

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. 1 DATED 6/18/2007 ADDENDUM NO. _____ DATED _____
ADDENDUM NO. _____ DATED _____ ADDENDUM NO. _____ DATED _____

Number Description
1 Add section 00 91 13; revised section 22 13 43; requires an addendum diskette.

TOTAL ADDENDA: 1
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

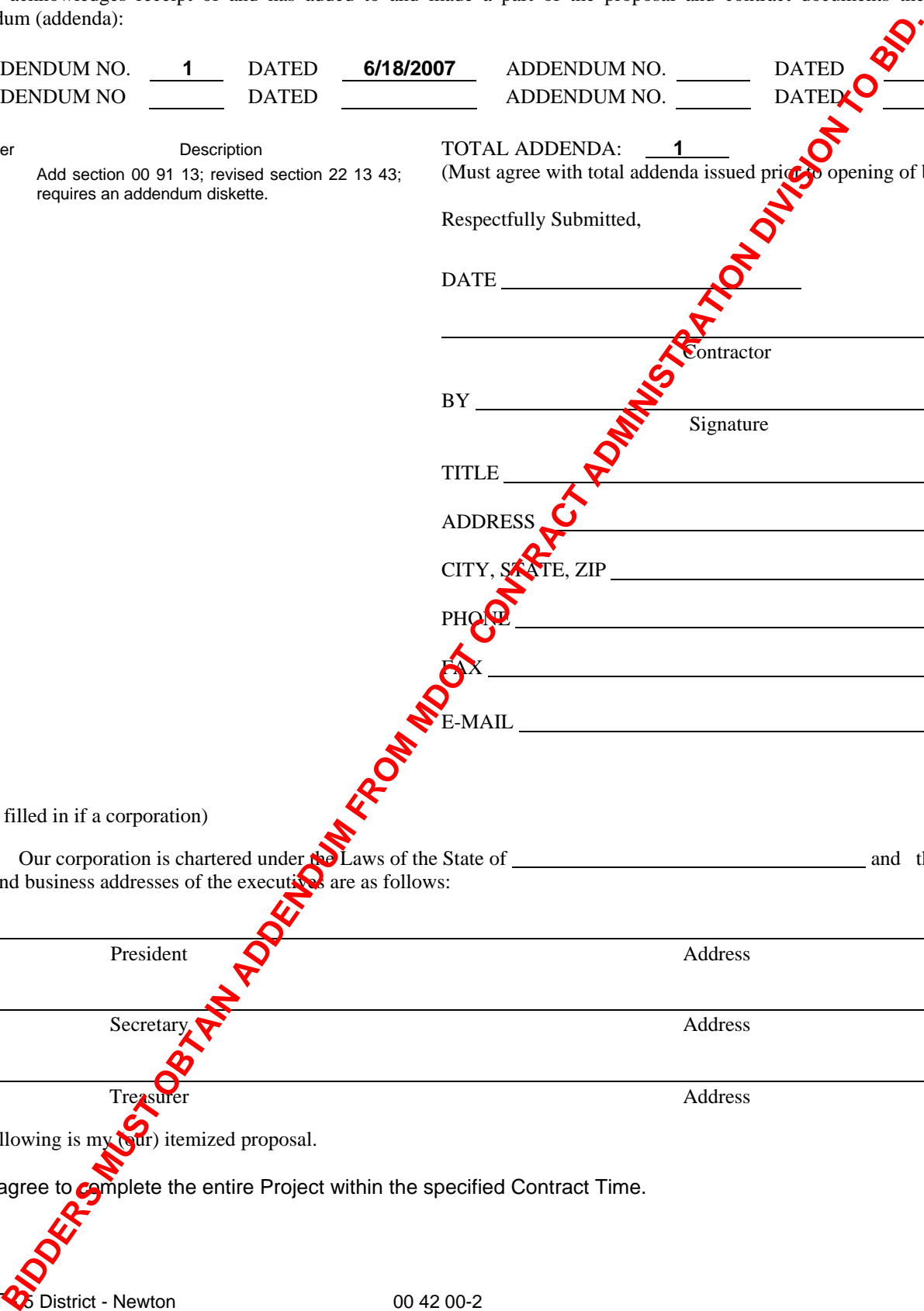
(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

President	Address
Secretary	Address
Treasurer	Address

The following is my (our) itemized proposal.

I (We) agree to complete the entire Project within the specified Contract Time.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**ADDENDUM No. 1
SECTION 00 91 13**

DATE: 06-18-07

PROJECT: TIE-IN TO CITY OF NEWTON SEWER SYSTEM
FOR DISTRICT FIVE HEADQUARTERS COMPLEX
AT NEWTON, NEWTON COUNTY, MISSISSIPPI

PROJECT NUMBER: LWO-5001-51(002) 501642

PART 1 GENERAL

- 1.01 DESCRIPTION: Bidders are hereby advised that the following changes are to be made to this Contract.
- 1.02 SPECIFICATIONS
- A. Delete existing Specification Section 22 13 43 – Facility Packaged Sewage Pumping Stations in its entirety and add the attached Specification Section 22 13 43 – Facility Packaged Sewage Pumping Stations.
- 1.03 DRAWINGS
- A. No changes.

PART 2 PRODUCTS
Not Used

PART 3 EXECUTION
Not Used

END OF SECTION

SECTION 22 13 43

FACILITY PACKAGED SEWAGE PUMPING STATIONS

PART 1 - GENERAL

- 1.01 RELATED DOCUMENTS: All work specified in this Section is subject to the provisions of Section 22 05 10 "Plumbing General Requirements".
- 1.02 DESCRIPTION OF WORK:
- A. Firms regularly engaged in manufacture of sewage pumping systems with characteristics, sizes, and capacities required, whose products have been in satisfactory use in similar service for not less than five (5) years.
 - B. UL AND NEMA Compliances - Provide electric motors, control panels, and electrical components required as part of booster pump equipment, which have been listed and labeled by Underwriters Laboratories and comply with NEMA standards.
 - C. NEC Compliance - Comply with National Electrical Code (ANSI/NFPA 70) as applicable to installation and electrical connections of ancillary electrical components of plumbing equipment.

PART 2 - PRODUCTS

- 2.01 SEWAGE PUMPS: The Contractor shall furnish a packaged low pressure sewage system and install as shown on the Drawings. Packaged system shall include Hydromatic Pumps Model HPGF300M3/4-4 duplex sealed submersible grinder pumps. Each pump shall have a capacity of 100 GPM at 30 ft. total head. Each pump shall be furnished with a 2" discharge. The pump casing shall be of high tensile strength cast iron. The impeller shall be brass multi-vane, semi-open, non-overloading design. The impeller shall be hydraulically and statically balanced at the factory. The combination centrifugal pump impeller and grinder unit shall be attached to the common motor pump shaft made of 416 stainless steel. The grinder unit shall be on the suction side of the pump impeller and discharge directly into the impeller inlet leaving no exposed shaft to permit packing of ground solids. The grinder shall be capable of grinding all materials found in normal domestic sewage, including plastics, rubber, sanitary napkins, disposable diapers, and wooden articles into a finely ground slurry with particle dimensions no greater than ¼ inch. Both stationary and rotating cutters shall be 440C stainless steel hardened to Rockwell 60C and ground to close tolerance. The upper (axial) cutter and stationary cutter ring shall be reversible to provide new cutting edges to double life. An automatic alternator shall be furnished on duplex pumps to allow the pumps to alternate on each successive cycle of operation. The pumps are to be driven by a 3 horsepower, 240 volt, 3 phase, 60 hertz, 1750 RPM sealed submersible motor equipped with heat sensors. Equipment shall be Hydromatic Pumps "Hydr-O-Grind" Packaged Sewage System or approved equal.
- 2.02 DUPLEX HYDR-O-RAIL SYSTEM: Provide a hydr-o-rail lift-out system for each pump with ball check valve and sealing flange assembly, guide rails, gate valves and gate valve extensions. Discharge from station shall be fitted with NPT coupling(s). All piping external to the station shall be furnished and installed by the contractor.
- 2.03 SUMP BASIN: Sump basin: Fiberglass 60" diameter x 120" deep with steel gas tight cover plate complete with vent, and manholes for duplex pump installation.

2.04 CONTROLS:

- A. Control panel (1) NEMA 4x enclosure complete with starters, high water alarm light and horn with silencing switch, lightning suppression, remote alarm contactors, dead front, run lights and power lights.
- B. Provide four (4) mercury float switches equal to Hydromatic Model 3900 as shown on drawings to control pumps.

2.05 OPERATION OF SYSTEM:

- A. On sump level rise lower switch shall first be energized, then upper level switch shall next energize and start lead pump. With lead pump operating, sump level shall lower to low switch turn-off setting and pump shall stop. Alternating relay shall index on stopping of pump so that lag pump will start first on next operation and become lead pump. If sump level continues to rise when lead pump is operating, override switch shall energize and start lag pump. Both lead and lag pump shall operate together until low level switch turns off both pumps. If level continues to rise when both pumps are operating, alarm switch shall energize and signal the alarm. If one pump should fail for any reason, the second pump shall operate on the override control and if level rises above override control, alarm shall signal. All level switches shall be adjustable for level setting from the surface.

PART 3 - EXECUTION

3.01 INSTALLATION:

- A. Pumps shall be installed as per manufacturer's written instructions.
- B. Sewage pumps shall be field tested by the pump manufacturer's representative in the presence of the Owner/Engineer to verify that the system is operating satisfactorily. Owner/Engineer shall be notified seven (7) days in advance of any such tests.

3.02 ADJUSTING AND CLEANING:

- A. Check alignment, and where necessary, realign shafts of motors and pumps within recommended tolerances by manufacturer, and in presence of manufacturer's service representative.
- B. Lubricate pumps before startup if required by manufacturer. Startup shall be in accordance with manufacturer's instructions.
- C. Clean factory finished surfaces. Repair any marred or scratched surfaces with manufacturer's touch up paint.

3.03 STARTUP:

- A. Provide the services of a factory engineer, for a minimum of one half day to train Owner's personnel in the operation and maintenance of the sewage pump system and to assist in startup of system.
- B. System shall be operated under loads similar to anticipated demands of the system.

- 3.04 WARRANTY: Sewage pump system shall be warranted against defects in material or workmanship for a minimum of one (1) year from date of installation.

END OF SECTION