



CITY OF HOT SPRINGS

Utilities Department

780 Adams Street

Hot Springs, Arkansas 71901

May 11, 2022

VIA Email

Leslie Allen-Daniel
Enforcement Analyst – Water Division
Arkansas Energy & Environment – Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

RE: City of Hot Springs Utilities
Permit No. AR0033880 / AFIN 26-00145 / CAO LIS 22-007
Progress Report and SECAP Delivery

Dear Ms. Allen-Daniel,

The following components are a brief synopsis of progress regarding the CAO.

Hawkins-Weir has the contract for the Spring Street Collection System Improvements project.

Spring Street Collection System Improvements – Hawkins=Weir Engineers			
Item No.	Begin	End	Description
1	3/22/22	9/25/22	Design Phase Services
2	3/30/22	Ongoing	Survey – Crist has completed aerial mapping portion of the survey, as well as locating 75% of existing sewer manholes. They are in the process of beginning the topographic and boundary portion of the survey.
3	9/25/22	10/25/22	Bidding and Negotiation Services
4	10/26/22	12/31/23	Construction Services

The RJN Group has the contract for the Lower Gulpha Gravity Interceptor from Spring Street to the Gulpha Pump Station. The project is funded by the 2020 Wastewater Bond. No changes.

Lower Gulpha Interceptor – RJN Group			
Item No.	Begin	End	Description
1	3/22/22	9/16/22	Conceptual Design Report Draft (anticipated schedule)
2	3/22/22	9/16/22	30% Plan Submittal (anticipated schedule)
3	3/22/22	1/21/23	Conceptual Design Report Final (anticipated schedule)
4	3/22/22	1/21/23	60% Plan Submittal (anticipated schedule)
Sub Consultants			
5	3/22/22	Ongoing	Crist Survey – Crist has completed aerial mapping portion of survey. They have completed processing and currently performing an internal QA/QC before releasing to RJN. Crist has initiated setting control points along the route and location of property corners but are yet to begin data collection on the topographic survey.
6	3/22/22	Ongoing	Ace Pipe – Multi-Sensor Inspection currently completing field work.
7	3/22/22	Ongoing	Eco – Environmental: completed initial site visit and provided photos of existing creek crossings.
8	4/29/22	N/A	Grubbs – Geotech - RJN anticipates giving notice to proceed for initial 15 geotech investigations.

Crist Engineers has the contract for the Gulpha Pump Station Improvements. The project is funded by the 2020 Wastewater Bond. No changes.

Gulpha Pump Station Improvements – Crist Engineers			
Item No.	Begin	End	Description
1	3/22/22	Ongoing	Engagement of professional services with Crist Engineers
2	3/22/22	4/8/22	On site survey on the pump station site, planimetrics, surface features, and contour development
3	3/22/22	Ongoing	Commenced initial hydraulic evaluation of pump alternatives for pump station site.
4	3/22/22	3/1/23	Design Phase Services
5	3/1/23	5/1/23	Bidding and Negotiation Services
6	5/1/23	9/1/24	Construction Phase Services

Karl Hanson is working on the Gulpha Force Main from the Gulpha Pump Station to the Davidson Drive Wastewater Treatment Plant. The project will be bid this year. The project is funded by the 2020 Wastewater Bond. Updated schedule.

Gulpha Force Main – Hanson McLaughlin			
Item No.	Begin	End	Description
1	3/15/22	12/31/23	Gulpha 36-Inch Force Main contract signed
2	3/15/22	Ongoing	Surveying and geotechnical engineering proposals received
3	3/15/22	4/7/22	Route adjustments to original FM route
4	3/15/22	4/7/22	Route FM to Davidson WWTP
5	4/7/22	4/8/22	Easement exhibits submitted to City
6	4/8/22	Ongoing	Plan / profile sheet preparation
7	4/8/22	Ongoing	Project Manual (specifications) preparation
8	4/15/22	5/31/22	30% Plan Submittal
9	6/1/22	7/31/22	60% Plan Submittal
10	8/1/22	11/30/22	100% Plan Submittal
11	12/1/22	3/31/23	Bid Phase/Procurement Services
12	4/1/23	12/31/23	Construction Phase Services

Should you need further information, please contact me at (501)651-7730 or by email at mledbetter@cityhs.net.

Sincerely,



Monty Ledbetter
Utilities Director

Attachment: Water Quality Assessment results December, 2021 through April, 2022

cc: City of Hot Springs - Bill Burrough, City Manager; Denny McPhate, Deputy City Manager; Harold Mauldin, Wastewater Facilities Operations Manager; Todd Piller, Capital Project Manager; Consultants - Karl Hanson, Hanson McLaughlin; Chris Leathers, RJN Group; Craig Johnson, Crist Engineers

ATTACHMENT: Water Quality Assessment results December, 2021 through April, 2022

Water Quality Assessment Results	Overflow		
	Location	Upstream	Downstream
	Site 1	Site 2	Site 3
pH SU	7.02	6.99	6.94
Temperature C	11.38	11.2	11.13
DO ppm	10.6	10.79	10.45
Conductivity uS/cm	54.75	53.55	63.1
Turbidity NTU	12.63	13.57	14.92
Alkalinity mg/L	9.44	7	9.75
BOD mg/L	1.37	1.4	1.73
TSS mg/L	3.83	6.01	4.81
Ammonia mg/L	0.01	0.01	0.02
Total Phosphorus mg/L	0.05	0.04	0.04
Ortho-phosphate mg/L	0.02	0.02	0.04
Sulfate mg/L	16.09	16.47	17.98
TDS mg/L	45	43.33	51.78
Chloride mg/L	3.23	3.26	3.54
Nitrate/Nitrite mg/L	<0.53	<0.56	<0.52
TKN mg/L	<0.9	<0.67	<0.78
Chlophyll A mg/L	<0.02	<0.01	<0.0050
Fecal Coliforms/100ml	70.49	83.75	91.63
E. Coli cfu/100ml	347.38	324.04	475.01