

**PROFESSIONAL SERVICES TASK ORDER**

**Task Order Number: 004B**  
**Task Order Date: May 31, 2022**

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

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**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 Number: \_\_\_\_\_  
Project Name: Ridge Street Phase 2 and 3 – Design Services  
Client's Representative: Jackson Sheppard

**2. Scope of Work:** Arcadis shall perform its services as described in Attachment 1, incorporated into this Task Order.

Arcadis's Job Number: \_\_\_\_\_  
Arcadis's Representative: Richard Greuel, P.E.

**3. Time Schedule:** Arcadis shall use reasonable efforts to complete its work by: 180 days of 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:

\$ 178,685 [ ] 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:** [ 2 ] This Task Order amends a previously executed Task Order: Ridge Street Drainage Study

Previous Task Order Number: 004 Previous Task Order Date: March 11, 2021

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**ISSUED AND AUTHORIZED BY:**  
Client

**ACCEPTED AND AGREED TO BY:**  
Arcadis, INC.

By: \_\_\_\_\_ By: \_\_\_\_\_

Title: \_\_\_\_\_ Title: \_\_\_\_\_

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**Attachment 1**  
**Description of Project & Scope of Work**

**Introduction**

The City of Dalton Public Works Department has requested that Arcadis prepare this proposal to provide engineering support to develop infrastructure improvements related to known flooding issues downstream of the West Hill Cemetery adjacent to Ridge Street and along West Franklin Street. Previously, Arcadis conducted a drainage study of the area and identified various improvements which could be implemented to reduce flooding within the basin. The findings were published in a technical memorandum (Ridge Street Drainage Study – Improvement Scenarios) was dated October 25, 2021. Subsequent to this effort, the City directed Arcadis to develop construction plans for drainage improvements in the West Hill Cemetery that would reduce discharges downstream of Emery Street. This scope of work is designed to assist the City with development of construction plans for:

- Phase II – Ridge Street By-Pass System
- Phase III – West Franklin Street System
- Greenwood Drive System

**Phase II – Ridge Street By-Pass System**

The Ridge Street By-Pass System consists of the construction of a new drainage system that will intercept the existing drainage system under Emery Street and convey stormwater runoff east along Emery Street and then turn south along Ridge Street ultimately discharging to an existing drainage channel at the end of Ridge Street. The purpose of this system is to reduce existing stormwater discharge rates to a series of drainage pipes on the properties including 600, 602, 612, and 614 Ridge Street. The improvements in the West Hill Cemetery were designed to facilitate construction of the proposed system and reduce the risks of increasing flooding downstream of Ridge Street.

**Phase III – West Franklin Street System**

The West Franklin Street System is designed to collect and convey stormwater runoff in the existing channel on the western portion of the property at 620 McFarland Drive. The system will then convey runoff along West Franklin Street, then south along Valley Drive before turning east between 705 and 707 Valley Drive and discharging to an existing channel. It is our understanding that the City is going to make improvements to the existing drainage system located on 705 Valley Drive. The drainage system will terminate at the existing outfall at 705 Valley Drive. At this location, a new headwall will be constructed for both the proposed system as well as the existing 54-inch pipe at 705 Valley Drive.

**Greenwood Drive System**

Not originally included in the overall improvements plan for Ridge Street and West Franklin Street, the Greenwood Drive System is a concept developed during the public outreach and information effort. The purpose of the system is to collect runoff from Greenwood Drive convey the runoff between the homes along Greenwood and tie into the existing drainage system located behind 612 and 614 Ridge Street. It is our understanding the intent is to reduce surface runoff 605 and 607 Greenwood Drive by piping the runoff from the street directly to the existing system behind 614 Ridge Street.

## **Construction Plans**

Construction plans for this project will be separated into three sets. The first being a set for the Ridge Street By-Pass System, the second set will consist of the West Franklin System, and the final set will be for the Greenwood Drive system. The following outlines our proposed approach for developing each set of plans and associated deliverables.

### **30% Plans**

Arcadis will prepare a design submittal at the 30-percent design stage and submit to the City of Dalton Public Works Department for review. The 30-percent design drawings and deliverables will include:

- **30% Submittal Construction Plan Sheets**
  - Title Sheet
  - Existing Conditions Plan
  - Demolition Plan
  - Site, Grading and Drainage Plan
  - Limited Construction Details

Additionally, Arcadis will provide a brief stormwater management memo outlining the hydrologic / hydraulic performance of the proposed improvements. Please note that Arcadis will utilize the same model developed previously for the Ridge Street Drainage Study. As such, this memo will focus on illustrating the differences between the existing and proposed conditions of the design / plan.

#### Deliverables:

- 30% Construction Plans (PDF Format)
- Stormwater Management Analysis memo (PDF Format)

#### Assumptions:

- No significant changes to the configuration of the conceptual design improvements outlined in the original report in the previous effort.
- ARCADIS will address one round of review comments for the 30-percent design.
- The City will provide one set of consolidated review comments for the 30% Design Plan submittal.
- The scale of plan drawings will be 1-inch equals 20-feet.
- This project will be exempt from water quality, channel protection, and detention requirements of the City's Land Development Ordinance.
- It is anticipated that the disturbed area of the project will be greater than 1 acre, as such, a NPDES Construction permit will be required for this project. Additionally, the City will need to issue a Land Disturbance Permit for the project under the Georgia Erosion & Sedimentation Act.
- Any additional surveying required for the project will be secured separately by the City.
- No geotechnical or environmental design services will be required for this project.
- GDOT standard details and specifications will be sufficient for the project for drainage elements.

### **60% Plans**

Arcadis will prepare a design submittal at the 60-percent design stage and submit to the city for review. The 60-percent design drawings and deliverables will include:

- **60% Submittal Construction Plan Sheets**
  - Title Sheet
  - General Notes
  - Existing Conditions Plan
  - Demolition Plan
  - Tree Protection Plan (if required)
  - Site, Grading and Drainage Plan

- Pipe Profiles
- Structural Plans
- Traffic Control Plan (if required)
- Erosion & Sedimentation Plans
- Erosion & Sedimentation Details
- Standard Details

Deliverables:

- 60% Construction Plans (PDF Format and 1 hardcopy)
- Stormwater Management Analysis memo (PDF Format) – If changed from the previous submittal.

Assumptions:

- Structural engineering will be limited to the proposed headwall structure at 705 Valley Drive.
- Proposed headwall will consist of 3 walls with penetrations on two walls for the existing 54-inch corrugated metal pipe and the proposed
- ARCADIS will address one round of review comments for the 60-percent design.
- The City will provide one set of consolidated review comments for the 60% Design Plan submittal prior to the plan review meeting.
- The scale of plan drawings will be 1-inch equals 20-feet

90% Plans

Arcadis will prepare a design submittal at the 90-percent design stage and submit to the City for review. The 90-percent design drawings and deliverables will include:

- 90% Submittal Construction Plan Sheets
  - Title Sheet
  - General Notes
  - Existing Conditions Plan
  - Demolition Plan
  - Tree Protection Plan (if required)
  - Site, Grading and Drainage Plan
  - Pipe Profiles
  - Traffic Control Plan (if required)
  - Erosion & Sedimentation Plans
  - Erosion & Sedimentation Details
  - Standard Details

It is the intent of the 90% drawings to be sufficient for permitting. Following completion of the effort, Arcadis will provide a 90% set of construction plans marked "For Permitting" signed and sealed by a Georgia Registered Engineer with a Level II Design certification by the Georgia Soil and Water Conservation Commission.

Deliverables:

- 90% Construction Plans (PDF Format and 1 hardcopy)
- Stormwater Management Analysis memo (PDF Format) – If changed from the previous submittal.

Assumptions:

- ARCADIS will address one round of review comments for the 90-percent design.
- The County will provide one set of consolidated review comments for the 90% Design Plan submittal prior to the plan review meeting.

- Following completion of this task, the plans will be considered final and sealed / signed drawings will be provided.

### **Permitting Support**

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. 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. Based on our review of the site conditions, we do not anticipate any state or federal permitting for either phase.

### **Valley Drive Channel Stabilization Bid Support**

It is our understanding that the City wishes to implement a channel stabilization project adjacent to Valley Drive from West Franklin Street to Walnut Avenue. It is also our understanding that this project will bid as a design-build approach. Arcadis will assist the City with development of the bid documents for this effort primarily focused on development of the scope of work. Arcadis will also assist with requests for information during the bid period and review of submittals following bid opening.

#### Assumptions:

- No design or surveying services will be included in this effort.
- Work will be limited to the RFP development and bid support.
- Arcadis has assumed that the effort will be limited to approximately 88 hours maximum between the Project Manager and Civil Design Manager.
- All work will be accomplished as needed / directed by the City Public Works Director.

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Task Order Number: 004B

### 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 2022 rate table below.

### 2022 Rate Schedule

Title	Rate \$/hr
Project Administrative Assistant	\$70
Project Assistant	\$90
Sr Project Assistant	\$120
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	\$215
Principal Engineer/Scientist/Architect II	\$230
Principal Engineer/Scientist/Architect III	\$245
Principal Engineer/Scientist/Architect IV	\$270
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

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**Attachment 3**  
**Special Conditions**

None.