SPECIFIC AUTHORIZATION NO. 5

CITY OF FT. PIERCE BMAP ALLOCATION SUPPORT

SCOPE OF SERVICES

Pursuant to the "CONTINUING CONTRACT FOR RFQ No. 2025-022" between the City of Fort Pierce (hereinafter referred to as "CITY") and Kimley-Horn and Associates, Inc. (hereinafter referred to as "ENGINEER"), dated the 3rd day of November, 2025 and the First Amendment to the Continuing Contract (hereinafter referred to as the "AGREEMENT"), CITY authorizes the ENGINEER on this _____ day of _____, 2026 ("SA No. 5 Effective Date") to provide professional services as detailed herein.

The CITY participates in the Florida Department of Environmental Protection (FDEP) Statewide Basin Management Action Plan (BMAP) program for the St. Lucie Estuary basins pursuant to Section 403.067(7) Florida Statutes. As part of the program, the CITY is required to identify and report on capital improvement projects which decrease total maximum daily loads (TMDLs) within the basin to FDEP's Statewide Annual Report (STAR) Portal to show progress toward five-year and fifteen-year milestone nutrient reductions.

Section 1 – Scope of Work and Schedule of Services

ENGINEER will provide the following services in accordance with this AUTHORIZATION:

Professional consultant services are requested for the review and preparation of project documentation to be submitted to FDEP for the 2026 STAR. The proposed services and scope of work are described in Exhibit "A", which is attached hereto and incorporated by reference herein.

Section 2 – Deliverables

ENGINEER shall provide the following deliverables to the CITY as listed below and described in Exhibit "A", which is attached hereto and incorporated by reference herein:

Task 1 – Kickoff Meeting	Within 1 week of NTP
Task 2 – Data Collection and Review	Within 2 months of NTP
Task 3 – Existing System Summary Report	Within 4 months of NTP
Task 4 – Development of Supporting Documentation	Within 6 months of NTP
Task 5 – Stakeholder Coordination	Ongoing
Task 6 - QAQC	Ongoing
Task 7 – FDEM Watershed Planning Program Notice of Proposal	TBD, Per Exhibit "A"

Section 3 – Method and Amount of Compensation

CITY will compensate ENGINEER for services under this AUTHORIZATION in accordance with the payment method as set forth in Exhibit "A and A1", respectively, which is attached hereto and incorporated by reference herein.

The budget (or fee) for the services is not to exceed $159,619.29.

Section 4 – CITY's Responsibilities

The CITY hereby designates the City Engineer or their designee as CITY's representative for matters related to this AUTHORIZATION.

Section 5 – Specific Authorization Expiration

This Specific Authorization shall commence upon the effective date and remain in full force effect until ENGINEER has completed the Work referenced here in this SA, as approved by the CITY, or by November 3, 2027, whichever occurs first.

Section 6 – Other Provisions

All applicable portions of the AGREEMENT not specifically modified herein shall remain in full force and effect and are incorporated by reference herein.

IN WITNESS WHEREOF, this AUTHORIZATION has been fully executed on behalf of the ENGINEER by its duly authorized officer, and the CITY has caused the same to be duly executed in its name and on its behalf, effective as of the date hereinabove written.

CITY OF FORT PIERCE, FLORIDA:

By: _____ Date: _____
Linda Hudson, Mayor

KIMLEY-HORN AND ASSOCIATES, INC.

By: _____ Date: 11/02/2026
Dawn Dodge, Authorized Signatory

APPROVED AS TO FORM & CORRECTNESS:

By: _____ Date: _____
Camille Wallace, Esq., Interim City Attorney

Approved as to Form and Correctness by CAO a/o 10/28/26

EXHIBIT "A"

DETAILED DESCRIPTION OF THE PROJECT AND SCOPE OF SERVICES

CITY OF FT. PIERCE BMAP ALLOCATION SUPPORT

PROJECT UNDERSTANDING

The CITY participates in the Florida Department of Environmental Protection (FDEP) Statewide Basin Management Action Plan (BMAP) program for the St. Lucie Estuary basin pursuant to Section 403.067(7) Florida Statutes. As part of the program, the CITY is required to identify and report on capital improvement projects which decrease total maximum daily loads (TMDLs) within the basin to FDEP's Statewide Annual Report (STAR) Portal to show progress toward five-year and fifteen-year milestone nutrient reductions. The objective of this project is to provide BMAP allocation support for existing BMPs within the St. Lucie Estuary basin.

SCOPE OF WORK

The CITY shall hire the ENGINEER to perform the following key tasks:

Task 1 – Kickoff Meeting

Following issuance of the Notice to Proceed (NTP), the ENGINEER will attend a virtual kickoff meeting with the CITY to review project goals, objectives, scope and schedule, and establish lines of communication and flow of information. ENGINEER will prepare meeting highlights.

Deliverables:

- Kickoff Meeting Highlights (PDF format)

Task 2 - Data Collection and Review

The ENGINEER will collect and review existing data to assess the suitability for use in this project and conduct a data gap analysis as described below.

CITY to provide (if available):

- STAR Milestone Worksheet(s) from 2013 to present for the St. Lucie Estuary BMAP
- Capital improvements plan and status of ongoing/upcoming projects which provide load reductions.
    - Supplemental documentation which identifies nutrient loading and/or reductions (e.g. BMP Trains model, stormwater calculations, drainage reports, etc.)
- Supporting documentation submitted for voided/rejected STAR projects. Examples of such data include:
    - Existing Environmental Resource Permit (ERP) documentation
    - As-builts and/or plan sets
    - Water quality calculations (e.g. BMP Trains)
    - Drainage reports

- Maintenance schedules
- Latest related GIS layers, as requested by the ENGINEER
- Other related data as identified using the FDEP Verification Helper tool, as applicable

ENGINEER will also collect the following publicly available data:

- SJRWMD ERPs dated from 2013 to current within the St. Lucie Estuary Basin
- Available SJRWMD monitoring data and reports for total nitrogen (TN) and total phosphorous (TP) loading and reductions specific to capital projects and ERPs maintained by the City
- FPFWCD permits for water treatment facilities within the St Lucie Estuary Basin
- FDEP's Watershed Water Quality Simulation (WaSH) model for the St Lucie Estuary Basin

Deliverables:

- Draft/Final Data Collection and Review Technical Memorandum
- Data Collection Register

Task 3 – Existing System Summary Report

The ENGINEER shall review data collected in Task 2 and prepare an existing system summary and data gap analysis. The existing system summary will include review and summary of existing data for the following:

- The ten (10) voided/rejected projects from the CITY's STAR Portal
- City-owned/maintained ERPs identified in Task 2

The ENGINEER will conduct a data gap analysis and summarize missing or low-quality data which may require supplementation to be awarded allocations from FDEP. The data gap analysis will be prepared in alignment with the FDEP Verification Helper tool. The data gap summary will include recommendations to address data gaps and will identify level of effort required to rectify them in compliance with FDEP guidance.

Based on the findings of the data gap analysis, the ENGINEER will make recommendations on which projects to prepare for submittal/re-submittal to the 2026 STAR Portal. Recommendations will be based on available project data, effort required to prepare supplemental data, and feasibility of acquiring allocations from FDEP.

The ENGINEER will host a virtual pre-submittal meeting to review the findings of this exercise as well as discuss recommendations for efforts to be completed under Task 4.

Deliverables:

- Draft/Final Existing System Summary Report to include data gap analysis and project submittal recommendations
- Attendance at pre-submittal meeting and preparation of meeting highlights

Task 4 – Development of Supporting Documentation

Work under this task is limited to a total budget of $65,000.00 and will be performed on an hourly basis.

Per written direction of the CITY, the ENGINEER will prepare supplemental documentation and materials identified in the Existing System Summary Report to support STAR Portal project submittals as required by FDEP. Documentation and materials such as:

- GIS layers
- Descriptions of project and how it meets FDEP requirements for allocations
- Maintenance Schedules
- Local Ordinances/Regulations
- Nutrient Load/Removal Calculations

The ENGINEER will prepare and submit documentation in the STAR Portal.

Deliverables:

- Preparation of Supporting Documentation for up to ten (10) projects
    - Documentation will be prepared based on guidance provided in the FDEP Verification Helper tool
- Project submittal to the STAR Portal for up to ten (10) projects

Task 5 – Stakeholder Coordination

The ENGINEER in collaboration with the CITY will participate in up to four (4) virtual stakeholder coordination meetings with the Fort Pierce Utilities Authority (FPUA) and the Fort Pierce Farms Water Control District (FPFWCD) to identify strategies for development of STAR Portal Project submittals from the stakeholder entities. ENGINEER will prepare meeting highlights and provide to the CITY and stakeholders.

Deliverables:

- Attendance and participation in up to four (4) virtual stakeholder coordination meetings
- Stakeholder Meeting Highlights

Task 6 – QAQC

The ENGINER shall conduct a targeted technical quality control (QC) for project calculations and reporting associated with ten (10) existing BMPs. Services will include reviewing materials for completeness and organization; evaluating calculation methodologies, assumptions, input parameters, and unit consistency; and assessing alignment with BMAP crediting methodologies, applicable BMP efficiencies, and typical regulatory reporting expectations.

Deliverables:

- Consolidated QA/QC review comments provided in tracked changes, annotated documents, or memorandum format, as appropriate

Task 7 – FDEM Watershed Planning Program Notice of Proposal

The ENGINEER will develop a proposal schedule focused on the FDEM Watershed Planning Program submittal deadline and coordinate with the CITY's point of contact to meet critical milestones and obtain documentation, data, and graphics needed to support the Notice of Proposal.

The ENGINEER will review the program guidance materials to assist the CITY in complying with the requirements, priorities, specific metrics, and criteria established in the Funding Opportunity, including CRS creditability requirements and the required LMS Chairperson letter of endorsement.

The ENGINEER, in collaboration with the CITY's point of contact, will complete the FDEM Notice of Proposal Form and prepare the supporting narrative that responds to each required section, including:

- Contact information, subapplicant information, and Local Mitigation Strategy (LMS) compliance;
- Project Description – population protected, flood insurance policies, and a description of the existing stormwater/flooding problems;
- Scope of Work approach – how the CITY will complete the WMP/SWMP tasks, including staffing, use of an outside firm, and available resources;
- Community Information (CRS class, points accrued, and expected points from the plan) and other on-going or proposed projects in the area;
- Schedule of Work in monthly increments (not to exceed 24 months) and the proposed start/end dates;
- Budget consistent with the scope and 2 CFR 200 Subpart E, and the Federal/Non-Federal cost-share breakdown (75% / 25%).

In addition to the preparation of the required sections outlined above, the ENGINEER will prepare and format the following supporting documents for inclusion in the submittal package:

- Required maps and graphics, including a city-scale location map, a map outlining the total area to be modeled, and the FIRM panel(s) identifying the project flood zone(s);
- CRS Points Spreadsheet
- LMS Coordinator letter of endorsement

Deliverables:

- Draft/Final FDEM Watershed Planning Program Notice of Proposal package, inclusive of the completed proposal form, supporting narrative, required maps and CRS spreadsheet, and coordinated LMS endorsement letter.

PERFORMANCE SCHEDULE

The following tasks shall be completed within the number of months indicated below as counted from the date the City issues notice to proceed (NTP) of this Agreement.

TASKS	TIMELINE
Task 1 – Kickoff Meeting	Within 1 week of NTP
Task 2 – Data Collection and Review	Within 2 months of NTP
Task 3 – Existing System Summary Report	Within 4 months of NTP
Task 4 – Development of Supporting Documentation	Within6 months of NTP
Task 5 – Stakeholder Coordination	Ongoing
Task 6 - QAQC	Ongoing
Task 7 - FDEM Watershed Planning Program Notice of Proposal	TBD*

**The ENGINEER will provide the services described in Task 7 as expeditiously as practicable following the issuance of FDEM's Notice of Proposal with the goal of submitting a final Notice of Proposal package to the CITY with sufficient time for the CITY to submit to FDEM before the application deadline. The schedule for this Task will be defined in writing following the issuance of the Notice of Proposal.*

PERFORMANCE BUDGET

TASKS	FEE
Task 1 – Kickoff Meeting	$2,475.00
Task 2 – Data Collection and Review	$14,230.00
Task 3 – Existing System Summary Report	$32,920.00
Task 4 - Development of Supporting Documentation	$65,000.00**
Task 5 – Stakeholder Coordination	$12,100.00
Task 6 - QAQC	$15,914.29
Task 7 - FDEM Watershed Planning Program Notice of Proposal	$16,980.00
**hourly, not to exceed — Total =	$159,619.29

The ENGINEER will provide those services described in Tasks 1, 2, 3, 5, 6, and 7 on the basis of the lump sum amount listed above. For all lump sum tasks, invoicing will be provided monthly on a percent complete basis. A status report summarizing the work completed during the invoice period task being invoiced will be provided.

Compensation for as-needed services under Task 4 will be on an hourly basis using the current rates set forth in the AGREEMENT. Invoices will take place monthly and will include documentation of hours worked times the billing rates associated with the position titles set forth in the fee schedule (see Exhibit A1).

ASSUMPTIONS

- The ENGINEER will provide draft deliverables to the CITY for review. The CITY has an estimated 14-day time frame for comments. After receiving comments, the ENGINEER

will reconcile the comments and revisions into a final deliverable. The ENGINEER shall respond to up to one (1) round of CITY comments.

- Following pre-submittal meeting and CITY review of Task 3, the ENGINEER will provide services for Task 4 which are agreed upon by the CITY in writing.
- The ENGINEER will coordinate with the CITY and stakeholders to schedule stakeholder meetings.
- The CITY is responsible for making key staff available for the project.
- Additional services not included in this work include:
    - Any projects identified in stakeholder coordination between the CITY, FPUA, and the FPFWCD.
    - Field sampling and/or laboratory testing.
- There are elements in the overall project schedule that cannot be controlled by the ENGINEER such as the timing of stakeholder meetings. The project schedule will be updated accordingly and communicated with the CITY.
- For the FDEM Watershed Planning Program funding, the maximum federal cost share is 75 percent, with a 25 percent non-federal match provided as cash, in-kind, or third-party contributions. To be eligible, the CITY must be a participant in good standing with the National Flood Insurance Program (NFIP), maintain a current FEMA-approved Local Mitigation Strategy (LMS), and provide a signed letter from the county's LMS Chairperson attesting that the completed plan will be adopted in the next LMS update. The total planning period of performance may not exceed 24 months from execution of the sub-recipient agreement.
- The ENGINEER will compile the package into submittal format. the Client (as the Applicant/Sub-recipient) is responsible for signing the required certifications and submitting the completed package to FDEM prior to the deadline.
- The ENGINEER shall be entitled to rely on the completeness and accuracy of all information provided by the CITY or the CITY's consultants or representatives. The CITY shall provide all information requested by the ENGINEER during the project.

EXHIBIT "A1"
BMAP ALLOCATION SUPPORT
TASK FEE SCHEDULE

Title/Job Description	Principal	Registered Professional	Professional 1	Support Staff	Estimated Travel Expenditures	Other Expenditures	Total Cost	Total Hours	Element Total
Personnel Hourly Rate	$315.00	$210.00	$140.00	$100.00					
ELEMENT & TASK DESCRIPTIONS									
Task 1 Kick-Off Meeting	1.0	4.0	8.0	2.0			$2,475.00	15.0	
	$315	$840	$1,120	$200	$0	$0			$2,475.00
Task 2 Data Collection and Review	2.0	20.0	60.0	10.0			$14,230.00	92.0	
	$630	$4,200	$8,400	$1,000	$0	$0			$14,230.00
Task 3 Existing System Summary Report	8.0	40.0	150.0	10.0			$32,920.00	208.0	
	$2,520	$8,400	$21,000	$1,000	$0	$0			$32,920.00
Task 4 Development of Supporting Documentation							$65,000.00	0.0	
	$0	$0	$0	$0	$0	$0			$65,000.00
Task 5 Stakeholder Coordination	4.0	40.0	16.0	2.0			$12,100.00	62.0	
	$1,260	$8,400	$2,240	$200	$0	$0			$12,100.00
Task 6 QAQC	20.0					$9,614.29	$15,914.29	20.0	
	$6,300	$0	$0	$0	$0	$9,614			$15,914.29
Task 7 FDEM Watershed Planning Program Notice of P	12.0	40.0	20.0	20.0			$16,980.00	92.0	
	$3,780	$8,400	$2,800	$2,000	$0	$0			$16,980.00
Total Hours	11.0	64.0	218.0	22.0					315.0
Total Costs	$11,025	$21,840	$32,760	$2,400	$0	$9,614			$159,619.29

Approved as to Form and Correctness by CAO a/o 10/28/26

3505 E Frontage Rd.
Ste. 165
Tampa, FL 33607

April 17, 2026

Alycia Ciresi, P.E., ENV SP
Kimley-Horn
200 Central Avenue, Suite 600
St. Petersburg, FL 33701

SUBJECT: City of Fort Pierce BMAP Project Support QC Services

Dear Ms. Ciresi:

Applied Ecology, Inc. (AEI) is pleased to submit this scope and fee to Kimley-Horn for subconsultant support services for the above-referenced project. AEI's services will include targeted technical Quality Control (QC) review and Basin Management Action Plan (BMAP) crediting support for existing Best Management Practices (BMPs), based on project information provided to date.

BACKGROUND INFORMATION

AEI is pleased to provide Kimley-Horn and the City of Fort Pierce with this proposal to support water quality planning and nutrient reduction goals consistent with the St. Lucie BMAP. The effort is intended to support the development of defensible water quality information to inform planning-level decisions and regulatory reporting. This scope of services defines the work effort necessary to provide an independent technical review of BMP calculations and associated documentation, with particular emphasis on alignment with BMAP crediting methodologies and typical regulatory expectations.

PROPOSED SCOPE OF SERVICES

Below are the detailed tasks covered under this scope of work.

TASK 1: TECHNICAL QC REVIEW AND BMAP CREDITING SUPPORT

AEI will provide targeted technical QC review and support services for project calculations and reporting associated with ten (10) existing BMPs. Services will include reviewing submitted materials for completeness and organization; evaluating calculation methodologies, assumptions, input parameters, and unit consistency; and assessing alignment with BMAP crediting methodologies, applicable BMP efficiencies, and typical regulatory reporting expectations. AEI will also evaluate BMP

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applicability for nutrient reduction crediting and provide recommendations to improve the clarity and defensibility of reported reductions, including potential refinements to calculation approaches, supporting documentation, or monitoring considerations. Coordination with the Kimley-Horn and/or the City of Fort Pierce will be conducted as needed to clarify review comments and support their incorporation into project deliverables.

TASK 1 DELIVERABLE:

- Consolidated QA/QC review comments provided in tracked changes, annotated documents, or memorandum format, as appropriate.

ASSUMPTIONS

The following assumptions were used in the development of this scope of work:

- AEI will perform one (1) comprehensive QC review of materials provided by Kimley-Horn.
- Review will be based on complete and organized submittals, including all relevant calculations, supporting files, and draft documentation.
- Submittals will be provided in a clear and traceable format to allow efficient evaluation of inputs, assumptions, and results.
- AEI will serve in a supporting role and will not be responsible for primary analysis, modeling, or development of original calculations.
- QC review will include evaluation of BMP applicability and BMAP crediting approaches, based on professional experience and typical regulatory practices.
- Recommendations regarding BMP applicability or crediting will be provided as technical guidance and do not constitute regulatory approval or determination.
- AEI's review will be based on information provided and will not include independent verification of source data unless otherwise requested.
- No field work, data collection, or site visits are included in this scope.
- Additional review cycles, significant revisions, or expansion of scope may require additional services.

FEE AND METHOD OF COMPENSATION

We propose performing the above scope of services on a lump sum basis in accordance with AEI's standard labor rates. The task fees are based on our estimated budget for performing these services, which includes the labor and other direct costs necessary to complete the scope of work outlined herein. The proposed project will be performed for a lump sum cost of **$9,614.29**. Monthly invoices will be billed based on the percentage of tasks completed during each calendar month.

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SCHEDULE

AEI can initiate work within 2 weeks upon receipt of a notice to proceed (NTP) from Kimley-Horn. AEI proposes the work to take place within one month from project initiation.

AUTHORIZATION

Please provide written authorization to proceed consistently with the terms and conditions of the Master Services Agreement between Kimley-Horn and AEI for services rendered.

We appreciate the opportunity to offer our professional services on this project. If you have any questions concerning this proposal, please contact us at 321-499-3336.

Sincerely,

Claudia Listopad, Ph.D, GISP
President, Applied Ecology, Inc.

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