

ST. PETERSBURG CITY COUNCIL

Consent Agenda

Meeting of January 19, 2017

TO: The Honorable Darden Rice, Chair and Members of City Council

SUBJECT: A resolution approving Task Order No. 16-01-GFY/W to the Architect/Engineering Agreement ("A/E") between the City of St. Petersburg and George F. Young, Inc. for an amount not to exceed \$177,931 for professional engineering services related to the Downtown Water Main Replacement Project (Engineering Project No. 17054-111; Oracle No. 15939); approving a supplemental appropriation in the amount of \$222,000 from the unappropriated balance of the Water Resources Capital Projects Fund (4003) to the DIS Downtown Main Replace FY17 Project (15939) to provide the necessary funding for Task Order No. 16-01-GFY/W and other project related costs; and providing an effective date.

EXPLANATION: The City has identified aging water main infrastructure in the downtown area in need of replacement. The City intends to replace cast iron pipelines installed in the 1940s as required. Replacing the water mains now avoids future repairs or replacements within the heavy traffic downtown corridor and can be done at a time to take advantage of road closures associated with private downtown developments while minimizing impacts to the local businesses and residents.

On December 13, 2016, City Council approved a Master Agreement with the professional consulting engineering firm of George F. Young, Inc., for miscellaneous professional services for potable water, wastewater and reclaimed water projects.

Task Order 16-01-GFY/W in the amount not to exceed \$177,931 provides services for survey, subsurface utility engineering, (SUE), geotechnical investigation, final design, permitting assistance, and bidding services for replacement of approximately 4,100 linear feet of water line replacement in the downtown area.

The limits of the potable water main replacement are:

- Along Central Avenue from 3rd Street to Beach Drive,
- Along 1st Avenue North from 3rd Street North to 1st Street North,
- Along 2nd Street from Central Avenue to 2nd Avenue North,
- Along 1st Street from Central Avenue to 1st Avenue North.

This represents approximately 4,100 linear feet of pipeline ranging from 8" to 16" in diameter. Attached map represents the location of the water mains to be replaced.

A/E services during the construction phase will be provided to Council for approval as an Amendment to this Task Order.

Contractor costs for the improvements will be provided to Council for approval as a separate Agreement.

RECOMMENDATION: Administration recommends that City Council approve Task Order No. 16-01-GFY/W to the Architect/Engineering Agreement ("A/E") between the City of St. Petersburg and George F. Young, Inc. for an amount not to exceed \$177,931 for professional engineering services related to the Downtown Water Main Replacement Project (Engineering Project No. 17054-111; Oracle No. 15939); approving a supplemental appropriation in the amount of \$222,000 from the unappropriated balance of the Water Resources Capital Projects Fund (4003) to the DIS Downtown Main Replace FY17 Project (15939) to provide the necessary funding for Task Order No. 16-01-GFY/W and other project related costs; and providing an effective date.

COST/FUNDING/ASSESSMENT INFORMATION: Funds will be available after the supplemental appropriation in the amount of \$222,000 from the unappropriated balance of the Water Resources Capital Projects Fund (4003) to the DIS Downtown Main Replace FY17 Project (15939).

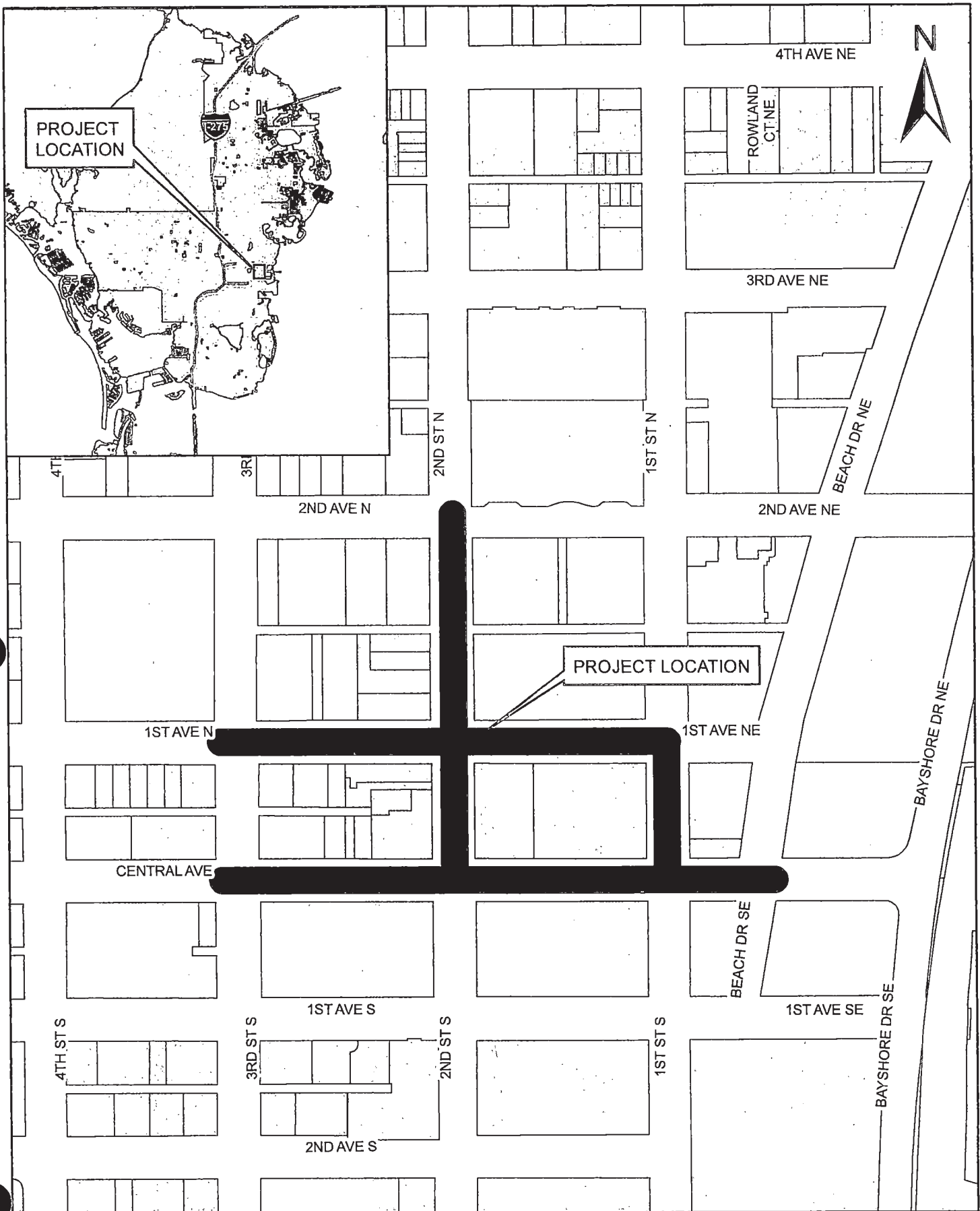
ATTACHMENTS: Resolution
Map
Draft Task Order

APPROVALS:

da


Administrative


Budget



ENGINEERING AND CAPITAL
IMPROVEMENTS DEPARTMENT
CITY of ST PETERSBURG

APPROVED BY:

DATE:

11/23/2016

Project Location Map
Downtown Watermain Replacement



TASK ORDER NO. 16-01-GFY/W
DOWNTOWN WATERMAIN REPLACEMENT PROJECT
ARCHITECT/ENGINEERING AGREEMENT FOR MISCELLANEOUS PROFESSIONAL SERVICES
FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER PROJECTS
CITY PROJECT NO. 17054-111

This Task Order No. 16-01-GFY/W is made and entered into this ____ day of _____, 2016, pursuant to the ARCHITECT/ENGINEERING AGREEMENT FOR MISCELLANEOUS PROFESSIONAL SERVICES FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER PROJECTS dated December 13, 2016 ("Agreement") between George F. Young, Inc. ("A/E"), and the City of St. Petersburg, Florida ("City"), and upon execution shall become a part of the Agreement.

I. DESCRIPTION OF PROJECT

The City has identified aging water main infrastructure approaching the end of its service life in need of replacement. The limits of the potable water main replacement include approximately 1,400 feet on Central Avenue from 3rd Street to Beach Drive, 1,200 feet on 1st Avenue N. from 3rd Street N. to 1st Street N., 1,100 feet on 2nd Street from Central Avenue to 2nd Avenue N. and 400 feet on 1st Street from Central Avenue to 1st Avenue N., St. Petersburg, Florida. This represents approximately 4,100 lf of pipeline ranging from 8" to 16" in diameter. The City intends to replace the cast iron pipelines installed in the 1940s as required size on size. Replacing the water mains now avoids pending emergency repairs in the heavy traffic downtown corridor and can be done at a time to take advantage of road closures associated with private downtown developments in the vicinity, minimizing impacts to the local businesses.

II. SCOPE OF SERVICES

Under this Task Order, the ENGINEER (George F. Young, Inc.) shall provide survey, Subsurface Utility Engineering (SUE), geotechnical investigation, 100% design, permitting, and bidding services to the CITY as described in the following tasks.

Task 1 Project Management and Kick-Off Meeting

ENGINEER will provide overall project management and coordination to include conducting a kickoff meeting, maintaining design deliverable schedule and budget, and supporting overall project design efforts.

Activities:

A1.01 Develop and maintain the project schedule, coordinate with other downtown project schedules to the extent possible to minimize impacts during construction

A1.02 Organize and conduct a kick-off meeting. ENGINEER will prepare an agenda and provide meeting notes following conclusion of the meeting. The Agenda will include:

- Introduction of team members
- Establishment of roles and responsibilities of the team members and stakeholders
- Preliminary discussion of performance criteria (what measures define project success), budget, and schedule

- Review ENGINEER's proposed schedule

A1.03 Hold project progress meetings every two weeks.

A1.04 Prepare project meeting agendas and meeting notes.

A1.05 Prepare a monthly progress report, including monthly invoice.

Deliverables:

D1.01 Kick-Off meeting Agenda & Meeting Notes

D1.02 Proposed Project Schedule

D1.03 Bi-weekly Meeting Agendas & Meeting Notes – electronic, Word Document

D1.04 Monthly Progress Reports

Task 2 Base Data Collection

The CITY will assist the ENGINEER in obtaining available updated CITY utility information for preparing drawings for construction and permitting. This updated information may include but is not limited to atlas sheets and record drawings of other City-owned facilities in the project vicinity. The CITY will provide the results of the most current potable water and fire flow hydraulic model to confirm diameter of the replacement pipes. The ENGINEER will perform Survey, SUE and geotechnical investigations within the project limits as defined in the Section A Background.

Activities:

A2.01 Data Collection and Review - coordinate with the CITY to receive copies of the following available data:

- Property boundary surveys and/or topographic or special purpose surveys conducted for City easements and properties in the areas of the existing water main replacement project. All plans that are available for the permanent and temporary utilities located in the right of way along the alignment.
- Any existing geotechnical investigations that have been conducted for facilities in the vicinity of the project limits.
- All other available utility information for the properties where the water main piping will be constructed.

A2.02 On-Site Investigation – ENGINEER shall walk the route to confirm conflicts with known utilities.

A2.03 Survey - ENGINEER shall provide topographical survey of the areas from RoW to RoW where the water main will be replaced.

A2.04 Geotechnical Investigation - ENGINEER shall define a scope of work and contract with a geotechnical engineer to conduct seven (7) borings along the proposed alignment of the new water main as well as prepare an associated geotechnical report.

A2.05 Subsurface Utility Exploration - conduct utility locates from curb to curb where new water main is assumed to be relocated, perform up to 12 vacuum excavation locates at proposed conflicts with other utilities, and locate existing water main.

Deliverables:

D2.01 Topographic Survey

D2.02 Geotechnical Report

D2.03 SUE Report with details

Task 3 30% Design Documents

ENGINEER will prepare a 30% design level of completion for water main only.

A3.01 Preparation of the preliminary plans will include:

- Review record drawings of existing utilities including existing potable water, reclaim, sanitary sewer and stormwater systems.
- Review mapping and GIS information.
- Confirm the water hydraulic model results performed by OTHERS to determine pipe diameter sizing.
- Define corridor for pipe alignment and design criteria with CITY staff.
- Identify utility conflict locations for SUE.
- Prepare Water Master Plan sheet (1) indicating the preliminary alignment of the proposed water main lines based on SUE and Survey performed by ENGINEER
- Confirm CAD and Detail Standards

A3.02 Confirm design criteria for potable water pipe with CITY staff.

A3.03 Develop opinion of probable construction cost.

A3.04 Prepare for and attend one design review meeting with CITY staff .

Deliverables:

D3.01 Potable Water Master Plan Sheet(s) (E size) 8 copies.

D3.02 Basis of Design Technical Memorandum 8 copies.

D3.03 30% OPCC.

Task 4 90% Design Documents

The ENGINEER will advance the 30% design and prepare and submit a 90% Design to the City for review and comment based on comments and information received in Task B-4 and the authorization to proceed from CITY. ENGINEER will prepare the necessary permit applications or modifications for the CITY for review and signatures. ENGINEER will then submit and coordinate with FDEP to obtain construction permits.

GFY will furnish copies of approved permits when obtained for incorporation into the construction documents.

A4.01 Prepare draft set of technical specifications

A4.02 Prepare Construction Documents that will include:

- The final new water main alignment in plan only, including permanent and temporary easements required. Plans will include location of valves, fittings, fire hydrants, air release valves, services, including new redundant fire services and other appurtenances. Profile drawings will not be provided for pipeline diameters less than 16-inches;
- Master Plan – Permanent Reference Monuments (PRM);
- Master Plan – Potable Water to include location of fire hydrants;
- Limits of pavement removal and replacement;
- Typical roadway sections;
- Final water services;
- Roadway Striping
- Demolition Plan, Stormwater Management Plan, Stormwater Pollution Prevention Plan, and General Notes and Details.
- Prepare schedule of quantities for quantifiable items

A4.03 Prepare opinion of probable construction cost.

A4.04 ENGINEER will attend one design review meeting with CITY staff.

ENGINEER will prepare schedule of quantities for quantifiable items;

Deliverables:

D4.01 Draft Technical Specifications.

D4.02 90% Construction Document Plans.

D4.03 Opinion of probable construction cost including schedule of quantities.

D4.04 Eight sets of drawings for review and comment.

Task 5 100% Design Documents

The ENGINEER will prepare and submit a 100% Design with Technical Specifications to the City for review and comment based on comments received from Task 4 and the authorization to proceed from CITY.

A5.01 Update technical specifications and confirm Bid Tabulations format with CITY staff.

A5.02 Schedule of quantities for each measurement and payment item by sheet-by-sheet takeoff and produce an updated OPCC.

A5.03 The final construction documents services will include the refinement of 90% Plans and responses for the City to review. The task includes final revisions to the contract documents, back-checking, final client review and approval, and printing including the following:

- Cover and Key Sheet.
 - Final Potable Water Master Plan Sheet.
 - Water Plan Sheets;
 - Paving plans.
 - Demolition Plan.
 - Details and General Notes.
 - Stormwater Pollution Prevention Plan and Construction Surface Water Management Plan.

A5.04 Prepare one permit application for the Florida Department of Environmental Protection (FDEP) Southwest District including a signed and sealed Potable Water Master Plan Sheet for submittal.

Deliverables:

D5.01 100% Construction Plans, Technical Specifications and Bid Tabulation (one set of original C-size reproducible drawings and technical specifications signed and sealed by a licensed Florida Professional Engineer).

D5.02 Opinion of Probable Construction Cost .

D5.03 Permit Application.

Task 6 Bidding Services

The ENGINEER will prepare for and attend a Pre-Bid Meeting. ENGINEER will respond to technical questions from bidder Requests for Information (RFI's) as well as evaluate the bids, check references and make a recommendation to the CITY.

A6.01 Attend Pre-Bid and Bid Opening.

A6.02 Respond to technical RFIs.

A6.03 Prepare technical portion of any addenda.

SCOPE ASSUMPTIONS

1) A design review meeting at the CITY will occur two (2) business weeks after design submittal and CITY will arrange design review meetings.

2) Bidding services assume that only one bid process is required to obtain an acceptable bid.

The following Engineering Services may be requested by CITY but are not included in this contract's base scope:

- Applying for additional permits other than those mentioned above.
- Additional meetings other than those mentioned above.
- Unforeseen Services.
- Traffic Impact Study

III. SCHEDULE

The anticipated schedule is shown below. In determining completion dates, it was assumed that CITY review and response time is two weeks from submittal. Therefore, the next task would not begin until after the two-week review period. The completion date for 100% Plans and Permit approvals are estimated and contingent upon review procedures by regulatory agencies.

Task/Deliverable	Projected Total from Date of Notice to Proceed – Calendar Weeks
Notice to Proceed (NTP)	---
Task-1 Project Management and Kick-Off Meeting	NTP + 1 week
Task-2 Base Data Collection	NTP + 5 weeks(MAY DEPEND ON SUE AND SURVEY)
Task-3 30% Design Documents	8 wks from B-2 + 2 wk Client Review
Task-4 90% Design Documents	6 wks from B-3 approval + 2 wk Client Review
Task-5 100% Design Documents	4 wks from B-4 approval + 2 week Client Review
Task-6 Bidding Services	12 wks from B-5 approval
	41 weeks total from NTP

Note: Weeks are in working weeks, not in calendar weeks.

IV. A/E'S RESPONSIBILITIES

The ENGINEER will perform the tasks outlined in Section II for the CITY.

V. CITY'S RESPONSIBILITIES

It is anticipated that CITY will assume the following responsibilities with regard to this project:

- 1) CITY shall provide data of CITY-owned utilities including potable, reclaimed, and sanitary sewer services in and around the potential construction areas and any survey data already prepared in paper and electronic form.
- 2) CITY shall pay any fees required by private utility owners to locate or depict said utilities on ENGINEER-provided drawings.
- 3) CITY shall pay all permit applications fees, sign Applications as Owner and pay all associated review/application fees.
- 4) CITY shall provide staff review comments within two weeks (10 business days) of Deliverable submittal.
- 5) CITY shall provide traffic signal control or timing modifications as necessary.

VI. DELIVERABLES

A summary of deliverables for the tasks detailed in Section II, Scope of Services is listed below:

D1.01 Kick-Off meeting Agenda & Meeting Notes

D1.02 Proposed Project Schedule

D1.03 Bi-weekly Meeting Agendas & Meeting Notes – electronic, Word Document

D1.04 Monthly Progress Reports

D2.01 Topographic Survey

D2.02 Geotechnical Report

D2.03 SUE Report with details

D3.01 Potable Water Master Plan Sheet(s) (E size) 8 copies.

D3.02 Basis of Design Technical Memorandum 8 copies.

D3.03 30% OPCC.

D4.01 Draft Technical Specifications.

D4.02 90% Construction Document Plans.

D4.03 Opinion of probable construction cost including schedule of quantities.

D4.04 Eight sets of drawings for review and comment.

D5.01 100% Construction Plans, Technical Specifications and Bid Tabulation (one set of original C-size reproducible drawings and technical specifications signed and sealed by a licensed Florida Professional Engineer).

D5.02 Opinion of Probable Construction Cost .

D5.03 Permit Application.

VII. A/E'S COMPENSATION

For the above described SCOPE OF SERVICES, the CITY will compensate the ENGINEER in accordance with the AGREEMENT FOR MISCELLANEOUS PROFESSIONAL SERVICES FOR POTABLE WATER, WASTEWATER, AND RECLAIMED WATER PROJECTS, Section 5, and as detailed in the Attachment A, Work Task Breakdown, attached to this Task Order and made part of this Task Order.

Attachment A shows the total cost for the requested services Task 1 through Task 6 under CITY Task Order No. 16-01-GFY/W is to be a lump sum amount of \$167,931. This price includes anticipated labor and expenses that may be required for the completion of the work under this Task Order. There is also an allowance of \$10,000 for additional services subject to prior written approval by the City. This brings the total cost, including allowances to \$177,931.

VIII. PROJECT TEAM

The ENGINEER will perform Survey and SUE with in-house GFY staff. Proposals are included for these services in addition to Attachment A. Geotechnical services will be performed by Arehna, Inc. and a cost for these services is attached.

IX. MISCELLANEOUS

In the event of a conflict between this Task Order and the Agreement, the Agreement shall prevail.

IN WITNESS WHEREOF the Parties have caused this Task Order to be executed by their duly authorized representatives on the day and date first above written.

ATTEST

CITY OF ST. PETERSBURG, FLORIDA

By: _____
Chandrasasa Srinivasa
City Clerk

By: _____
Brejesh Prayman, P.E., Interim Director
Engineering & Capital Improvements

(SEAL)

DATE: _____

APPROVED AS TO FORM FOR CONSISTENCY
WITH THE STANDARD TASK ORDER.
NO OPINION OR APPROVAL OF THE SCOPE
OF SERVICES IS BEING RENDERED BY
THE CITY ATTORNEY'S OFFICE

By: _____
City Attorney (Designee)

GEORGE F. YOUNG, INC.
(Company Name)

By: George Joyce II
(Signature)

George Joyce II Vice President
(Printed Name and Title)

Date: 11 JAN 2017

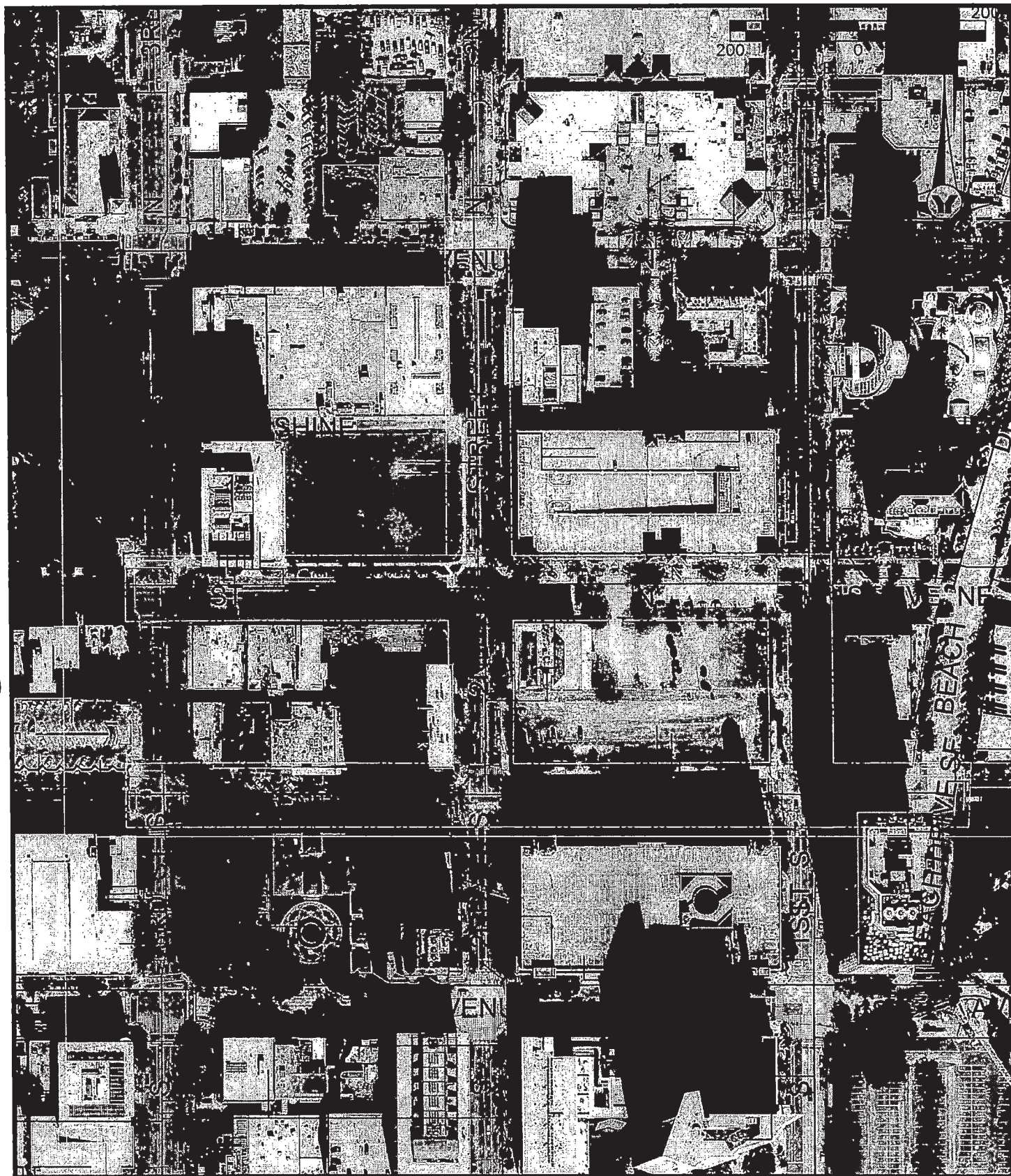
WITNESSES:

By: Elizabeth L. Schaefer
(Signature)

Elizabeth L. Schaefer
(Printed Name)

By: James A Akker
(Signature)

James A Akker
(Printed Name)



PREPARED FOR:
CITY OF ST. PETERSBURG

CITY OF ST. PETERSBURG
DOWNTOWN WATERMAIN REPLACEMENT

SECTION 19, TOWNSHIP 31 S., RANGE 17 E.

REVISED	BY	DATE	DESCRIPTION

	INITIALS	DATE
DESIGN		
DRAWN		
CHECKED		
QUALITY CHK		
SCALE		

GEORGE JOYCE No.

DATE



George F. Young, Inc.

299 DR. MARTIN LUTHER KING JR. STREET, N. ST. PETERSBURG, FLORIDA 33701
PHONE (727) 822-4317 FAX (727) 822-2919
ENGINEERING CERTIFICATE OF AUTHORIZATION NUMBER 21
CIVIL & TRANSPORTATION ENGINEERING | ECOLOGY | GIS | LANDSCAPE ARCHITECTURE
PLANNING | SURVEYING | SUBSURFACE UTILITY ENGINEERING
GAINESVILLE • LAKEWOOD RANCH • ORLANDO • PALM BEACH • ST. PETERSBURG • TAMPA

JOB NO.

SHEET NO.

EX-1

Task No	Task Description	Project Manager	Engineer III	Engineer I	CE3D Technician	Survey Technician	Total	Direct Expense	Subcontract	Allowance	Additional Services
1	Project Management										
2.1	Existing Data - Review Existing Data & Background Information		4	8	4	2					
2.2	Walk the alignment for conflicts		4	4	4						
2.3	Topographic Survey of alignment from ROW to ROW		4	4	4						
2.4	Geotechnical Investigation		4	2							
2.5	Subsurface Utility Exploration curb to curb		20	8	16	2					
3	30% Design Documents		\$1,300.00	\$504.00	\$432.00	\$564.00	\$34.00	\$0.00	\$0.00	\$0.00	\$61,440.00
3.1	Coordinate water main design with Downtown Water Assembly & Review Utility Maps, Records & Hydrolic		2	N	16	2					
3.2	Develop Potable Water Main Alignment within corridor		2	8	8						
3.3	Prepare CAD & Detail Standards		2	4	16	1					
3.4	Prepare Water Main Schedule		2	16	8						
3.5	Develop Water Main Materials & Identify Design Criteria		2	12	4	2					
3.6	Prepare Preliminary Construction Cost Estimate		2	24	12	2					
3.7	Prepare for and attend Design Review Meeting		4	4	4						
3.8	Q&A		4	8	48	11					
3.9	Sub Total		\$1,320.00	\$2,364.00	\$1,620.00	\$187.00					
4	90% Design Documents										
4.1	Prepare final technical specifications		4	16	48	24					
4.2	90% O&P		2	24	16	2					
4.3	90% Contract Drawings		4	16	96	8					
4.4	Prepare for and attend Design Review Meeting		4	4	4						
4.5	Q&A		4	16	8	2					
4.6	Sub Total		\$1,320.00	\$2,364.00	\$1,620.00	\$187.00					
5	100% Design Documents										
5.1	Final technical specifications		4	8	8	24					
5.2	Final O&P		2	8	8	2					
5.3	Final contract drawings		4	6	40	2					
5.4	Q&A		4	16	8	2					
5.5	Prepare/submit Permit Application		4	16	8	8					
5.6	Sub Total		\$1,251.00	\$2,365.50	\$1,944.00	\$666.00					
6	Bidding Phase Services										
6.1	Attend Pre-Bid and Bid Opening Meeting		6	4	16	2					
6.2	Respond to technical questions		6	6	16	4					
6.3	Prepare technical portion of any Addenda		4	6	16	4					
6.4	Sub Total		\$1,251.00	\$2,365.50	\$1,944.00	\$666.00					
7	Additional Services (if needed)										
7.1	Additional Services as requested by the CITY		\$69.50	\$49.25	\$27.00	\$17.00					
7.2	Direct Expense Reimbursement										
7.3	*Items such as allowable mileage, printing, copier service and overhead delivery										
7.4	Sub Total		\$1,172.00	\$788.00	\$864.00	\$170.00					
8	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
9	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
10	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
11	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
12	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
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18	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
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33	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
34	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
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53	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
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66	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
67	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
68	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
69	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
70	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
71	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
72	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
73	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
74	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
75	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
76	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
77	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
78	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
79	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
80	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
81	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
82	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
83	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
84	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
85	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
86	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
87	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
88	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
89	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
90	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
91	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
92	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
93	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
94	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
95	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
96	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
97	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
98	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
99	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
100	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
101	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
102	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
103	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
104	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
105	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
106	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
107	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
108	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
109	Sub-total - 5		\$1,172.00	\$788.00	\$864.00	\$170.00					
110	Sub-total - 5		\$1,172.00</								

George F. Young, Inc.

EXHIBIT A BASIC SCOPE OF SERVICES

Project sites are the right of way of the following areas; Central Avenue from 3rd St. to Beach Drive S.E., 1st Avenue N. from 3rd St. to 1st St., 1st St. N. from Central Avenue to 1st Avenue N. and 2nd St. N. from Central Avenue to 2nd Avenue N. in downtown St. Petersburg, Florida.

Survey Services- Topographic and Right of Way

- Establish horizontal and vertical control for project. Horizontal Control Coordinates to be based on State Plane Coordinate System for West Zone of Florida, North American Datum 1983. 1990 Adjustment. Vertical Datum to be City of St. Petersburg based on North American Vertical Datum 1988 *(plus 97 feet)*
- Depict in cad file, existing right of way lines based record plats, Pinellas County Property Appraiser and found monumentation.
- Provide Topographic Survey from right of way to right of way at the locations described above. Locate above ground features such as but not limited to above ground utilities, curb, sidewalk, drainage features, manholes, trees 4" and above, building corners, centerline and crown of roads.
- Elevations shall be collected in sufficient density to create an accurate digital terrain model.
- Place horizontal and vertical control throughout the project.
- Deliverables will include Autodesk Civil 3D. A signed and sealed surveyor's report will be delivered with this file.

Exclusions

The following items are specifically excluded from the above Basic Scope of Services:

1. Filing fees, permit fees, prints, or any other out of pocket expenses other than those specifically included.
2. Any work associated with biological, ecological or environmental studies, traffic studies or geotechnical services.
3. Any work associated with securing permits other than those specifically included.
4. Any work associated with survey other than that provided herein.
5. Any work associated with establishing a baseline or construction line.
6. Any work associated with a title search, right of way will be located as shown above.
7. Any work associated with the handling of hazardous materials.

Client's Responsibilities

In addition to other responsibilities of CLIENT as set forth in this Agreement, CLIENT shall:

1. Provide GFY with all available CAD, Geopak or other files relating to the project prior to mobilization.
2. Provide GFY with all available utility maps.

Compensation Schedule

Client shall pay Consultant for Basic Services set forth in Exhibit A in accordance with item A & C below:

A: LUMP SUM FEE

1. A Lump Sum Fee of \$41,095.78 (Forty One Thousand Ninety Five Dollars and Seventy Eight Cents), based upon the following assumed distribution of compensation:
2. Consultant may alter the distribution of compensation within the individual phases noted herein to be consistent with services actually rendered but shall not exceed the total Lump Sum Fee for the Basic Services unless approved by the Client.
3. The portion of the Lump Sum Fee amount billed for Consultant's services will be based upon Consultant's estimate of the proportion of the total services actually completed during the billing period to the Lump Sum Fee.

B: HOURLY

1. On an hourly basis at our prevailing standard hourly rates. (Current rate schedule attached.)

C: RETAINER:

1. The Client shall make an initial payment of \$ 0.00 (retainer) upon execution of this Agreement. Upon receipt of this retainer payment, the Consultant shall commence services as provided for under this Agreement. This retainer shall be held by the Consultant and applied against the final invoice. In the event the amount of the final invoice exceeds the final invoice, the Consultant shall refund the balance with the final invoice. If the final invoice exceeds the retainer the Client shall promptly remit the amount due.

TASK & HOURLY FEE BREAKDOWN
GFY Survey Proposal #16P002600SU
Project Name: COSP Downtown Water Main

TASK RELATED FEE: Topographic Survey

	DAYS	RATE	COST
Location Vac Truck & Crew	0	0.00	\$0.00
Designation Truck & Crew (3 man - to include GPR for this project)	0	0.00	\$0.00
Ground Penetrating Radar & Operator	0	0.00	\$0.00
Mobilization / Demobilization	0	0.00	\$0.00

TASK RELATED FEE: FIELD SURVEYING

	HOURS	RATE	COST
Three (3) Person Survey Team (Includes vehicle and Conventional Equipment) - SUE collection	0	0.00	\$0.00
Three (3) Person Survey Team (Includes vehicle and Conventional Equipment) - ROW, Topo and Control	195	159.04	\$31,012.80

TASK RELATED FEE: HOURLY

	MAN-HOURS	RATE	COST
PRINCIPAL	0	0.00	\$0.00
SUE PROJECT MANAGER III	0	0.00	\$0.00
SURVEYOR III	10	111.13	\$1,111.30
SURVEYOR II	25	96.76	\$2,419.00
TECHNICIAN III	107	61.24	\$6,552.68
ADMINISTRATIVE/CLERICAL	0	0.00	\$0.00

EXPENSES

MAINTENANCE OF TRAFFIC (Minor)	0	0.00	\$0.00
TITLE REPORT	0	0.00	\$0.00
ROW USE PERMIT	0	0.00	\$0.00
TOTAL			\$41,095.78

George F. Young, Inc.

EXHIBIT A DOWNTOWN WATER MAINS

SUE BASIC SCOPE OF SERVICES

- Project sites are within the roadways of Central Avenue from Beach Drive N.E. to 3rd Street N., 1st Avenue N. from 1st Street N. to 3rd Street N., 1st Street N. from Central Avenue to 1st Avenue N. and 2nd Street N. from Central Avenue to 2nd Avenue N.
- George F. Young, Inc. (GFY) to provide surface utility designation (Quality Level "B"), subsurface utility locating (Quality Level "A"), and SUE survey services at the above referenced site in an effort to locate existing utilities which may conflict with proposed water mains.

Task 1 SUE Quality Level "B" Designation

Surface Utility Designation and SUE Survey Services

- GFY to provide Quality Level "B" designation utilizing electromagnetic designating equipment including Ground Penetrating Radar (GPR). This includes marking with paint and or flags the horizontal location of found existing underground utility lines from curb to curb only within the roadway of the project limits.
- GFY to survey collect horizontal location of the found existing utility lines and add to the topographic survey.
- GFY to provide traffic control within the work areas while designating and locating the subsurface utilities. Traffic control is to be maintained in accordance with applicable standards. Provide safety devices, signs and/or other safety equipment as appropriate.

Task 2 SUE Quality Level "A" Location

Subsurface Utility Location (VVH - verified vertical and horizontal)

- Utilizing information found in Task 1 together with other engineering data, EOR to prepare a utility conflict matrix and plan sheets depicting up to 12 potential utility conflicts. Matrix and plan sheets to contain a minimum of 2 dimensions from known fixed objects in field shown on the topographic survey for field locating.
- GFY to request City of St. Petersburg right of way use permits for the purpose of marking, measuring, and recording the location of underground utilities within ROW and roadways.
- GFY to provide Quality Level "A" test holes (VVH – verified vertical and horizontal) on the found target utility line at each of the utility conflict areas described above.
- For each test hole, neatly cut and remove existing pavement or other surface material (not to exceed 225 square inches per cut). Excavate the material through the cut, down to the utility in a way that prevents damage to wrappings, coatings or other protective coverings of the utilities (i.e. vacuum/pressure excavations, hand digging, etc.). Backfill and compact with select material around the utility. Provide a restoration of the surface or pavement, within the limits of the cut, at the time of the backfill.
- GFY to survey collect vertical location of the found existing utility lines and add to the topographic survey.

- GFY to provide traffic control within the work areas while locating the subsurface utilities. Traffic control is to be maintained in accordance with applicable standards. Provide safety devices, signs and/or other safety equipment as appropriate.

Utilization of the above equipment and methods is the industry recognized procedure for finding and locating underground utilities and features. Although effective and reliable, there is the possibility that all utilities may not be detected due to environmental conditions, soil conditions, water table, excessive depth, and/or feature makeup.

EXCLUSIONS

The following items are specifically excluded from the above Basic Scope of Services:

1. Any work associated with utility service lateral to private property outside of the roadway within the project limits.

CLIENT'S RESPONSIBILITIES

In addition to other responsibilities of CLIENT as set forth in this Agreement, CLIENT shall:

1. Prior to mobilization Client to provide any available utility information, as-builts, etc. that may aid in designating and locating the existing underground utility lines.

COMPENSATION SCHEDULE

Client shall pay Consultant for Basic Services set forth in Exhibit A in accordance with item A, B & C below:

B: TASK 1 & 2 SUE NOT TO EXCEED FEE

1. A Not to Exceed Fee of **\$ 14,578.05 (Fourteen Thousand Five Hundred Seventy Eight Dollars and Five Cents)**, based upon the following assumed distribution of compensation:
2. Consultant may alter the distribution of compensation within the individual phases noted herein to be consistent with services actually rendered but shall not exceed the total Not to Exceed Fee for the Basic Services unless approved by the Client.
3. The portion of the Not to Exceed Fee amount billed for Consultant's services will be based upon Consultant's estimate of the proportion of the total services actually completed during the billing period to the Not to Exceed Fee.

SUE HOURLY FEE BREAKDOWN

Project Name: Downtown Water Mains-SUE Services

TASK RELATED FEE: DESIGNATION & LOCATION

	DAYS	RATE	COST
Location Vac Truck & Crew	3	1,657.60	\$4,972.81

Designation Truck & Crew (3 man - to include GPR for this project)	3.5	1,593.36	\$5,576.76
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Ground Penetrating Radar & Operator	0	1,475.00	\$0.00
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Mobilization / Demobilization	0	300.00	\$0.00
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TASK RELATED FEE: FIELD SURVEYING

	DAY	RATE	COST
Three (2) Person Survey Team (Includes vehicle and Conventional Equipment)	2	1,272.33	\$2,544.66

Four (4) Person Survey Team (Includes vehicle and Conventional Equipment)	0	0.00	\$0.00
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TASK RELATED FEE: HOURLY

	MAN-HOURS	RATE	COST
PRINCIPAL	0	0.00	\$0.00
SUE PROJECT MANAGER III	6	149.02	\$894.12
SURVEYOR III	2	111.13	\$222.26
SURVEYOR II	0	96.76	\$0.00
TECHNICIAN III	6	61.24	\$367.44
ADMINISTRATIVE/CLERICAL	0	0.00	\$0.00

EXPENSES

MAINTENANCE OF TRAFFIC (Minor)	0	400.00	\$0.00
MILEAGE	0	0.00	\$0.00
ROW USE and TTC PERMITS	0	0.00	\$0.00
TOTAL			\$14,578.05



September 21, 2016

Mr. George Joyce II, P.E.
George F. Young, Inc.
299 Dr. Martin Luther King Jr. Street N.
St. Petersburg, FL 33701

Phone: 727-822-4317
Email: gjoyce@georgefyoung.com

Subject: **Proposal for Geotechnical Exploration
Water Main Replacement Project – City of St. Petersburg
3rd Avenue N and 2nd Avenue
St. Petersburg, FL
AREHNA B.PROP-16-111**

AREHNA Engineering, Inc. is pleased to present this proposal to provide a geotechnical exploration for the referenced project. This proposal summarizes our understanding of the project, scope of services, as well as provides a lump sum fee and schedule for those services.

Project Description

Our understanding of the project is based on your email dated September 20, 2016. We understand that the City of St. Petersburg is looking to replace their water main in their downtown core area. Based on the site plan provided to AREHNA, the water main replacement is proposed along 1st Avenue N, Central Avenue, 2nd Street N, and 1st Street N, for an approximate total length of 4,100 linear feet. The new potable water main is planned to be installed within the existing roadway as an open cut. Therefore, depths are not anticipated to be deeper than 6 feet. Based on aeriels of the sites, there is one lane per direction along each street. Maintenance of Traffic (MOT) will be needed in order to perform the proposed work.

Scope of Services

The purpose of our geotechnical study is to obtain information on the general subsurface conditions at the proposed project site. The subsurface materials encountered will then be evaluated with respect to the available project characteristics.

In this regard, engineering assessments for the following items will be formulated:

- Identification of the existing ground water levels and estimated normal seasonal high ground water fluctuations.
- General location and description of potentially deleterious materials encountered in the borings which may have an impact on the proposed project.

- General site preparation recommendations including the suitability of excavated soils for use as backfill.

The following services will be performed to achieve the above-outlined objectives:

- Request utility location services from Sunshine State One-Call.
- Obtain City of St. Petersburg Right Of Way and temporary traffic control permits.
- Perform seven Standard Penetration Test (SPT) borings to a depth of 10 feet each. Samples will be collected and Standard Penetration Test resistances will be measured in the SPT borings at approximate intervals of two feet for the top ten feet and at approximate intervals of five feet thereafter. The boreholes will be backfilled.
- Visually classify and stratify soil samples in the laboratory using the Unified Soil Classification System and conduct a laboratory testing program including corrosion testing of two composite samples.
- Report the results of the field exploration and engineering analysis. The results of the subsurface exploration will be presented in a written report signed and sealed by a professional engineer specializing in geotechnical engineering.

Schedule

We anticipate that the permit approval process will take approximately three weeks. After the permit has been received we can mobilize to the site within one week. The fieldwork should take approximately one day to complete. Our signed and sealed report should be available approximately one week after the completion of any laboratory testing.

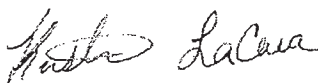
Service Fee

We propose to complete our geotechnical engineering services for a lump sum fee of \$5,500. To authorize our services, please issue us a task work order.

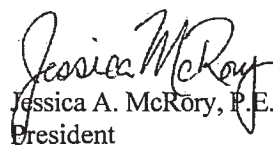
We appreciate the opportunity to support you on this project. If you have any questions with regard to this proposal, please do not hesitate to contact us at 813.944.3464.

Sincerely,

AREHNA Engineering, Inc.



Kristina LaCava, P.E.
Geotechnical Engineer



Jessica A. McRory, P.E.
President

RESOLUTION NO. 2017-_____

A RESOLUTION APPROVING TASK ORDER NO. 16-01-GFY/W TO THE ARCHITECT/ENGINEERING AGREEMENT BETWEEN THE CITY OF ST. PETERSBURG AND GEORGE F. YOUNG, INC. FOR AN AMOUNT NOT TO EXCEED \$177,931 FOR PROFESSIONAL ENGINEERING SERVICES RELATED TO THE DOWNTOWN WATER MAIN REPLACEMENT PROJECT (ENGINEERING PROJECT NO. 17054-111; ORACLE NO. 15939); APPROVING A SUPPLEMENTAL APPROPRIATION IN THE AMOUNT OF \$222,000 FROM THE UNAPPROPRIATED BALANCE OF THE WATER RESOURCES CAPITAL PROJECTS FUND (4003) TO THE DIS DOWNTOWN MAIN REPLACE FY17 PROJECT (15939) TO PROVIDE THE NECESSARY FUNDING FOR TASK ORDER NO. 16-01-GFY/W AND OTHER PROJECT RELATED COSTS; AND PROVIDING AN EFFECTIVE DATE.

WHEREAS, the City of St. Petersburg, Florida ("City") and George F. Young, Inc. ("A/E") entered into an architect/engineering agreement on December 13, 2016, for A/E to provide miscellaneous professional services for potable water, wastewater and reclaimed water projects; and

WHEREAS, the City desires to execute Task Order No. 16-01-GFY/W in the amount of \$177,931 for A/E to provide geotechnical, survey and design services for replacement of approximately 4,100 linear feet of water line replacement in the downtown area.

NOW THEREFORE, BE IT RESOLVED by the City Council of the City of St. Petersburg, Florida, that the Mayor or his designee is hereby authorized to execute Task Order No. 16-01-GFY/W to the architect/engineering agreement dated December 13, 2016 between the City of St. Petersburg, Florida and George F. Young, Inc. for an amount not to exceed \$177,931 for professional engineering services related to the Downtown Water Main Replacement Project (Engineering Project No. 17054-111; Oracle No. 15939).


BE IT FURTHER RESOLVED that the following supplemental appropriation for Fiscal Year 2017 is hereby approved:

Water Resources Capital Project Fund (4003)


DIS Downtown Main Replacement FY17 Project (15939) \$222,000

This resolution shall become effective immediately upon its adoption.

Approved by:




Legal Department
By: (City Attorney or Designee)



Tom Greene
Budget Director

Approved by:



Breesh Prayman, P.E.
Engineering and Capital
Improvements Interim Director