pump WEMCO	4	150	906 S. Conway (Old Section)
8	Grit	Screw Centrifugal pump WEMCO	4	150	906 S. Conway (Old Section)
9	Pre-Treatment	Self-Priming Gorman Rupp	6	3,000	906 S. Conway (Old Section)
10	Pre-Treatment	Self-Priming Barmes	6	3,000	906 S. Conway (Old Section)
11	RAS	Hydrostac pump WEMCO	10	5,000	906 S. Conway (Old Section)
12	RAS	Hydrostac pump WEMCO	10	5,000	906 S. Conway (Old Section)
13	RAS	Hydrostac pump WEMCO	10	5,000	906 S. Conway (Old Section)
14	RAS	Hydrostac pump WEMCO	10	5,000	906 S. Conway (Old Section)
15	Non-Potable	Vertical Turbine FLOWserve	4	300	906 S. Conway (Old Section)
16	Non-Potable	Vertical Turbine FLOWserve	4	300	906 S. Conway (Old Section)
17	WAS	Hydrostac pump WEMCO	4	550	906 S. Conway (Old Section)
18	WAS	Hydrostac pump WEMCO	4	550	906 S. Conway (Old Section)
19	Sludge	Progresive Cavity Moyno	4	450	906 S. Conway (Old Section)
20	Sludge	Progresive Cavity Moyno	4	450	906 S. Conway (Old Section)
21	Thickner	Self-Priming Gorman Rupp	4	2,000	906 S. Conway (Old Section)
22	Thickner	Self-Priming Gorman Rupp	4	2,000	906 S. Conway (Old Section)
23	Thickner	Self-Priming Gorman Rupp	4	2,000	906 S. Conway (Old Section)
24	Holding Tank	Self-Priming Gorman Rupp	6	3,000	906 S. Conway (Old Section)
25	Holding Tank	Self-Priming Gorman Rupp	6	3,000	906 S. Conway (Old Section)
26	Sump	Goulds	2	20	906 S. Conway (Old Section)
27	Sump	Ybarra	1.5	10	906 S. Conway (Old Section)
28	Portable	Self-Priming Gorman Rupp	3	1,500	906 S. Conway (Old Section)

29	Portable	Self-Priming Gorman Rupp	3	1,500	906 S. Conway (Old Section)
30	Portable	Honda	4	1,500	906 S. Conway (Old Section)
31	Portable	Gorman Rupp	2	500	906 S. Conway (Old Section)
32	Portable	Gorman Rupp	2	500	906 S. Conway (Old Section)
North Wastewater Plant					
	Pump Name	Pump Type	Size"	GPM	Location
1	Influent	Submersible Flygt	10	3,000	906 S. Conway (New Section)
2	Influent	Submersible Flygt	10	3,000	906 S. Conway (New Section)
3	Influent	Submersible Flygt	10	3,000	906 S. Conway (New Section)
4	Influent	Submersible Flygt	10	3,000	906 S. Conway (New Section)
5	Grit	Screw Centrifugal pump WEMCO	4	150	906 S. Conway (New Section)
6	Grit	Screw Centrifugal pump WEMCO	4	150	906 S. Conway (New Section)
7	RAS	WEMCO	10	2,345	906 S. Conway (New Section)
8	RAS	WEMCO	10	2,345	906 S. Conway (New Section)
9	RAS	WEMCO	10	2,345	906 S. Conway (New Section)
10	Non-Potable	Self-Priming Pioneer	6	1,388	906 S. Conway (New Section)
11	Non-Potable	Self-Priming Pioneer	6	1,388	906 S. Conway (New Section)
12	WAS	WEMCO	4	500	906 S. Conway (New Section)
13	WAS	WEMCO	4	500	906 S. Conway (New Section)
14	Sludge	Progressive Cavity Seepex	8	800	906 S. Conway (New Section)
15	Sludge	Progressive Cavity Seepex	8	800	906 S. Conway (New Section)
16	Non-Potable	Vertical Turbine Flowserve	4	300	906 S. Conway (New Section)
17	WAS	Hydrostac pump WEMCO	4	550	906 S. Conway (New Section)
18	WAS	Hydrostac pump WEMCO	4	550	906 S. Conway (New Section)
19	Sludge	Progressive Cavity Moyno	4	450	906 S. Conway (New Section)
20	Sludge	Progressive Cavity Moyno	4	450	906 S. Conway (New Section)
21	Polymer	Seepex	1	10	906 S. Conway (New Section)