PUBLIC WORKS DEPARTMENT MEMORANDUM # 2015 - 24

DATE: April 27, 2015

TO: Honorable Mayor Joyce Downing and City Council Members

FROM: John Pick, City Manager

David Willett, Director of Public Works

SUBJECT: Council Resolution 54

Fox Run Lift Station Submersible Pumps

BACKGROUND

The Fox Run Lift Station was constructed in 1996 and has been in service for the past 19 years. It pumps wastewater from the entire Fox Run development to Lift Station A. The station has three 30-horsepower nonclog submersible pumps that are currently in need of replacement. The existing pumps were manufactured by the EBARA Company. It was recommended that they be replaced with current model EBARA pumps with an improved, clog-resistant impeller design.

On March 18, 2015, Northglenn issued an Invitation for Bid for the Fox Run Lift Station Submersible Pumps. The question period ended on March 23, 2015 and one addendum was issued on March 24, 2015.

On March 31, 2015, four bids were received from Bhayana Brothers, Denver Winpump Company, Filtmore Technologies, and Superior Sales. All bidders acknowledged the addendum. The low bidder was Superior Sales, with a bid of \$41,961.00. The bid was checked for errors and omissions and none were found. Staff recommends award of this purchase to Superior Sales.

BUDGET/TIME IMPLICATIONS

If approved, the purchase would be paid out of the Public Works Department/Water and Wastewater Fund/Capital Outlay/Capital Equipment account. The current budget appropriations versus expenditures, to date, are shown in the table below.

W/WW Capital Equipment Purchases To Date	Appropriation	Expenditure
Backhoe - Distribution & Collection	\$190,000	\$170,956
Pickup Truck – Engineering Water	\$32,000	\$27,803
Jet Vac Truck – Distribution & Collection	\$350,000	\$350,000
Lift Station B Muffin Monster (Not Anticipated)	-	\$12,151
WTP Low Zone Pump (Not Anticipated)	-	\$29,200
Fox Run Lift Station Submersible Pumps	\$36,000	\$41,961
WTP Filter Media Replacement	\$100,000	
Booster Variable-Frequency Drive	\$25,000	
Self-Priming Non-Clog Pump for Lift Station A	\$60,000	
Terminal Reservoir Vault PRV, 12-Inch	\$20,000	
WWTP Blower Service	\$35,000	
WWTP Ultraviolet Disinfection Lamps	\$24,000	
Subtotals	\$872,000	\$632,071
Available Capital Equipment Funds Remaining		\$239,929

2 | Fox Run Lift Station

RECOMMENDATIONS

Attached to this memorandum is a Resolution that, if approved, would allow the City Manager to issue a Purchase Order to Superior Sales, Inc. in the amount of \$41,961.00.

STAFF REFERENCE

Kent Kisselman, PE, Engineering Manager	kkisselman@northglenn.org	303.450.4005
Gregory Yanker, PE, Lead Engineer	gyanker@northglenn.org	303.450.8780
Tom Kawamoto, PE, Civil Engineer II	tkawamoto@northglenn.org	303.450.8837

ATTACHMENTS

- □ Bid Tabulation□ Bids Received
- ☐ Council Resolution



CITY OF NORTHGLENN FORMAL BID SUMMARY

	- 1		1
AGE		_ of	1

BID NUMBER: IFB 2015-012

BID NAME: Fox Run Lift Station Submersible Pumps

DEPARTMENT: Public Works

	Derver Winpump company	Superior Sales, Inc.	filtmore Technologies	Bhayana Brothers LLC	
	BID RECEIVED	BID RECEIVED	BID RECEIVED	BID RECEIVED	BID RECEIVED
DATE DUE: 03/31/15	DATE: 3130115	DATE: 3/30/15	DATE: 3/31/15	DATE: 3/31/15	DATE:
TIME: 2:00 p.m. MST	TIME: 1'12pm	TIME: 2:35pm	TIME: 101.21am	TIME: 11'.31am	TIME:
Addendum 1	Yes	Yes	Yes	Yes	
Total	\$52.2106.06	\$41,961.00	\$42,846.00	\$57,434.22	

Botty Molw -

CITY CLERK'S OFFICE

03/31/2015



BID NO IFB-2015-012

ISSUE DATE March 18, 2015

INVITATION FOR BID (IFB) COVER SHEET

BID TITLE: Fox Run Lift St	ation Submersib	le Pumps	
SUBMISSION DEADLINE	2:00 p.m.	on March 31, 2015	DENVER
LOCATION: CONTACT:	Northglenn Cobids@northglowww.govbids	unity Center Dr O 80233 enn.org	Commercial, Industrial, and Agricultural Pump Dissipation 1
EMAIL:	tkawamoto@	northglenn org	www.denverwinpump.com
PHONE:	303-450-883	7	
Bidding instructions and draw http://govbids.com/scripts/col MANDATORY PREBID CONFERENCE:	/public/home1 a		E-Purchasing website at:
DATE & TIME:	N/A		at N/A
LOCATION:	N/A		
with all provisions of the con this solicitation and fully une offer. (4) that the offer is bein	instructions of the tract documents destands and action is submitted on but the tracks are the tracks and actions are submitted on the tracks are tracks as the tracks are tracks are tracks as the tracks are tracks are tracks as the tracks are tra	this bid as stated or impl and technical specification cepts them unless specification sehalf of the vendor in ac	ent of the vendor, (2) he/she has read all terms and ied, (3) the vendor warrants that he/she is familiar ons which were made available in conjunction with it variations have been expressly listed in his/her cordance with any terms and conditions set forth in must match all contract and insurance documents
	PRINT	OR TYPE YOUR INFO	RMATION
Company Denver Winpump	Company		Tax Number 303-424-3420
Address 4701 Colorado Bo	ulevard Unit I	В	Tity State 7 in Denver, Colorado 80216
Contact Person David Hudson	1	7	President
Email dwhudson@winsup	olyinc.com		hone 303-424-3551
Signature D14			
Print name David W. Hudso	n		

BID FORM

City of Northglenn 11701 Community Center Drive Northglenn, Colorado 80233-8061	
BID: Pursuant to the "advertisement for bids" for the above requirements therefore, the undersigned bidder hereby proposes transportation, services and all other things necessary-for-the-eccaecordunee with the requirements and intent of the contract doc and in consideration of the following prices: As a provided.	s to furnish all labor-materials-tools, supplies, equipment, impletion-of the contractual-work, and perform-the-work-in
Proposal of Denver Winpump Company	(hereinafter called BIDDER) organized and
existing under the laws of the State of Delaware	doing business as Denver Winpump Company To
the CITY OF NORTHGLENN (hereinafter called CITY). In	
hereby proposes to perform-WORK-on turned, and deliver the	
Fox Run Lift Station Submersible P	umps
in strict conformance with the CONTRACT DOCUMENTS, below By submission of this BID, each BIDDER certifies, at own organization that this BID has been arrived at independent	nd in case of a joint BID each party thereto certifies as to his
any matter relating to this BID with any other BIDDER or wit	
BIDDER hereby agrees to commence WORK-under t	
NOTICE-TO PROCEED and to-fully-complete-the-PROJEC	T-us-indicated in-the-General-Conditions
BIDDER acknowledges receipt of the following ADDENDUS Addendum No. 1, 2, 24/2015 We acknowledge receipt	vi: of this addendum. David Hudson President

^{*}Insert "a corporation", "a partnership", or "an individual" as applicable

Email <u>.</u>
Email:
Email:
east three references-and-contact-phone numbers
Phone:
Phone
Phone:
Signature 4701 Colorado Boulevard Unit B Address President Title 3 26 5 Date
License Number (If Applicable Signature) 303-424-3551 Phone Number

BID SUMMARY

Denver Winpump Company

(Vendor Name)

Hereby submits to the City of Northglenn, Colorado the following bid items, complete and in place, as specified for the

Fox Run Lift Station Submersible Pumps

IFB-2015-012

Item	Description	Quantity	Unit	Unit Cost	Total Cost
1	30-HP EBARA K-Series Non-Clog Submersible Wastewater Pump	3	EA	§ 12859.15	\$ 38577 .45
2	Quick Discharge Connector	3	EA	\$ 1117.15	\$3351.45
3	Spare Impeller	3	EA	\$ 2722.86	\$8168.58
4	Spare Suction Cover (Wear Ring)	3	ЕΛ	\$ 722.86	\$2168.58

TOTAL FOR ALL ITEMS \$52,266.06

TOTAL IN WORDS Fifty Two Thousand Two Hundred and Sixty Six Dollars and Six Cents

PURCHASE ORDER TERMS AND CONDITIONS

- 1. Ofter/Acceptance: If the purchase order (PO) refers to your bid or proposal, then this PO is an ACCEPTANCE of your OFFER TO SELL in accordance with the terms and conditions of the IFB?RFP, as stated in your bid. If no bid or proposal is reference, this PO is an OFFER TO BUY, subject to your acceptance, which must be demonstrated by either your performance of this PO or by a formal acknowledgment in writing. Any COUNTER-OFFER TO SELL is automatically construed as a CANCELLATION of this PO unless a change order is issued accepting a counter-offer. In the event vendor forms(s) or part(s) of forms are included, in, or as an attachment to, any bid, proposal, offer, acknowledgment, or otherwise, vendor agrees that, in the event of inconsistencies or contradictions, the terms and conditions of the solicitation document and this PO shall supersede and control over those contained in vendor's form(s) regardless of any statement to the contrary in such forms(s). Unless the purchasing agent specifically agrees in writing through overt reference or other express written indication of assent, terms, and conditions on vendor forms regarding choice of law, verme, warranty disclaimer or exclusion, indemnification or limitation of liability shall be of no effect.
- Safety Information. All chemicals, equipment and materials proposed and/or used in the
 performance of this PO must conform to the standards required by the William-Steiger
 Occupational Safety and Health Act of 1970. Bidders must famish all Material Safety Data
 Sheets (MSDS) for any regulated chemicals, equipment or hazardous materials at the time of
 delivery.
- 3. Changes. Vendor agrees to furnish products and/or services in strict accordance with the specifications, and at the price set forth for each item. Nothing in this PO may be added to, modified, superseded or otherwise altered except in writing signed by a n authorized representative of the city and acknowledgment of a written change order to this PO.
- 4. Delivery. Unless otherwise specified in the solicitation or in this PO. Delivery shall be FOB destination. In its acceptance of any quotation offer, the city is relying on the promised delivery date, installation, or service performance as material and basic to its acceptance. In the event of vendor's failure to deliver or perform as and when promised, the city reserves the right to cancel its order, or any part thereof, without prejudice to its other rights, and vendor agrees that the city may return all or part of any shipment so made and may charge vendor with any loss or expense sustained as a result of failure to deliver or perform as promised. Time is of the essence.
- 5 Rights in Data, Documents, Computer Software or Other Intellectual Property. Unless otherwise agreed in writing, any software, research, reports, studies, data, photographs, negatives or other documents, drawing or materials delivered by vendor in the performance of its obligations under this PO shall be the exclusive property of the State. The ownership rights described herein shall include, but not be limited to, the right to copy, publish, display, transfer, prepare derivative works, or otherwise use the works.
- Quality. The State will be the sole judge in determining "equals" with regard to quality, price and performance. All products delivered shall be newly manufactured and of the manufacturer's current model, unless otherwise specified.
- Warrantles. All provisions and remedies of the Uniform Commercial Code ("UCC) relating to both implied and expressed warranties are herewith referred to and made a part hereof and are in addition to any warranties stipulated in the specifications.
- 8. Inspection and Acceptance. Final acceptance is dependent upon completion of all applicable inspection procedures. Should the products or services fail to meet any inspection requirements, the city may exercise all of its rights, including those provided in the UCC. The city reserves the right to inspect services provided under this PO at all reasonable times and places. "Services" as used in this clause included services performed or tangible material produced or delivered in the performance of services. If any of the services again in conformity with PO requirements, the agency may require vendor to perform the services again in conformity with PO requirements, with no additional payment. When defects in the quality or quantity of service cannot be corrected by re-performance, the city may 910 require vendor to take necessary action to ensure that the future performance conforms to PO requirements and (ii) equitably reduce the payment due vendor to reflect the reduced value of the services performed. These remedies in no way limit the remedies available to the agency in the termination provisions of this PO, or remedies otherwise available at law or in equity.
- Taxes. The City of Northglenn, as a purchaser, is exempt from all federal and state taxes under Chapter 32 of the Internal Revenue Code (No 84-0592083) and from all State and local government use taxes (CRS 39-25-14(a) and 203, as amended). Tax exempt number for the city is 98-03556.
- 10. Prompt Payment. In the event payment for services rendered has not been made within forty-five (45) days from the receipt of the invoice for any uncontested billing, interest will accurate at the legal rate of interest. In the event payment has not been made within ninety (90) days from the receipt of the invoice for any uncontested billing, Consultant may, after giving seven (7) days written notice and without penalty or liability of any nature, suspend all work on all authorized services specified herein. In the event payment in full is not received within thirty (30) days of giving the seven (7) days written notice, Consultant may terminate this Agreement. Upon receipt of payment in full for services rendered, Consultant will continue with all authorized services.
- 11. Indemnification. The Contractor, to the fullest extent permitted by law, shall defend, indemnify and hold harmless the City, its officers, employees, agents and their insurers, from and against all liability, claims and demands on account of injury, loss or damage, including without limitation, claims arising from bodily injury, personal injury, sickness, disease, death, property loss or damage or any other loss of any kind whatsoever, which arises out of or is in any manner connected with this Contract, to the extent that such injury, loss or damage is attributable to the act, omission, error, professional error, mistake, negligence or other fault of the Contractor, the Contractor's employees, subcontractors or anyone else employed directly or indirectly by the Contractor', Contractor's employees or subcontractor.
- 12. Independent Contractor. Vendor shall perform its duties hereunder as an independent contractor and not as an employee neither vendor nor any agent or employee of vendor shall be or shall be deemed to be an agent or employee of the City. Vendor shall pay when due all required employment taxes and income tax withholding including all federal and state income tax and local head tax on any monies paid pursuant to this PO. Vendor shall provide and keep in force, and show proof of upon request, Workers' Compensation and Unemployment Compensation insurance in the amounts required by law and shall be solely responsible for its acts and those of its employees and agents.

- 13. AMERICANS WITH DISABILITIES ACT OF 1990. The City of Northglenn does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or provision of services. It shall be a condition of the City of Northglenn that any company, firm or corporation supplying goods or services either by contract or purchase order must be in compliance with the appropriate areas of the Americans With Disabilities Act of 1990 as eracted and from time to time amended and any other applicable Federal regulation. A signed, written certificate stating compliance with the Americans with Disabilities Act may be requested at any time during the life of any purchase order or contract and with any new purchase order or contract issued by the City of Northglenn.
- 14. Insurance. Vendor agrees to procure and maintain, at its own cost, a policy or policies of insurance sufficient to insure against all liability, claims, demands, and other obligations assumed by Vendor Such insurance shall be in addition to any other insurance requirements imposed by this Agreement or by law. Vendor shall not be relieved of any liability, claims, demands, or other obligations by reason of its failure to procure or maintain insurance, or by reason of its failure to procure or maintain insurance, or by reason of its failure to procure or maintain insurance in sufficient amounts, durations, or types. Vendor shall provide proof of insurance if requested. Workmen's compensation insurance to cover obligations imposed by applicable laws for any employee engaged in the performance of work under this Agreement, and Employer's Liability insurance with minimum limits of five hundred thousand dollars (\$500,000) each accident, one million dollars (\$1,000,000) disease policy limit, and one million dollars (\$1,000,000) disease policy limit, and one million dollars (\$1,000,000) disease in the policy of qualified self-insured status may be substituted for the workmen's compensation requirements of this paragraph. Commercial general liability insurance with minimum combined single limits of one million dollars (\$1,000,000) each occurrence and two million dollars (\$2,000,000) general aggregate. The policy shall be applicable to all premises and operations. The policy shall include coverage for bodily injury, broad form properly damage (including completed operations), presonal injury (including coverage for contractual and employee acts), blanket contractual, products, and completed operations. The policy shall contain a severability of interests provision. Professional liability insurance with minimum limits of six hundred thousand dollars (\$600,000) each claim and one million dollars (\$1,000,000) general aggregate.
- 15. Termination. This Agreement shall terminate at such time as the work or the merchandise is completed and the requirements of this PO are satisfied, or upon the City's providing Vendor with seven (7) days advance written notice, whicheve occurs first. In the event the PO is terminated by the City's issuance of said written notice of intent to terminate, the City shall pay Vendor for all work previously authorized and completed prior to the date of termination. If, however, Vendor has substantially or materially breached the standards and terms of this PO, the City shall have any remedy or right of set-off available at law and equity. If the PO is terminated for any reason other than cause prior to completion of the Project, any use of documents by the City thereafter shall be at the City's sole risk, unless otherwise consented to by Vendor.
- 16. Funds Availability. Financial obligations of the City payable after the current fiscal year are contingent upon funds for that purpose being appropriated, budgeted and otherwise made available.
- 17. Choice of Low. This PO is made in and the laws of the State of Colorado shall govern, in connection with the formation, performance and the legal enforcement of, this PO. Unless otherwise specified in the solicitation or this order, venue for any judicial action arising out of or in connection with this PO shall be in State of Colorado, Adams County District Court, Vendor shall exhaust administrative remedies in CRS 24-109-106, as amended, prior to commencing any judicial action against the City.
- 18 Uniform Commercial Code. All references in this PO to the ICC shall mean the ICC as adopted by the State of Colorado at Title 4, Colorado Revised Statues, as amended.
- 19. Non-discrimination. Vendor agrees to comply with the letter and spirit of all applicable State and federal laws respecting discrimination and unfair employment practices.
- 20. Public Contracts for Services. CRS §8-17.5-101.(Not applicable to agreements relating to the offer, issuance, or sale of securities, investment advisory services or fund management services, sponsored projects, intergovernmental agreements, or information technology services or products and services). Contractor certifies, warrants and agrees that it does not knowingly employ or contract with an illegal alien who will perform work under this contract and will confirm the employment eligibility of all employees who are newly hired for employment in the United States to perform work under this contract, through participation in the E-Verify Program or the Department program established pursuant to CRS §8-17.5-102(5)(c). Contractor shall not knowingly employ or contract with an illegal alien to perform work under this contract, center into a contract with a subcontractor that fails to certify to Contractor that the subcontractor shall not knowingly employ or contract with an illegal alien to perform work under this contract. Contractor (a) shall not use E-Verify Program or Department program procedures to undertake pre-employment screening of job applicants while this contract is being performed.(b) shall terminate the subcontract if a subcontractor does not stop employing or contracting with the illegal alien within three days of receiving the notice, and (d) shall comply with reasonable requests made in the course of an investigation, undertaken pursuant to CRS §8-17.5-102(5) by the Colorado Department of Labor and Employment. If Contractor participates in the Department program. Contractor shall delive to the contracting City, a written, notarized affirmation, affirming that Contractor shall delive to the contracting City, a written, notarized affirmation, affirming that Contractor shall delive to the contracting City, a written, notarized affirmation, affirming that Contractor shall delive to the contracting City, a written, notarized affirmation, affirming that Contractor shall delive to the contractor
- 21. Public Contracts with Natural Persons, CRS 24-76.5-101. Contractor, if a natural person eighteen (18) years of age or older, hereby swears or affirms under penalty of perjury that he or she (i) is a citizen or otherwise lawfully present in the United States pursuant to federal law, (ii) shall comply with the provisions of CRS 24-76.5-101 et seq., and (iii) shall produce one form of identification required by CRS 24-76.5-103 prior to the effective date of this contract.

From:

"Mike O'Clair" <mikeoclair@superiorsalesco.com>

To: Date: Subject:

Fox Run Lift Station Submersible Pumps Quote

Attachments: Document.pdf

Mike O'Clair Superior Sales Inc. 1967 County Road 132 Elizabeth, CO 80107 Phone: 303-279-3600 FAX: 303-312-1264

mikeoclair@superiorsalesco.com

BID FORM

City of Northglenn 11701 Community Center Drive Northglenn, Colorado 80233-8061
BID: Pursuant to the "advertisement for bids" for the above named project, and being familiar with all contractual requirements therefore, the undersigned bidder hereby proposes to furnish all labor, materials, tools, supplies, equipment, transportation, services and all other things necessary for the completion of the contractual work, and perform the work in accordance with the requirements and intent of the contract documents, within the time of completion set forth herein, for, and in consideration of the following prices. as specified.
Proposal of Superior Sales, Inc. (hereinafter called BIDDER) organized and
existing under the laws of the State of Colorado doing business as a corporation . To
the CITY OF NORTHGLENN (hereinafter called CITY). In compliance with your advertisement for bids, BIDDER
hereby proposes to perform WORK on furnish and deliver the:
Fox Run Lift Station Submersible Pumps
in strict conformance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.
By submission of this BID, each BIDDER certifies, and in case of a joint BID each party thereto certifies as to his own organization that this BID has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.
BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the
NOTICE TO PROCEED and to fully complete the PROJECT as indicated in the General Conditions.
BIDDER acknowledges receipt of the following ADDENDUM:
Addendum No. 1, 3/24/2015

Sub-contractors (if any): Work they will perform:	
1. N/A	Email:
3	Email:
3	Email:
Please provide a complete and accurate list of at least	three references and contact phone numbers:
Barnard Construction	Phone: 303-347-0175
Email: bsi.barnard@gmail.com	
2. Gracon Construction	Phone: 970-667-2203
Email: ahavens@graconcorp.com	
3. Colorado Springs Windustrial	Phone: 719-633-8808
Email: dmmeier@windustrial.com	
	Respectfully submitted.
	Michael D. C. Co.
	Signature
(Seal, if Proposal is by a Corporation)	1967 Country Road 132, Elizabeth, CO 80107
	Address
	President
	Title
	3-30-2015
Attest	Date
	N/A
	License Number (If Applicable Signature)
	303-279-3600
	Phone Number

BID SUMMARY

Superior Sales, Inc.		
(Vendor Name)		
Hereby submits to the City of Northglenn, Colorado the following place, as specified for the:	bid items,	complete and in
Fox Run Lift Station Submersible Pumps	-	IFB-2015-012

Item	Describion	Onemitis	ivini.	omes,	Wini Cos
1	30-HP EBARA K-Series Non-Clog Submersible Wastewater Pump	3	EΛ	\$ 10,584.00	\$ 31,752.00
2	Quick Discharge Connector	3	EΛ	\$ 368.00	\$ 1,104.00
3	Spare Impeller	3	EA	\$ 2,396.00	S 7,188.00
4	Spare Suction Cover (Wear Ring)	3	EA	\$ 639.00	S 1,917.00

TOTAL FOR ALL ITEM	vis
TOTAL IN WORDS	Forty one thousand nine hundred sixty one dollars and no cents

PURCHASE ORDER TERMS AND CONDITIONS

- HIPPLANCE of your OFFER TO SELL in accordance with the terms and conditions of the HIPPLANCE of your OFFER TO SELL in accordance with the terms and conditions of the HIPPLANCE of your OFFER TO SELL in accordance with the terms and conditions of the HIPPLANCE of your OFFER TO SELL in a bid or proposal is reference, this PO is an OFFER TO HIPP, subject to your acceptance which must be demonstrated by either your performance of this PO in by a formal acknowledgment in writing Any COUNTIRE.OFFER TO SELL is automatically construed as a CANCELLATION of this PO unless a change aider it issued accepting a counter-offer. In the event vendor form(s) or part(s) of forms are included, in, or an an attachment to, up this, proposal, offer, acknowledgment, or wherebys, wentor space that in the event of inconsistencies or contandictions, the terms and conditions of the solicitation deviament and this PO shall superiode and control over those contained in vendor's formal operations and another than the purchasing agent specifically agrees in writing through over reference or other express written indication of assem, terms, and conditions or writing furnity (repairing christe of law, young, wante, warrany disclaimer or exclusion, indemonification or limitation of liability shall be of no effect.
- 2 Safety Information. All chemicals, equipment and materials proposed and/or used in the performance of this PG mass conform to the standards required by the William-Steiger Occupational Safety and Health Act of 1970. Bidders must furnish all Material Safety Itara Sheets (MSDS) for any regulated chemicals, equipment or hazardous materials at the time of delaters.
- 3 Changer, Vendor agrees to jurnish products analyer services in strict accordance with the specifications, and at the price set footh for each item. Suthing in this PO may be added to, modified, superseded or otherwise altered except in writing signed by a n authorized representative of the city and arknowledgment of a written change mater to this PO.
- 1 Delivery. Unless otherwise specified in the solicitation or in this PO. Delivery shall be FOB destination. In its acceptance of any quotative offer, the city is relying on the promised delivery date, installation, or service performance as material and basic to its acceptance. In the event of vendor's failure to deliver or perform at and when promised, the city reserves the right to cancel its vides, or any poin thereof, without prejudice to its other rights, and vendor agrees that the city may return all or part of any shipment to made and may charge vendor with any loas or expense installed as a result of failure to deliver or perform as premised. Time is of the essence.
- 6 Rights in Data, Documents, Computer Software or Other Intellectual Property. Unless otherwise agreed in writing, any software, research, reports, smalles, data, photographs, regatives or other theorements, drawing or materials delivered by sendor in the performance of its obligations under this PO shall be the exclusive property of the Sate. The ownership rights described herein shall include, but not be limited to, the right to copy, publish, display, transfer, prepare derivative works, or otherwise too the works.
- Outlify, The State will be the safe judge in determining "equals" with regard to quality, price and performance. All products delivered shall be newly manufactured and of the manufacturer's current model, indicas otherwise specified.
- 7 Warrautiet, All provisions and reasones of the Uniform Commercial Code ("UCC) relating to both implied and expressed warranties are hereafth referred to and made a purt lencof and are in addition to any with anties signalized to the specifications.
- I Inspection and Acceptance. First acceptance is dependent upon completion of all applicable impaction procedures. Should the products or services fail to meet any inspection requirements the city may exercise all of list right, including those provided in the UCC. The city reserves the right to implect services provided under this PO at all reasonable times and places. Services in used in this clause included services performed or trapible material produced or delivered in the performance of services fairn or the services than an eminimal produced or delivered in the performance provides fairn or the services than a confirm with PO requirements, with no additional payment. When defects the quality or junting of service cannot be corrected by to-performance, the city may 900 require vendor to take necessary action to make that the future performance conforms to PO requirements and (ii) equitably reduce the perment that the future performance conforms to PO requirements and (ii) equitably reduce the perment due wendor to rather the reduced value of the services performed. These remedies in no way limit the tennedies invaliable to the agency in the termination providens of this PO, or consider otherwise as adulted at low or in equily.
- O Taxes. The City of Northglenn, as a panelister, is exempt from all federal and state taxes under Chapter 32 of the Internal Revenue Code (No 84-039203) and from all State and Josal government use raves (CRS 39-25-14(a) and 203, as amended). The evenut number for the city ic 93-035.
- 10. Principl Payment, in the event payment for services rendered has not been made within today-five (43) draw from the receipt of the invoice for any uncontested billing, interest with accine at the logal rate of futereat. In the event payment has not been made within unerty (90) dray from the receipt of the invoice for any uncontrated billing. Consultant may, after civing seven (7) draw within notice, and without penalty of liability of any nature, uspend all work on all ratherized services specified begin in the event payment in full to not received within thiny (10) draw of giving the seven (7) draw within notice, Consultant may terminate this Agreement Upen receipt or payment in full for services, rendered, Consultant will centime with all substituted existent.
- 11. Informatification. The Contractor, to the fullest extent permitted by law, shall detend indennity and full harmless the City, its collicus, employees, ogents and their insumers, from and against off limiting, claims and dramands on account of bijury, loss or damage, tortuding without lindation, chims arising from hodily injury, exceed injury, bickerss, cisease, deth, property but or damage or any other loss of any limit whenever, which assess and of or is any measure connected with this Contract, to the extent that such injury, has or change is attitionable to the act, unison, exter, professional erior, mistake, negligende or other facility of the Pointactor, the Contractor of the Contractor, due Contractor of the Contractor, due Contractor of any and any other professional erior, mistake, negligende or other facility of the Contractor, due Co
- 12 Independent Gostractor Vendor shall perform its duties betender at an independent contactor and not as an employee neither vendor mar any open or employee of shall be or shall be desired to be an agent or employee of the City. Vendre shall pay when due all required employment rayer and meaning as whithelding including all federal and other income to and local head tax or to monitor p oil posturing in this PO. Vendre shall pay where due to and local head tax or tog monitor p oil posturing in this PO. Vendre shall provide and keep in force, and allow proof of opon request, Werkers' Compensation and Themplayment Compensation occurred in the amounts required by law and shall be to be required for its antis and drose of its couple years and one; its

- DAMERICANS WITH DISABILITIES ACT OF 1990. The City of Forthlylein does not discliminate on the baris of street, color, natural origins sex, teligier, age or disclidity in employment or provision of services. I shall be a condition of the five five of Studiglein filed any company, tirm or carporation supplying goods or services either by contact or purchase order must be in compliance with the appropriate stress of the Americans With Dasabhitics Act of 1992 as enacted and from time to time amended and any other applicable Federal regulation. A signed, written terrificate studig compliance with the Americans with Dasabhities Act may be requested at any time during the life of any parichate order or contract and with any new purchase order.
- 14 Insurance, Vendor agrees to procure and maintain, at its own cost, a policy or policies of insurance sufficient to insure against all liability, claims, demands, and other obligations assumed by Vendor. Such insurance shall be in addition to any other insurance requirements imposed with A generation of by law. Vendor shall not be relicited of any liability, claims, demands, or other obligations by reason of its failure to procure or maintain insurance, or by reason of its failure to procure or maintain insurance, or by reason of its failure on procure or maintain insurance, or by reason of its failure and procure or maintain insurance, or by reason of its failure on a forest and the law of the state of the failure of the maintain insurance or obligations imposed by applicable laws for any employee organged in the performance of owek under this Approcent, and Employer's Liability insurance with minimum limits of five hundred thousand dollars (\$500,004) each accident, one million dollars (\$1,000,007) disease each employee. Evidence of qualified self-insured status may be substituted for the workment's compensation requirements of this paragraph Commercial general liability insurance with minimum combined single limits of one inillion dollars (\$1,000,007) deach occurrence and two million dollars (\$2,000,000) general agergate. The policy shall be applicable on all pronders and operations. The policy shall include constrained for bothly injury, tread drying, removed and employee sets), blanket contractual, products, and completed operations. Professional hability insurance with minimum limits of six hundred thousand dollars (\$500,000) each claim and one million dollars (\$1,000,000) general agergate.
- 15 Termination. This Agreement shall terminate at such time as the work or the merchandise is completed and the requirements of this PO are assisted, or upon the City's providing Vendur with seven (?) days advance written notice, whichever occurs first. In the even the PO is terminated to the City's issuance of said written notice of intent to terminate, the City shall pay Vendur for all work previously authorized and completed pilor in the date of termination. If, however, Vendur has substantially or materially breached the standards and terms of this PO, the City shall have any termedy or right of set-out available as I have any quity. If the PO is terminated for any reason other han cause prior to completion of the Project, any use of documents by the City thereafter shall be at the City's sede risk, unless otherwise consented to by Venthe.
- 16. Funda Availability. Financial obligations of the City payable after the current fiscal year attentioned upon funda for that purpose being appropriated, budgeted and advantage made available.
- 17 Choice of Law. This PO is made in and the laws of the State of Colorado shall govern, in connection with the formation, performance and the legal enforcement of, this PO. Unless otherwise specified in the solicitation or this ender, venue for any judicial action asking out of a connection with this PO shall be in State of Colorada, Atlanta County District Count, Vendor shall exhibit administrative remedies in CRS 24-109-106, as amended, into the communicing any judicial action against the City.
- 13 Hulform Commercial Code, All references in this PO to the ICC shall mean the ICC as adopted by the Stree of Colorado at Title 4, Colorado Rovised Statues, as amended.
- 14 Nan-discrimination. Vendor agrees to comply with the letter and spirit of ell applicable State and federal laws respecting discrimination and unfair employment practices.
- Federal laws respecting distrimination and untait employment peacifices.

 20 Public Contrarts for Services, CMS \$8-17.5-104 (Not applicable to agreements relating to the offer, issuance, or sale of seculities, investment advisory services or fined management services, opinisored projects, intriguoconsonal agreements, or information technology services or products and services, Contractor certifies, warrants and agrees that it does not Leavingly coupley of contract with an illegal effer who will perform week under this contract and will continue the employment eligibility of all employees who are nearly lated for employment or the Control States to perform week inside, the contract in pustant to CRS \$3-17.5-10215/(c). Contractor thall not knowlingly employ or contract with an illegal allent to perform week with employment with an illegal allent to perform week who contract with an illegal allent to perform week the contract or that he subcontractor shall not knowlingly employ or contract with an illegal allent to perform week more than the absorption of shall not the first of the contract of the first of the contract of the time of the contract of a shall not use first of the performance of the contract of the sine contract of the sine contract of the sine contract of the sine contract of the properties of the Department program of Contractor that he contract of the performance of the contracting that the contract of the contract of the performance of the contract of the first of the performance of the contracting the performance of the contracting the contract of the contracting the performance of the performance of the contracting the performance of the performance of the performance of the performance of the per
- 21 Public Contracts with Natural Persons, CRS 24-76.5-101. Contractor, or a natural person eighteen (18) years of age or older, hereby swears of affirms under penalty of perjons that be or site (i) by a critical or otherwise bacfully pretent to the United States personal to redead law, (ii) dealt comply with the provisions of CRS 21-76-5-101 event and iii) dealt produce one if my of i land fleation to paid by CRS 24-70-5-101 grow to the efficiency date of this contract.



City of Northglenn Public Works Department 12301 Claude Court Northglenn, Colorado 80241

CITY OF NORTHGLENN

FOX RUN LIFT STATION SUBMERSIBLE PUMPS 1FB-2015-012

ADDENDUM NO. 1 DATED: March 24, 2015

TO: BIDDERS

The following adds to, supplements, amends or clarifies by way of explanation, portions of the Contract Documents, Specifications, or Drawings for the above-named solicitation.

NOTE: It will be the responsibility of the Bidder to acknowledge receipt of this addendum as part of his/her submitted bid. Failure to do so will be grounds for the City to view the bid as non-responsive.

The Invitation for Bid is hereby modified by the following items:

BID FORM:

This solicitation is for furnishing and delivery of the specified equipment only. Installation will be performed by the City. Page 7 of 13 titled "BID FORM" shall be deleted and replaced with the attached BID FORM.

BID SUMMARY:

The attached BID SUMMARY shall be added to the original Invitation for Bid, between Page 6 and the Purchase Order Terms and Conditions.

PURCHASE ORDER TERMS AND CONDITIONS:

The Purchase Order Terms and Conditions have been revised. Page 9 of 13 titled "PURCHASE ORDER TERMS AND CONDITIONS" shall be deleted and replaced with the attached "PURCHASE ORDER TERMS AND CONDITIONS.

Attachments: Revised Bid Form Bid Summary Revised Purchase Order Terms and Conditions

END OF ADDENDUM NO. 1



BID NO IFB-2015-012	BID	NO	IFB-	201	5-012	
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ISSUE DATE March 18, 2015

INVITATION FOR BID (IFB)

COVER SHEET

BID TITLE: Fox Run Lift St	ation Submersible Pumps
SUBMISSION DEADLINE	2:00 p.m. on March 31, 2015
LOCATION:	City Clerk's Office 11701 Community Center Dr Northglenn CO 80233 bids@northglenn.org www.govbids.com
CONTACT:	Tom Kawamoto, Civil Engineer II
EMAIL:	tkawamoto@northglenn.org
PHONE:	303-450-8837
Bidding instructions and draw http://govbids.com/scripts/col	rings are available at the Rocky Mountain E-Purchasing website at: /public/home1.asp.
MANDATORY PREBID CONFERENCE:	No
DATE & TÍME:	N/A at N/A
LOCATION:	N/A
conditions, requirements, and with all provisions of the con this solicitation and fully un- offer, (4) that the offer is bein	ms that (1) he/she is a duly authorized agent of the vendor, (2) he/she has read all terms and instructions of this bid as stated or implied, (3) the vendor warrants that he/she is familiar tract documents and technical specifications which were made available in conjunction with derstands and accepts them unless specific variations have been expressly listed in his/her ag submitted on behalf of the vendor in accordance with any terms and conditions set forth in the vendor listed on the bid submission must match all contract and insurance documents
	PRINT OR TYPE YOUR INFORMATION
Address 7618 Lake F Contact Person SCOTT A Email SMOORE, 7618	echnologies Fax Number City, State Zip Crestwood, KY 40014 Title VP B Q yahoo. Com Phone (502) 386-4120

Filtmore Technologies LLC A Woman-Owned Small Business

7618 Lake Pointe Drive Crestwood, KY 40014 Phone: 502-386-4120 Fax: 502-742-9411 pmac7618@yahoo.com smoore7618@yahoo.com

To:

City Clerk's Office

3/31/2015

11701 Community Center Dr.

Northglenn, CO 80233 Contact: Tom Kawamoto

From:

Scott Moore

Subject:

IFB-2015-012, Fox Run Lift Station Submersible Pumps

Dear Tom,

Filtmore Technologies LLC is pleased to provide the attached quotation with regard to IFB-2015-012, Fox Run Lift Station Submersible Pumps. Filtmore Technologies is a Woman Owned Small Business (WOSB) under federal cage code 4JHC9.

Technical Clarifications

Filtmore is quoting an Ebara K series submersible pump (Product ID-100DLKFU622), 30HP, 460/3, 75' long power cord, a quick discharge connector accessory for each pump (Product ID-LL100), a spare impeller (Product ID-CDL12-2315K) and a spare suction cover (Product ID-CDL11-1025K).

Commercial Clarifications

Filtmore accepts payment by check. All prices are quoted FOB destination. Delivery is estimated at 6-10 weeks. Addendum No. 1 has been recognized.

Bid Validity

COB 4/31/2015

Payment Terms

Net 30 Days after shipment and city acceptance of the product.

Warranty

Standard Ebara warranty applies.

Please let us know if you require further information and thank you for the opportunity to participate in this solicitation. All technical questions should be directed to Mr. Scott Moore at (502) 386-4120 or smoore7618@yahoo.com.

Sincerely,

Scott Moore

Vice President

Filtmore Technologies LLC

7618 Lake Pointe Drive

Crestwood, KY 40014

Phone: (502) 386-4120

smoore7618@yahoo.com

Enclosed:

Cover Letter
Technical Data
Quotation
Bid Documents

Filtmore Information

Federal Tax ID # 76-0815284 DUNS # 784-801-495 Cage Code # 4JHC9

Remit to Address:

Filtmore Technologies LLC Attn: Mr. Mel Manning 330 S. Stratford Drive Henderson, NC 27537

BID FORM

City of Northglenn 11701 Community Center Drive Northglenn, Colorado 80233-8061

BID: Pursuant to the "advertisement for bids" for the above named project, and being familiar with all contractual requirements therefore, the undersigned bidder hereby proposes to furnish all labor, materials, tools, supplies, equipment, transportation, services and all other things necessary for the completion of the contractual work, and perform the work in accordance with the requirements and intent of the contract documents, within the time of completion set forth herein, for, and in consideration of the following prices. as specified.

Proposal of Filmore Technologies, LLC (hereinafter called BIDDER) organized and existing under the laws of the State of Deloc Ware doing business as Filmore Technologies.*. To the CITY OF NORTHGLENN (hereinafter called CITY). In compliance with your advertisement for bids, BIDDER hereby proposes to perform WORK on furnish and deliver the:

Fox Run Lift Station Submersible Pumps

IFB-2015-012

in strict conformance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

By submission of this BID, each BIDDER certifies, and in case of a joint BID each party thereto certifies as to his own organization that this BID has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence **WORK** under this contract on or before a date to be specified in the **NOTICE TO PROCEED** and to fully complete the **PROJECT** as indicated in the General Conditions.

BIDDER acknowledges receipt of the following ADDENDUM:

Addendum No. 1, 3/24/2015

^{*}Insert "a corporation", "a partnership", or "an individual" as applicable.

BID SUMMARY

Filtmore Technologies, LLC (Vendor Name)

Hereby submits to the City of Northglenn, Colorado the following bid items, complete and in place, as specified for the:

Fox Run Lift Station Submersible Pumps

IFB-2015-012

Item	Description	Quantity	Unit	Unit Cost	Total Cost
1	30-HP EBARA K-Series Non-Clog Submersible Wastewater Pump	3	EA	\$ 10,705	\$ 32,115.00
2	Quick Discharge Connector	3	EA	\$438	\$ 1,314.00
3	Spare Impeller	3	EA	\$2,464	\$ 7,392.0
4	Spare Suction Cover (Wear Ring)	3	EA	\$ 675	\$ 2,025.0

TOTAL IN WORDS Forty two thousand light hundred forty Dix dollars and no cents.

Filtmore Technologies LLC 7618 Lake Pointe Drive

Crestwood, KY 40014 Phone: 502-386-4120 Fax: 502-742-9411 pmac7618@yahoo.com smoore7618@yahoo.com Tin # 76-0815284

To:

DUNS # 784-801-495

Cage Code # 4JHC9

A Woman Owned Small Business

Date: March 31, 2015 Quote # 5012GD Expiration Date: 3/31/15

City Clerk's Office

11701 Community Center Dr. Northglenn, CO 80233

Contact: Tom Kawamoto

Salesparson	IFBIL	Delivery Date	Payment Terms
Scott Moore	2015-012	6-10 weeks ARO	Net 30 Days

Description	Qty.	Unit Price	Discount	Line Total
Item 0001- Ebara K series submersible pump (Product ID-100DLKFU622), 30HP, 460/3, 75' long power cord	3	\$10,705	0%	\$32,115.00
Item 0002- quick discharge connector accessory for each pump (Product ID-LL100)	3	\$438	0%	\$1,314.00
ltem 0003- spare impeller (Product ID- CDL12-2315K)	3	\$2,464	0%	\$7,392.00
ltem 0004- spare suction cover (Product ID- CDL11-1025K)	3	\$675	0%	\$2,025.00
Freight FOB Destination Included			0%	Included
		Total Discount	\$0.00	\$0.00
		S	ubtotal Bid	\$42,846.00
City of Northgienn is respo	nsible f	or any applicable	Sales Tax	\$0.00
			Total Bid	\$42,846.00

Quotation prepared by: Paula McClure

This is a quotation on only the goods and services named above. This is an all or nothing quotation. Installation and start-up are not included in this proposal.

Make all checks payable to:

Filtmore Technologies LLC

Mr. Mel Manning 330 S. Stratford Drive Henderson, NC 27537

Phone: 252-430-7571

Thank you for your business!

Model DLFU K 52R1L'S
Specifications

	Standard	Optional
Size	2, 3, 4, 6, 8, 10, 12 inch	
Range of HP Range of Performance	2 to 60 HP Capacity 13 to 4000 GPM Head 7 to 243 feet	
Limitation Maximum Water Temperature	104°F (40°C)	
Synchronous Speed	1800 RPM	
Materials Casing Impeller Shaft	Cast Iron Cast Iron (2 to 60HP) Ductile Iron (150-300 DLFU 40 to 60 HP) 403 Stainless Steel (2 to 5HP) 420 Stainless Steel (7½ to 60HP)	
Motor Frame Fastener	Cast Iron 304 Stainless Steel	
Mechanical Seal Material – Upper Side Material – Lower Side Impeller Type	Double Mechanical Seal Carbon/Ceramic (2 to 60HP) Silicon Carbide/Silicon Carbide (2 to 60HP) Tungsten Carbide/Tungsten Carbide (150-300 DLFU 50 and 60HP only) Semi-open (2 to 30HP)	Tungsten Carbide/Tungsten Carbide Tungsten Carbide/Tungsten Carbide
Bearing Motor Three Phase	Enclosed (40 to 60HP) Prelubricated Ball Bearing Insulation Class F (2-5HP), H (71/2 to 60HP) 208/230/460V	FM Explosion Proof, Class 1, Division 1, Group C, D
Service Factor	1.15	/ `
Motor Protection Submersible cable	Thermal Detector – Klixons Mechanical Seal Leakage Detector – Float Switch 33 ft. (2 to 5HP) 50 ft. (71/2 to 60HP)	60 ft. (customer specified)
Accessories		QDC System

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A. General:

Provide submersible sewage pumps suitable for continuous duty operation underwater without loss of watertight integrity to a depth of 65 feet. Pump system design shall include a guide rail system be such that the pump will be automatically connected to the discharge piping when lowered into place on the discharge connection. The pump shall be easily removable for inspection or service, requiring no bolts, nuts, or other fasteners to be disconnected, or the need for personnel to enter the wet well. The motor and pump shall be designed, manufactured, and assembled by the same manufacturer.

B. Manufacturer:

EBARA International Corporation

C. Pump Characteristics:

Pumps shall conform to the following requirements:

Number of units Design flow (gpm) Design TDH (ft)

Minimum shut off head (ft)

RPM

Maximum HP

Minimum efficiency at design (%)

Minimum power factor at design (%) Voltage/HZ

Phase

208/230V, 460V / 60

- 3

1800

D. Pump Construction:

All major parts of the pumping unit(s) including casing, impeller, suction cover, wear rings, motor frame and discharge elbow shall be manufactured from gray cast iron, ASTM A-48 Class 30. Castings shall have smooth surfaces devoid of blow holes or other casting irregularities. Casing design shall be centerline discharge with a large radius on the cut water to prevent clogging. Units shall be furnished with a discharge elbow and 125 lb. flat face ANSI flange. All exposed bolts and nuts shall be 304 stainless steel. All mating surfaces of major components shall be machined and fitted with NBR O-rings where watertight sealing is required. Machining and fitting shall be such that sealing is accomplished by automatic compression of O-rings in two planes and O-ring contact is made on four surfaces without the requirement of specific torque limits. Internal and external surfaces are prepared to SPPC-VISI-SP-3-63 then coated with a zinc-chromate primer. The external surfaces are then coated with a H.B. Teneme-Tar 46H-413 Polyamide Eppxy - Coal Tar paint

1. Impellers:

- a. For units 2 to 5 HP, the impeller shall be radial single or multi-vane, semi-open design. It shall be dynamically balanced and shall be designed for solids handling with a long thrulet without acute turns. The inlet edge of the impeller vanes shall be angled toward the impeller periphery so as to facilitate the release of objects that might otherwise clog the pump. The 2 to 5 HP impeller design shall also include back pump out vanes to reduce the pressure and entry of foreign materials into the mechanical seal area. In addition, a lip seal shall be located behind the impeller hub to further reduce the entry of foreign materials into the seal area. Impellers shall be direct connected to the motor shaft with a slip fit, key driven, and secured with an impeller bolt. The design shall include a replaceable cast iron suction cover. The suction cover shall be designed such that it may be adjusted to maintain working clearances and hydraulic efficiencies.
- b. For units 71/2 to 30 HP, the impeller shall be a mixed flow multi-vane semi-open design. It shall be dynamically balanced and shall be designed for solids handling with a long thrulet without acute turns. The inlet edge of the impeller vanes shall be angled toward the impeller periphery so as to facilitate the release of objects that might otherwise clog the pump. The 71/2 to 30 HP impeller design shall also include back pump out vanes to reduce the pressure and entry of foreign materials into the mechanical seal area. In addition, a lip seal shall be located behind the impeller hub to further reduce the entry of foreign materials into the seal area. Impellers shall be direct



connected to the motor shaft with a slip fit, key driven, and secured with an impeller bolt. The design shall include a replaceable cast iron suction cover. The suction cover shall be designed such that it may be adjusted to maintain working clearances and hydraulic efficiencies.

- c. For high head units with 4" discharge, 40 to 60 HP shall have a radial multi-vane, enclosed impeller design. It shall be dynamically balanced and shall be designed for solids handling with a long thrulet without acute turns. The inlet edge of the impeller vanes shall be angled toward the impeller periphery so as to facilitate the release of objects that might otherwise clog the pump. A lip seal shall be located behind the impeller hub to reduce the entry of foreign materials into the mechanical seal area. Impellers shall be direct connected to the motor shaft with a slip fit, key driven, and secured with an impeller bolt. The design shall include a replaceable casing wear ring at the pump suction to maintain working clearances and hydraulic efficiencies.
- d. For units 6" to 12" discharge sizes, 40 to 60 HP, the impeller shall be a mixed flow multi-vane enclosed design. It shall be dynamically balanced and shall be designed for solids handling with a long thrulet without acute turns. The inlet edge of the impeller vanes shall be angled toward the impeller periphery so as to facilitate the release of objects that might otherwise clog the pump. A lip seal shall be located behind the impeller hub to reduce the entry of foreign materials into the seal area. Impellers shall be direct connected to the motor shaft with a slip fit, key driven, and secured with an impeller bolt. The design shall include a replaceable casing wear ring at the pump suction to maintain working clearances and hydraulic efficiencies.

Optional K-series design:

- e. For units 2 to 5 HP, the impeller shall be radial single or multi-vane, semi-open design. It shall be dynamically balanced and shall be designed for solids handling with a long thrulet without acute turns. The inlet edge of the impeller vanes shall be angled toward the impeller periphery so as to facilitate the release of objects that might otherwise clog the pump. The 2 to 5 HP impeller design shall also include back pump out vanes to reduce the pressure and entry of foreign materials into the mechanical seal area. In addition, a lip seal shall be located behind the impeller hub to further reduce the entry of foreign materials into the seal area. Impellers shall be direct connected to the motor shaft with a slip fit, key driven, and secured with an impeller bolt. The design shall include a replaceable cast iron suction cover. The suction cover shall contain a groove(s) perpendicular to the suction opening to disrupt fibrous solids that may otherwise become lodged between the impeller and suction cover. The suction cover shall be designed such that it may be adjusted to maintain working clearances and hydraulic efficiencies.
- f. For units 71/2 to 30 HP, the impeller shall be a mixed flow multi-vane semi-open design. It shall be dynamically balanced and shall be designed for solids handling with a long thrulet without acute turns. The inlet edge of the impeller vanes shall be angled toward the impeller periphery so as to facilitate the release of objects that might otherwise clog the pump. The 71/2 to 30 HP Impeller design shall also include back pump out vanes to reduce the pressure and entry of foreign materials into the mechanical seal area. In addition, a lip seal shall be located behind the impeller hub to further reduce the entry of foreign materials into the seal area. Impellers shall be direct connected to the motor shaft with a slip fit, key driven, and secured with an impeller bolt. The design shall include a replaceable cast iron suction cover. The suction cover shall contain a groove(s) perpendicular to the suction opening to disrupt fibrous solids that may otherwise become lodged between the impeller and suction cover. The suction cover shall be designed such that it may be adjusted to maintain working clearances and hydraulic efficiencies.

2. Mechanical Seals

- a. For units 2 to 5 HP, double mechanical seals operating in an oil bath shall be provided on all units. The oil filled seal chamber shall be designed to prevent over-filling and include an anti-vortexing vane to insure proper lubrication of both seal faces. Lower face materials shall be silicon carbide, upper faces carbon vs. ceramic, NBR elastomers, and 304SS hardware. Seal system shall not rely on pumping medium for lubrication.
- b. Units 71/2 to 60 HP shall be designed to include a double mechanical seal in a tandem arrangement. Each seal shall be positively driven and act independently with its own spring system. The upper seal operates in an oil bath, while the lower seal is lubricated by the oil from between the shaft and the seal faces, and in contact with



the pumpage. The oil filled seal chamber shall be designed to prevent over-filling and include an anti-vortexing vane to insure proper lubrication of both seal faces. Lower face materials shall be silicon carbide (tungsten carbide for 150-300 DLF 50 & 60 HP only), upper faces carbon vs. ceramic, NBR elastomers, and 304SS hardware. Seal system shall not rely on pumping medium for lubrication.

E. Motor Construction:

The pump motor shall be an air filled induction type with a squirrel cage rotor, shell type design, built to NEMA MG-1, Design B specifications. Stator windings shall be copper, insulated with moisture resistant Class H insulation, rated for 356°F. The stator shall be dipped and baked three times in Class H varnish and heat shrunk fitted into the stator housing. Rotor bars and short circuit rings shall be manufactured of cast aluminum. Motor shaft shall be one piece Al\$I403 for 2 to 5 HP, Al\$I420 for 71/2 to 60 HP, rotating on two permanently lubricated ball bearings designed for a minimum B-10 life of 60,000 hours. Motor service factor shall be 1.15 and capable of up to 20 starts per hour. The motor shall be designed for continuous duty pumping at a maximum sump temperature of 104°F. Voltage and frequency tolerances shall be a maximum 10 / 5% respectively. Motor over temperature protection shall be provided by miniature thermal protectors embedded in the windings. Mechanical seal failure protection shall be provided by a mechanical float switch located in a chamber above the seal. This switch shall be comprised of a magnetic float that actuates a dry reed switch encapsulated within the stem. Should the mechanical seal fail, liquid shall be directed into the float chamber, in which the rising liquid activates the switch opening the normally closed circuit. For units 2 to 30 HP the float body and float shall be a polypropylene material with a 316SS stopper. Units 40 HP and greater, the float switch components shall be 304SS. The motor shall be non-overloading over the entire specified range of operation and be able to operate at full load intermittently while unsubmerged without damage to the unit.

Power cable jacket shall be manufactured of an oil resistant chloroprene rubber material, designed for submerged applications. Cable shall be watertight to a depth of a least 65'. The cable entry system shall comprise of primary, secondary, and tertiary sealing methods. The primary seal shall be achieved by a cylindrical elastomeric grommet compressed between the motor cover and a 304SS washer. Secondary sealing is accomplished with a compressed O-ting made of NBR material. Compression and subsequent sealing shall preclude specific torque requirements. The system shall also include tertiary sealing to prevent leakage into the motor housing due to capillary action through the insulation if the cable is damaged or cut. The cable wires shall be cut, stripped, re-connected with a copper butt end connector, and embedded in epoxy within the cable gland. This provides a dead end for leakage through the cable insulation into the motor junction area. The cable entry system shall be the same for both the power and control cables.

F. Guide Rail system:

Design shall include two (2) 304SS schedule 40 guide rails sized to mount directly to the quick discharge connector, QDC, at the floor of the wetwell and to a guide rail bracket at the top of the wetwell below the hatch opening, (refer to project drawings). Intermediate guide brackets are recommended for rail lengths over 15 feet.

Guide rails are not part of the pump package and shall be supplied by others.

The QDC shall be manufactured of cast iron, ASTM A48 Class 30. It shall be designed to adequately support the guide rails, discharge piping, and pumping unit under both static and dynamic loading conditions with support legs that are suitable for anchoring it to the wetwell floor. The face of the inlet QDC flange shall be perpendicular to the floor of the wetwell. The discharge flange of the QDC shall conform to ANSI B16.1 Class 125.

The pump design shall include an integral self-aligning sliding bracket. Sealing of the pumping unit to the QDC shall be accomplished by a single, linear, downward motion of the pump. The entire weight of the pump unit shall be guided to and wedged tightly against the inlet flange of the QDC, making metal to metal contact with the pump discharge forming a seal without the use of bolts, gaskets or O-rings.

A stainless steel lifting chain of adequate length for removing and installing the pump unit is recommended. The chain shall have a round link with a 2-1/4" inside diameter every two feet. This link will allow for a sliding pinch bar through the link to pick the chain, more than once if necessary, at multiple intervals during pump removal and installation.



A. General:

Provide FM explosion proof submersible non clog sewage pumps suitable for continuous duty operation underwater without loss of watertight integrity to a depth of 65 feet. Pump system design shall include a guide rail system be such that the pump will be automatically connected to the discharge piping when lowered into place on the discharge connection. The pump shall be easily removable for inspection or service, requiring no bolts, nuts, or other fasteners to be disconnected, or the need for personnel to enter the wet well. The motor and pump shall be designed, manufactured, and assembled by the same manufacturer.

B. Manufacturer:

EBARA International Corporation

C. Pump Characteristics:

Pumps shall conform to the following requirements:

Number of units
Design flow (gpm)
Design TDH (ft)

Minimum shut off head (ft)

RPM

1800

Maximum HP

Mihimum efficiency at design (%) Mihimum power factor at design (%)

Voltage/HZ Phase

208/230V, 460V / 60

- 3

D. Pump Construction:

All major parts of the pumping unit(s) including casing, impeller, suction cover, wear rings, motor frame and discharge elbow shall be manufactured from gray cast iron, ASTM A-48 Class 30. Castings shall have smooth surfaces devoid of blow holes or other casting irregularities. Casing design shall be centerline discharge with a large radius on the cut water to prevent clogging. Units shall be furnished with a discharge elbow and 125 lb. flat face ANSI flange. All exposed bolts and nuts shall be 304 stainless steel. All mating surfaces of major components shall be machined and fitted with NBR O-rings where watertight sealing is required. Machining and fitting shall be such that sealing is accomplished by automatic compression of O-rings in two planes and O-ring contact is made on four surfaces without the requirement of specific torque limits. Internal and external surfaces are prepared to SPPC-VISI-SP-3-63 then coated with a zinc-chromate primer. The external surfaces are then coated with a H.B. Teneme-Tar 46H-413 Polyamide Epoxy - Coal Tar paint.

1. Impeliers:

- a. For units 2 to 5HP, the impeller shall be single or radial multi-vane, semi-open design. It shall be dynamically balanced and shall be designed for solids handling with a long thrulet without acute turns. The inlet edge of the impeller vanes shall be angled toward the impeller periphery so as to facilitate the release of objects that might otherwise clog the pump. The 2 to 5 HP impeller design shall also include back pump out vanes to reduce the pressure and entry of foreign materials into the mechanical seal area. In addition, a lip seal shall be located behind the impeller hub to further reduce the entry of foreign materials into the seal area. Impellers shall be direct connected to the motor shaft with a slip fit, key driven, and secured with an impeller bolt. The design shall include a replaceable cast iron suction cover. The suction cover shall be designed such that it may be adjusted to maintain working clearances and hydraulic efficiencies.
- b. For units 71/2 to 30 HP, the impeller shall be a mixed flow multi-vane semi-open design. It shall be dynamically balanced and shall be designed for solids handling with a long thrulet without acute turns. The inlet edge of the impeller vanes shall be angled toward the impeller periphery so as to facilitate the release of objects that might otherwise clog the pump. The 71/2 to 30 HP impeller design shall also include back pump out vanes to reduce the pressure and entry of foreign materials into the mechanical seal area. In addition, a lip seal shall be located behind the impeller hub to further reduce the entry of foreign materials into the seal area. Impellers shall be direct



3/81/15 BM 11:3/am

INVITATION FOR BID

FINAL BID PACKAGE

PROJECT NAME: FOX RUN LIFT STATION SUBMERSIBLE PUMPS BID NUMBER: IFB-2015-012

> Bids Due Date: March 31, 2015 Time: 2:00 p.m.



PREPARED BY CITY OF NORTHGLENN PUBLIC WORKS DEPARTMENT 11701 Community Center Drive Northglenn, CO 80233 HAT BY BELLEVIET BERKER

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BID NO <u>IFB-2015-012</u>

ISSUE DATE March 18, 2015

INVITATION FOR BID (IFB) COVER SHEET

solu	COVER SHEET	
BID TITLE: Fox Run Lift Stat	ion Submersible Pumps	
SUBMISSION DEADLINE:	2:00 p m on March 31, 2015	
LOCATION:	City Clerk's Office 11701 Community Center Dr Northglenn CO 80233 bids@northglenn.org www govbids com	
CONTACT:	Tom Kawamoto, Civil Engineer II	-
EMAIL:	tkawamoto@northglenn.org	_
PHONE:	303-450-8837	_
Bidding instructions and drawing http://govbids.com/scripts/col/pt MANDATORY PREBID CONFERENCE: No	·	E-Purchasing website at.
		at N/A
LOCATION: N/	Λ	
conditions, requirements, and ins with all provisions of the contract this solicitation and fully unders offer, (4) that the offer is being si	structions of this bid as stated or implie of documents and technical specification stands and accepts them unless specific abmitted on behalf of the vendor in acco	at of the vendor, (2) he/she has read all terms and d, (3) the vendor warrants that he/she is familiar is which were made available in conjunction with variations have been expressly listed in his/her ordance with any terms and conditions set forth in just match all contract and insurance documents
	PRINT OR TYPE YOUR INFORM	MATION
Address 65 West Mani Contact Person Seial Pate		Number 412-921-7425 y. State Zip Pittsburgh, PA-15220 Sales Rep. no 412-921-7424

BID FORM

City of Northglenn 11701 Community Center Drive Northglenn, Colorado 80233-8061
BID. Pursuant to the "advertisement for bids" for the above named project, and being familiar with all contractual requirements therefore, the undersigned bidder hereby proposes to furnish all labor, materials, tools, supplies, equipment; transportation, services and all other things necessary for the completion of the contractual work, and perform the work in accordance with the requirements and intent of the contract documents, within the time of completion set forth herein; for, and in consideration of the following prices—as specified.
Proposal of Bhayana Brothers LLC (hereinafter called BIDDER) organized and existing under the laws of the State of PA doing business as Bhayana Brothers To
the CITY OF NORTHGLENN (hereinaster called CITY). In compliance with your advertisement for bids, BIDDER
hereby proposes to perform WORK on furnish and deliver the:
Fox Run Lift Station Submersible Pumps 1FB-2015-012
in strict conformance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below
By submission of this BID, each BIDDER certifies, and in case of a joint BID each party thereto certifies as to his
own organization that this BID has been arrived at independently, without consultation, communication, or agreement as to
any matter relating to this BID with any other BIDDER or with any competitor.
BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the
NOTICE TO PROCEED and to fully complete the PROJECT as indicated in the General Conditions.
BIDDER acknowledges receipt of the following ADDENDUM:
Addendum No. 1, 3/24/2015

^{*}Insert "a corporation", "a partnership", or "an individual" as applicable.

BID SUMMARY

Bhayana Brothers L2C (Vendor Name)

Hereby submits to the City of Northglenn, Colorado the following bid items, complete and in place, as specified for the:

Fox Run Lift Station Submersible Pumps

IFB-2015-012

Item	Description .	Quantity	Unit	Unit Cost	Total Cost
1	30-HP EBARA K-Series Non-Clog Submersible Wastewater Pump	3	ΈA	s 11780.22	s 35340-6
2	Quick Discharge Connector	3	EA	\$ 3578-00	\$ 10734.06
3	Spare Impeller	3	EA		\$ 8976.45
4	Spare Suction Cover (Wear Ring)	3	EA	\$ 794.35	s 2383.0

TOTAL FOR ALL ITEMS 57434.22

Thry four dollars - 22/100

SPONSORED BY: MAYOR DOWNING COUNCILMAN'S RESOLUTION RESOLUTION NO. No. CR-54 Series of 2015 Series of 2015 A RESOLUTION AUTHORIZING THE CITY MANAGER TO ISSUE A PURCHASE ORDER TO SUPERIOR SALES, INC. IN AN AMOUNT NOT TO EXCEED \$41,961 FOR THE PURCHASE OF THREE SUBMERSIBLE PUMPS FOR THE FOX RUN LIFT STATION BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTHGLENN, COLORADO, THAT: Section 1. The City Manager is hereby authorized to issue a Purchase Order to Superior Sales, Inc. in an amount not to exceed \$41,961.00 for the purchase of three submersible pumps for the Fox Run Lift Station. DATED at Northglenn, Colorado, this _____ day of _______, 2015. JOYCE DOWNING Mayor ATTEST: JOHANNA SMALL, CMC City Clerk APPROVED AS TO FORM: COREY Y. HOFFMANN

City Attorney