

**SIGNATURES TO THE 1ST OF 4 RENEWALS OF THE MS4 PROGRAM MANAGEMENT
SERVICES AGREEMENT RELATED TO THE MS4 PERMIT**

ACCEPTED:

Tetra Tech, Inc.

DATE: 7/23/26

BY: Richard W. Walker

Richard W. Walker, P.E.
Sr. Vice President

REVIEWED:

Lexington-Fayette Urban County Government

DATE: 7/26/26

BY: [Signature]

Mark D. Sanders, P.E., Interim Director
Division of Water Quality

APPROVED:

Lexington-Fayette Urban County Government

DATE: 8/4/2026

BY: Linda Gorton

Linda Gorton
Mayor

**LFUCG TASK ORDER NO. 1 – CONTRACT YEAR 2
UNDER LFUCG AGREEMENT WITH TETRA TECH, INC FOR
MS4 ANNUAL PROGRAM MANAGEMENT SERVICES**

CONSULTANT

OWNER

Name	<u>Tetra Tech, Inc.</u>	<u>Lexington-Fayette Urban County Government</u>
Street Address	<u>424 Lewis Hargett Circle, Suite 110</u>	<u>200 East Main Street</u>
City, State, Zip	<u>Lexington, Kentucky 40503</u>	<u>Lexington, KY 40507</u>
Contact Person	<u>Abby Terry</u>	<u>Bailee Young</u>
Telephone	<u>859-223-8000</u>	<u>859-425-2482</u>
Fax	<u>859-224-1025</u>	<u>859-254-7787</u>
E-Mail	<u>abby.terry@tetrattech.com</u>	<u>byoung@lexingtonky.gov</u>

Task Order Date: July 1, 2026

Task Name: General Program Management

Task ID: _____

SCOPE OF WORK/DELIVERABLES

See Exhibit 1 attached.

SCHEDULE OF WORK

See Exhibit 1 attached.

FEE

See Exhibit 1 attached. The work will be performed on a time and expense basis not to exceed \$47,460.

ACCEPTED BY:

Richard W. Walker

Consultant's Authorized Signature

7/24/26

Date Signed

AUTHORIZED BY:

M. J. D. S. L.

Owner's Authorized Signature

7-27-26

Date Signed

Two originals of this work order shall be executed by Tetra Tech and returned to the Owner. A fully executed copy will be returned to Tetra Tech.

Exhibit 1

Scope of Work, Schedule, and Fee

**LFUCG TASK ORDER NO. 3 - CONTRACT YEAR 2
UNDER LFUCG AGREEMENT WITH TETRA TECH
FOR MS4 ANNUAL PROGRAM MANAGEMENT SERVICES
JULY 1, 2026**

MS4 PERMIT MONITORING

Scope of Work

This task order is for conducting the monitoring required by the MS4 Permit from July 1, 2026 to June 30, 2027. The scope of work is attached.

Fee

The hours for each task are shown on the attached spreadsheet.

Schedule

See the schedule in the Third Rock Scope of Work attached.

As a Phase I MS4, the Lexington-Fayette Urban County Government (LFUCG) is authorized to discharge stormwater runoff to waters of the Commonwealth of Kentucky conditional upon meeting requirements of LFUCG's MS4 permit and the Stormwater Quality Management Program (SWQMP). LFUCG's current stormwater permit (KPDES No. KYS000002 AI No. 74551) was issued May 1, 2015, with a five-year duration period effective June 1, 2015. *The Kentucky Division of Water (KDOW) is in the process of drafting a new KDPES permit for LFUCG; in the interim, KYS000002 will be administratively continued.*

The SWQMP is a comprehensive, detailed set of procedures and protocols for implementing stormwater best management programs to meet the conditions of the MS4 permit including but not limited to LFUCG's water quality monitoring (MON) program of the permit. The objective of the MON program is to identify pollutants from stormwater runoff to the MS4 from the coverage area specified by the permit. On December 20, 2024, LFUCG proposed streamlining the MON program by consolidating the routine in-stream monitoring sites in each of LFUCG's seven major watersheds with the in-stream sites monitored as part of LFUCG's rotating watershed-focused monitoring program creating a monitoring network of approximately 64 in-stream sites county-wide.

On January 10, 2025, KDOW determined that the proposed changes to LFUCG's monitoring program will comply with the requirements of KYS000002 Table 8, Part III if implemented as proposed. LFUCG is currently in the process of developing a draft Quality Assurance Project Plan (QAPP) for the proposed MON program, with an anticipated implementation date of January 1, 2026.

This scope of work covers the following monitoring elements:

- A. Scheduled Quarterly Water Quality Monitoring
- B. Quarterly Wet Weather Water Quality Monitoring (Majors Only)
- C. Annual Wet Weather Water Quality Monitoring
- D. Bi-Annual Macroinvertebrate Sampling and Habitat Assessment
- E. Annual Macroinvertebrate Sampling and Habitat Assessment (Majors Only)
- F. Bi-Annual Geomorphic Survey and Assessment
- G. Bi-Annual Fish Sampling and Habitat Assessment
- H. 2027 Annual Monitoring Report

A. Scheduled Quarterly Water Quality Monitoring

Third Rock will coordinate the scheduled collection of grab samples by trained volunteers at all 63 consolidated monitoring sites during the 3rd and 4th Quarters 2026 and 1st and 2nd Quarters 2027. Dissolved oxygen, pH, water temperature, and conductivity will be measured *in situ* using a multimeter probe, water depth at the staff gage will be recorded, and TC will be read using a portable colorimeter at each site. Samples will be preserved according to method specifications and transported under chain-of-custody to Town Branch Laboratory where they will be analyzed for TSS, *E. coli*, TP, NH₃-N, NO₃-N-N, NO₂-N, and TKN-N.

Third Rock field technicians will conduct the sampling at 13 sites during the 3rd and 4th Quarters 2026 and 1st and 2nd Quarters 2027. Dissolved oxygen, pH, water temperature, and conductivity will be measured *in situ* using a multimeter probe, water depth at the staff gage will be recorded at six (6) sites, and TC will be read using a portable colorimeter at each site. Water depth and flow at the seven (7) major sites will be recorded based upon the USGS reported values at the time sampling was conducted. Samples will be preserved according to method specifications and transported under chain-of-custody to Town Branch Laboratory where they will be analyzed for TSS, *E. coli*, TP, NH₃-N, NO₃-N-N, NO₂-N, and TKN-N,

B. Quarterly Wet Weather Water Quality Monitoring

Third Rock field technicians will conduct wet weather monitoring at the seven (7) major watershed sites during the 3rd and 4th Quarters 2026 and 1st and 2nd Quarters 2027. Sampling will be conducted after a period of at least 72 hours of dry weather (less than 0.1 inch of rainfall) followed by a rain event in which 0.1 inch or greater of rainfall accumulates and stream levels rise. Dissolved oxygen, pH, water temperature, and conductivity will be measured *in situ* using a multimeter probe and TC will be read using a portable colorimeter at each site. Water depth and flow will be recorded based upon the USGS reported values at the time sampling was conducted. Samples will be preserved according to method specifications and transported under chain-of-custody to Fouser Environmental Services where they will be analyzed for TSS, *E. coli*, TP, DP, NH₃-N, NO₃-N + NO₂-N, and TKN-N.

C. Annual Wet Weather Water Quality Monitoring

Third Rock field technicians will conduct wet weather monitoring at all 63 sites in accordance with the projected schedule attached hereto. Sampling will be conducted after a period of at least 72 hours of dry weather (less than 0.1 inch of rainfall) followed by a rain event in which 0.1 inch or greater of rainfall accumulates and stream levels rise. Dissolved oxygen, pH, water temperature, and conductivity will be measured *in situ* using a multimeter probe and TC will be read using a portable colorimeter at each site. Water depth and flow will be recorded based upon the USGS reported values at the time sampling was conducted. Samples will be preserved according to method specifications and transported under chain-of-custody to Fouser Environmental Services. Samples from all 63 sites will be analyzed for TSS, *E. coli*, TP, NH₃-N, NO₃-N + NO₂-N, and TKN-N. In addition, samples from the seven (7) major sites will also be analyzed for DP.

D. Bi-Annual Macroinvertebrate Sampling and Habitat Assessment

Third Rock will collect qualitative and quantitative macroinvertebrate samples at 23 wadeable sites during the appropriate index period based upon the sites' drainage area using methods developed by KDOW in March 2025. Dissolved oxygen, pH, temperature, and conductivity will be measured *in situ* using a multimeter probe and habitat will be assessed using US EPA Rapid Bioassessment Protocol (RBP) and methods developed by KDOW in January 2025.

E. Annual Macroinvertebrate Sampling and Habitat Assessment

Third Rock will collect qualitative and quantitative macroinvertebrate samples at the seven (7) major watershed sites during the appropriate index period based upon the sites' drainage area using methods developed by KDOW in March 2025. Dissolved oxygen, pH, temperature, and conductivity will be measured *in situ* using a multimeter probe and habitat will be assessed using US EPA Rapid Bioassessment Protocol (RBP) and methods developed by KDOW in January 2025.

F. Bi-Annual Geomorphic Survey and Assessment

Third Rock will collect geomorphic data at 23 wadeable sites in conjunction with the macroinvertebrate sampling and habitat assessment efforts. Permanent monuments consisting of rebar pins set in concrete and metal fence posts flagged with high-visibility ribbon will be established on each stream bank to mark the cross section of the stream channel. The concrete pins will serve as a set point of elevation for survey comparisons and the metal fence posts will serve as rigid objects to fix survey tape measures.

Work will include survey of the stream site cross-section and longitudinal profile of the stream bed, pebble count to characterize the channel substrate, and channel width and depth measurements to calculate mean and max depth, cross-sectional area, width to depth ratio, and entrenchment ratio. Geomorphic data will be organized and entered into RIVERMorph so that graphs can be generated for the cross-section, longitudinal profile, and streambed substrate distribution for each site. The Bank Erosion Hazard Index (BEHI) (the stream banks' susceptibility to erosional processes) and Near Bank Stress (NBS) (determined using a Level III detailed prediction method) will be calculated and input into the Bank Assessment for Non-point Source Consequences of Sediment (BANCS) model to predict the contribution of sediment for each site's streambanks.

A stage-discharge curve will be calculated for each site utilizing Manning's equation based upon cross-section dimensions, longitudinal slope, and channel roughness determined by pebble count or published Manning's coefficients for given scenarios. Stream discharge data recorded in the field will be used to calibrate all stage-discharge curves on a quarterly basis.

G. Bi-Annual Fish Sampling and Habitat Assessment

Third Rock will conduct fish electroshocking at five (5) sites during the appropriate index period based upon the site's drainage area using methods developed by KDOW in February 2022. Dissolved oxygen, pH, temperature, and conductivity will be measured *in situ* using a multimeter probe and habitat will be assessed using US EPA Rapid Bioassessment Protocol (RBP) and methods developed by KDOW in January 2025.

H. 2027 Annual Monitoring Report

The 2027 Annual Water Quality Monitoring Report will consist of a summary of the analytical results and methods in a format yet to be determined. At a minimum, the following will be compiled and formatted for public consumption:

- raw data and analytical results
- photo logs
- graphical summaries of the data (including changes in geomorphic parameters, estimated bank erosion, and estimated sediment contribution)
- an explanation/discussion of the data for each component of the monitoring program; and
- analysis of the results of each monitoring program component.

			No. Sites	Monitoring Year(s)	Labor Estimate (per Site)												Subtotals			Expense per Site			Subtotals			Fee		
					Principal	Sr. PM	Sr. Eng	Proj Eng	Sr. Eco	Proj Eco	Staff Eco	GIS	CA	Writer	Sr. Tech	Proj Tech	Cost per Site	Hours per Task	Cost per Task	Sub (Lab)	Project Supplies	Cost per Site	per Task	per Site	per Task			
Work Order 6 Tasks																												
3.1	a	1	3Q Scheduled WQ Monitoring (Quarterly)	13	2026	\$275	\$215	\$200	\$165	\$135	\$110	\$90	\$110	\$90	\$110	\$90	1.25	1.00	\$269	\$3,494	\$-	\$-	\$-	\$269	\$3,494			
		2	3Q Scheduled WQ Monitoring (Quarterly) Coord / Results QA	63	2026	0.05			0.25			0.25					0.55	34.65	\$78	\$4,883	\$-	\$-	\$-	\$78	\$4,883			
	b	1	3Q Wet Weather Monitoring (Quarterly, Majors Only)	7	2026				0.25	1.25		1.25					2.50	17.50	\$306	\$2,144	\$250	\$-	\$1,750	\$556	\$3,894			
		2	3Q Wet Weather Monitoring (Annual, Projected)	18	2026					1.50		1.50					3.00	54.00	\$368	\$6,615	\$250	\$1	\$4,518	\$619	\$11,133			
		3	3Q Results QA / Accela Entry - 1Q	25	2026	0.05			0.25				0.25				0.55	13.75	\$78	\$1,938	\$-	\$-	\$-	\$78	\$1,938			
3.2	a	1	1Q Scheduled WQ Monitoring (Quarterly)	13	2026				0.25	1.25		1.00					2.50	32.50	\$269	\$3,494	\$-	\$-	\$-	\$269	\$3,494			
		2	1Q Scheduled WQ Monitoring (Quarterly) Coord / Results QA	63	2026	0.05			0.25			0.25					0.55	34.65	\$78	\$4,883	\$-	\$-	\$-	\$78	\$4,883			
	b	1	1Q Wet Weather Monitoring (Quarterly, Majors Only)	7	2026				0.25	1.25		1.25					2.50	17.50	\$306	\$2,144	\$250	\$-	\$1,750	\$556	\$3,894			
		2	1Q Wet Weather Monitoring (Annual, Projected)	12	2026					1.50		1.50					3.00	36.00	\$368	\$4,410	\$250	\$1	\$3,012	\$619	\$7,422			
		3	1Q Results QA / Accela Entry - 1Q	19	2026	0.05			0.25				0.25				0.55	10.45	\$78	\$1,473	\$-	\$-	\$-	\$78	\$1,473			
3.3	a	1	1Q Scheduled WQ Monitoring (Quarterly)	13	2027				0.25	1.25		1.00					2.50	32.50	\$269	\$3,494	\$-	\$-	\$-	\$269	\$3,494			
		2	1Q Scheduled WQ Monitoring (Quarterly) Coord / Results QA	63	2027	0.05			0.25			0.25					0.55	34.65	\$78	\$4,883	\$-	\$-	\$-	\$78	\$4,883			
	b	1	1Q Wet Weather Monitoring (Quarterly, Majors Only)	7	2027				0.25	1.25		1.25					2.50	17.50	\$306	\$2,144	\$250	\$-	\$1,750	\$556	\$3,894			
		2	1Q Wet Weather Monitoring (Annual, Projected)	15	2027					1.50		1.50					3.00	45.00	\$368	\$5,513	\$250	\$1	\$3,765	\$619	\$9,278			
		3	Results QA / Accela Entry - 1Q	22	2027	0.05			0.25				0.25				0.55	12.10	\$78	\$1,705	\$-	\$-	\$-	\$78	\$1,705			
3.4	a	1	2Q Scheduled WQ Monitoring (Quarterly)	13	2027				0.25	1.25		1.00					2.50	32.50	\$269	\$3,494	\$-	\$-	\$-	\$269	\$3,494			
		2	2Q Scheduled WQ Monitoring (Quarterly) Coord / Results QA	63	2027	0.05			0.25			0.25					0.55	34.65	\$78	\$4,883	\$-	\$-	\$-	\$78	\$4,883			
	b	1	2Q Wet Weather Monitoring (Quarterly, Majors Only)	7	2027				0.25	1.25		1.25					2.50	17.50	\$306	\$2,144	\$250	\$-	\$1,750	\$556	\$3,894			
		2	2Q Wet Weather Monitoring (Annual, Projected)	18	2027					1.50		1.50					3.00	54.00	\$368	\$6,615	\$250	\$1	\$4,518	\$619	\$11,133			
		3	Results QA / Accela Entry - 1Q	25	2027	0.05			0.25				0.25				0.55	13.75	\$78	\$1,938	\$-	\$-	\$-	\$78	\$1,938			
3.5	a	1	Bi-Annual Macro Sampling / Habitat Assessment - W Sites	23	2026				2.00	2.00		2.00					4.00	92.00	\$490	\$11,270	\$-	\$2	\$46	\$492	\$11,316			
		2	Bi-Annual Macro Sample Processing / ID - W Sites	23	2026				3.00	2.00		2.00		5.00			10.00	230.00	\$975	\$22,425	\$-	\$2	\$46	\$977	\$22,471			
		3	Bi-Annual Metric Calculations / MBI Analysis / Accela / QA - W Sites	23	2026	0.05			0.75			0.75					0.80	18.40	\$115	\$2,645	\$-	\$-	\$-	\$115	\$2,645			
	c	1	Annual Macro Sampling / Habitat Assessment - Major Sites	7	2027				2.00	2.00		2.00					4.00	28.00	\$490	\$3,430	\$-	\$-	\$-	\$490	\$3,430			
		2	Annual Macro Sample Processing / ID - Major Sites	7	2027				3.00	2.00		2.00					10.00	70.00	\$975	\$6,825	\$-	\$-	\$-	\$975	\$6,825			
3.6	a	1	Metric Calculations / MBI Analysis / Accela / QA- W Sites	7	2027	0.05			0.75								0.80	5.60	\$115	\$805	\$-	\$-	\$-	\$115	\$805			
		2	Geomorph Monument Installation (CY1)- W Sites	23	2026				2.00			2.00					4.00	92.00	\$510	\$11,730	\$-	\$50	\$1,150	\$560	\$12,880			
		3	Geomorph / BEHI / NBS Assessment - W Sites	23	2026					2.00		2.00					4.00	92.00	\$400	\$9,200	\$-	\$-	\$-	\$400	\$9,200			
		3	RiverMorph Data Input and Analysis - W Sites	23	2026				2.00								2.00	46.00	\$330	\$7,590	\$-	\$-	\$-	\$330	\$7,590			
		4	BEHI / NBS Data Entry and Analysis - W Sites	23	2026				2.00								2.00	46.00	\$330	\$7,590	\$-	\$-	\$-	\$330	\$7,590			
3.7	a	1	Results QA / BANCS Model - W Sites	23	2026	0.05			2.50								2.55	58.65	\$426	\$9,804	\$-	\$-	\$-	\$426	\$9,804			
		2	Bi-Annual Fish Sampling / Habitat - W Sites	5	2026				6.00			6.00					12.00	60.00	\$1,470	\$7,350	\$-	\$-	\$-	\$1,470	\$7,350			
		3	Bi-Annual Fish Metric Calculations / IBI Analysis / Accela / QA - W Sites	5	2026	0.05			2.50			2.50					2.55	12.75	\$351	\$1,756	\$-	\$-	\$-	\$351	\$1,756			
	b	1	Monitoring Coordination and Project Management	1	2026-27	32.00			32.00	16.00			64.00				176.00	176.00	\$25,520	\$-	\$-	\$-	\$25,520	\$25,520				
		2	Annual Volunteer Training	1	2027	8.00				40.00	8.00		40.00				120.00	120.00	\$14,640	\$-	\$-	\$-	\$14,640	\$14,640				
3.8	a	1	Annual Monitoring Report	1	2026	16.00			96.00	48.00			24.00				184.00	184.00	\$29,360	\$29,360	\$-	\$-	\$-	\$29,360	\$29,360			
						76.05	0.00	0.00	422.25	448.50	390.50	333.75	80.00	8.00	0.00	150.00	0.00	1,909.05	\$244,225.00		\$24,055		\$24,055	\$268,280.00				
						\$20,913.75	\$0.00	\$0.00	\$69,671.25	\$60,547.50	\$42,955.00	\$30,037.50	\$8,800.00	\$0.00	\$10,500.00	\$0.00			\$244,225.00		\$24,055		\$24,055	\$268,280.00				
																									\$268,280.00			
																									\$268,280.00			

**LFUCG TASK ORDER NO. 2 – CONTRACT YEAR 2
UNDER LFUCG AGREEMENT WITH TETRA TECH, INC FOR
MS4 ANNUAL PROGRAM MANAGEMENT SERVICES**

CONSULTANT

OWNER

Name	<u>Tetra Tech, Inc.</u>	<u>Lexington-Fayette Urban County Government</u>
Street Address	<u>424 Lewis Hargett Circle, Suite 110</u>	<u>200 East Main Street</u>
City, State, Zip	<u>Lexington, Kentucky 40503</u>	<u>Lexington, KY 40507</u>
Contact Person	<u>Abby Terry</u>	<u>Bailee Young</u>
Telephone	<u>859-223-8000</u>	<u>859-425-2482</u>
Fax	<u>859-224-1025</u>	<u>859-254-7787</u>
E-Mail	<u>abby.terry@tetrattech.com</u>	<u>byoung@lexingtonky.gov</u>

Task Order Date: July 1, 2026

Task Name: MS4 Permit Technical Support

Task ID: _____

SCOPE OF WORK/DELIVERABLES

See Exhibit 1 attached.

SCHEDULE OF WORK

See Exhibit 1 attached.

FEE

See Exhibit 1 attached. The work will be performed on a time and expense basis not to exceed \$436,205.

ACCEPTED BY:

Richard W. Walk
Consultant's Authorized Signature

7/24/26
Date Signed

AUTHORIZED BY:

[Signature]
Owner's Authorized Signature

7-27-26
Date Signed

Two originals of this work order shall be executed by Tetra Tech and returned to the Owner. A fully executed copy will be returned to Tetra Tech.

Exhibit 1

Scope of Work, Schedule, and Fee

**LFUCG TASK ORDER NO. 1 - CONTRACT YEAR 2
UNDER LFUCG AGREEMENT WITH TETRA TECH
FOR MS4 ANNUAL PROGRAM MANAGEMENT SERVICES
JULY 1, 2026**

GENERAL PROGRAM MANAGEMENT

Scope of Work

This task order is for general program management services. The work will include the monthly scheduling, coordination, and communication tasks necessary to ensure that Lexington-Fayette Urban County Government (LFUCG) staff and Tetra Tech/Third Rock staff are complying with the deadlines in the Municipal Separate Storm Sewer System (MS4) Permit and the Stormwater Quality Management Program (SWQMP).

The list of key deliverables is attached.

Fee

The hourly estimates for each task are shown on the attached spreadsheet.

Schedule

The work will be performed on a monthly basis.

ACRONYMS

DWQ – Division of Water Quality

LFUCG – Lexington-Fayette Urban County Government

MS4 – Municipal Separate Storm Sewer System

SWQMP – Stormwater Quality Management Program

KEY DELIVERABLES FOR TASK ORDER 1 – GENERAL PROGRAM MANAGEMENT

Task 1.1 – Track the Progress of MS4 Permit and SWQMP Requirements and Deadlines

This task will involve tracking the deadlines in the MS4 Permit and SWQMP to ensure that the deadlines are met. This will be reviewed monthly to ensure adequate progress is being made. Project Management Team meetings will be held quarterly to report on the status of tasks. The deliverable will include an Excel spreadsheet of task orders showing progress-to-date each quarter.

Task 1.2 – Consent Decree Reports

This task will involve assisting Division of Water Quality (DWQ) staff with compiling the Consent Decree Semi-Annual and Annual Reports. Deliverables will include PDFs of the draft and final reports.

Task 1.3 – Contract Administration, Progress Reports, Budget Oversight, Task Order Development

This task will involve reviewing the budget each month when the invoice is prepared to ensure that the various project tasks are within budget. A progress report will be prepared each month that describes the work completed in the previous month. This task also includes developing the annual task orders that will describe the tasks and deliverables necessary to achieve compliance with the SWQMP and the MS4 Permit.

		Subtotal Hours	Tetra Tech										Third Rock										Total	
			Program Manager	Project Manager I	Senior Engineer III	Project Engineer I	Sr. Eng. Designer I	Engineer III	Engineer II	Engineer I	Senior Technician I	Project Administrator	Principal	Sr. Project Manager	Sr. Engineer	Project Engineer	Sr. Ecologist	GIS Analyst	Project Ecologist	Contract Administrator	Staff Ecologist	Technical Writer		
Task			\$ 295.00	\$ 170.00	\$ 285.00	\$ 170.00	\$ 175.00	\$ 150.00	\$ 130.00	\$ 120.00	\$ 135.00	\$ 110.00	\$ 275.00	\$ 215.00	\$ 200.00	\$ 165.00	\$ 135.00	\$ 110.00	\$ 100.00	\$ 90.00	\$ 80.00	\$ 70.00	\$ 50.00	
1.1	Track the progress of MS4 Permit and SWQMP requirements and deadlines	122	12	60					10				20			20								\$ 23,840
1.2	Assist DWQ with compiling the Consent Decree Semi-Annual and Annual Reports	40		30					10															\$ 6,400
1.3	Contract administration, progress reports, budget oversight, task order development / scoping, etc.	78	12	30						24						12								\$ 17,220
Total Hours		240	24	120					20				44			32				0				\$ 47,460
Total Estimated Labor Fee		\$ 47,460	\$ 7,080	\$ 20,400					\$ 2,600				\$ 12,100			\$ 5,280			\$ -					\$ 47,460

**LFUCG TASK ORDER NO. 3 – CONTRACT YEAR 2
UNDER LFUCG AGREEMENT WITH TETRA TECH, INC FOR
MS4 ANNUAL PROGRAM MANAGEMENT SERVICES**

CONSULTANT

OWNER

Name	<u>Tetra Tech, Inc.</u>	<u>Lexington-Fayette Urban County Government</u>
Street Address	<u>424 Lewis Hargett Circle, Suite 110</u>	<u>200 East Main Street</u>
City, State, Zip	<u>Lexington, Kentucky 40503</u>	<u>Lexington, KY 40507</u>
Contact Person	<u>Abby Terry</u>	<u>Bailee Young</u>
Telephone	<u>859-223-8000</u>	<u>859-425-2482</u>
Fax	<u>859-224-1025</u>	<u>859-254-7787</u>
E-Mail	<u>abby.terry@tetrattech.com</u>	<u>byoung@lexingtonky.gov</u>

Task Order Date: July 1, 2026

Task Name: MS4 Permit Monitoring

Task ID: _____

SCOPE OF WORK/DELIVERABLES

See Exhibit 1 attached.

SCHEDULE OF WORK

See Exhibit 1 attached.

FEE

See Exhibit 1 attached. The lump sum fee to complete the work is \$268,280.

ACCEPTED BY:

Richard W. Walker
Consultant's Authorized Signature

7/24/26
Date Signed

AUTHORIZED BY:

[Signature]
Owner's Authorized Signature

7-27-26
Date Signed

Two originals of this work order shall be executed by Tetra Tech and returned to the Owner. A fully executed copy will be returned to Tetra Tech.

Exhibit 1

Scope of Work and Schedule

**LFUCG TASK ORDER NO. 2 - CONTRACT YEAR 2
UNDER LFUCG AGREEMENT WITH TETRA TECH
FOR MS4 ANNUAL PROGRAM MANAGEMENT SERVICES
JULY 1, 2026**

MS4 PERMIT TECHNICAL SUPPORT

Scope of Work

This task order is for providing professional services to assist the Lexington-Fayette Urban County Government (LFUCG) with compliance activities associated with the Municipal Separate Storm Sewer System (MS4) Permit, along with implementation of the Stormwater Quality Management Program (SWQMP). The work will include technical writing; reporting; program development/management; assistance with public strategy, training, presentations, and partnering workshops; and water quality monitoring and analysis services. A list of proposed tasks with key deliverables is attached for the following program elements:

- General Permit Support
- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Runoff Control
- Post-Construction Stormwater Management
- Pollution Prevention for Municipal Operations
- MS4 Permit Annual Report

Fee

The hourly estimates for each task are shown on the attached spreadsheet.

Schedule

The work will be performed on a monthly basis.

ACRONYMS

BMP – Best Management Practices
DES – Division of Environmental Services
DOE – Division of Engineering
DWQ – Division of Water Quality
ERP – Enforcement Response Plan
ESC – Erosion and Sediment Control
GWP – Groundwater Protection
IW – Impaired Waters
KDOW – Kentucky Division of Water
KYR10 – General Permit for Stormwater Discharges Associated with Construction Activities
LDP – Land Disturbance Permit
LFUCG – Lexington-Fayette Urban County Government
MG – Measurable Goal
MS4 – Municipal Separate Storm Sewer System
NOV – Notice of Violation
O&M – Operations and Maintenance
PIE – Permitting, Inspection, and Enforcement
RMP – Remedial Measures Plan
RPR – Resident Project Representative
SPCC – Spill Prevention, Containment, and Countermeasures
SSAC – Stormwater Stakeholder Advisory Committee
SWC – Stormwater Control
SWQMP – Stormwater Quality Management Program
SWPPP – Stormwater Pollution Prevention Plan
TMDL – Total Maximum Daily Load
WWTP – Wastewater Treatment Plant

KEY DELIVERABLES FOR TASK ORDER 2 MS4 PERMIT TECHNICAL SUPPORT

The following is a list of tasks for Task Order 2. The Measurable Goal (MG) number from the SWQMP (2016) is shown in parentheses where applicable.

GENERAL PERMIT SUPPORT

Task 2.1a – Provide Technical Support for the MS4 Permit Renewal

This task will involve assisting the DWQ MS4/Water Quality Section Manager with the following:

- Review and provide comments on the pending draft MS4 Permit
- Provide technical support to LFUCG in finding common ground with the Kentucky Division of Water (KDOW) on new programs, permit requirements, and mandatory actions – such as simplifying monitoring and assessment work; and addressing impaired waters (IWs) and Total Maximum Daily Loads (TMDLs) on an ongoing, incremental basis
- Identify new and/or revised MGs in the new MS4 Permit and engage staff to determine workable approaches for addressing them in an efficient and effective manner
- Assist DWQ with updating the SWQMP based on the pending new MS4 Permit*
- Update the MS4 Permit/MG tracking spreadsheet based on the pending new MS4 Permit and updated SWQMP*.

*The estimated hours for this task will be determined when the draft MS4 Permit is issued.

Task 2.1b – Provide Technical Support for the Continued MS4 Permit (2015)

This task will involve assisting the DWQ MS4/Water Quality Section Manager with the following:

- Determine requirements of the continued MS4 Permit
- Suggest SWQMP modifications, as necessary
- TMDLs & IWs support.

PUBLIC EDUCATION AND OUTREACH

Task 2.2a – Develop Success Stories for the MS4 Program (MG-PE-11)

This task will involve developing one success story twice a year, suitable for press release and publication. The success stories will seek to highlight achievements of the MS4 program. Success story deliverables will include a one- to two-page Word document with accompanying photographs. Topics that could be featured include the following:

- Successfully completed and well-operated/maintained incentive grant program projects
- Stormwater-friendly new development design features
- Stormwater management for existing developments

- DWQ stormwater inspection staff activities
- DWQ stormwater infrastructure maintenance work crew activities
- Stormwater management on construction projects
- Results of stormwater and water quality sampling
- Stormwater/wastewater infrastructure upgrades
- Stormwater quality challenges in Fayette County

Task 2.2b – Provide Technical Support for the MS4 Update to Elected Officials (MG-PE-18, MG-PE-19)

This task will involve assisting DWQ with developing the presentations for the MS4 update to the Urban County Council and Planning Commission.

Task 2.2c – Develop Content for the Renewed Public Outreach Objectives (MG-PE-07, MG-PE-08, MG-PE-09, MG-PE-10)

This task will involve assisting DWQ with developing content for its newly established public outreach objectives which include:

- Understanding of stormwater best management practices (BMPs)/infrastructure (what, why, how)
- Applying for incentive grants
- Proper BMP maintenance
- BMPs for targeted audiences including construction sites and industrial facilities
- The public's role in reducing stormwater pollution

Deliverables may include graphics, writeups, flyers, and other materials as needed.

PUBLIC INVOLVEMENT AND PARTICIPATION

Task 2.3a – Participate in the Stormwater Stakeholder Advisory Committee (SSAC) Meetings (MG-PI-12)

This task will involve attending and participating in the SSAC quarterly meetings.

ILLCIT DISCHARGE DETECTION AND ELIMINATION

Task 2.4a – Assist DWQ with Updating the Major Outfall Inventory / Storm Sewer Mapping (MG-IDDE-06, MG-IDDE-08)

This task will involve assisting DWQ and LFUCG Computer Services with updating the Major Outfall inventory and storm sewer mapping, including assisting with delineating the drainage area to each outfall with an inside diameter of 18 inches or larger. This includes identifying outfalls in the “Urban Areas” outside of the Urban Service Area.

Task 2.4b – Provide Technical Assistance for the Dry Weather Screening Program and Illicit Discharge Investigations (MG-IDDE-13, MG-IDDE-27)

This task will involve assisting the DWQ Compliance and Monitoring Section with the dry weather screening program and illicit discharge investigations on an as-needed basis. This will include conducting the annual QA/QC of the dry weather screening results and tracking hits through to illicit discharge investigations. It will also involve conducting a refresher session on the Enforcement Response Plan (ERP).

CONSTRUCTION SITE STORMWATER RUNOFF CONTROL

Task 2.5a – Evaluate and Update Existing Ordinance (MG-CS-01, MG-CS-02)

This task will involve working with DWQ and DES to finalize the proposed changes to *Article X, Division 5 – Reduction of Soil Erosion* of the Code of Ordinances. In addition, the floodplain ordinance will be reviewed to identify potential changes to make it consistent with the Stormwater Manual.

Task 2.5b – Update the Erosion and Sediment Control (ESC) Permitting, Inspection, and Enforcement (PIE) Procedures (MG-CS-01, MG-CS-02, MG-CS-03, MG-CS-04, MG-CS-07, MG-CS-09)

This task will involve updating the PIE Procedures for new development projects, Division of Engineering (DOE) capital projects, DWQ capital projects, and all other LFUCG divisions. Special emphasis will be placed on the communication between DOE and DWQ, and related documentation, for the issuance of LFUCG Land Disturbance Permits (LDPs).

Task 2.5c – Evaluate Website Content (MG-CS-20)

This task will involve reviewing the LFUCG website and recommending changes to ensure consistency with the Stormwater Manual, Procedures Manual for Infrastructure Development, Code of Ordinances, and related guidance documents.

Task 2.5d – Provide Technical Support for Active Construction Sites in Fayette County (MG-CS-04, MG-CS-08, MG-CS-10, MG-CS-21)

This task will involve providing technical support to ensure that LFUCG capital projects are the ESC “Gold Standard” for the community. The work will primarily be related to DWQ capital projects and will involve the following tasks:

- Attending DWQ pre-bid meetings and giving a presentation on the ESC PIE Procedures to the prospective bidders.
- Attending DWQ pre-construction meetings and giving a presentation on the ESC PIE Procedures for the Contractor and resident project representative (RPR); identifying the RPR for the project; identifying the Contractor’s inspector; assessing the status of the LFUCG LDP and General Permit for Stormwater Discharges Associated with Construction Activities (KYR10); discussing the responsibilities of the Contractor for the Phase 1 stream crossing ESCs; and discussing issues of concern such as trench dewatering.

- Attending DWQ Remedial Measures Plan (RMP) monthly progress meetings to assess the implementation of the ESC measures; ensure the Contractor and the RPR are conducting weekly inspections; and identifying issues of concern that need follow-up action.
- Conducting a final inspection of DWQ RMP projects to confirm that the disturbed areas have reached a uniform grass density of 70% with no large bare areas. A written report will be provided to the RMP Program Manager and the DWQ MS4/Water Quality Section Manager.
- Conducting ESC inspections on DWQ projects related to unique issues that arise during construction.
- Maintaining an up-to-date database of all LFUCG capital projects, RPRs, Contractor, LDP expiration date, and KYR10 expiration date.
- Updating the Permitting Packet and Contractor's Handbook.

The following projects are anticipated to be in construction in 2026-2027:

DWQ Remedial Measures Plan & Capacity Assurance Projects

- Ecton Trunk
- Greenbriar 2 Pump Station
- Mint Lane Pump Station
- North Elkhorn Pump Station / Wet Weather Storage
- Sutherland Trunk
- Town Branch Wet Weather Storage and Vector Dump Station
- West Hickman Trunk F

DWQ Sanitary Sewer Projects

- North Elkhorn Force Main Relocation
- St. Martin's Pump Station Elimination
- Georgetown Street Sewer Replacement

DWQ Stormwater Projects

- Mentelle Park
- Idle Hour

Task 2.5e,f,g – Conduct ESC Training (MG-CS-21, MG-CS-22)

This task will involve planning, developing the content for, and conducting the ESC training for the construction industry, LFUCG staff involved in capital projects, consultants who provide resident observation services to the DWQ RMP projects, and contractors. For each training session, the deliverables will include the following:

- Agenda that includes topics to be addressed based on feedback from staff and prior training sessions
- Draft and final PowerPoints and handouts

Task 2.5h – Conduct ERP/ESC Training Sessions with DWQ Staff (MG-CS-22)

This task will involve conducting meetings with DWQ Compliance and Monitoring inspectors to ensure the ERP is being followed. The following topics will be addressed:

- timely issuance of Notices of Violation (NOVs) when a violation is observed
- timely follow-up to NOVs
- escalating enforcement to DES when necessary
- consistency among the inspectors

Task 2.5i – Develop a YouTube Training Video (MG-CS-16)

This task will involve working with DWQ, DES, and LFUCG Government Communications to develop a YouTube training video about ESC selection and implementation. The deliverables will be a “script” for the video and coordinating the filming and editing.

Task 2.5j – Work with DOE, DWQ, and DES to Resolve ESC PIE Issues

This task will involve working with DOE, DWQ, and DES to resolve communication and documentation issues related to the review of ESC plans, issuance of the LDP, interaction with the permittee and the ESC plan preparer during construction, inspections, issuance of NOVs, and enforcement.

POST-CONSTRUCTION STORMWATER MANAGEMENT

Task 2.6a – Provide Technical Support for Implementation of the Stormwater Manual, Procedures Manual, and Maintenance Manual (MG-PC-01, MG-PC-03, MG-PC-22)

This task will involve providing continued support for the implementation of the 2020 Stormwater Manual and 2016 Procedures Manual. The following work is envisioned:

- Develop a list of potential changes to the Stormwater Manual for consideration by LFUCG staff, including:
 - design and construction requirements for Manufactured Treatment Devices
 - design and construction requirements for open channels and storm sewer outlet protection to minimize erosion (including evaluating outfalls to the point of discharge and location of channel protection requirements)
 - design and construction standards for Erosion Control Blanket that will meet KDOW final stabilization criteria
 - alternatives to silt bags for curb inlet protection
 - enhanced erosion and sediment control requirements for large construction sites
 - design requirements for wetlands
- Provide regulatory and technical interpretations of the requirements for water quantity, water quality, and redevelopment
- Update the Stormwater Management Executive Summary form as needed
- Update the Water Quality Volume spreadsheet as needed

Task 2.6b – Update the Status Report of the Expansion Area 2 Stormwater Facilities (MG-PC-06)

This task will involve updating the status report as new stormwater controls are constructed.

Task 2.6c – Update the Inventory of Stream Restoration Projects (MG-PC-09)

This task will involve updating the inventory of stream restoration projects as DWQ receives new information from consultants, resource agencies, universities, internal staff, stakeholders, and other parties that have been involved in or have awareness of such projects.

Task 2.6d – Conduct a Post-Construction Forensic Analysis of Development Projects (MG-PC-22)

This task will involve conducting a post-construction stormwater management forensic analysis of development projects as identified by DWQ. The scope of work will include the following:

- Evaluate the stormwater concerns identified by the citizens, including areas of surface erosion, streambank erosion, channel scouring, backyard flooding, and ponding water.
- Determine the possible causes of the stormwater issues (e.g., inadequate design standards in the Stormwater Manual; deficiencies in Developer's Engineer's Improvement Plans; faulty construction; or other reason).
- Identify potential changes to the Stormwater Manual or Procedures Manual to address the issues.
- Prepare a report of findings.

Task 2.6e – Develop a YouTube Training Video (MG-PC-28)

This task will involve working with DWQ, DES, and LFUCG Government Communications to develop a YouTube training video about the Maintenance Manual for Post-Construction Stormwater Controls. The deliverables will be a “script” for the video and coordinating the filming and editing.

Task 2.6f – Work with DOE, DES, and DWQ to Resolve Post-Construction Inspection, Maintenance, and Enforcement Issues

This task will involve conducting the quarterly coordination meetings and updating the current procedures to address issues that arise at the meetings with the three divisions. For each monthly meeting, the deliverables will include the following:

- Agenda that includes the topics to be addressed
- Updating the Truant Basin List
- Updating the ESC database of LFUCG Capital Projects
- Compiling the Measurable Goal Dashboard of monthly/daily precipitation and monthly inspection data for Active Construction Sites, Detention Basins, Retention Ponds, Critical Culverts, Water Quality Controls, and Underground Detention.

Task 2.6g – Evaluate Stormwater Management Objectives for Expanded Urban Service Boundary Areas (MG-PC-03)

This task will involve evaluating stormwater management objectives for the expanded urban service areas such as implementation of Qcritical and constructed wetland design, construction, and maintenance. The findings will be summarized in a Technical Memorandum to the DWQ MS4/Water Quality Section Manager.

Task 2.6h – Conduct Inspections of Green Infrastructure (As Needed)

This task will involve evaluating the function and ecological condition of vegetated stormwater controls (SWCs) including:

- Bioretention
- Rain Gardens
- Bioinfiltration Swales
- Infiltration Basins and Trenches
- Tree Trenches and Planter Boxes
- Vegetated Roofs
- Constructed Wetlands

Infiltration-Based SWCs

The following indicators will be evaluated to assess the function and ecological condition of each bioretention, rain garden, bioinfiltration swale, infiltration basin/trench, tree trench/planter box, and vegetated roof:

- Infiltration Rate: A Turf-Tec infiltrometer will be used a minimum of three (3) times at each SWC to determine if the rate is at least 0.5 inches per hour.
- Vegetation: The composition and abundance of plant species, including the prevalence of exotic species which often reflect degraded or declining water quality will be documented.

Constructed Wetlands

Multiple indicators will be evaluated to assess the function and ecological condition of each constructed wetland. Function will be assessed using the multi-parameter approach outlined in the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region (Version 2.0), in which wetland vegetation, hydrology, and soils are documented. Additional plant data and evidence of physical alteration will be documented to derive descriptors of ecological health. The composition and abundance of plant species, including the prevalence of exotic species which often reflect degraded or declining water quality, and physical alterations such as vegetation removal/replacement, flow obstruction, etc. that indicate disturbance and stress to the wetland, will be documented.

A brief Technical Memorandum summarizing the assessment findings will be prepared for each SWC. A completed checklist, field data sheets (as appropriate), photographs, and aerial exhibit will be appended.

POLLUTION PREVENTION FOR MUNICIPAL OPERATIONS

Task 2.7a – Conduct Annual Monitoring of Municipal Waste Facilities (MG-PPMO-15)

This task will involve collecting and analyzing wet weather samples from the outfalls at the Town Branch WWTP and West Hickman WWTP. The deliverable will be a letter report summarizing the sample collection and monitoring results, including maps, certificates of laboratory analysis, and chains of custody.

Task 2.7b – Update Standard Technical Specifications for DWQ Stormwater and Water Quality Capital Projects

This task will involve updating the DWQ standard technical specifications for the contract sections listed below:

- Division 1 – General Requirements
- Division 2 – Site Work
- Division 3 – Concrete

This task will be accomplished by incorporating the comments from the DWQ Stormwater Section and DWQ MS4/Water Quality Section.

Task 2.7c – Continue Development of a Stormwater Operations and Maintenance Manual for LFUCG Facilities

Phase II MS4s are currently required to develop an Operations and Maintenance Manual. LFUCG anticipates this requirement will be included in its next MS4 Permit.

This work is anticipated to be ongoing and includes the following tasks:

- Assist DES with determining which facilities are required to have GWPPs, SPCC Plans, and SWPPPs.
- Assist DES with conducting site visits to all applicable facilities to take photographs, develop maps, and create inventories of on-site materials.
- Develop findings report and begin drafting the framework for the manual.
- Create a comprehensive Stormwater O&M Manual that incorporates applicable facility plans and sets standards and protocols of how LFUCG operates to protect stormwater quality.

Task 2.7d – Review and Update of DWQ GPP, SWPPP, and SPCC Plans

Tetra Tech assisted DWQ with GPP, SWPPP, and SPCC Plan development for pump stations and the WWTPs under Contract Year 1 Task Order 6. Task 2.7d will allow for the review and update of these plans as necessary. In Kentucky, SPCC Plans must be developed and recertified every 5 years by a licensed Professional Engineer (PE). GPPs are required to be reviewed and recertified by the person responsible for implementing the plan or an authorized representative every 3 years. The WWTP SWPPPs are required by the MS4 Permit to be reviewed annually. Plans may also be updated in between review periods in cases such as a process change.

INDUSTRIAL FACILITY STORMWATER POLLUTION PREVENTION

Task 2.8a – Facility Inspection Tracking

(MG-IN-11, MG-IN-12, MG-IN-13)

This task will involve conducting an annual QA/QC of Industrial, High-Risk Commercial, and No Exposure facility inspections. The deliverable will be a memo summarizing the current inventories, facilities inspected during the previous calendar year, and those remaining to accomplish program requirements.

MS4 PERMIT ANNUAL REPORT

Task 2.9a – Assist DWQ with Preparation and Submittal of the Report

(MG-RR-01)

This task will involve assisting the DWQ MS4/Water Quality Section Manager with preparing the report and submitting it to KDOW.

Task 2.9b – Develop a Story Map for the Annual Report

This task will involve creating an interactive story map for the public to review the past year's MS4 activities.

MS4 Program Management: Contract Year 2 (July 1, 2026 -June 30, 2027): Task Order 2 - MS4 Permit

Task	Subtotal Hours	Total		Lab Expenses
		Peri Man	Project Technician	
		\$ 1.00	\$ 50.00	
2.1 General Permit Support				
a Assist DWQ with the MS4 Permit renewal and update of the SWQMP (deferred until the draft MS4 Permit is issued).	188			\$ 35,340
b Provide Technical Support for the Continued 2015 MS4 Permit	134			\$ 23,170
2.2 Public Education				
a Develop two success stories for the MS4 program	30			\$ 4,300
b Assist DWQ with the MS4 update to the Urban County Council and Planning Commission	5			\$ 850
c Assist DWQ with developing content for renewed public outreach objectives (focusing on BMPs and maintenance)	50			\$ 8,100
2.3 Public Involvement				
a Participate in Stormwater Stakeholder Advisory Committee meetings (as requested).	36			\$ 7,620
2.4 Illicit Discharge Detection and Elimination				
a Assist DWQ/CS with updating the Major Outfall Inventory and storm sewer mapping	70			\$ 10,800
b Provide technical support for the Dry Weather Screening Program and illicit discharge investigations. Review / QA LFUCG data.	132			\$ 20,860
2.5 Construction Site Stormwater Runoff Control				
a Work with DWQ, DES, and the Law Department to finalize the proposed changes to the ordinance and submit them to the Urban County Council.	30			\$ 6,350
b Update the Permitting, Inspection, and Enforcement Procedures to address inadequate ESC Plans and LDP Issuance Documentation	47			\$ 7,440
c Work with LFUCG staff to update the website content related to construction sites	10			\$ 1,700
d Provide Technical Support for DWQ Active Construction Sites. Attend pre-bid, pre-construction, and progress meetings. Conduct final inspections for 70% grass coverage. Maintain database.	245			\$ 42,100
e Conduct ESC training for the construction industry and home builders	52			\$ 8,690
f Conduct ESC training for internal capital project inspectors in DWQ and DOE	31			\$ 5,320
g Conduct ESC training for consultants who perform ESC inspections for the Sanitary Sewer RMP projects	31			\$ 5,320
h Conduct Enforcement Response Plan training sessions with DWQ Compliance and Monitoring Inspectors	31			\$ 5,320
i Develop a YouTube Training Video	15			\$ 2,350
j Work with DOE, DES, and DWQ staff to resolve ESC permitting, inspections, and enforcement issues that arise	70			\$ 14,400
2.6 Post Construction Stormwater Management				
a Provide technical support for implementation of the Stormwater Manual, Procedures Manual, and Maintenance Manual including necessary amendments	187			\$ 36,350
b Work with DWQ and DOE to update the status of the stormwater controls in EA2 as stormwater controls are designed and constructed.	22			\$ 3,990
c Update the inventory of stream restoration projects	10			\$ 1,620
d Conduct a Post-Construction Forensic Analysis of Development Projects. Evaluate stormwater problems, determine causes, identify potential changes to the Stormwater Manual and Procedures Manual	130			\$ 23,350
e Develop a YouTube Training Video	24			\$ 3,280
f Work with DOE, DES, and DWQ staff to resolve inspections, maintenance, and enforcement issues that arise	60			\$ 11,450
g Evaluate stormwater management objectives for expanded urban service boundary areas such as implementation of Qcritical and wetland design/construction/maintenance	180			\$ 29,860
h Conduct as-needed inspections of green infrastructure	286			\$ 39,930
2.7 Pollution Prevention for Municipal Operations				
a Conduct annual monitoring of municipal waste facilities (West Hickman WWTP and Town Branch WWTP)	32			\$ 4,005
b Update the standard technical specifications for DWQ stormwater capital projects	52			\$ 8,290
c Continue development of an Operations and Maintenance Manual	142			\$ 22,790
d SPCC Plan / GPP / SWPPP Reviews	20			\$ 4,550
2.8 Industrial Facility Stormwater Pollution Prevention				
a Provide technical support for IN program. Review / QA LFUCG data.	28			\$ 4,440
2.9 MS4 Annual Report				
a Assist DWQ with preparation and submittal of the report	120			\$ 18,800
b Develop a Story Map for the Annual Report	82			\$ 12,590
Total Hours	2582	0	\$ 435,325	
Total Estimated Labor Fee	\$ 435,325	\$ -	\$ 435,325	
				\$ 436,205
				\$ 436,205
				\$ 880
				\$ 436,205

Task		Subtotal Hours	Tetra Tech										Salt River		Third Rock										Total		
			Program Manager	Project Manager I	Senior Engineer III	Project Engineer I	Sr. Eng. Designer I	Engineer III	Engineer II	Engineer I	Senior Technician I	Project Administrator	Senior Engineer	Principal	Sr. Project Manager	Sr. Engineer	Project Engineer	Sr. Ecologist	Project Ecologist	Staff Ecologist	GIS Analyst	Contract Administrator	Technical Writer	Sr. Technician	Project Technician		
			\$ 295.00	\$ 170.00	\$ 285.00	\$ 170.00	\$ 175.00	\$ 150.00	\$ 130.00	\$ 120.00	\$ 135.00	\$ 110.00	\$ 200.00	\$ 275.00	\$ 215.00	\$ 200.00	\$ 165.00	\$ 135.00	\$ 110.00	\$ 90.00	\$ 110.00	\$ 100.00	\$ 80.00	\$ 70.00	\$ 50.00		
2.1 General Permit Support																											
a	Assist DWQ with the MS4 Permit renewal and update of the SWQMP (deferred until the draft MS4 Permit is issued).	188	20	80											24		40		24							\$ 35,340	
b	Provide Technical Support for the Continued 2015 MS4 Permit	134	10	40										12			40		32							\$ 23,170	
2.2 Public Education																											
a	Develop two success stories for the MS4 program	30		10				20																		\$ 4,300	
b	Assist DWQ with the MS4 update to the Urban County Council and Planning Commission	5		5																						\$ 850	
c	Assist DWQ with developing content for renewed public outreach objectives focusing on BMPs and maintenance	50		40				10																		\$ 8,100	
2.3 Public Involvement																											
a	Participate in Stormwater Stakeholder Advisory Committee meetings (as requested).	36	12	12		12																				\$ 7,620	
2.4 Illicit Discharge Detection and Elimination																											
a	Assist DWQ/QCS with updating the Major Outfall Inventory and storm sewer mapping	70		40				10		20																\$ 10,800	
b	Provide technical support for the Dry Weather Screening Program and illicit discharge investigations. Review / QA LFUCG data.	132	10	40										2			32		48							\$ 20,860	
2.5 Construction Site Stormwater Runoff Control																											
a	Work with DWQ, DES, and the Law Department to finalize the proposed changes to the ordinance and submit them to the Urban County Council.	30	10	20																						\$ 6,350	
b	Update the Permitting, Inspection, and Enforcement Procedures to address inadequate ESC Plans and LDP Issuance Documentation	47	2	25				20																		\$ 7,440	
c	Work with LFUCG staff to update the website content related to construction sites	10		10																						\$ 1,700	
d	Provide Technical Support for DWQ Active Construction Sites. Attend pre-bid, pre-construction, and progress meetings. Conduct final inspections for 70% grass coverage. Maintain database.	245	10	175		40		20																		\$ 42,100	
e	Conduct ESC training for the construction industry and home builders	52	2	40				10																		\$ 8,690	
f	Conduct ESC training for internal capital project inspectors in DWQ and DOE	31	2	24				5																		\$ 5,320	
g	Conduct ESC training for consultants who perform ESC inspections for the Sanitary Sewer RMP projects	31	2	24				5																		\$ 5,320	
h	Conduct Enforcement Response Plan training sessions with DWQ Compliance and Monitoring Inspectors	31	2	24				5																		\$ 5,320	
i	Develop a YouTube Training Video	15		10																						\$ 2,350	
j	Work with DOE, DES, and DWQ staff to resolve ESC permitting, inspections, and enforcement issues that arise	70	20	50																						\$ 14,400	
2.6 Post Construction Stormwater Management																											
a	Provide technical support for implementation of the Stormwater Manual, Procedures Manual, and Maintenance Manual including necessary amendments	187	40	75		40		20					12													\$ 36,350	
b	Work with DWQ and DOE to update the status of the stormwater controls in EAZ as stormwater controls are designed and constructed.	22	2	20																						\$ 3,990	
c	Update the inventory of stream restoration projects	10		8				2																		\$ 1,620	
d	Conduct a Post-Construction Forensic Analysis of Development Projects. Evaluate stormwater problems, determine causes, identify potential changes to the Stormwater Manual and Procedures Manual	130	10	40		80																				\$ 23,350	
e	Develop a YouTube Training Video	24		4				20																		\$ 3,280	
f	Work with DOE, DES, and DWQ staff to resolve inspections, maintenance, and enforcement issues that arise	60	10	50																						\$ 11,450	
g	Evaluate stormwater management objectives for expanded urban service boundary areas such as implementation of Orrick and wetland design/construction/maintenance	180	10	40		40								10			32		48							\$ 29,860	
h	Conduct as-needed inspections of green infrastructure	286	10	40		40		40						4			24		80	48						\$ 39,930	
2.7 Pollution Prevention for Municipal Operations																											
a	Conduct annual monitoring of municipal waste facilities (West-Hickman WWTP and Town Branch WWTP)	32		2										1			8		9	12	1					\$ 4,005	
b	Update the standard technical specifications for DWQ stormwater capital projects	52	2	10		20		20																		\$ 8,290	
c	Continue development of an Operations and Maintenance Manual	142	2	100				40																		\$ 22,790	
d	SPCC Plan / GPP / SWPPP Reviews	20				10	10																			\$ 4,550	
2.8 Industrial Facility Stormwater Pollution Prevention																											
a	Provide technical support for IN program. Review / QA LFUCG data.	28		20				8																		\$ 4,440	
2.9 MS4 Annual Report																											
a	Assist DWQ with preparation and submittal of the report	120		80				40																		\$ 18,800	
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