



HORIZONTAL CENTRIFUGAL (HCFV) PROPOSAL

BUYBOARD Contract # 529-17

**Flooded Suction Variable Speed Virtual Vision III Pumping System
U. L. Approved Package Pumping System Suitable For Three Phase Power**

**All Watertronics control panels meet or exceed the Federal Communications Commission, (FCC),
Standard #15 for emitted and conducted noise**

Customer:	Iron Horse GC	Date:	10-25-17
Attn:	Joe Pack	Quotation #:	05032017WS- IH-PA
Phone #:	817-427-6622	Project Name:	Iron Horse Pump Station A
Fax #:		Location:	North Richland Hills, TX
Email:	jpack@nrhtx.com	Quoted By:	Bobby Anderson – PTP andersonb@proturf.com 817-875-5791

STATION PERFORMANCE: 1000 GPM @ 110 PSI

POWER REQUIREMENT: Power shall be 480 volt, 3 phase, 60 hertz.

Note: See Power Supply in the Terms and Conditions Section below for further information

MODEL DESCRIPTION: HCFV-1-50x2/3VC-460-3-1000-115

Project Scope: Variable speed (VFD) flooded suction horizontal end suction centrifugal pump station with piping, valves and base painted. Pump station will incorporate **2** mains and one pressure maintenance pump. Station is proposed to be installed **inside** an **existing** weather resistant building, as furnished by the owner. Controls will be an industrial grade PLC incorporating a color touch screen operator interface device with software programming written specifically for this project—with information given at time of design or order. A formed and reinforced base platform supports all manifolding, pumps, motors and control panels to provide an integral unit ready to allow installing contractor to quickly install at the job site.

Note!! This Proposal was formulated to meet the customer supplied design specification identified by: Any differences in the specifications from the equipment outline within this proposal should be brought to the immediate attention of Watertronics for clarification

STANDARD FEATURES INCLUDE:

- U.L. listed NEMA 4 control panel assembly with **200 AMP** main disconnect and interior lighting package
- **Water to air heat exchanger OR air conditioner cooling** for control panel (**must choose**)
- Microprocessor controls with AccuWare station software to maintain constant pressure at variable flow
- VirtualVision II Color Touchscreen operator interface device with active matrix LCD display featuring:
 - Digital flow (GPM) and pressure (PSI) display
 - Both cumulative and resettable gallons pumped indicators
 - Pump ready/running status with elapsed run time display per pump
 - Flow-based pressure regulation to match discharge pressure with irrigation demand
 - Individual motor overload reporting
 - Minute by minute data logging saved to a removable flash RAM card
 - 32MB card to store approximately 12 months of data

- Historic & real time X-Y plotting of pump station operation
- Filter controls
- Alarm log file
- Ability to change system parameters such as setpoint pressure, time delays,
- Fertigation graphic and control interface when sold with a Watertronics EZ Feed Injection Package
- Alarm conditions w/safety shut down, condition time stamp & automatic diagnostic system:
 - Automatic re-pressurization after fault condition
 - Low discharge pressure shutdown
 - High discharge pressure shutdown
 - Individual motor overload/phase loss
 - VFD fault shutdown
 - High pump temp shutdown
- Time of use lockout controls for utilizing utility power company savings and avoiding demand charges (if available from power company)
 - ?? HP Variable Frequency Drive (VFD) sequenced between all main pumps, rated for the motor horsepower
 - Dual mechanical interlocking output contactors for auto-alternation of main pumps & manual override. X-line contactor is MSP breaker type motor protection w/electronic overload and rotary handle power disconnect.
 - Transient/surge protection package for 480/120/24 volt circuits
 - 2 ea. 50 HP, 3600 RPM open drip proof (ODP) motors
 - 2 ea. 50 HP, 3600 RPM horizontal centrifugal pumps. Pumps to be cast iron with a bronze impeller and mechanical seal
 - 3 HP, 3600 RPM vertical centrifugal pressure sustaining pump and open drip proof (ODP) motor
 - Individual pump isolation & check valve assemblies
 - 3" pressure relief valve with lug style butterfly isolation valve
 - Hose bib connection for washdown
 - Growsmart Mag Meter
 - Stainless steel pressure transducer
 - Station discharge isolation valve
 - 3-3/4" TOL's on discharge manifolding
 - Station inlet isolation valve
 - Structurally superior, *formed 3/8"* reinforced steel skid for mounting pumps, controls & piping
 - Steel grit blasting of pump station skid and all piping
 - Two part epoxy primer coat of all painted surfaces
 - Station skid, valves and all piping painted **Sandstone**
 - Baked & curing process of all primer coated and painted surfaces
 - Complete assembly, calibration and dynamic run test prior to shipment
 - **Electronic** operation and maintenance manual
 - Access to Watertronics, Inc. customer service technical phone support, technicians on call 24/7
 - Access to Watertronics, Inc. factory authorized service technician

ADDITIONAL EQUIPMENT & SERVICES INCLUDED WITH PUMP STATION:

- Pond Level controls for independent operation of well pumps
- 6" Auto Flush Wyes Strainer
- 5KVA transformer with CB panel

PUMP STATION PRICE (INCLUDES ALL OF ABOVE):	US Dollars	\$96,684.00
Removal of Existing Pump Station (no building work)		Included
Off Load & Set-Up Supervision (one day): Start-Up (one day):		Included
Crane To Off-Load and Set Pump Station		Included
Sales Tax		Not Included
Domestic US Freight from Factory to Job Site: FOB Factory		Included

Shipment: Estimated 8 weeks after receipt of signed contract and drawing approval. A firm delivery date will be established and transmitted within 5 days of receipt of all final details and documents

Terms and Conditions

DELIVERY AND SET-UP:

1. All reasonable efforts will be made to meet the requested delivery date after the receipt of a signed contract however; PTP and Watertronics will not be liable for delays in delivery.
2. Pump station components shipped separately from the station, at the Customer's request, may incur additional freight charges, payable by the Customer.
3. Customer will be responsible for having job site readily accessible for station delivery.
4. Customer will assist in providing equipment and personnel required to unload and/or set the pump station.
5. Station Set-up charges, if included, reflect one day on site. If more than one day is required, additional charges of \$1,000.00 per day will be assessed if the customer caused the delay.
6. Customer will be responsible for electrical permit if required.
7. Customer will be responsible for primary electrical hookup to pump station.
8. Customer will be responsible for making all piping connections to the pump station.
9. Customer will be responsible for building modifications (roof removal & installation) if required.
10. Customer will be responsible for wet well, slab, or concrete work.
11. Customer will be responsible for piping any wye strainer/filter flush line back to supply lake

START-UP:

- 1 Customer is responsible to guarantee the following before station calibration can be performed: a.) Permanent utility power is available and installed on pump station disconnect, b.) adequate water supply to operate station to full capacity, c.) installed irrigation system to be operate station to full capacity.
DOMESTIC (USA): Start-up charges include one day on site. If more than one day is required, additional charges of \$950.00 per day will be assessed if the customer caused the delay.
INTERNATIONAL DESTINATIONS: Final assembly and startup will be completed under the terms listed above. If the site is ready for startup i.e. power in place, site and infrastructure ready to run water the time allotted is adequate. Any delays due to events out of our control may incur additional charges. Charges include technician's time (\$950/day), travel fees, airline penalties, hotel, and meals.
2. Purchaser will notify PTP and Watertronics two weeks in advance of the desired start-up date.

WARRANTY:

1. Watertronics warrants its pump station products to be free of defects in materials and workmanship for a period of one (1) year from the date of startup, but not later than fifteen (15) months from the date of invoice, unless modified by customer with the selection of the extended warranty option. Stations deemed delivery complete and invoiced accordingly, at Watertronics' factory and stored there, shall have the warranty period commence as of the invoice date.
2. This warranty is limited to replacing or repairing any defective component at the sole option of Watertronics and does not apply to equipment that has been damaged, misapplied or has been modified in any way.
3. Regular scheduled maintenance is required to keep the pump station running in top condition. A minimum of two (2) scheduled preventative maintenance service calls must be performed during the warranty period for the warranty to remain in force. Scheduling and payment for maintenance shall be the responsibility of the owner. Any work performed on the pump station must be provided by its recognized service provider (Professional Turf Products) and documentation of all work performed within the warranty period must be on file at the factory. Any maintenance or repairs done without the pre-authorization of Watertronics or its recognized service provider shall void this warranty.
4. This warranty does not cover damages under the following conditions, unless otherwise specified in writing: (1) Lightning strikes, misapplied or inappropriate in-coming power, improper grounding, vandalism, or any incidental, consequential, or acts of God, (2) repairs or replacements made without the pre-authorization of Watertronics or its recognized service provider, (3) exposure to destructive gaseous or chemical solutions, (4) exposure to water pH levels of less than 6.0 which is typically the result of SO2 burner or sulfuric acid injection, (5) water salinity levels greater than 2000 parts per million, (6) water from a reverse osmosis process plant, (7) unusually high dirt load or abrasives in the water, or (8) pumping water not suitable for turf irrigation.
5. Watertronics or Professional Turf Products will not accept liability for any costs associated with the removal or replacement of equipment in difficult to access locations. This includes, but is not limited to, the use of cranes larger than 15 tons, scuba divers, barges, helicopters, or other unusual means. These extraordinary costs shall be borne by the owner, regardless of the reason necessitating removal of the product from service.
6. THIS WARRANTY IS ABSOLUTELY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES. THIS INCLUDES ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF WATERTRONICS.
NO AGENT, EMPLOYEE OR REPRESENTATIVE OF WATERTRONICS HAS ANY AUTHORITY TO BIND WATERTRONICS TO AN AFFIRMATION, REPRESENTATION OR WARRANTY CONCERNING THE PRODUCT SOLD UNDER THIS WARRANTY. THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF.

POWER SUPPLY:

1. **The pump station proposed herein is designed for 480 volt, WYE configured or closed delta balanced 3 phase power. The acceptable range of voltage is 455 volts (min) – 495 volts (max). Unless specifically stated under Optional Equipment, open delta, phase converter, or other forms of unbalanced three phase power are not acceptable.**
2. If the supply voltage is not within this acceptable range, the purchaser is responsible for making the necessary corrections. This may include re-tapping or replacing the primary transformer. If the supply voltage is outside the stated range, electrical components such as VFD's, fuses, breakers, overloads, motors, power supplies may intermittently trip or prematurely fail and will not be considered for warranty coverage.
3. The use of generator power is not recommended. If a generator is required as a temporary power supply, the pump station will be covered under Watertronics' limited warranty provided that their "Engine Driven Generator Power Warranty Policy and Operation Guidelines" document is strictly adhered to.
4. Proper electrical grounding of the pump station is a requirement. Station will not operate properly and could pose a health hazard if not properly grounded. Failures of any magnitude due to improper grounding will not be covered under warranty.

PAYMENT TERMS: U. S. Dollars Only.

1. All purchase orders are subject to acceptance at factory in Hartland, Wisconsin. Receipt of Production deposit, verification of acceptable credit and confirmation of order are required before production. On domestic orders of \$100,000 or less, a 25% production deposit is required to initiate the order with the balance due net 30 days from date of final invoice. **Orders over \$10,000 require a 50% production deposit.** For international orders, either an Irrevocable Letter of Credit (ILC) drawn on a U.S. Bank, with all costs of the ILC borne by the purchaser, is required for the full amount of purchase at time of order, or a 50% cash deposit with order and the remainder paid in cash when product is stated ready for shipment.
2. Late fee of 1.5% per month will be added to any balance due after thirty (30) days from the date of invoice. All payments and/or credits are applied to the outstanding balance before computing a finance charge.
3. In the event the customer cannot take delivery on the requested date, delivery shall be deemed completed, and the warranty period shall commence, at Watertronics' factory with storage for future shipment. For the purpose of payment, eighty (80) percent of the contract price will be due, payable net 30 days from invoice. The customer will be responsible for storage and handling charges at the factory. A minimum charge of \$200 per week will apply, with total storage charges added to the final invoice.

OTHER INFORMATION:

1. Prices valid for sixty (60) days from the date of this proposal.
2. State and local sales taxes are not included in these prices.
3. Seller retains a security interest in the above mentioned equipment as provided by the UNIFORM COMMERCIAL CODE, until payment is received in full.
4. All claims for incorrect deliveries must be submitted in writing to Watertronics Customer Service within 15 days after receipt of goods.
5. All claims for price discrepancy must be submitted in writing to Watertronics Customer Service within 60 days after receipt of goods.
6. A completed pump station may not be returned to Watertronics for credit.

CHANGE ORDERS:

1. Change Orders initiated by parties outside of Watertronics, after an order has been entered, may require additional charges to the purchaser regardless of the reason or initiating party. A minimum administrative fee of \$ 150.00 will be charged.
 - a. Lost engineering and order administration time will be charged to the purchaser at \$150.00 per hour.
 - b. Purchase orders to vendors perfected by Watertronics made invalid by the Change Order will incur charges against the purchaser equal to any penalties levied against Watertronics. To include, re-stocking charges, lost freight charges or return goods freight charges and any vendor administrative costs.
 - c. Watertronics lost manufacturing time will be charged to the purchaser at \$100.00 per hour. Additional labor to satisfy the Change Order will be estimated at \$100.00 per hour and added to the total Change Order amount.
 - d. Materials made unusable or scrapped because of the Change Order will be charged to the purchaser at actual sale value as originally assigned to the job. Replacement materials or goods will be valued as required by the Change Order and be shown in its total.

ACCEPTANCE TERMS:

1. Purchaser hereby agrees that in the event of default in the payment of any amount due, that if this account is placed in the hands of an attorney, or agency for collection or legal action, to pay any and all related attorney's fees, costs of collection including agency, private process servers fees, court costs, etc., incurred and any other costs of collection permitted by the laws governing these transactions. **Terms are subject to final credit approval.**
2. Equipment cancelled before completion will incur restocking charges that will be calculated at time of cancellation. Restocking fees may be the full cost of the pump station depending on the nature of the pump station that is cancelled.
3. Equipment shipped separately from the station, at Purchaser's request, may incur additional freight charges, payable by Purchaser.

4. Delayed deliveries by the customer once equipment is ready to ship, will incur minimum storage charges of \$200 per week, added to the final invoice.

ACCEPTED BY:

Company Name: _____ By: _____

Print Name: _____ Title: _____

Signature Date: _____ Requested Delivery Date: _____

Is this sale taxable? (circle one) Yes No (If the order is non-taxable, a tax exempt certificate for the "ship to" state must be submitted with this order).

Please Return One Signed Copy of This Quotation On Acceptance. Merchandise delivered or shipped is due and payable to: Professional Turf Products, 1010 N. Industrial Blvd, Euless, TX 76039.

Fax number: 817-785-1901 Phone 817-785-1900.

BILL TO INFORMATION:

Company Name: _____ Phone: _____ Fax: _____ Email Address _____

Billing Address: _____ City: _____ State: _____ Zip Code: _____

Contact Name (Print): _____ Title: _____

SHIP TO INFORMATION:

Company Name: _____ Phone: _____ Fax: _____

Shipping Address: _____ City: _____ State: _____ Zip Code: _____

Contact Name (Print): _____ Title: _____ Phone : _____

Thank you for the opportunity to quote on your pump station needs. If you have any questions or require further information, please call us at 817-785-1900.