

RESOLUTION NO. R18-904

A RESOLUTION TO AUTHORIZE A FIRM TO PROVIDE CERTAIN WELL DRILLING SERVICES TO THE CITY

WHEREAS, the City of Stockbridge (“City”) is a municipal corporation duly organized and existing under the laws of the State of Georgia and is charged with being fiscally responsible concerning the use and expenditure of all public funds; and

WHEREAS, the City proposes to enter into a contract with a firm to provide certain well drilling services to drill two test wells at Reeves Creek Walking Trail to the City;

WHEREAS, Ground-Water Services, Inc. is the recommended firm;

THEREFORE, THE CITY COUNCIL OF THE CITY OF STOCKBRIDGE HEREBY RESOLVES:

SECTION 1. Approval of Purchase. The entering into a contract to provide certain well drilling services to drill two test wells at Reeves Creek Walking Trail with Ground-Water Services, Inc. in the amount of \$31,520.00 as presented to the City Council on January 30, 2018 is hereby approved by the City Council.

SECTION 2. Public Record. This document shall be maintained as a public record by the City Clerk and shall be accessible to the public during all normal business hours of the City of Stockbridge.

SECTION 3. Authorization of Execution. The Mayor is hereby authorized to sign all documents necessary to effectuate this Resolution.

SECTION 4. Attestation. The City Clerk is authorized to execute, attest to, and seal any documents which may be necessary to effectuate this ordinance, subject to approval as to form by the City Attorney.

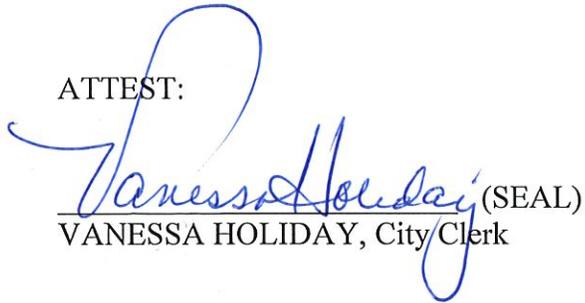
SECTION 5. Effective Date. This resolution shall become effective immediately upon its adoption by the Mayor and City Council of the City of Stockbridge as provided in the City Charter.

[SIGNATURES APPEAR ON FOLLOWING PAGE]

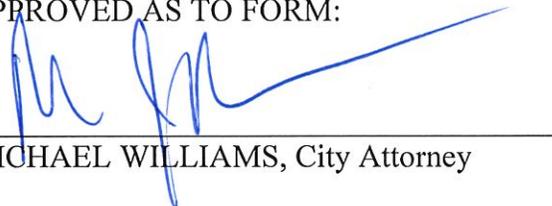
SO RESOLVED this 30th day of January, 2018.


ANTHONY S. FORD, Mayor

ATTEST:


VANESSA HOLIDAY, City Clerk

APPROVED AS TO FORM:


MICHAEL WILLIAMS, City Attorney



City of Stockbridge

Staff/Council Recommendation For Council Approval

Meeting Date

01/30/2018

FUNDING SOURCE

- Action requested by City Council
- For informational purposes only
- Budget Amendment Required

- GENERAL FUND
- FUND BALANCE
- SPLOST
- CDBG
- GRANT FUNDING
- COUNCIL INITIATIVE
- SPONSORSHIP
- DEPT. FUND BALANCE

FROM ACCOUNT: 346 - 44200 - 541440
 TO ACCOUNT:

PRESENTER: Decius T. Aaron

ITEM/PROJECT/EVENT: Drill two (2) test wells

DESCRIPTION:

Drill two (2) test wells.

Cost: \$31,520.00

Funding Source: SPLOST

APPROVED BY:

FINANCE DEPT. Bashonda Favors

CITY MANAGER [Signature]

AMOUNT

\$31,520.00

JANUARY 30, 2018 WORK SESSION PUBLIC WORKS AGENDA ITEMS

Council Consideration to Approve Vendor Ground Water Services, Inc. for Proposed Supervision of Drilling of Two (2) Test Wells @ Reeves Creek Walking Trail.

Funding Source: SPLOST

Cost: \$31,520.00

Description: Future water management strategies for the City should include providing reliable water supplies whether it's produced or purchased. Ground Water Services, Inc. has identified two (2) well sites that could potentially produce a combined capacity of one hundred and fifty (150) gallons per minute of water. The City currently purchases an average of \$70,000 per month in water from the Henry County Water Authority. The below table illustrates the potential savings that could be realized by increasing the City's water production capacity:

GPM	12 HOURS	GALLONS PER MONTH	MONTHLY SAVINGS 12 HOURS	24 HOURS	GALLONS PER MONTH	MONTHLY SAVINGS 24 HOURS
100	72,000	2,232,000	\$8,548.56	144,000	4,464,000	\$17,097.12
125	90,000	2,790,000	\$10,685.70	180,000	5,580,000	\$21,371.40
150	108,000	3,348,000	\$12,822.84	216,000	6,696,000	\$25,645.68
175	126,000	3,906,000	\$14,959.98	252,000	7,812,000	\$29,919.96
200	144,000	4,464,000	\$17,097.12	288,000	8,928,000	\$34,194.24
225	162,000	5,022,000	\$19,234.26	324,000	10,044,000	\$38,468.52
250	180,000	5,580,000	\$21,371.40	360,000	11,160,000	\$42,742.80
275	198,000	6,138,000	\$23,508.54	396,000	12,276,000	\$47,017.08
300	216,000	6,696,000	\$25,645.68	432,000	13,392,000	\$51,291.36
325	234,000	7,254,000	\$27,782.82	468,000	14,508,000	\$55,565.64
350	252,000	7,812,000	\$29,919.96	504,000	15,624,000	\$59,839.92
375	270,000	8,370,000	\$32,057.10	540,000	16,740,000	\$64,114.20
400	288,000	8,928,000	\$34,194.24	576,000	17,856,000	\$68,388.48
425	306,000	9,486,000	\$36,331.38	612,000	18,972,000	\$72,662.76
450	324,000	10,044,000	\$38,468.52	648,000	20,088,000	\$76,937.04
475	342,000	10,602,000	\$40,605.66	684,000	21,204,000	\$81,211.32
500	360,000	11,160,000	\$42,742.80	720,000	22,320,000	\$85,485.60

Council Consideration to Approve Vendor Aqua-Aerobic Systems, Inc. for Decanters for Wastewater Treatment Facility.

Funding Source: FY2018 Budget

Cost: \$13,420.38

Description: The decanter separates solid materials from liquids in slurry and allows the treated wastewater to leave the system for further treatment downstream. Without the decanters, the plant could not effectively treat the wastewater and meet permit requirements.

Council Consideration to Approve Site Engineering Change Order No. 1 for Stormwater Improvement Projects.

Funding Source: Stormwater Fund Balance

Cost: \$47,950.00

Description: Change Order No. 1 incorporates the following projects:

- **536 Creekview Overlook** – two catch basins where settlement occurred when replacing a pipe between them causing the throats of the inlets to shift and not properly collect the water.
- **5365 N. Henry Blvd.** – directly behind this property on Escalade Drive is a catch basin that has a severely damaged top that needs to be replaced and the entire basin and pipeline needs to be cleaned.
- **104 Garden Walk** – need to repair two sections of blocked and damaged pipe that will involve sidewalks and driveways repair due to subsidence.

JANUARY 30, 2018 WORK SESSION PUBLIC WORKS AGENDA ITEMS

Council Consideration to Approve Vendor Ground Water Services, Inc. for Proposed Supervision of Drilling of Two (2) Test Wells @ Reeves Creek Walking Trail.

Funding Source: SPLOST

Cost: \$31,520.00

Description: Future water management strategies for the City should include providing reliable water supplies whether it's produced or purchased. Ground Water Services, Inc. has identified two (2) well sites that could potentially produce a combined capacity of one hundred and fifty (150) gallons per minute of water. The City currently purchases an average of \$70,000 per month in water from the Henry County Water Authority. The below table illustrates the potential savings that could be realized by increasing the City's water production capacity:

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GROUND-WATER SERVICES, INC.

Exploration and Development
3842 Crestmore Drive
Kennesaw, GA 30144
770-364-8442

www.groundwaterrock.com
email:support@groundwaterrock.com

January 8, 2018

Page 1 of 3

Mr. Jeff Bledsoe
Water Department Supervisor
City of Stockbridge
4640 North Henry Blvd.
Stockbridge, GA 30281

Subject: Proposal For Supervision of Test Hole Drilling
Reeves Creek Walking Trail

Dear Mr. Bledsoe:

Per our meeting on 12-18-17, I have prepared this proposal to provide hydrogeological supervision of the test hole drilling at the Reeves Creek Walking Trail. Since the well flow rate and the radiological analysis are the determining factors for the well project to proceed, this proposal covers only the test hole (6-inch) drilling and the radiological sampling and analysis. If the well flow rate and radiological results are favorable, the well(s) can be completed. The final well completions will be covered in a separate proposal.

The services will include all required reports prior to drilling, GAEPD meetings, if necessary, site access coordination with the city and the driller, logging the geology during the well drilling and the radiological sampling and analysis. I assume the city will handle the drilling rig access route and gravel pad. The driller will provide silt fencing as necessary at the drill site.

The not-to-exceed costs of the supervision services and the drilling for both test wells are listed below.

Test Well No. 1

Ground-Water Services, Inc.	
Hydrogeological services prior to and during drilling	\$4,200.00
Gross Alpha sampling and analyses	<u>400.00</u>
Total	\$4,600.00

Askew Well Drilling	
600 ft. 6-in drilling @\$14/ft.	\$8,400.00
80 ft. 6-in. steel casing @ \$16/ft.	1,280.00
Mud rotary drilling, if necessary	<u>2,500.00</u>
Total	\$12,180.00
Total for Test Well No. 1	\$16,780.00

Test Well No. 2

Ground-Water Services, Inc.	
Hydrogeological services prior to and during drilling	\$3,440.00
Gross Alpha sampling and analyses	<u>400.00</u>
Total	\$3,840.00

Askew Well Drilling	
600 ft. 6-in. drilling @\$14/ft.	\$8,400.00
Mud rotary drilling, if necessary	<u>2,500.00</u>
Total	\$10,900.00

Total for Test Well No. 2 \$14,740.00

Total for both test holes \$31,520.00

The differences in the costs are due to the GAEPD reports applying to both well sites and the casing can be reused in test well number 2.

Services will be performed according to our Mission Statement, which is on our web page. I am committed to praying for and providing knowledge and truth for the faithful investment in the well, and God willing, through His Son Jesus Christ, a blessing for the city.

The quote from the driller, Askew Well Drilling, is attached. His quote covers only the test hole drilling with 6-inch diameter temporary steel casing, which can be reused on the second well. The mud rotary drilling to set the casing may not be needed. Askew has worked for the city in the past.

PAYMENT IS DUE WITHIN 30 DAYS OF THE RECEIPT OF THE REPORT AND INVOICE. YOUR ATTENTION TO THIS REQUIREMENT WILL BE GREATLY APPRECIATED. ASKEW WILL BILL THE CITY DIRECTLY. If you are in agreement with the above services, costs and payment terms, please sign a copy of this acceptance letter and return a copy to me, or issue a purchase order.

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Stockbridge Reeves Creek Walking Trail Test Wells Proposal
1-8-18

This proposal is intended for the sole use of The City of Stockbridge. This proposal shall not be copied or the described techniques conveyed to outside parties without written permission of Ground-Water Services, Inc.

Sincerely,
GROUND-WATER SERVICES, INC.

H. Dan Harman, Jr.

H. Dan Harman, Jr. P. G.
Senior Hydrogeologist and President
Attachment:

Accepted: _____
(Authorized Signature)

Date: _____

Askew Well Drilling
1041 Old 41 Highway
Milner, Georgia 30257
(770) 228-7723 office
(770) 228-6522 fax
www.askewwelldrilling.com

Estimate prepared for:
Ground Water Services Inc.
Attn: Dan Harman

Job location:
City of Stockbridge

Quotation for 6" drilled well with 6" .250 wall carbon steel casing -
NOTE: THIS WELL WILL SERVE AS A PUBLIC WATER WELL - PHASE 1 TEST WELL

600' of 6" drilling @ \$14.00 per foot (includes 9" drilling for 6" casing)	\$8,400.00
80' of 6" .250 wall carbon steel casing T&C @ \$16.00 per foot	1,280.00
Mud rotary (if necessary)	2,500.00
Test well installation subtotal per well	12,180.00

NOTE: Driller is not responsible for quality and or quantity of water. There can be naturally occurring minerals present. We use hay bales and silt fencing to contain the cuttings and runoff as much as possible. We are licensed by the State of Georgia and our performance bond, workman's compensation and general liability information are available upon request.

This quotation may be changed or modified is not accepted within sixty days.

Bob Askew
Company representative

01/04/2018
Date