

CITY OF CRAWFORD

135 Elm Street
CRAWFORD, NEBRASKA 69339

Water Dept: (308) 665-1300
Fax: (308) 665-2441

NOTICE TO BIDDERS

City Pool Heater Replacement

The City of Crawford Nebraska is requesting bids/proposals for a pool heater replacement at the Crawford City pool, located at 905 First Street, Crawford, NE 69339. Bids/proposals and Requests for Information (RFI) should be sent via email to butlercityclerk@bbc.net or via mail to the City of Crawford, C/O City Clerk, 135 Elm Street, Crawford, Nebraska 69339. Telephone inquiries can be made to Julia Butler, City Clerk, at 308-665-1462. RFI's must be submitted by June 20, 2024 and bids/proposals must be received by June 28, 2024 at 2:00 p.m.

Lump Sum Bid – Removal and replacement of existing pool heater/boiler. Contractor is to furnish all materials and labor. **THIS MUST BE A CLOSED HEATING SYSTEM.**

REMOVAL – Remove existing pool heater/boiler and any associated piping requiring replacement. Contractor is responsible for removal from the jobsite and disposal.

INSTALLATION -- Install one new Lochinvar CPN1262 natural gas, high efficiency, commercial pool heater including the following:

- Cupro-Nickel heat exchanger (ASME certified)
- Smart System control for precise temperature control and system diagnostics
- Proportional firing up to 4:1 turn down
- Automatic pumped bypass
- Bronze circulating pump
- Inlet and outlet temperature sensors
- Inlet and outlet pressure gauges
- Flow switch
- Low water cut off
- 150PSI relief valve an overflow piping
- Gas piping with Schedule 40 black steel pipe and fittings
- Reconnect the high voltage electrical wiring

Boiler Piping Connections

- Install 2½" CPVC inlet and outlet piping with companion flanges and ball valves.
- Connect inlet and outlet piping to 3" sub loop piping with 3" bypass valve using CPVC pipe and fittings

- Install new 3” main loop piping with 3” piping to connect inlet piping from the pool filter connection and 3” piping to connect to the pool outlet with CPVC pipe and fittings

Type B flue piping – directaire vertical

- Install 12” Type B flue piping through the roof, including flashing, storm collar, Type B pipe and Type B top, connect flue from the boiler to the Type B flue with 26 gauge single wall vent pip and fittings to maintain clearance to combustibles

Combustion air inlet piping – Directaire vertical

- Install 12” combustion air duct piping through the roof, including flashing, storm collar, Type B piing and combustion air inlet top, connect from combustion air inlet on the boiler to the Type B inlet with 26 gauge single wall vent piping and fittings.

System start-up and check out, including:

- Initial start-up and check gas pressure and adjust, preliminary flow adjustments
- Follow up when water gets to temperature, verify system flow rates and check operation of the Smart System control

ALL PROPOSED PRODUCT SUBSTITUTIONS MUST EQUAL OR EXCEED THE SPECIFIED PRODUCTS. THIS MUST BE A CLOSED HEATING SYSTEM. REQUESTS MUST BE APPROVED PRIOR TO CONTRACTOR SUBMITTING A BID/PROPOSAL OR WILL BE SUBJECT TO REJECTION.

SUBMITTALS - A SUBMITTAL FOR THE POOL HEATER UNIT SHOULD BE SUPPLIED PRIOR TO COMMENCEMENT OF THE PROJECT AND MUST BE APPROVED PRIOR TO ITS PROCUREMENT.

CLOSE OUT DOCUMENTS - A MANUFACTURERS CERTIFICATE OF WARRANTY MUST BE SUPPLIED AFTER PROJECT COMPLETION AND FINAL PUNCH/INSPECTION BY CONTRACTOR AND CITY OF CRAWFORD STAFF. ANY APPLICABLE OPERATION AND MAINTAINENCE MANUALS SHOULD BE SUPPLIED PRIOR TO FINAL PAYMENT.