

Meeting Date: April 28, 2015

Agenda Item 16

REQUESTED COMMISSION ACTION:

Consent Ordinance Resolution Consideration Workshop

SHORT TITLE OR MOTION: A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE WORK AUTHORIZATION NO 9 IN THE AMOUNT OF \$99,966.00 FOR A1A WATER MAIN IMPROVEMENTS PURSUANT TO THE CONTINUING CONTRACT BETWEEN THE CITY OF POMPANO BEACH AND MATHEWS CONSULTING, INC. FOR CIVIL ENGINEERING SERVICES FOR VARIOUS CITY PROJECTS; PROVIDING AN EFFECTIVE DATE.

Summary of Purpose and Why:

The City of Pompano Beach has existing 6-inch cast iron water mains along SR A1A from Dow St. to Bay Dr. and from Beacon St. to Bay Dr. The City needs to replace these ageing water mains, totaling approximately 4,000 linear feet, and have them replaced with 6-inch PVC. This proposed work authorization is for engineering design, permitting, and bidding services and is necessary to be accomplished prior to the future Transformation Plan design that is currently in progress for A1A.



Accomplishing this item supports achieving Initiative 1.4, "Ensure Safe Drinking Water Standards", Objective 1.4.1, identified in the City's Quality and Affordable Services Strategy.

QUESTIONS TO BE ANSWERED BY ORIGINATING DEPARTMENT:

- (1) Origin of request for this action: Utilities Department
- (2) Primary staff contact: A. Randolph Brown / John Sfiropoulos Ext 7044 / 7009
- (3) Expiration of contract, if applicable: N/A
- (4) Fiscal impact and source of funding: CIP 07-931, Account No 420-7309-533-6503, \$99,966.00

DEPARTMENTAL COORDINATION	DATE	DEPARTMENTAL RECOMMENDATION	DEPARTMENTAL HEAD SIGNATURE OR ATTACHED MEMO NUMBER
<u>Utilities</u>	<u>4-17-15</u>	<u>APPROVE</u>	<u>[Signature]</u>
<u>City Attorney</u>	<u>4-20-15</u>	<u>APPROVE</u>	<u>[Signature]</u>
<u>Finance</u>	<u>4-21-15</u>	<u>APPROVE</u>	<u>[Signature]</u>
<u>Budget</u>	<u>4-21-15</u>	<u>APPROVE</u>	<u>[Signature]</u>

Advisory Board
 Development Services Director
 City Manager [Signature]

[Signature]

ACTION TAKEN BY COMMISSION:

<u>Ordinance</u>	<u>Resolution</u>	<u>Consideration</u>	<u>Workshop</u>
1st Reading	1st Reading	Results:	Results:
_____	_____	_____	_____
2nd Reading	_____	_____	_____
_____	_____	_____	_____



City Attorney's Communication #2015-864
April 16, 2015

TO: John Sfiropoulos, P.E., Civil Engineer III
FROM: Gordon B. Linn, City Attorney
RE: Mathew's Consulting, Inc. – A1A Water Main Improvements

Pursuant to your memorandum dated April 16, 2015, Utilities Administration Memorandum No. 15-104, I have prepared and attached the following form of Resolution:

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE WORK AUTHORIZATION NO. 9 IN THE AMOUNT OF \$99,966.00 FOR A1A WATER MAIN IMPROVEMENTS PURSUANT TO THE CONTINUING CONTRACT BETWEEN THE CITY OF POMPANO BEACH AND MATHEWS CONSULTING, INC. FOR CIVIL ENGINEERING SERVICES FOR VARIOUS CITY PROJECTS; PROVIDING AN EFFECTIVE DATE.

Please feel free to contact me if I may be of further assistance.

GORDON B. LINN

/jrm
l:cor/engr/2015-864

Attachment

CITY OF POMPANO BEACH
Broward County, Florida

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA, APPROVING AND AUTHORIZING THE PROPER CITY OFFICIALS TO EXECUTE WORK AUTHORIZATION NO. 9 IN THE AMOUNT OF \$99,966.00 FOR A1A WATER MAIN IMPROVEMENTS PURSUANT TO THE CONTINUING CONTRACT BETWEEN THE CITY OF POMPANO BEACH AND MATHEWS CONSULTING, INC. FOR CIVIL ENGINEERING SERVICES FOR VARIOUS CITY PROJECTS; PROVIDING AN EFFECTIVE DATE.

BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF POMPANO BEACH, FLORIDA:

SECTION 1. That a Work Authorization between the City of Pompano Beach and Mathews Consulting, Inc. for A1A Water Main Improvements, a copy of which Work Authorization is attached hereto and incorporated by reference as if set forth in full, is hereby approved.

SECTION 2. That the proper City officials are hereby authorized to execute said Work Authorization between the City of Pompano Beach and Mathews Consulting, Inc.

SECTION 3. This Resolution shall become effective upon passage.

PASSED AND ADOPTED this _____ day of _____, 2015.

LAMAR FISHER, MAYOR

ATTEST:

ASCELETA HAMMOND, CITY CLERK

The services rendered pursuant to this Work Authorization No. WA-09 are in accordance with the terms and conditions of the Agreement for Professional Services between the City of Pompano Beach and Mathews Consulting, Inc. originally dated November 29, 2010 and approved by City Resolution No. 2011-64, with fourth Amendment for additional one year extension on November 10, 2014.

Work Authorization No. 9 – A1A Water Main Improvements

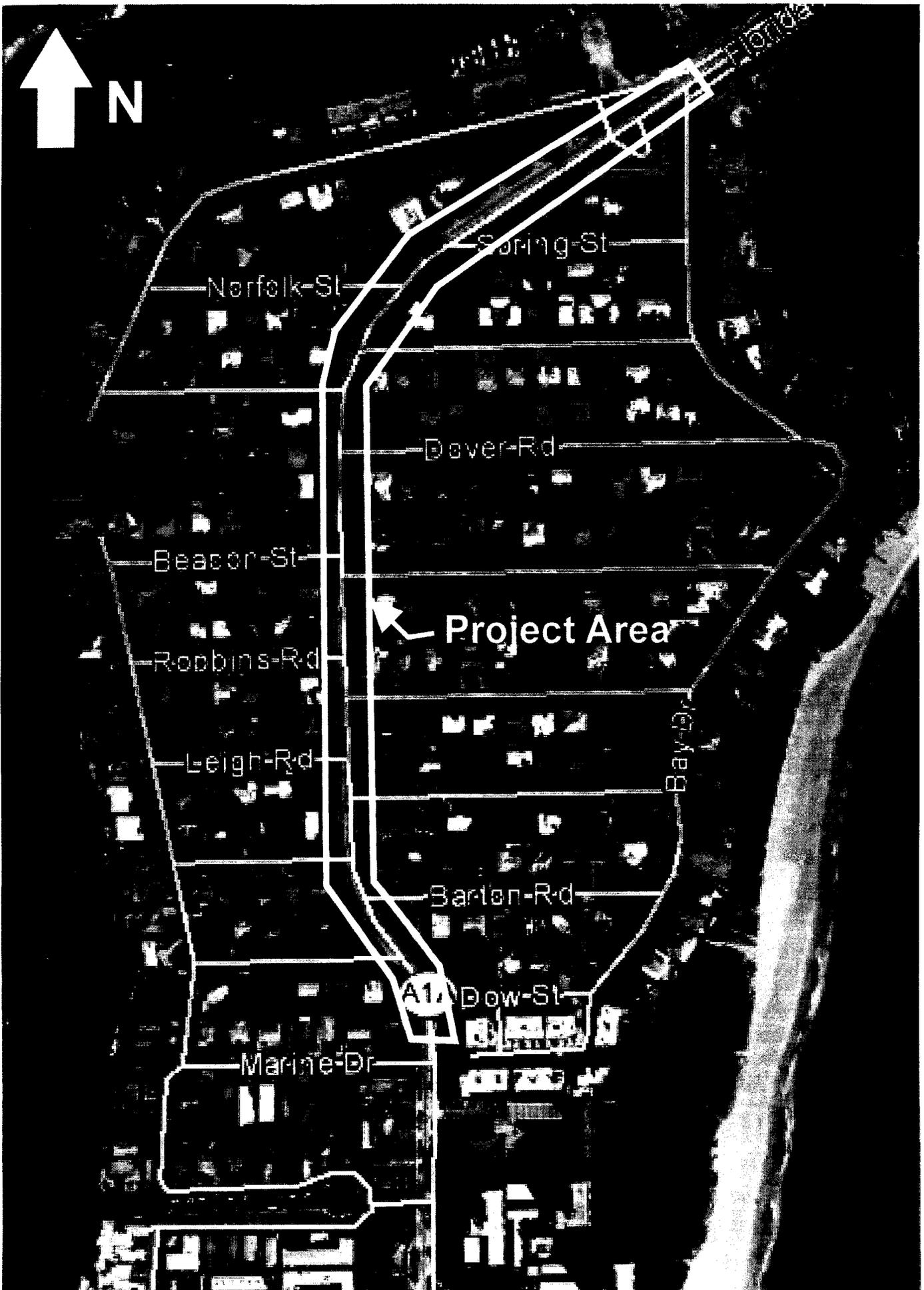
A. Background

The City of Pompano Beach (CITY) has an existing 6-inch cast iron water main along SR A1A (from Dow St. to Bay Dr.) and an existing 6-inch cast iron water main along SR A1A from Beacon St. to Bay Dr. These two water mains also connect to the adjacent side streets from Dow St. to Spring St. The CITY would like to replace these two 6-inch cast iron water mains with two new 6-inch PVC C900 (DR 18) water mains. The new water mains would also connect to each side street and these connections would need to be restrained along each side street approximately 60 feet. The Project area for the A1A Water Main Improvements is shown in Exhibit 1. Project components consist of the following:

- Water Main replacement along the following roads:
 - 6" WM along SR A1A (from Dow St. to Bay Dr.); approximately 2,500 ft.
 - 6" WM along SR A1A (from Beacon St. to Bay Dr.); approximately 1,500 ft.
 - 8" WM along Dow St.; approximately 60 ft.
 - 8" WM along E. Barton Rd.; approximately 60 ft.
 - 8" WM along W. Barton Rd.; approximately 60 ft.
 - 6" WM along E. Leigh Rd.; approximately 60 ft.
 - 8" WM along W. Leigh Rd.; approximately 60 ft.
 - 8" WM along E. Robbins Rd.; approximately 60 ft.
 - 8" WM along W. Robbins Rd.; approximately 60 ft.
 - 8" WM along E. Beacon St.; approximately 60 ft.
 - 6" WM along W. Beacon St.; approximately 60 ft.
 - 8" WM along E. Dover Rd.; approximately 60 ft.
 - 6" WM along W. Dover Rd.; approximately 60 ft.
 - 8" WM along E. Norfolk St.; approximately 60 ft.
 - 8" WM along W. Norfolk St.; approximately 60 ft.
 - 12" WM along Sprint St.; approximately 60 ft.
 - Decommission (i.e. abandon and grout) both 6" water mains along SR A1A.
 - Connections will be made to the existing 12" WM at Dow Street and the existing 12" WM at Bay Drive, along with all the side streets in the project area.
 - New water services will be installed to the existing meter box's in the project area.
 - Based on locations of existing underground utilities the water main will be either installed in the grass areas or in the roadway. This will be determined after the data collection phase has been complete, including coordination with FDOT. The CITY preference is to install the new water mains in the grass areas.
 - Fire hydrants and gate valves will be provided as required.

B. Scope of Services

The CONSULTANT will provide professional engineering services to the CITY for the installation of a new Water Main System within the project area. The Engineering Services of Mathews Consulting, Inc. (CONSULTANT) shall include the following tasks:



- Task 1 – Project Management
- Task 2 – Data Collection
- Task 3 – Design
- Task 4 – Permitting
- Task 5 – Public Outreach
- Task 6 – Bidding

The specific scope of services to be provided by CONSULTANT in this Work Authorization includes the following:

Task 1 – Project Management

Subtask 1.1 Overall Project Management

CONSULTANT shall provide overall project management which includes monitoring progress of work on a weekly basis for billing and compliance with established schedule, budget and work quality requirements, and coordination with CITY and team subconsultant(s) to ensure timely project deliverables and budget management.

Subtask 1.2 Design Workshop Meetings

CONSULTANT shall attend one (1) kick-off meeting and three (3) design workshop meetings with the CITY and provide a written summary of the issues discussed.

Subtask 1.3 Coordination with “Utility Engineering, Inc.”

Currently a project called “A1A Overhead to Underground Conversion” that will place the power, telephone & CATV underground is being designed in our project area. The Engineer Company for the undergrounding project is “Utility Engineering, Inc.” (also called “Power Services”).

CONSULTANT shall coordinate with Power Services to determine the location of their duct bank, pull boxes, switch boxes, etc. for the underground conversion.

Task 2 - Data Collection

Subtask 2.1 Topographical Survey

CONSULTANT shall furnish the services of a professional surveyor to provide survey services consisting of field topography and horizontal locations referenced by baseline stationing. This control will be referenced using the 1983 NAVD/2007 NSR datum. All existing facilities and utilities within the full right-of-way of the design limits will be referenced by baseline station with an offset distance (left or right) from the baseline for the project and will include the following:

1. Topography survey at 100-foot intervals and at major ground elevation changes to depict existing ground profile at proposed project area. All topographical surveys shall have stationing established from south to north and west to east where applicable. This shall be accomplished by creating a baseline in the field to collect pertinent data which shall include the following:
 - a. Location of all visible fixed improvements within the right-of-way (including 10-feet back on each side of the right-of-way) of the project limits, including physical objects, roadway pavement, driveways, sidewalks, curb, trees, railway tracks, canals, bridges, signs, fences,

power poles, buildings, and other encumbrances, including point of curvature and point of tangency.

- b. Location of all known above and below ground existing utilities: FP&L, AT&T, Cable TV, Natural Gas, Potable Water (pipe diameter, TOP, valves, fire hydrants, and meters), Force Mains (pipe diameter, TOP, and valves), Reclaimed Water (pipe diameter, TOP, and valves), Sanitary Sewer (pipe diameter, manhole inverts and direction, rim elevations, laterals, and clean-outs), Storm Sewers (pipe diameter, manhole inverts and direction, catch basins, and rim/grate elevations), and **all other accessible structures**.

This will include coordination with Sunshine, City of Pompano Beach and FDOT.

- c. Identify platted rights-of-way (including bearing and distances for centerline), lot numbers, house address, ownership lines (per property tax information provided by City), block numbers and dedicated easements.
 - d. Elevations shall be indicated every 100 feet, at a minimum, to indicate centerline grades, edge of pavement grades and shoulder grades, low points and all right-of-way lines. Intermediate grades shall be indicated at all grade breaks, driveways and sidewalks.
 - e. The survey shall include topography of the complete intersection, 50 feet beyond radius returns, at the intersection end of each street.
 - f. Provide and reference benchmarks at **maximum 600-foot intervals**. Elevations to be referenced to an existing established City or County Benchmark.
2. CONSULTANT shall “ground truth” the survey by walking the site and comparing the completed survey with existing conditions.
 3. The above topographical survey data will be prepared in AutoCAD (Version 2013) format at a scale of 1"=20'.

Subtask 2.2 Geotechnical

CONSULTANT shall furnish the services of a professional geotechnical engineer to provide subsurface investigations (data shall be incorporated into the design documents) of the project area that will include:

- Perform up to nine (9) standard penetration test (SPT) borings to an average depth of ten (10) feet.
- Evaluate field data collected and provide geotechnical engineering evaluation report (signed and sealed).

Subtask 2.3 Field Verification (soft digs)

CONSULTANT shall furnish the services of a professional underground services company to provide underground field locations of affected existing utilities. The work shall consist of measuring and recording the approximate horizontal, vertical, width and depth data of affected utilities within the project limits. It is estimated that approximately fifty (50) utility locations will need to be pot-holed. The cost of providing the professional underground services company will be treated as a utility allowance with an authorized upper limit (\$15,000).

Subtask 2.4 Field Verification (utility targeting)

CONSULTANT shall furnish the services of a professional underground services company to provide subsurface utility targeting in the project area. The work shall consist of conducting a thorough electronic search for buried

utility systems. The investigation will be accomplished using active and passive type utility detection gear that detects induced or naturally occurring energy fields present on conductive utilities. Field sheets will be generated that show the location, trend and configuration of utilities detected. The field sheets shall be provided to the Surveyor. The cost of providing the professional underground services company will be treated as a utility allowance with an authorized upper limit (\$7,000).

Task 3 - Design Services

Subtask 3.1 Utility Coordination

Coordination with utility agencies (electric, phone, gas, cable TV, and fiber optics, etc.) shall be performed to collect record information. This Subtask includes reconciling apparent discrepancies between record information and existing photographic and field-verification information.

Subtask 3.2 Pipeline Corridor Analysis

Field reconnaissance of the anticipated pipeline corridor shall be performed. Photograph long walk-through will be included. Potential existing conflicts will be identified.

Subtask 3.3 Design Drawings

Preparation of construction documents shall include contract drawings and technical specifications. Contract drawings shall include: cover sheet, general notes, plan/profile drawings, and miscellaneous detail sheets. The drawing scale shall be 1-inch equals 20 feet for pipeline plan and 1-inch equals 2 feet for pipeline profile. CONSULTANT shall prepare the engineering design elements on topographic survey information in an AutoCAD release 2013 format and the layering system for design elements shall be CONSULTANT's standard. Drawings shall be submitted for CITY review at 50% (plan view only), 75% (plan/profile) and 100% (plan/profile) stages. CONSULTANT shall meet with the CITY to discuss comments, and incorporate comments into final documents. CONSULTANT shall furnish with the 100% design drawings, one (1) set of AutoCAD Version 2013 files in electronic format on CD.

Subtask 3.4 Technical Specifications

Specifications are to be prepared by CONSULTANT for bidding purposes for the reuse water main. The Front-End Contract Documents are to be prepared by the CITY. Specifications shall be submitted for CITY review at 75% and 100% stages. CONSULTANT shall meet with the CITY to discuss comments, and incorporate comments into final documents.

Subtask 3.5 Construction Cost Opinion

An opinion of probable construction cost will be prepared for the 100% drawings and specifications. The cost estimate format will be consistent with the bid proposal tabulation sheet for the project. The cost opinion will be provided to the CITY during the 100% design reviews.

Subtask 3.6 Quality Assurance

CONSULTANT shall provide internal QA/QC reviews on the 50%, 75% and 100% Design Documents (e.g. drawings, specifications, and cost estimates).

Task 4 - Permitting

During the Design Phase the CONSULTANT shall meet with the potential permitting and other interested agencies to determine all potential design permitting requirements. Agencies anticipated to have interest in the project include:

- Florida Department of Transportation (Utility Right-of-Way Permit).
- Broward County Health Department (Water Main Construction Permit).

Permit applications shall be completed for each of the permitting agencies. Associated permit application fees shall be determined by CONSULTANT and paid by CITY. Services do not include preparing permit application for SFWMD construction dewatering permit (Contractor will be required to secure this permit if needed for construction).

In addition to preparing the permit applications for appropriate agencies, CONSULTANT shall assist CITY in consultations with the appropriate authorities. Consultation services shall include the following:

- Attend up to one (1) pre-application meeting with the staff of each regulatory agency.
- Attend up to one (1) meeting with each of the regulatory agencies during review of the final permit applications.
- Respond to request(s) for additional information from each regulatory agency.

Subtask 4.1 FDOT Permitting

CONSULTANT shall prepare and submit FDOT "Utility Permit Application"

Subtask 4.2 Broward County Health Dept. Permitting

CONSULTANT shall prepare and submit "Water Main Construction Permit Application" to the Broward County Health Department.

Task 5 – Public Outreach

Subtask 5.1 Resident Meetings

CONSULTANT shall attend one (1) meeting prior to construction with the homeowners in the project area. The meeting shall be coordinated by the CITY and shall also be attended by the Contractor. This will also include assistance with the development of presentation materials for the public meeting for the affected residents.

Task 6 - Bid Phase Services

Subtask 6.1 Bid Coordination

Prepare Contract Document packages (i.e. drawings and specification) for CITY advertisement and bidding purposes. Drawings to be full size (22" x 34") format. Consultant shall also provide the City with a copy of Contract Documents in pdf format.

Subtask 6.2 Pre-Bid Conference

CONSULTANT shall prepare agenda and conduct pre-bid conference with interested contractors and CITY staff. CONSULTANT shall prepare and distribute meeting minutes.

Subtask 6.3 Bid Clarification

Respond to questions from prospective bidders and suppliers. CONSULTANT shall issue addenda and shall provide supplemental information or clarification as appropriate, to interpret, clarify, or expand the bidding documents to all prospective bidders during the bid period.

Subtask 6.4 Contract Award

CONSULTANT shall attend the bid opening, review bid packages received, prepare bid tabulation sheet and recommend award.

Subtask 6.5 Conformed Contract Documents

CONSULTANT shall prepare conformed Contract Documents for use by the Contractor and CITY during construction.

C. Assumptions

In addition to, the work items discussed above, the following assumptions were made in establishing the scope of this Work Authorization and associated fee. Changes and/ or modifications in the above work items or these assumptions are considered an Additional Services Item under the terms of the contract. Assumptions include:

1. The scope and budget are based on the design, permitting and bidding of a water main system only. If additional underground utilities are added to the project, an Amendment to this Work Authorization will be executed for this work.
2. CITY will provide CONSULTANT available record drawings of existing facilities and proposed facilities within the project area prior to the NTP date.
3. CALTROP personnel will assist in field verification of affected existing CITY utilities. **This includes painting the locations of water mains & services, raw water mains, sanitary sewers and laterals, reuse pipes and force mains in the field for the surveyor in a timely manner.**
4. The CITY will provide CONSULTANT an electronic version of "front end" contract documents in MICROSOFT "WORD" version format.
5. Surveying and legal work necessary to prepare document for and to secure easements (temporary for construction and/or permanent) required for installation of the piping and improvements is the responsibility of the CITY.
6. The CITY is responsible for all permitting fees, including costs of public notification in local newspapers.
7. The CITY will provide CONSULTANT an electronic version of latest CITY standard details in AUTOCAD Version 2013 format.
8. A single bidding effort is assumed for the project. Re-bidding of the project is considered an Additional Services item.

9. The design is to be based on the federal, state and local codes and standards in effect at the beginning of the project. Revisions required for compliance with any subsequent changes to those regulations is considered an Additional Services Item.
10. CONSULTANT assumes that there are no contaminated soils or groundwater in or around the project area.

D. Additional Services

Consultant shall provide additional engineering services relating to the provision of surveying, geotechnical, utility locates, water improvements to the project area that are not covered under this Work Authorization. These additional services may be required due to uncertainties discovered during survey, soils, investigations, field verification of existing facilities and conditions, and potential property or easement acquisitions.

Services performed under this task will be on as-directed basis in accordance with a written Notice-to-Proceed from the City Manager. The Notice-to-Proceed issued shall contain the following information and requirements.

- A detailed description of the work to be undertaken.
- A budget establishing the amount of the fee to be paid in accordance with the Agreement.
- A time established for completion of the work.

E. Obligations of the CITY

1. The CITY shall provide the CONSULTANT in a timely manner, record data and information related to the reuse system, sewer system, water distribution system, raw water system, stormwater system and streets within the project as necessary for the performance of services specified herein.
2. With assistance by CONSULTANT, as described herein, the CITY, as applicant shall obtain approvals and permits from all governmental authorities having jurisdiction over the project. The CITY is responsible for the payment of all permit application fees.

F. Compensation

Compensation by the CITY to the CONSULTANT for all tasks will be on a Not-to-Exceed (time utilized) basis in accordance with the terms and conditions of the Agreement for Professional Services between the City of Pompano Beach and Mathews Consulting, Inc., dated November 29, 2010 and approved by City Resolution #2011-64. The estimated compensation for the services described in this Work Authorization is **\$99,966.00** as shown in **Table 1** below and further detailed in **Attachment A**.

TABLE 1: LABOR AND EXPENSE SUMMARY.

<u>Engineering Services</u>	<u>Estimated Fees</u>
Task 1 – Project Management	\$ 5,487.00
Task 2 – Data Collection	\$ 42,621.00
Task 3 – Design Services	\$ 42,369.00
Task 4 – Permitting	\$ 3,281.00
Task 5 – Public Outreach	\$ 1,521.00
Task 6 – Bidding	\$ 3,687.00
Reimbursables (NTE)	\$ 1,000.00
TOTAL PROJECT COST	\$ 99,966.00

G. Schedule

The completion dates for this work will be as follows (starting at time that CONSULTANT receives the hardcopy of the executed Contract). Refer to **Attachment B**.

Engineering Services	Time per Phase	Cumulative Time
Task 1 – Project Management	On-going	On-going
Task 2 – Data Collection	12 weeks	15 weeks
Task 3 – Design	14 weeks	20 weeks
Task 4 – Permitting	6 weeks ⁽¹⁾	22 weeks
Task 5 – Public Outreach	As required	As required
Task 6 – Bidding	8 weeks	30 weeks

⁽¹⁾ Estimated, based upon usual regulatory agency review period.

H. Deliverables

TASKS	DELIVERABLES	QUANTITY
3 Design	50% Drawings 75% Drawings & Specs 100% Drawings & Specs Cost Estimate @ 100%	3 – Sets (22" x 34") 3 – Sets (22" x 34") 3 – Sets (22" x 34") 3 – Sets
4 Permitting	Permit Application Package(s)	4 – Sets Each Permit
5 Bidding	Bid Sets	2 – Sets (22" x 34") & pdf
5 Conformed Documents	City Sets Contractor Construction Sets	4 – Sets (22" x 34") & pdf 5 – Sets (22" x 34")

Attachment A
City of Pompano Beach
AIA Water Main Improvements

Engineering Fee Proposal

Task No.	Task Description	Labor Classification and Hourly Rates							Sub-Consultant Services
		Principal Engineer \$152.34	Senior Project Engineer \$139.73	Engineer I \$114.52	Senior Eng. Tech. \$102.96	Senior Inspector \$105.06	Clerical \$62.53	Total Labor	
1	Project Management								
1.1	Overall PM	10						\$1,523	
1.2	Design Workshop Meetings	13		8				\$2,897	
1.3	Coordination with Power Services	4		4				\$1,067	
	Subtotal Task 1	27	0	12	0	0	0	\$5,487	\$0
2	Data Collection								
2.1	Topographical Survey	1		3	3			\$805	\$15,725
2.2	Geotechnical	1						\$152	\$4,000
2.3	Field Verification (soft-digs)	1		3	6			\$1,114	\$11,000
2.4	Field Verification (utility targeting)	1						\$152	\$6,000
	Subtotal Task 2	4	0	6	9	0	0	\$2,223	\$36,725
3	Design Services								
3.1	Utility Coordination	3		4	8			\$1,739	
3.2	Pipeline Corridor Analysis			8				\$916	
3.3a	50% Design Drawings	10		30	50			\$10,107	
3.3b	75% Design Drawings	10		40	80			\$14,341	
3.3c	100% Design Drawings	10		20	40			\$7,932	
3.4	Technical Specifications (75% & 100%)	15					20	\$3,536	
3.5	Construction Cost Opinion (100%)	3		20				\$2,747	
3.6	Quality Assurance					10		\$1,051	
	Subtotal Task 3	51	0	122	178	10	20	\$42,369	\$0
4	Permitting								
4.1	FDOT Utility Permit	8		4	2		1	\$1,945	
4.2	Broward County Health Department	4		4	2		1	\$1,336	
	Subtotal Task 4	12	0	8	4	0	2	\$3,281	\$0
5	Public Outreach								
5.1	Resident Meetings (total of 2)	5		3	2	2		\$1,521	
	Subtotal Task 5	5	0	3	2	2	0	\$1,521	\$0
	Bidding								
6.1	Prepare Bid Documents	2			2		2	\$636	
6.2	Pre-Bid Conference	3					1	\$520	
6.3	Bid Clarification	2	3		2		1	\$992	
6.4	Contract Award	2				4	1	\$787	
6.5	Conformed Contract Documents	1			4		3	\$752	
	Subtotal Task 6	10	3	0	8	4	8	\$3,687	\$0
	Labor Subtotal Hours	109	3	151	201	16	30		
	Labor Subtotal Costs	\$16,605	\$419	\$17,293	\$20,695	\$1,681	\$1,876	\$58,569	\$36,725
	Labor Total Costs	\$58,569							
	Subconsultant Costs Total	\$36,725							
	Subconsultant Multiplier	1.1							
	Subconsultant Total	\$40,398							
	Reimbursable Expenses	\$1,000							
	Project Total	\$99,966							

A1A Water Main Improvements - Project Schedule

Project	2015										2016
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	
NTP (April 1, 2015)	◆										
Survey (30 days)	■										
Utility Coordination (30 days)		■									
Soil Borings (30 days)			■								
Soft Digs (30 days)			■								
Final Design											
50% (30 days)		■									
City Review (7 days)			■								
75% (30 days)			■								
City Review (7 days)				■							
100% (30 days)				■							
City Review (7 days)					■						
Permitting											
FDOT (45 days)					■						
Broward County Health Dept. (45 days)					■						
Bidding and Award (60 days)							■				
Construction (TBD)								■			

CONSULTANT":

MATHEWS CONSULTING, INC.

By: _____

Rene L. Mathews, P.E., President
477 S. Rosemary Avenue, Suite 330
West Palm Beach, FL 33401

Witnesses:

STATE OF FLORIDA
COUNTY OF PALM BEACH

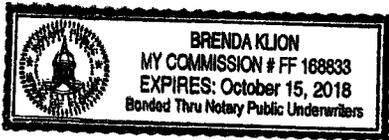
The foregoing instruments were acknowledged before me this 30th day of March, 2015, by **RENE MATHEWS** as President of Mathews Consulting, Inc., a Florida corporation, on behalf of the corporation, who is personally known to me.

Notary's Seal:

Brenda Klion
Notary Public, State of Florida

Brenda Klion
(Name of Acknowledger Typed, Printed or Stamped)

FF 168833
Commission Number



“City”:

CITY OF POMPANO BEACH

Witnesses:

By: _____

Lamar Fisher, Mayor

By: _____

Dennis W. Beach, City Manager

Attest:

(Seal)

Asceleta Hammond
City Clerk

Approved as to Form:

Gordon B. Linn
City Attorney

STATE OF FLORIDA
COUNTY OF BROWARD

The foregoing instruments were acknowledged before me this _____ day of _____, 2015, by **LAMAR FISHER** as Mayor, **DENNIS W. BEACH** as City Manager, and **ASCELETA HAMMOND** as City Clerk of the City of Pompano Beach, Florida, a municipal corporation, on behalf of the municipal corporation, who are personally known to me.

Notary's Seal:

Notary Public, State of Florida

(Name of Acknowledger Typed, Printed or Stamped)

Commission Number