



PUBLIC WORKS

③ ✓ 7/29/15 (L)

ROUTING FORM FOR TASK ORDERS – COMMISSION APPROVAL

Project/Contract Number: 12106/626-10881-3 CMO Log #: \_\_\_\_\_  
 Document Title: Exhibit 1 – Task Order No. 3 Attached:  3 original  
 Department: Public Works - Engineering  
 Corresponding CAM #: 15-0672  
 Commission Date: June 16, 2015, CM-6

Purpose: The task order is for design engineering services and construction engineering services to oversee the construction of the stormwater drainage system at the George T. Lohmeyer Waste Water Treatment Plant

FUNDING INFORMATION

CIP Funded Project: Yes  No   
 Amount Required by Task Order: ~~\$152,440~~ \$127,440  
 Index/Sub Object Code: P12106.451/ 6534, 6501  
 Engineering Finance Approval Sign: \_\_\_\_\_

APPROVAL ROUTING –PUBLIC WORKS

	Approved:	Disapproved:	Signature/Initials
Hardeep Anand, P.E., Public Works Director	<input checked="" type="checkbox"/>	<input type="checkbox"/>	HA 7/13

APPROVAL ROUTING –FINANCE DEPARTMENT

	Recommend Approval:	Disapproved:	Signature/Initials
Kirk W. Buffington, C.P.M., Finance Director	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Signature]

APPROVAL ROUTING – CITY ATTORNEY'S OFFICE

	Approved as to form:	Disapproved:	Signature/Initials
City Attorney	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Signature]

APPROVAL ROUTING – CITY MANAGER'S OFFICE

	Approved:	Disapproved:	Signature/Initials
Lee R. Feldman, ICMA-CM, City Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	[Signature]

CITY CLERK'S OFFICE Upon approval by the City Manager, please route this form along with Task Order to PW- Engineering, Kian Movafaghi (Ext. 7818).

## TASK ORDER No. 3

Dated this 16<sup>th</sup> day of June, 2015

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT

PROJECT No. 12106

GT LOHMEYER WWTP STORMWATER IMPROVEMENTS

### PROFESSIONAL SERVICES

This Task Order is being entered into pursuant to the Continuing Contract for Civil Engineering Consultant Services Agreement (Contract 626-10881-3) between the City of Fort Lauderdale, a municipal corporation of the State of Florida, ("CITY") and CRAVEN THOMPSON & ASSOCIATES, INC., a Florida corporation, ("CONSULTANT") in accordance with the terms of the agreement for professional services dated November 6, 2012 and renewed on October 21, 2014 between CITY and CONSULTANT ("MASTER AGREEMENT").

### PROJECT BACKGROUND

The George T Lohmeyer Waste Water Treatment Plant (GT Lohmeyer WWTP) has historically experienced regular flooding events on the northside of the site. The flooding occurs during 1" plus rainfall events and not only causes flooding within the Site but also overflows the perimeter elevations causing flooding on SE 18<sup>th</sup> Street and within the adjacent properties to the north. This task order requires the CONSULTANT to develop a conceptual design to alleviate the onsite and offsite flooding issues.

Once the conceptual design is approved, the CONSULTANT will provide final construction documents, engineering permits and construction observation services for the GT Lohmeyer WWTP stormwater improvements.

### PROJECT DESCRIPTION

The GT Lohmeyer WWTP stormwater improvements project will consist of the following phases:

- Phase I - Feasibility Analysis
- Phase II - Permitting and development of 30% and 75% construction documents
- Phase III - Development of 100% construction documents and specifications
- Phase IV - Construction Observation Services

Project location and limits of work are identified in **Exhibit 1**. The Project area is bounded on the north by SE 18<sup>th</sup> Street, on the south by Plant, on the west by Harbor Shops Development and on the east by Eisenhower Boulevard. The work area is limited to the roadway along the northern boundary of the Site and SE 18<sup>th</sup> Street from approximately 750 LF west of Eisenhower Boulevard to Eisenhower Boulevard.

The main objectives of this task order are to obtain all design permits and develop construction documents that would allow the City to bid out the construction of the project.

Major deliverables are described within the Scope section, which include providing final construction documents and design permits that would allow the City to bid out the construction of the project.



### SCOPE OF SERVICES AND DELIVERABLES

This Task Order will cover the engineering, and surveying services required to complete plans and obtain permits for the **GT Lohmeyer WWTP** storm water improvements.

The CONSULTANT is responsible for all work of their sub consultants/subcontractors to meet the deliverables included on this task order.

#### ***PHASE I – Feasibility Analysis***

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##### **Task 1 – Data Gathering**

- 1.1 Review all available documentation regarding previous studies, surveys, as-builts, atlas', etc. The documents will be used to create a base for which to apply improvements to in order to resolve the flooding issues within the Project Area.

##### **Task 2 – Preliminary Design Development**

- 2.1 CONSULTANT shall develop a maximum of two (2) potential alternative designs to alleviate the flooding issues within the Project Area. These two (2) alternatives will be presented to the City with preliminary construction costs for evaluation. A coordination meeting will be held to discuss and determine which alternate will be utilized for Phase II and III. CONSULTANT shall prepare and submit the meeting agenda and meeting minutes.

#### ***PHASE II – Permitting and 75% Design***

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##### **Task 3 – Surveying**

- 3.1 CONSULTANT shall prepare a Topographic Survey of that portion of the above referenced project, shown on Exhibit "1", (attached). This survey lies from the East line of the Pretreatment Building to the west Right-of-Way Line of Eisenhower Blvd., 1,485± L.F. The survey will include recovery of pertinent boundary corners, location of aboveground visible improvements, including pavement, slabs, fences, trees, utility features and the perimeter wall along the north property line of the subject property including S.E. 18<sup>th</sup> Street. In addition, the CONSULTANT will obtain rim elevations of utility structures with invert elevations, pipe size and type of drainage & sanitary structures. The survey will meet current surveying requirements of the Board of Professional Surveyors and Mappers, of the State of Florida, and will comply with the City of Fort Lauderdale CAD standards. The survey will be prepared in AutoCAD Civil 3D, Version 2014 drawing file format. Elevations will be based on the North American Vertical Datum of 1988 (NAVD 88), and referenced to National Geodetic Survey benchmarks.

##### **Task 4 – Stormwater Design**

- 4.1 CONSULTANT shall complete the stormwater engineering design of the **GT Lohmeyer WWTP Stormwater Improvements** to the 30% and 75% design stage. The stormwater engineering design will include complying with the 2014 City adopted roadway flood protection criteria for a 10 YR / 24 HR storm and all associated permit agencies' requirements. It should be noted that due to CITY budget, existing physical conditions and regulatory requirements, the 10 YR / 24 HR roadway flood protection may not be achievable in certain areas within the Project. All

associated hydraulic modeling must be done with the U.S. Environmental Protection Agency (EPA) Storm Water Management Model (SWMM), Interconnected Pond Routing (ICPR), or equal.

- 4.1.1 Conduct Hydraulic Modeling.
- 4.1.2 Design of a pollution prevention and sediment erosion control plan.
- 4.1.3 Design of the drainage system, including but not limited to exfiltration trenches, berms, swales, structures, drainage wells and related storm infrastructure. The design must protect the existing property located on the north side of SE 18<sup>th</sup> Street within the Project Area.
- 4.1.4 Prepare drainage calculations and reports to satisfy permitting agencies requirements, including NPDES MS4 program.
- 4.1.5 CONSULTANT shall review options to incorporate alternative sustainable stormwater features.
- 4.1.6 CONSULTANT shall conduct Underground Utility Locates within the Project Area. It is anticipated that a maximum of ten (10) utility locates will be utilized under this Task.

**Task 5 – Permitting**

- 5.1 CONSULTANT shall obtain all design permits for **GT Lohmeyer WWTP Stormwater Improvements Project** to allow the City to bid out the construction of the project. This item includes responding to all permit agencies comments. This item does not include permits fees, which are reimbursable expenses paid per contract agreement clauses.
  - 5.1.1 PERMITS **GT Lohmeyer WWTP Stormwater Improvements**
    - SFWMD ERP Surface Water
    - FDEP/BCEPD ERP Surface Water
    - FDOT\* Drainage Connection
    - City of Fort Lauderdale Engineering and Building Department

\* Potential Permit

**Task 6 – Project coordination and information meetings**

- 6.1 CONSULTANT shall provide project coordination meetings at the following project milestones: project kick-off, 30% and 75% design.
  - 6.1.1 Each meeting shall not extend more than 2 hours in duration and be charged per actual meeting duration.
  - 6.1.2 Any unused meeting time can be used for subsequent meetings if needed and as approved by CITY.
  - 6.1.3 CONSULTANT staff attending the meetings shall be approved by CITY prior to CONSULTANT conducting any meeting.
  - 6.1.4 CONSULTANT shall prepare meeting agenda and meeting minutes and submit to CITY for review.

**Task 7 –Reimbursable**

- 7.1 Printing costs and postage are included in reimbursables and shall be billed per contract terms and agreement.

### ***PHASE III – Development of 100% construction documents and specifications***

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#### **Task 8 – Development of construction documents for GT Lohmeyer WWTP Stormwater Improvements**

- 8.1 CONSULTANT shall prepare civil engineering design plans for 100% submittals to City Staff for review.
  - 8.1.1 CONSULTANT shall prepare quantity and cost estimates for 100% submittal.
  - 8.1.2 Final design shall include revisions to plans per CITY comments and Permitting agency's comments.
  - 8.1.3 CONSULTANT shall prepare detailed Construction Documents and Specifications for bidding purposes.
  - 8.1.4 CONSULTANT shall attend Pre-Bid Meeting.
  - 8.1.5 CONSULTANT shall respond to questions and comments during bidding process and assist the CITY in preparing Addendums.
  - 8.1.5 CONSULTANT shall review submitted Bids for accuracy and pricing and present results to the CITY.

#### **Task 9 – Project coordination and information meetings**

- 9.1 CONSULTANT shall provide project coordination meetings at the following project milestones: 100% design.
  - 9.1.1 One meeting shall not extend more than 2 hours in duration and be charged per actual meeting duration.
  - 9.1.2 Any unused meeting time can be used for subsequent meetings if needed and as approved by CITY.
  - 9.1.3 CONSULTANT staff attending the meetings shall be approved by CITY prior to CONSULTANT conducting any meeting.
  - 9.1.4 CONSULTANT shall prepare meeting agenda and meeting minutes and submit to CITY for review.

#### **Task 10–Reimbursable**

- 10.1 Printing costs and postage are included in reimbursables and shall be billed per contract terms and agreement.

### ***PHASE IV – Construction Services***

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#### **Task 11 – Construction Administration**

- 11.1 CONSULTANT shall also review the shop drawings and submittals, answer RFI's, and respond to requests for changes.

#### **Task 12 – Construction Observation Services**

- 12.1 CONSULTANT shall provide field observation and inspection services for the proposed project. The field observations and inspections are estimated at twelve (12) hours per week for a construction period of nine (9) months for a senior inspector (468 hrs. total). Services include site visits, testing observation, attendance at meetings (up to 40 hours), coordination with contractor and city, part time on-site observations/verification of construction in progress (including specialized field tests) to determine if construction is proceeding in substantial accordance with the Contract Documents and consider and evaluate Construction Contractor's suggestions for modifications in drawings or specifications.



### **Task 13 – Project Closeout Services**

- 13.1 Before issuance of a determination of substantial completion or final completion, participate in a joint inspection with City and Contractor and assist in preparation of a list of items requiring completion or correction (punch-list) for approval by the City. Provide Construction Contractor with an approved copy of the punch list. Update punch-list as corrections are made. Participate in the final inspection. Assist the CITY with the review and approval of closeout document to include but not limited to change orders, final payments, final inspections and review as-builts for permitting and close out.

#### **Phase I Deliverables**

CONSULTANT shall provide the following deliverables to CITY for review and written approval:

- I. Conceptual Alternative to alleviate the flooding issues experienced within the Project Area.
- II. Alternative presented will have associated preliminary costs.

#### **Phase II Deliverables**

CONSULTANT shall provide the following deliverables to CITY for review and written approval:

- I. Design plans, design permits, reports, survey data for the GT Lohmeyer WWTP Stormwater Improvements to allow the City to bid out the construction of the project.
- II. All deliverables shall be submitted to the City FTP site. Create a new entry under Site manager and use the settings User Name: EngVendor; Password: #Structure#. Use folders to organize submittals (invoices, drawings, PDFs, excel, SWMM files, report, etc.)
- III. CONSULTANT shall deliver a schedule in Microsoft Project of the task order work break down as part of this task order for City review and approval. Schedule shall include deliverables dates, milestones, QA/QC time. City review time frame shall be not less than 7 business days per submittal, etc.
- IV. CONSULTANT shall deliver 30%, 75% plans, calculations and project reports of the design solution of the project.
- V. CONSULTANT shall deliver all project files in native format and upload to the City's FTP site at the 30%, 75% phases. All AutoCad files shall be 2014 or newer version and shall comply with the City's AutoCad standards.
- VI. CONSULTANT shall deliver permits issued from all permit agencies to the City.
- VII. At least two (2) Signed and Sealed hard copies of final plans and associated design reports or calculations.

#### **Phase III Deliverables**

- I. Design plans, design permits, reports, survey data for the GT Lohmeyer WWTP Stormwater Improvements to allow the City to bid out the construction of the project.
- II. All deliverables shall be submitted to the City FTP site. Create a new entry under Site manager and use the settings User Name: EngVendor; Password: #Structure#. Use folders to organize submittals (invoices, drawings, PDFs, excel, SWMM/ICPR files, report, etc.)

- III. CONSULTANT shall deliver a schedule in Microsoft Project of the task order work break down as part of this task order for City review and approval. Schedule shall include deliverables dates, milestones, QA/QC time, City review time frame not less than 7 business days per submittal, etc.
- IV. CONSULTANT shall deliver 100% plans, calculations and project reports of the design solution of the project.
- V. CONSULTANT shall deliver all project files in native format and upload to the City's FTP site at the 100% phase. All AutoCad files shall be 2014 or newer version and shall comply with the City's AutoCad standards.
- VI. CONSULTANT shall deliver permits issued from all permit agencies to the City.
- VII. At least two (2) Signed and Sealed hard copies of final plans and associated design reports or calculations.

#### **Phase IV Deliverables**

- I. Construction Administration including review of shop drawings, submittals, and RFI's.
- II. Project Certifications to permitting agencies based on information provided by Contractor. Well certifications by Contractor.

#### **PROJECT ASSUMPTIONS**

Specific assumptions for the project:

- ICPR shall be used to model the Stormwater Management System.
- CITY shall provide additional construction services during Construction to supplement CONSULTANTS staff.
- CITY shall provide all available information regarding the Project Area, As-builts, Atlases, Easements, Plats, etc. in Electronic and Hard Copy form.

#### **CONSULTANT'S RESPONSIBILITIES**

- CONSULTANT shall review all City, County State records, data and/or other documentation available to review land ownership, easements or other restrictions, provided by the CITY that may affect the project. CONSULTANT shall use survey equipment and data collection systems capable to deliver complete surveys and task order deliverables as stated by the scope of work section of this task order.
- CONSULTANT shall assist CITY in coordination with adjacent property owners- as applicable- to obtain access to project sites and to send deliverables of this task order to CITY.
- CONSULTANT shall prepare hydraulic, water quality, flood plain watershed modeling and analysis utilizing EPA's Storm Water Management Model (SWMM), ICPR or equal for the design of the stormwater solutions associated with the Project. CONSULTANT shall calibrate the models to be consistent with observable and proposed conditions.

### **CITY'S RESPONSIBILITIES**

- CITY will provide decision on preliminary design prior to the development of 30% design plans.
- The CITY's project manager, or a designated representative, will coordinate the project for the CITY.
- Meeting Attendance.
- Provide supplemental Construction Observation and Inspections services and Project Certifications.
- CITY will provide previous survey data, project records, drawings, reports, studies, etc.
- Timely review of submittals.
- Access to project site as required.
- Usual Open Hole Percolation Tests (Minimum 3) and Soil Borings. Locations to be determined.
- Permit Fees
- Reasonable Assurance Report and Well Certification fees for Class IV wells.

### **ADDITIONAL SERVICES**

If authorized in writing by the City as an amendment to this Task Order, the Consultant shall furnish, or obtain from others, Additional Services of the types as listed in the Master Agreement. The CITY, as indicated in the Master Agreement, will pay for these services.

### **PERFORMANCE SCHEDULE**

The CONSULTANT shall perform the services identified in Task 1 through 10 inclusive within 201 working days of written Notice to Proceed and Task 12 through 14 approximately eleven (11) months after the Construction Notice to Proceed as shown on the task order schedule on **Exhibit 2**.

### **METHOD OF COMPENSATION**

The services performed shall be accomplished using the Not to Exceed method of compensation. Reimbursable expenses associated with these services are not included in the fees and will be itemized separately, subject to an established Not to Exceed limit. A fee schedule and cost breakdown for reimbursable expenditures is included on **Exhibit 3**. CITY may process CONSULTANT invoices by percentage of task order completed, accepted and delivered as described in previous task order sections.

Billing shall be per the final negotiated not to exceed price. CITY will have to go back to the Commission for approval of the overall contract once the not to exceed price is detailed / documented and finalized to be incorporated in the contract. A detailed breakdown of price will need to be included as an exhibit in this task order.

CONSULTANT shall keep detailed timesheets of all hours spent for **GT Lohmeyer WWTP Stormwater Improvements**.

- Timesheets and back up billing documentation shall be submitted with each invoice.



**TERMS OF COMPENSATION**

Services shall be provided for the following Not to Exceed amounts as identified in **Exhibit 3**.

**Phase I**

GT Lohmeyer WWTP Stormwater Improvements Labor Effort is estimated at 88 hours and Not to Exceed amount of \$9,984.00.

*TOTAL PHASE I Not to Exceed Amount \$9,984.00*

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**Phase II**

GT Lohmeyer WWTP Stormwater Improvements Labor Effort is estimated at 368 hours and Not to Exceed amount of \$37,640.00.

Test Hole Locations are estimated at \$3,000

Reimbursables are estimated in the amount of \$500.00

*TOTAL PHASE II Not to Exceed Amount \$41,140.00*

**Phase III**

GT Lohmeyer WWTP Stormwater Improvements Labor Effort is estimated at 123 hours and Not to Exceed amount of \$13,000.00.

Reimbursables are estimated in the amount of \$500.00

*TOTAL PHASE III Not to Exceed Amount \$13,500.00*

**Phase IV**

GT Lohmeyer WWTP Stormwater Improvements Labor Effort is estimated at 650 hours and Not to Exceed amount of \$62,816.00.

*TOTAL PHASE IV Not to Exceed Amount \$62,816.00*

**CITY CONTACTS**

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to [AcctsPayable@FortLauderdale.gov](mailto:AcctsPayable@FortLauderdale.gov) after getting approval from the Project Manager. All other correspondence and submittals should be directed to the attention of Daniel Rey, at the address shown below.

Daniel Rey  
Project Manager II  
City of Fort Lauderdale  
City Hall, 4th Floor Engineering  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301  
[Drey@fortlauderdale.gov](mailto:Drey@fortlauderdale.gov)  
(954) 828-7150

Pedram Zohrevand, Ph.D., P.E.  
Assistant City Engineer  
City of Fort Lauderdale  
City Hall, 4th Floor Engineering  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301  
[PZohrevand@fortlauderdale.gov](mailto:PZohrevand@fortlauderdale.gov)  
(954) 828-6134

Annalise Mannix, P.E., M.S.  
Senior Project Manager  
Design Section, Public Works  
City of Fort Lauderdale  
100 N. Andrews Ave.  
Fort Lauderdale, FL 33301  
[Amannix@Fortlauderdale.gov](mailto:Amannix@Fortlauderdale.gov)  
(954) 828-4355

Michael Donaldson, PSL  
City Surveyor  
City of Fort Lauderdale  
City Hall, 4th Floor – Engineering  
100 North Andrews Avenue  
Fort Lauderdale, FL 33301

**CONSULTANT CONTACTS**

CONSULTANT Name Craven Thompson & Associates  
CONSULTANT Address 3563 NW 53<sup>rd</sup> Street Fort Lauderdale, FL 33309  
CONSULTANT Project Manager Name: Patrick J. Gibney, P.E.  
CONSULTANT Project Manager Email: [pgibney@craventhompson.com](mailto:pgibney@craventhompson.com)  
CONSULTANT Project Manager Phone: 954-739-6400  
CONSULTANT Project Manager Fax: 954-739-6409

**Department Signatures**

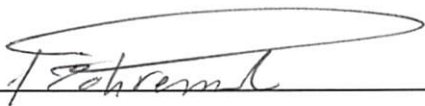
Approved by:

 05/21/15

Daniel Rey, E.I.  
Project Manager

Date:

Approved by:



Pedram Zohverand, Ph.D., P.E.  
Assistant City Engineer

Date:

5/21/15

Approved by:

 5/21/15

Hardeep Anand, P.E.  
Public Works Director

Date:



CITY

IN WITNESS OF THE FOREGOING, the parties have set their hands and seals the day and year first above written.

CITY OF FORT LAUDERDALE, a municipal corporation of the State of Florida:

By   
LEE R. FELDMAN, City Manager




ATTEST:



ASSI City Clerk

JEFFREY A. MODARELLI

Approved as to form:



RHONDA MONTOYA HASAN  
Assistant City Attorney



**CONSULTANT**

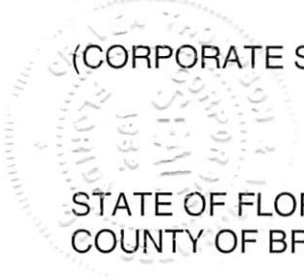
WITNESSES:

Tamy Taylor  
Signature  
TAMY TAYLOR  
Print Name

Craven Thompson & Associates Inc.  
By: [Signature]  
 Thomas McDonald, President or  
 Richard Pryce, Vice President or  
 Patrick J. Gibney, Vice President

Jennifer MacDonal  
Signature  
Jennifer MacDonal  
Print Name

ATTEST:  
By: [Signature]  
Joseph D. Handley, Secretary



(CORPORATE SEAL)

STATE OF FLORIDA:  
COUNTY OF BROWARD:

The foregoing instrument was acknowledged before me this 22nd day of May, 2015, by PATRICK J. GIBNEY as VICE PRESIDENT of Craven, Thompson & Associates, Inc., a Florida corporation, who is  personally known to me or  has produced \_\_\_\_\_ as identification.

(SEAL)



[Signature]  
Notary Public, State of Florida  
(Signature of Notary taking Acknowledgement)  
PATRICIA D. JOYCE  
Name of Notary Typed, Printed or Stamped  
3/23/2018  
My Commission Expires  
FF 073030  
Commission No.





**EXHIBITS**

**Exhibit 1 Location Map**

**Exhibit 2 Project Schedule**

**Exhibit 3 Work Break Down Fee Schedule**

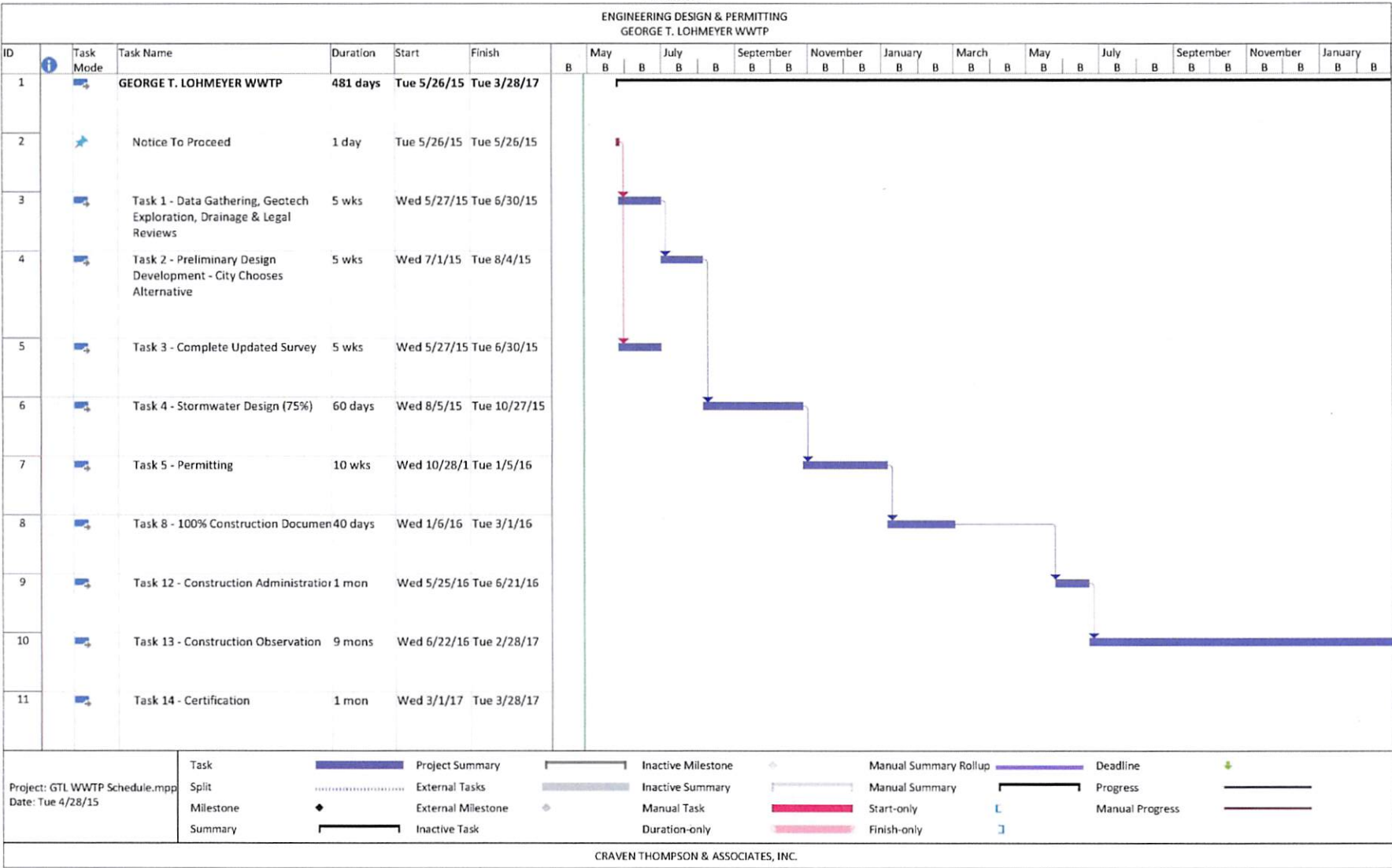
**EXHIBIT 1**



George T. Lohmeyer WWTP Work Limits



EXHIBIT 2



42612415

OT Lohmeyer WWTP City of Fort Lauderdale  
City Project No. 12106  
Task Order No. 1

EXHIBIT 3 PHASE I - FEASIBILITY ANALYSIS  
CONSULTANT WORK BREAKDOWN AND FEE SCHEDULE

Hourly Rate	CRAVEN THOMPSON										INF RMAP		SUB-TOTAL HOURS	SUB-TOTAL FEES		
	Principal Engineer	Clerical	Sr. Supervising Engineer	Senior Engineer	Project Engineer	Sr. CAD/D Techs	Principal Surveyor	Professional Land Surveyor	Sr. Engineer (Construction)	Sr. Field Representative	2 Man Survey Crew	Laser Survey Crew			Test Hole	
2	\$1,900.00	\$500.00	4	12	24	8	8	0	0	0	0	0	0	0	42	\$4,912.00
2	\$1,900.00	\$500.00	4	8	24	8	0	0	0	0	0	0	0	0	46	\$5,072.00
															88	\$9,984.00

PHASE II  
CONSULTANT WORK BREAKDOWN AND FEE SCHEDULE

Hourly Rate	CRAVEN THOMPSON										INF RMAP		SUB-TOTAL HOURS	SUB-TOTAL FEES		
	Principal Engineer	Clerical	Sr. Supervising Engineer	Senior Engineer	Project Engineer	Sr. CAD/D Techs	Principal Surveyor	Professional Land Surveyor	Sr. Engineer (Construction)	Sr. Field Representative	2 Man Survey Crew	Laser Survey Crew			Test Hole	
2	\$1,900.00	\$500.00	16	32	40	64	20	0	0	0	0	0	0	0	140	\$13,400.00
2	\$1,900.00	\$500.00	4	16	24	8	0	0	0	0	0	0	0	0	52	\$10,600.00
2	\$1,900.00	\$500.00	8	0	8	0	0	0	0	0	0	0	0	0	24	\$45,000.00
															356	\$411,400.00

PHASE III  
CONSULTANT WORK BREAKDOWN AND FEE SCHEDULE

Hourly Rate	CRAVEN THOMPSON										INF RMAP		SUB-TOTAL HOURS	SUB-TOTAL FEES		
	Principal Engineer	Clerical	Sr. Supervising Engineer	Senior Engineer	Project Engineer	Sr. CAD/D Techs	Principal Surveyor	Professional Land Surveyor	Sr. Engineer (Construction)	Sr. Field Representative	2 Man Survey Crew	Laser Survey Crew			Test Hole	
2	\$1,900.00	\$500.00	0	16	40	24	0	0	0	0	0	0	0	0	86	\$9,840.00
2	\$1,900.00	\$500.00	0	11	8	0	0	0	0	0	0	0	0	0	27	\$3,360.00
															123	\$13,500.00

PHASE IV  
CONSULTANT WORK BREAKDOWN AND FEE SCHEDULE

Hourly Rate	CRAVEN THOMPSON										INF RMAP		SUB-TOTAL HOURS	SUB-TOTAL FEES		
	Principal Engineer	Clerical	Sr. Supervising Engineer	Senior Engineer	Project Engineer	Sr. CAD/D Techs	Principal Surveyor	Professional Land Surveyor	Sr. Engineer (Construction)	Sr. Field Representative	2 Man Survey Crew	Laser Survey Crew			Test Hole	
2	\$1,900.00	\$500.00	6	4	12	144	0	0	0	0	0	0	0	0	42	\$4,712.00
2	\$1,900.00	\$500.00	0	4	24	8	0	0	0	0	0	0	0	0	538	\$50,752.00
2	\$1,900.00	\$500.00	0	4	8	0	0	0	0	0	0	0	0	0	70	\$7,262.00
															0	\$0.00
															550	\$67,966.00

TOTAL HOURS	10	24	64	147	169	144	0	20	80	492	90	0	0	0	43	2,000
TOTAL FEE	\$1,200	\$1,200	\$9,600	\$17,640	\$17,640	\$11,520	\$0	\$2,200	\$9,600	\$44,200	\$9,000	\$0	\$0	\$0	\$3,200	

Construction Schedule Certification Package 278 Days 39 Weeks 4 Weeks  
Task 14 is based on 12 hours per week for a Senior Inspector for the 39 week Construction Period plus Supervision

	HOURS	LABOR	REIMBURSABLE	TESTS
PHASE I	88	\$9,984		
PHASE II & III	491	\$60,640	\$1,000.00	\$3,000
PHASE IV	650	62,816		
<b>TOTAL</b>		<b>\$127,440.00</b>		



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
5/12/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Corporate Insurance Advisors 1401 E Broward Blvd Suite 103 Ft. Lauderdale FL 33301	<b>CONTACT NAME:</b> Angela Nervi-Saketkoo <b>PHONE (A/C, No, Ext):</b> (954) 315-5000 <b>E-MAIL ADDRESS:</b> ANervi@ciafl.net	<b>FAX (A/C, No):</b> (954) 315-5050
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> Craven Thompson & Associates, Inc. 3563 NW 53rd Street Fort Lauderdale FL 33309	<b>INSURER A:</b> Hartford Insurance Co	<b>NAIC #</b> 29424
	<b>INSURER B:</b> Hanover Insurance Company	<b>NAIC #</b> 22292
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES**      **CERTIFICATE NUMBER:** 15-16      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			21UUNZP1507	12/1/2014	12/1/2015	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Employee Benefits \$ 1,000,000
A	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			21UUNZP1507	12/1/2014	12/1/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ Uninsured motorist property \$
A	<input checked="" type="checkbox"/> <b>EXCESS LIAB</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			21XHUZP1253	12/1/2014	12/1/2015	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	21WEAL9636	1/1/2015	1/1/2016	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	<b>Professional Liability</b> Deductible: \$50,000			LHJA59118000	3/30/2015	3/30/2016	Each Claim \$2,000,000 Aggregate \$4,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 RE: GT Lohmeyer Stormwater Improvements  
 30 day notice of cancellation, except 10 day notice of cancellation for non-payment of premium.

<b>CERTIFICATE HOLDER</b>  City of Fort Lauderdale Public Works Department 100 North Andrews Avenue Fort Lauderdale, FL 33301	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	<b>AUTHORIZED REPRESENTATIVE</b>  Mark Schwartz/ANGELA <i>Mark R. Schwartz</i>

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## COMMENTS/REMARKS

City of Fort Lauderdale is an additional insured as respects general liability when required by written contract.