

December 13, 2005

City of Gainesville
Public Works Department
306 N.E. 6th Avenue (Thomas Center)
P.O. Box 490, Station 58
Gainesville, Florida 32602-0490

Attn: Ms. Alice Rankeillor, P.E.

RE: Professional Water Resource Engineering Services Agreement
Task No. 4: Rosewood Branch Trash Trap
JMT Job No. F03541.04

Dear Ms. Rankeillor:

We are pleased to submit herein our proposal for providing professional engineering services for the Rosewood Branch Trash Trap. We propose to use Johnson, Mirmiran & Thompson (JMT) for the design, permitting and development of Contract Documents for all roadway, drainage, structural and stormwater-related tasks. We propose to use our subconsultants for the following services:

- **Applied Technology and Management, Inc. (ATM), a qualified local SBE with the City of Gainesville**, will provide environmental support services, including wetland delineation and assessment, tree survey, and assistance with landscaping plans and environmental permitting.
- **Nodarse & Associates, Inc. (Nodarse), a qualified DBE with the Florida Department of Transportation**, will provide geotechnical exploration, testing and engineering services.
- **Lochrane Engineering, Inc. (Lochrane)** will provide survey and subsurface utility engineering (SUE) services, including utility designation and location.

Attached are the Scope of Services, Man-hour/Fee Derivation and Tabulation of Subcontractors and Material Suppliers for this assignment. As shown herein, we propose to provide these services for the upset amount of \$39,975.85.

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Thank you for using the services of JMT. If you should have any questions or require additional information, please do not hesitate to contact me at (407) 562-4952 or ageorge@jmt.com.

Sincerely,

JOHNSON, MIRMIRAN & THOMPSON

J. Alexander George, P.E.
Project Manager

Enclosures

cc: Mr. Jon Miller
Mr. Jack Callahan
Mr. Dino Lucarelli
Mr. Rick Smulovitz
File

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Rosewood Branch Trash Trap.doc

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Project Description

The City of Gainesville proposes to construct a trash trap in Rosewood Branch south of SE 9th Street to collect floatable trash and debris conveyed downstream towards the confluence with Sweetwater Branch. The project will also include a maintenance access area to remove debris from the Trash Trap, and a small stormwater management area to provide water quality treatment for the contributing drainage area.

Scope of Services**A. Survey**

Our subconsultant, Lochrane Engineering (Lochrane), will provide all surveying services for this project. Lochrane's scope of services and price proposal is attached herewith for your review and approval.

B. Geotechnical Exploration and Testing

Our subconsultant, Nodarse & Associates (Nodarse), will provide all geotechnical exploration, testing and engineering services for this contract. Nodarse's scope of services and price proposal is attached herewith for your review and approval.

C. Roadway Design

JMT will provide a paved access to the Trash Trap for routine maintenance and cleanout. The paved access will tie into SE 9th Street. No modifications to the existing roadway are anticipated.

D. Drainage, Stormwater Management and Hydraulic Design

JMT will provide drainage and stormwater management for the paved maintenance access in accordance with City and SJRWMD criteria. One (1) facility will be provided. The facility will maximize the pollutant load reduction and water quality for as much of the contributing drainage area as possible. JMT will prepare a Drainage Documentation Report in accordance with City and SJRWMD criteria, and provide a Pond Detail sheet in the Contract Documents.

No hydraulic analysis of Rosewood Branch is included in this proposal. The design discharges, water surface elevations, depth and velocity of flow for Rosewood Branch will be taken from the "Sweetwater Branch Watershed Management Plan" prepared by Jones, Edmunds & Associates in June 2004. It is anticipated that the changes to the stream channel section due to the diversion weir and floating skimmer will not affect the hydraulic characteristics of Rosewood Branch within the project limits.

E. Structural Design

JMT will provide structural design, notes and details for the Trash Trap. This proposal assumes that there is adequate right-of-way to construct the Trash Trap using gravity

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retaining walls (with a maximum exposed face height of 5') found in FDOT Standard Index 520. If available right-of-way or topography require a retaining wall height greater than that allowed in Standard Index 520, then a designed retaining wall will be required. Design of a retaining wall for the Trash Trap is not included in this proposal.

F. Erosion and Sediment Control

1. It is anticipated that this project may involve greater than 1 acre of disturbed area. Therefore, a SWPPP will be required. JMT will prepare a Storm Water Pollution Prevention Plan (SWPPP) narrative for the project.
2. JMT will prepare an Erosion Control plan for construction of the maintenance access and stormwater management facility.
3. In order to keep turbidity in Rosewood Branch below specified levels during construction, JMT will prepare a Stream Diversion Plan for temporary stream flow during in-stream construction activities, including all applicable notes and details. The design will be in accordance with the FDOT Drainage Manual and Temporary Drainage Design Handbook. It is anticipated that a two-phase Stream Diversion Plan will be required. Phase One will include isolation of the work area along the stream bank to construct the Trash Trap structure, and Phase Two will include use of downstream controls to construct the diversion weir and floating barrier.

G. Utility Coordination

1. JMT will coordinate with the City, Gainesville Regional Utilities (GRU) and other utility owners located within the project area throughout the design process to ensure that utility conflicts are minimized. It is not anticipated that the improvements along SE 9th Street will cause any adverse impacts to existing utilities.
2. It is assumed that GRU will provide utility record plans (if available) for all GRU utilities within the project site. Other utility owners will be contacted in coordination with GRU during the design process.
3. Our subconsultant, Lochrane, will provide utility designation and location services for this project. Lochrane's scope of services and price proposal is attached herewith for your review and approval.

I. Environmental Services/Permits

JMT, with assistance from our subconsultant, Applied Technology and Management, Inc. (ATM), will coordinate with the City and SJRWMD to procure the necessary permits for this project. The following permits are anticipated:

1. Standard ERP - It is anticipated that this project will impact less than 1 acre of wetlands and waters, and will therefore qualify for a Standard Environmental

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Resource Permit (ERP) from SJRWMD. Based on the preliminary site review, all project impacts will be to surface waters, so no wetland mitigation will be required. JMT will prepare a Standard ERP and supporting documentation for submittal to SJRWMD.

2. Stormwater Permit – a Stormwater Permit will be required if the new impervious area for the maintenance access exceeds 4000 SF. JMT will prepare the Stormwater Permit (if required) and supporting documentation for submittal to SJRWMD. If the new impervious area totals less than 4000 SF, then the project will be exempt from stormwater permitting. In this case, the stormwater management facility will be included in the Contract Documents, but no permit application will be prepared.
3. Our subconsultant, ATM, will provide services for wetland delineation and assessment. ATM's scope of services and price proposal is attached herewith for your review and approval.
4. Our subconsultant, ATM, will provide tree survey and landscaping services. ATM will identify champion or heritage trees within the project area. If necessary, landscaping plans for tree mitigation will be prepared and included in the Contract Documents. Coordination with the City arborist will be required to determine tree mitigation requirements. ATM's scope of services and price proposal is attached herewith for your review and approval.

J. Traffic Control

As the project will not affect SE 9th Street, it is not anticipated that a Traffic Control Plan will be necessary for the project. If required, Traffic Control Notes will be included in the Contract Documents.

K. Specifications and Cost Estimate

1. JMT will prepare the specifications package for the Final Plans submittal. It is anticipated that Technical Special Provisions will be required for the pay items. The specifications package will be based on the 2004 FDOT Standard Specifications for Road and Bridge Construction.
2. A detailed cost estimate will be included with each plan submittal.

L. Meetings and Field Reviews

It is anticipated that JMT will perform two (2) field investigations, attend two (2) meetings with the City and attend one (1) pre-application meeting with SJRWMD.

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Project Deliverables

The following project deliverables will be submitted to the City during the life of the project:

A. Plans

1. Preliminary (30%) Plan
2. Final (90%) Plans
3. Advertisement (100%) Plans

The Preliminary Plan will include right-of-way information, existing topography, utility designations and conceptual proposed improvements in plan view.

The Final and Advertisement Plans will incorporate the following components (in AutoCAD format):

- Key Sheet
- General Notes/Summary of Pay Items
- Drainage Map
- Site Grading and Drainage Plan (includes Typical Section for maintenance access)
- Pond Detail Sheet
- Structure Details (for Trash Trap)
- SWPPP
- Erosion Control Plans

B. Specifications (at Final Plans submittal)

C. Cost estimates (at all submittal phases)

D. Drainage Documentation Report

E. Completed permit applications

F. Electronic files (in .dwg and .doc formats) of all Contract Documents

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Project Schedule

It is anticipated that the total project duration will be 24 weeks from Notice to Proceed (NTP). A time frame of 2 weeks has been used for all City review and comment periods.

<u>Project Milestones</u>	<u>Weeks from NTP</u>
NTP	0 weeks
Wetland Delineation/ Tree Survey	2 weeks
Design Survey	2 weeks
Prepare Preliminary Plan	4 weeks
City Review	2 weeks
Prepare Final Plans, Drainage Documentation Report and Specifications	8 weeks
City Review	2 weeks
Prepare Advertisement Plans and Specifications	4 weeks