



DOCUMENT ROUTING FORM

Today's Date: 6/24/16

③ ✓ 6/28/16

DOCUMENT TITLE: TASK ORDER NO. 11 WITH KEITH AND SCHNARS, P.A. FOR 915 NE 3 AVE. STORMWATER IMPROVEMENTS

COMM. MTG. DATE: 6/21/16 CAM #: 16-0489 ITEM #: CM-15 CAM attached: ☒ YES ☐ NO

Routing Origin: PW Router Name/Ext: Kian Action Summary attached: ☐ YES ☐ NO

CIP FUNDED: ☒ YES ☐ NO

Capital Investment / Community Improvement Projects defined as having a life of at least 10 years and a cost of at least \$50,000 and shall mean improvements to real property (land, buildings, or fixtures) that add value and/or extend useful life, including major repairs such as roof replacement, etc. Term "Real Property" include: land, real estate, realty, or real.

1) City Clerk's Office: Granicus document attached: ☐ YES ☐ NO # of Originals routed: _____
Date to CAO: _____

2) City Attorney's Office: Documents to be signed/routed? ☐ YES ☐ NO # of originals attached: 3

Is attached Granicus document Final? ☐ YES ☐ NO Approved as to Form: ☐ YES ☐ NO

Date to CCO 6/24/16

Rhonda
Attorney's Name

[Signature]
Initials

3) City Clerk's Office: # of originals: _____ Routed to: Name/Dept/Ext _____ Date: _____

4) Dept: _____ Router Name/Ext: _____ # of originals routed: _____ Date to CCO: _____

5) City Clerk's Office: # of originals: 3 Routed to: Gina Ri/CMO/X5013 Date: 6/24/16

6) City Manager's Office: CMO LOG #: JUN 5 4 Document received from: CCO

Assigned to: L. FELDMAN ☐ S. HAWTHORNE ☐ C. LAGERBLOOM ☐
L. FELDMAN as CRA Executive Director ☐

☐ APPROVED FOR LEE FELDMAN'S SIGNATURE ☐ N/A FOR L. FELDMAN TO SIGN

PER ACM: S. HAWTHORNE _____ (Initial/Date) C. LAGERBLOOM _____

(Initial/Date) ☐ PENDING APPROVAL (See comments below)

Comments/Questions: _____

Forward 3 originals to ☐ Mayor ☒ CCO Date: 6/27/16

7) Mayor/CRA Chairman: Please sign as indicated. Forward _____ originals to CCO for attestation/City seal (as applicable) Date: _____

8) City Clerk's Office: Retains 1 original and forwards 2 original(s) to: Kian (Name/Dept/Ext)
Return one fully executed original to CCO ☐ YES ☒ NO Attach _____ certified Reso # _____ ☐ YES ☒ NO
Original Route form to CCO



PUBLIC WORKS

ROUTING FORM FOR TASK ORDERS – COMMISSION APPROVAL

Project/Contract Number:	626-10881-5	CMO Log #:	
Document Title:	915 NE 3 rd Avenue Stormwater Improvements Keith and Schnars P.A. T.O. #11	Attached:	<input checked="" type="checkbox"/> 3 original
Department:	Public Works - Engineering	Contact:	Daniel Rey
Corresponding CAM #:	16-0489	Contact #:	7150
Commission Date:	6/21/2016	Item:	

Purpose: This Project is part of the Stormwater master Plan Phase I for drainage improvements within the neighborhood referred to as Progresso Village. Currently, storm related flooding is affecting both public and private properties in the area creating ponding which persists for more than 72 hours after the initial rainfall. During higher intensity storm events, the peak flood stages exceed the existing buildings' finished floor elevations. It is also affecting the public's ability to safely access the road. The primary flooding issues occur at the intersection of NE 3rd Avenue and NE 9th Street.

FUNDING INFORMATION

CIP Funded Project:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Amount Required by Task Order:	\$114,743.88
Index/Sub Object Code:	P12064.470/6534
Engineering Finance Approval Sign:	Neil Thomas

APPROVAL ROUTING –PUBLIC WORKS

	Approved:	Disapproved:	Signature/Initials
Paul Berg, Acting Public Works Director	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Paul G. Berg

APPROVAL ROUTING –FINANCE DEPARTMENT

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

APPROVAL ROUTING – CITY ATTORNEY'S OFFICE

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

APPROVAL ROUTING – CITY MANAGER'S OFFICE

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

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. 11

Dated this 21st day of June, 2016

FORT LAUDERDALE PUBLIC WORKS DEPARTMENT

915 NE 3RD AVENUE STORMWATER IMPROVEMENTS

PROFESSIONAL SERVICES

This Task Order between the City of Fort Lauderdale, a Florida municipal corporation ("CITY") and KEITH and SCHNARS, P.A. a Florida corporation authorized to transact business in Florida, ("CONSULTANT") is pursuant to the Continuing Contract for Civil Engineering Consultant Services Agreement (No. 626-10881-5) dated November 6, 2012, extended by the City Commission on October 20, 2015 and expiring on November 5, 2016 ("MASTER AGREEMENT").

PROJECT BACKGROUND

This Project is part of the Stormwater Master Plan Phase I for drainage improvements within the neighborhood referred to as Progresso Village. The project area is approximately 10 acres and is bounded by Sunrise Boulevard to the north, NE 2nd Avenue to the west, Progresso Drive to the southeast, and NE 4th Avenue to the northeast. Currently, storm related flooding is affecting both public and private properties in the area, creating ponding which persists for more than 72 hours after the initial rainfall. In addition, during higher intensity storm events the peak flood stages exceed the existing buildings' finished floor elevations. It is also affecting the public's ability to safely access the road. The primary flooding issues occur at the intersection of NE 3rd Avenue and NE 9th Street.

The following concerns have been stated by residents and verified by Public Works staff:

- a. Frequent flooding and ponding occurs during most stormwater events due to inadequate drainage infrastructure.
- b. Deep water on the street prevents the residents from entering and exiting their properties during storm events, forcing pedestrian and vehicle traffic to the center line of road to avoid deep waters.
- c. Existing stormwater infrastructure is impacted by high tides through a connection to the New River and Middle River.
- d. The CITY's existing stormwater infrastructure becomes overloaded during high tide events, and is additionally impacted by runoff from a drainage connection to the Broward County stormwater system.

PROJECT DESCRIPTION

The project includes the design of stormwater improvements to address documented flooding issues in the project area. Specifically, the design will be aimed at improving the flooding condition in the right-of-ways in the tributary area and meeting a level of service (LOS) of a 10 year 1 day storm event.

The project area is located within the Progresso Neighborhood (see "Exhibit 1" for project location). This Task Order consists of a drainage analysis of the existing stormwater conveyance system to determine solutions for flooding specific to the project area. A proposed drainage system analysis and recommended design (plans and specifications) shall be provided as part of the full drainage report. The design may include a drainage well and exfiltration trenches while allowing for future infrastructure implementation such as pump stations.

GENERAL REQUIREMENTS

Design Standards

The CONSULTANT shall be solely responsible for ensuring all the standards the work requires are met and obtain all the requisite regulatory approvals. The design shall include, but is not limited to, the plans and specifications which describe all systems, elements, details, components, materials, equipment, and other information necessary for construction. The design shall be accurate, coordinated and in all respects adequate for construction and shall be in conformity, and comply with all applicable law, codes, permits, and regulations.

Quality Control

The CONSULTANT is responsible for the quality control (QC) of their work and of its sub-consultants. The CONSULTANT shall provide to the City the list of sub-consultants which shall be used for this project. This list shall not be changed without prior approval of the CITY. All sub-consultant documents and submittals shall be submitted directly to the CONSULTANT for their independent QC review. The City shall only accept submittals for review and action from the CONSULTANT.

The CONSULTANT shall be responsible for the professional quality, technical accuracy, and coordination of all pre-design services, designs, drawings, specifications, and other services furnished by the CONSULTANT and their sub-consultant(s). It is the CONSULTANT's responsibility to independently and continually QC their plans, specifications, reports, electronic files, progress payment applications, schedules, and all project deliverables required by this Task Order. The CONSULTANT shall provide the CITY with a marked up set of plans and/or specifications showing the CONSULTANT's QC review. Such mark-ups shall accompany the CONSULTANT's scheduled deliverables. The submittal shall include the names of the CONSULTANT's staff that performed the QC review for each component (structures, roadway, drainage, etc.).

Project Schedule

The CONSULTANT shall submit a preliminary project schedule as an exhibit to this Task Order. The schedule shall be prepared in Microsoft Project, and it shall include a work breakdown structure (WBS) with sufficient decomposition to track progress of the work packages forming

the scope of work of the task order. The preliminary schedule utilizes an estimated Notice-To-Proceed (NTP) date based on best available information.

The CONSULTANT shall develop a final project schedule with the CITY's Project Manager within five business days after receiving the official NTP from CITY and prior to the CONSULTANT beginning work. The final schedule shall include design and permitting activities, review submittal timeframes, and other project activities as applicable. The final schedule shall be prepared in Microsoft Project. The CONSULTANT shall submit updated project schedules as indicated in the specific scope of services.

Permitting

The CONSULTANT shall conduct all the necessary coordination with CITY and all regulatory agencies that have an interest, jurisdiction over and may require permits for the project. During the cost and schedule estimation preparation, the CONSULTANT shall provide an estimate for costs and duration needed for the CONSULTANT to obtain all approvals/permits from all CITY and non-CITY departments/agencies having an interest or jurisdiction over this project. Some of the permitting agencies may include, but are not limited to:

- a. South Florida Water Management District (SFWMD)
- b. Broward County Environmental Licensing and Building Permitting Division (ELBPD)
- c. Fort Lauderdale Development Review Committee (DRC)
- d. Fort Lauderdale Planning and Zoning Board

SPECIFIC SCOPE OF SERVICES AND DELIVERABLES

This Task Order will cover all engineering services required to perform a drainage study and design solution for the existing stormwater drainage system that serves the intersection of NE 3rd Avenue and NE 9th Street. The CONSULTANT is responsible for all work of their subconsultants/subcontractors to meet the deliverables included on this Task Order.

The scope of services to be provided by the CONSULTANT shall be as follows:

TASK 1 – 30% DESIGN SUBMITTAL

- 1.1. **30% Drainage Report** – The CONSULTANT shall review and extend the initial engineering investigation from previous consultant's reports to prepare a drainage analysis to determine drainage improvements required to satisfy the CITY's floodway protection criteria. The proposed drainage system shall comply with South Florida Water Management District (SFWMD), Broward County Surface Water Management Division (BCSWM), and the Florida Department of Environmental Protection (FDEP). The CONSULTANT shall utilize record drawings, survey data, and an existing drainage analysis created by other consultants provided by the CITY to conduct a drainage analysis of the project limits. The analysis shall provide guidance in identifying the drainage system deficiencies near NE 3rd Avenue and NE 9th Street. This study shall be developed using ICPR hydraulic software. High resolution BC GIS aerial imagery shall be used to develop a land use area breakdown. CONSULTANT shall prepare a summary report with the findings of the analysis including a description of the existing conditions, a model input summary, a post-model of potential improvements, and a recommendation for effective improvements that coincide with

the CITY's needs. Within 10 working days of receiving the drainage report submittal, the CITY shall inform the CONSULTANT with a recommendation on how to proceed with the proposed design. CONSULTANT shall also obtain all necessary approvals from the CITY prior to proceeding with a design alternative. CONSULTANT shall contract with a subcontractor for Subsurface Utility Exploration (SUE) in locations that have a high probability of potential utility conflicts. This task shall include up to ten (10) test holes in locations determined by the CONSULTANT.

1.1.1. **Design Alternative 1** – CONSULTANT shall include in the 30% drainage report a design that meets the CITY's road protection criteria (10 year – 1 day storm event), including the use of stormwater injection wells.

1.1.2. **Design Alternative 2** – CONSULTANT shall include a design alternative that best meets the Level of Service (LOS) corresponding to the available construction budget.

1.2. **Hydrogeological** – Hydrogeological work will be performed by a subconsultant, Terracon Consultants, Inc. (Terracon). The Reasonable Assurance Report (RAR) will ensure that discharge will occur below a semi-confining layer into a G-III aquifer (Total Dissolved Solids [TDS] concentration greater than 10,000 milligrams per liter) as dictated by the Florida Administrative Code (FAC). The RAR will be required for permitting through FDEP.

1.3. **30% Construction Documents** – The CONSULTANT shall attend a coordination meeting with the CITY to finalize the preliminary design drawings. CITY shall inform the CONSULTANT within 10 days of receiving the 30% drainage report and cost estimate submittals on how to proceed with the proposed design. CONSULTANT shall also obtain all necessary approvals from the CITY prior to proceeding with a design alternative. CONSULTANT shall prepare and submit meeting minutes.

1.4. **30% Cost Estimate** – The CONSULTANT shall prepare a preliminary cost estimate based on the 30% drainage report for both Design Alternative 1 and Design Alternative 2. CONSULTANT shall work with the CITY to bring the project within the available construction budget.

1.5. **Project Schedule Update** – The CONSULTANT shall update the approved schedule and task order breakdown as part of this Task Order for CITY review and approval. The updated schedule shall include deliverable dates, milestones, and QA/QC time. CITY review time frame shall not be less than seven business days per submittal. The approved schedule baseline will only change due to unforeseen conditions or for causes beyond the CONSULTANT control. All subcontractors shall agree to schedule prior to Task Order approval. Any change in the schedule baseline shall be approved by the CITY. Schedule shall be delivered in MS Project file and PDF file types.

1.6. The CONSULTANT shall attend one (1) coordination meeting with the CITY to address review comments. CONSULTANT shall prepare the agenda, record, and submit meeting minutes to the CITY.

Task 1 Deliverables:

- One set of 10% Review Plans in electronic and 24"x36" paper format

- One set of 30% drainage report and electronic copies of all files in original format and PDFs
- One (1) copy of the 30% cost estimate for:
 - Design Alternative 1
 - Design Alternative 2
- One (1) Reasonable Assurance Report
- One (1) signed/sealed Geotechnical report with recommendations for well design
- One original set (24"x36") of the 30% design package and electronic copies of all files in original format and PDFs
- One (1) copy of the updated project schedule on a monthly basis

Not to Exceed: \$52,353.88

TASK 2 – 90% DESIGN SUBMITTAL

2.1. 90% Construction Documents – The CONSULTANT shall provide full design alternative plans and specification including Paving Grading and Drainage (PGD) Plans, Stormwater Pollution Prevention Plans, Maintenance of Traffic (MOT) Plans, Paving Grading and Drainage Details, Demolition Plans, Pavement Marking and Signage (PMS) Plans (if applicable), Utility Relocations Plans (if applicable), and Specifications. Plans shall include 30% markups provided by the CITY.

2.2. Permitting and Approvals – The CONSULTANT shall obtain permits and approvals for 915 NE 3rd Avenue Stormwater Improvements to allow the CITY to bid out the construction of the project. This includes responding to all permitting agencies' comments. This item does not include permit fees, which are reimbursable expenses paid per contract agreement clauses. The permitting and approval agencies may include but are not limited to:

- 2.2.1. FDEP Underground Injection Control
- 2.2.2. SFWMD
- 2.2.3. Environmental Licensing and Building Permitting Division (BCELBPD)
- 2.2.4. City of Fort Lauderdale Engineering and Building Departments
- 2.2.5. City of Fort Lauderdale Development Review Committee
- 2.2.6. City of Fort Lauderdale Planning And Zoning

2.3. Project Schedule – The CONSULTANT shall update and submit in MS Project file and PDF file, the project schedule on a monthly basis.

2.4. The CONSULTANT shall attend one (1) coordination meeting with the CITY to address review comments. The CONSULTANT shall prepare the agenda, record and submit meeting minutes.

Task 2 Deliverables:

- Three (3) Original sets of the 90% design package signed and sealed, together with an electronic copy
- All applicable permits and approvals include but are not limited to the following:
 - FDEP Underground Injection Control Permit
 - Environmental Resource Permit

- Surface Water License
- Engineering and CITY Building Department
- One (1) copy of the updated project schedule on a monthly basis

Not to Exceed: \$38,810.00

TASK 3 – 100% DESIGN SUBMITTAL

3.1. 100% Construction Documents – The CONSULTANT shall submit Paving Grading and Drainage (PGD) Plans, Stormwater Pollution Prevention Plans, Maintenance of Traffic (MOT) Plans, Paving Grading and Drainage Details, Demolition Plans, Pavement Marking and Signage (PMS) Plans (if applicable), Utility Relocations Plans (if applicable), and Specifications. CONSULTANT shall coordinate specifications and drawings and prepare construction drawings based on design development drawings. Drawings shall incorporate final mark-ups made by the CITY (including 30% and 90% mark-ups), and all regulatory agencies' comments will be implemented. The CONSULTANT shall apply sustainable design principles. The CONSULTANT shall conduct and respond to constructability reviews made by the CITY on the 100% document submittals.

3.1.1. 100% Cost Estimate – The CONSULTANT shall prepare the cost estimate at 100% of the construction drawings and shall propose and make changes to the design if required to bring it within the construction budget.

3.1.2. 100% Drainage Report – The CONSULTANT shall prepare a final drainage report based on the existing conditions and the proposed design in order to determine the drainage requirements and the cost of the project. The final drainage report shall justify the final proposed solution. It shall also compile challenges, alternative designs, and recommendations. The proposed drainage system must be adequate based on South Florida Water Management District (SFWMD) criteria, Broward County criteria, and must satisfy LOS set forth by the CITY from the 30% design submittal.

3.2. The CONSULTANT shall attend one (1) coordination meeting with the CITY to address review comments. CONSULTANT shall prepare the agenda, record and submit meeting minutes.

Task 3 Deliverables:

- Three (3) original sets signed and sealed of the 100% design package, together with an electronic copy in original format and PDFs
- One (1) copy of the construction cost estimate
- One (1) copy of the 100% drainage report
- Updated project schedule on a monthly basis

Not to Exceed: \$23,580.00

PROJECT ASSUMPTIONS

Specific assumptions for the project:

- The CONSULTANT shall coordinate with CITY and/or property owners to obtain access to properties as needed.
- The CONSULTANT shall review City, County, and State records, data and/or the prior engineering analysis and derive the appropriate engineering solution to address the flooding. CONSULTANT shall prepare hydraulic, water quality, flood plain watershed modeling and analysis utilizing ICPR IV for the preparation of the recommended alternatives associated with the stormwater management system within the project's tributary area. CONSULTANT shall calibrate the models to be consistent with observable conditions.
- CONSULTANT shall provide all ICPR files in original format to be used by CITY at its own discretion for all future projects.
- CITY will provide the existing SWMM (*.inp) file from the CDM Stormwater Master Plan.
- CONSULTANT shall provide all subcontractors and equipment necessary to conduct all tasks included in this Task Order.

CITY'S RESPONSIBILITIES

- CITY shall provide all available existing survey data, project records, drawings, reports, studies, etc.
- The CITY's Project Manager, or a designated representative, will coordinate the project for the CITY.
- The CITY will provide decision on which design alternative to proceed with for the development of the design plans.
- CITY shall provide payment for all applicable permit fees.
- CITY shall provide meeting attendance within a reasonable period upon request.
- CITY shall provide timely review of submittals.

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 will pay for these additional services as stipulated in the Master Agreement.

The following services are NOT included in this proposal and will be considered Additional Services, which will be addressed in a separate contractual agreement. The services include but are not limited to:

- A pressurized drainage well design with a pump station.
- Architectural, non-civil structural (i.e. very large retaining walls, bridges, docks, etc.), power, gas, telephone, cable television, site lighting services.
- Construction quality control inspections.
- Off-site engineering and negotiations for off-site easements, if required (other than as specified in the Scope of Services).

- Professional land surveying not included in the scope of services (i.e., sealed survey, easement research, condominium documents,).
- Professional services required due to conditions different from those itemized under the Scope of Services or due to events reasonably beyond the control of Keith and Schnars, P.A.
- Professional services required, due to significant changes in the site plan initiated by the CITY after either design or preparation of the construction drawings has commenced.
- Construction services other than those specifically stated in the above scope of services.

PERFORMANCE SCHEDULE

The CONSULTANT shall perform the services identified in Task 1 through 3 inclusive within 170 working days of the written Notice-To-Proceed as shown on the schedule in Exhibit "2".

METHOD OF COMPENSATION

The services performed will be accomplished using the Not-To-Exceed method of compensation. The total hourly rates payable by the CITY for each of CONSULTANT's employee categories, reimbursable expenses, if any, and sub-consultant fees, if any, are shown on "Exhibit 3" attached hereto and made a part hereof this Task Order. Pay application requests shall be prepared with the approved CITY's pay application request format. The CONSULTANT shall submit the pay application request to the CITY's Project Manager for review and approval on a monthly basis. Once the CITY's Project Manager approves the CONSULTANT's pay application request, the CONSULTANT may submit it to the CITY's account payable department via email (AcctsPayable@fortlauderdale.gov). Pay application requests shall be submitted monthly or as allowed by the CITY's Project Manager.

CONSULTANT shall submit the following back up documentation with each pay application request(s):

- A task order progress report noting work completed, pending, risks, issues or input needed from CITY.
- Timesheets of CONSULTANT staff and sub-consultant staff, verifying hours billed in the pay application request.
- Updated schedule in MS Project.

CITY will only process CONSULTANT pay application requests by percentage of task order completed, accepted, and delivered as described in the task order sections.

TERMS OF COMPENSATION

Services will be provided for the following Not-to-Exceed amounts:

Task No	Task Title	Labor Fees		Total	Payment Method
		Consultant	Subconsultant		
11001	30% DESIGN SUBMITTAL	\$25,260.00	\$27,093.88	\$52,353.88	Not to Exceed
11002	90% Design Submittal	\$32,810.00	\$6,000.00	\$38,810.00	Not to Exceed
11003	100% Design Submittal	\$21,480.00	\$2,100.00	\$23,580.00	Not to Exceed
TOTAL				\$114,743.88	Not to Exceed

CITY CONTACTS

Requests for payments should be directed to City of Fort Lauderdale Accounts Payable via e-mail to AcctsPayable@FortLauderdale.gov. All other correspondence and submittals should be directed to the attention of Daniel Rey, Project Manager, at the address shown below. **Please be sure that all correspondence refers to the CITY project number and title as stated above.**

Daniel Rey, E.I.
 Project Manager II
 City of Fort Lauderdale
 City Hall, 4th Floor Engineering
 100 North Andrews Avenue
 Fort Lauderdale, FL 33301
 954-828-7150
Drey@fortlauderdale.gov

Annalise Mannix, P.E., PMP
 Senior Project Manager
 City of Fort Lauderdale
 City Hall, 4th Floor Engineering
 100 N. Andrews Ave.
 Fort Lauderdale, FL 33301
 (954) 828-4355
AMannix@Fortlauderdale.gov

CONSULTANT CONTACTS

Jake Ozyman, P.E.
 Director of Civil Engineering
 6500 North Andrews Avenue
 Fort Lauderdale, FL 33309
 Email: jozyman@ksfla.com
 Phone: (954) 776-1616
 Fax: (954) 351-764

CITY

IN WITNESS WHEREOF, the parties hereto have set their hands and seals as of the date first above written.

ATTEST:

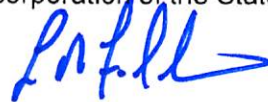


JEFFREY A. MODARELLI
City Clerk

(SEAL)

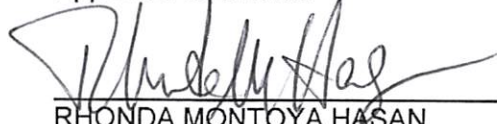


CITY OF FORT LAUDERDALE, a municipal
corporation of the State of Florida.



LEE R. FELDMAN, City Manager

Approved as to form:



RHONDA MONTOYA HASAN
Assistant City Attorney

CONSULTANT

WITNESSES:



Signature

Errol S. Kalayci

Print Name



Signature

CHRIS PAPAYTRATIS

Print Name

Keith and Schnars, P.A., a Florida corporation

By:



Errol S. Kalayci, Esq.

Vice President and COO

By:



Tanzer H. Kalayci, P.E.

President and CEO

(CORPORATE SEAL)

STATE OF FLORIDA:

COUNTY OF BROWARD:

The foregoing instrument was acknowledged before me this 8th day of JUNE, 2016, by ERROL + TANZER as PRES. VP + CEO of Keith and Schnars, P.A., a Florida corporation, who is ☒ personally known to me or ☐ has produced _____ as identification.

(SEAL)

Donna M. Souza
Notary Public, State of Florida
(Signature of Notary taking Acknowledgement)

DONNA M. SOUZA
Name of Notary Typed, Printed or Stamped

3/18/2020
My Commission Expires

FF 946735
Commission No.



Exhibit 1: Location Map



**FORT LAUDERDALE PUBLIC WORKS DEPARTMENT
915 NE 3RD AVENUE STORMWATER IMPROVEMENTS**

ID	Task Name	Duration	Start	Finish	Predecessors
1	535 NE 3rd Avenue - Stormwater Improvements 121 days	Mon 5/2/16 Mon 8/1/16			
2	Task 1 - 30% Design Submittal	40 days	Mon 5/2/16	Fri 6/24/16	
3	Geotechnical Investigation - Field Work, Analysis of Findings, RAR	10 days	Mon 5/2/16	Fri 5/13/16	
4	Review, Analysis and Modeling of Existing Conditions	5 days	Mon 5/2/16	Fri 5/20/16	
5	Review by City of Fort Lauderdale	10 days	Mon 5/23/16	Fri 6/9/16	
6	30% Design of Proposed Improvements, Modeling, Preparation of Construction Documents and Cost Estimate	15 days	Mon 6/6/16	Fri 6/24/16	
7	Internal Review - QA/QC	2 days	Mon 6/27/16	Tue 6/28/16	
8	Project Schedule Update	1 day	Wed 6/29/16	Wed 6/29/16	
9	Review by City of Fort Lauderdale	7 days	Thu 6/30/16	Fri 7/8/16	
10	Task 2 - 50% Design Submittal	35 days	Mon 7/11/16	Fri 8/26/16	
11	Preparation 50% Construction Documents, 25 days 50% Cost Estimate	25 days	Mon 7/11/16	Fri 8/26/16	
12	Internal Review - QA/QC	2 days	Mon 8/1/16	Tue 8/2/16	
13	Review by City of Fort Lauderdale	7 days	Wed 8/3/16	Mon 8/29/16	
14	Permitting	20 days	Fri 8/26/16	Thu 9/22/16	
15	Project Schedule Update	1 day	Fri 9/23/16	Fri 9/23/16	
16	Task 3 - 100% Design Submittal	33 days	Thu 9/1/16	Mon 10/17/16	
17	Preparation 100% Construction Documents, 10 days 100% Cost Estimate, Final Drainage Report	10 days	Thu 8/25/16	Wed 9/7/16	
18	Internal Review - QA/QC	2 days	Thu 9/8/16	Fri 9/9/16	
19	Project Schedule Update	1 day	Mon 9/19/16	Mon 9/19/16	
20	Bidding Assistance	20 days	Tue 9/20/16	Mon 10/17/16	

Legend:

- Task
- Milestone
- Summary
- Inactive Task
- Inactive Milestone
- Inactive Summary
- Inactive Task
- Duration-only
- Manual Summary Backup
- Start-only
- End-only
- External Milestone
- Critical Split
- Progress
- Manual Progress

Page 1

Task 1 - 30% DESIGN SUBMITTAL															
Item	Description	Unit	Quantity	Rate	Amount	Unit	Quantity	Rate	Amount	Unit	Quantity	Rate	Amount	Unit	Quantity
11001	Geotechnical Investigation - Field Work, Analysis of Findings, Data Review, Analysis and Modeling of Existing Conditions	2	1	\$ 120.00		0	1	\$ 120.00		0	1	\$ 120.00		0	1
	30% Design of Proposed Improvements, Modeling, Preparation of Construction Documents and Cost Estimate	6	1	\$ 360.00		0	1	\$ 360.00		0	1	\$ 360.00		0	1
	Internal Review - QA/QC	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Project Schedule Update	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Task 2 - 50% Design Submittal	10	1	\$ 600.00		0	1	\$ 600.00		0	1	\$ 600.00		0	1
	Preparation 50% Construction Documents, 50% Cost Estimate	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Internal Review - QA/QC, Project Schedule Update	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Project Schedule Update	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Task 3 - 100% Design Submittal	4	1	\$ 240.00		0	1	\$ 240.00		0	1	\$ 240.00		0	1
	Preparation 100% Construction Documents, 100% Cost Estimate, Final Design Report, QA/QC	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
11002	Task 1 - 30% DESIGN SUBMITTAL	8	1	\$ 480.00		0	1	\$ 480.00		0	1	\$ 480.00		0	1
	Geotechnical Investigation - Field Work, Analysis of Findings, Data Review, Analysis and Modeling of Existing Conditions	2	1	\$ 120.00		0	1	\$ 120.00		0	1	\$ 120.00		0	1
	30% Design of Proposed Improvements, Modeling, Preparation of Construction Documents and Cost Estimate	6	1	\$ 360.00		0	1	\$ 360.00		0	1	\$ 360.00		0	1
	Internal Review - QA/QC	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Project Schedule Update	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Task 2 - 50% Design Submittal	10	1	\$ 600.00		0	1	\$ 600.00		0	1	\$ 600.00		0	1
	Preparation 50% Construction Documents, 50% Cost Estimate	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Internal Review - QA/QC, Project Schedule Update	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Project Schedule Update	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Task 3 - 100% Design Submittal	4	1	\$ 240.00		0	1	\$ 240.00		0	1	\$ 240.00		0	1
	Preparation 100% Construction Documents, 100% Cost Estimate, Final Design Report, QA/QC	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
11003	Task 1 - 30% DESIGN SUBMITTAL	8	1	\$ 480.00		0	1	\$ 480.00		0	1	\$ 480.00		0	1
	Geotechnical Investigation - Field Work, Analysis of Findings, Data Review, Analysis and Modeling of Existing Conditions	2	1	\$ 120.00		0	1	\$ 120.00		0	1	\$ 120.00		0	1
	30% Design of Proposed Improvements, Modeling, Preparation of Construction Documents and Cost Estimate	6	1	\$ 360.00		0	1	\$ 360.00		0	1	\$ 360.00		0	1
	Internal Review - QA/QC	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Project Schedule Update	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Task 2 - 50% Design Submittal	10	1	\$ 600.00		0	1	\$ 600.00		0	1	\$ 600.00		0	1
	Preparation 50% Construction Documents, 50% Cost Estimate	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Internal Review - QA/QC, Project Schedule Update	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Project Schedule Update	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
	Task 3 - 100% Design Submittal	4	1	\$ 240.00		0	1	\$ 240.00		0	1	\$ 240.00		0	1
	Preparation 100% Construction Documents, 100% Cost Estimate, Final Design Report, QA/QC	0	1	\$ -		0	1	\$ -		0	1	\$ -		0	1
TOTAL \$ 314,763.88															