

HIDALGO COUNTY
Professional Engineering Services
Contract # C-08-381-09-16
Work Authorization Form

Work Authorization No. 11

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 1 of the Agreement made by and between the **HIDALGO COUNTY**, acting herein by and through Commissioner's Court, hereinafter called the "**Owner**," and, **R. GUTIERREZ ENGINEERING CORPORATION**, professional engineers of Pharr, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide professional engineering and surveying services for Topographic Surveying & Data Collection and Boundary Surveying for use in developing a proposed drainage improvement project. The proposed project is to provide and extension to an existing Hidalgo County Irrigation District No. 2 drain ditch located approximately 0.25 miles north of and parallel to Sioux Road north of Alamo, Texas. The proposed drainage improvements will begin at Cesar Chavez Road on the west and terminate approximately 0.25 miles east of Alamo Road at the existing Hidalgo County Irrigation District No. 2 drain ditch. The work also includes providing existing easement/right-of-way delineation for 1.5 miles of the existing HCID#2 drain ditch from 0.25 miles east of Alamo Road to 1.0 miles east of Tower Road.

The scope of services to be provided by the **Owner** 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 Work Authorization is included in **Exhibit D – Fee Estimate**. The actual amount payable for services under this Work Authorization will be in accordance with Article 5.

PART 3. PAYMENT

Payment to the **Engineer** for the services established under this Work Authorization shall be made in accordance with Article 8.

PART 4. FUNDING

This Work Authorization No. 11 shall be funded through funding source:

Account No. _____

Requisition No. _____ (must be included after CC approval)

PART 5. PERIOD OF SERVICE

This Work Authorization shall become effective on the date of final acceptance of the parties hereto and shall terminate upon completion of the scope of services of the work as provided in Article 3.

PART 6. RESPONSIBILITIES AND OBLIGATIONS

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

PART 7. ACCEPTANCE AND ACKNOWLEDGEMENT

This Work Authorization is hereby accepted and acknowledged as indicated below and effective as of ___ day of _____, 2009.

ENGINEER:

R. Gutierrez Engineering Corporation

By: Ramiro Gutierrez
Name: Ramiro Gutierrez, P.E.
Title: President

OWNER:

COUNTY OF HIDALGO

By: Hector "Tito" Palacios
Name: Hector "Tito" Palacios
Title: Commissioner Pct. No. 2

By: _____
Name: Juan D. Salinas
Title: County Judge

LIST OF ATTACHMENTS

- EXHIBIT A – Services to be Provided by the Owner
- EXHIBIT B – Services to be Provided by the Engineer
- EXHIBIT C – Work Schedule
- EXHIBIT D – Fee Estimate

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EXHIBIT A
Services to be Provided by the Owner

The following provides an outline of the services to be provided by the **Owner** in the development of the **Project**.

General

The **Owner** will provide to the **Engineer** the following:

- (1) Payment for work performed by the **Engineer** and accepted by the **Owner** in accordance with Article 5 and Article 6, both of this Agreement.
- (2) Assistance to the **Engineer**, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies that the **Engineer** cannot easily obtain.
- (3) Provide any available relevant data the **Owner** may have on file concerning the project.
- (4) Provide timely review and decisions in response to the **Engineer's** request for information and/or required submittals and deliverables.
- (5) Attend and participate in progress meetings as required and as coordinated and conducted by the **Engineer**.
- (6) Assist **Engineer** with obtaining permission to enter on properties for the purpose of surveying for the project.

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EXHIBIT B

Services to be Provided by the Engineer

The scope of work will consist of surveying & data collection and boundary surveying for use in developing a proposed drainage improvement project. The proposed project is to provide an extension to an existing Hidalgo County Irrigation District No. 2 drain ditch located approximately 0.25 miles north of and parallel to Sioux Road north of Alamo, Texas. The proposed drainage improvements will begin at Cesar Chavez Road on the west and terminate approximately 0.25 miles east of Alamo Road. Also included is the delineating of the existing easement/right-of-way of the existing Hidalgo County Irrigation District No. 2 drain ditch from approximately 0.25 miles east of Alamo Road to the existing Hidalgo County Drainage District No. 1 drain ditch known as the Alamo Lateral located approximately 1.0 miles east of Tower Road.

The project is divided into two (3) phases: 1) Surveying and Data Collection, 2) Boundary Surveying Services, and; 3) Existing Easement/Right-of-Way Delineation.

1) Topographic Surveying & Data Collection Services. The Engineer will compile cross-sections, at approximately 200-foot intervals, of approximately 1.0 miles of existing terrain where a new ditch will be constructed as well as approximately 200-feet of the existing ditch where the new ditch will tie into the existing ditch. Topographic information, of items that are above ground and visible, within the proposed project right-of-way or easement will be obtained. If right-of-entry is obtained, then the topographic survey will be extended approximately 50-feet outside the existing right-of-way or easement boundary. If requested, additional topographic survey data will be obtained of items that may be discovered during the design of the improvements.

The Engineer will establish vertical and horizontal control by setting a benchmark (BM) and tying it to a permanent BM monument with a known elevation. BM is to be set within the Cesar Chavez Road, Alamo Road and Tower Road right-of-way in a location to suit field conditions, using Global Positioning System (GPS) survey, and in a location that is not likely to be disturbed by future construction.

2) Boundary Surveying Services. The Engineer, utilizing the services of a Registered Public Land Surveyor, will develop a boundary survey for the Owner to use in acquiring rights to the property. The surveyor will utilize ownership information obtained from an independent contractor or provided by the Owner in developing the

boundary survey. The surveyor will perform field surveying to establish the existing boundary lines and easement boundaries. The surveyor will prepare field notes and parcel sketches, signed and sealed by a Registered Professional Land Surveyor, for the property surveyed. The surveyor will perform any necessary revisions to the boundary survey, field notes and parcel sketches as may be required. The surveyor will also develop a right-of-way map of the new ditch improvements.

3) Existing Easement / Right-of-Way Delineation. The Engineer, utilizing the services of a Registered Public Land Surveyor, will develop a boundary survey for the Owner to use in delineating the existing easement of right-of-way of the existing Hidalgo County Irrigation District No. 2 drain ditch for use in transfer of rights to the ditch from the HCID#2 to the Hidalgo County Drainage District No. 1. The work may include performing a topographic survey establishing the top of bank of the existing 1.5 mile long ditch to establish the prescriptive limits of the easement or right-of-way owned by the HCID#2.

Miscellaneous. Hidalgo County will assist the engineer in obtaining the right-of-entry from the adjacent property owners.

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EXHIBIT C
Work Schedule

The schedule for the work in this Work Authorization shall commence on the date of execution of this Work Authorization and continue for:

(1) a period which may reasonably be required for performing the topographic and boundary surveying services called for as described in Exhibit B of this Work Authorization including any extra work and any required additions thereto; or

(2) a period extending 12 months after the completion of the services called for as described in Exhibit B of this Work Authorization.

The final acceptance by the Owner of the services called for as described in Exhibit B of this Work Authorization shall serve as evidence of completion of the work on this Work Authorization.

R. Gutierrez
Engineering Corp.

Exhibit D

9/16/08

**Topographic
and
Boundary Survey**

Estimated Fee

TASK	COST
Topographic and Boundary Survey Services Fee	
TOPOGRAPHIC SURVEY	\$3,500
BOUNDARY SURVEY (Est. 5 Parcels @ \$1800 per Parcel)	\$9,000
RIGHT-OF-WAY MAP (1.0 MILES)	\$3,000
EXISTING EASEMENT / R.O.W. DELINEATION (1.5 MILES)	\$6,000
TOTAL (Suveying Services Fee)	\$21,500

**Note: Boundary Surveying will be billed for the actual amount of
Parcels surveyed at the rate of \$1,800 per parcel.**

R. Gutierrez Engineering Corporation

February 25, 2009

Hector "Tito" Palacios
County Commissioner
Hidalgo County Precinct No. 2
301 E. State Street
Pharr, TX 78577

RE: Work Authorization No. 11 – Sioux Road/Cesar Chavez Drainage Project Topographic and
Parcels Surveys
Project No. ENG08.024k

Dear Commissioner Palacios:

Enclosed are two original signature copies of a proposed Work Authorization No. 11 of the 2008 Road & Bridge Contract. This work authorization is for professional services associated with the Sioux Road/Cesar Chavez Drainage project. The work consists of providing: 1) a topographic survey of 1.0 miles of terrain for the proposed extension of the existing Hidalgo County Irrigation District No. 2 (HCID#2) drain ditch running approximately 0.25 miles north of Sioux Road; 2) boundary surveying for the development of approximately 5 parcels for acquisition by the County, and; 3) existing easement/right-of-way delineation of the existing HCID#2 drain ditch from approximately 0.25 miles east of Alamo Road to approximately 1.0 miles east of Tower Road.

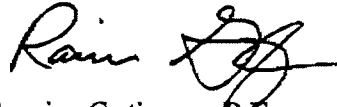
The topographic surveying consists of obtaining cross-sections of the existing 1.0 miles of terrain for the proposed ditch extension along with the adjacent terrain at approximately 200-foot intervals for use in designing the drainage improvements. Also included in the topographic surveying is obtaining data on existing improvements within the project limits.

The boundary surveying consists of developing right-of-way parcels for right-of-way acquisition. This includes developing metes and bounds along with parcel sketches for approximately 5 parcels and having them signed and sealed by a Registered Public Land Surveyor. A right-of-way map of this new right-of-way is included.

The existing easement/right-of-way delineation included obtaining topographic information to establish the top of bank alignment and to establish the prescriptive rights pertaining to the HCID#2 to that ditch. An easement/right-of-way map will be developed showing the existing limits of easement/right-of-way for use in transfer of rights to the ditch from the HCID#2 to the Hidalgo County Drainage District No. 1.

If this Work Authorization No 11 meets your approval, please place it before Commissioners Court for approval and signature. Please return one original signature copy for my files. If you have any questions, please call me so that we may discuss them. You can call me at 956-782-2557 or on my mobile at 956-227-2154.

Sincerely,

A handwritten signature in black ink, appearing to read "Ramiro" followed by a stylized monogram or initials.

Ramiro Gutierrez, P.E.
President

encl

cc: Files