

February 14, 2014

Mr. Clece Aurelus, P.E.  
Senior Project Manager  
City of Hollywood – Department of Public Utilities  
1621 N. 14th Avenue  
P. O. Box 229045  
Hollywood, FL 33020-9045

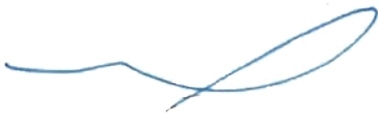
Re: Proposal for Consulting Services  
Lift Station Conversion/Upgrade Program – Lift Station A-10 and A-11  
City of Hollywood Project No. 14-8044F  
AECOM Work Order (14-01)

Dear Mr. Aurelus:

As requested, AECOM is pleased to submit the attached proposal. This proposal addresses engineering design services associated with the Lift Station Conversion/Upgrade Program to be completed under the terms and conditions of our Professional Services Agreement with the City of Hollywood.

We look forward to working with the City on this important assignment. Please contact Jim Penkosky at 305.718.4809 or 954.410.9677 should you have any questions or comments on the proposal.

Sincerely,  
AECOM Technical Services, Inc.



Mark S. Blanchard  
Vice President

Enclosure

cc: James Mortel – COH ECSD  
Jim Penkosky, PE – AECOM  
Michelle Percy - AECOM

**PROJECT NUMBER 14-8044F  
WORK ORDER (14-01)**

**February 14, 2014**

**FEE PROPOSAL AND SCOPE OF SERVICES  
CITY OF HOLLYWOOD**

**LIFT STATION CONVERSION/ UPGRADE PROGRAM  
Lift Stations A-10 and A11**

**A. Background**

The City of Hollywood (City) owns and operates a sanitary sewer system. This system consists of lift stations for wastewater conveyance. As part of the ongoing City-wide lift station conversion/upgrade program, AECOM provided professional services for 12 stations for design through construction services. The City has expressed a need to continue with their program to convert/upgrade two lift stations:

- LS A-10 located at 6951 Fillmore Street
- LS A-11 located at 7415 McKinley Street

Therefore, the City has requested that AECOM prepare this fee proposal to provide the following services for each lift station:

- Survey and geotechnical work
- Final Design in the form of drawings and technical specifications
- Engineer's Opinion of Probable Cost
- Permitting assistance through the Broward County Environmental Protection Department and the City of Hollywood
- Bid Phase assistance
- Engineering Services during construction
- Engineering completion certifications

**B. Scope of Services**

**1.0 Engineering Design Services**

**1.1 Management**

Project Management activities comprise contract administration, coordination of project staff, monitoring of progress and project costs during this project phase.

## 1.2 Project Meetings

AECOM will attend meetings with representatives of the City as part of this project, as follows:

- a. Progress/ review meeting at the 90% completion milestone
- b. Meeting with the Broward County Environmental Protection Department to discuss permit after its submission
- c. Meeting with the city of Hollywood Planning and Zoning for permit dry run to discuss after drawing submission

## 1.3 Quality Control

As part of our ISO 9000 certification, AECOM will be conducting an internal QA/QC reviews at the 90% completion milestone for the project to enhance value to the City. Results will be incorporated into the deliverables.

## 1.4 Field Services

AECOM will conduct necessary site visits at the (future) lift station locations in order to provide for design of the lift stations.

### 1.4.1 Geotechnical

AECOM will be providing for geotechnical information for the stations. The geotechnical proposal is attached.

### 1.4.2 Survey

AECOM will be providing for site survey. The survey proposal is attached.

## 1.5 Final Design

AECOM will prepare final drawings and technical specifications. Design will follow the recently completed AECOM designed lift stations. Therefore, the following drawing list (14 total) is anticipated for each station.

<b>Drawing</b>	<b>Description</b>
G-001	Cover Sheet
D-001	Process Piping Schedule, Legend, Abbreviations and Details
D-101	Demolition Site Plan, Sections, and Details
D-101	Modifications Site Plan
D-102	Lift Station Plan and Section, Schedule and Notes
D-103	Details II
D-104	Details III
DI-001	Legend, Abbreviations, and General Notes
DI-101	Process Flow & Instrumentation Diagram
DI-102	Reference Drawings
E-001	One Line Diagram, General Notes and Legend
E-101	Electrical Elevations, Details and Notes
E-501	Elementary Control Diagrams
E-502	Details

AECOM will prepare technical bid specifications commensurate with the lift station facility design. These specifications will be based on standard terms commonly used in construction contracts. City of Hollywood standard details and technical specifications will be used when applicable. Otherwise standard Construction Specification Institute (CSI) 16 Division format technical specifications necessary for the project and proven AECOM standard details will be used to supplement what is needed.

*Civil/Mechanical.* AECOM will provide for site layout, temporary by-pass pumping (if necessary), final pump and appurtenances selection. The station will have two submersible pumps (duplex stations). Wetwell volume required for a target cycle time of 6 minutes, NAPOT of 10 hours, with a City provided flow rate for one given year will be used. Ventilation will also be provided as a passive system; odor control systems are not required. Decommissioning of the existing station consisting of general demolition, rehab/conversion of existing wetwell to a manhole, and other related equipment end use determination will be conducted. Contract drawings and specifications for this design work shall be prepared.

*A site plan will be provided prior to the 90% milestone to the City for refinement prior to completion of the 90% drawings.*

*Electrical/ Instrumentation.* Electrical design consists of determination of power requirements and total connected load for the lift station, design of power and control centers, preparation of circuit wiring diagrams, design of electric power circuits for motors and associated controls for the new pumps, and coordination with COH ICE Division and FP&L. AECOM will also provide for monitoring equipment and tying into the existing SCADA

system. Contract drawings and specifications for the electrical work shall be prepared.

*Structural.* AECOM will provide structural design parameters of the wetwell and valve vault in accordance with city of Hollywood standards for a precast submersible station. Contract drawings and specifications for this design work shall be prepared. Flotation calculations will also be prepared.

#### 1.5.1 Engineer's Estimate of Probable Cost

An estimate of construction cost will be prepared at the 90% completion milestone. The cost estimate will be subdivided into functional areas as much as practical.

#### 1.6 Permitting Assistance

##### *Broward County EPD*

The FDEP and SFWMD have delegated permitting authority to the BCEPD. Permitting will consist of preparing the appropriate permit application for submittal to the BCEPD. A reasonable level of effort in accordance with our estimate is assumed to complete this task.

##### *City of Hollywood Planning & Zoning:*

AECOM will provide drawings to the City's Planning and Zoning Department (through ECSD) with the intent to have approved plans picked up by the selected Contractor once the building permit has been approved.

A reasonable level of effort in accordance with our estimate is assumed to complete this overall task.

#### 1.7 Conformed Documents

After Bid Phase Services, AECOM will prepare Conformed Documents that reflect the actual documents bid by the contractor.

#### 1.8 Deliverables

AECOM will provide the following deliverables for each lift station:

- Electronic copy of preliminary site plan for city review
- Electronic copy of drawings and technical specifications at the 90% milestone for city review

- Engineer's estimate and Bid Form for bidding
- BCEPD (FDEP) permit applications to the County and City
- A total of three copies of the 100% design drawings for Hollywood Planning & Zoning dry run permitting (signed and sealed)
- Electronic copies of the Conformed Documents

## **2.0 Bidding Services**

In this task, AECOM will provide assistance to the City during the bidding and award of the project to a single general contractor for both lift stations. The following tasks are anticipated:

### By the City of Hollywood:

1. Bid advertisement and solicitation
2. Provide for reproduction and distribution of contract documents to prospective bidders and will maintain a planholders list

### By AECOM:

1. Provide the city with electronic copies of the final contract documents
2. Respond to prospective bidders' written inquiries on subject matters effecting our work and development of Addenda (if necessary)
3. Assist City in evaluation of bids and provide written recommendation

## **3.0 Engineering Services During Construction**

AECOM will provide construction services outlined below for the duration of the project through Final Completion. Services are described as follows:

### **3.1 Management**

Project Management activities comprise contract administration, coordination of project staff, monitoring of progress and project costs during this project phase.

### **3.2 Project Meetings**

AECOM will attend meetings with representatives of the City as part of this project, as follows:

- a. Pre-construction meeting
- b. Monthly progress meetings. Key members of the AECOM team will attend as required.

### 3.3 Engineering Services

AECOM engineers will provide necessary inspections at key points during project construction to certify our portion of the work. It is assumed that the city will provide supplemental information to the engineer as needed as part of their resident inspection services.

### 3.4 Contractor Submittals

AECOM's review of Contractor submittals will consist of the following activities:

1. Review shop drawings (piping, mechanical equipment, electrical panels, concrete) submitted by each Contractor to determine general conformance to the design concept and the project manual. AECOM will provide a review and submit comments regarding acceptance status for each set submitted.
2. AECOM will respond to requests for information (RFI) by the Contractor. AECOM will prepare supplementary drawings to resolve actual field conditions encountered as necessary.
3. When requested by the city, AECOM will review change/field orders submitted by each Contractor. Review will address conformance to original design concepts and cost-effectiveness. AECOM will evaluate requested price changes and time extensions for proposed change orders and make recommendations in writing.

### 3.5 Startup Services

AECOM will provide on-site advice and troubleshooting throughout startup. It is assumed that operation and maintenance manuals will be provided by separate equipment suppliers and organized by the contractor. It is further assumed the contractor will be conducting wet well drawdown tests.

### 3.6 Substantial Completion/Final Acceptance

When the Contractor has submitted for substantial completion, key members of AECOM's team will conduct a final inspection for the work with project representatives and the Contractor and provide written recommendations in the form of a punch list for acceptance of the work.

### 3.7 Record Drawings and Certification Submittals

AECOM will submit contractor supplied *record drawings* showing changes made during construction to the BCEPD. It is assumed that the contractor will provide to AECOM marked-up (red-lines), as required in the contract

specifications, depicting any significant deviations and changes in the Contract Drawings.

AECOM will provide the appropriate documentation for completion certification to the BCEPD. It is assumed that all required testing will be by the contractor and results will be provided to AECOM. A reasonable level of effort in accordance with our estimate is assumed to complete this task.

### **Deliverables**

AECOM will provide the following deliverables for each lift station:

- Shop drawing and RFI responses as required (electronically transmitted where practical)
- BCEPD permit applications to the County for final certification

### **Project Team**

The project team will be led by AECOM's project manager Mr. Jim Penkosky, P.E. AECOM proposes to use Dukelberger Engineering & Testing for geotechnical work and Gibbs Land Surveyors (a City of Hollywood firm) for surveying work.

### **C. Basic Assumptions**

#### *Design Services:*

1. Based on recent runtime data and Master Plan review, lift station A-10 design operating point is 420 gpm at 50 TDH and lift station A-11 design operating point is 200 gpm at 20 TDH. This information along with the City's December 2007 Wastewater Master Plan will be acceptable by the County EPD for permitting. AECOM will request for written concurrence from the City on the final design points.
2. Wastewater system modeling will not be necessary
3. AECOM will do our best to place the new lift station within existing easements or rights-of-way. However if necessary, the City will acquire all necessary easements to facilitate the new lift station layout.
4. The lift station wetwells will be designed for a 6 minute pump cycle, NAPOT of 10 hours, for City provided flow rates provided above
5. All pumps will be constant speed; the lift station wetwell and valve vault will be precast concrete
6. Pump Station design will be similar to those lift stations designed by AECOM such as LS A-9 though a J-Series type arrangement may be used.
7. Sheet pile design, if necessary, will be by the selected contractor during construction
8. A plug-in generator connection compatible with existing City equipment will be used; existing electrical and instrumentation equipment will be used as directed by COH ICE Division including the requested 480v service
9. Sound attenuation, excessive fats, oils and greases (FOG), grit and trash accumulation, and odor control is not anticipated to be a concern for design
10. Site landscape features will be similar to LS A-9
11. Permitting is limited to providing the required information through permit applications to those agencies specified herein
12. City will pay for all permit fees and FPL fees
13. Public hearings will not be required
14. The City will provide front end (bidding) documents in word format
15. Compensation for engineering work in this proposal will be based on a lump sum method of payment. This estimate is based on an overall project budget level of effort for the fees proposed.

#### *Engineering Construction Services:*

1. Witness factory testing for the pumps or other equipment will not be necessary.
2. The city will pay all permit fees.
3. Public hearings will not be required.
4. The City will provide Resident Inspection Services and Construction Management of the project and will enter an agreement with the selected contractor.
5. Pay request review is by the City.
6. The city will conduct and minute all meetings.

7. Record drawings and redlines will be the sole responsibility of the contractor.
8. Compensation for engineering work in this proposal will be based on a lump sum method of payment. This estimate is based on an overall project budget level of effort for the fees proposed.

#### **D. Contract Reference**

This Task Order shall be performed under the terms and conditions described within the Professional Services Agreement for General Engineering Consultant Service contract 02-1214 dated February 2003 between the City of Hollywood and AECOM Technical Services, Inc. as amended.

#### **E. Obligations of the City**

1. The City shall provide AECOM in a timely manner, all available record data and information related to the project as necessary for the performance of the services specified herein.
2. The City shall review all documents presented by AECOM; obtain advice of an attorney, insurance counselor, and other as the City deems appropriate for such review and render decisions pertaining thereto within reasonable time so as not to delay the services of AECOM.

#### **F. Compensation**

AECOM proposes to perform the tasks for a total of \$102,570. A fee breakdown is attached.

AECOM's current rate structure dated February 2009 and represents the only increase since 2006 and will be held through the duration of this project in accordance with our Contract.

#### **G. Project Schedule**

The following project schedule has been developed:

<b><u>Schedule Task</u></b>	<b><u>Time Elapsed to Task Completion</u></b>
Notice to Proceed	0 weeks
Task 1 – Engineering Design	
Project Management	Continuous
Survey	6 weeks
Geotechnical	6 weeks
90% Design	14 weeks
90% Review Meeting	16 weeks
BCEPD Permitting	22 weeks

Bid Ready Documents

24 weeks

Task 2 – Bid Phase

32 weeks

Task 3 – Construction Services

TBD

## ATTACHMENTS

1. Geotechnical Proposal
2. Survey Proposal
3. Fee Analysis

**CITY OF HOLLYWOOD**  
**Lift Station Conversion/ Upgrade Program (Lift Station A-10 and A-11))**  
**Project 14-8044F**

**ATTACHMENT 1**

LABOR CATEGORY	HOURLY RATE	TASK Designations																TOTAL HOURS	TOTAL FEES
		1.1		1.2		1.3		1.4		1.5		1.6		1.7		1.8			
		Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs		
Consulting/Engineering:																			
Proj. Dir., Principal	\$193	2	\$386		\$0		\$0		\$0	2	\$386		\$0		\$0		\$0	4	\$772
Senior Technical Director (QA/QC)	\$193		\$0		\$0	8	\$1,544		\$0	2	\$386		\$0		\$0		\$0	10	\$1,930
Senior Project Manager	\$172	14	\$2,408	6	\$1,032		\$0	6	\$1,032	12	\$2,064	8	\$1,376	1	\$172	1	\$172	48	\$8,256
Senior Technical Specialist II	\$172		\$0	4	\$688		\$0	6	\$1,032	38	\$6,536	4	\$688		\$0	2	\$344	54	\$9,288
Senior Technical Specialist I	\$145		\$0		\$0		\$0		\$0	6	\$870	2	\$290		\$0		\$0	8	\$1,160
Senior Project Engineer	\$125		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Technical Specialist II	\$125		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Technical Specialist I	\$112		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Project Engineer II	\$112	2	\$224	6	\$672		\$0	8	\$896	70	\$7,840	26	\$2,912	4	\$448	2	\$224	118	\$13,216
Project Engineer	\$98		\$0		\$0		\$0		\$0	8	\$784	4	\$392		\$0		\$0	12	\$1,176
Senior Engineer	\$93		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Engineer II	\$86		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Engineer I	\$79		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Technical Services:																			
Senior Designer II	\$101		\$0		\$0		\$0	8	\$808	160	\$16,160	8	\$808	8	\$808	2	\$202	186	\$18,786
Designer	\$79		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Project Support Services:																			
Administrative	\$64	4	\$256	4	\$256		\$0		\$0	4	\$256	2	\$128		\$0	2	\$128	16	\$1,024
TOTAL PERSONNEL		22	\$3,274	20	\$2,648	8	\$1,544	28	\$3,768	302	\$35,282	54	\$6,594	13	\$1,428	9	\$1,070	456	\$55,608
Direct Costs:																			
Subcontractor (Gibbs)	cost		\$0		\$0		\$0		\$5,600		\$0		\$0		\$0		\$0		\$5,600
Subcontractor (Dunkelberger)	cost		\$0		\$0		\$0		\$5,200		\$0		\$0		\$0		\$0		\$5,200
ODCs	cost		\$50		\$50		\$50		\$100		\$75		\$50		\$100		\$125		\$600
10% markup on subcontractors	10%		\$0		\$0		\$0		\$1,080		\$0		\$0		\$0		\$0		\$1,080
TOTAL DIRECT COSTS			\$50		\$50		\$50		\$11,980		\$75		\$50		\$100		\$125		\$12,480
SUB TOTAL			\$3,324		\$2,698		\$1,594		\$15,748		\$35,357		\$6,644		\$1,528		\$1,195		\$68,088

**CITY OF HOLLYWOOD**  
**Lift Station Conversion/ Upgrade Program (Lift Station A-10 and A-11))**  
**Project 14-8044F**

**ATTACHMENT 1**

LABOR CATEGORY	HOURLY RATE	TASK Designations																TOTAL HOURS	TOTAL FEES
		2.0		3.1		3.2		3.3		3.4		3.5		3.6		3.7			
		Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs	Hours	Rt x Hrs		
Consulting/Engineering:																			
Proj. Dir., Principal	\$193		\$0	2	\$386		\$0		\$0		\$0		\$0		\$0		\$0	2	\$386
Senior Technical Director (QA/QC)	\$193		\$0		\$0		\$0	2	\$386		\$0		\$0		\$0		\$0	2	\$386
Senior Project Manager	\$172	8	\$1,376	8	\$1,376	8	\$1,376	8	\$1,376	16	\$2,752		\$0		\$0	3	\$516	51	\$8,772
Senior Technical Specialist II	\$172	3	\$516		\$0	4	\$688	16	\$2,752	28	\$4,816	8	\$1,376	4	\$688	2	\$344	65	\$11,180
Senior Technical Specialist I	\$145		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Senior Project Engineer	\$125		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Technical Specialist II	\$125		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Technical Specialist I	\$112		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Project Engineer II	\$112	5	\$560	2	\$224	8	\$896	16	\$1,792	40	\$4,480	8	\$896	4	\$448	8	\$896	91	\$10,192
Project Engineer	\$98	2	\$196		\$0		\$0		\$0	6	\$588		\$0		\$0		\$0	8	\$784
Senior Engineer	\$93		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Engineer II	\$86		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Engineer I	\$79		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Technical Services:																			
Senior Designer II	\$101	5	\$505		\$0		\$0		\$0	4	\$404		\$0		\$0	5	\$505	14	\$1,414
Designer	\$79		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0	0	\$0
Project Support Services:																			
Administrative	\$64	2	\$128	2	\$128		\$0		\$0	6	\$384		\$0		\$0	2	\$128	12	\$768
TOTAL PERSONNEL		25	\$3,281	14	\$2,114	20	\$2,960	42	\$6,306	100	\$13,424	16	\$2,272	8	\$1,136	20	\$2,389	245	\$33,882
Direct Costs:																			
Subcontractor (Gibbs)	cost		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0
Subcontractor (Dunkelberger)	cost		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0
ODCs	cost		\$0		\$50		\$125		\$125		\$125		\$50		\$25		\$100		\$600
10% markup on subcontractors	10%		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0		\$0
TOTAL DIRECT COSTS			\$0		\$50		\$125		\$125		\$125		\$50		\$25		\$100		\$600
SUB TOTAL			\$3,281		\$2,164		\$3,085		\$6,431		\$13,549		\$2,322		\$1,161		\$2,489		\$34,482

**Grand Total \$102,570**

**Standard Short-Form Agreement**

P34140037

Describing a specific agreement between Dunkelberger Engineering & Testing a Terracon Company (the Consultant), and AECOM (the Client), in accordance with Dunkelberger's Agreement for Services.

<b>Identification of Project:</b>	Subsurface Study New Sewage Lift Station A-10 6951 Fillmore Street Hollywood, Florida
<b>Client:</b>	AECOM 800 Douglas Road Entrance 2 <sup>nd</sup> Floor, North Tower Coral Gables, Florida 33134
<b>General category of services:</b>	Geotechnical Engineering
<b>Specific scope of services:</b>	<ul style="list-style-type: none"><li>• Field locate a single engineering boring at the site of the new sewage lift station and obtain underground utility clearance at that location through the Sunshine State One Network.</li><li>• Drill and sample a single 40-foot deep Standard Penetration Test (SPT) boring at the lift station location.</li><li>• Grout seal the boring from bottom to top once completed.</li><li>• Evaluate the geotechnical engineering impact of the subsurface conditions on the design and construction of the facility.</li><li>• Provide recommendations for the foundation design and related construction of the facility.</li></ul>
<b>Additional services (if required):</b>	None anticipated at this time.
<b>Schedule:</b>	Begin the field exploration within five business days of receiving written authorization to proceed. Drill and sample the boring in a single day, weather permitting. Submit the report of the subsurface study one week thereafter.
<b>Deliverables:</b>	A written report of the subsurface study.
<b>Method of compensation:</b>	A lump sum fee of \$ 2,600.00. This is contingent on the boring location being accessible to a truck-mounted drill rig without need for clearing of vegetation or dozer aid due to poor trafficability, and clear of overhead and underground utilities that would require offsetting the boring location to the travel lanes of the adjacent roadway.

**Special terms of compensation:** Invoice to be paid within 30 days of its date. Other terms and conditions relating to the engagement of Dunkelberger for this assignment are described in the Agreement for Services. The Agreement for Services is hereby incorporated into and made part of this proposal.

**Other instructions:** To authorize this proposal please sign below, execute the agreement for services and submit a copy of both to this office

Accepted with Dunkelberger Agreement for Services by:

**CLIENT:**

\_\_\_\_\_

By: \_\_\_\_\_  
(Authorized Representative's Signature)

Title: \_\_\_\_\_  
(Printed Name/Title)

Date: \_\_\_\_\_

**CONSULTANT:**

**DUNKELBERGER ENGINEERING &  
TESTING a Terracon Company**

By:  \_\_\_\_\_  
(Authorized Representative's Signature)

Title: Thomas J. Tepper, P.E. / Senior Engineer  
(Printed Name/Title)

Date: February 7, 2014

## AGREEMENT FOR SERVICES

This **AGREEMENT** is between AECOM ("Client") and Dunkelberger Engineering & Testing, Inc. ("Consultant") for Services to be provided by Consultant for Client on the New Sewage Lift Station A-10 project ("Project"), as described in the Project Information section of Consultant's Proposal dated 2/07/2014 ("Proposal") unless the Project is otherwise described in Exhibit A to this Agreement (which section or Exhibit is incorporated into this Agreement).

- 1. Scope of Services.** The scope of Consultant's services is described in the Scope of Services section of the Proposal ("Services"), unless Services are otherwise described in Exhibit B to this Agreement (which section or exhibit is incorporated into this Agreement). Portions of the Services may be subcontracted. Consultant's Services do not include the investigation or detection of, nor do recommendations in Consultant's reports address the presence or prevention of biological pollutants (e.g., mold, fungi, bacteria, viruses, or their byproducts) or occupant safety issues, such as vulnerability to natural disasters, terrorism, or violence. If Services include purchase of software, Client will execute a separate software license agreement. Consultant's findings, opinions, and recommendations are based solely upon data and information obtained by and furnished to Consultant at the time of the Services.
- 2. Acceptance/ Termination.** Client agrees that execution of this Agreement is a material element of the consideration Consultant requires to execute the Services, and if Services are initiated by Consultant prior to execution of this Agreement as an accommodation for Client at Client's request, both parties shall consider that commencement of Services constitutes formal acceptance of all terms and conditions of this Agreement. Additional terms and conditions may be added or changed only by written amendment to this Agreement signed by both parties. In the event Client uses a purchase order or other form to administer this Agreement, the use of such form shall be for convenience purposes only and any additional or conflicting terms it contains are stricken. This Agreement shall not be assigned by either party without prior written consent of the other party. Either party may terminate this Agreement or the Services upon written notice to the other. In such case, Consultant shall be paid costs incurred and fees earned to the date of termination plus reasonable costs of closing the project.
- 3. Change Orders.** Client may request changes to the scope of Services by altering or adding to the Services to be performed. If Client so requests, Consultant will return to Client a statement (or supplemental proposal) of the change setting forth an adjustment to the Services and fees for the requested changes. Following Client's review, Client shall provide written acceptance. If Client does not follow these procedures, but instead directs, authorizes, or permits Consultant to perform changed or additional work, the Services are changed accordingly and Consultant will be paid for this work according to the fees stated or its current fee schedule. If project conditions change materially from those observed at the site or described to Consultant at the time of proposal, Consultant is entitled to a change order equitably adjusting its Services and fee.
- 4. Compensation and Terms of Payment.** Client shall pay compensation for the Services performed at the fees stated in the Compensation section of the Proposal unless fees are otherwise stated in Exhibit C to this Agreement (which section or Exhibit is incorporated into this Agreement). If not stated in either, fees will be according to Consultant's current fee schedule. Fee schedules are valid for the calendar year in which they are issued. Fees do not include sales tax. Client will pay applicable sales tax as required by law. Consultant may invoice Client at least monthly and payment is due upon receipt of invoice. Client shall notify Consultant in writing, at the address below, within 15 days of the date of the invoice if Client objects to any portion of the charges on the invoice, and shall promptly pay the undisputed portion. Client shall pay a finance fee of 1.5% per month, but not exceeding the maximum rate allowed by law, for all unpaid amounts 30 days or older. Client agrees to pay all collection-related costs that Consultant incurs, including attorney fees. Consultant may suspend Services for lack of timely payment. It is the responsibility of Client to determine whether federal, state, or local prevailing wage requirements apply and to notify Consultant if prevailing wages apply. If it is later determined that prevailing wages apply, and Consultant was not previously notified by Client, Client agrees to pay the prevailing wage from that point forward, as well as a retroactive payment adjustment to bring previously paid amounts in line with prevailing wages. Client also agrees to defend, indemnify, and hold harmless Consultant from any alleged violations made by any governmental agency regulating prevailing wage activity for failing to pay prevailing wages, including the payment of any fines or penalties.
- 5. Third Party Reliance.** This Agreement and the Services provided are for Consultant and Client's sole benefit and exclusive use with no third party beneficiaries intended. Reliance upon the Services and any work product is limited to Client, and is not intended for third parties. For a limited time period not to exceed three months from the date of the report, Consultant will issue additional reports to others agreed upon with Client, however Client understands that such reliance will not be granted until those parties sign and return Consultant's reliance agreement and Consultant receives the agreed-upon reliance fee.
- 6. LIMITATION OF LIABILITY.** CLIENT AND CONSULTANT HAVE EVALUATED THE RISKS AND REWARDS ASSOCIATED WITH THIS PROJECT, INCLUDING CONSULTANT'S FEE RELATIVE TO THE RISKS ASSUMED, AND AGREE TO ALLOCATE CERTAIN OF THE ASSOCIATED RISKS. TO THE FULLEST EXTENT PERMITTED BY LAW, THE TOTAL AGGREGATE LIABILITY OF CONSULTANT (AND ITS RELATED CORPORATIONS AND EMPLOYEES) TO CLIENT AND THIRD PARTIES GRANTED RELIANCE IS LIMITED TO THE GREATER OF \$50,000 OR CONSULTANT'S FEE, FOR ANY AND ALL INJURIES, DAMAGES, CLAIMS, LOSSES, OR EXPENSES (INCLUDING ATTORNEY AND EXPERT FEES) ARISING OUT OF CONSULTANT'S SERVICES OR THIS AGREEMENT. UPON WRITTEN REQUEST FROM CLIENT, CONSULTANT MAY NEGOTIATE A HIGHER LIMITATION FOR ADDITIONAL CONSIDERATION. THIS LIMITATION SHALL APPLY REGARDLESS OF AVAILABLE PROFESSIONAL LIABILITY INSURANCE COVERAGE, CAUSE(S) OR THE THEORY OF LIABILITY, INCLUDING NEGLIGENCE, INDEMNITY, OR OTHER RECOVERY. THIS LIMITATION SHALL NOT APPLY TO THE EXTENT THE DAMAGE IS PAID UNDER CONSULTANT'S COMMERCIAL GENERAL LIABILITY POLICY.
- 7. Indemnity/Statute of Limitations.** Consultant and Client shall indemnify and hold harmless the other and their respective employees from and against legal liability for claims, losses, damages, and expenses to the extent such claims, losses, damages, or expenses are legally determined to be caused by their negligent acts, errors, or omissions. In the event such claims, losses, damages, or expenses are legally determined to be caused by the joint or concurrent negligence of Consultant and Client, they shall be borne by each party in proportion to its own negligence under comparative fault principles. Neither party shall have a duty to defend the other party, and no duty to defend is hereby created by this indemnity provision and such duty is explicitly waived under this Agreement. Causes of action arising out of Consultant's services or this Agreement regardless of cause(s) or the theory of liability, including negligence, indemnity or other recovery shall be deemed to have accrued and the applicable statute of limitations shall commence to run not later than the date of Consultant's substantial completion of services on the project.
- 8. Warranty.** Consultant will perform the Services in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions in the same locale. EXCEPT FOR THE STANDARD OF CARE STATED ABOVE, CONSULTANT MAKES NO WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, RELATING TO CONSULTANT'S SERVICES AND CONSULTANT DISCLAIMS ANY IMPLIED WARRANTIES OR WARRANTIES IMPOSED BY LAW, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

**DUNKELBERGER**  
engineering & testing, Inc.

A Terracon Company

9. **Insurance.** Consultant represents that it now carries, and will continue to carry: (i) workers' compensation insurance in accordance with the laws of the states having jurisdiction over Consultant's employees who are engaged in the Services, and employer's liability insurance (\$1,000,000); (ii) commercial general liability insurance (\$1,000,000 occ / \$2,000,000 agg); (iii) automobile liability insurance (\$1,000,000 B.I. and P.D. combined single limit); and (iv) professional liability insurance (\$1,000,000 claim / agg). Certificates of insurance will be provided upon request. Client and Consultant shall waive subrogation against the other party on all general liability and property coverage.
10. **CONSEQUENTIAL DAMAGES.** NEITHER PARTY SHALL BE LIABLE TO THE OTHER FOR LOSS OF PROFITS OR REVENUE; LOSS OF USE OR OPPORTUNITY; LOSS OF GOOD WILL; COST OF SUBSTITUTE FACILITIES, GOODS, OR SERVICES; COST OF CAPITAL; OR FOR ANY SPECIAL, CONSEQUENTIAL, INDIRECT, PUNITIVE, OR EXEMPLARY DAMAGES.
11. **Dispute Resolution.** Client shall not be entitled to assert a Claim against Consultant based on any theory of professional negligence unless and until Client has obtained the written opinion from a registered, independent, and reputable engineer, architect, or geologist that Consultant has violated the standard of care applicable to Consultant's performance of the Services. Client shall provide this opinion to Consultant and the parties shall endeavor to resolve the dispute within 30 days, after which Client may pursue its remedies at law. This Agreement shall be governed by and construed according to Kansas law.
12. **Subsurface Explorations.** Subsurface conditions throughout the site may vary from those depicted on logs of discrete borings, test pits, or other exploratory services. Client understands Consultant's layout of boring and test locations is approximate and that Consultant may deviate a reasonable distance from those locations. Consultant will take reasonable precautions to reduce damage to the site when performing Services; however, Client accepts that invasive services such as drilling or sampling may damage or alter the site. Site restoration is not provided unless specifically included in the Services.
13. **Testing and Observations.** Client understands that testing and observation are discrete sampling procedures, and that such procedures indicate conditions only at the depths, locations, and times the procedures were performed. Consultant will provide test results and opinions based on tests and field observations only for the work tested. Client understands that testing and observation are not continuous or exhaustive, and are conducted to reduce - not eliminate - project risk. Client agrees to the level or amount of testing performed and the associated risk. Client is responsible (even if delegated to contractor) for requesting services, and notifying and scheduling Consultant so Consultant can perform these Services. Consultant is not responsible for damages caused by services not performed due to a failure to request or schedule Consultant's services. Consultant shall not be responsible for the quality and completeness of Client's contractor's work or their adherence to the project documents, and Consultant's performance of testing and observation services shall not relieve Client's contractor in any way from its responsibility for defects discovered in its work, or create a warranty or guarantee. Consultant will not supervise or direct the work performed by Client's contractor or its subcontractors and is not responsible for their means and methods.
14. **Sample Disposition, Affected Materials, and Indemnity.** Samples are consumed in testing or disposed of upon completion of tests (unless stated otherwise in the Services). Client shall furnish or cause to be furnished to Consultant all documents and information known or available to Client that relate to the identity, location, quantity, nature, or characteristic of any hazardous waste, toxic, radioactive, or contaminated materials ("Affected Materials") at or near the site, and shall immediately transmit new, updated, or revised information as it becomes available. Client agrees that Consultant is not responsible for the disposition of Affected Material unless specifically provided in the Services, and that Client is responsible for directing such disposition. In the event that test samples obtained during the performance of Services (i) contain substances hazardous to health, safety, or the environment, or (ii) equipment used during the Services cannot reasonably be decontaminated, Client shall sign documentation (if necessary) required to ensure the equipment and/or samples are transported and disposed of properly, and agrees to pay Consultant the fair market value of this equipment and reasonable disposal costs. In no event shall Consultant be required to sign a hazardous waste manifest or take title to any Affected Materials. Client shall have the obligation to make all spill or release notifications to appropriate governmental agencies. The Client agrees that Consultant neither created nor contributed to the creation or existence of any Affected Materials conditions at the site. Accordingly, Client waives any claim against Consultant and agrees to indemnify and save Consultant, its agents, employees, and related companies harmless from any claim, liability or defense cost, including attorney and expert fees, for injury or loss sustained by any party from such exposures allegedly arising out of Consultant's non-negligent performance of services hereunder, or for any claims against Consultant as a generator, disposer, or arranger of Affected Materials under federal, state, or local law or ordinance.
15. **Ownership of Documents.** Work product, such as reports, logs, data, notes, or calculations, prepared by Consultant shall remain Consultant's property. Proprietary concepts, systems, and ideas developed during performance of the Services shall remain the sole property of Consultant. Files shall be maintained in general accordance with Consultant's document retention policies and practices.
16. **Utilities.** Client shall provide the location and/or arrange for the marking of private utilities and subterranean structures. Consultant shall take reasonable precautions to avoid damage or injury to subterranean structures or utilities. Consultant shall not be responsible for damage to subterranean structures or utilities that are not called to Consultant's attention, are not correctly marked, including by a utility locate service, or are incorrectly shown on the plans furnished to Consultant.
17. **Site Access and Safety.** Client shall secure all necessary site related approvals, permits, licenses, and consents necessary to commence and complete the Services and will execute any necessary site access agreement. Consultant will be responsible for supervision and site safety measures for its own employees, but shall not be responsible for the supervision or health and safety precautions for any other parties, including Client, Client's contractors, subcontractors, or other parties present at the site.

Consultant: **Dunkelberger Engineering & Testing, Inc.**  
By: Thomas J. Tepper Date: **02/07/2014**  
Name/Title: **Thomas J. Tepper, Senior Engineer**  
Address: **5371 SW 33<sup>rd</sup> Avenue, Suite 201**  
**Fort Lauderdale, FL 33309**  
Phone: **954-730-9114** Fax: \_\_\_\_\_  
Email: **tomt@detinc.net**

Client: \_\_\_\_\_  
By: \_\_\_\_\_ Date: \_\_\_\_\_  
Name/Title: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

Reference Number: [Number]

## Standard Short-Form Agreement

P34140038

Describing a specific agreement between Dunkelberger Engineering & Testing a Terracon Company (the Consultant), and AECOM (the Client), in accordance with Dunkelberger's Agreement for Services.

<b>Identification of Project:</b>	Subsurface Study New Sewage Lift Station A-11 7415 McKinley Street Hollywood, Florida
<b>Client:</b>	AECOM 800 Douglas Road Entrance 2 <sup>nd</sup> Floor, North Tower Coral Gables, Florida 33134
<b>General category of services:</b>	Geotechnical Engineering
<b>Specific scope of services:</b>	<ul style="list-style-type: none"><li>• Field locate a single engineering boring at the site of the new sewage lift station and obtain underground utility clearance at that location through the Sunshine State One Network.</li><li>• Drill and sample a single 40-foot deep Standard Penetration Test (SPT) boring at the lift station location.</li><li>• Grout seal the boring from bottom to top once completed.</li><li>• Evaluate the geotechnical engineering impact of the subsurface conditions on the design and construction of the facility.</li><li>• Provide recommendations for the foundation design and related construction of the facility.</li></ul>
<b>Additional services (if required):</b>	None anticipated at this time.
<b>Schedule:</b>	Begin the field exploration within five business days of receiving written authorization to proceed. Drill and sample the boring in a single day, weather permitting. Submit the report of the subsurface study one week thereafter.
<b>Deliverables:</b>	A written report of the subsurface study.
<b>Method of compensation:</b>	A lump sum fee of \$ 2,600.00. This is contingent on the boring location being accessible to a truck-mounted drill rig without need for clearing of vegetation or dozer aid due to poor trafficability, and clear of overhead and underground utilities that would require offsetting the boring location to the travel lanes of the adjacent roadway.

**Special terms of compensation:** Invoice to be paid within 30 days of its date. Other terms and conditions relating to the engagement of Dunkelberger for this assignment are described in the Agreement for Services. The Agreement for Services is hereby incorporated into and made part of this proposal.

**Other instructions:** To authorize this proposal please sign below, execute the agreement for services and submit a copy of both to this office

Accepted with Dunkelberger Agreement for Services by:

**CLIENT:**

**CONSULTANT:**

**DUNKELBERGER ENGINEERING &  
TESTING a Terracon Company**

By: \_\_\_\_\_  
(Authorized Representative's Signature)

By:  \_\_\_\_\_  
(Authorized Representative's Signature)

Title: \_\_\_\_\_  
(Printed Name/Title)

Title: Thomas J. Tepper, P.E. / Senior Engineer  
(Printed Name/Title)

Date: \_\_\_\_\_

Date: February 7, 2014

## AGREEMENT FOR SERVICES

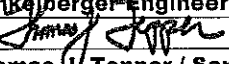
This **AGREEMENT** is between AECOM ("Client") and Dunkelberger Engineering & Testing, Inc. ("Consultant") for Services to be provided by Consultant for Client on the New Sewage Lift Station A-11 project ("Project"), as described in the Project Information section of Consultant's Proposal dated 2/07/2014 ("Proposal") unless the Project is otherwise described in Exhibit A to this Agreement (which section or Exhibit is incorporated into this Agreement).

- 1. Scope of Services.** The scope of Consultant's services is described in the Scope of Services section of the Proposal ("Services"), unless Services are otherwise described in Exhibit B to this Agreement (which section or exhibit is incorporated into this Agreement). Portions of the Services may be subcontracted. Consultant's Services do not include the investigation or detection of, nor do recommendations in Consultant's reports address the presence or prevention of biological pollutants (e.g., mold, fungi, bacteria, viruses, or their byproducts) or occupant safety issues, such as vulnerability to natural disasters, terrorism, or violence. If Services include purchase of software, Client will execute a separate software license agreement. Consultant's findings, opinions, and recommendations are based solely upon data and information obtained by and furnished to Consultant at the time of the Services.
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**DUNKELBERGER**  
engineering & testing, inc.

A Terracon Company

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11. **Dispute Resolution.** Client shall not be entitled to assert a Claim against Consultant based on any theory of professional negligence unless and until Client has obtained the written opinion from a registered, independent, and reputable engineer, architect, or geologist that Consultant has violated the standard of care applicable to Consultant's performance of the Services. Client shall provide this opinion to Consultant and the parties shall endeavor to resolve the dispute within 30 days, after which Client may pursue its remedies at law. This Agreement shall be governed by and construed according to Kansas law.
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15. **Ownership of Documents.** Work product, such as reports, logs, data, notes, or calculations, prepared by Consultant shall remain Consultant's property. Proprietary concepts, systems, and ideas developed during performance of the Services shall remain the sole property of Consultant. Files shall be maintained in general accordance with Consultant's document retention policies and practices.
16. **Utilities.** Client shall provide the location and/or arrange for the marking of private utilities and subterranean structures. Consultant shall take reasonable precautions to avoid damage or injury to subterranean structures or utilities. Consultant shall not be responsible for damage to subterranean structures or utilities that are not called to Consultant's attention, are not correctly marked, including by a utility locate service, or are incorrectly shown on the plans furnished to Consultant.
17. **Site Access and Safety.** Client shall secure all necessary site related approvals, permits, licenses, and consents necessary to commence and complete the Services and will execute any necessary site access agreement. Consultant will be responsible for supervision and site safety measures for its own employees, but shall not be responsible for the supervision or health and safety precautions for any other parties, including Client, Client's contractors, subcontractors, or other parties present at the site.

Consultant: **Dunkelberger Engineering & Testing, Inc.**  
By:  Date: **02/07/2014**  
Name/Title: **Thomas J. Tepper / Senior Engineer**  
Address: **5371 SW 33<sup>rd</sup> Avenue, Suite 201**  
**Fort Lauderdale, FL 33309**  
Phone: **954-730-9114** Fax: \_\_\_\_\_  
Email: **tomt@detinc.net**

Client: \_\_\_\_\_  
By: \_\_\_\_\_ Date: \_\_\_\_\_  
Name/Title: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_ Fax: \_\_\_\_\_  
Email: \_\_\_\_\_

Reference Number: [Number]

# **GIBBS LAND SURVEYORS**

2131 HOLLYWOOD BOULEVARD SUITE 204 HOLLYWOOD, FLORIDA 33020  
PHONE: 954-923-7666 FAX: 954-923-7668 SGIBBS@GIBBSLANDSURVEYORS.COM

February 7, 2014

Jim Penkosky, P.E.  
AECOM  
800 Douglas Road Entrance, 2<sup>nd</sup> Floor – North Tower  
Coral Gables, FL 33134

RE: **Survey of Lift Station A-10, City of Hollywood**

Dear Mr. Penkosky:

We are pleased to submit the following proposal for Professional Land Surveying services on the above referenced project.

## **LIMITS OF WORK**

Area around Lift Station A-10 -- at about 6951 Fillmore Street; limits of Topographic Survey to be from N 69 Way to N 69 Terrace, intersection to intersection – R/W to R/W, plus 5 feet beyond, where accessible.

## **SCOPE OF WORK**

1. Prepare a 'Record Survey'/'Special Purpose Survey' of the above sites.
  2. Survey to include property lines and easements of record as shown on record plats. There may be other instruments of record not shown on record plats that may be found in the public records of Broward County. A title search for unknown easements or agreements is not included in this proposal.
  3. The survey to include a description of the above site showing Section, Township, Range and Tax Folio Number as provided from Broward County Records.
  4. The survey shall be performed using State Plane Coordinates and to include benchmarks and control points.
  5. Provide (locate by survey) visible electrical conduits, poles, lights, cables, utility markers, overhead utility lines, transformers, lighting control panels, etc.
  6. Provide location of catch basins, storm sewer inlets and associated piping\* in, and which crosses through the area to be surveyed including the inverts of all associated pipes.
  7. Provide location of sanitary sewer manholes (on-site and in the street) and sanitary sewer wet well and associated piping\* which crosses through the area to be surveyed including the inverts of pipes.
  8. Provide (if possible) all valves, pipes and force mains, to include pipe type and diameter), within the wet wells.
  9. Provide valves and valve boxes including depth of box and top of pipe elevations.
- (\* - if visible or marked by others)

Jim Penkosky  
AECOM  
City of Hollywood Lift Station A-10  
February 7, 2014

10. Provide water meters, backflow preventers and spigots including depth of box and elevations of pipes and valves.
11. Provide location of fences and gates (type of fence and gates to be shown on survey).
12. Provide location of shrubs and trees identifying tree trunk diameter, names of trees or botanical classification.
13. Provide perimeter of the property from right-of-way to right-of-way.
14. Provide location of edge of pavement and centerline of roads, curbs, gutter and any appurtenances of the area surveyed.
15. Provide elevations of the existing wet well slab in the survey area, temporary benchmarks, reference benchmarks and spot elevations on a 20 foot grid, R/W to R/W, (+5 ft where accessible) (elevations referenced to NAVD88 Datum).
16. Provide the following:
  - (a) Survey to be drawn utilizing Autodesk layout tabs. Drawing borders in paper space, site data in model space. Each paperspace tab to be drawn at 1"=10'. All surveyed data including all utilities above ground and below ground shall be drawn and labeled.
  - (b) 5 signed and sealed survey plans of the project site containing the above survey information drawn at a scale of 1"=10'.
  - (c) An AutoCAD drawing file of the site. Each of the entities, colors and line types shall be controlled "by layer" and conform to National CAD standards. All site specific fonts shall plot at 3/32" height. ARX or COGO files produced for the survey.
  - (d) Digital photos (electronic files).

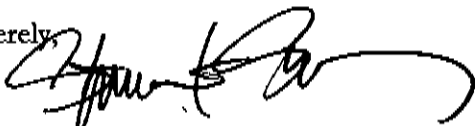
The above SCOPE OF WORK will be performed for a fee of **\$2,800.00**

Any additional surveying as requested will be performed at the following hourly rates:

Principal	\$125.00/hour
Survey Crew Supervisor	60.00/hour
Field Crew	85.00/hour
Cad Drafter - Survey Technician	60.00/hour
Secretary	35.00/hour

If the above meets with your approval, please sign below and return one copy to this office.

Sincerely,



Stephen K. Seeley, PSM

Accepted: \_\_\_\_\_ Date: \_\_\_\_\_

# **GIBBS LAND SURVEYORS**

2131 HOLLYWOOD BOULEVARD SUITE 204 HOLLYWOOD, FLORIDA 33020  
PHONE: 954-923-7666 FAX: 954-923-7668 SGIBBS@GIBBSLANDSURVEYORS.COM

February 7, 2014

Jim Penkosky, P.E.  
AECOM  
800 Douglas Road Entrance, 2<sup>nd</sup> Floor – North Tower  
Coral Gables, FL 33134

RE: **Survey of Lift Station A-11, City of Hollywood**

Dear Mr. Penkosky:

We are pleased to submit the following proposal for Professional Land Surveying services on the above referenced project.

## **LIMITS OF WORK**

Area around Lift Station A-11 – at about 7415 McKinley Street; limits of Topographic Survey to be from N 73 Way to N 74 Terrace, intersection to intersection – R/W to R/W, plus 5 feet beyond, where accessible.

## **SCOPE OF WORK**

1. Prepare a 'Record Survey'/'Special Purpose Survey' of the above sites.
2. Survey to include property lines and easements of record as shown on record plats. There may be other instruments of record not shown on record plats that may be found in the public records of Broward County. A title search for unknown easements or agreements is not included in this proposal.
3. The survey to include a description of the above site showing Section, Township, Range and Tax Folio Number as provided from Broward County Records.
4. The survey shall be performed using State Plane Coordinates and to include benchmarks and control points.
5. Provide (locate by survey) visible electrical conduits, poles, lights, cables, utility markers, overhead utility lines, transformers, lighting control panels, etc.
6. Provide location of catch basins, storm sewer inlets and associated piping\* in, and which crosses through the area to be surveyed including the inverts of all associated pipes.
7. Provide location of sanitary sewer manholes (on-site and in the street) and sanitary sewer wet well and associated piping\* which crosses through the area to be surveyed including the inverts of pipes.
8. Provide (if possible) all valves, pipes and force mains, to include pipe type and diameter), within the wet wells.
9. Provide valves and valve boxes including depth of box and top of pipe elevations.

(\* - if visible or marked by others)

Jim Penkosky  
AECOM  
City of Hollywood Lift Station A-11  
February 7, 2014

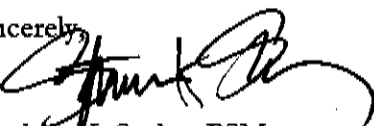
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Sincerely,

  
Stephen K. Seeley, PSM

Accepted: \_\_\_\_\_ Date: \_\_\_\_\_