PROFESSIONAL SERVICES TASK ORDER

Task Order Number: 014 Task Order Date: May 27, 2025

Subject to the Master Services Agreement between *the City of Dalton, Georgia* [Client] and *Arcadis U.S., Inc.* [Arcadis], dated March 1st, 2020, Client hereby authorizes Arcadis to perform services as specified in this Task Order and in accordance with the above-mentioned Agreement.

1. Project Description:	A description of Client's Project for which work is requested is provided in Attachment 1, incorporated into this Task Order.
Client's Project N	Jumber:
Project Name: Client's Represer	Haig Mill Lake Multi-Use ESC Plans ntative: Chad Townsend
2. Scope of Work:	Arcadis shall perform its services as described in Attachment 1, incorporated into this Task Order.
Arcadis's Job Nu	mber:
Arcadis's Repres	entative: <u>Taylor Tittle, P.E.</u>
3. Time Schedule:	Arcadis shall use reasonable efforts to complete its work by: 60 days from Notice to Proceed
4. Compensation:	Arcadis's Compensation authorized under this Task Order, which shall not be exceeded without prior written authorization of Client, is:
	§ 40,500 This Task Order's Method of Payment is incorporated and attached as Attachment 2.
5. Special Conditions:	This Task Order is subject to the special provisions as described in Attachment 3, attached, and incorporated into this Task Order:
6. Amendment:	[] This Task Order amends a previously executed Task Order:
	Previous Task Order Number: Previous Task Order Date:

ISSUED AND AUTHORIZED BY: Client ACCEPTED AND AGREED TO BY: Arcadis, INC.

Mal U.

By: _____

By: <u>Richard A. Greuel, PE</u>

Title: _ Principal Engineer____

Title:

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Attachment 1 Description of Project & Scope of Work

Introduction

The City of Dalton has engaged Arcadis to develop a proposal for engineering and design services related to the widening of the Haig Mill Lake Multi-Use Trail. Arcadis understands that the City of Dalton Public Works Department intends to self-perform the paving and widening of the existing trail, which currently averages 5 feet in width and will be expanded to 10 feet where feasible. Arcadis will provide design services to produce an erosion control permit package, including a Land Disturbance Permit and a National Pollution Discharge Elimination System (NPDES) Permit, prepared, signed, and sealed by a Georgia-registered professional engineer holding a Level II Design certification from the Georgia Soil and Water Conservation Commission.

Task 1 – Existing Conditions Analysis

This task involves reviewing the existing hydrologic and hydraulic (H&H) computer models to evaluate existing drainage conditions within the study area basin surrounding Haig Mill Lake. The objective is to assess whether the additional impervious area introduced by the project will necessitate on-site detention or if a detention waiver will be required. Arcadis will utilize the previously developed HEC-HMS model developed for the watershed (see City-wide Flood Abatement Plan) to perform the H&H modeling needed for this task. Arcadis will develop an existing conditions model based on the data collected or provided. The following 24-hour storms will be modeled; 25-year, 50-year, and 100-year. The results will be analyzed and discussed with City staff.

Assumptions:

- Data transfer from County and City will be via electronic means.
- Land use will be based on existing conditions.

Meetings:

• A remote meeting to discuss findings of the existing conditions analysis.

Deliverables:

• Limited Technical Memorandum outlining means and methods as well as results of the analysis.

Task 2 – Erosion and Sediment Control Plans

Arcadis will prepare a permit package of the Haig Mill Lake Multi-Use Trail. Based upon the anticipated site size for the Haig Mill Lake trail to disturb more than 1 acre, as such, NPDES Construction permit will likely be required for this project. Following completion of the plans, it is assumed that the City Public Works staff will submit the plans to the appropriate agency for issuance of a Land Disturbance permit. Arcadis will provide support for the permitting effort of the land disturbance permit only. This will include plan revisions and answers to questions submitted by the plan reviewers. Following completion of the effort, Arcadis will provide a 100% set of construction plans marked "For Construction" signed and sealed by a Georgia Registered Engineer with a Level II Design certification by the Georgia Soil and Water Conservation Commission.

<u>30% Plans</u>

The purpose of the 30% plans are to provide an engineering design that identifies all constraints to the design and provide "proof of concept". The intent will be to align with the City on the existing conditions and preliminary design layout of the best management practices (BMPs) The 30-percent design drawings and deliverables will include:

- .30% Submittal Construction Plan Sheets
 - o Title Sheet
 - o (3) Phased Erosion Control Plans

• Erosion Control Details

<u>90% Plans</u>

The purpose of the 90% plans are to provide updated design drawings that are acceptable for permit submission. The 90-percent design drawings and deliverables will include:

- 90% Submittal Construction Plan Sheets
 - o Title Sheet
 - o General Notes
 - NPDES Compliance Map
 - o Drainage Area and Sediment Storage Calculations
 - o ESC Checklist and Inspection/Reporting Notes
 - o (3) Phased Erosion Control Plans
 - Erosion Control Details

Meetings:

- (1) meeting to review 30% ESC plan comments.
- (1) meeting to review 90% ESC plans and prepare for permit submission.
- (1) site visit prior to the erosion control design per NPDES permit requirements.
- (1) 7-day initial BMP inspection per NPDES permit requirements.

Deliverables:

- 30% ESC Plans (PDF Format)
- 90% ESC Plans (PDF Format)

Assumptions:

- Arcadis will utilize the City's Lidar data for topographic information on the plans.
- No survey will be performed as part of this project. Arcadis will utilize public data for existing conditions and background information.
- The City will provide the existing Multi-Use path layout for use on the plans.
- The City stated the Multi-Use trail is on average 5ft wide and will be widening it to 10ft wide.
- Paving will not take place on the north or south dam around Haig Mill Lake.
- The project disturbance is anticipated to be greater than 1 acre, therefore this requires NPDES Construction Stormwater permit documents and plans to be signed by a Georgia Registered Engineer with a Level II Design Certification by the Georgia Soil and Water Conservation Commission.
- The City will provide one set of consolidated review comments from the 30% design to be incorporated for the 90% IFP Submission.
- No detention facilities or water quality features are included in the engineering design fee.
- The City will self perform this work and will not require civil/site plans for this project.

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Attachment 2 Task Order Payment Terms

All work will be completed on a time and materials basis for a fee not to exceed the amount listed in this Task Order based on the 2025 rate table below. The task budgets below are an estimate of the level of effort for each phase of the scope of work.

Task 1 – H&H Design	\$10,500
Task 2 – Erosion Control Plans	<u>\$30,000</u>
	\$40,500

2025 Rate Schedule

Title	Rate \$/hr
Project Administrative Assistant	\$70
Project Assistant	\$90
Sr Project Assistant	\$120
Project Manager	\$215
Engineering Technician I	\$90
Engineering Technician II	\$110
Staff Engineer/Scientist/Architect I	\$90
Staff Engineer/Scientist/Architect II	\$100
Staff Engineer/Scientist/Architect III	\$110
Project Engineer/Scientist/Architect I	\$120
Project Engineer/Scientist/Architect II	\$135
Project Engineer/Scientist/Architect III	\$150
Senior Engineer/Scientist/Architect I	\$165
Senior Engineer/Scientist/Architect II	\$180
Senior Engineer/Scientist/Architect III	\$195
Principal Engineer/Scientist/Architect I	\$240
Principal Engineer/Scientist/Architect II	\$265
Principal Engineer/Scientist/ Architect III	\$290
Registered Land Surveyor	\$150
2-man Survey Crew	\$150
3-man Survey Crew	\$225

* A rate schedule will be provided with each Task Order proposal based on the specific services that will be provided and the rates effective at that time.

*All direct expenses will be billed at cost plus 10%

*Mileage will be billed at the current federal mileage rate

* Additional Services requested by the City beyond those in Scope of Work will be billed on an hourly basis in accordance with this rate schedule

PROFESSIONAL SERVICES TASK ORDER Task Order Number: 014 Attachment 3 <u>Special Conditions</u>

None.

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Attachment 4 <u>Project Area Map</u>

