

LINE ITEM	ITEM CODE	ITEM DESCRIPTION	UoFM	QUANTITY	UNIT PRICE	EXTENSION
REQUIRED						

1	G-1	Mobilization and Demobilization	L.S.	1		0
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Base Bid

This work item shall include mobilization, demobilization, permitting, bonds, and insurance costs associated with the Project. This shall include furnishing all labor, materials, tools, equipment, and incidentals required to mobilize, demobilize, bond, and insure the Work for the Project in accordance with the Contract Documents, complete in place.

2	I-1	Retrofitting Existing Ponds	L.S.	1		0
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Base Bid

This work includes the retrofitting of all existing ponds, including but not limited to, demolition of existing valves, actuators, piping and control panels; the installation of new ductile iron piping, new gate valves, new actuators, and pond level control mechanisms including communications, wiring, cabling, terminations, equipment, and instruments; the installation of new control panels and associated wiring; the installation of conduit and fiber from the pump station to at least the existing recharge ponds (27), proposed recharge ponds (12), existing production wells (16), and future production wells (8); and the calibration of installed instruments and any associated electrical work.

3	D-1	Pump Station I&C	L.S.	1		0
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Base Bid

This work includes all additions and modifications to the existing Pump Station to incorporate automation for the wells and the five existing pumps, including but not limited to, demolition of existing fiber panel, existing PLC panel, abandoned-in-place panels, and existing pump motor manager equipment; installation of new E300 motor control equipment for the five existing pumps; installation of a new control panel consisting of PLC control components, power distribution equipment, and network equipment; installation of a new 480V circuit to power the new control panel; installation of communication cabling and conduit from the new control panel to the new E300 motor control equipment; termination of fiber from the new well control panels to the new control panel network equipment; rerouting and retermination of existing fiber from the demolished fiber panel to the new control panel network equipment; rerouting and retermination of existing system I/O wiring from the demolished PLC panel to the new control panel PLC terminal blocks.

4	C-1	Construction of Pond P9	L.S.	1	0
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Base Bid

This work item includes the construction of Pond P9, including but not limited to, the bulk excavation of the trench and pond; the relocation of excavated soil to designated spoil areas; the installation of a new monitoring manhole; the installation of level control mechanisms including communications, wiring, cabling, terminations, equipment and instruments; the installation of new piping; the filling of trench with stone as specified in the Details; the installation of a tapping sleeve and valve; the installation of new recharge valve vault and accessories; the installation of the access ramps; the installation of headwalls; the installation of instrumentation conduit, wiring, control panel and associated connections to equipment; the calibration of installed instruments; and any associated electrical work.

Mandatory

5	A-1	Pond P10	L.S.	1	0
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Alternate 1

This work item includes the construction of Pond P10, including but not limited to, the bulk excavation of the trench and pond; the relocation of excavated soil to designated spoil areas; the installation of a new monitoring manhole; the installation of level control mechanisms including communications, wiring, cabling, terminations, equipment and instruments; the installation of new piping; the filling of trench with stone as specified in the Details; the installation of a tapping sleeve and valve; the installation of new recharge valve vault and accessories; the installation of the access ramps; the installation of headwalls; the installation of instrumentation conduit, wiring, control panel and associated connections to equipment; the calibration of installed instruments; and any associated electrical work.

Mandatory

6	A-2	Pond P11	L.S.	1	0
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Alternate 2

This work item includes the construction of Pond P11, including but not limited to, the bulk excavation of the trench and pond; the relocation of excavated soil to designated spoil areas; the installation of a new monitoring manhole; the installation of level control mechanisms including communications, wiring, cabling, terminations, equipment and instruments; the installation of new piping; the filling of trench with stone as specified in the Details; the installation of a tapping sleeve and valve; the installation of new recharge valve vault and accessories; the installation of the access ramps; the installation of headwalls; the installation of instrumentation conduit, wiring, control panel and associated connections to equipment; the calibration of installed instruments; and any associated electrical work.

Mandatory

7 A-3 Pond P12 L.S. 1 0

Alternate 3

This work item includes the construction of Pond P12, including but not limited to, the bulk excavation of the trench and pond; the relocation of excavated soil to designated spoil areas; the installation of a new monitoring manhole; the installation of level control mechanisms including communications, wiring, cabling, terminations, equipment and instruments; the installation of new piping; the filling of trench with stone as specified in the Details; the installation of a tapping sleeve and valve; the installation of new recharge valve vault and accessories; the installation of the access ramps; the installation of headwalls; the installation of instrumentation conduit, wiring, control panel and associated connections to equipment; the calibration of installed instruments; and any associated electrical work.

Mandatory

8 A-4 Pump Station Rehab L.S. 1 0

Alternate 4

This work includes all modifications to the existing Pump Station, including but not limited to, the installation of a new vertical turbine pump including supports and wiring, the installation of a new magnetic flowmeter including supports and wiring, the installation of a new pump control valve including supports and wiring, the installation of new raw water lines including supports and tie-ins to the existing system. The work at the Pump Station also includes demolition of existing louvers, exhaust fans, and unit heaters; the installation of new exhaust fans including supports, controls, and wiring; the installation of vertical electric unit heaters including supports, controls, and wiring; the demolition of existing standing seam metal roof system, sheeting, insulation, skylights, curb, flashing, linear lighting system, gutters, and downspouts; the installation of a new standing seam metal roof with gutters and downspouts; the installation of a thermal insulation vapor barrier, sheeting, and coverboard roof system; the installation of new snow guards; the installation of roof fall protection; the installation of skylights, curb, and flashing; the installation of roof liner panels; and the installation of fire extinguishers. Additionally, this work includes the modifications to the existing mixing chamber.

Mandatory

9 A-5 Contingency Allowance (10%) L.S. 1 0

This item shall be reserved as a contingency for use during construction of the Project. Use of the contingency allowance shall only be authorized by the Owner for the changes in the Work following the procedures for change orders in accordance with the City of Dayton Construction and Materials Specifications, most recent edition. The contingency shall be applied to all base bid items as well as Alternate No.1, Alternate No.2, Alternate No. 3, and Alternate No. 4. For contract award the amount of this "Contingency Allowance" shall be ten percent (10%) of the Contractor's total base bid including those alternates (Alternate No.1, Alternate No.2, Alternate No. 3 and/or Alternate No. 4) the City elects to include.