

EXHIBIT “F”
HIDALGO COUNTY
Professional Engineering Services
Agreement #C-22-0028-06-28
(ARPA-21-123-028)

WORK AUTHORIZATION NO. 1

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of the Professional Engineering Services Agreement No. C-22-0028-06-28 incorporated herein by reference, for the “Precinct 3 Farm to Market Rd 2221 Stormwater Infrastructure Improvement” made by and between HIDALGO COUNTY, action herein by and through the Commissioner’s Court, hereinafter called the “**Owner**,” and J&R ENGINEERING, LLC, hereinafter called “**Engineer**”.

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide “Precinct 3 Farm to Market Rd 2221 Stormwater Infrastructure Improvement”

The **Engineer** is to provide the scope of Services as required by the Agreement with Owner.

The scope of services to be provided by the **Engineer** is identified in **Attachment “A”** – “*Scope of Services to be provided by Engineer*” attached hereto and incorporated by reference.

1. PART 2. ESTIMATED COST

The estimated cost for services under this Work Authorization is **\$122,475.80**. This amount is based upon the costs outlined in the **Attachment “B”** – “*Fee Proposal*” attached hereto and incorporated by reference.

PART 3. PAYMENT

Compensation and payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the **Professional Engineering Services** Agreement No. C-22-0028-06-28 between the **Owner** and the **Engineer**.

PART 4. FUNDING

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

Account No. _____

Requisition Number _____ **(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 terminate **upon completion of the scopes of the Work Authorization, within the limits of Agreement No. C-22-0028-06-28, provided in this Work Authorization;**

or on July 12, 2022. *If applicable:* Engineer shall conform to the approved “Work/Project Schedule”, attached hereto and incorporated by reference herein as **Attachment “C”**.

PART 6. RESPONSIBILITIES AND OBLIGATIONS

This Authorization does not waive the parties’ responsibilities and obligations provided under the **Agreement No. C-22-0028-06-28.**

PART 7. ACKNOWLEDGEMENT AND CONFIRMATION

Acknowledgement and confirmation by **Hidalgo County Precinct 3, Commissioner Everardo Villarreal**, as to content and detail of this **Work Authorization No. 1.**

HIDALGO COUNTY PRECINCT No. 3

By: _____
Everardo "Ever" Villarreal, Commissioner

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted and approved by the Hidalgo County Commissioners Court and hereby executed and effective as of the date indicated below.

APPROVED BY COMMISSIONERS’ COURT ON July 12, 2022.
Agenda Item No. 86481 Executive Office: _____

ENGINEER:
J & R ENGINEERING, LLC

COUNTY:
COUNTY OF HIDALGO

Roberto Salinas, PE

Hon. Richard F. Cortez, County Judge

ATTEST:

Arturo Guajardo, Jr., County
Clerk

LIST OF ATTACHMENTS:

- Attachment “A”** – *Scope of Services to be provided by Engineer*
- Attachment “B”** – *Fee Proposal*
- Attachment “C”** – *Approved Work/Project Schedule (If applicable)*



ATTACHMENT A

**PROJECT SPECIFIC SCOPE OF SERVICES
TO BE PROVIDED BY ENGINEER**

EXHIBIT A

-Scope of Services to be provided by the Engineer

The following provides an outline of the service to be provided by the **ENGINEER** in the development of the project.

The **ENGINEER** will evaluate and design of the improvements as follows:

1. Review existing Drainage Conditions Between Jara Chinas Rd & El Pinto Rd. along FM 2221 (W. Mile 7 Rd.)
2. Develop the Hydrologic and Hydraulic Modeling based on Existing Conditions.
3. Conduct field surveys to obtain information on existing conditions and topography on proposed project;
4. Identify alignments and right of ways of proposed project;
5. Coordinate with Precinct 3 and utility companies for locates and possible utility relocation as needed;
6. Survey of Possible Detention Ponds and Storm Infrastructure; to include existing road rights-of-way, irrigation district possible crossings, existing properties at or along proposed alignment.
7. Design Storm Drainage Plan- Detention Pond, Storm Infrastructure Crossing and Roadside Ditch Drainage plans
8. Prepare Construction plans, specification and estimates for project improvements
9. Coordinate and assist Ptc 3 on Bidding process



ATTACHMENT B

CONTRACT RATES

Project 22-0028 FM 2221_Drainage Structures

BASIC SERVICES:

BASIC SERVICES TOTAL AMOUNT

ITEM	DESCRIPTION OF SERVICE	CONTRACT PERCENTAGE OF TOTAL AMOUNT	ITEM AMOUNT
A	PRELIMINARY PROJECT PLANNING AND DEVELOPMENT	15%	\$ 18,371.37
B	PRELIMINARY ENGINEERING & TOPOGRAPHY	20%	\$ 24,495.16
C	FINAL DESIGN	45%	\$ 55,114.11
D	CONSTRUCTION MANAGEMENT	20%	\$ 24,495.16
TOTAL WORK AUTHORIZATION AMOUNT			\$ 122,475.80

SUMMARY OF SERVICES UNDER INDIVIDUAL ITEMS

ITEM A	PRELIMINARY PROJECT PLANNING AND DEVELOPMENT
A.1	Field Survey
A.2	Existing Utilities Assessment
A.3	Schedule Progress Report
ITEM B	PRELIMINARY ENGINEERING & TOPOGRAPHY
B.1	Topographical Surveying
B.2	Data Collection
B.3	Storm System Alignment Recommendation
ITEM C	FINAL DESIGN
C.1	Design Concept w/H&H Modeling
C.2	Permitting
C.3	Plans, Specifications & Estimates
ITEM D	CONSTRUCTION MANAGEMENT
D.1	Construction Bidding Documents
D.2	Contractor Payment Review
D.3	Shop Drawing Review
D.4	Change Orders Review
D.5	As-Built Drawings

APPENDIX

ENGINEERING SERVICES

J&R ENGINEERING, LLC

HOURLY RATES

LABOR CLASSIFICATION	HOURLY CONTRACT RATES:
Principal	\$180.00/hr
Project manager/Engineer	\$150.00/hr
Engineering Assistant	\$95.00/hr
Design Engineer/Graduate Engineer	\$75.00/hr
R.P.L.S.	\$145.00/hr
GPS Survey Crew	\$150.00/hr
3 Man Survey Crew	\$110.00/hr
Project Inspector	\$70.00/hr
Resident Project Representative	\$70.00/hr
CADD Operator/Designer	\$55.00/hr
Admin/Clerical	\$30.00/hr



ATTACHMENT C

APPROVED WORK/PROJECT SCHEDULE

EXHIBIT C -Work Schedule

Task No.	Task Description	Activities	Start	End
	Notice to Proceed/Task Order	--	6/29/22	--
1	Planning	Project Evaluation		
		Review Existing Conditions to Develop Design Criteria	6/29/22	7/18/22
2	Survey/Topography	Surveying and Topography field work		
		Conduct Survey, Topography, utility and existing storm infrastructure. (use existing contour maps for H&H.	7/18/22	7/29/22
3	Final Design Phase	Develop Design; Complete Bidding Documents; Complete Final Plans and Specifications.		
		30% Final Design Package	7/29/22	8/13/22
		OWNER Review of Final Design Package (30%)	8/13/22	8/2022
		60% Final Design Package	8/20/22	9/4/22
		OWNER Review of Final Design Package {60%}	9/4/22	9/18/22
		90% Final Design Package	9/18/22	9/29/22
		OWNER Review of 90% Final Design Package	9/29/22	10/8/22
		Address Final Owner Comments (100% Package)	10/8/22	10/22/22
4	Development Time Line	Advertising, Bid Phase, Selection		
		Prepare Bid Package	10/22/22	11/5/22
		Advertisement for Drainage improvements Bid Date	11/5/22	11/26//22
		Contractor Selection/ Execute Contract	-	12/10/22
5	Construction Period	Construction, Substantial Completion, Final Completion		
		Construction Start Date	1/9/23	-

The Engineer will inform the Owner (in reasonable advance of the delay) should the Engineer encounter delays that would prevent the performance of all work in accordance with the established work schedule.