SUBJECT: **RFQ FOR DESIGN-BUILD SVCS FOR HORIZONTAL/CIVIL ENGINEERING PROJECTS**

BID # **CDB-0006-16** OPEN DATE: **10/21/2015**

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: **DEPARTMENT OF PUBLIC WORKS**

BASIS OF AWARD: **QUALIFICATIONS BASED**

NUMBER OF BIDS INVITED: - NUMBER RECEIVED: - OTHER: -

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:
The Department of Public Works has completed negotiations with J.B. Coxwell Contracting, Inc., for the Mandarin Gran Crique project in accordance with subject bid.

Recommend approval of award to J. B. Coxwell Contracting, Inc., for 100% design, permitting, post design and construction related services for ditch realignment and gabion wall installation behind Gran Crique South in Mandarin. The Guaranteed Maximum Price in the amount of $178,568.30, which includes $10,000.00 in contingency per attached Scope & Fee Summary "Exhibit P-1" and allowing for the completion of work within 150 days from notice to proceed.

Funding for this project to be executed by Amendment 14A for contract # 6533-54 and encumbered by account: PWCP31LSD538-06505-PW0297-01

Attachments: Recommendation Memo, Exhibit "P-1", Previous Award(s)

BUYER Marilyn Laidler
MARILYN LAIDLER

RESPECTFULLY SUBMITTED
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: **William J. Joyce, P.E., Director of Operations, Public Works Department**

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING_____ MEMBERS DISAPPROVING_____ DATE:_____

_____ _____ OTHER_____

_____ _____

_____ _____

_____ _____

_____ _____

ACTION OF AWARDING AUTHORITY DATE _____

APPROVED_____ DISAPPROVED: _____

OTHER: _____

SIGNATURE OF AUTHENTICATION _____

City of Jacksonville, Florida

Lenny Curry, Mayor

Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, FL 32202
(904) 255-8762
www.coj.net

ONE CITY. ONE JACKSONVILLE.

May 24, 2018

TO: Gregory W. Pease
Chief of Procurement

THRU: John P. Pappas, P.E.
Director

FROM: William J. Joyce, PE
Director of Operations

SUBJECT: CDB-0006-16 – Design-Build Services - Horizontal & Civil Engineering – Mandarin Gran Crique AMENDMENT 14A

Based on the design criteria package, the Department of Public Works, in accordance with Design/Build CDB-0006-16, Contract 6533-54, has completed negotiations with J. B. Coxwell Contracting, Inc., for 100% design, permitting, post design and construction related services for a ditch realignment and gabion wall installation behind Gran Crique Court South in Mandarin. Negotiations have resulted in the GMP amount of $178,568.30, which includes $10,000 in contingency as indicated on the attached Scope & Fee Summary, Exhibit P-1 and allowing for the completion of the work for within 150 days from notice to proceed.

Accordingly, this is to recommend that Contract No #6533-54, originally executed May 2, 2016, between the City and J. B. Coxwell Contracting, Inc. for Design-Build Services- Horizontal & Civil Engineering, be amended to incorporate the attached Scope and Fee Summary, Exhibit P-1 for Mandarin Gran Crique for the GMP amount of $178,568.30, known as Amendment 14A.

To be encumbered as follows:

PWCP31LSD538-06505-PW0297-01	$178,568.30
TOTAL	$178,568.30

WJJ/lw

Attachment: Exhibit P-1

ab

EXHIBIT P-1

J.B. Coxwell Contracting, Inc.
6741 Lloyd Road West
Jacksonville, Florida 32254
Office (904) 786-1120 Fax (904) 783-2970

June 27, 2018

Duane Kent, P.E.
City of Jacksonville Department of Public Works
Engineering & Construction Management Division
214 N. Hogan Street, 10th Floor
Jacksonville, Florida 32202

Re: Scope of Services & Fee Proposal for Gran Crique Court South Ditch Modifications
100% Design, Permitting and Construction Services
Design-Build Construction Delivery for City of Jacksonville-RFQ CDB-0006-16
City Contract No. 6533-54

Dear Mr. Kent:

J.B. Coxwell Contracting, Inc. (JBCCI) is pleased to submit for your review and consideration the following design-build scope of services and attached lump sum Guaranteed Maximum Price (GMP) fee proposal for 100% design, permitting and construction of the above referenced project. This proposal is based on the COJ's preliminary Design Criteria Package (that contained a location map and 60% plans) received via email on June 1, 2018.

The scope of the work is generally described as providing for 100% design, permitting, post design, and construction related services for a ditch realignment and gabion wall installation behind Gran Crique Court South in Mandarin. The proposed project is located within an existing drainage easement at the back of the properties located at 11810 and 11840 Gran Crique Court South. Additional details are outlined in the afore mentioned Design Criteria Package.

As detailed on the attached documentation, the proposed total lump sum GMP amount for the 100% design, permitting and construction is One Hundred Seventy-Eight Thousand Five Hundred Sixty-Eight Dollars and Thirty Cents ($178,568.30) which includes a project contingency of $10,000.00. The project contingency is for project elements which have not been fully designed and permitted, and which may increase in quantity or cost during the final design phase or during construction. The project contingency is for the Design-Builder's benefit and not for changed field conditions, unknown field conditions or added scope of work. The design and permitting phase will be completed in ninety days (90), whereas the construction will be completed within sixty days (60), or a total of one hundred fifty days (150) from notice-to-proceed.

This lump sum GMP amount is inclusive of only those services noted on the attached proposals and which are anticipated at this time. No services or work other than those noted in the proposals are included. In addition, any unknown condition(s) which may surface during design and construction or any other increase in scope of services may result in a request for additional services. No work will proceed however, without first obtaining approval from the City for any additional services.

Duane, our team has staff immediately available to begin this work upon your notice-to-proceed. We are again very appreciative of the opportunity to provide you with our design-build services. Should you have any questions or need any further information, please do not hesitate to contact us. We are also available to review and discuss this proposal with you and/or others at your convenience.

Regards,

J.B. Coxwell Contracting, Inc.

Jayson Smith

Jayson Smith,
Design Build Manager

Cc: Chris Blank, Vice President of Operations
J.B. Coxwell Contracting, Inc.

Eddie Greene, Vice President of Operations
J.B. Coxwell Contracting, Inc.

Nicholas E. Mousa, AICP, Director -Florida Market Initiatives
GAI Consultants, Inc.

Kevin Leadbetter, P.E., Vice President
GAI Consultants, Inc.

Exhibit A
JBCCI Contract Fee Summary For
100% Design Build for Gran Crique Court S. Ditch Modifications

PART I - GENERAL

1. Project Design-Build Construction Delivery for City of Jacksonville - 100% Design Build for Gran Crique Court S. Ditch Modifications	**2. City Contract Number** 6533-54
3. Name of Design-Builder J.B. Coxwell Contracting, Inc.	**4. Date of Proposal** 6/27/2018

PART II - LABOR RELATED COSTS

5. DIRECT LABOR **Pre-Construction Services**	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Project Director	$ 105.00	0	$ 0.00	
Project Manager	$ 57.50	0	$ 0.00	
Project Estimator	$ 52.00	0	0.00	
Project Administrator	$ 30.00	0	$ 0.00	
			TOTAL DIRECT LABOR	$ -
6. OVERHEAD (Combined Fringe Benefits & Administrative) Overhead Rate 54.46%				$ -
7. TOTAL LUMP SUM LABOR FEE : Labor + Overhead (Items 5 & 6)				$ -

PART III - OTHER COSTS

8. MISCELLANEOUS DIRECT COSTS Reproductions, Courier Service, Postage, Express Delivery, and other Misc. Direct Costs	$ 400.00
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	**$ 400.00**
9. COST OF THE WORK	
JBCCI Construction Estimate (100%)	$ 109,043.18
GAI Consultants, Inc. 100% Design & Permitting Fees	$ 51,284.36
COST OF THE WORK SUB-TOTAL	**$ 160,327.54**
10. SUBTOTAL - DESIGN & CONSTRUCTION FEES	**$ 160,727.54**
11. BONDING (1%)	**$ 1,607.28**
12. Design-Builder's Fee (10%)	**$ 16,233.48**

PART IV - FEE SUMMARY

TOTAL - LUMP SUM FEE	**$ 178,568.30**

EXHIBIT P-1

06/27/2018
JBCCI Est.18085

COJ Design-Build for Gran Crique Court South Ditch Modifications

ESTIMATE TOTALS

Biditem	Description	Quantity	Units	Unit Price	Bid Total
1	Design & Permitting	1.000	LS	51,284.36	51,284.36
2	General Conditions for Construction	1.000	LS	18,567.98	18,567.98
5	As-Built Drawings (Signed & Sealed)	1.000	LS	2,584.56	2,584.56
10	Erosion Control	1.000	LS	3,180.41	3,180.41
20	Site Prep - Demo Exist. Wall & Temp Site Work	1.000	LS	6,298.86	6,298.86
30	Re-Shape Ditch Per Plan & Install Gabion Wall	1.000	LS	57,591.85	57,591.85
50	Sod Ditch Slopes	1.000	LS	7,087.50	7,087.50
60	Seed & Mulch Disturbed Areas	1.000	LS	472.50	472.50
90	Final Clean-Up	1.000	LS	3,259.37	3,259.37
100	JBCCI Design Build Contingency Fee	1.000	LS	10,000.00	10,000.00
110	JBCCI Design Build Fee (10%)	1.000	LS	16,018.00	16,018.00
			Bid Total	⟹	$176,345.39

Clarifications & Exclusions;

1) Estimate does not include any fees associated with tree mitigation (tree removal, planting, or mitigation fees), or wetland mitigation.
2) Estimate does not include any new utility work other than the minor storm drainage work and JEA water main work shown in the plans.
3) One mobilization is included, assumes the COJ will award all work at one time.
4) Estimate assumes COJ will provide all temporary or permanent easements, and construction access agreements.
5) Estimate assumes COJ will provide all existing survey information, CAD files, and provide a benchmark for the project.
6) Estimate assumes all work to be performed in accordance with the COJ specifications.
7) Estimate does not include any work associated with any relocation or new irrigation/ landscaping services (other than grassing impacted areas).
8) Existing private and public utility locates, identification, protection, isolation, and relocation by others (including but not limited to electric, water, sewer, cable, telephone, misc. communications, traffic signal, street lighting, gas, fiber optic
9) Contingency fee included for construction and design aspects not known at the time of the proposal preparation.
10) This estimate excludes unknown subsurface debris removal/ disposal.
11) This estimate excludes unsuitable soil removal/ replacement, as we do not anticipate this scope to be required on the project.
12) This estimate excludes any work associated with the discovery or handling of hazardous or non-hazardous waste that may be encountered while constructing the drainage improvements on this project.
13) All public notices and informational meetings to be handled by the COJ.
14) Bonding fees are not included in this estimate, they will be added at 1% of the total contract value if required.

EXHIBIT P-1

GRAN CRIQUE PROJECT LOCATION MAP

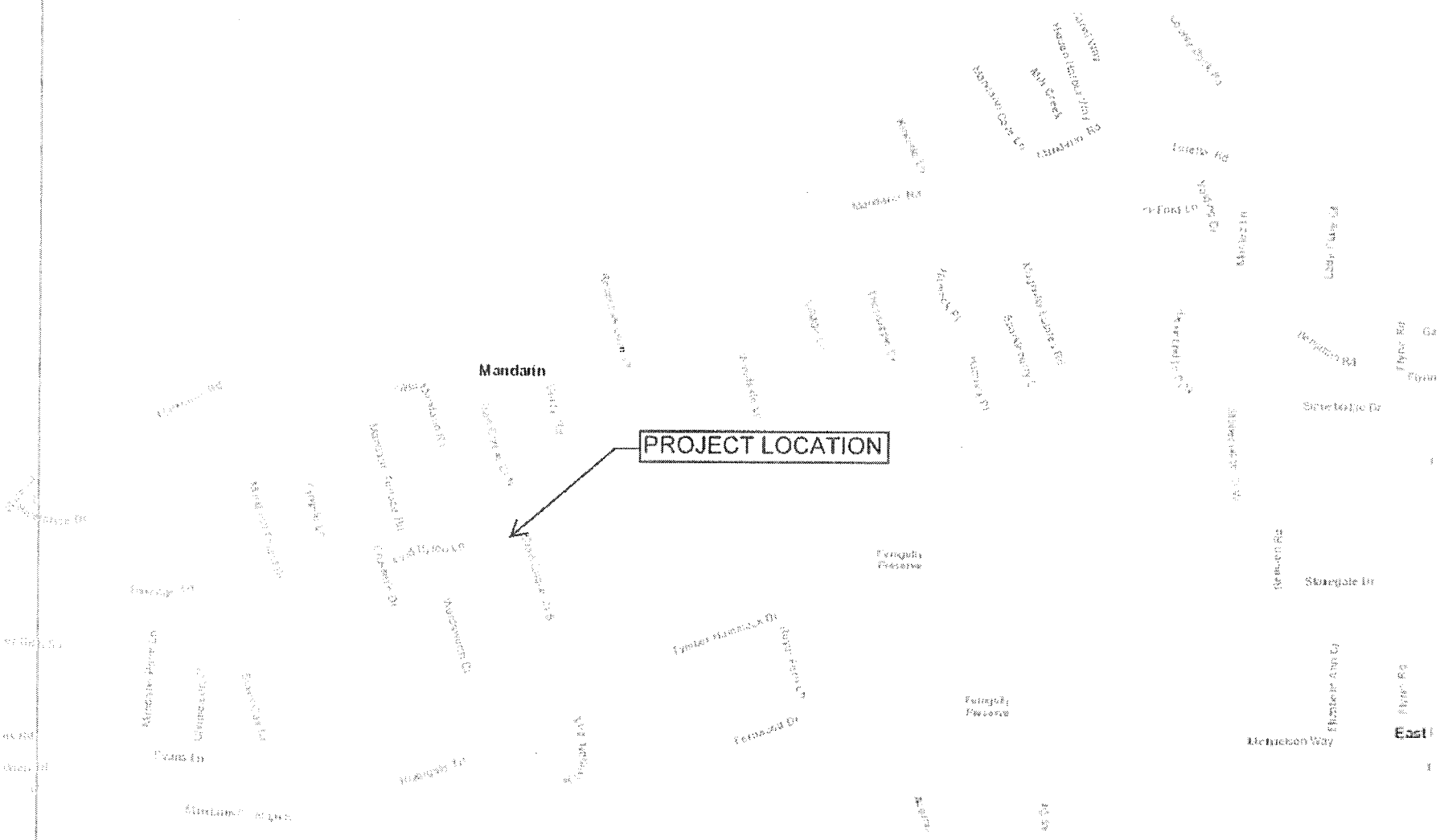


EXHIBIT P-1

gai consultants
transforming ideas into reality.

June 22, 2018

Jayson Smith
Design-Build Manager
J.B. Coxwell Contracting, Inc.
6741 Lloyd Road West
Jacksonville, Florida 32254

Re: Fee Proposal for 100% Design, Permit, and Post-Design Services of Gran Crique Drainage Improvements - Design-Build Construction Delivery for the City of Jacksonville RFQ CDB-0006-16/City Contract No. 6533-54

Dear Mr. Smith:

In accordance with the terms and conditions of our master agreement for professional services dated 06-07-16, **GAI Consultants, Inc., (GAI)**, is providing you with this proposal for the above referenced project.

Project Understanding and Scope of Services

GAI is in receipt of Design Criteria Package including a location map and 60% plans for the proposed Gran Crique Drainage Improvements. These documents were provided to us, through you, by Duane Kent, P.E. with the City of Jacksonville via e-mail on June 1, 2018.

The scope of the work is generally described as providing for 100% design, permitting, post design, and related services for a ditch realignment and gabion wall installation behind Gran Crique Court in Mandarin. Additional details are outlined in the afore mentioned Design Criteria Package.

Accordingly, GAI proposes to provide for 100% Design, Permitting, and Post Design Services necessary to accomplish the proposed drainage improvements based on the following assumptions:

- The Fee is based on the 60% Plans provided by the City, referenced above.
- The City will provide GAI with the CAD and Survey Files used to produce the Concept Plans.
- GAI will be assuming ownership of the design plans from this point forward.
- GAI will perform additional survey to verify the accuracy of the information provided by the City, and to obtain additional survey needs in a few key areas.
- Tree Surveying/Assessment of Tree Health for Mitigation Purposes/Tree Mitigation/Landscape Plans are included, however any fees that may be due to the tree fund are **not** included. Any mitigation, if required, will attempt to be provided on-site.
- The storm sewer design assumption is that the existing storm system downstream is in good condition and capable of serving the proposed improvements. If required, GAI can provide an additional fee to perform drainage analysis outside of the project limits.
- The scope of work and fee anticipates COJ 10-set permitting, SJRWMD General Permitting, and ACOE Nationwide Permitting. Any wetland mitigation fees required are **not** included.

Finally, GAI's scope of work will entail managing the project during the design phase, attending project design review meetings, providing quality assurance and quality control during and at the completion of the design phase, documenting meeting results and directives as issued by the City, schedule evaluations, and budgetary controls.

Items not included in this scope of services:

1. Tree Mitigation Fees, if required
2. Irrigation services (Irrigation not anticipated due to project location. Gator Bags to be used to stabilize material).

gai consultants
transforming ideas into reality.

3. Lighting design
4. Wetland Mitigation Fees, if required.
5. Any other design services not specifically itemized herein.

If you have any questions, please do not hesitate to give us a call.

Regards,

GAI CONSULTANTS, INC.

Kevin R. Leadbetter, P.E.
Vice President

Attachments: GAI Fee Summary
ESI Fee Proposal dated June 12, 2018
MAE Fee Proposal dated June 13, 2018
Janet Whitmill Proposal dated June 22, 2018

Exhibit A - Page 1 of 1
CONTRACT FEE SUMMARY FOR
Gran Crique Drainage 100% Design Services (Lump Sum)

PART I - GENERAL	
1. Project - D/B Construction Delivery for COJ 100% Gran Crique	**2. Project Number** CDB-0006-16
3. Name of Consultant GAI Consultants, Inc.	**4. Date of Proposal** 6/22/2018

PART II - LABOR RELATED COSTS				
5. DIRECT LABOR	Hourly Rate	Estimated Hours	Estimated Cost	TOTAL
Principal	$ 104.30	1	$ 104.30	
Project Manager (Responsible Prof.)	$ 84.59	12	$ 1,015.08	
Senior Project Engineer	$ 64.49	20	$ 1,289.80	
Project Engineer	$ 49.14	38	$ 1,867.32	
Engineer Intern	$ 34.38	29	$ 997.02	
Senior Designer	$ 37.95	5	$ 189.75	
Designer/Sr. CADD Technician	$ 28.43	15	$ 426.45	
CADD Technician	$ 25.14	10	$ 251.40	
Clerical	$ 19.91	2	$ 39.82	
Survey Manager (PSM)	$ 58.62	3	$ 175.86	
Three Man Survey Crew	$ 79.04	12	$ 948.48	
			TOTAL DIRECT LABOR	**$ 7,305.28**
6. OVERHEAD (Combined Fringe Benefits & Administrative) Overhead Rate 173.58%				$12,680.51
7. SUBTOTAL: Labor + Overhead (Items 5 & 6)				**$19,985.79**
8. PROFIT: Labor Related Costs (Item 7)			x 10%	$ 1,998.58
			SUB-TOTAL SALARY RELATED COSTS	**$21,984.36**

PART III - OTHER COSTS	
9. MISCELLANEOUS DIRECT COSTS (Lump Sum)	
Misc. Direct Expenses (Lump Sum)	$ 1,200.00
SJRWMD Permit	$ 1,200.00
MISCELLANEOUS DIRECT COSTS SUB-TOTAL	**$ 2,400.00**
10. SUBCONTRACTS (Lump Sum)	
Environmental Services Inc.	$14,600.00
Janet Whitmill (LA Services)	$ 6,200.00
MAE	$ 6,100.00
SUB-CONTRACT SUB-TOTAL	**$26,900.00**

PART IV - SUMMARY	
TOTAL LUMP SUM AMOUNT (Items 5, 6, 8, 9 and 10)	**$51,284.36**

EXHIBIT P-1

ENVIRONMENTAL SERVICES, INC.
7220 Financial Way, Suite 100
Jacksonville, FL 32256

Phone 904-470-2200 * Fax 904-470-2112

www.environmentalservicesinc.com

12 June 2018

Mr. Bob Baxter
Gai Consultants, Inc.
1301 Riverplace Boulevard, Suite 900
Jacksonville, Florida 32207

RE: Gran Crique Ditch Redevelopment (EJ18223.00)
Duval County, Florida

Dear Mr. Baxter:

Thank you for contacting Environmental Services, Inc. (ESI). Pursuant to our recent conversation, ESI is pleased to enclose the attached proposal. Please note under our Terms section at the end of the proposal that, as the client, you assure ESI that we have permission to work on the property being evaluated and that you will advise us regarding the proper procedures for accessing the property.

If the attached meets your requirements, please approve by signing and returning the enclosed document to us by mail to the address above, by fax (904-470-2112) or via email (ghowalt@esinc.cc). We are prepared to proceed upon receipt of the signed contract. We look forward to working with you.

Please contact me should you have any questions. Thank you for selecting ESI to assist with your environmental consulting needs.

Sincerely yours,

ENVIRONMENTAL SERVICES, INC.

Gary K. Howalt

Gary K. Howalt
Principal

GKH/smc/EJ18223 proposal doc
S pf061218f

ENVIRONMENTAL SERVICES, INC.

PROPOSAL FOR SERVICES
ESI PROJECT NO. EJ18223.00

The following Contract for Services is an agreement between Environmental Services, Inc. (ESI) and GAI Consultants, Inc. (Client) with the terms specified herein. Client agrees that the company/individual signing this agreement has the ability to compensate ESI for the work described herein whether or not the proposed project materializes. ESI agrees to perform the following tasks for the associated fee.

Project Name: **Gran Crique Ditch Redevelopment**
Project Location: **Duval County, Florida**

SCOPE OF SERVICES		FEE
Task 1.	**St. Johns River Water Management District (SJRWMD) Pre-application Meeting** ESI will participate in one pre-application meeting at the SJRWMD office to discuss preliminary project design and potential wetland impacts.	$800.00
Task 2.	**U.S. Army Corps of Engineers (ACOE) Pre-application Meeting** ESI will participate in one pre-application meeting at the ACOE office to discuss preliminary project design and potential wetland impacts.	$800.00
Task 3.	**SJRWMD General Environmental Resource Permit** ESI will assist your consulting engineer in preparation and submittal of a General Environmental Resource Permit application. *This permit will require approximately 60 to 120 days from the date of application submittal to obtain. The permit will require approval from the St. Johns River Water Management District staff.* **This cost does not include the permit application fee payable to St. Johns River Water Management District.*	$3,000.00
Task 4.	**ACOE Nationwide Permit** ESI will prepare a pre-construction notification package in accordance with ACOE Nationwide Permit Number 13 requirements, including site plans, a Nationwide Permit Checklist, and supporting documentation.	$3,000.00

It is likely that the project impacts will be authorized by ACOE under the Nationwide Permit. These permits are usually issued within 45 to 60 days.

Task 5. Requests for Additional Information (RAI) — $3,000.00 estimate (not to exceed)

ESI will prepare responses to one RAI from each permitting agency.

In most cases, the representatives from ACOE and SJRWMD ask for additional information related to the project which is not typically included in the permit application. The content and detail of these requests are difficult to predict at this time as this is dependent upon the level of scrutiny that the agency personnel and others offering comments feel is appropriate for the project. Typically, SJRWMD issues one RAI with questions related to both environmental and stormwater engineering issues. ACOE RAIs typically consist of providing technical responses to comments from U.S. Fish and Wildlife Service (FWS), National Marine Fisheries Service (NMFS), U.S. Environmental Protection Agency (EPA) or others.

Task 6. Project Coordination and Meetings — $4,000.00 estimate (not to exceed)

ESI will coordinate with the project team, participate in project progress meetings and meetings with regulatory agency staff as requested.

Additional services not specifically addressed herein will be invoiced on a time and materials basis at standard ESI hourly rates. We will provide you with a written proposal for these tasks if, or when, they become necessary. We are prepared to proceed upon receipt of the signed contract.

ESI is committed to providing quality service to our clients. Every project is reviewed by a senior technical manager to ensure that the work has been performed in compliance with our goal of providing superior service and solutions to our clients.

EXHIBIT P-1

ENVIRONMENTAL SERVICES, INC.

Project Name: **Gran Crique Ditch Redevelopment (EJ18223.00)**
Project Location: **Duval County, Florida**

Task 1:	SJRWMD Pre-application Meeting	Fee:	$800.00
Task 2:	ACOE Pre-application Meeting	Fee:	$800.00
Task 3:	SJRWMD General Environmental Resource Permit	Fee:	$3,000.00
Task 4:	ACOE Nationwide Permit	Fee:	$3,000.00
Task 5:	Requests for Additional Information	Fee:	$3,000.00 est. NTE
Task 6:	Project Coordination and Meetings	Fee:	$4,000.00 est. NTE

TERMS:

- ESI will complete the work described above in a timely manner unless delayed by Client's request, lack of information, or intervening factors beyond our control.
- Client assures ESI that it has permission to work on the subject property and will advise ESI of proper procedures for accessing subject property.
- **ESI will maintain a minimum $1,000,000 errors and omissions (professional liability) insurance; $1,000,000 per occurrence and $2,000,000 aggregate general liability insurance for the duration of the project. If any additional insurance requirements are necessary, please return the specifications with the signed proposal. They will become a part of this contract as agreed by both parties.**
- Outside services and expenses such as subcontractors and special purchases will be invoiced with a handling fee of 15 percent.
- **A retainer of $0.00 is required; the retainer will be subtracted from the <u>last</u> invoice and is required by ESI to initiate work.**
- Client will provide ESI with any special billing formats or considerations with the signed contract.
- Billing is done monthly. **<u>Payment is due immediately upon receipt of the invoice</u>**; after 30 days the Client agrees to pay 1.5 percent late fee per month or portion thereof on unpaid balances. Unpaid balances after 60 days from the date of the invoice may result in work stoppage until overdue accounts are resolved.
- Failure to pay within 60 days from the date of invoice will be considered by ESI to be a breach of contract, and ESI may cease work and withhold all work product immediately without penalty from the Client.
- Client agrees that this contract is an agreement between Client and ESI. Payment is due from Client at the time services are performed. Payment shall not be contingent upon regulatory action or upon resolution of any legal matter that ESI is not a party to. If ESI is being contracted to complete work which Client will use in a legal dispute, Client agrees to pay ESI in a timely manner without regard to the current standing of that legal dispute. ESI fees may not be incorporated into real estate closings without prior written consent from ESI.
- This agreement shall be governed by the laws of the State of Florida, United States. Any lawsuit, proceeding or action arising out of or relating to this agreement must be brought in any court of competent jurisdiction located within Duval County, Jacksonville, Florida. Each of the parties irrevocably submits and consents to the exclusive jurisdiction of such court in any such lawsuit, proceeding or action, and waives any defense or objection it may now or hereafter have to personal jurisdiction, venue, or inconvenient forum.
- ESI rates change on March 1 of each year.
- **This proposal is valid for a period of 60 days following the date of issuance.**

TERMS ACCEPTED:		**ENVIRONMENTAL SERVICES, INC.**	
SIGNATURE:	_____	SIGNATURE:	Gary K. Howalt
NAME:	_____	NAME:	Gary K. Howalt
FIRM:	_____	FIRM:	Environmental Services, Inc.
TITLE:	_____	TITLE:	Principal
DATE:	_____	DATE:	12 June 2018

GKH/smc/EJ18223 proposal doc
S pl061218f

EXHIBIT P-1

ENVIRONMENTAL SERVICES, INC.

ENVIRONMENTAL SERVICES, INC.
SCHEDULE OF LABOR AND EXPENSE RATES

POSITION	RATE
Technical	
Assistant Scientist	$43.00/Hour
Environmental Technician	$53.00/Hour
Project Scientist	$63.00/Hour
Senior Scientist	$78.00/Hour
Senior Geologist	$123.00/Hour
Project Archaeologist	$48.00/Hour
Senior Archaeologist	$63.00/Hour
Historic Resource Specialist	$83.00/Hour
Sustainability Specialist	$103.00/Hour
Project Forester	$93.00/Hour
Senior Forester	$108.00/Hour
Project Manager	$103.00/Hour
Senior Manager	$113.00/Hour
Forest Biometrician	$118.00/Hour
SR Forest Biometrician	$148.00/Hour
VP/Technical Director	$148.00/Hour
SR VP/Technical Director	$160.00/Hour
SR VP II/Technical Director	$180.00/Hour
Principal	$200.00/Hour
Administrative	
Receptionist	$38.00/Hour
Administrative Assistant	$53.00/Hour
Exec. Admin Assistant	$73.00/Hour
Graphics	
GIS/CAD Technician	$63.00/Hour
GIS/CAD Analyst	$83.00/Hour
GIS/CAD Manager	$108.00/Hour
GIS/CAD Senior Manager	$113.00/Hour

EXPENSE	CHARGE
Additional Services	
GIS/CAD Usage	$30.00/Hour
Global Positioning System	$50.00/Day
ATV Usage	$50.00/Day
Boat Usage	$100.00/Day
Local Courier Service	$13.00/Delivery
Outside Graphics	Cost + 15%
All Subcontracted Services	Cost + 15%
Travel	
Vehicle Mileage Rate	$0.545/Mile
Travel Expenses	Cost
Copies	
Photocopy Per Page	$0.15
Color Copy Per Page	$1.50 8 ½ x 11
	$2.50 8 ½ x 14
	$3.00 11 x 17
Full Size Copy Per Page	$2.00 24 x 36
	or 36 x 48 b/w
	$20.00 24 x 36
	or 36 x 48 color
Blueprints or Xerox Per Page	$2.50
Aerial Photography	$50 0 - 15 acres
	$100 16 - 50 acres
	$200 51 - 100 acres
	$300 101 - 999 acres
	$500 1000+ acres

ENVIRONMENTAL SERVICES, INC.

EXHIBIT P1

Environmental Services, Inc. (ESI) is an environmental consulting firm which has been in business for over 31 years. ESI provides services in a variety of disciplines, please keep us in mind for your future environmental, cultural and sustainable resource needs.

Cultural Resource Management

- Archaeology Surveys
- Historic Structure Surveys
- Underwater Archaeology
- Conservation Analysis
- Predictive Modeling
- Cemetery Studies/Conservation

Carbon & Greenhouse Gas (GHG)

- Greenhouse Gas (GHG) Emissions & Offsets
- ANSI Accreditation under
- ISO 14065
- GHG Offset Validations/ Verifications
- GHG Emissions Verifications
- Ecosystem Services
- Air, Water, Waste Footprint
- Analysis and Reduction
- Sustainable Action Planning
- Education/Outreach

Forestry

- Tree Ordinance & Compliance
- Arboricultural Assessments
- & Landscape Planning
- Land Management Planning
- Fire Management & Prescribed Burning
- Timber Assessment & Management

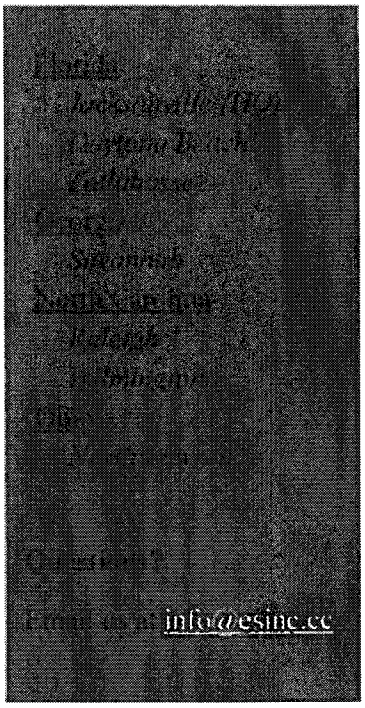
Ecology

- Due Diligence
- Permitting & Compliance
- Wetland Delineation/ Assessment
- Endangered & Threatened Species
- Mitigation
- Soil & Site Evaluation
- Aquatic & Marine Assessments
- Erosion & Sediment Control

Site Assessment & Remediation

- Phase I & II Environmental Site Assessments
- Soil & Groundwater
- Assessments
- Soil & Groundwater
- Remediation
- Petroleum/Hazardous Materials
- Storage Tank Management
- Brownsfields Assessments
- Industrial Hygiene
- HUD Environmental
- Assessments
- USGBC LEED Green Building

OFFICE LOCATIONS



Follow ESI on Social Media

EXHIBIT P-1

Meskel & Associates Engineering
Geotechnical • Environmental • Inspection • Testing

June 13, 2018

Mr. Robert E. Baxter, P.E.
GAI Consultants
1301 Riverplace Boulevard, Suite 900
Jacksonville, Florida 32207

Subject: Proposal for Geotechnical Exploration and Engineering Services
Gran Crique Court South – Ditch Redevelopment
Jacksonville, Florida
MAE Proposal No. 011518

Dear Mr. Baxter:

MESKEL & ASSOCIATES ENGINEERING, LLC (MAE) is pleased to present this proposal to provide the geotechnical exploration and engineering services for the subject project. This proposal was requested by you via electronic correspondence on June 6, 2018.

We were provided with pdf documents titled "Design Criteria Package for Gran Crique Ditch Redevelopment" - undated, "Appendix A Location Map" – undated, and a plan set titled "Gran Crique Court Ditch Redevelopment Mandarin Area Drainage" prepared by the City of Jacksonville and dated May 2018, which detailed the location of the proposed project and the planned construction. According to plans provided in the RFP, the proposed construction will include realignment of the existing ditch south of Gran Cirque Court South. The proposed ditch will have slopes supported by gabion walls and the new ditch will be about 250 feet long (station 11+75 to station 14+25).

The objective of the geotechnical exploration is to provide site and subsurface information to evaluate the subsurface conditions for the proposed construction. Based on the provided information, we propose the following scope of services:

Test Location	Test No. & Type	Test Depth (feet)
Ditch Realignment / Gabion Walls	2 Standard Penetration Test (SPT) Borings	15
	2 Bulk Samples (2 Corrosion Series)	0 to 2

The site appears to be easily accessible with our portable tripod-mounted drilling equipment. We will locate the borings using our hand-held GPS equipment. Therefore, it should be anticipated that the boring locations will be as near the proposed ditch realignment as possible. In accordance with Florida law, we will attempt to locate existing underground utilities at the site by utilizing the Sunshine State One-Call (SSOC) system. Any private utilities not included in the SSOC system will need to be located by the Owner.

Once the SPT borings are completed, they will be backfilled with native soil cuttings. We will take all reasonable precautions to prevent damage to property. The recovered soil samples will be described in the field by the field crew. The field logs and samples will be delivered to our laboratory, where the logs will be reviewed, and the samples will be classified, by a geotechnical engineer.

Laboratory classification and soil index property tests will be performed as necessary on selected soil samples to confirm the soil classification and provide engineering characteristics to estimate compressibility. Gradation curves will be provided to the gabion wall contractor.

A geotechnical engineer, licensed in the State of Florida, will direct the geotechnical exploration and provide an engineering evaluation of the subsurface conditions encountered at the boring locations. The results of the exploration and engineering evaluation will be documented in a report that will include the following:

- Our understanding of the planned construction and general description of the project;
- A boring location plan detailing the location of each boring and type of equipment used;
- Field exploration procedures and soil sampling methods used;

PROPOSAL AUTHORIZATION
For Geotechnical Services
Gran Crique Court South – Ditch Redevelopment
Jacksonville, Florida
MAE Proposal No. 011518

Billing Information:

Company Name: _____

Attention: _____
Company
Address: _____

Phone No.: _____ Email: _____

Project Contact Name:
(if different than above) _____

Additional Reports: Please List Below Any Additional Parties To Receive Reports.

1. _____

_____

No. of Reports Required:_____

2. _____

_____

No. of Reports Required:_____

NOTE: Our fee includes submittal of an electronic copy for each report. If bound paper copies are requested, the client will be charged $50 for each additional copy.

MAE invoices should be received by you by the _____ of each month (date required for your processing)

The Client representative named below has read the General Conditions that are attached and made a part of this proposal, and agrees to be bound to the terms of the General Conditions.

Name: _____ Title: _____

Signature: _____ Date: _____

PROPOSAL DOCUMENT GENERAL CONDITIONS

Payment – Payment shall be due within 30 days after date of invoice.

Insurance – Meskel & Associates Engineering (MAE) maintains Commercial General Liability with limits of $1,000,000 – per occurrence, $2,000,000 general aggregate, $2,000,000 products and completed operations aggregate. A certificate of insurance can be provided at your request evidencing such coverage. All subcontractors to MAE maintain Workers' Compensation, Employer's Liability with limits of $1,000,000 bodily injury by accident – each accident, $1,000,000 bodily injury by disease – each employee, $1,000,000 bodily injury by disease – policy limit. Workers Compensation coverage is in accordance with the Workers Compensation Law for the State of Florida.

Professional Liability: MAE maintains Professional Liability with limits of $2,000,000 each claim and $3,000,000 aggregate. A certificate of insurance can be provided at your request evidencing such coverage.

Right-of-Entry – Unless otherwise agreed, Client will furnish right-of-entry on the property for MAE to make the planned borings, surveys, and/or exploration. MAE will take reasonable precautions to minimize damage to the property caused by its equipment and sampling procedures, but the cost of restoration or damage which may result from the planned operations is not included in the contracted amount.

Legal Jurisdiction – The parties agree that any actions brought to enforce any provision of this Agreement shall only be brought in a court of competent jurisdiction located in Jacksonville, Duval County, Florida.

Damage to Existing Man-made Objects – It shall be the responsibility of the Owner or his duly authorized representative to disclose the presence and accurate location of all hidden or obscure man-made objects relative to field tests, sampling, or boring locations. When cautioned, advised or given data in writing that reveal the presence or potential presence of underground or overhead obstructions, such as utilities, MAE will give special instructions to its field personnel. As evidenced by your acceptance of this proposal, Client agrees to indemnify and save harmless MAE from all claims, suits, losses, personal injuries, death and property liability resulting from unusual subsurface conditions or damages to subsurface structures, owned by Client or third parties, occurring in the performance of the proposed work, whose presence and exact locations were not revealed to MAE in writing, and to reimburse MAE for expenses in connection with any such claims or suits, including reasonable attorney's fees.

Limitation of Responsibility – Client hereby agrees to the fullest extent permitted by law the Consultant's total liability to Client for any and all injuries, claims, losses, expenses or damages whatsoever arising out of or in any way relating to the project, the site, or this Agreement from any cause or causes including but not limited to the Consultant's negligence, errors, omissions, strict liability, breach of contract, or breach of warranty shall not exceed the greater of the total amount paid by the Client for the services of the Consultant under this contract or $50,000.00, whichever is greater.

Client and the Consultant agree that to the fullest extent permitted by law the Consultant shall not be liable to Client for any special, indirect or consequential damages whatsoever, whether caused by the Consultant's negligence, errors, omissions, strict liability, breach of contract, breach of warranty or other cause or causes whatsoever.

To the fullest extent permitted by law, Client agrees to defend, indemnify, and hold Consultant, its agents, subcontractors, and employees harmless from and against any and all claims, defense costs, including attorneys' fees, damages, and other liabilities arising out of or in any way related to Consultant's reports or recommendations concerning this Agreement, Consultant's presence on the project property, or the presence, release, or threatened release of asbestos, hazardous substances, or pollutants on or from the project property; **provided that** Client shall not indemnify Consultant against liability for damages to the extent caused by the negligence or intentional misconduct of Consultant, its agents, subcontractors, or employees.

Use of Documents – All documents, including but not limited to drawings, specifications, reports, and data or programs stored electronically, prepared by the Consultant are related exclusively to the services described in this Agreement, and may be used only if the Client has satisfied all of its obligations under this Agreement. They are not intended or represented to be suitable for use, partial use or reuse by the Client or others on extensions of this project or on any other project. Any modifications made by the Client to any of the Consultant's documents, or any use, partial use or reuse of the documents without written authorization or adaptation by the Consultant will be at the Client's sole risk and without liability to the Consultant, and the Client shall indemnify, defend and hold the Consultant harmless from all claims, damages, losses and expenses, including but not limited to attorneys' fees, resulting therefrom. The Consultant's electronic files and source code developed in the development of application code remain the property of the Consultant and shall be provided to the Client only if expressly provided for in this Agreement. Any electronic files not containing an electronic seal are provided only for the convenience of the Client, and use of them is at the Client's sole risk. In the case of any defects in the electronic files or any discrepancies between them and the hardcopy of the documents prepared by the Consultant, the hardcopy shall govern. Because data stored in electronic media format can deteriorate or be modified without the Consultant's authorization, the Client has 60 days to perform acceptance tests, after which it shall be deemed to have accepted the data.

PURSUANT TO FLORIDA STATUTES SECTION 558.0035 (2013) AN INDIVIDUAL EMPLOYEE OR AGENT OF MAE MAY NOT BE HELD INDIVIDUALLY LIABLE FOR NEGLIGENCE.

Sampling or Testing Location – Unless specifically stated to the contrary, the fees included in this proposal do not include costs associated with professional land surveying of the site or the accurate horizontal and vertical locations of tests. Field tests or boring locations described in our report or shown on our sketches are based on specific information furnished to us by others or estimates made in the field by our technicians. Such dimensions, depths or elevations should be considered as approximations unless otherwise stated in the report.

Sample Handling and Retention – Generally test samples or specimens are consumed and/or substantially altered during the conduct of tests and MAE, at its sole discretion, will dispose (subject to the following) of any remaining residue immediately upon completion of test unless required in writing by the Client to store or otherwise handle the samples. (a) NON HAZARDOUS SAMPLES: At Client's written request, MAE will store test samples and specimens, or the residue thereof for ninety (90) days after submission of MAE's report to Client free of storage charges. After the initial 90 days and upon written request, MAE will store test specimens or samples for a mutually acceptable storage charge and period of time. (b) HAZARDOUS OR POTENTIALLY HAZARDOUS SAMPLES: In the event that samples contain substances or constituents hazardous or detrimental to human health, safety or the environment as defined by federal, state or local statutes, regulations, or ordinances ("Hazardous Substances" and "Hazardous Constituents", respectively), MAE will, after completion of testing and at Client's expense: (i) return such samples to Client; (ii) using a manifest signed by Client as generator, will have such samples transported to a location selected by Client for final disposal. Client agrees to pay all costs associated with the storage, transport, and disposal of such samples. Client recognizes and agrees that MAE is acting as a Bailee and at no time does MAE assume title of said waste.

Discovery of Unanticipated Hazardous Materials – Hazardous materials or certain types of hazardous materials may exist at a site where there is no reason to believe they could or should be present. MAE and Client agree that the discovery of unanticipated hazardous materials constitutes a changed condition mandating a renegotiation of the scope of work or termination of services. MAE and Client also agree that the discovery of unanticipated hazardous materials may make it necessary for MAE to take immediate measures to protect health and safety. MAE agrees to notify Client as soon as practicable should unanticipated hazardous materials or suspected hazardous materials be encountered. Client encourages MAE to take any and all measures that, in MAE's professional opinion, are justified to preserve and protect the health and safety of MAE's personnel and the public. Client agrees to compensate MAE for the additional cost of working to protect employees' and the public's health and safety. In addition, Client waives any claim against MAE, and agrees to defend, indemnify and save MAE harmless from any claim or liability for injury or loss arising from MAE's discovery of unanticipated hazardous materials or suspected hazardous materials. Client also agrees to compensate MAE for any time spent and expenses incurred by MAE in defense of any such claim, with such compensation to be based upon MAE's prevailing fee schedule and expense reimbursement policy relative to recovery of direct project costs.

Force Majeure – MAE shall not be held responsible for any delay or failure in performance of any part of this Agreement to the extent such delay or failure is caused by fire, flood, explosion, war, strike, embargo, government requirement, civil or military authority, acts of God, act or omission of subcontractors, carriers, client or other similar causes beyond its control.

8936 Western Way, Suite 12
Jacksonville, Florida 32256
Phone: (904)519-6990 Fax: (904)519-6992

EXHIBIT P-1

JANET O. WHITMILL, R.L.A, INC.
LANDSCAPE ARCHITECT

June 22, 2018

Nicholas E. Mousa, AICP
Associate | Director, Florida Market Initiatives

1301 Riverplace Blvd., Suite 900, Jacksonville, FL 32207

RE: Proposal for Landscape Architectural Design Services for
Gran Cirque Court South- Jacksonville, Florida

Dear Nick,

This letter is to serve as the scope of services offered by Janet O. Whitmill, R.L.A. for the above referenced project. The landscape architectural design services are as follows:

Construction Documents:

- **Planting Plan:** A planting plan will show existing and proposed plant materials with location, species and quantities. Plans will be designed s to meet city's landscape requirements for prompt approval. One meeting with owners is inclusive.
- **Tree Mitigation Plan:** A tree mitigation plan shall be prepared to depict the trees to remain, remove and be credited. The plan shall meet city's minimum requirements and show required tree protection barricades. No tree flagging or surveying included in the proposal.
- **Tree Assessment:** A tree assessment shall be performed by a certified arborist on site to determine the health and viability of the specimen tree to be preserved and removed. The owner shall determine the Limits of Clearing (LOC) prior to the commencement of the tree assessment. Owner require to pay all fees.
  (Option: $1,300.00) ____Accept _____Decline. Please initial.
- **Irrigation Plan:** An Automatic irrigation plan shall be prepared to provide 100% coverage to all landscape areas. Owner to determine location and water source.
- **Contract Administration:** The Landscape Architect shall perform one site inspection. A written report for the meeting shall be provided to the owner.
  (Option: $1000.00) ____Accept _____Decline. Please initial.
- Details and Specifications to support submitted plans will be provided.

Terms of Agreement:

The professional lump sum fees for the base services, without options, outlined above will be:
$3,900.00 (three thousand nine hundred dollars)

This fee proposal is subject to acceptance within 120 days. Invoicing for the tasks outlined above will be on a monthly basis. Payment is required within 30 days from the date of invoice. A **50% retainer** shall be required prior to commencement of work. This fee proposal is subject to acceptance within 120 days. In the event that we are required to retain an attorney to collect on this account, you will also responsible for all collection costs, including an attorney's fee. Blueprinting, delivery and other expenses will be invoiced as direct reimbursable expenses. Any modifications or changes to the approved permit documents shall be additional to the lump sum fee. Billing for any additional scope of services shall be based upon an hourly rate of $150.00 per hour. All original drawings, tracings and sketches shall remain the property of the Landscape Architect. The client shall retain exclusive rights to all drawings.

All work shall be completed within twenty working days of receipt of Auto Cad drawing. Should this proposal meet your approval, please sign below. I look forward to working with you on this project.

Sincerely,

Janet O. Whitmill, R.L.A.

_____ _____
Signature of Acceptance Date

P.O.BOX 5212 • JACKSONVILLE, FL • 32247-5212
PHONE 904.398.7688
EMAIL

DESIGN CRITERIA PACKAGE
For
GRAN CRIQUE DITCH REDEVELOPMENT

A. General

The Design-Build firm shall be responsible for the final design. 60% Drawings have been preliminarily completed by the City's Engineering Division. Before construction activities can begin, 100% Drawings must be reviewed and approved by the City's Engineering Division. Any construction initiated by the Design-Build firm prior to receiving approval from the City shall be at the sole risk of the Design-Build firm.

B. Scope of Work

The work shall consist of the relocation of an existing drainage ditch, installation of a gabion wall and associated improvements to avoid impacts to the surrounding areas. A Location Map showing the approximate location of the proposed project is attached.

C. Legal Description of the Site

The proposed project is located within an existing Drainage Easement at the back of the properties located at 11810 and 11840 Gran Crique Court South.

D. Location of Proposed Improvements on Site

The attached 60% Drawings show the desired location of the relocated drainage ditch and the proposed gabion wall.

E. Budget

The available budget for this project is $XXX,000.

F. Permits

The Design-Build firm shall be responsible for a 10 Set Review through the City of Jacksonville.

G. Maintenance of Traffic

The proposed project location is not on a roadway and it is anticipated that minimal MOT will be required. Temporary closures of one lane at a time are permitted if necessary. No lanes shall be closed overnight.

H. Schedule

Once the Notice to Proceed has been issued, the Design-Build firm shall have XX days to provide the 100% drawings to the City for their review and comment and/or approval. Once the drawings have been

approved by the City, the Design-Build firm shall have XX days until substantial completion of the project.

I. Working Hours

Allowable working hours shall be Monday through Friday from 7 a.m. until 5 p.m.

J. Fueling of Equipment

No fueling of equipment will be allowed in City of Jacksonville right-of-way or within the Drainage Easement. Fueling will have to take place off-site.

K. Staging Area

The Design-Build firm shall be responsible for the staging area. All disturbed areas of the right-of-way and the Drainage Easement shall be restored to the pre-construction condition.

L. Materials

The City's Engineering Division has created preliminary plans that call out Type G Gabions by Contech and Mirafi 140n filter fabric. The final products, details and construction methods are to be determined by the Design-Build firm during the design phase of the project. All design elements are to be reviewed and approved by the City's Engineering Division before the materials are purchased or installed.

M. Utility Locations

The locations of existing utilities must be determined during the design phase of the project. The City's Engineering Division entered a Sunshine811 Design Ticket and the results came back that there are no existing utilities within the Drainage Easement. This is to be confirmed by the Design-Build firm. The Design-Build firm will be responsible for locating any existing utilities, avoiding possible conflicts, performing any required utility relocations, repairing any damaged utilities, or any other costs associated with existing utilities.

END OF THE DESIGN CRITERIA PACKAGE

LIST OF APPENDICES

Appendix A Location Map

Appendix A

Location Map

CITY OF JACKSONVILLE NOTES

GENERAL

All construction shall be performed in accordance with the approved plans and comply with all standard city policies and practices. City approval is contingent upon any required state or federal permit approvals such as those from the Department of Environmental Protection or the St. Johns River Water Management District (SJRWMD).

UTILITY WORK

Plan approval through Development Services does not include utilities. Proposed water, sewer or electric connection must be approved separately through the respective utility company. In most cases, this will be:

[illegible]

WORK WITHIN THE RIGHT-OF-WAY

CITY: Except for new subdivision infrastructure construction, all work performed within a City of Jacksonville right-of-way or easement requires a Right-of-way Permit. The contractor performing the proposed work must have a current Right-of-way Bond on file with Development Services. Right-of-way Permit applications are processed at:

[illegible]

STATE: All work performed within a state right-of-way requires a permit from the Florida Department of Transportation (FDOT). It is the developer's responsibility to obtain required FDOT permits or maintenance-of-traffic approvals for work within FDOT right-of-ways. The FDOT regional office can be contacted at (904) 360-5300. Any changes to the approved plans needed for FDOT approval must be submitted to Development Services as revisions.

Adjacent State Roads: _____

RAILROAD: Railroad companies may require special insurance or permits to work within their right-of-ways. It is the developer's responsibility to obtain permission from any railroad right-of-way owner before performing any work within their right-of-way.

STORMWATER

Annual reports in compliance with the SJRWMD stormwater permits are required from the maintenance entity of the stormwater management facilities. Send copies of the reports to:

[illegible]

The owner of any project one (1) acre or larger is required to provide a Notice of Intent (NOI) in accordance with criteria set forth in the city's NPDES permit within 48 hours of beginning construction. Send NOI and NOI fee to:

[illegible]

The contractor shall contact the Environmental Quality Division, Erosion and Sedimentation Control Section (ESC) to provide verification that applicable stormwater permits have been obtained and to schedule a pre-construction ESC site inspection.

Environmental Quality Division
[illegible]
Jacksonville, FL 32202
(904) 255-8135

FIRE MARSHALL

Plan review and approval does not relieve the contractor of complying with all applicable State Fire Codes.

Underground mains and hydrants shall be installed, completed, and in service prior to construction work.

Underground contractor shall submit to the Fire Marshall for approval complete specs for all underground pipe and fittings applying to fire protection PRIOR to installation and inspection. Contractor shall include manufacturer's name and pipe ID along with contractor's state license number.

LANDSCAPE

A Site Work Permit is required for this project.

☐ Tree Fund payment is due _____ inches at $ _____ = $ _____

☐ Approx 25 trees are due _____ inches at $ _____ = $ _____

TRAFFIC ENGINEERING

TRAFFIC SIGNS

Street Name (each) _____

Stop/Yield (each) _____

Design (per sign) 1 per sign

Installation (per hour) 1 per 3 signs (rounded up)

_____ Streetlights Required

NOTE: Traffic sign costs change from time to time. Consult Attachment 8 of the Land Development Procedures Manual (www.coj.net/land-development) for the current costs before paying for any sign installations.

No lane closures allowed from 7 a.m. till 9 a.m. and from 4 p.m. till 6 p.m.

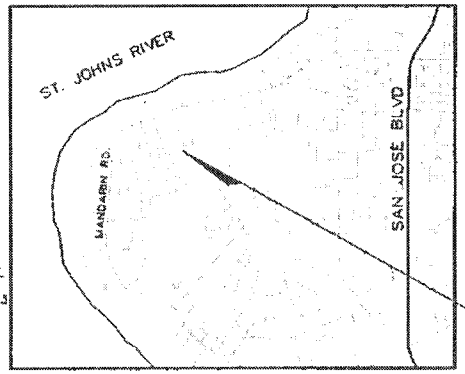
CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

GRAN CRIQUE COURT DITCH REDEVELOPMENT
MANDARIN AREA DRAINAGE

PROJECT #PW0297-01

PREPARED BY
ENGINEERING AND CONSTRUCTION
MANAGEMENT DIVISION
CITY OF JACKSONVILLE
214 N. HOGAN ST 10TH FLOOR
JACKSONVILLE, FL 32202

ENGINEER OF RECORD
MICHAEL P. DERBAUM
PROJECT MANAGER, P.E. NO. 83323
ENGINEERING AND CONSTRUCTION
MANAGEMENT DIVISION
CITY OF JACKSONVILLE



LOCATION MAP
SCALE: NTS

PREPARED FOR
RIGHT OF WAY AND STORMWATER
MAINTENANCE DIVISION
CITY OF JACKSONVILLE
STEVEN LONG, P.E.
DIVISION CHIEF

DRAWING INDEX	
C1.00	COVER SHEET
C2.00	GENERAL NOTES
C3.00	ALIGNMENT PLAN
C4.00	CROSS SECTIONS
C5.00	EROSION CONTROL DETAILS AND DETAILS
C6.00	CONSTRUCTION DETAILS

MAYOR — LENNY CURRY
COUNCIL DISTRICT 6 — MATT SCHELLENBERG
DIRECTOR OF PUBLIC WORKS — JOHN PAPPAS, P.E.

100% PLANS

MAY 2018

EXHIBIT P-1

PLAN APPROVAL

_____ Date _____ (Development Services Division Chief)

_____ Date _____ (Review Group Manager)

Plan approval is valid for five years after the initial approval date. Revisions made after the initial approval date do not extend this five-year time frame.

PLAN APPROVAL IS SUBJECT TO THE FOLLOWING NOTES AND CONDITIONS:

_____

GENERAL PROJECT INFORMATION

GENERAL	
City Development Number	XXXX.XX
Concurrency Application Number	
Property Appraiser Number (RE #)	
Zoning Designation	
Zoning Application(s) (if any)	
PUD Ordinance Number	
FIRM - Community - Panel	
Flood Zones (Show in Plans)	
Base Flood Elev. (Show in Plans)	
Vertical Datum Used for Project	
JEA Availability Number	
SUBDIVISION	
PSD Number	
City or Private Inspection	
Public or Private Roads	
Subdivision ("911") Disk Provided?	
NON SUBDIVISION	
North American Industry Classification System (NAICS)	
Impervious Area (Sq. Ft.)	

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003 F.A.C.

EXHIBIT P-1

GENERAL NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF PUBLIC AND PRIVATE PROPERTY ALONG AND ADJACENT TO THE PROJECT SITE. THE CONTRACTOR SHALL USE SUITABLE PRECAUTION TO PREVENT DAMAGE TO ALL UNDERGROUND STRUCTURES, WHETHER SHOWN ON THE PLANS OR NOT, AND SHALL PROTECT CAREFULLY FROM DISTURBANCE OR DAMAGE, ALL LAND MONUMENTS AND PROPERTY MARKS UNTIL THE ENGINEER HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION AND SHALL NOT MOVE THEM UNTIL DIRECTED.

2. THE CONTRACTOR SHALL MAINTAIN FLOW IN ALL DITCHES, PIPES, AND CULVERTS DURING NON-WORKING HOURS. ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF APPLICABLE PERMITS.

3. THE CONTRACTOR WILL PROVIDE FOR THE PRESERVATION OF LANDSCAPE MATERIAL AND FEATURES. THE REHABILITATION AND PROTECTION AGAINST EROSION OF ALL AREAS DISTURBED BY CONSTRUCTION THROUGH SEEDING, SODDING, MULCHING, AND THE PLACING OF OTHER GROUND COVERS.

4. POLLUTANTS OR POTENTIALLY HAZARDOUS MATERIALS, SUCH AS CONCRETE, ASPHALT, FUELS, LUBRICANTS, LEAD PAINT, CHEMICALS OR BATTERIES, SHALL BE TRANSPORTED, STORED, AND USED IN A MANNER TO PREVENT LEAKAGE OR SPILLAGE INTO THE ENVIRONMENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROPER AND LEGAL DISPOSAL OF ALL SUCH MATERIALS.

   EQUIPMENT, ESPECIALLY CONCRETE OR ASPHALT TRUCKS, SHALL NOT BE WASHED OR CLEANED-OUT ON THE PROJECT OR IN AREAS WHERE CONTAMINANTS CAN ENTER WATERWAYS.

   DISCHARGING WASH DOWN WATER INTO STORM DRAINS, STREAMS, OR RIVERS IS ILLEGAL.

5. THIS PROJECT WILL BE CONSTRUCTED USING CITY OF JACKSONVILLE STANDARD SPECIFICATIONS AND STANDARD DETAILS.

6. ALL INLETS CONSTRUCTED WILL INCLUDE CITY OF JACKSONVILLE STANDARD DETAILS FOR TYPE "C" AND TYPE "E" INLET. SEE DETAIL SHEET FOR SPECIFIC DETAILS AND NOTES THAT ARE SITE SPECIFIC.

GENERAL SITE NOTES:

1. ALL WORK SHALL BE PERFORMED IN A SAFE MANNER. ALL SAFETY RULES AND GUIDELINES OF O.S.H.A. SHALL BE FOLLOWED. THE CONTRACTOR SHALL BE WHOLLY RESPONSIBLE FOR ANY INJURIES TO HIS EMPLOYEES AND FOR ANY DAMAGE TO PRIVATE PROPERTY OR PERSONS DURING THE COURSE OF THIS PROJECT. ALL COSTS ASSOCIATED WITH COMPLYING WITH OSHA REGULATIONS AND THE FLORIDA TRENCH SAFETY ACT MUST BE INCLUDED IN THE CONTRACTOR'S BID.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VISITING THE JOB SITE PRIOR TO PREPARING THE BID FOR THE PURPOSE OF FAMILIARIZING HIMSELF WITH THE NATURE AND THE EXTENT OF THE WORK AND LOCAL CONDITIONS, EITHER SURFACE OR SUB-SURFACE, WHICH MAY AFFECT THE WORK TO BE PERFORMED, AND THE EQUIPMENT, LABOR AND MATERIALS REQUIRED. FAILURE TO DO SO WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THE CONSTRUCTION CONTRACT. THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA (811) FOR UTILITIES LOCATES IN ACCORDANCE WITH STATE LAW PRIOR TO EXCAVATING. THE CONTRACTOR IS ALSO URGED TO TAKE COLOR PHOTOGRAPHS ALONG THE ROUTE OF OR WITHIN THE PROJECT TO RECORD EXISTING CONDITIONS PRIOR TO CONSTRUCTION, AND TO AID IN RESOLVING POSSIBLE FUTURE ISSUES THAT MAY OCCUR DUE TO THE CONSTRUCTION OF THE PROJECT.

3. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING STRUCTURES, IMPROVEMENTS, UTILITIES, PROPERTY LINES, AND CONFIRM ALL PROPOSED DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCING ANY CONSTRUCTION OR ORDERING ANY MATERIALS.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING A PERMANENT STAND OF SOD AND/OR GRASS PER CITY OF JACKSONVILLE STANDARDS AND MEETING THE NPDES FINAL STABILIZATION REQUIREMENTS.

5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO EITHER CONDUCT ANY FIELD EXPLORATION OR ACQUIRE ANY GEOTECHNICAL ASSISTANCE REQUIRED TO ESTIMATE THE AMOUNT OF UNSUITABLE MATERIAL THAT WILL REQUIRE REMOVAL AND/OR ESTIMATE THE AMOUNT OF OFF SITE BORROW THAT WILL BE REQUIRED. FAILURE OF THE CONTRACTOR TO IDENTIFY/QUANTIFY THE AMOUNT OF UNSUITABLE MATERIAL TO BE REMOVED AND REPLACED DURING THE BID PROCESS WILL NOT RELIEVE THE CONTRACTOR OF COMPLETE PERFORMANCE UNDER THE CONSTRUCTION CONTRACT.

GENERAL SITE NOTES:

ALL MATERIALS AND WORKMANSHIP ARE TO BE WARRANTED BY THE CONTRACTOR TO THE OWNER AND THE CITY OF JACKSONVILLE FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE BY THE OWNER AND THE CITY OF JACKSONVILLE.

IF DEWATERING CAPACITY REQUIRES A CONSUMPTIVE USE PERMIT (C.U.P.) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE PERMIT THROUGH THE ST. JOHNS RIVER MANAGEMENTS DISTRICT. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER AND THE ENGINEER FOR APPROVAL OF ALL DEWATERING OPERATIONS PRIOR TO COMMENCEMENT.

8. PRIOR TO ANY DISCHARGE OF GROUND WATER (DEWATERING) FROM CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT TO WATERS OF THE STATE (INCLUDING, BUT NOT LIMITED TO, WETLANDS, SWALES AND MUNICIPAL STORM SEWERS). THE CONTRACTOR SHALL TEST THE EFFLUENT (WATER TO BE DISCHARGED) IN ACCORDANCE WITH RULE 62-621.300(2), F.A.C. IF TEST RESULTS ON THE EFFLUENT ARE BELOW THE SCREENING VALUES OF RULE 62-621.300(2) F.A.C., THE CONTRACTOR SHALL SUBMIT A SUMMARY OF THE PROPOSED CONSTRUCTION ACTIVITY AND THE TEST RESULTS TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION DISTRICT OFFICE, WITHIN ONE (1) WEEK AFTER DISCHARGE BEGINS. THE CONTRACTOR SHALL CONTINUE TO SAMPLE THE EFFLUENT AS REQUIRED THROUGHOUT THE PROJECT AND COMPLY WITH ALL CONDITIONS OF RULE 62-621.300(2) F.A.C. IF THE GROUND WATER EXCEEDS THE SCREENING VALUES OF RULE 62-621.300(2) F.A.C., THE CONTRACTOR SHALL COMPLY WITH OTHER APPLICABLE RULES AND REGULATIONS PRIOR TO DISCHARGE OF THE EFFLUENT (GROUND WATER) TO THE SURFACE WATER OF THE STATE.

9. ALL AREAS SHOWN TO BE FILLED SHALL BE CLEARED AND GRUBBED IN ACCORDANCE WITH THE CITY OF JACKSONVILLE STANDARDS AND SHALL BE FILLED WITH CLEAN STRUCTURAL FILL IN ACCORDANCE WITH CITY OF JACKSONVILLE STANDARDS.

10. ALL ACCESS EASEMENTS ARE TO BE STABILIZED AND DRIVABLE.

11. DEBRIS REMOVAL SHALL FOLLOW DIVISION 01, 2260 OF THE CONTRACT SPECIFICATIONS.

12. UNSUITABLE MATERIAL UNDER UTILITY OR STORM PIPE, STRUCTURES, PAVEMENT, BUILDING PADS, OR HARDSCAPE ELEMENTS SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL, PROPERLY COMPACTED TO CITY OF JACKSONVILLE STANDARDS.

13. CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL SURVEY AND PROPERTY MONUMENTS. IF A MONUMENT IS DISTURBED, THE CONTRACTOR SHALL CONTACT THE PROJECT MANAGER TO COORDINATE THE SURVEYING TEAM TO RESET THE PROPERTY CORNERS.

14. ALL UNDERGROUND UTILITIES TO BE INSTALLED UNDER PAVEMENT MUST BE INSTALLED PRIOR TO PREPARATION OF SUBGRADE FOR PAVEMENT.

15. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL MATERIALS TO THE ENGINEER FOR REVIEW AND APPROVAL TO PURCHASE OR CONSTRUCTION OF ANY UTILITY OR STORM PIPE OR STRUCTURES.

Know what's **below.**
Call before you dig.

PAVING AND DRAINAGE NOTES:

1. ALL DRAINAGE PIPE JOINTS ARE TO BE FILTER FABRIC WRAPPED.

2. ALL INVERTS IN DRAINAGE STRUCTURES TO BE PRECAST OR BRICK WITH LAYER OF MORTAR BETWEEN EACH LAYER OF BRICK OR RECEIVED WITH CONCRETE WITH #57 STONE.

3. ALL PIPE LENGTHS ARE SCALED DIMENSIONS. ALL DRAINAGE STRUCTURES SHALL BE CONSTRUCTED TO CONFORM WITH CITY REQUIREMENTS AND SHALL BE CONSTRUCTED TO CONFORM WITH CURBING, PROPERTY LINES AND LOW POINTS AS SHOWN ON THE PLANS.

4. CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEAN AND FUNCTIONING PROPERLY AT THE TIME OF ACCEPTANCE.

5. ALL PIPE LENGTHS SHOWN ON CONSTRUCTION DRAWINGS ARE FROM THE CENTER TO CENTER OF STRUCTURES. INVERT ELEVATIONS SHOWN ON THE DRAWINGS ARE TO THE CENTERLINE OF STRUCTURES.

8. LOCAL RESIDENTS WILL BE PROVIDED ACCESS TO THEIR PROPERTY AT ALL TIMES DURING CONSTRUCTION.

9. RESIDENTIAL DRIVEWAY CLOSURES SHALL BE COORDINATED WITH EACH RESIDENT.

NOTES: *VERTICAL DATUM: NAVD 1988*

- THE TOPOGRAPHICAL SURVEY WAS COMPLETED BY THE CITY OF JACKSONVILLE'S PUBLIC WORKS DEPARTMENT PROFESSIONAL REGISTERED SURVEYOR AND SURVEY PERSONNEL.
- THIS IS NOT A BOUNDARY SURVEY.
- BEARINGS AND COORDINATES SHOWN HEREON ARE RELATIVE TO THE FLORIDA STATE PLANE COORDINATE SYSTEM, EAST ZONE, NORTH AMERICAN DATUM OF 1983 (EPOCH 2010 (NAD 83(2011)) AS ESTABLISHED BY REAL TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) SURVEY TECHNIQUES.
- ELEVATIONS SHOWN HEREON REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- RIGHT OF WAY LINES SHOWN HEREON WERE DERIVED FROM RECORD PLATS AND DEEDS AVAILABLE FROM THE CURRENT PUBLIC RECORDS OF DUVAL COUNTY, FLORIDA, AND ARE SUPPORTED BY EXISTING MONUMENTATION RECOVERED DURING THE COURSE OF THIS SURVEY.
- INFORMATION SHOWN AS INVERT ELEVATIONS, PIPE SIZE, PIPE MATERIAL, AND CONNECTIVITY OF THE STORM AND SANITARY SEWER SYSTEMS ARE ASCERTAINED TO THE BEST OF OUR ABILITY BASED ON SITE CONDITIONS, ACCESSIBILITY TO THE FACILITIES, CONDITION OF FACILITIES AND AGE OF FACILITIES.
- SUB-SURFACE FEATURES AND UTILITIES WERE NOT LOCATED DURING THE COURSE OF THIS SURVEY, EXCEPT AS EVIDENCED BY ABOVE GROUND FEATURES THEREOF.
- SURVEY PERFORMED WITHOUT THE BENEFIT OF TITLE COMMITMENT; THEREFORE THERE MAY BE MATTERS OF RECORD AND/OR NON-RECORD THAT MAY AFFECT THE PROPERTY DEPICTED HEREON OF WHICH THIS FIRM WAS NOT ADVISED.
- INFORMATION SHOWN HEREON REPRESENTS THE SITE AS OF JUNE 9, 2016, THE LAST DATE OF SURVEY.

UTILITY CONTACTS		
JEA WATER/SEWER	BRAD WARREN	904-665-8001
JEA ELECTRIC	BRAD WARREN	904--665-8001
AT&T	DINO FARUGGIO	561-997-0240
COMCAST CABLE	JAMES GRAHAM	904-380-6344
	USIC DISPATCH	800-788-9140

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MICHAEL P. DERBAUM, P.E. #83323
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

DATE	DRAWN BY	PROJECT NO

GRAN CRIQUE COURT
GENERAL NOTES

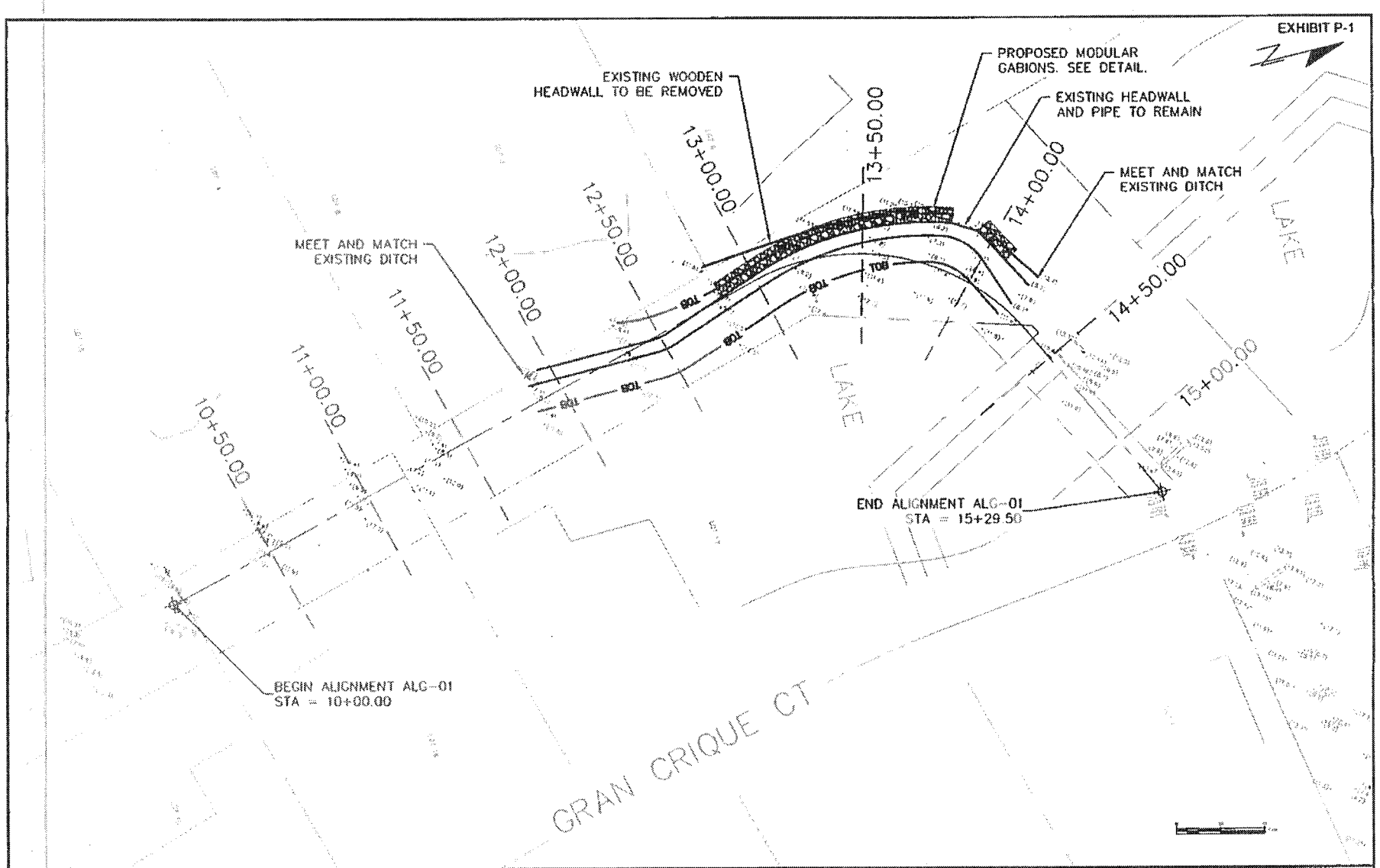
SHEET NO.
C2.00

Derbaum, Michael 5/30/2018 8:56:33 AM

C:\EKVDWG_Users\Byron\Local\Temp\acpublish_...

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003 F.A.C.

EXHIBIT P-1



REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MICHAEL P. DERBAUM, P.E. #83323
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
5/29/2018	AMT	

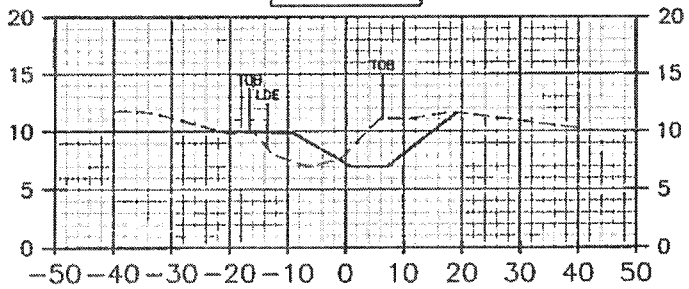
GRAN CRIQUE CT
ALIGNMENT PLAN

SHEET NO. C3.00

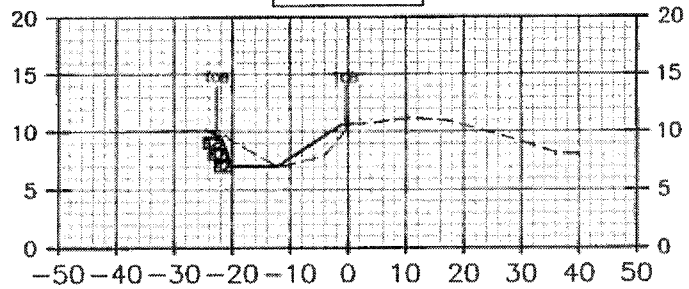
Derbaum, Michael 5/30/2018 8:38:29 AM

EXHIBIT P-1

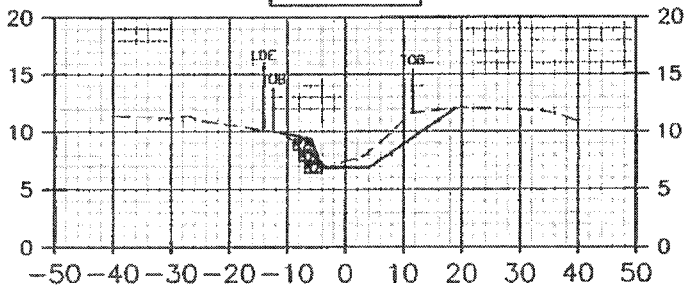
STA: 12+50



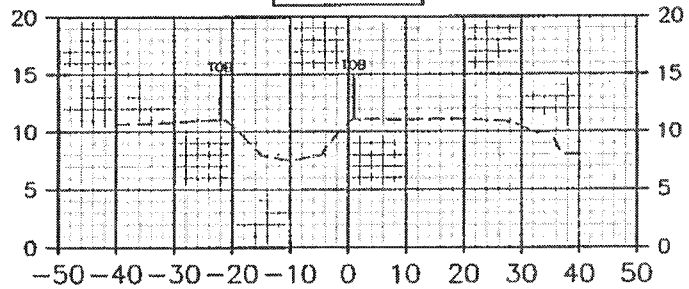
STA: 14+00



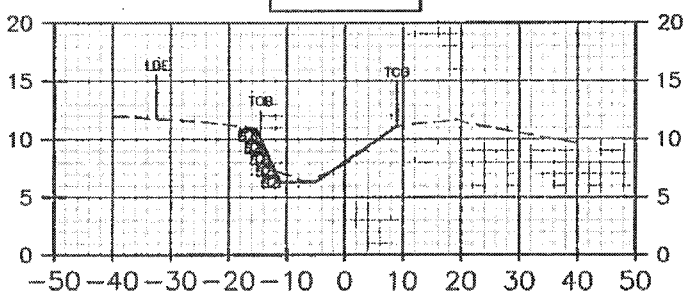
STA: 13+00



STA: 14+50



STA: 13+50



ALL DITCH BANKS ARE TO BE 3:1 MAXIMUM

LDE: LIMITS OF DRAINAGE EASEMENT

H 1" = 20'
V 1" = 10'

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MICHAEL P. DERBAUM, P.E. #83323
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE, FLORIDA
DEPARTMENT OF PUBLIC WORKS

DATE	DRAWN BY	PROJECT #
6/29/2018	AMT	

GRAN CRIQUE CT
CROSS SECTIONS

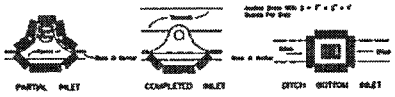
SHEET NO. C4.00

Derbaum, Michael 5/30/2018 8:39:32 AM

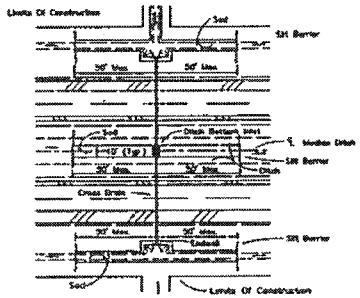
G:\DEVDEV_Land Dev\Land\gran_cq\dwg

EROSION AND SEDIMENT CONTROL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING SILT FROM SITE OF ANY VEGETATIVE EROSION AND SEDIMENTATION PLAN ALIGNMENT AND DRAIN IN ALL DITCHES AND SWALES AT COMPLETION OF CONSTRUCTION.
2. THE SITE CONTRACTOR IS RESPONSIBLE FOR REMOVING THE TEMPORARY DRAINAGE AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
3. ADDITIONAL PROTECTION – EROSION PROTECTION IS ADDITION TO THE PIPE MUST BE PROVIDED THAT WILL NOT VIOLATE DEP IN LEAVE THE PROJECT CONTRACT DUE TO UNDER UNDERMINE OR ACCIDENTS.
4. CONTRACTOR SHALL INSURE THAT ALL DRAINAGE STRUCTURES, PIPES, ETC. ARE CLEANED OUT AND DRAINAGE PROPERLY AT TIME OF ACCEPTANCE.
5. WIRE MESH SHALL BE LAID OVER THE GRATE INLET SO THAT THE WIRE EXTENDS A MINIMUM OF 1 FOOT BEYOND EACH SIDE OF THE INLET STRUCTURE. HARDWARE CLOTH OR COMPARABLE WIRE MESH WITH 1/2-INCH OPENINGS SHALL BE USED. IF MORE THAN ONE STRIP OF MESH IS NECESSARY, THE STRIPS SHALL BE OVERLAPPED.
6. FIRST AID I (SHARP AGGREGATE) SHALL BE PLACED OVER THE WIRE MESH AS DESCRIBED IN 5-1.1. THE DEPTH OF STONE SHALL BE AT LEAST 12 INCHES OVER THE BOTTOM BALE OPENING. THE STONE SHALL EXTEND BEYOND THE INLET OPENING AT LEAST 18 INCHES ON ALL SIDES.
7. IF THE STONE FILTER BECOMES CLOGGED WITH SEDIMENT SO THAT IT CAN LONGER PERFORM ITS FUNCTION, THE STONES MUST BE PULLED AWAY FROM THE INLET, CLEANED AND REPLACED.
8. BALES SHALL BE EITHER WIRE-BOUND OR STRAW-TIED WITH THE BINDINGS ORIENTED AROUND THE BALE SUCH THAT WIRE AND WIRES DO NOT SLIP.
9. BALES SHALL BE PLACED LENGTHWISE IN A SINGLE ROW SURROUNDING THE INLET, WITH THE EDGE OF ADJACENT BALES PRESSED TOGETHER.
10. THE FILTER BARRIER SHALL BE REMOVABLE AND PORTABLE. A TRENCH SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AND COMPACTED AGAINST THE FILTER BARRIER.
11. EACH BALE SHALL BE SECURELY ANCHORED AND FIRMLY IN PLACE BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE.
12. LOOSE STRAW SHALL BE WEDGED BETWEEN BALES TO PREVENT WATER FROM GUSHING BETWEEN BALES.
13. WRAP BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
14. FLOW ATTENUATION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES AND FLOW AND UNDERCUTTING BENEATH BALES.
15. NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.
16. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE SPREADED IN CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.
17. SILT FENCES AND FILTER BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.
18. SHOULD THE FABRIC ON A SILT FENCE OR FILTER BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER STILL IS NECESSARY, THE FABRIC SHALL BE REPLACED PROMPTLY.
19. SEDIMENT DEPOSITS SHALLBE REMOVED AFTER EACH EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
20. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE SILT FENCE OR FILTER BARRIER IS NO LONGER REQUIRED SHALL BE SPREADED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.
21. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
22. SEDIMENT SHALL BE REMOVED AND THE TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.
23. THE CONTRACTOR IS RESPONSIBLE FOR FOLLOWING THE EROSION AND SEDIMENT CONTROL PRACTICES AS OUTLINED IN THE PLANS, SPECIFICATIONS AND ST JOHNS RIVER WATER MANAGEMENT DISTRICT SPECIFICATIONS AND CRITERIA.
24. FOR ADDITIONAL INFORMATION ON EROSION AND SEDIMENT CONTROL REFER TO "THE FLORIDA DEVELOPMENT MANUAL: A GUIDE TO SOUND LAND AND WATER MANAGEMENT" FROM THE STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (F.D.E.R.) CHAPTER 6.
25. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED ADJACENT TO ALL DISTURBED AREAS WHERE THERE IS POTENTIAL FOR SUBSTANTIAL WATER QUALITY DEGRADATION. SEE DETAIL SHEET FOR TYPICAL CONSTRUCTION.
26. ALL DISTURBED AREAS SHALL BE GRADED, FERTILIZED, MULCHED AND CONTAINED ON SITE. A PERMANENT RECEIVING OUTFALL IS ESTABLISHED.
27. THE SWALE OR PLACED IN AREAS WHERE MAY REQUIRE SUBSURFACE DRAINAGE PROTECTION TO ENSURE WATER QUALITY STANDARDS ARE MAINTAINED.
28. ANY DEWATERING PUMP OR DEWATERING ACTIVITY SHALL BE FILTERED AND DISCHARGED TO THE SWALE IN A MANNER WHICH PREVENTS ERODING AND TRANSPORTATION OF SUSPENDED SOLIDS IN THE RECEIVING CHANNEL.
29. DEWATERING PUMPS SHALL NOT EXCEED THE CAPACITY OF THAT WHICH REQUIRES A DEWATERING WRC PERMIT FROM THE ST JOHNS RIVER WATER MANAGEMENT DISTRICT.
30. ALL DISTURBED AREAS TO BE STABILIZED THROUGH CONTRACTION, SILT FENCING, HAY BALES, AND SEEDING. ALL FILL SLOPES 3:1 OR FLATTER TO RECEIVE SEEDING AND SOD.
31. ALL DEWATERING, BRACING, AND SEDIMENT CONTROL TO REMAIN IN PLACE AFTER COMPLETION OF CONSTRUCTION AND REMOVED ONLY WHEN AREAS HAVE STABILIZED.
32. THIS PLAN INDICATES THE MINIMUM EROSION AND SEDIMENT REQUIREMENTS REQUIRED FOR THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR MEETING ALL APPLICABLE FEDERAL, STATE, LOCAL AND WATER QUALITY STANDARDS AND MAY NEED TO INSTALL ADDITIONAL CONTROLS.
33. THE CONTRACTOR SHALL BE RESPONSIBLE TO RESPOND TO ALL WATER MANAGEMENT DISTRICT INQUIRIES, RELATING TO COMPLIANCE OF PLANS FOR EROSION AND SEDIMENTATION CONTROL. THE COST OF THE COMPLIANCE SHALL BE PART OF THE CONTRACT.

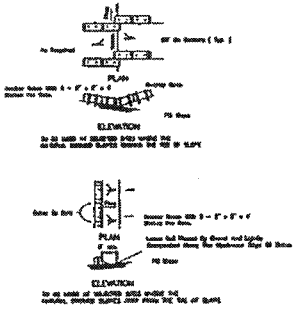


PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



DITCH INSTALLATIONS AT DRAINAGE STRUCTURES

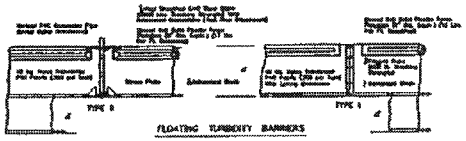
BALES BACKED BY FENCE



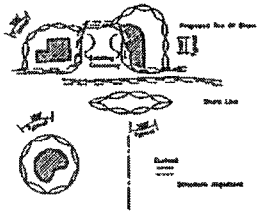
BARRIERS FOR FILL SLOPES

HAY BALE LOCATION

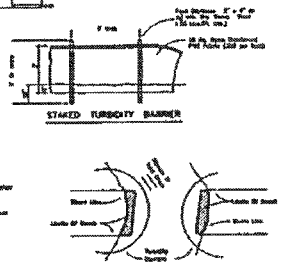
(D-901)
N.T.S.



FLOATING TURBIDITY BARRIERS

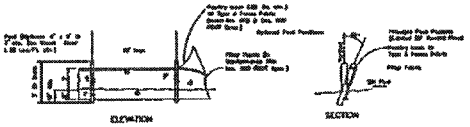


TURBIDITY BARRIER APPLICATIONS



TURBIDITY BARRIERS

(D-902)
N.T.S.



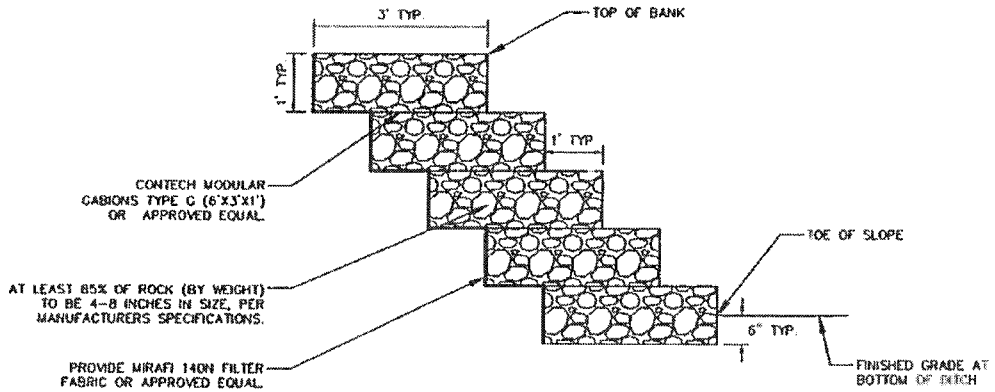
TYPE IV SILT FENCE

SILT FENCE APPLICATIONS

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003 F.A.C.

REVISIONS DATE		ENGINEER OF RECORD: MICHAEL P. DERBAUM, P.E. #83323 CITY OF JACKSONVILLE 214 N. HOGAN ST JACKSONVILLE, FL 32202	CITY OF JACKSONVILLE, FLORIDA DEPARTMENT OF PUBLIC WORKS			SHEET NO.
			DATE	DRAWN BY	PROJECT #	C5.00
			5/16/2018	AMT		

Derbaum, Michael 5/30/2018 8:58:37 AM



GABION DETAILS

NOTICE: THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE SIGNED AND SEALED UNDER RULE 61G15-23.003 F.A.C.

REVISIONS			
DATE	DESCRIPTION	DATE	DESCRIPTION

ENGINEER OF RECORD:
MICHAEL P. DERBAUM, P.E. #83323
CITY OF JACKSONVILLE
214 N. HOGAN ST.
JACKSONVILLE, FL 32202

CITY OF JACKSONVILLE
PUBLIC WORKS DEPARTMENT

DATE	DRAWN BY	PROJECT NO

GRAN CRIQUE COURT
CONSTRUCTION DETAILS

SHEET NO.
C6.00

Derbaum, Michael 3/30/2018 8:58:43 AM
G:\EN\DWG_\Lord Byron\Lordbyron_Details.dwg

SUBJECT: RFQ- FOR DESIGN- BUILD SERVICES OF HORIZONTAL/CIVIL ENGINEERING PROJECTS

BID # CDB-0006-16

OPEN DATE: 10/21/2015

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: DEPARTMENT OF PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 5 NUMBER RECEIVED: 5 OTHER: 1

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The City had previously issued this RFP, and the evaluation committee has evaluated proposals. Subsequently, presentations were conducted and evaluated on January 28, 2016. Based upon the combination of proposal and presentation evaluations, scores and rankings are as follows (Listed in alphabetical order):

2) Archer-Western – 118.25
3) Callaway Contracting, Inc. - 100
1) J.B. Coxwell Contracting, Inc. - 121.5

Recommend approval of award to J.B. Coxwell Contracting, Inc., as receiving the highest score in accordance with the evaluation and ranking above. Period of Service will be five (5) years from effective date of contract with funding not-to-exceed $6,000,000.00 annually. To be executed by formal contract through Office of General Counsel.

Attachments: Recommendation Memo, Scoring Matrix, Previous Award

BUYER Marilyn Laidler
MARILYN LAIDLER

RESPECTFULLY SUBMITTED
GREGORY REASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: Thomas N. Fallin, P.E., Acting Chief-Engineering & Construction Management Division

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)
ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING _____ DATE: 2/4/16

OTHER _____

ACTION OF AWARDING AUTHORITY DATE 2/04/16

MR APPROVED ✓ DISAPPROVED: _____

Sam E. Mousa
Chief Administrative Officer
For: Mayor Lenny Curry
Under Authority of
Executive Order No. 2015-05

OTHER: _____

SIGNATURE OF AUTHENTICATION _____

SUBJECT: RFQ- FOR DESIGN- BUILD SERVICES OF HORIZONTAL/CIVIL ENGINEERING PROJECTS

BID # CDB-0006-16

OPEN DATE: 10/21/2015

COMPETITIVE SEALED PROPOSAL EVALUATION COMMITTEE

KIND AND BASIS OF CONTRACT:
CONSTRUCTION – DESIGN/BUILD

AGENCY: DEPARTMENT OF PUBLIC WORKS

BASIS OF AWARD: EVALUATION CRITERIA

NUMBER OF BIDS INVITED: 5 NUMBER RECEIVED: 5 OTHER: 1

SUMMARY OF BIDS AND RECOMMENDED ACTIONS:

The City had previously issued this RFP, and the evaluation committee has evaluated proposals. Based upon the proposal evaluation, the average scores and rankings are as follows (Listed in alphabetical order):

2) Archer-Western Contractors, LLC. – 91
1) J.B. Coxwell Contracting- 92
3) Callaway Contracting- 74

Pursuant to Section 2.6 – Award of Contract of the RFP, recommend approval to conduct formal interviews with each of the three-top ranked Firms.

Attachments: Recommendation Memo, Scoring Matrix, Bid Tabulation, Section 2.6, JSEB Letter

BUYER Marilyn Laidler
MARILYN LAIDLER

RESPECTFULLY SUBMITTED
GREGORY PEASE, CHIEF
PROCUREMENT DIVISION

CONCURRENCE BY: William J. Joyce, P.E., Chief-Engineering & Construction Management

(ALL AWARD ACTIONS SUBJECT TO LAWFULLY APPROPRIATED FUNDS)

ACTION OF CSPEC COMMITTEE ON RECOMMENDATIONS ABOVE

MEMBERS APPROVING 5 MEMBERS DISAPPROVING _____ DATE: 12-30-15

OTHER _____

ACTION OF AWARDING AUTHORITY

DATE 1/01/16

MR APPROVED ✓ DISAPPROVED: _____

OTHER: _____

Sam E. Mousa
Chief Administrative Officer
For: Mayor Lenny Curry
Under Authority of:
Executive Order No. 2015-05

SIGNATURE OF AUTHENTICATION Sam E. Mousa

QWS3270X 8/10/2018 1:47 PM
FAML6350 V5.1 ** NW COJ FAMIS PRODUCTION ** 08/10/2018
LINK TO: ACCOUNT SUMMARY INQUIRY 1:47 PM

FISCAL MO/YEAR : 11 2018 CURRENCY CODE :
INDEX CODE : PWCP31LSD538 CAPITAL PROJ REV BONDS 1997
SUBOBJECT : 06505 OTHER CONSTRUCTION COSTS
PROJECT : PW0297 MANDARIN DRAINAGE (MANDARIN/ORANGE PICKR
PROJECT DETAIL : 01 MANDARIN DRAINAGE (MANDARIN/ORANGE PICKR
GRANT :
GRANT DETAIL :
USER CODE :

S	AUG 2018	ANNUAL BALANCE	ALL YEARS BALANCE
ESTIMATED REVENUES	.00	.00	.00
REVENUES	.00	.00	.00
UNREALIZED REVENUES	.00	.00	.00
BUDGET	.00	.00	2,048,720.04
EXPENDITURES	.00	.00	472,352.06
ENCUMBRANCES	.00	3,916.43	3,916.43
PRE-ENCUMBRANCES	.00	.00	.00
REMAINING BALANCE	.00	-3,916.43	1,572,451.55

F1-HELP F2-SELECT F4-PRIOR F5-NEXT
F9-LINK F10-PRIOR-MO F11-NEXT-MO
G005 - PRIOR RECORD DISPLAYED