

**RE: City of Coconut Creek Wiles Road Pump 3 Replaces ID#3416 - Fiberglass Enclosed Irrigation Pump Station**

Hoover Pumping Systems will furnish one Hoover model **HCF-7.5PDV-230/1-MR3WG-E24-Z** 7.5 HP Single Centrifugal Variable Frequency Drive (VFD) Hooverflow Pump Station specifically designed for this project with the following features:

- Deliver an estimated 60 GPM @ 55 PSI at the station discharge at 10' Lift.
- 4 ft x 6 ft Hoover reinforced pump enclosure with:
 - Ultraviolet and chemical-resistant forest green fiberglass (Painted or Powder Coated Steel Not Acceptable)
 - Lockable corrosion-resistant stainless steel hardware
 - Ventilation for motors and controls
 - Hinged access cover with gas-filled support shocks
- UL listed self-diagnostic Hooverflow VFD control system specifically configured for this project includes:
 - Hooverflow controls to sequence pump start and retirement using mag flow sensing to operate pumps as close as possible to best efficiency point
 - An individual, dedicated VFD for each motor
 - Consistent pressure control throughout design flow range
 - 4G Cell Modem with remote power reboot capability
 - Stainless Steel NEMA 4 panel to guard against dust, insects, and moisture
 - User friendly web interface
 - Supervisory controls and monitoring with automatic alerts capability
 - Soft ramp-up and ramp-down
 - Current, phase, and voltage protection
 - VFD fault protection
 - VFD forced air cooling
 - Loss of Prime protection
 - Motor O/L and thermal protection
 - Transient surge protection
 - Industrial UPS to guard electronics
- Hoover Flowguard® Internet-based water management system, remote operation, history, 24/7 email notifications of problems, flow and pressure graphs, water use reports and permit compliance, settable water and maintenance windows. Includes shut-off valve with local bypass for maintenance, one year communication plan, remotely managed rain gauge.
- Single 7.5HP Centrifugal Pump with flanged suction and discharge connections (threaded connections not acceptable). Includes Premium -efficiency, dust and water resistant, Totally Enclosed Fan Cooled (TEFC) motor (Open Drip Proof (ODP) motor not acceptable).
- 2" Corrosion-resistant discharge header includes:
 - Hot-dipped galvanized grooved pipe and fittings (Painted or Powder Coated Steel Pipe and Fittings Not Acceptable)
 - Bronze disk discharge maintenance isolation valve
 - Epoxy coated cast iron magnetic flow meter with no moving parts to control pump sequencing, resulting in longer equipment life and lower operating cost (Insertion Type Flow Meter Not Acceptable)
 - 2" Epoxy coated cast iron solenoid shut off, PSI transducer valve.
- 4 ft x 6 ft Hot-dipped galvanized structural steel skid (painted steel not acceptable) placed on Hoover installed (5 ft x 7 ft size) reinforced concrete pad
- Pressure tank assembly that saves energy and extends the service life of variable frequency drive, pump motor and irrigation system fittings. Hoover-designed, adequately sized pressure tank system reduces typical pump start frequency that occurs due to normally expected irrigation field leaks.



Company: City of Coconut Creek Public Works
Attention: Brian Rosen

RE: City of Coconut Creek Wiles Road Pump 3 Replaces ID#3416 - Fiberglass Enclosed Irrigation Pump Station

- 3" Corrosion-resistant pump station discharge line includes:
- Hot-dipped galvanized grooved pipe and fittings (Painted or Powder Coated Steel Pipe and Fittings Not Acceptable)
- Galvanized steel pipe below grade for irrigation main line tie-in by Hoover
Well install up to 10 ft of 3 inch corrosion-resistant hot-dipped galvanized suction piping from pump station to galvanized swing check valve at well tee. Hoover to install well tee that includes stainless steel screen on top of well. Suction Line Installer to prime pump prior to start up.
Hoover Flowguard Multi Wire 15 Station Controller, expandable to 96 zones, SS NEMA 4 enclosure on galvanized stand, Industrial UPS & 4G Modem, 1yr cell service, power surge protection, controller grounding, power supplied when pump station or POC is within 10', PC & Mobile App access, complete installation and test.
Removal and offsite disposal of the existing station.
First year of Flowguard preventative maintenance included.
The customer is responsible for landscape and hardscape repairs.
The customer is responsible for the electric connection.
One service call to perform initial Startup and Calibration.

Pump Station - Lump Sum Price: \$46,002.89

Note: Electrical service, additional suction footage, and permits are not included. Priming of pumps on customer installed suction lines not included. Backflow protection of water source not included. 230V open-delta 3-phase may require an increase in electrical equipment size. F.O.B. Broward County.

This PROPOSAL/CONTRACT will EXPIRE on June 30, 2024.

TERMS: Deposit of 35% is due with signed contract prior to commencement. Payments are due within 20 days of invoice date. Interest will be due and shall accrue at the rate of 1 1/2% per month compounded on any overdue amount. RETAINAGE WILL NOT BE WITHHELD FROM PAYMENTS DUE. Collection costs, including attorney's fees, will be due in the event of nonpayment. By execution of this Proposal/Contract, customer agrees to and understands that this Proposal/Contract incorporates the Hoover Pumping Systems Terms and Conditions of Sale.

Please call if pump performance or other features do not meet project criteria. Thank you for your consideration.

Sincerely,
HOOVER PUMPING SYSTEMS

[Handwritten signature of Kim Hudak]

Accepted by:
City of Coconut Creek Public Works

Kim Hudak
January 22, 2024

Signature / Name Printed / Date

**RE: City of Coconut Creek Pine Creek Greenway Replaces ID#6074 - Fiberglass Enclosed Irrigation Pump Station**

Hoover Pumping Systems will furnish one Hoover model **HCF-5PDV-230/1-MR3WG-E24-Z** 5 HP Single Centrifugal Variable Frequency Drive (VFD) Hooverflow Pump Station specifically designed for this project with the following features:

- Deliver an estimated 60 GPM @ 55 PSI at the station discharge at 10' Lift.
- 4 ft x 6 ft Hoover reinforced pump enclosure with:
 - Ultraviolet and chemical-resistant forest green fiberglass (Painted or Powder Coated Steel Not Acceptable)
 - Lockable corrosion-resistant stainless steel hardware
 - Ventilation for motors and controls
 - Hinged access cover with gas-filled support shocks
- UL listed self-diagnostic Hooverflow VFD control system specifically configured for this project includes:
 - Hooverflow controls to sequence pump start and retirement using mag flow sensing to operate pumps as close as possible to best efficiency point
 - An individual, dedicated VFD for each motor
 - Consistent pressure control throughout design flow range
 - 4G Cell Modem with remote power reboot capability
 - Stainless Steel NEMA 4 panel to guard against dust, insects, and moisture
 - User friendly web interface
 - Supervisory controls and monitoring with automatic alerts capability
 - Soft ramp-up and ramp-down
 - Current, phase, and voltage protection
 - VFD fault protection
 - VFD forced air cooling
 - Loss of Prime protection
 - Motor O/L and thermal protection
 - Transient surge protection
 - Industrial UPS to guard electronics
- Hoover Flowguard[®] Internet-based water management system, remote operation, history, 24/7 email notifications of problems, flow and pressure graphs, water use reports and permit compliance, settable water and maintenance windows. Includes shut-off valve with local bypass for maintenance, one year communication plan, remotely managed rain gauge.
- Single 5HP/3ph Centrifugal Pump/ODP Motor Assembly
- 2" Corrosion-resistant discharge header includes:
 - Hot-dipped galvanized grooved pipe and fittings (Painted or Powder Coated Steel Pipe and Fittings Not Acceptable)
 - Bronze disk discharge maintenance isolation valve
 - Epoxy coated cast iron magnetic flow meter with no moving parts to control pump sequencing, resulting in longer equipment life and lower operating cost (Insertion Type Flow Meter Not Acceptable)
 - 2" Epoxy coated cast iron solenoid shut off, PSI transducer valve.
- 4 ft x 6 ft Hot-dipped galvanized structural steel skid (painted steel not acceptable) placed on Hoover installed (5 ft x 7 ft size) reinforced concrete pad
- Pressure tank assembly that saves energy and extends the service life of variable frequency drive, pump motor and irrigation system fittings. Hoover-designed, adequately sized pressure tank system reduces typical pump start frequency that occurs due to normally expected irrigation field leaks.



Company: City of Coconut Creek Public Works
Attention: Brian Rosen

RE: **City of Coconut Creek Pine Creek Greenway Replaces ID#6074 - Fiberglass Enclosed Irrigation Pump Station**

- 3" Corrosion-resistant pump station discharge line includes:
 - Hot-dipped galvanized grooved pipe and fittings (Painted or Powder Coated Steel Pipe and Fittings Not Acceptable)
 - Galvanized steel pipe below grade for irrigation main line tie-in by Hoover
- Well install up to 10 ft of 3 inch corrosion-resistant hot-dipped galvanized suction piping from pump station to galvanized swing check valve at well tee. Hoover to install well tee that includes stainless steel screen on top of well. Suction Line Installer to prime pump prior to start up.
- Hoover Flowguard Multi Wire 21 Station Controller, expandable to 96 zones, SS NEMA 4 enclosure on galvanized stand, Industrial UPS & 4G Modem, 1yr cell service, power surge protection, controller grounding, power supplied when pump station or POC is within 10', PC & Mobile App access, complete installation and test.
- Removal and offsite disposal of existing station.
- First year of Flowguard preventative maintenance included.
- **The customer is responsible for landscape and hardscape repairs.**
- **The customer is responsible for the electric connection.**
- One service call to perform initial Startup and Calibration.

Pump Station - Lump Sum Price: \$46,150.12

Note: Electrical service, additional suction footage, and permits are not included. Priming of pumps on customer installed suction lines not included. Backflow protection of water source not included. 230V open-delta 3-phase may require an increase in electrical equipment size. F.O.B. Broward County.

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Sincerely,
HOOVER PUMPING SYSTEMS

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Kim Hudak
January 22, 2024

Signature / Name Printed / Date