

**RESOLUTION**  
of the  
**BOROUGH OF NEW PROVIDENCE**  
Resolution No. 2015-165

Council Meeting Date: 04-13-2015

Date Adopted: 04-13-2015

TITLE           RESOLUTION ACCEPTING THE PROPOSAL OF MASER  
CONSULTING, P.A. FOR PROFESSIONAL ENGINEERING SERVICES  
REGARDING THE WASTEWATER TREATMENT PLANT PUMP  
STATION UPGRADES

Councilperson     Galluccio     submitted the following resolution, which was duly  
seconded by Councilperson     Muñoz    .

WHEREAS, the Borough of New Providence acquired Professional Engineering  
and Professional Environmental Consulting Services as a non-fair and open contract  
pursuant to the provisions of N.J.S.A. 19-44A-20.5; and

WHEREAS, Maser Consulting was awarded a contract with the Borough of New  
Providence via Resolution 2014-023 provide professional engineering services; and,

WHEREAS, Maser Consulting Services has submitted a proposal dated April 8,  
2015 indicating they will provide professional engineering services relating to the  
Wastewater Treatment Plant Pump Station Upgrades project, for an amount not to  
exceed \$37,500.00; and

WHEREAS, the fees assessed with this proposal are contained in said contract;  
and

WHEREAS, the maximum amount of the contract is not to exceed \$37,500.00,  
and said funds are available from the following accounts:

15-262-930-4-42001	\$ 10,790.00
15-263-930-4-42001	\$ 22,815.00
15-265-930-4-42001	\$ 3,243.00
15-271-930-4-42001	\$ 652.00

and have been certified by the Chief Financial Officer; and

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the  
Borough of New Providence that they hereby approve and authorize the professional  
services included in the Maser Consulting Services proposal dated April 8, 2015.

APPROVED, this 13<sup>th</sup> day of April, 2015.

## RECORD OF VOTE

	AYE	NAY	ABSENT	NOT VOTING
GALLUCCIO	X			
GENNARO	X			
KAPNER	X			
MADDEN	X			
MUÑOZ	X			
ROBINSON	X			
MORGAN			TO BREAK COUNCIL TIE VOTE	

I hereby certify that the above resolution was adopted at a meeting of the Borough Council held on the 13<sup>th</sup> day of April, 2015.

Wendi B. Barry, Borough Clerk



Engineers  
Planners  
Surveyors  
Landscape Architects  
Environmental Scientists

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April 8, 2015

VIA EMAIL

Mr. Douglas Marvin, Borough Administrator  
Borough of New Providence  
360 Elkwood Avenue  
New Providence, NJ 07974

Re: Proposal for Professional Services  
Wastewater Treatment Plant Pump Station Upgrades  
Borough of New Providence, Union County New Jersey  
**MC Project No. NPT-518**

Dear Mr. Marvin:

Maser Consulting P.A. (Maser Consulting) is pleased to present this proposal to provide professional engineering services to coordinate and oversee design and construction services provided by the U.S. Communities Government Purchasing Alliance (Co-op) for the Wastewater Treatment Plant Pump Station electrical and controls upgrade.

As you are aware, on June 11, 2014, the electrical system failed resulting in a sewage overflow onsite. The breaker that controls electrical power from JCP&L entered a fault state, which prevented electricity from being provided by the electrical utility. No issues were found with the utility breaker itself. The breaker that controls power provided by the generator also entered a fault state, which prevented electricity from being provided by the 600 KW onsite emergency generator. Testing of the generator breaker indicated that it was faulty. The generator breaker was replaced with a spare.

The cause of the sewage overflow was the simultaneous loss of access to electrical utility power, emergency backup generator power, and failure of the alarm dialer. The loss of electrical power remained for a period of eleven (11) hours. Since sewage was not being pumped out of the plant during this time period, the sewage collected, filled up and ultimately overflowed available storage in the Pump Station.

As previously described in a memo to the Mayor and Council dated March 17, 2015, the existing electrical service equipment, auto-throw over scheme and associated equipment are beyond their useful life. Reliability of the equipment has degraded and repair has become difficult and expensive, due to the lack of availability of spare parts.

From this event, the Mayor and Council authorized \$8,500.00 for Maser Consulting to assess the problem and work towards repairs and upgrades that would assure this type of Station failure would never occur again. Since that time, Maser has performed the following services:



- 1) Review all existing documents related to the existing electrical and SCADA systems for the wastewater treatment plant;
- 2) Inspect all existing electrical and SCADA facilities;
- 3) Meet with the vendors and wastewater department to discuss the options available;
- 4) Review the options and determine the best option in terms of functionality and cost;
- 5) Coordinate with the Co-op and ultimately join the Co-op;

### **SCOPE OF SERVICES**

From the services provided to this point by Maser Consulting, it appears that the Co-op price to provide design and construction for the electrical and control upgrades will cost approximately \$345,000.00. Exact costs are not finalized, as we continue to coordinate with the Borough and the Co-op on exact upgrades and controls to provide the Wastewater Treatment Plant Operator the optimum facility.

Now that the Borough has joined the Co-op, Maser Consulting proposed to provide the following services.

1. Coordinate final scope and cost of work with Co-op;
2. Obtain documents required by public contracts law;
3. Publish a "Notice of Intent to Award Contract under a National Cooperative Purchasing Agreement" in the official newspaper;
4. Prepare a contract;
5. Coordinate engineering site visit;
6. Attend engineering site visit with Co-op, which is required to be done at night so that the Station can be shut down. Night time has the lowest sewer flows into the Station;
7. Design review;
8. Shop drawing review;
9. Coordinate exact date of work;
10. Coordinate and attend preconstruction meeting;
11. Inspect work; and
12. Closeout project.

Maser Consulting proposed to provide these services for a cost not to exceed \$37,500.00.

### **EXCLUSIONS**

If any item listed herein, or otherwise not specifically mentioned within this agreement or the Borough Engineering Agreement, is deemed necessary, Maser Consulting may prepare an addendum to this agreement for your review, outlining the scope of additional services and associated professional fees regarding the extra work. All unanticipated additional work shall be in accordance with the Schedule of Hourly Rates for the number of hours performed. No extra work will be performed without authorization from the Borough.

If you find this proposal acceptable, please forward a copy of the Resolution of Approval for this proposal to this office. This will constitute approval of the proposed work.



Douglas Marvin, Borough Administrator  
MC Project No.NPT-518  
April 8, 2015  
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Thank you for the opportunity to offer our services. We look forward to working with you on this and future projects. In the meantime, should you have any questions regarding this proposal, please feel free to contact me.

Very truly yours,

MASER CONSULTING P.A.

*ARH* (FOR)

Andrew R. Hipolit, P.E., P.P., C.M.E.  
Borough Engineer

ARH/psn

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