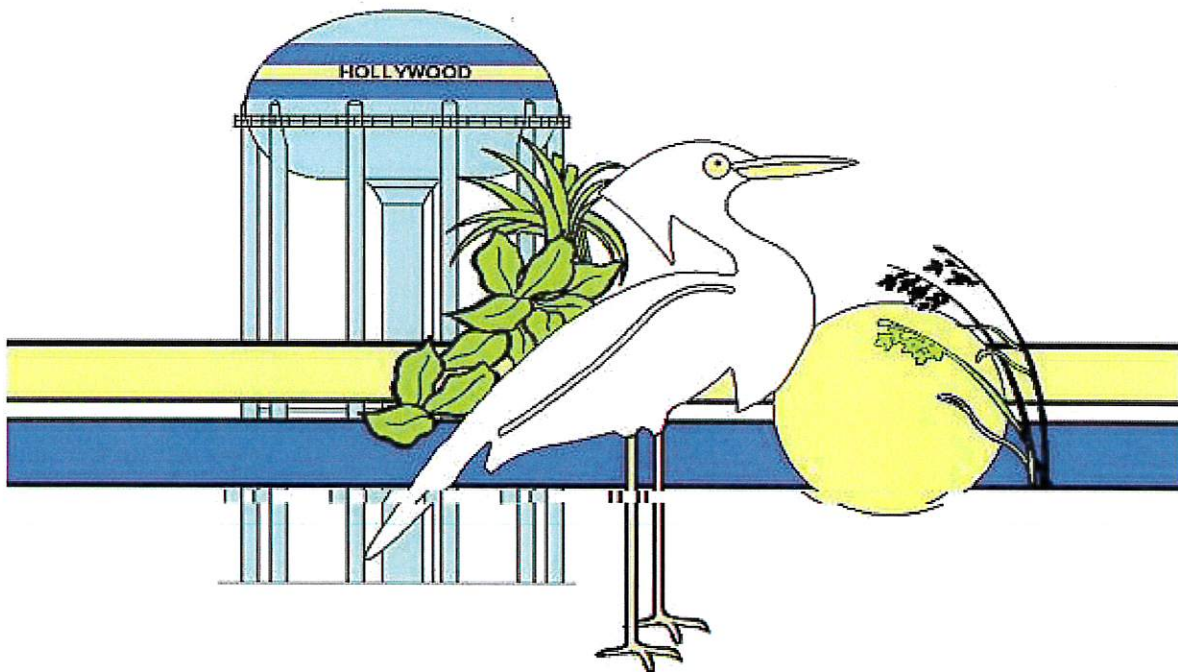


PROJECT 16-8062

CITY OF HOLLYWOOD
CONTRACT DOCUMENTS AND SPECIFICATIONS
FOR
LIFT STATION A-5 UPGRADE
JANUARY 2018



Prepared by:

ENGINEERING AND CONSTRUCTION SERVICES DIVISION

1621 N 14th Avenue
PO Box 229045
Hollywood, FL 33022-9045

&

AECOM Technical Services, Inc.

800 Douglas Road, North Tower, Second Floor
Coral Gables, FL 33134

BID PACKAGE
FOR
LIFT STATIONS A-5 UPGRADE

**2600 Hollywood Boulevard
Hollywood, FL 33020**

PROJECT NO.: 16-8062

SUBMITTED BY: TV Diversified, LLC

JANUARY 2018

BID PACKAGE CONTENTS AND REQUIREMENTS

SECTION	TITLE
00030	Notice to Bidders
00100	Instruction to Bidders
00200	Cone of Silence
00300	Proposal
00301	Bid Form
00410	Approved Bid Bond
00420	Information Required of Bidders
00435	Local Preference
00495	Trench Safety Form

SUBMIT THIS COMPLETE PACKAGE ABOVE AND TWO COPIES WITH YOUR BID



CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING AND CONSTRUCTION SERVICES DIVISION

SECTION 00030

NOTICE TO BIDDERS

PROJECT NAME: Lift Station A-5 Upgrade

PROJECT NUMBER: 16-8062

NOTICE IS HEREBY GIVEN that the City Commission of the City of Hollywood, Florida, is advertising for sealed bids which shall be **submitted to the City Clerk's Office** (City Hall, 2600 Hollywood Blvd., Room 221) of the City of Hollywood, Florida, **until 2:00 p.m.**, local time, **March 6, 2018**. On **March 6, 2018 at 2:30 p.m.** the bids will be opened and read publicly in the Department of Public Utilities, Engineering and Construction Services Division Conference Room at 1621 N. 14th Avenue, Building A, Hollywood, Florida.

A MANDATORY pre-bid conference will be held on February 15, 2018 at 2:00 p.m., at the Southern Regional Wastewater Treatment Plant, located at 1621 North 14th Avenue, Hollywood, Florida, 33020, ESSD Conference Room, Building A.

The Bid Package and Contract documents can be downloaded at: www.hollywoodfl.org/Purchasing/Bids
The Bid Package and Contract documents may also be obtained upon request at a cost of \$200 from the Department of Public Utilities - ECSD at 1621 North 14th Avenue in Hollywood. Technical assistance shall be submitted in writing, by **February 26, 2018** to the Senior Project Manager, Feng Jiang, P.E., fjiang@hollywoodfl.org

Each bid must be accompanied by a Bid Security in an amount no less than ten percent (10%) of the bid amount. Said security shall be in the form of a Certified Check or Cashier's Check on a solvent National or State Bank, or a bid bond executed by the Bidder and a qualified Surety, satisfactory and payable to the City of Hollywood, Florida.

A Cone of Silence is in effect with respect to this bid. The Cone of Silence prohibits certain communications between potential vendors and the City. For further information, please refer to Section 30.15(F) of the City's Code of Ordinances.

The City of Hollywood is strongly committed to ensuring the participation of local Hollywood vendors in the procurement of goods and services. For additional information about the City's Local Preference Ordinance, visit www.hollywoodfl.org.

It will be the Bidder's sole responsibility to hand-deliver or mail his/her proposal to the City Clerk's Office at City Hall on or before the closing hour and date for the receipt of bids as noted above.

The City Commission reserves the right to reject any or all bids, to waive informalities and to accept or reject all or any part of any bid, as they may deem to be in the best interest of the City of Hollywood, Florida.

Dated this 5th Day of February 2018

CITY OF HOLLYWOOD, FLORIDA

Clece Aurelus, P.E.
Engineering Support Services Manager
Department of Public Utilities

SECTION 00100

INSTRUCTIONS TO BIDDERS

1. **PREPARATION OF BIDS:**

Bids must be submitted on the separate and enclosed **BIDDING PACKAGE** forms, which shall be completed **by typewriter** or legibly handwritten in ink. The Bid price of each item on the form must be stated in words and numerals; in case of a conflict, words will take precedence. Where unit prices and extended totals are required, unit prices take precedence. Likewise, discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

If the Bid is made by an individual, he must sign his name therein and state his address. If the Bid is made by a firm or partnership, its name and address must be stated, as well as the name and address of each member of the firm or partnership. Bids by corporations must be signed by an authorized corporate officer (accompanied by evidence of authority to sign) and the corporate seal must be affixed and attested by the Secretary or an Assistant Secretary of the corporation. The corporate address and state of incorporation shall be shown below the signature. When the state of incorporation is other than Florida, proof of registry with Florida must be attached.

2. **RECEIPT AND OPENING OF BIDS:**

The separate **BIDDING PACKAGE** consisting of the PROPOSAL, PROPOSAL BID FORM, APPROVED BID BOND, TRENCH SAFETY FORM, INFORMATION REQUIRED FROM BIDDERS AND LIST OF SUBCONTRACTORS AND/OR MATERIAL SUPPLIERS shall be completed, signed and sealed as required and must be delivered in a sealed, opaque envelope, addressed to the City Clerk of Hollywood, Florida, by the time called for in the Notice to Bidders and shall be properly identified on the face thereof.

Proposals will be publicly opened and immediately read aloud at the time and place designated in the Notice to Bidders. ~~No proposal will be considered which is not based upon these Drawings and Specifications, or which contains any letter or written memorandum qualifying the same, or which is not properly made out and signed in writing by the Bidder.~~

3. **PRE-BID CONFERENCE:**

A Mandatory Pre-bid Conference will be held at the City of Hollywood Southern Regional Wastewater Treatment Plant, 1621 N. 14th Avenue, Hollywood, Florida, 33020 on February 15, 2018 at 2:00 p.m. It is mandatory that all Contractors planning to submit a bid attend the meeting.

4. CONTRACT DOCUMENTS:

The Contract Documents give the location and description of the work to be done under this Contract and estimated quantities of each item of work for which Bids are invited, the time in which the work must be completed, the amount of the Bid Guaranty, if any, and the date, time and place of the receipt and opening of the Bids.

5. EXAMINATION OF CONTRACT DOCUMENTS AND SITE:

The Bidder is required to carefully examine the site of the work and the Contract Documents for the work contemplated. It will be assumed that the Bidder has investigated and is fully informed as to the requirements of the Contract Documents, laws, ordinances, codes and any other factors which may affect the performance of the work. Failure to be so informed will not relieve a successful Bidder of his obligation to furnish all material, equipment and labor necessary to carry out the provision of the Contract Documents and to complete the contemplated work for the consideration set forth in his Bid.

6. DIMENSIONS, QUANTITIES AND SUBSURFACE INFORMATION:

Dimensions, quantities and subsurface information supplied by the City are in no way warranted to indicate true amounts or conditions. Bidders/Contractors shall neither plead misunderstanding or deception, nor make claims against the City if the actual amounts, conditions or dimensions do not conform to those stated. Any "Outside" reports made available by the Engineer are neither guaranteed as to accuracy or completeness, nor a part of the Contract Documents.

7. ADDENDA - CHANGES WHILE BIDDING:

During the Bidding period, Bidders may be furnished addenda or bulletins for additions or alterations to the Plans or Specifications which shall be included in the work covered by the Proposal.

Any prospective Bidder in doubt as to the meaning of any part of the Drawings, Specifications or other Contract Documents may submit a written request to the Engineer for an interpretation. The Bidder submitting the request will be responsible for its prompt delivery. Any interpretation of the documents will be made by an addendum and a copy of such addendum will be mailed or delivered to each prospective Bidder who has received a set of documents. The City will not be responsible for any other explanations or interpretations of the proposed documents.

8. BID GUARANTY:

A Bid Guaranty in the form of a Cashier's Check, Certified Check or Bid Bond executed by the Bidder and a qualified Surety in the amount of **10%** of the Bid is required for this project in accordance with the Notice to Bidders.

9. TRENCH SAFETY FORM:

The Trench Safety Form included in the Bid Documents must be completed and signed. Noncompliance with this requirement may invalidate the bid.

10. QUALIFICATIONS AND DISQUALIFICATIONS OF BIDDERS:

The Contract will be awarded only to a Bidder, who in the opinion of the Engineer, is fully qualified to undertake the work and is in compliance with the City's Local Preference Criteria (when applicable). The City reserves the right before awarding the Contract to require a Bidder to submit such evidence of his qualifications as it may deem necessary and may consider any available evidence of his financial status, technical qualifications and other qualifications and abilities. Any one of the following causes, among others, may be considered as sufficient justification to disqualify a Bidder and reject his Bid:

- A. Submission of more than one Bid for the same work by an individual, firm, partnership or corporation under the same or different names.
- B. Evidence of collusion.
- C. Previous participation in collusive Bidding on work for the City of Hollywood, Florida.
- D. Submission of an unbalanced Bid in which the prices Bid for some items are out of proportion to the prices Bid for other items.
- E. Lack of competency. The Engineer may declare any Bidder ineligible, at any time during the process or receiving Bids or awarding the Contract, if developments arise which, in his opinion, adversely affects the Bidder's responsibility. The Bidder will be given an opportunity, by the Engineer, to present additional evidence before final action is taken.
- F. Lack of responsibility as shown by past work judged by the Engineer from the standpoint of workmanship and progress.
- G. Non-compliance with the City's Local Preference (when applicable).
- H. Uncompleted work for which the Bidder is committed by Contract, which is in the judgment of the Engineer, might hinder or prevent the prompt completion of work under this Contract.
- I. Being in arrears on any existing Contracts with the City, or any taxes, licenses or other monies due the City; in litigation with the City or having defaulted on a previous contract with the City.

11. LIFE AND WITHDRAWAL OF BID:

All Bids shall remain open for 90 days after the day of the Bid opening, however, the Engineer may, at his sole discretion, release any Bid and return the Bid Guaranty prior to that date. Any Bid may be modified or withdrawn prior to the time scheduled for the opening of Bids.

12. REJECTION OF IRREGULAR BIDS:

Bids will be considered irregular and may be rejected if they show omissions, alterations of form, additions not called for, conditions, limitations, unauthorized alternate Bids or other irregularities of any kind.

13. BIDDING ERRORS:

If after the opening of bids, a Bidder claims an error and requests to be relieved of the Award, or the Engineer believes that an error may have been made then, the Bidder shall present his work sheets and supplier quotations to the Engineer for verification. This information shall be presented on the same day as the bid opening or if the opening is in the afternoon then on the following business day. When the Engineer has suspected an error and requires the documents, Bidder's failure to produce them within the time specified shall make the Bidder non-responsive and thereby eligible for disqualification. Award may then be made to the next lowest responsive, responsible Bidder, or the work may be readvertised or it may be performed by City forces, as the Commission desires.

14. AWARD OF CONTRACT:

The City Commission reserves the right to reject any or all Bids, or any part of any Bid, to waive any informality in any Bid, or to re-advertise for all or any part of the work contemplated. If Bids are found to be acceptable by the City Commission, written notice of award will be given to the lowest responsive, responsible Bidder.

15. EXECUTION OF CONTRACT:

The Bidder to whom the Contract is awarded shall, within ten days of the date of award, execute and deliver three (3) copies of the following to the Engineer.

- A. The Contract
- B. Performance and Payment Bond
- C. Evidence of required Insurance
- D. Proof of authority to execute the Contract
- E. Proof of authority to execute the Bond on behalf of the Awardee

- F. List of Subcontractors, estimated Contract Value for each and proof that such subcontractors possess all required Federal, State, County and/or municipality licenses, including but not limited to certified of competency and occupational license.

The above documents must be furnished, executed and delivered before the Contract will be executed by the City. The Contract shall not be binding upon the City until it has been executed by the City and a copy of such fully executed Contract is delivered to the Contractor.

16. FAILURE TO EXECUTE CONTRACT, BID GUARANTY FORFEITED:

Should the Bidder to whom the Contract has been awarded refuse or fail to complete the requirements of Article 15 above within ten (10) days after Notice of Award, the additional time in days (including weekends) required to CORRECTLY complete the documents will be deducted, in equal amount, from the Contract Time, or the City may elect to revoke the Award. In the same manner as Article 13, the Bid Guaranty of any Bidder failing to execute the awarded Contract shall be retained by the City and the Contract awarded as the Commission desires.

17. GUARANTY OF FAITHFUL PERFORMANCE AND PAYMENT:

A Performance Bond and a Payment Bond each equal to 100 percent of the total Bid will be required of the Awardee. The Bond must be written through a company licensed to do business in the State of Florida and be rated at least "A", Class X, in the latest edition of "Best's Key Rating Guide", published by A.M. Best Company. As per Florida Statute Section 255.05, the Contractor shall be required to record the payment and performance bonds in the public records of Broward County.

18. INSURANCE:

Bidder must satisfy all insurance requirements as set forth in the Supplementary and General Conditions.

The insurance policy shall not contain any exceptions that would exclude coverage for risks that can be directly or reasonably related to the scope of goods or services in this bid/proposal. A violation of this requirement at any time during the term, or any extension thereof shall be grounds for the immediate termination of any contract entered in to pursuant to this bid/proposal. In order to show that this requirement has been met, along with an insurance declaration sheet demonstrating the existence of a valid policy of insurance meeting the requirements of this bid/proposal, the successful proposer must submit a signed statement from insurance agency of record that the full policy contains no such exception.

19. QUALIFICATIONS:

At the time of submission of the bid, Bidder must possess, and be able to provide City, any and all required Federal, State, County and/or municipal licenses, including but not limited to certificates of competency and occupational licenses. Moreover, upon receipt of the Award of the Contract, Bidder must provide proof of valid licensing for all subcontractors and/or material suppliers hired by the Contractor.

When the Bidder is a Joint Venture, in order to satisfy the construction licensing requirements one member of a Joint Venture must hold a valid state certificate as well as the appropriate county and city license. The Contractor shall be held responsible for assurance that all subcontractors and/or material suppliers hired by the Contractor have the appropriate state certificate and licenses.

20. PERMITS:

The Contractor and Subcontractors must obtain Building Permits required for all work covered under this Contract as well as any other permit required by any other regulatory agency. The Master Building Permit required by the City shall be obtained by the Contractor but paid for by the City. Any and all other permits required by the City, County, State of Florida, or any other regulatory agency shall be obtained and paid for by the Contractor.

The Contractor or Subcontractors shall also be responsible to call for all inspections as required in Section 105 (Inspections) of the latest edition of the Florida Building Code.

- END OF SECTION -

SECTION 00200



NOTICE TO ALL BIDDERS AND PROPOSERS

Cone of Silence

The City of Hollywood City Commission adopted Ordinance No. O-2007-05, which created Section 30.15(E) imposing a Cone of Silence for certain City purchases of goods and services.

The Cone of Silence refers to limits on communications held between vendors and vendor's representatives and City elected officials, management and staff during the period in which a Formal Solicitation is open.

The Ordinance does allow potential vendors or vendor's representatives to communicate with designated employees for the limited purpose of seeking clarification or additional information. The names and contact information of those employees that may be contacted for clarification or additional information are included in the solicitation.

The Cone of Silence does not prohibit a vendor or vendor's representative from communicating verbally, or in writing to the City Manager, the City Manager's designee, the City Attorney or the City Attorney's designee on those procurement items to be considered by the City Commission.

The Cone of Silence does not prohibit a vendor or vendor's representative from making public presentations at a duly noticed pre-bid conference or duly noticed evaluation committee meeting or from communicating with the City Commission during a duly noticed public meeting.

The Cone of Silence shall be imposed when a formal competitive solicitation has been issued and shall remain in effect until an award is made, a contract is approved, or the City Commission takes any other action which ends the solicitation.

To view the Cone of Silence, Ordinance No. O-2007-05, go to the City of Hollywood's Official website at <http://www.hollywoodfl.org/ConeOfSilence>

- END OF SECTION -

SECTION 00300

PROPOSAL

TO THE MAYOR AND COMMISSIONERS
CITY OF HOLLYWOOD, FLORIDA

SUBMITTED 3/13/2018

Dear Mayor and Commissioners:

The undersigned, as BIDDER, hereby declares that the only person or persons interested in the Proposal as principal or principals is or are named herein and that no other person than herein mentioned has any interest in this Proposal or in the Contract to be entered into; that this Proposal is made without connection with any other person, company or parties making a Bid or Proposal; and that it is in all respects fair and in good faith without collusion or fraud.

The BIDDER further declares that he has examined the site of the Work and informed himself fully in regard to all conditions pertaining to the place where the Work is to be done; that he has examined the Drawings and Specifications for the Work and contractual documents relative thereto, including the Notice to Bidders, Instructions to Bidders, Proposal Bid Form, Form of Bid Bond, Form of Contract and Form of Performance Bond, General, Supplementary and Technical Specifications, Addenda, Drawings, and Local Preference, Exhibit A, and has read all of the Provisions furnished prior to the opening of bids; and that he has satisfied himself relative to the work to be performed.

The undersigned BIDDER has not divulged to, discussed or compared his bid with other bidders and has not colluded with any other BIDDER of parties to this bid whatever.

If this Proposal is accepted, the undersigned BIDDER proposes and agrees to enter into and execute the Contract with the City of Hollywood, Florida, in the form of Contract specified; of which this Proposal, Instructions to Bidders, General Specifications, ~~Supplementary Conditions and Drawings shall be made a part for the performance of~~ Work described therein; to furnish the necessary bond equal to one hundred (100) percent of the total Contract base bid, the said bond being in the form of a Cash Bond or Surety Bond prepared on the applicable approved bond form furnished by the CITY; to furnish all necessary materials, equipment, machinery, tools, apparatus, transportation, supervision, labor and all means necessary to construct and complete the work specified in the Proposal and Contract and called for in the Drawings and in the manner specified; to commence Work on the effective date established in the "Notice to Proceed" from the ENGINEER; and to substantially complete all Contract Work within 150 days with final completion within 180 days, as stated in the "Notice to Proceed" or pay liquidated damages for each calendar day in excess thereof, or such actual and consequential damages as may result therefrom, and to abide by the Local Preference (when applicable).

The BIDDER acknowledges receipt of the following addenda:

No. <u>1</u>	Dated <u>February 27, 2017</u>
No. <u>2</u>	Dated <u>March 5, 2017</u>
No. <u>3</u>	Dated <u>March 5, 2018</u>
No. _____	Dated _____
No. _____	Dated _____

And the undersigned agrees that in case of failure on his part to execute the said Contract and the Bond within ten (10) days after being presented with the prescribed Contract forms, the check or Bid Bond accompanying his bid, and the money payable thereon, shall be paid into the funds of the City of Hollywood, Florida, otherwise, the check or Bid Bond accompanying this Proposal shall be returned to the undersigned.

Attached hereto is a certified check on the

_____ Bank of _____

or approved Bid Bond for the sum of

10% of Total Bid Cost----- Dollars (\$10%) according to the conditions under the Instructions to Bidders and provisions therein.

NOTE: If a Bidder is a corporation, the legal name of the corporation shall be set forth below, together with signature(s) of the officer or officers authorized to sign Contracts on behalf of the corporation and corporate seal; if Bidder is a partnership, the true name of the firm shall be set forth below with the signature(s) of the partner or partners authorized to sign Contracts in behalf of the partnership; and if the Bidder is an individual, his signature shall be placed below; if a partnership, the names of the general partners.

WHEN THE BIDDER IS AN INDIVIDUAL:

N/A

(Signature of Individual)

(Printed Name of Individual)

(Address)

WHEN THE BIDDER IS A SOLE PROPRIETORSHIP OR OPERATES UNDER A TRADE NAME:

(Name of Firm)

N/A
(Address)

(Signature of Individual) (SEAL)

WHEN THE BIDDER IS A PARTNERSHIP:

N/A
(Name of Firm) A Partnership

(Address)

By: _____ (SEAL)
(Partner)

Name and Address of all Partners:

WHEN THE BIDDER IS A JOINT VENTURE:

(Correct Name of Corporation)

By: _____ (SEAL)
(Address)

(Official Title)

As Joint Venture
(Corporate Seal)

Organized under the laws of the State of _____, and authorized
by the law to make this bid and perform all Work and furnish materials and equipment
required under the Contract Documents.

WHEN THE BIDDER IS A CORPORATION:

TV Diversified, LLC
(Correct Name of Corporation)

By: Daniel Cathell  (SEAL)

CEO
(Official Title)

1530 53rd Street, West Palm Beach, FL 33407
(Address of Corporation)

Organized under the laws of the State of FLORIDA, and authorized by the law to make this bid and perform all Work and furnish materials and equipment required under the Contract Documents.

CERTIFIED COPY OF RESOLUTION OF
BOARD OF DIRECTORS

TV Diversified, LLC
(Name of Corporation)

RESOLVED that Daniel Cathell
(Person Authorized to Sign)

CEO of TV Diversified, LLC
(Title) (Name of Corporation)

be authorized to sign and submit the Bid or Proposal of this corporation for the following project:

CITY OF HOLLYWOOD
Lift Station A-5 Upgrade
PROJECT NO. 16-8062

The foregoing is a true and correct copy of the Resolution adopted by

TV Diversified, LLC at a meeting of its Board of _____
(Name of Corporation)

Directors held on the 8 day of January, 2016.

By: Daniel Cathell 

Title: CEO

(SEAL)

The above Resolution MUST BE COMPLETED if the Bidder is a Corporation.

- END OF SECTION -

SECTION 00301
CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING AND CONSTRUCTION SERVICES DIVISION
PROPOSAL BASE BID FORM

Project No.: 16-8062
Project Name: Lift Station A-5 Upgrade

BASE BID

Item No.	Estimated Quantity	Description	Unit Price	Extension or Total
1	Lump Sum	Completion of Lift Station A-5 and all associated work in its entirety to include all materials, labor, tools, equipment and for performing all operations necessary to complete the work in accordance with the Contract Documents.: One million one hundred ninety-four thousand Dollars and 00-----Cents	---	\$ 1,194,000.00
2	Lump Sum	Mobilization and Demobilization for Lift Station A-5 (50% paid after mobilization and 50% paid after demobilization). For all costs associated with the mobilization and transporting constructional plant, materials, equipment and supplies to the staging area, for all costs associated with the provision of all field services at the project site as specified, and for the demobilization and removal of all constructional plant, materials, equipment and supplies not incorporated in the project at the conclusion of the work, and for leaving all work areas clean, neat and tidy condition to the satisfaction of the ENGINEER. One hundred and forty-nine thousand three hundred and three. Dollars and 00-----Cents	---	\$ 149,303.00

Item No.	Estimated Quantity	Description	Unit Price	Extension or Total
3	Lump Sum	Temporary Bypass Pump System Setup and Removal (50% paid after setup and 50% paid after removal).		
	Forty Thousand Three Hundred Twenty-One	Dollars and		
	00	Cents	\$	\$ 40,321.00
4	4 Months	Bypass Pumping for all lift station bypass pumping activities to maintain the sanitary flow throughout the project duration. This item includes, but is not limited to, getting approval of the Engineer and the City for the bypass pumping plan, the cost of all labor, equipment, transportation and obtaining any permits required for installation and satisfactory operation of bypass pumps, one week trial operation satisfactory to the Engineer and City prior to any demolition of pump station equipment, maintenance of an emergency contact telephone to a responsible person, removal of all equipment and restoration of all area affected by bypass pumping installation and operation.		
	Four Hundred Ninety Six Thousand Two Hundred Thirty Two	Dollars and		
	NO	Cents	\$	\$ 496,232.00
5	20 Linear Feet	Completion of Lift Station A-5 8-inch DIP force main with DI fittings and restoration after valve vault including all materials, labor, tools, equipment and for performing all operations necessary to complete the work in accordance with the Contract Documents.:		
	Sixteen Thousand Three Hundred Eighty	Dollars and		
	NO	Cents	\$	\$ 16,380.00

Item No.	Estimated Quantity	Description	Unit Price	Extension or Total
6	15 Linear Feet	Completion of Lift Station A-5 8-inch PVC force main with DI fittings and restoration after valve vault including all materials, labor, tools, equipment and for performing all operations necessary to complete the work in accordance with the Contract Documents.: Five Thousand Eight Hundred Five Dollars and NO-----Cents	\$_____	\$ 5,805.00
7	15 Linear Feet	Completion of Lift Station A-5 10-inch PVC force main with DI fittings and restoration after valve vault including all materials, labor, tools, equipment and for performing all operations necessary to complete the work in accordance with the Contract Documents.: Forty Seven Thousand Eight Hundred Eighty Dollars and NO-----Cents	\$_____	\$ 47,880.00
8	25 Linear Feet	Completion of Lift Station A-5 PVC gravity sewer including all materials, labor, tools, equipment and for performing all operations necessary to complete the work in accordance with the Contract Documents.: Forty Nine Thousand Three Hundred Twenty Five Dollars and NO-----Cents	\$_____	\$ 49,325.00
9	750 Square Feet	Completion of Lift Station A-5 pavement restoration including all materials, labor, tools, equipment and for performing all operations necessary to complete the work in accordance with the Contract Documents.: Nineteen Thousand Five Hundred Dollars and NO-----Cents	\$_____	\$ 19,500.00

Item No.	Estimated Quantity	Description	Unit Price	Extension or Total
10	4 Each	Furnish and install line stops including all materials, labor, tools, equipment and for performing all operations necessary to complete the work in accordance with the Contract Documents.:		
		Ninety Seven Thousand Two Hundred Four Dollars and NO----- Cents	\$	\$ 97,204.00
11	Lump Sum	Furnish and install flow meter, associated structure, electrical and instrumentation including all materials, labor, tools, equipment and for performing all operations necessary to complete the work in accordance with the Contract Documents.:		
		Twenty-Six Thousand Seven Hundred Forty-Eight Dollars and NO----- Cents	\$	\$ 26,748.00
12	Allowance	Cost allowance for work as directed and upon authorization by the City due to undefined conditions of: Seventy five thousand ---- Dollars and No----- Cents	---	\$ 75,000.00
13	\$10	Consideration for Indemnification for the lump sum price of: Ten----- Dollars and No----- Cents	---	\$ 10.00
14	Lump Sum	Florida Power & Light allowance Forty thousand Dollars and No----- Cents	---	\$ 40,000.00
15	Allowance	Cost allowance for permit fees: Twenty-five thousand Dollars and No----- Cents	---	\$ 25,000.00

Item No.	Estimated Quantity	Description	Unit Price	Extension or Total
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TOTAL BID FOR PROPOSAL ITEMS 1 THROUGH 15

Written:

Two Million Two Hundred Eighty Two Thousand Seven Hundred Eight

_____ Dollars and
 NO-_____ Cents \$ 2,282,708.00

NOTES:

1. SUBSTANTIAL COMPLETION TIME AND PROJECT CLOSEOUT TIME FOR THE WORK SHALL BE AS DEFINED IN THE PROJECT SCHEDULE IN THE SUPPLEMENTARY GENERAL CONDITIONS (SGC'S).
2. THE CITY OF HOLLYWOOD REQUIRES THE CONTRACTOR TO PROVIDE THE UNIT PRICE/TOTAL IN TEXT AS WELL AS NUMERICAL FORMAT FOR EACH LINE ITEM LISTED IN THE PROPOSAL BID FORMS. FAILURE TO PROVIDE UNIT PRICE/TOTAL FOR EACH LINE ITEM IN TEXT AS WELL AS NUMERICAL FORMAT MAY RENDER THE ENTIRE BID PACKAGE NON-RESPONSIVE.
3. THE CITY OF HOLLYWOOD WILL EVALUATE THE BID PROPOSALS AND DETERMINE THE LOWEST, RESPONSIVE, RESPONSIBLE BIDDER FOR THE TOTAL BASE BID (ITEMS 1 THROUGH 15). IT IS THE CITY OF HOLLYWOOD'S INTENT TO AWARD THE PROJECT BASED UPON THE TOTAL BASE BID.
4. FOR A DETAILED DESCRIPTION OF EACH PROPOSAL BID ITEM, REFER TO SPECIFICATION SECTION 01025 – BASIS OF PAYMENT.

- END OF SECTION -

SECTION 00410

APPROVED BID BOND

(Construction)

STATE OF FLORIDA

KNOW ALL MEN BY THESE PRESENTS:

That we TV Diversified, LLC, as Principal, and The Guarantee Company of North America USA,

as Surety, are held and firmly bound unto the City of Hollywood in the sum of 10% of amount bid Dollars (\$ *****) lawful

money of the United States, amounting to 10% of the total Bid Price, for the payment of said sum, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the principal has submitted the accompanying bid, dated March 6th 20 18 for

Lift Station A-5 Upgrade
PROJECT NO. 16-8062

NOW, THEREFORE, if the principal shall not withdraw said bid within 90 days after date ~~of the same and shall within ten days after the prescribed forms are presented to him for~~ signature, enter into a written contract with the CITY, in accordance with the bid as accepted, and give bond with good and sufficient surety or sureties, and provide the necessary Insurance Certificates as may be required for the faithful performance and proper fulfillment of such Contract, then this obligation shall be null and void.

Approved Bid Bond

In the event of the withdrawal of said bid within the specified period, or the failure to enter into such contract and give such bond and insurance within the specified time, the principal and the surety shall pay to the City of Hollywood the difference between the amount specified in said bid and such larger amount for which the City of Hollywood may in good faith contract with another party to perform the work and/or supply the materials covered by said bid.

IN WITNESS WHEREOF, the above bound parties have executed this statement under their several seals this _____ 6th _____ day of _____ March _____, 20 18, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

WHEN THE PRINCIPAL IS AN INDIVIDUAL:

Signed, sealed and delivered in the presence of:

Witness

Signature of Individual

Address

Printed Name of Individual

Witness

Address

Approved Bid Bond

WHEN THE PRINCIPAL IS A CORPORATION:

Attest:

Secretary

TV Diversified, LLC

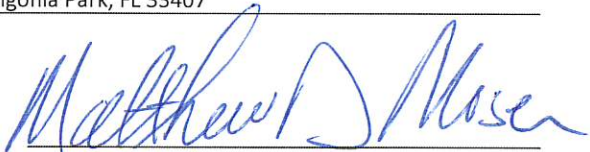
Name of Corporation

1530 53rd Street

Business Address

Mangonia Park, FL 33407

By:



(Affix Corporate Seal)

MATTHEW D Mose

Printed Name

COO

Official Title

CERTIFICATE AS TO CORPORATE PRINCIPAL

I, _____, certify that I am the secretary of the Corporation named as Principal in the attached bond; that _____ who signed the said bond on behalf of the Principal, was then _____ of said Corporation; that I know his signature, and his signature thereto is genuine and that said bond was duly signed, sealed and attested for and on behalf of said Corporation by authority of its governing body.

(SEAL)

Secretary

TO BE EXECUTED BY CORPORATE SURETY:

Attest:

Amanda Wehberg
Secretary

The Guarantee Company of North America USA
Corporate Surety
One Towne Square, Suite 1470
Business Address
Southfield, MI 48076-3732

BY: Craig Bancroft
(Affix Corporate Seal)

Craig Bancroft
Attorney-in-Fact
HMS Insurance Associates, Inc.
Name of Local Agency
20 Wight Avenue, Suite 300
Business Address
Hunt Valley, MD 21030

STATE OF FLORIDA

Before me, a Notary Public, duly commissioned, qualified and acting, personally appeared, _____
_____ to me well known, who being by me first duly sworn upon oath
says that he is the attorney-in-fact for the _____ and
that he has been authorized by _____ to execute the forgoing bond
on behalf of the CONTRACTOR named therein in favor of the City of Hollywood, Florida.
Subscribed and sworn to before me this _____ day of _____, 20____

Notary Public, State of Florida

My Commission Expires:

- END OF SECTION -

ACKNOWLEDGEMENT

STATE OF MARYLAND
COUNTY OF BALTIMORE

On this 6th day of March, 2018 before me, the undersigned officer, personally appeared Craig Bancroft, Attorney in Fact known to me to be the person whose name is subscribed to the within instrument and acknowledged that he executed the same for the purpose therein contained.

In witness whereof I hereunto set my hand and official seal.



Rebecca E. Poremski

Notary Public, Baltimore County, Maryland

My Commission Expires: 12.22.2020

P036563

CRAIG JACK BANCROFT
303 GAILRIDGE ROAD
LUTHERVILLE, MD, 21093



TOM GALLAGHER
Chief Financial Officer
State of Florida

CRAIG JACK BANCROFT
License Number P036563

IS LICENSED TO TRANSACT THE FOLLOWING CLASSES OF INSURANCE
General Lines (Prop & Cas) 03/24/2006

NON-RESIDENT
LICENSE

"NOTICE" - This non-resident license is limited to the classes of insurance reflected above and is further limited to ONLY those classes of insurance for which the licensee is licensed in your home state. Please be governed accordingly.
This licensee must have an active appointment with this state and be duly licensed in their home state and be duly licensed in their home state.

Attached is your FL Department of Financial Services license. Please remember to sign the back of your card. If you have any questions please contact the FL Department of Financial Services at (850) 413-3137.

State of Florida

Department of State

I certify from the records of this office that THE GUARANTEE COMPANY OF NORTH AMERICA USA is a Michigan corporation authorized to transact business in the State of Florida, qualified on October 4, 1996.

The document number of this corporation is F96000005279.

I further certify that said corporation has paid all fees due this office through December 31, 2017, that its most recent annual report/uniform business report was filed on April 24, 2017, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Twenty-fourth day of April,
2017*



Ken DeFuria
Secretary of State

Tracking Number: CC7967146917

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>



The Guarantee Company of North America USA
Southfield, Michigan

POWER OF ATTORNEY

NOW ALL BY THESE PRESENTS: That THE GUARANTEE COMPANY OF NORTH AMERICA USA, a corporation organized and existing under the laws of the State of Michigan, having its principal office in Southfield, Michigan, does hereby constitute and appoint

Craig Bancroft, Gary L. Berger, William Franck, Joshua B. Hauserman, Robert F. White, R. Nelson Oster, Stephen M. Mutscheller, Jonathan Kibler, Matthew Rankin, Emily Brennan
HMS Insurance Associates, Inc.

its true and lawful attorney(s)-in-fact to execute, seal and deliver for and on its behalf as surety, any and all bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof, which are or may be allowed, required or permitted by law, statute, rule, regulation, contract or otherwise.

The execution of such instrument(s) in pursuance of these presents, shall be as binding upon THE GUARANTEE COMPANY OF NORTH AMERICA USA as fully and amply, to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at the principal office.

The Power of Attorney is executed and may be certified so, and may be revoked, pursuant to and by authority of Article IX, Section 9.03 of the By-Laws adopted by the Board of Directors of THE GUARANTEE COMPANY OF NORTH AMERICA USA at a meeting held on the 31st day of December, 2003. The President, or any Vice President, acting with any Secretary or Assistant Secretary, shall have power and authority:

1. To appoint Attorney(s)-in-fact, and to authorize them to execute on behalf of the Company, and attach the Seal of the Company thereto, bonds and undertakings, contracts of indemnity and other writings obligatory in the nature thereof; and
2. To revoke, at any time, any such Attorney-in-fact and revoke the authority given, except as provided below
3. In connection with obligations in favor of the Florida Department of Transportation only, it is agreed that the power and authority hereby given to the Attorney-in-Fact includes any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts required by the State of Florida Department of Transportation. It is fully understood that consenting to the State of Florida Department of Transportation making payment of the final estimate to the Contractor and/or its assignee, shall not relieve this surety company of any of its obligations under its bond.
4. In connection with obligations in favor of the Kentucky Department of Highways only, it is agreed that the power and authority hereby given to the Attorney-in-Fact cannot be modified or revoked unless prior written personal notice of such intent has been given to the Commissioner - Department of Highways of the Commonwealth of Kentucky at least thirty (30) days prior to the modification or revocation.

Further, this Power of Attorney is signed and sealed by facsimile pursuant to resolution of the Board of Directors of the Company adopted at a meeting duly called and held on the 6th day of December 2011, of which the following is a true excerpt:

RESOLVED that the signature of any authorized officer and the seal of the Company may be affixed by facsimile to any Power of Attorney or certification thereof authorizing the execution and delivery of any bond, undertaking, contracts of indemnity and other writings obligatory in the nature thereof, and such signature and seal when so used shall have the same force and effect as though manually affixed.

IN WITNESS WHEREOF, THE GUARANTEE COMPANY OF NORTH AMERICA USA has caused this instrument to be signed and its corporate seal to be affixed by its authorized officer, this 2nd day of October, 2015.



THE GUARANTEE COMPANY OF NORTH AMERICA USA

Stephen C. Ruschak, President & Chief Operating Officer

Randall Musselman, Secretary

STATE OF MICHIGAN
County of Oakland

On this 2nd day of October, 2015 before me came the individuals who executed the preceding instrument, to me personally known, and being by me duly sworn, said that each is the herein described and authorized officer of The Guarantee Company of North America USA; that the seal affixed to said instrument is the Corporate Seal of said Company; that the Corporate Seal and each signature were duly affixed by order of the Board of Directors of said Company.



Cynthia A. Takai
Notary Public, State of Michigan
County of Oakland

My Commission Expires February 27, 2018

Acting in Oakland County

IN WITNESS WHEREOF, I have hereunto set my hand at The Guarantee Company of North America USA offices the day and year above written.

I, Randall Musselman, Secretary of THE GUARANTEE COMPANY OF NORTH AMERICA USA, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney executed by THE GUARANTEE COMPANY OF NORTH AMERICA USA, which is still in full force and effect.



IN WITNESS WHEREOF, I have thereunto set my hand and attached the seal of said Company this 6th day of March 2018

Randall Musselman, Secretary

SECTION 00420

INFORMATION REQUIRED FROM BIDDERS

GENERAL INFORMATION

The Bidder shall furnish the following information. Failure to comply with this requirement may cause its rejection. Additional sheets shall be attached as required.

1. Contractor's Name/Address: TV Diversified, LLC
1530 53rd Street
West Palm Beach, FL 33407
2. Contractor's Telephone Number: 561-629-7087
and e-mail address: lalvarez@tvdiversified.com
3. Contractor's License (attach copy): CGC054395
Primary Classification: GENERAL CONTRACTOR
Broward County License Number (attach copy): _____
4. Number of years as a Contractor in construction work of the type involved in this Contract: 10+

5. List the names and titles of all officers of Contractor's firm:
Jason Godin - General Manager
Daniel Cathell - CEO
Matthew D. Moser - COO

6. Name of person who inspected site or proposed work for your firm:
Name: Jason Godin
Date of Inspection: 3/2/2018

7. What is the last project of this nature you have completed?

Lift Station 66, City of Plantation

8. Have you ever failed to complete work awarded to you; if so, where and why?

No

9. Name three individuals or corporations for which you have performed work and to which you refer:

City of Sarasota

City of Sunrise

City of Plantation

10. List the following information concerning all contracts on hand as of the date of submission of this proposal (in case of co-venture, list the information for all co-ventures).

Name of Project	City	Total Contract Value	Contracted Date of Completion	% Completion to Date
<u>SEE ATTACHED</u>				

(Continue list on inset sheet, if necessary)

11. What equipment do you own that is available for the work?

SEE ATTACHED

12. What equipment will you purchase for the proposed work?

NONE

NOTE:

If requested by CITY, the Bidder shall furnish a notarized financial statement, references and other information, sufficiently comprehensive to permit an appraisal of its current financial condition.

LIST OF SUBCONTRACTORS

The Bidder shall list below the name and address of each Subcontractor who will perform work under this Contract in excess of one-half percent of the total bid price, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Proposals, changes or substitutions will be allowed with written approval of the City of Hollywood. Subcontractors must be properly licensed and hold a valid Hollywood Certificate of Competency.

	Work to be Performed	Subcontractor's Name / Address
1.	Electrical Works	Energy Efficiency / West Palm Beach, FL
	Midas Companies	Midas Companies / Capitol Heights, MD
2.	Rangeline Tapping Services	Rangeline Tapping / West Palm Beach, F
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

NOTE: Attach additional sheets if required.

- END OF SECTION -

SECTION 00435

LOCAL PREFERENCE (EXHIBIT "A")

Pursuant to §38.50 of the City of Hollywood Code of Ordinances, the City shall grant a preference to local Hollywood vendors if their initial bid is within 5% of the bid of the lowest responsive responsible bidder that is a non-local Hollywood vendor. The preference shall allow the local Hollywood vendor to submit a second and final offer, which must be at least 1% less than the bid of the lowest responsive responsible non-local Hollywood vendor to be awarded. The local Hollywood vendor shall have the burden of demonstrating that it maintains a permanent place of business with full-time employees within the City limits and has done so for a minimum of one (1) year prior to the date of issuance of a bid or proposal solicitation within Hollywood, Florida. All supporting documentation (e.g. City of Hollywood valid local business tax receipt) for local preference eligibility must be received with the bid package prior to the bid opening date and time.

- END OF SECTION -

SECTION 00495

TRENCH SAFETY FORM

This form must be completed and signed by the Bidder.

Failure to complete this form may result in the bid being declared non-responsive.

Bidder acknowledges that the Florida Trench Safety Act, Section 553.60 et. seq., which became effective October 1, 1990, shall be in effect during the period of construction of the project. The Bidder by signing and submitting the bid is, in writing, assuring that it will perform any trench excavation in accordance with applicable trench safety standards. The Bidder further identifies the following separate item of cost of compliance with the applicable trench safety standards as well as the method of compliance:

Method of Compliance

Cost

Trench Boxes

Total \$ 25,000.00

Bidder acknowledges that this cost is included in the applicable items of the Proposal and in the Grand Total Bid Price. Failure to complete the above will result in the bid being declared non-responsive.

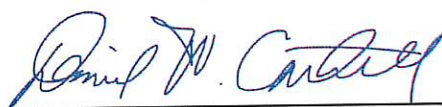
The Bidder is, and the Owner and Engineer are not, responsible to review or assess Bidder's safety precautions, programs or costs, or the means, methods, techniques or technique adequacy, reasonableness of cost, sequences or procedures of any safety precaution, program or cost, including but not limited to, compliance with any and all requirements of Florida Statute Section 553.60 et. seq. cited as the "Trench Safety Act". Bidder is, and the owner and Engineer are not, responsible to determine if any safety related standards apply to the project, including but not limited to, the "Trench Safety Act".


Witness Signature

Librada Alvarez
Witness Printed Name

1530 53rd Street, WPB FL
Witness Address

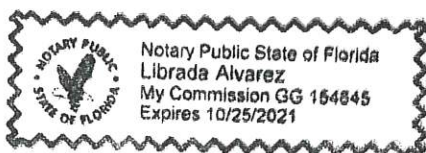
3/13/2018
Date


Contractor's Signature

Daniel Cathell
Printed Name

CEO
Title

3/13/2018
Date



- END OF SECTION -



**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION**

**CONSTRUCTION INDUSTRY LICENSING BOARD
2601 BLAIR STONE ROAD
TALLAHASSEE FL 32399-0783**

(850) 487-1395

**MCGREGOR, GAIL ALEXANDER
T.V. DIVERSIFIED, LLC
11410 NW 41ST STREET
SUNRISE FL 33323**

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!



DETACH HERE

RICK SCOTT, GOVERNOR

KEN LAWSON, SECRETARY

**STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD**

LICENSE NUMBER

CGC054394

The GENERAL CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2018

**MCGREGOR, GAIL ALEXANDER
T.V. DIVERSIFIED, LLC
6397 SHADOW CREEK VILLAGE CIR
LAKE WORTH FL 33463**



TVD Work In Progress / Low Bids as of 02.21.2018

Project Name	Description	Contract Amount	Total Billed to Date	Percent Complete	Status
Sarasota County	Annual Lift Station Maintenance Contract	\$ 750,000.00	\$ 68,813.34	9%	Annual Contract
Sarasota County	Annual San Sewer MH Rehab Epoxy Contract	\$ 1,533,775.00	\$ 235,022.00	15%	Annual Contract, Waiting Additional WA
Coral Springs	LS Rehab 14E, 17A, 17C and 18C & Pipework	\$ 2,279,402.50	\$ 2,256,608.48	99%	In Process
City of Sarasota	Annual MH Rehab Coatings	\$ 300,000.00	\$ 165,633.90	55%	Annual Contract, Waiting Additional WA
City of Sarasota	Annual LS Maint and Rehab Contract	\$ 490,000.00	\$ 94,500.00	19%	Annual Contract FE Pending of WA
Coral Springs - Kaufman Lynn	Municipal Complex (LS)	\$ 565,240.00	\$ 559,587.60	99%	In Process
City of Hollywood	Annual Contract MH Repairs	\$ 387,750.00	\$ 275,000.00	71%	Contract in hand in process
Miami Dade County	Annual Contract MH Repairs I & I	\$ 817,000.00	\$ 490,000.00	60%	
City of Delray Beach	LS Rehab and Coating Warranty Works	\$ 158,327.84	\$ -	0%	To Start in 2 weeks
City of Winter Park	PB WPB Contract for LS Work	\$ 106,000.00	\$ 104,800.00	99%	Contract in hand pending WA
City of Tampa	Manhole Rehab by Coatings	\$ 1,040,600.00	\$ 300,000.00	29%	FE Contract in Hand waiting on NTP
City of Boca Raton	LS Rehab and Repairs (Annual)	\$ 3,249,849.00	\$ 177,700.00	5%	Annual Contract FE Pending of WA

TVD ID#	PIC	YEAR	MAKE	MODEL	COLOR	DRIVER/HITCHED TO
V-2	Y	2003	Chevy	C-7500 20-ft. Steel Flatbed Crane Truck	White	Francisco Morales Delgado
V-3	Y	2004	Chevy	C-6500- Box Truck (TOPKICK)	White	
V-4	Y	2006	Chevy	C-4500 Flatbed Crane	Silver	
V-6	Y	2008	Ford	F-450 Flatbed	White	
V-7	Y	2008	Ford	F-550 Flatbed	Red	
V-8	Y	2015	Freightliner	Vac-Truck	White	Santos
V-10	Y	2008	Chevy	2500 Silverado 4x4 Turbo Diesel	White	
V-11		2007	Chevy	C4500 Kodiak Crew Cab Flatbed	Red	
V-12	Y	2006	Chevy	Chevy C4500 Crew Cab Flatbed	White	
V-13		2017	Ford	Ford F550 w/ Crane	White	
V-14	Y	2014	Ford	Ford F150 Crew Cab	Red	Abdiel Barrett
V-16	Y	2004	Ford	Ford F150 Ext Cab	Red	
V-18		2017	HINO	195 - Box Truck	White	
V-19		2017	FORD	F150	White	
T-2	Y	2005	Covenant (COVC)	14-FT Cargo Trailer	Silver	
T-3	Y	2011	Cover Wagon	Enclosed Cargo	White	Hector
T-8		2017	Eagle Cargo	14-FT Enclosed Trailer	Red	
T-9		2018	PACE	16-FT Enclosed Trailer	Silver	
DMP-1		1995	Ford	Dump Truck F800	White	
COMP-1		1998	Ingersol Rand	Tow Behind Air Compressor Trailer P185WJD/1998/E	Tan	
GNT-2	Y	2012	Load Trailer	12K Gooseneck Equipment Trailer	Black	
SPT-2		2013	HMDE	2013 HMDE Trailer		
SPT-2		2013	GRACO	XP70 W/Hoopers Spray Machine ON TRAILER		

SPT-4		2007	LMT	Gooseneck / Custom	Red / Black	Epoxy Trailer (Custom Built)
BP-1	Y	2002	Godwin	6" Electric type=CD 150	Orange	YARD/JOBS
BP-2		2002	Godwin	6" Diesel type=CD 150	Orange	YARD/JOBS
BP-3	Y	2005	Godwin	4" Elec High Head type=103M	Orange	YARD/JOBS
BP-4			Godwin	4" Elec Low Head type=216	Orange	YARD/JOBS
BP-5		2000	Godwin	6" Diesel type=CD 150	Orange	YARD/JOBS
BP-6		1997	Godwin	4" CD100M 4" Pump		YARD/JOBS
EXCAV-1		2016	Case	CX145D	Yellow	
CMB-1	Y	2011	CASE	590SN Loader Backhoe	Orange	
FKL-1		20	Komatsu	Forklift Model #FG-252-4 (5000 lb)	Yellow/Blk	Miami Warehouse
FKL-2	Y	2005	JCB	Forklift Model# 0588310 (6000 lb)	Yellow/Blk	YARD/JOBS



CITY OF HOLLYWOOD, FLORIDA

DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING AND CONSTRUCTION SERVICES DIVISION
P. O. Box 229045 · HOLLYWOOD, FL 33022-9045 · PHONE: 954-921-3930 · FAX: 954-921-3937

Lift Station A-5 Upgrade

Addendum 1

Date: February 27, 2017

Project Number: 16-8062

ALL BIDDERS BE ADVISED OF THE FOLLOWING CHANGES TO THE ABOVE REFERENCED PROJECT AS LISTED BELOW:

This addendum is issued as part of the Bidding Documents for the above described project. The changes incorporated in this addendum shall be considered as a part of the documents and shall supersede, amend, add to, clarify, or subtract from those conditions shown in the original documents. The bidder shall coordinate all modifications herein with all trades and disciplines related to the work. The Bidder shall acknowledge receipt of this addendum on the Bid Form by addendum number and date. Failure to do so may subject Bidder to disqualification.

Item 1: Pre-Bid Meeting Minutes & Attendance Record

See attached pre-bid meeting minutes and attendance record.

Item 2: Revised Specification

See attached revised Specification 01010 which adds contractor prequalification statements under new section 1.05, clarifies MOT submittal scope, and add hurricane preparedness.

Item 3: Permits

The attached Broward County with the Florida Department of Environmental Protection permit and their conditions and requirements are hereby included as part of the Contract Documents.

Item 4: Responses to Contractor Written Questions/Inquiries

- a) As per Contract Documents and Specifications, Table of Contents, Appendix A (Geotechnical Report) and B (Environmental Permits) are missing from the SPECS. Can we get those documents?

Response: Please see attached Item 4 for geotechnical report. The permit is contained in Item 3.

ALL OTHER TERMS, CONDITIONS AND SPECIFICATIONS SHALL REMAIN THE SAME. THIS ADDENDUM SHALL BE ATTACHED TO THE CONTRACT DOCUMENTS AND THE RECEIPT OF THE SAME SHALL BE NOTED IN THE PROPOSAL IN THE SPACE PROVIDED.

A handwritten signature in blue ink, appearing to read "Clece Aurelius", written over a horizontal line.

Clece Aurelius, P.E., Engineering Support Services Manager
Department of Public Utilities

ITEM 1

Pre-Bid Meeting Minutes & Attendance Record



CITY OF HOLLYWOOD, FLORIDA

DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING AND CONSTRUCTION SERVICES DIVISION
P. O. Box 229045 • HOLLYWOOD, FL 33022-9045 • PHONE: 954-921-3930 • FAX: 954-921-3937

Lift Station A-5 Upgrade Pre-Bid Meeting

Minutes

Location: City of Hollywood Southern Regional Wastewater Treatment Plant (SRWWTP), ECSD Conference Room

Date and Time: February 15, 2018 @ 2:00 PM

Agenda

1. Introduction
2. Scope of Project
3. Bidding Document Description
 - Bidding Contract Document Package consists of:
 - Bidding Package
 - Specifications
 - Drawings
 - Bidding Package includes:
 - Notice to Bidders
 - Instruction to Bidders
 - Cone of Silence
 - Proposal
 - Proposal Bid Form
 - Approved Bid Bond
 - Information Required From Bidders and a List of Subcontractors
 - Trench Safety Form
4. Key Concerns
 - Project Working Hours
 - Permitting
 - Days of Operation of Temporary Bypass Pumping System
6. Completion Time
7. Contractor Questions / Comments
8. Site Inspection

Minutes

1. All attendees signed the attached sign-in sheet and provided email addresses.
2. Project Scope: This project consists of furnishing and installing one new submersible pump lift station with new wet well and valve chamber, associated pressure and gravity pipe, and manhole. The work also includes permitting, dewatering as required for construction, vibration monitoring as appropriate, relocation of water main piping, coordination with FPL and the local Homeowner's Association, start-up report, complete restoration, as-builts, etc. as required for a complete project.

3. All contractor questions and requests for clarification will be submitted to Public Utilities in writing to project manager (Jeff Jiang, fjiang@hollywoodfl.org, 954-921-3930) no later than 4:00 PM on February 26, 2018.
4. Jim Penkosky (AECOM Technical Services, Inc.) is the primary Engineer of Record.
5. The City estimate budget for construction of this project is \$600,000 which included Bid Item allowances and contingencies stated.
6. The Bid Package must include the Bid Guaranty (10% of bid), the addendum, and trench safety form. One original Bid Package (and two copies) are due March 6, 2018 at 2:00 PM at City Hall, 2nd Floor, City Clerk's Office, 2600 Hollywood Boulevard, Hollywood, FL 33020; NOT at the WWTP.
7. Addendum is scheduled to be issued a minimum of one week before the bid due date. The Addendum will include a response to all written questions (if any) submitted by contractors.
8. In addition to City Building Department Inspections, the Department of Public Utilities will provide an Engineering Construction Services Division (ECSD) inspector to monitor the construction to confirm compliance with the contract documents. The ECSD inspector's normal work hours are 8:00am-5:00pm M-F. If contractor performs work requiring City inspections outside of normal hours, the Contractor shall pay the ECSD inspector OT cost in accordance with 00700 General Conditions, Article 2.15.
9. The project is to be substantially complete within 150-calendar days of Notice to Proceed with liquidated damages in accordance with 00800 Supplementary General Conditions.
10. Additional Bidder Qualifications are contained in Spec 01010 1.05.
11. If during execution of this project, the contractor damages landscaping, existing utilities, fences, driveways, foundations, concrete, etc.; the contractor will be required to replace/repair these items at no additional cost to the City.
12. Staging/lay down area is the contractor's sole responsibility, not provided by City.
13. Coordination with stakeholders will be essential during the project. This project is within a homeowner's association. The City has engaged the association during design, but it will be the contractor to continue the good will established by the City. It is also stressed that FPL should be engaged very early in the project cycle.
14. Residents are in close proximity of the project site. City approved flyers are required to be distributed by the Contractor to the potentially impacted residents.
15. The Engineer has secured the Broward County Environmental Protection Department and associated Florida Department of Environmental Project permit for the project.
16. Contractor is responsible for permitting and compliance with permit conditions. The City will reimburse the permit fees paid by the contractor. City building permits have been submitted for dry-run review. When complete these must be picked up by the contractor and fees paid.
17. Dewatering, if required to construct this project as designed, is exclusively the

responsibility of the contractor. The costs shall also be included in the bid amount. Prior to bidding, the prospective bidder shall recognize dewatering needs for this project including permitting.

18. Contractor must apply for and obtain any related Maintenance of Traffic permits before starting the work. The City Engineer and local Homeowner's Association both must approve of the MOT.
19. Substitutions of stated material or equipment are not permitted.
20. Coating of the flowmeter structure will be in accordance with Drawing D-104
21. Bypass pumping requirement are in accordance with the drawings and specification 02141. It was further clarified that the bypass system is to be onsite for one week trial operation prior to demolition of pump station, and the bypass system must be in place for two weeks after startup (i.e. substantial completion). Should the new pumps fail during this period, the contractor must provide the bypass pumping system for an additional two weeks at no cost to the city after the successful restart of the new pumps. Each failure occurrence would reset this timeframe.
22. Protection of the trees and other features is stressed. Review the drawings and specification for more information.
23. Following this meeting a field tour was provided to all prospective bidders to observe the existing conditions of this located in Carriage Hills Association.

End of Minutes

Lift Station A-5

Subject: PREBID

[illegible]

ITEM 2

Revised Specification 01010

SECTION 01010

SUMMARY OF WORK

PART 1 - GENERAL

1.01 LOCATION OF WORK:

- A. The work of this Contract is located in the City of Hollywood, at Lift Station A-5.

1.02 SCOPE OF WORK:

- A. Furnish all labor, materials, equipment and incidentals necessary and make conversion/upgrade of Lift Station A-5 complete and ready for operation as shown on the Drawings and specified herein.
- B. The Work includes, but is not necessarily limited to, the following major items:
 - 1. Demolish and remove/convert existing can-type pump station to the extent shown.
 - 2. Construct new submersible pump station, including new wet well and valve chamber and flow meter access structure.
 - 3. Provide for dewatering, vibration monitoring, etc as required by specifications.
 - 4. Install new submersible solids handling pumps with variable frequency drives and controls and perform associated electrical and instrumentation work.
 - 5. Full and complete restoration as shown.
 - 6. The Contractor will be responsible for coordination with Florida Power & Light (FPL) for all related work.
 - 7. Provide MOT Plan for community HOA and City approval. Provide MOT Coordination with those entities.
 - 8. Contractor shall submit a Hurricane Plan for potential weather emergencies. The plan shall detail how the Contractor will secure the work area, equipment and materials in a manner as to prevent damage to work completed or in progress and prevent materials and equipment from becoming a hazard to persons and property on and around the work area.

1.03 WORK SEQUENCE:

- A. Duties of the existing lift stations must be maintained via bypass pumping throughout the duration of the project. The Contractor will be responsible for the sequence of construction and continuous operation of the lift stations throughout the project. The proposed sequence shall be in accordance with the approved schedule submitted by the Contractor.

1.04 CONTRACTOR'S USE OF PREMISES:

- A. Contractor shall limit the use of the premises for the performance of the Work and storage of materials and equipment to allow for the Owner's use in operating and maintaining the pumping stations.
- B. Contractor shall coordinate with Owner necessary access for normal maintenance requirements.
- C. Contractor shall assume full responsibility for security of all his and his subcontractors materials and equipment stored on the site.
- D. If directed by the Owner, Contractor shall move any stored items which interfere with operations of Owner or local HOA.
- E. Obtain and pay for use of additional storage or work areas if needed to perform the Work.
- F. As part of MOT, Contractor must provide for temporary fencing and any other means to keep the site secure and safe from pedestrians and vehicular traffic. Contractor to coordinate with surrounding neighbors on station construction impact.
- G. Noise: The Contractor is specifically advised that the project site is located in close proximity to existing residential properties. Contractor shall employ all necessary means and methods required to mitigate the noise impacts to the adjacent residents including the use of sound barriers and/or electric driven equipment as necessary to comply with all City and County noise ordinances (City of Hollywood Code Ordinance Chapter 100; and Noise Ordinance for Broward County Florida : Chapter 24 NOISE CONTROL). All Contractor equipment shall be equipped with hospital grade silencers as applicable. The Contractor shall prepare a Noise Mitigation Plan for review by the Owner and Engineer.

In the event of conflicting or less stringent requirements in the technical specifications with this paragraph, Section 01010 1.04F shall govern.

1.05 CONTRACTOR QUALIFICATIONS:

- A. In addition to Section 00100 Instruction to Bidders, additional contractor qualifications are as follows:

As part of SECTION 00420, the Bidder must provide as part of their references a minimum of three (3) similar projects performed within the last seven (7) years. The

Bidder must also state their proposed project manager by name and a list a minimum of two (2) similar projects managed by him/her with references along with his/her resume. Each project must be under a different contract. Only Bidders including their project manager with the capabilities and experience on similar projects will be considered qualified for bid consideration. Judgment of 'similar projects' is at the sole discretion of the City and Engineer. The successful Bidder cannot replace their project manager without providing a suitable replacement which is determined under the sole discretion of the City.

END OF SECTION

ITEM 3

Permits



LICENSE FOR INSTALLATION OF WASTEWATER
COLLECTION/TRANSMISSION SYSTEM

APPLICANT:

City of Hollywood Public Utilities
Attention: Steve Joseph, P.E., Director
1621 N. 14th Avenue
Hollywood, FL 33020

EPGMD LICENSE NO.: WW-62475

EXPIRATION DATE: 02/01/2023

DEP ID NO.: HOL #054633-642

SEC-TWP-RNG: 02-51-41

PROJECT: Hollywood Lift Station Conversion A-5

This license is issued under the provisions of Chapter 27 of the Broward County Code of Ordinances, hereinafter called the Code. The above named-applicant, hereinafter called licensee, is hereby authorized to perform the work shown on the approved drawing(s), plans, documents, and specifications submitted by applicant and made a part hereof and described specifically below. Commencement of construction under this license shall be deemed acceptance of all conditions specified in the license. License conditions shall also be deemed to be accepted if they are not objected to in writing and received by EPGMD within fourteen days of receipt of the license by the applicant.

The issuance of this license is a final agency determination. A person with a substantial interest may file a petition to request review of, or to intervene in a review of, a final administrative determination within 10 days of issuance of the license, subject to the provisions of Section 27-14 of the Code.

Your Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System has been evaluated. This General or Individual Permit is hereby issued pursuant to the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4 and 62-604, Florida Administrative Code (F.A.C.).

GRAVITY SEWER: 25 LF of 8" PVC @ 0.40% Minimum Slope (No New Manhole)

FORCE MAIN: 16 LF of 10" PVC
11 LF of 8" PVC
23 LF of 8" DIP
3 LF of 6" DIP

LIFT STATION: One VFD Duplex: 385 GPM @ 138' TDH

SUBJECT TO GENERAL CONDITIONS #1- #11 and SPECIFIC CONDITIONS # 1 - # 6.

In accordance with: Plans, Sheets 1 thru 15 of 15 (Received 12/11/2017; Revised 01/11/2018 and 01/24/2018).
AECOM Technical Services, Inc. Project #: 60528989. None Attached.

Located at: 333 BRIARWOOD CIR, Hollywood 33021

Serving: Conversion of Existing Can-Type Lift Station to Submersible Duplex Station. Existing Lift Station Replacement.

Issued this 2nd day of February, 2018.

Environmental Protection and Growth Management Department
Prepared by Yvel Rocher, P.E.


Yvel Rocher, P.E., Licensed Engineer
Domestic Wastewater Program

ec: FDEP/WPB
Asif Ali, PDMD Front Desk
James G. Penkosky, P.E., AECOM Technical Services, Inc.



CITY OF HOLLYWOOD, FLORIDA

DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING AND CONSTRUCTION SERVICES DIVISION
P. O. Box 229045 • HOLLYWOOD, FL 33022-9045 • PHONE: 954-921-3930 • FAX: 954-921-3937

Lift Station A-5 Upgrade

Addendum 2

Date: March 5, 2017

Project Number: 16-8062

ALL BIDDERS BE ADVISED OF THE FOLLOWING CHANGES TO THE ABOVE REFERENCED PROJECT AS LISTED BELOW:

This addendum is issued as part of the Bidding Documents for the above described project. The changes incorporated in this addendum shall be considered as a part of the documents and shall supersede, amend, add to, clarify, or subtract from those conditions shown in the original documents. The bidder shall coordinate all modifications herein with all trades and disciplines related to the work. The Bidder shall acknowledge receipt of this addendum on the Bid Form by addendum number and date. Failure to do so may subject Bidder to disqualification.

Item 1: Revised Bid Due Date

The new bid due date is Thursday, March 15, 2018. All other bid details remain the same.

ALL OTHER TERMS, CONDITIONS AND SPECIFICATIONS SHALL REMAIN THE SAME. THIS ADDENDUM SHALL BE ATTACHED TO THE CONTRACT DOCUMENTS AND THE RECEIPT OF THE SAME SHALL BE NOTED IN THE PROPOSAL IN THE SPACE PROVIDED.

Clece Aurelius, P.E., Engineering Support Services Manager
Department of Public Utilities



CITY OF HOLLYWOOD, FLORIDA

DEPARTMENT OF PUBLIC UTILITIES
ENGINEERING AND CONSTRUCTION SERVICES DIVISION
P. O. BOX 229045 • HOLLYWOOD, FL 33022-9045 • PHONE: 954-921-3930 • FAX: 954-921-3937

Lift Station A-5 Upgrade

Addendum 3

Date: March 5, 2018

Project Number: 16-8062

ALL BIDDERS BE ADVISED OF THE FOLLOWING CHANGES TO THE ABOVE REFERENCED PROJECT AS LISTED BELOW:

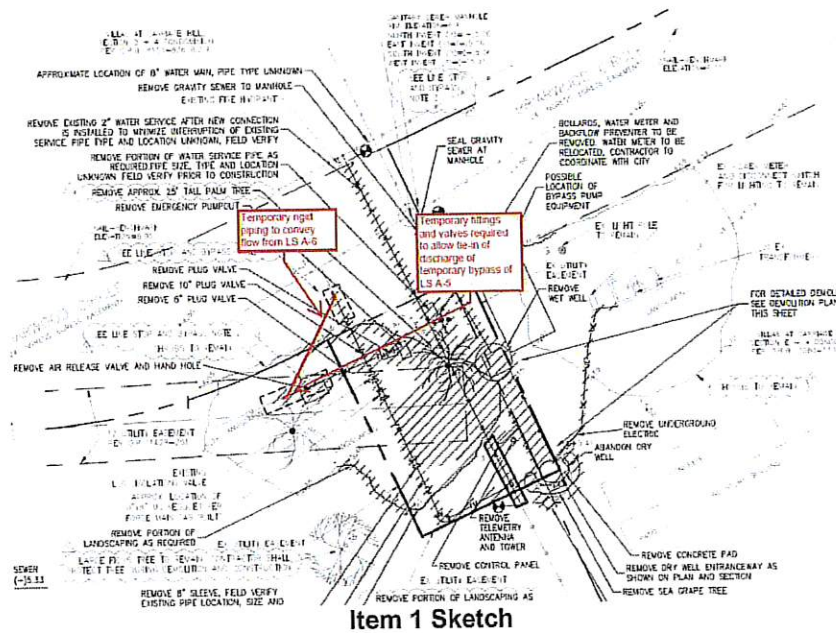
This addendum is issued as part of the Bidding Documents for the above described project. The changes incorporated in this addendum shall be considered as a part of the documents and shall supersede, amend, add to, clarify, or subtract from those conditions shown in the original documents. The bidder shall coordinate all modifications herein with all trades and disciplines related to the work. The Bidder shall acknowledge receipt of this addendum on the Bid Form by addendum number and date. Failure to do so may subject Bidder to disqualification.

Item 1: Revised Line Stop and Bypass Notes on Sheet D-101

This item clarifies suggested line stop and bypass pumping activities as illustrated in the sketch below. The Line Stop and Bypass Notes on Sheet D-101 of the Contract Drawings are revised to read as follows:

1. Indicated area designated for Contractor to perform line stop, as required. Force main conveys flow from upstream Lift Station A-6. Contractor to install temporary rigid piping, as specified in Section 02141, to connect existing 10" FM from LS A-6 to 8" FM to provide a dedicated line to continue flow from A-6. Contractor to minimize interruption of upstream flow, and coordinate with the City of Hollywood for the temporary shutdown of LS A-6 to make connections. Contractor to minimize shutdown periods and provide sewer vacuum trucks, as necessary, at no additional expense to the Owner.
2. Indicated area for Contractor to perform line stop, as required, and discharge connection point for temporary rigid pipe for LS A-6 flow. Contractor to install all required temporary fittings and valves (ex. tees, valves, etc), as part of the temporary bypass system, to allow for the tie-in of the discharge of bypass pumping for LS A-5 flow.
3. Indicated manhole is suggested to collect LS A-5 influent flows and utilized as a suction point for bypass pumps during temporary bypass pumping. As part of maintenance of traffic (MOT), Contractor shall not block vehicular traffic.
4. Contractor to create and submit temporary bypass pumping plan to Engineer for review and approval per Section 02141.

5. The intent is that the manhole and the temporary bypass pumps for LS A-5 do not handle any flow from LS A-6.



Item 3: Specifications

- a) Specification Section 01025 – Basis of Payment, page 3, paragraph 1.3.D, add the third paragraph as follows:
- “3. The City will pay for the bypass pumping during the 150 days project period as specified in Section 00800. The period might be less than four months, depending on the start date of the construction. If the project is delayed due to contractor's responsibility, the Contractor shall pay for the bypass pumping operation resulted from the delay.”

Item 3: Responses to Contractor Written Questions/Inquiries

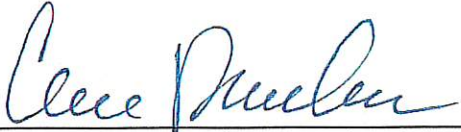
- a) We have received the Addendum 1 for the above mentioned project, but ITEM 4 for Geotechnical Report is missing.

Response: Please see Attachment 1 of Addendum 3 for geotechnical report.

- b) Could you clarify the type of check valves to be in the valve vault on the project. The only reference to check valves in the specs calls for rubber flapper valves pg 15101-6 & 7 is this correct?

Response: Check valves in the valve vault are to be in accordance with Part 2.02 of Section 15101.

ALL OTHER TERMS, CONDITIONS AND SPECIFICATIONS SHALL REMAIN THE SAME. THIS ADDENDUM SHALL BE ATTACHED TO THE CONTRACT DOCUMENTS AND THE RECEIPT OF THE SAME SHALL BE NOTED IN THE PROPOSAL IN THE SPACE PROVIDED.

A handwritten signature in blue ink, appearing to read "Clece Aurelius", written over a horizontal line.

Clece Aurelius, P.E., Engineering Support Services Manager
Department of Public Utilities

ATTACHMENT 1
Geotechnical Report

**REPORT OF
GEOTECHNICAL EXPLORATION**

**LIFT STATION A-5
333 BRIARWOOD CIRCLE (CARRIAGE HILLS)
HOLLYWOOD, FLORIDA 33024**

FOR

**CITY OF HOLLYWOOD
DEPARTMENT OF PUBLIC UTILITIES
1621 NORTH 14TH AVENUE
HOLLYWOOD, FLORIDA 33022-9045**

PREPARED BY

**NUTTING ENGINEERS OF FLORIDA, INC.
2051 NW 112TH AVENUE
SUITE No. 126
MIAMI, FLORIDA 33172**

PROJECT No.: 451.27

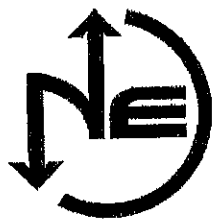
APRIL 2010



*Geotechnical & Construction Materials
Engineering, Testing & Inspection
Environmental Services*

Offices throughout the state of Florida

www.nuttingengineers.com info@nuttingengineers.com



Nutting Engineers

of Florida Inc. | Established 1967
Your Project is Our Commitment

2051 N.W. 112th Avenue, Suite 126
Miami, Florida 33172
305-557-3083
Toll Free: 877-NUTTING (688-8464)
Fax: 305-824-8827
Broward 954-941-8700
Palm Beach 561-736-4900
St. Lucie 772-408-1050
www.nuttingengineers.com

Geotechnical and Construction Materials | Engineering, Testing and Inspections | Environmental Services

April 22, 2010

Mr. Hugo Davalos, P.E.
City of Hollywood
Department of Public Utilities
1621 N. 14th Ave.
Hollywood, Florida 33022-9045
Phone: (954) 921-3930
Fax: (954) 921-3258
Email: hdavalos@hollywoodfl.org

Subject: **Report of Geotechnical Exploration**
Lift Station A-5
333 Briar Wood Circle (Carriage Hills)
Hollywood, Florida 33024
Project No. 451.27

Dear Mr. Davalos:

Nutting Engineers of Florida, Inc. (NE), has performed a Geotechnical Exploration for the proposed Lift Station A-5 in Hollywood, Florida. This evaluation was performed in order to obtain information regarding the subsurface soil/rock conditions at a single test boring location. This report presents our findings and general recommendations based upon the information examined at the time of this evaluation.

PROJECT INFORMATION

Per your correspondence on December 17, 2009, and review of the schematics provided by your office, we understand that plans call for the conversion of the lift station from a "can type" lift station to submersible while upgrading the hydraulic capacity along with electrical and instrumentation where needed. The lift station will be upgraded with a precast concrete vault set approximately 20 feet below existing grade.

NE should be notified in writing by the client of any changes in the proposed construction along with a request to amend our foundation analysis and/or recommendations within this report as appropriate.

OFFICES
Palm Beach
Miami-Dade
St. Lucie

GENERAL SUBSURFACE CONDITIONS

Soil Survey Maps

As part of the geotechnical exploration, we have reviewed available Soil Conservation Service (SCS) survey maps for Broward County. These SCS maps provide qualitative information about potential general shallow soil conditions in the project vicinity. This information was derived from approximately 6 ft. deep manual auger borings, aerial photo and surface feature interpretation at some point in the past (mid 1980's to early 1970's). The SCS data may or may not reflect actual current site conditions.

As indicated in the Broward County Soil Survey Map the series under exploration is the Arents-Urban land complex. The Arents series consists of nearly level or gently sloping, soils made up of heterogeneous overburden material that has been excavated from areas of other soils. These soils have been spread over the natural mineral soils to make the area suitable for urban development. Some pedons of the Arents series consist of the same fill material; however, the soils were placed over natural organic deposits. The boring performed for this project revealed soil conditions similar to those described in the soil survey. We note that the maximum depth of the surveys were typically limited to a depth of approximately six feet.

Subsurface Exploration

NUTTING ENGINEERS OF FLORIDA, INC. was requested to perform one Standard Penetration Test (SPT) boring (ASTM D-1586) within the approximate footprint of the lift station to a depth of 30 feet below existing grade. The boring location and depth were specified by the City of Hollywood and were identified in the field using approximate methods; namely, a measuring wheel and available surface controls. As such the soil boring locations should be considered to be approximate.

Test Boring Results

In general, the soil boring encountered a layer of very loose to loose tan to gray quartz fine sand to a depth of approximately nine feet, underlain by medium dense brown quartz fine sand to thirty feet, the maximum depth explored. Please see the enclosed soil classification criteria sheet in the Appendix of this report for additional important information regarding these descriptions, the field evaluation and other related information.

Note: Although not readily identified in the boring, it is possible that weathered rock may exist in this area. Generally, rock in the South Florida area may include limestone or sandstone which has irregularities and discontinuities including vertical and horizontal solution features, varying

surface and bottom elevations, and varying degrees of hardness. The rock features may also contain intervening sand and other material filled lenses. The standard penetration test boring executed in this evaluation was performed in accordance with the normal standard of care in this area. Despite this, this process may sometimes fail to detect the presence of rock strata by passing through solution features. Solution features can be very common in rock strata in Southeast Florida. Also given the brittle nature of some rock strata, rocks may readily shatter when hit by the split spoon. Despite this, these strata may present significant resistance to excavation. Resistance to excavation may generate vibrations which may be perceived to or actually induce settlements in subject nearby structures. Pre and post condition surveys and vibration monitoring would be advantageous in such circumstances.

For these reasons, appropriate due care shall be exercised by contractors performing excavation operations in this area, utilizing local experience and test excavations if feasible. Buried debris may or may not be identified or adequately delineated by soil borings. Test pit excavation can provide more insight into such conditions and rock lithology if present. Such conditions may be revealed during earthwork operations or other related activities. Should additional assurance be desired by the client, further subsurface investigation could be performed.

Groundwater Information

The immediate groundwater level was measured at the boring location at the time of drilling. The groundwater level was encountered at approximately five feet below the existing ground surface. Please review the paragraphs presented below regarding water table information and accuracy.

The immediate depth to groundwater measurements presented in this report may not provide a reliable indication of stabilized or longer term depth to groundwater at this site. Water table elevations can vary dramatically with time through rainfall, droughts, storm events, flood control activities, nearby surface water bodies, tidal activity, pumping and many other factors. For these reasons, this immediate depth to water data **should not** be relied upon alone for project design considerations.

Further information regarding stabilized groundwater elevations at the site could be developed upon specific request. Additional evaluation might include monitoring of piezometers, survey of the project area for evidence of current groundwater elevation influences such as wellfields, obvious construction dewatering, tidal activity, flood control canals and other surface water bodies.

TABLE OF SOIL PARAMETERS

SOIL DESCRIPTION	SOIL UNIT WEIGHT (PCF)		ANGLE OF INTERNAL FRICTION (DEGREES)	EARTH PRESSURE COEFFICIENT	
	SATURATED	SUB-MERGED		ACTIVE (Ka)	PASSIVE (Kp)
Very Loose Sand	110	48	28	0.36	2.8
Loose Sand	115	53	30	0.33	3.0
Medium Dense to Dense Sand	120	58	32	0.31	3.25

We note that the values in the table are based on visual classification and if more exact values are needed, specific laboratory testing should be performed. The depths of the soils were not included since the depths of each strata varies. Also, appropriate factors of safety should be applied by the design engineer depending on the application. We are available to assist in the design process if needed.

Proposed Sewer Line Connections

Based on the boring performed for this project, it is our opinion that the proposed sewer line connection to the lift station may be supported on the existing in place soils using conventional compaction techniques. It appears the excavated soils may be used for pipe bedding and general backfill. During the excavation process, any questionable soils, boulders, rock, or other unforeseen conditions encountered should be evaluated by a representative of Nutting Engineers following notification in writing.

Special Note: During excavation, zones of hard to very hard limestone/sandstone may be encountered which may not have been shown in the test boring. If these zones are encountered we shall be notified in writing immediately in order to further evaluate subsurface conditions. Based on the boring performed for this project, it appears that an unsupported vertical cut is not considered stable or safe during construction. An unsupported excavation may cause the collapse of the sidewalls when workmen are in the excavations. An excavation collapse can also damage the formwork and/or steel for the proposed structure as it is being constructed. Shoring procedures should conform to those presented in the Occupational Safety and Health Administration (OSHA) standards.

Proposed Valve Boxes

We anticipate that valve boxes will be constructed adjacent to the lift station. Typically, the base of the boxes are within approximately three feet of the ground surface. If this is not the case, we should be notified so that we may amend our recommendations.

The boring performed for this project revealed that the foundation soils for the valve boxes may be prepared using conventional site preparation and compaction techniques. Once the site is prepared in accordance with the recommendations presented in this report, the site may be developed with the proposed valve boxes using a shallow foundation system designed for an allowable soil bearing pressure of 2,500 pounds per square foot. Once plans are more finalized for the proposed construction, we should review the plans to determine whether additional details or changes to our recommendations are warranted. All work should be completed in accordance with applicable building codes, other regulations as appropriate, and good standard local practice.

The bottom of foundation excavations should be compacted after excavation to develop a minimum density requirement of 98 percent of the maximum modified Proctor dry density, for a minimum depth of one (1) foot below the bottom of the footing depth, as determined by field density compaction tests.

Dewatering

The immediate depth to groundwater was encountered at six feet below existing ground surface elevation at the time of the soil boring, subject to variation as described herein. As stated previously, others shall be responsible for the design, discharge provisions, implementation, permitting, maintenance, and other factors related to dewatering and groundwater control, if needed. As always, it is recommended that alternative procedures not requiring active dewatering be properly considered.

Trench Excavations

Excavations of five feet or more will need to be sloped or shored in accordance with State of Florida and OSHA recommendations. It is our opinion that if the excavation remains dry, temporary side slopes of 3 horizontal to 1 vertical may be used for this project. Where existing utilities, roadways or other obstructions prevent sloping the soils, shoring will be required. Where temporary shoring will be required, the soil parameter table should be used for earth pressure determinations.

GENERAL INFORMATION

Our client for this geotechnical evaluation was:

City of Hollywood
Department of Public Utilities
1621 N. 14th Ave.
Hollywood, Florida 33022-9045

The contents of this report are for the exclusive use of the client, the client's design & construction team and governmental authorities for this specific project exclusively. Information conveyed in this report shall not be used or relied upon by other parties or for other projects without the expressed written consent of Nutting Engineers of Florida, Inc. This report discusses geotechnical considerations for this site based upon observed conditions and our understanding of proposed construction for foundation support. Environmental issues including (but not limited to), soil and/or groundwater contamination, environmental issues related to fill, methane, and other environmental considerations are beyond our scope of service for this project. As such, this report should not be used or relied upon for evaluation of environmental issues.

Benefit may be realized by the performance of exploratory test pits on the site to develop additional subsurface information. The client may wish to consider performance of test pits on this project to supplement information already developed.

If conditions are encountered which are not consistent with the findings presented in this report, or if proposed construction is moved from the location investigated, this office shall be notified immediately so that the condition or change can be evaluated and appropriate action taken.

Nutting Engineers of Florida, Inc. shall bear no liability for the implementation of recommended inspection and testing services as described in this report if implemented by others. Nutting has no ability to verify the completeness, accuracy or proper technique of such procedures if performed by others.

The Geotechnical Engineer warrants that the findings, recommendations, specifications, or professional advice contained herein, have been presented after being prepared in accordance with general accepted professional practice in the field of foundation engineering, soil mechanics and engineering geology. No other warranties are implied or expressed.

ANALYSIS AND RECOMMENDATIONS

Proposed Wet Well

We anticipate as much as twenty feet or more of soil excavation to achieve the proposed base of the lift station. It is obvious that such excavation will bottom below the groundwater table. Discussions should be held with us, the civil engineer, contractor and other interested parties to provide details concerning the excavation operations. We note that dewatering issues, if needed, are beyond the scope of our services and will be the responsibility of others. The boring performed for this project encountered soils that are suitable for support of the lift station. It is our opinion that the weight of the excavated soil will somewhat compensate the lift station foundation loads; therefore, we anticipate the foundations will be subjected to short term settlements of less than one inch. The design of the wet well will need to consider hydrostatic (including buoyant) forces since the water table was encountered at approximately six feet below the existing ground surface (subject to variations as noted) at the time of the field work.

If during excavation unusual or unforeseen soils and/or rock are encountered, we should be notified immediately in writing to evaluate the condition. Discussions should be held with interested parties to determine the suitability of any potential deleterious material.

Below Grade Walls

The walls of the lift station below the existing grade should be designed to resist earth pressures from granular backfill, surcharge loads and unbalanced hydrostatic forces. An equivalent fluid having a unit weight of 60 pcf can be used to calculate the lateral pressure imposed by the fill against the wall. Assume that the wall will not translate or rotate sufficiently to mobilize the "active" earth pressure condition, therefore, assume the "at rest" condition will prevail. A K_0 of 0.5 can be used for design.

The walls should be designed to sustain water with a pressure head at the appropriate design flood elevation. Slab or other load carrying element loads must be included in the design of the walls.

Backfill adjoining on-grade walls should be approved sand fill and should be placed in loose lifts not exceeding 12 inches in thickness and should be compacted to minimum dry density between 92% and 95% of the maximum modified Proctor dry density. Overcompaction in these areas should be avoided. In the upper five feet, backfill should be placed in no greater than 12-inch loose lifts and compacted to 98% of the maximum modified Proctor dry density.

We appreciate the opportunity to provide these services for you. If we can be of any further assistance, or if you need additional information, please feel free to contact us.

Sincerely,
NUTTING ENGINEERS OF FLORIDA, INC.

 4/22/10
Paul C. Catledge, P.E. #68448
Senior Engineer


Richard Wohlfarth, P.E. #50858
Director of Engineering

Attachments: Test Boring Location Plan
Test Boring Report
Soil Classification Criteria
Limitations of Liability



CITY OF HOLLYWOOD
LIFT STATION A-5
333 BRIARWOOD CIRCE (CARRIAGE HILLS)
HOLLYWOOD, FLORIDA

APPROXIMATE
TEST
LOCATION

NOT TO SCALE

FIGURE 1



1310 Neptune Drive
Boynton Beach, FL 33426
Telephone: 561-736-4900
Fax: 561-737-9975

BORING NUMBER B-1

PAGE 1 OF 1

PROJECT NUMBER 451.27

CLIENT City of Hollywood

PROJECT NAME Lift Station A-5

PROJECT LOCATION 333 Briarwood Circle (Carriage Hills), Hollywood, Florida

DATE STARTED 4/7/10 COMPLETED 4/7/10 SURFACE ELEVATION REFERENCE Approx. @ Road Crown

DRILLING METHOD Standard Penetration Boring GROUND WATER LEVELS:

LOGGED BY T. Ruiz CHECKED BY P. Catledge ☒ AT TIME OF DRILLING 4.7 ft

APPROXIMATE LOCATION OF BORING 4' N. and 7' E. of North Edge of Lift Station

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	Blows	N-Value	▲ SPT N VALUE ▲			
						10	20	30	40
						PL	MC	LL	
						20	40	60	80
						□ FINES CONTENT (%) □			
						20	40	60	80
0		Gray to brown quartz fine SAND Lt. tan quartz fine SAND	AU 1						
			AU 2						
5		Gray quartz fine SAND	SS 3	3-3-4-4	7	▲			
			SS 4	4-4-4-4	8	▲			
			SS 5	4-3-2-6	5	▲			
10		Brown quartz fine SAND	SS 6	5-6-7-6	13	▲			
			SS 7	5-6-6	12	▲			
15									
		Lt. brown quartz fine SAND	SS 8	5-7-7	14	▲			
20									
			SS 9	9-9-9	18	▲			
25									
			SS 10	10-11-10	21	▲			
30		Bottom of hole at 30.0 feet.							

TEST NUTTING BOREHOLE 2-451.27 CITY OF HOLLYWOOD - LIFT STATION A-5 G.P.J. GINT/US.GDT 4/12/10

Disclaimer Nutting Engineers of Florida, Inc. accepts no liability for the consequences of the independent interpretation of drilling logs by others.

SOIL AND ROCK CLASSIFICATION CRITERIA

SAND/SILT

N-VALUE (bpf)	RELATIVE DENSITY
0 - 4	Very Loose
5 - 10	Loose
11 - 29	Medium
30 - 49	Dense
>50	Very dense
100	Refusal

CLAY/SILTY CLAY

N-VALUE (bpf)	UNCONFINED COMP. STRENGTH (tsf)	CONSISTENCY
<2	<0.25	v. Soft
2 - 4	0.25 - 0.50	Soft
5 - 8	0.50 - 1.00	Medium
9 - 15	1.00 - 2.00	Soft
16 - 30	2.00 - 4.00	v. Stiff
>30	>4.00	Hard

ROCK

N-VALUE (bpf)	RELATIVE HARDNESS	ROCK CHARACTERISTICS
$N \geq 100$	Hard to v. hard	Local rock formations vary in hardness from soft to very hard within short vertical and horizontal distances and often contain vertical solution holes of 3 to 36 inch diameter to varying depths and horizontal solution features. Rock may be brittle to split spoon impact, but more resistant to excavation.
$25 \leq N \leq 100$	Medium hard to hard	
$5 \leq N \leq 25$	Soft to medium hard	

PARTICLE SIZE

Boulder	>12 in.
Cobble	3 to 12 in.
Gravel	4.76 mm to 3 in.
Sand	0.074 mm to 4.76 mm
Silt	0.005 mm to 0.074 mm
Clay	<0.005 mm

DESCRIPTION MODIFIERS

0 - 5%	Slight trace
6 - 10%	Trace
11 - 20%	Little
21 - 35%	Some
>35%	And

Major Divisions	Group Symbols	Typical names	Laboratory classification criteria
Coarse-grained soils (More than half of material is larger than No. 200 sieve size)	Gravels (More than half of coarse fraction is larger than No. 4 sieve size)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines
		GP	Poorly graded gravels, gravel-sand mixtures, little or no fines
		GW ^a d	Silty gravels, gravel-sand-silt mixtures
		GC	Clayey gravels, gravel-sand-clay mixtures
	Sands (More than half of coarse fraction is smaller than No. 4 sieve size)	SW	Well-graded sands, gravelly sands, little or no fines
		SP	Poorly graded sands, gravelly sands, little or no fines
		SM ^a d	Silty sands, sand-silt mixtures
		SC	Clayey sands, sand-clay mixtures
		GM ^a e	Silty clays, clay-silt mixtures
		GC	Clayey clays, clay-silt mixtures
		GM ^a e	Silty clays, clay-silt mixtures
		GC	Clayey clays, clay-silt mixtures
Fine-grained soils (More than half of material is smaller than No. 200 sieve size)	Silt and clays (Liquid limit less than 50)	ML	Inorganic silt and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy, clay, silty clays, lean clays
		OL	Organic silts and organic silty clays of low plasticity
	Silt and clays (Liquid limit greater than 50)	MH	Inorganic silts, micaceous or (diatomaceous fine sandy or silty soils, elastic silts
		CH	Inorganic clays or high plasticity, fat clays
		OH	Organic clays of medium to high plasticity, organic silts
		PT	Peat and other highly organic soils
	Highly organic soils	ML	Inorganic silt and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
		CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy, clay, silty clays, lean clays
		OL	Organic silts and organic silty clays of low plasticity

Determine percentages of sand and gravel from gradation curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:

Less than five percent fines: GW, GP, SW, SP
More than five percent but less than 12 percent fines: GM, GC, SM, SC
More than 12 percent fines: MH, CH, OH, PT

$$C_u = \frac{D_{60}}{D_{10}} \text{ greater than 4; } C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} \text{ between 1 and 3}$$

Not meeting all gradation requirements for GW

Atterberg limits below "A" line or P.I. less than 4

Atterberg limits above "A" line with P.I. greater than 7

$$C_u = \frac{D_{60}}{D_{10}} \text{ greater than 6; } C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} \text{ between 1 and 3}$$

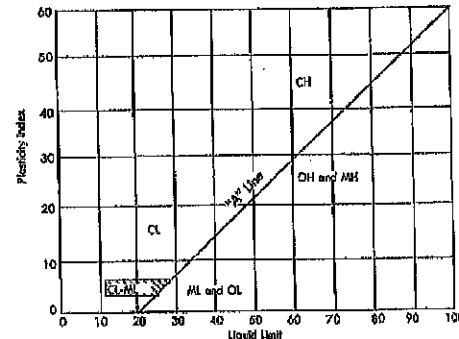
Not meeting all gradation requirements for SW

Atterberg limits below "A" line or P.I. less than 4

Atterberg limits above "A" line with P.I. more than 7

Above "A" line with P.I. between 4 and 7 are borderline cases requiring use of dual symbols.

Limits plotting in hatched zone with P.I. between 4 and 7 are borderline cases requiring use of dual system.



Plasticity Chart

LIMITATIONS OF LIABILITY

WARRANTY

We warrant that the services performed by Nutting Engineers of Florida, Inc. are conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the profession in our area currently practicing under similar conditions at the time our services were performed. **No other warranties, expressed or implied, are made.** While the services of Nutting Engineers of Florida, Inc. are a valuable and integral part of the design and construction teams, we do not warrant, guarantee or insure the quality, completeness, or satisfactory performance of designs, construction plans, specifications we have not prepared, nor the ultimate performance of building site materials or assembly/construction.

SUBSURFACE EXPLORATION

Subsurface exploration is normally accomplished by test borings; test pits are sometimes employed. The method of determining the boring location and the surface elevation at the boring is noted in the report. This information is represented in the soil boring logs and/or a drawing. The location and elevation of the borings should be considered accurate only to the degree inherent with the method used and may be approximate.

The soil boring log includes sampling information, description of the materials recovered, approximate depths of boundaries between soil and rock strata as encountered and immediate depth to water data. The log represents conditions recorded specifically at the location where and when the boring was made. Site conditions may vary through time as will subsurface conditions. The boundaries between different soil strata as encountered are indicated at specific depths; however, these depths are in fact approximate and dependent upon the frequency of sampling, nature and consistency of the respective strata. Substantial variation between soil borings may commonly exist in subsurface conditions. Water level readings are made at the time and under conditions stated on the boring logs. Water levels change with time, precipitation, canal level, local well drawdown and other factors. Water level data provided on soil boring logs shall not be relied upon for groundwater based design or construction considerations.

LABORATORY AND FIELD TESTS

Tests are performed in *general* accordance with specific ASTM Standards unless otherwise indicated. All criteria included in a given ASTM Standard are not always required and performed. Each test boring report indicates the measurements and data developed at each specific test location.

ANALYSIS AND RECOMMENDATIONS

The geotechnical report is prepared primarily to aid in the design of site work and structural foundations. Although the information in the report is expected to be sufficient for these purposes, it shall not be utilized to determine the cost of construction nor to stand alone as a construction specification. Contractors shall verify subsurface conditions as may be appropriate prior to undertaking subsurface work.

Report recommendations are based primarily on data from test borings made at the locations shown on the test boring reports. Soil variations commonly exist between boring locations. Such variations may not become evident until construction. Test pits sometimes provide valuable supplemental information that derived from soil borings. If variations are then noted, the geotechnical engineer shall be contacted in writing immediately so that field conditions can be examined and recommendations revised if necessary.

The geotechnical report states our understanding as to the location, dimensions and structural features proposed for the site. **Any significant changes of the site improvements or site conditions must be communicated in writing to the geotechnical engineer immediately** so that the geotechnical analysis, conclusions, and recommendations can be reviewed and appropriately adjusted as necessary.

CONSTRUCTION OBSERVATION

Construction observation and testing is an important element of geotechnical services. The geotechnical engineer's field representative (G.E.F.R.) is the "owner's representative" observing the work of the contractor, performing tests and reporting data from such tests and observations. **The geotechnical engineer's field representative does not direct the contractor's construction means, methods, operations or personnel.** The G.E.F.R. does not interfere with the relationship between the owner and the contractor and, except as an observer, does not become a substitute owner on site. The G.E.F.R. is responsible for his/her safety, but has no responsibility for the safety of other personnel at the site. The G.E.F.R. is an important member of a team whose responsibility is to observe and test the work being done and report to the owner whether that work is being carried out in general conformance with the plans and specifications. The enclosed report may be relied upon solely by the named client.