

June 17, 2014

Mr. Joseph Palacios  
Hidalgo County Precinct No. 4  
1051 N. Doolittle Rd.  
Edinburg, Texas 78542

**Re: Sunflower Park Offsite Sanitary Sewer Improvements**

Dear Mr. Palacios,

The attached Supplemental No. 1 to Work Authorization No. 1 to the Owner Engineer Agreement is for additional work necessary to complete the design of the reference project. The purpose of this letter is to provide written documentation of events leading to the current status of the project supporting this Supplemental No. 1 to Work Authorization No. 1.

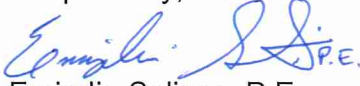
- LEMC staff along with staff from Hidalgo County Precinct No. 4 had a couple of coordination meetings with North Alamo Water Supply Corporation (NAWSC) as to the necessary requirements to build the needed lift station for Sunflower Park.
- Throughout these planning meetings with NAWSC, the requirement of the lift station was for only the necessary items needed for the park, which did not include a SCADA system.
- During the inter-local coordination between Hidalgo County No. 4 and NAWSC, NAWSC requested for 5 horse power pumps instead of 3 horse power pumps and a SCADA system.
- As a result of the request to provide design for a SCADA system, our Mechanical Electrical and Plumbing Sub-Consultant was required to hire a Structural Engineer in order to provide the foundation design for the proposed telecommunication tower necessary for the SCADA system.

It is the opinion of LEMC that these factors were necessary to provide the requirements that were requested by NAWSC. The descriptions on the Supplemental No. 1 to Work Authorization No. 1 are as follows:

**The attached Supplemental No. 1 to Work Authorization No. 1 to the Owner Engineer Agreement results in an additional adjustment of \$2,970.00.**

If you have any questions or concerns please feel free to contact me at (956) 687-5362.

Respectfully,

  
Emigdio Salinas, P.E.  
Project Engineer

## EXHIBIT E

-Supplemental No. 1 to Work Authorization No. 1

# HIDALGO COUNTY

## Professional Engineering Services

### Contract # 13-132-06-25

### Work Authorization Form

## Supplemental No. 1 to WORK AUTHORIZATION NO. 1

**THIS SUPPLEMENTAL NO. 1 TO WORK AUTHORIZATION NO. 1** is made pursuant to the terms and conditions of Section I.A. of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**," and, **LeFevre Engineering & Management Consulting, LLC**, professional engineers of **McAllen**, Texas, hereinafter called "**Engineer**".

### **PART 1. SCOPE OF WORK**

The purpose of this Work Authorization is for the **Engineer** to provide Additional Professional Engineering Services for Sunflower Road Park Project Phase I Project. Additional Engineering Services are required due to the request of North Alamo Water Supply Corporation (NAWSC) to design the Offsite Lift Station with a **SCADA system**. The design of the SCADA system required our Mechanical Electrical and Plumbing (MEP) Sub-Consultant to hire a Structural Engineer in order to provide a foundation design for the proposed telecommunication tower necessary for the SCADA system.

The scope of services to be provided by the **Engineer** is identified in *EXHIBIT "A" – Scope of Services to be Provided by the Owner* attached hereto.

The scope of services to be provided by the **Engineer** is identified in *EXHIBIT "B" – Scope of Services to be Provided by the Engineer* attached hereto.

### **PART 2. ESTIMATED COST**

The estimated cost for services under this Supplemental No. 1 to Work Authorization No. 1 is \$ **2,970.00**. This amount is based upon the costs outlined in the Estimated **Cost Proposal** attached hereto as **EXHIBIT "D"**.

### **PART 3. PAYMENT**

Compensation and payment to the **Engineer** for the services established under this Supplemental No. 1 to Work Authorization No. 1 shall be made in accordance with **Article/Part/Section 6.1** of the Agreement.

### **PART 4. FUNDING**

This Supplemental No. 1 to Work Authorization No. 1 shall be funded through funding source:

Account No. **3-1336-431-00-124-132-0-739**  
Requisition Number 238895 (MUST BE INCLUDED AFTER CC APPROVAL)

**PART 5. PERIOD OF SERVICE**

This Supplemental No. 1 to Work Authorization No. 1 shall become effective on the date of final acceptance of the parties hereto, and terminate **upon completion of scopes of the work authorization.**

**PART 6. RESPONSIBILITIES AND OBLIGATIONS**

This Authorization does not waive the parties' responsibilities and obligations provided under the **Agreement.**

**PART 7. ACKNOWLEDGEMENT AND CONFIRMATION**

Acknowledgement and confirmation by **Hidalgo County Precinct #4**, Commissioner Joseph Palacios as to content and detail of this **Supplemental No. 1 to Work Authorization No. 1.**

**HIDALGO COUNTY PRECINCT No. 4 Joseph Palacios.**

BY: \_\_\_\_\_  
**Joseph Palacios., Commissioner**

**PART 8. ACCEPTANCE AND APPROVAL**

This Supplemental No. 1 to Work Authorization No. 1 is hereby accepted, approved by Hidalgo County Commissioners' Court on \_\_\_\_\_ as indicated below and effective as of \_\_\_ day of \_\_\_\_\_, 2014.

**THE ENGINEER:**  
**LeFevre Engineering &  
Management Consulting, LLC**

  
By: **Emigdio Salinas, PE**

**THE OWNER:**  
**HIDALGO COUNTY**

\_\_\_\_\_  
By: **Ramon Garcia, County Judge**

**ATTEST:**

\_\_\_\_\_  
By: **Arturo Guajardo, Jr., County Clerk**

**LIST OF ATTACHMENTS**

ATTACHMENT "B" - Scope of Services To Be Provided by The Engineer  
ATTACHMENT "D" - Cost Proposal

Exhibit "B"  
SCOPE OF SERVICES TO BE PROVIDED BY THE ENGINEER  
**County of Hidalgo**  
**Sunflower Road Park Project - Phase 1**

PREPARED BY:  
**LeFEVRE ENGINEERING & MANAGEMENT CONSULTING, LLC.**  
**(LEMC)**

The County of Hidalgo, Texas, proposes to construct paving a park on Sunflower Road for the purposes of temporary detention for the area. The improvements include construction/modification of a new detention/drainage ditch, soccer/playing field, play areas, restrooms, pavilion with seating and walking trails. The scope of services will include all basic engineering, which includes civil design.

**Contract Amount: \$ 89,270.00**

**Supplemental No. 1 to Work Authorization No. 1: \$2,970.00**

**Contract Amount w/ Supplemental No. 1 to Work Authorization No. 1: \$92,240.00**

**Task 1 – Project Orientation and Startup**

LEMC proposes an initial project orientation meeting be scheduled so that both the County and the engineer may have a clear understanding of the design and construction process, parameters to be used and the final product desired.

**Task 2 – Preliminary Plans (30%)**

1. Meet with County personnel and relevant parties to gather information and coordinate project.
2. Consult with sub-consultant regarding engineering requirements for boundary and topographic survey of project area.
3. Analyze the survey of existing utilities that will be affected by any excavation.
4. Study the need for soils testing and perform soils investigation if deemed necessary.
5. Develop preliminary construction plans/profile of project.
6. Submit preliminary engineering plans and profiles to County and other affected entities for preliminary approval of proposed improvements.
7. Prepare engineering report(s), plans, and cost estimates to County.

**Task 3 – Design (60-90%)**

1. Analyze detailed surveys of existing underground and overhead utilities within the project.
2. Consult with the utility companies for their consideration of all utility data found. Provide construction plans to the utility companies involve.
3. Prepare detailed specifications and contract drawings for construction.
4. Prepare detailed cost estimates and proposals, which will include bid items and quantities based on unit price system of bidding for accounting/auditing purposes.
5. Furnish the necessary copies of the approved plans and specifications and to County.

- **Task 3 – Supplemental No. 1 to Work Authorization No. 1**

LEMC and Sub-Consultants revised the design to meet the request of NAWSC. The original scope for the lift station did not include a SCADA system, which triggered the need for design of a foundation to support a telecommunication tower. The additional cost for this task is **\$2,970.00**.

**Task 4 – Final Plans and Specifications (100%)**

Final plans, specifications, quantities, and an Engineer's Opinion of Probable Cost will be prepared during this task. The output of this task will be the documents necessary for bidding and constructing the project.

**Task 5 – Bidding and Award**

LEMC will assist the County in the advertisement, opening and tabulation of bids, analyzing the bids, recommendations for award of the construction contract and assist on the preparation of formal Contract Documents for the Offsite Lift Station.

The Architect will be in charge of all bidding and award procedures for the park, however, LEMC will provide assistance and coordination for the Civil Portion of the Project.

**Task 6 – Construction**

1. Provide periodic construction supervision and inspection
2. Review shop drawings/submittals
3. Prepare change orders due to unexpected conditions encountered
4. Prepare monthly estimates of work performed by Contractor
5. Assist with pay request review
6. Provide final project close-out

**Task 7 – As Builts**

Once Construction is completed, LEMC and the County will coordinate the survey required (provided by Hidalgo County) to provide Record Drawings ("As Builts").

PROPOSAL

**TO:** Emigdio Salinas, PE  
LeFEVRE Engineering & Mgmt Consulting, LLC  
612 Nolana, Suite 520  
McAllen, Texas 78504

**DATE:** March 07, 2014

**FROM:** José Antonio Nicanor, PE, LEED AP  
Sigma HN Engineers, PLLC  
701 S 15th St.  
McAllen, TX 78501

**SUBJECT:** SCADA & Telecommunication  
Tower Design for Hidalgo  
County Pct. 4  
Sunflower Park Lift Station

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Sigma HNe is pleased to submit this proposal for professional engineering services. We understand our work scope for this proposal consists of the design for the SCADA, Telecommunication Tower, Lightning Protection, Grounding & Bonding, and Surge Suppression to the County Pct. 4 Sunflower Park Lift Station, San Carlos Texas. To perform the professional engineering services, we propose the following lump sum fee:

**Professional Engineering Services:** \$ 2,700

Please refer to the *Scope of Services* and *Exhibit "A"* to review the included work. If you find this proposal acceptable, please indicate so by signing below. As always, if you have any questions or concerns, do not hesitate to contact me at 956-533-8103.

Thank you, we appreciate the opportunity.

  
\_\_\_\_\_  
Signature

3-17-14  
\_\_\_\_\_  
Date

**SCOPE OF SERVICES "A"**

**I. Electrical- SCADA**

- Specification of Telecommunication's Tower
- Specification of Telecommunication's Antenna
- Specification of Interface Equipment
- Specification of Lightning Protection for Tower
- Design of Grounding and Bonding Details for Scoreboard for Tower
- Specification of Surge Suppression Devices for
- Review of Grounding and Lightning Protection Testing Reports

**II. Construction Administration**

- Bid Evaluation and Management

**III. Structural**

- Design of 30-Foot Antenna Tower Concrete Pedestal
- Qty. (1) Jobsite Inspection (Reinforcement Steel)

**IV. Commissioning**

- Qty. (1) Observation of Grounding/Bonding Testing

**SUPPLEMENTAL NO. 1 TO WORK AUTHORIZATION NO. 1 TO OWNER-ENGINEER AGREEMENT**

1. *Background Data:*

- a. Effective Date of Owner-Engineer Agreement: June 25, 2013
- b. Owner: Hidalgo County Precinct No. 4
- c. Engineer: LeFevre Engineering & Management Consulting, LLC
- d. Project: Sunflower Road Park Project – Phase 1

2. *Description of Modifications:*

- a. Exhibit B-1 – Engineering Cost Proposal and Fee Breakdown shall be amended as follows:

**Onsite:**

Basic Engineering Fees

- a. Original Agreement amount: \$ 45,950.00
- b. Net change for prior amendments: \$ 0.00
- c. This amendment amount: \$ 0.00
- d. **Adjusted Agreement amount: \$ 45,950.00**

**Offsite:**

- a. Original Agreement amount: \$ 43,320.00
- b. Net change for prior amendments: \$ 0.00
- c. This amendment amount: \$ 2,970.00
- d. **Adjusted Agreement amount: \$ 46,290.00**

Owner and Engineer hereby agree to modify the above-referenced Agreement as set forth in this Supplemental No. 1 to Work Authorization No. 1. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The Effective Date of this Supplemental No. 1 to Work Authorization No. 1 is \_\_\_\_\_.

OWNER:  
Hidalgo County Precinct No. 4

ENGINEER:  
Emigdio Salinas, PE

By: Joseph Palacios

By:  Emigdio Salinas, PE

Title: Hidalgo County Pct. No. 4 Commissioner

Title: Project Engineer

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

Date Signed: 6/17/2014