



**CITY OF LOVES PARK  
AGENDA  
PUBLIC WORKS COMMITTEE  
January 10, 2022  
5:15 P.M.  
Loves Park City Council Chambers**

- I. Approval of Minutes
  - A. Approval of Minutes from the January 3, 2022 meeting.
- II. Resolutions & Ordinances
  - A. Resolution authorizing the Water Department Manager to hire Soluient Technologies, LLC for removal of Backwash residuals at Well #4 and Well #6 for a cost of \$18,301.00 and hire Northern A-1 Environmental Services for disposal of backwash residuals at well #4 and Well #6 for a cost of \$110,375.00
  - B. Resolution authorizing the Water Department Manager to hire Midwest Well Services, INC. dba: Municipal Well & Pump to remove and assess pumping equipment for emergency repairs at Well #6 for the cost of \$24,759.00
  - C. Resolution authorizing the Water Department Manager to purchase 2020 feet of ten-inch water main from Core and Main for the River Lane Phase Two water main project for a cost of \$63,569.00.
  - D. Resolution authorizing the Water Department Manager to seek bids for the rehabilitation and painting of tower #1 with the assistance of Fehr Graham Engineering and Environmental
- III. Project Updates/Directors Report:
- IV. General Discussion/Public Comment

*Public Comments will be taken upon registration with City Clerk's Office prior to meeting. Please contact Loves Park City Clerk's Office at 815-654-5034 to participate in the Public Comment.*
- V. Adjourn



## PUBLIC WORKS COMMITTEE MEETING MINUTES

DATE OF MEETING: January 3, 2022

CALLED TO ORDER: 5:15 P.M.

MEMBERS PRESENT: Ald. Holmes, Ald. Peterson, Ald. J Jacobson, Ald. Schlensker

ALSO PRESENT: Mayor Jury, Steve Thompson, Ald. Puckett, Ald. Thompson, Ald. Allton, Ald. Pruitt, Attorney Galluzzo and Shannon Messinger

APPROVAL OF MINUTES: December 6, 2021

Ald. J. Peterson moved to approve said motion. Ald. Holmes seconded said motion.

Motion carried 4 ayes – 0 nays

### MATTERS PROPOSED, DISCUSSED OR DECIDED AND RECORD OF VOTES TAKEN:

1. A Resolution was discussed authorizing the Street Department Manager to hire Fehr Graham & Associates for professional civil engineering services for improvement for Loves Park Creek Phase 2 Stream Improvement Design. Shannon Messinger explained the project scope.

Ald. Holmes moved to approve said motion. Ald. Peterson seconded said motion.  
Motion carried 4 ayes – 0 nays

2. A Resolution was discussed authorizing the Street Department Manager to sign a contract with ArcDesign Resources for preliminary engineering for the reconstruction of Riverside/Argyle Intersection. Work to consist of Field Work/Partial Survey, Drainage, Investigation/Design Report & Topographic Survey, Right-of-Way, etc. Shannon Messinger explained the project scope.

Ald. Peterson moved to approve said motion. Ald. Holmes seconded said motion.  
Motion carried 4 ayes – 0 nays

3. A Resolution was discussed authorizing the Street Department Manager to sign a contract with ArcDesign Resources for preliminary engineering for the reconstruction of Paulson Road Interim. Work to consist of Field Work/Partial Survey, Drainage Investigation/Design Report & Topographic Survey, Right-of-Way, etc. Shannon Messinger explained the project scope.

Ald. Peterson moved to approve said motion. Ald. Holmes seconded said motion.  
Motion carried 4 ayes – 0 nays

Alderman Peterson moved for adjournment at 5:26 p.m.; seconded by Alderman Holmes  
The motion to adjourn was approved by a vote of 4 ayes – 0 nays.

**RESPECTFULLY SUBMITTED, ROB SCHLENSKER-CHAIRMAN OF THE PUBLIC WORKS COMMITTEE**

# City of Loves Park

## Department of Public Works

By Alderman Robert Schlensker Resolution No. \_\_\_\_\_

Date: January 10, 2022

**RESOLVED, by the adoption of this Resolution,** The Water Department Manager is authorized to hire Soluient Technologies, LLC, 6616 Promway Avenue, NW, North Canton Ohio, 44720, for removal of Backwash residuals at well #4 and Well #6 for a cost of \$18,301.00 and hire Northern A-1 Environmental Services 3947 US 131 North, P.O. Box 1030 Kalkaska, Michigan 49646 for disposal of backwash residuals at well #4 and Well #6 for a cost of \$110,375.00.

Funds shall be drawn from Account No. 31-51-4118 (Backwash Residuals Removal/Disposal)

\_\_\_\_\_  
Gregory R. Jury – Mayor

\_\_\_\_\_  
Robert Schlensker – Public Works Chairman

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John Jacobson – Vice Chairman

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A. Marie Holmes – Alderman

\_\_\_\_\_  
Attest: Robert J. Burden, City Clerk

\_\_\_\_\_  
Mark Peterson – Alderman

Motion:

Second:

Voting:



SOLUTIENT TECHNOLOGIES  
5208 Mayfair Road  
North Canton, OH 44720  
PH: 330-497-5905  
FAX: 330-497-2045

DATE: 5 January 2022

TO: Mr. Craig McDonald, Department Manager  
City of Loves Park Water Department  
5440 Walker Avenue  
Loves Park, IL 61111  
PH: 815-877-1421

FROM: Randy Farneth  
Email: [rfarneth@solutientech.com](mailto:rfarneth@solutientech.com)  
CELL: 330-936-5053

RE: Removal, Transportation and Disposal of Radioactive Backwash Residuals

Thank you for the opportunity to provide our proposal and corresponding costing for the evacuation, manifesting and transportation for disposal of radioactive backwash residuals originating at Well # 5, 7935 Harlem Road.

#### BACKGROUND STATEMENT

Mr. McDonald is prohibited by local authorities from releasing backwash residuals originating at the Well # 5 site to the receptor sanitary sewer system. As a result Mr. McDonald accumulates said residuals in a holding tank at the Harlem Road water plant.

On 30 November Mr. McDonald contacted Solutient Technologies, LLC (Solutient) requesting costing for the removal of an estimated 2,200 cuft ( 16,880 gal) from the residuals holding tank at the Harlem Road site.

Analytical data received concurrently with the request for costing indicates that the material contains 1945 pCi/gm combined Radium 226-228, which exceeds the Illinois Emergency Management Agency maximum limitations for disposal at an Illinois solid waste landfill, and necessitates, therefore, that the backwash residuals be handled as radiological material, subject to processing and/or disposal at a facility licensed to accept same.

IEMA regulations require that a licensed Radioactive Materials Contractor be utilized for the removal process. As such, Solutient will make use of its Radioactive Materials License in concert with reciprocity provided by the State of Illinois IEMA.

The levels of radioactivity associated with this material precludes its acceptance by many of the most well-known low level radioactive materials disposal facilities and require its transportation by IDOT-licensed hazardous materials contractors as a Class 7 waste.

## OPERATIONS OVERVIEW

The clean standard for this project will be that of visibly clean, in that the City of Loves Park intends to continue raw water treatment and the production and storage of radioactive sludge resulting therefrom. The process of removal requires entry into the storage tank, which is considered a confined space entry. Solutient radiological technicians possess the requisite confined space qualifications and the instrumentation and equipment with which to proceed. Supplemental lighting and radon/four-gas monitoring instrumentation will be used to assist in protecting Solutient's confined space technicians.

Upon notice of award, Solutient will draft a site-specific Health and Safety Plan (HASP) and a Radiological Materials Plan (RMP) that is based on Loves Park's proposed start date, hours of operation and shared job responsibilities. Additionally, Solutient will notify IEMA of the proposed project and the inclusive dates thereof, will obtain the requisite IDOT tracking system permit numbers, and will submit the waste profile for approval by the processor/disposal contractor.

## TECHNICAL APPROACH

Upon arrival at the job site, Solutient will perform the following job tasks:

- Meet with City of Loves Park to review work plan and site logistics
- Perform site orientation and radiation safety orientation
- Establish radiation control area and perform pre-remediation radiological survey
- Establish air flow and external ventilation system to exhaust radon from storage tank and to provide supplemental breathing air to the storage tank
- Take appropriate steps to protect City of Loves Park property from spills/contamination
- Stage high-volume super sucker and semi haul truck(s)
- Run hoses from storage tank to super sucker to haul trucks
- Issue confined space permit, monitor tank atmosphere, assemble and place confined space apparatus
- Ensure lockout/tagout of plant processing equipment
- Test walkie-talkie system
- Don appropriate Personal Protective Equipment

## PROJECT MANAGEMENT

Solutient will maintain overall project supervision and management. Northern A-1 Environmental Services will provide trucking (evacuation, transportation and processing/disposal services) under separate contract due to the fact that final disposal costing can only be estimated at this time and is dependent on the volume of waste as received at the disposal facility and upon the volume of material required to reduce the pCi/gm levels to Subtitle D acceptance parameters.

## ESTIMATED COST

Estimated time-to-completion is three days. Actual time to completion will dictate the invoiced costs.

Reciprocity	\$ 1,250.00	
Mobilization	3,048.00	
Truck & Trailer	900.00	
Equipment, Materials and Supplies	1,315.00	
Labor	6,486.00	
Per Diems	1,940.00	
Demobilization	3,048.00	
Disposal of PPE etal	314.00	
	<b>TOTAL</b>	<b>\$ 18,301.00</b>

## CONDITIONS & QUALIFIERS

Solutient will make every effort to meet the project schedule as finalized by Owner and Solutient upon receipt of City of Loves Park Purchase Order. We estimate the time-to-completion at three (3) working days, excluding mobilization and demobilization. Weather conditions may impact the project schedule.

Solutient will have clear routes of access and egress to the water plant.

There is sufficient paved footprint contiguous to the water plant and tank upon which to stage both the super-sucker and the bulk tanker.

Evacuation, transportation and separation/solidification will be performed by Northern A-1 under separate contract, a copy of which is attached.

Solutient will have access to valving and to non-potable water.

Solutient personnel will have access to utilities, including restrooms, electricity and potable water.

The City of Loves Park will institute lockout/tagout procedures on all equipment associated with operation of the tank and associated systems.

Should you wish for the City of Loves Park to be named as additional insured, please advise at your earliest convenience.

Should questions arise regarding this proposal or the methods employed, please contact the undersigned at 330-497-5905, CELL 330-936-5053 or via email at [rfarneth@solutientech.com](mailto:rfarneth@solutientech.com)

Respectfully,  
SOLUTIENT TECHNOLOGIES, LLC

Randy Farneth



3947 US 131 North, P.O. Box 1030 / Kalkaska, Michigan 49646 / Tel. (231) 258-9961 / Fax (231) 258-9971  
1680 Peach Street/ Whitehall, Michigan 49461 / Tel (231) 893-1173/ Fax (231) 893-1193  
2510 Saidla Road/ Kalamazoo, Michigan 49001 / Tel (269) 359-7503 / Fax (231) 893-1193

City of Loves Park  
Mr. Craig McDonald  
Water Division Superintendent  
540 Walker Ave  
Loves Park, IL 61111

January 3, 2022

RE: Cost for Pumping / Transportation / Disposal of 17,000 Gallons of Norm Waste

Dear Mr. McDonald:

Northern A-1 Services, Inc. (NA-1) is pleased to provide you with an outline of the costs involved for the above referenced project. Please find the estimated costs for this project based on NA-1 providing vacuum tankers to load the material and haul for disposal. Costs are portal to portal and are as follows.

Cusco High Vac Tanker (to vac out of pits) .....	\$ 180.00/Hour
Hazmat DOT 7 Vacuum Tankers (to haul waste).....	\$ 195.00/Hour/Each
Perdiem (in-cab trucker).....	\$ 125.00/Night/Each
Disposal Sludge (0 – 199 pCi/gr PB210) .....	\$ 4.00/Gallon
Environmental Profiling Fee.....	\$ 150.00/Site
Tanker Wash Out Fee (when project complete) .....	\$ 250.00/Each
After Hour Dump Fee (Monday through Friday after 4:00pm).....	\$ 250.00/Dump
Saturday Dumping Fee .....	\$ 350.00/Dump
Sunday Dumping Fee .....	\$ 500.00/Dump
Tolls (if required).....	\$ Cost + 15%
Lodging (Cusco Driver staying in area) .....	\$ Cost + 15%
Perdiem (Cusco Driver staying in area).....	\$ 75.00/Night
Overtime (After 8 hours Monday – Friday).....	\$ 25.00/Hour/Man
Overtime (Saturday all day).....	\$ 50.00/Hour/Man
Overtime (Sunday all day).....	\$ 75.00/Hour/Man

It is NA-1's estimate to pump, truck and dispose of the waste per your analysis falling into the category 0-199 pCi/gr PB210 and the combined norm putting this into a Class 7 DOT Regulation for hauling is \$110,375.00 This is based on 17,000 estimated gallons with the contractor Solution Technologies being on site and loading the trucks in two (2) working days. This estimate does not include any weekend rates or overtime.

An EIS surcharge of 9% will apply to all invoices and is already applied to the estimate.

If the material is shown to be other than described and/or if site conditions are found to be such that additional equipment or services are required for safe removal of these materials, a cost re-evaluation will be required.

A fuel surcharge will be applied to all fuel consuming items, the operator, and subcontractors. The percentage is subject to change based on current market.

If you accept the terms of this proposal, please sign below, and **return a copy** to my attention via fax or mail. All work referenced above in this proposal will be invoiced directly to you, unless Northern A-1 is otherwise instructed. If you have any questions or comments, please feel free to give me a call. Thank you for the opportunity to provide you with this quote.

PROPOSAL SUBMITTED BY: Robert Scott / [Robert.scott@gflenv.com](mailto:Robert.scott@gflenv.com) / Cell (231) 624-7114

**ACCEPTANCE OF PROPOSAL**

Purchaser: \_\_\_\_\_  
Company Name

By: \_\_\_\_\_  
Specify Title

# City of Loves Park

## Department of Public Works

By Alderman Robert Schlensker Resolution No. \_\_\_\_\_

Date: January 10th, 2022

**RESOLVED, by the adoption of this Resolution,** The Water Department Manager is authorized to hire Midwest Well Services, INC. dba: Municipal Well & Pump, 1212 Storbeck Drive, Waupun WI. 53963, to remove and assess pumping equipment for emergency repairs at well #6 for the cost of \$24,759.00.

Funds shall be drawn from Account No. 31-51-4117 (Well 6 Facility)

\_\_\_\_\_  
Gregory R. Jury – Mayor

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Robert Schlensker – Public Works Chairman

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John Jacobson – Vice Chairman

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A. Marie Holmes – Alderman

\_\_\_\_\_  
Attest: Robert J. Burden, City Clerk

\_\_\_\_\_  
Mark Peterson – Alderman

Motion:

Second:

Voting:



January 5, 2022

City of Loves Park  
Att: Craig McDonald  
100 Heart Blvd.  
Loves Park, IL 61111

Subject: Loves Park Well #6: Removal & Inspection

Dear Mr. McDonald:

Municipal Well & Pump is pleased to provide the City of Loves Park our proposal for removal and inspection of your well #6 Pumping equipment.

We were called the afternoon of January 4<sup>th</sup>, 2022 and it was reported that the well pump had tripped out. When re-set, the unit attempted to run and drew an amperage of 600-amps, which is excessively high and is an indication of locked rotor. The normal full load amps of the motor are 89-amps.

We arrived on site Wednesday morning, January 5<sup>th</sup> at 9:30am. With Doug and myself, we reviewed again what had happened, and locked-out and tagged-out the power supply to the drive and transformer. Doug called the electrician and reviewed the process to de-activate the transformer so we could “meg” the motor. “Megging” the motor is the process by which you apply a DC voltage to the motor leads to measure the integrity of the motor windings.

We removed the motor leads from the transformer and megged each lead of the motor. The readings were “zero” on all the legs, indicating a dead short. We also removed the Pitless adapter cover to investigate the motor splices at the well head. All three splices showed no heat or shortage. It should be noted that Doug thought he smelled electrical burn smell when we removed the cover. This is indicative of a catastrophic motor failure.

The equipment must be removed for inspection to determine the failure and investigate what needs to be done.

The column pipe will be inspected on site determine if anything needs to be done. The bowl assembly, motor and cable will be brought back to our shop for further analysis.

The bowls will be disassembled and inspected. The cable will be shop tested, under water, for integrity. If necessary, the motor will be secured and shipped to an authorized repair facility for inspect and repair estimates.

During our site visit, it was mentioned that the submersible motor had been converted to a mechanical seal. Should the motor still have the mercury seal, addition precautions will have to be made for removal and shipment. These costs will be additional.

On behalf of Municipal Well & Pump, we appreciate the opportunity to be of service to you and the City of Loves Park.

Very Truly Yours  
MUNICIPAL WELL & PUMP

*Mark Mueller*



Mark Mueller  
Project Manager

Richard N Milaeger  
Executive Vice President



**MUNICIPAL**  
WELL & PUMP  
A Division of Midwest Well Services, Inc.

**Project Proposal**

Re: Loves Park #6: Pull & Inspect

Item #	Item Description	Quantity	Units	Unit Price	Extended Price
1	Mobilization-3 men & Equipment	5	Hours	\$ 690.00	\$ 3,450.00
2	Set-up Service Rig & Pull Pump Set to 523-ft. on 10-inch	15	Hours	690.00	10,350.00
3	Load Motor, Bowls & Cable	5	Hours	690.00	3,450.00
4	Demobilization	3	Hours	690.00	2,070.00
5	Disassemble Bowls & Report	5	Hours	372.00	1,860.00
6	Shop Tank Test Cable	4	Hours	372.00	1,488.00
7	Prep Motor for shipment	4	Hours	180.00	720.00
8				-	-
9	Per Diem: 3-men	3	Days	457.00	1,371.00
10				-	-
11				-	-
12				-	-
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14				-	-
15				-	-
16				-	-
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48				-	-
<b>Total Project Proposal</b>					<b>\$ 24,759.00</b>

**Dated:** January 5, 2022

**By:**

**Dick Milaeger**

Dick Milaeger  
Vice President Sales  
Municipal Well & Pump

**CITY OF LOVES PARK**

**ALDERMAN: Robert Schlensker**

**RESOLUTION NO.:**

**DATE: January 10th, 2022**

**DEPARTMENT: Public Works Committee**

**RESOLVED, by the adoption of this Resolution,** The Water Department Manager is authorized to purchase 2020 feet of ten-inch water main from Core and Main, 6829 Irene Road, Belvidere Illinois 61008, for the River Lane Phase Two water main project for a cost of \$63,569.00.

Funds shall be taken from Account # 31-00-1955 (River Lane Water Main)

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**Chairman Ald. J. Jacobson**

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**Vice – Chairman Ald. M. Peterson**

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**Ald. Mark Peterson**

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**Ald. C. Frykman**

\_\_\_\_\_  
**Mayor Gregory R. Jury**

\_\_\_\_\_  
**Attest: City Clerk Robert J. Burden**

**MOTION:**

**SECOND:**

**VOTING:**



# Bid Proposal for River Lane 10" C900 Quote

CUSTOMER

**LOVES PARK WATER DEPARTMENT**

5440 WALKER AVENUE  
LOVES PARK, IL 61111

**Job**

River Lane 10" C900 Quote  
Loves Park, IL  
Bid Date: 12/03/2021  
Bid #: 2099946

CONTACT

**Sales Representative**

ZACHARY SMITH  
(T) 815-544-3458  
(F) 815-544-3474  
ZACHARY.SMITH@coreandmain.com

**Core & Main**

6829 Irene Rd  
Belvidere, IL 61008  
(T) 815-544-3458

NOTES



Bid Proposal for River Lane 10" C900 Quote

LOVES PARK WATER DEPARTMENT

Job Location: Loves Park, IL

Bid Date: 12/03/2021

Core & Main 2099946

Core & Main

6829 Irene Rd

Belvidere, IL 61008

Phone: 815-544-3458

Fax: 815-544-3474

Seq#	Qty	Description	Units	Price	Ext Price
		<b>DUE TO CURRENT SUPPLY CHAIN DISRUPTIONS, MATERIALS ARE SUBJECT TO PRICING AT TIME OF SHIPMENT. MATERIAL AVAILABILITY AND TIMELINESS OF SHIPMENTS CANNOT BE GUARANTEED. THIS TERM SUPERSEDES ALL OTHER CONTRACTUAL PROVISIONS.</b>			
10	2020	10 PVC C900 DR18 PIPE (G) 20' PC235	FT	31.47	63,569.40
30		<b>THIS IS OUR INTERPRETATION OF THE PLANS/MATERIAL LIST ITS THE BUYERS RESPONSIBILITY TO CONFIRM SIZE, QUANTITIES, &amp; CONFORMANCE TO PROJECT SPECS PRIOR TO PLACING ANY ORDERS</b>			
40					
50					
60					
70					
80					
100		<b>THANK YOU</b>			
110		<b>CORE &amp; MAIN</b>			

UNLESS OTHERWISE SPECIFIED HEREIN, PRICES QUOTED ARE VALID IF ACCEPTED BY CUSTOMER AND PRODUCTS ARE RELEASED BY CUSTOMER FOR MANUFACTURE WITHIN THIRTY (30) CALENDAR DAYS FROM THE DATE OF THIS QUOTATION. CORE & MAIN LP RESERVES THE RIGHT TO INCREASE PRICES TO ADDRESS FACTORS, INCLUDING BUT NOT LIMITED TO, GOVERNMENT REGULATIONS, TARIFFS, TRANSPORTATION, FUEL AND RAW MATERIAL COSTS. DELIVERY WILL COMMENCE BASED UPON MANUFACTURER LEAD TIMES. ANY MATERIAL DELIVERIES DELAYED BEYOND MANUFACTURER LEAD TIMES MAY BE SUBJECT TO PRICE INCREASES AND/OR APPLICABLE STORAGE FEES. THIS BID PROPOSAL IS CONTINGENT UPON BUYER'S ACCEPTANCE OF SELLER'S TERMS AND CONDITIONS OF SALE, AS MODIFIED FROM TIME TO TIME, WHICH CAN BE FOUND AT:

<https://coreandmain.com/TandC/>

# City of Loves Park

Department of Public Works

By Alderman Robert Schlensker Resolution No. \_\_\_\_\_

Date: January 10th, 2022

**RESOLVED, by the adoption of this Resolution,** The Water Department Manager is authorized to seek bids for the rehabilitation and painting of Tower #1 with the assistance of Fehr Graham Engineering and Environmental, 200 Prairie Street, Rockford IL. 61107

\_\_\_\_\_  
Gregory R. Jury – Mayor

\_\_\_\_\_  
Robert Schlensker – Public Works Chairman

\_\_\_\_\_  
John Jacobson – Vice Chairman

\_\_\_\_\_  
A. Marie Holmes – Alderman

\_\_\_\_\_  
Attest: Robert J. Burden, City Clerk

\_\_\_\_\_  
Mark Peterson – Alderman

Motion:

Second:

Voting: