

CONTRACT ROUTING FORM

****NOTE: CITY ATTORNEY MUST REVIEW CONTRACTS BEFORE SUBMITTAL TO CITY COUNCIL**

SUBMITTED BY: Nicholas Hutchinson, P.E., City Engineer DATE: May 3, 2019

SERVICE AREA/UNIT: Public Services Area/Engineering

CONTRACTOR: Tetra Tech, Inc.

PURPOSE: Ann Arbor Landfill Monitoring and Maintenance Program

CONTRACT TYPE:

SERVICES

MATERIALS/CONSTRUCTION

CHANGE ORDER/AMENDMENT

CHANGE AMOUNT: \$26,600.48

OTHER

CONTRACT AMOUNT: \$ 297,511.00 This amendment does not increase the current contract amount.

RESOLUTION REQUIRED: YES NUMBER: _____

NO PROJECT MEMO ATTACHED

SIGNATURES: PLEASE MARK PAGES (IN ORDER)

	REQUIRED	SIGNED	DATE SIGNED
CONTRACTOR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>5/1/2019</u>
SERVICE AREA	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>6/3/19</u>
CITY ATTORNEY	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>6/12/19</u>
CITY ADMINISTRATOR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>4/13/19</u>
MAYOR	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>6/14/19</u>
CITY CLERK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<u>6/14/19</u>

RETURN CONTRACT TO: Anne M. Warrow, P.E., Project Manager

PHONE: 43639

MEMORANDUM

DATE: April 30, 2019
TO: Nicholas Hutchinson, P.E., City Engineer
FROM: Anne M. Warrow, P.E., Project Manager
RE: Ann Arbor Landfill Monitoring and Maintenance FY2018-22
File No.:2017-029
Amendment to PSA for Tetra Tech

Attached for your review and signature is an amendment to the Professional Services Agreement with Tetra Tech, Inc. for environmental consulting services for the Ann Arbor Landfill Monitoring and Maintenance Program. This amendment authorizes and defines additional tasks for \$26,600.48, funded from the contingency amount of \$27,000 established in the PSA and approved by City Council. This amendment does not increase the current contract amount of \$297,511.00.

The three additional items of work necessary to continue monitoring and maintenance efforts at the Ann Arbor Landfill are detailed below:

Task 6.1 - Well Abandonment and Replacement (W-70-92R, P-4DR) \$9,603.00

- Monitoring well W-70-92, was damaged and requires relocation. This well serves as the upgradient well south of the landfill and is a requirement of our on-site remedial action plan. It has been determined that this well shall be relocated on City property south of the landfill along the eastern side of the composting operations. The existing monitoring well W-70-92 will also need to be properly abandoned.
- Piezometer P-4D (paired with P-4U) is one of the pairs of piezometers used to demonstrate the influence of the landfill's slurry wall. This piezometer has shown biofouling throughout the years and during evaluation by Stearns Drilling (Stearns) in June 2018 it was observed that the well's casing has risen through the concrete and the well itself appears damaged approximately 6 feet down. Piezometer P-4D requires replacement and proper abandonment.
- This task will also include the coordination with the existing tenant for access to the existing well W-70-92, and well permit applications for the replacement well and piezometer shall be submitted to Washtenaw County. Well abandonment logs and digitized soil boring logs will be created and included in a well abandonment report submitted to the MDEQ and Washtenaw County.

Task 6.2 - PFAS Sampling \$6,199.48

- This task was performed at the request of the MDEQ and City staff in May of 2018. Tetra Tech performed PFAS sampling at 5 locations (2 AALF locations, 1 location at the City's water treatment plant and 2 locations at the City's wastewater treatment plant). This task includes time for preparation/coordination of sampling event, field sampling time and materials, analytical data table, and analytical costs.

- This task included coordination with WWTP and WTP City personnel, and meeting with Pace for additional information on PFAS sampling.
- In addition, it would be prudent for Tetra Tech to evaluate potential options for handling of leachate with high concentration of PFAS. This may include the storage of leachate in MH-B for proper periodic disposal or other remedial action.

Task 6.3 - Purge Well and Manhole Maintenance

\$10,898.00

- This task covers work needed after the annual evaluation of purge wells, monitoring wells and other landfill infrastructure.
- In June 2018, PW-1R-12 was evaluated and it was determined that the pump was nearing its useful life. The pump, the well control box and the motor should be replaced.
- In addition, the electrical panel and the meter in Manhole MH-A needs to be replaced.
- The purge well PW-3R-12 needs to be cleaned and rehabilitated.
- In September 2018, PW-2R-01 was not operating. The control box and motor were replaced at a cost of \$2,627.50.

Attachments:

Exhibit B1

Amendment #1

**AMENDMENT NUMBER 1 TO
AGREEMENT FOR PROFESSIONAL SERVICES
BETWEEN
TETRA TECH, INC.
AND
THE CITY OF ANN ARBOR
FOR 2018 ANN ARBOR LANDFILL MONITORING AND MAINTENANCE PROGRAM**


The City of Ann Arbor, a Michigan municipal corporation, having its offices at 301 E. Huron St. Ann Arbor, Michigan 48104 ("City"), and Tetra Tech Inc. ("Contractor") with its address at 710 Avis Drive, Suite 100, Ann Arbor, MI 48108 agree to amend the professional services agreement for the project 2018 Ann Arbor Landfill Monitoring and Maintenance Program executed by the parties dated 5th day of July, 2017 ("Agreement") as follows:

- 1) Article V, COMPENSATION OF CONTRACTOR, is amended to read as follows:
 - A. The Contractor shall be paid in the manner set forth in Exhibit B and B1. The total fee to be paid to the contractor for the Services shall not exceed \$297,511. Payment shall be made monthly, unless another payment term is specified in Exhibit B and B1, following receipt of invoices submitted by the Contractor, and approved by the Contract Administrator.

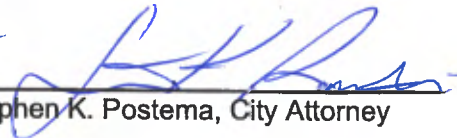
All terms, conditions, and provisions of the Agreement, unless specifically amended above, shall apply to this Amendment and are made a part of this Amendment as though expressly rewritten, incorporated, and included herein.

This Amendment to the Agreement shall be binding on the Parties' heirs, successors, and assigns.


For Tetra Tech, Inc.

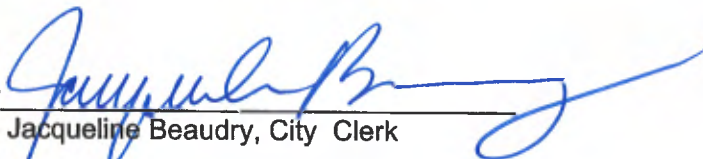
By 
Its: Principal Hydrogeologist
Date: 5/31/19

Approved as to form and content

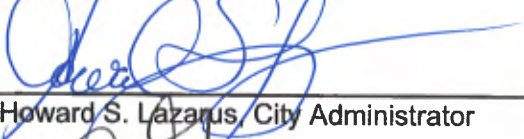


Stephen K. Postema, City Attorney

For City of Ann Arbor

By 
Christopher Taylor, Mayor

By 
Jacqueline Beaudry, City Clerk

Approved as to substance


Howard S. Lazarus, City Administrator

Craig Hupy, Public Service Area Administrator

