

**HIDALGO COUNTY
Professional Engineering Services
Agreement #C-17-229-08-22**

WORK AUTHORIZATION NO. 3

THIS WORK AUTHORIZATION is made pursuant to the terms and conditions of Article 4 of the Agreement made by and between **HIDALGO COUNTY**, action herein by and through the **Commissioner's Court**, hereinafter called the "**Owner**," and, **B2Z ENGINEERING LLC**, professional engineers of Mission, Texas, hereinafter called "**Engineer**".

PART 1. SCOPE OF WORK

The purpose of this Work Authorization is for the **Engineer** to provide Preliminary Design and Construction Phase Services for the "North San Juan Park Swimming Pool Project" located in Hidalgo County Precinct 2.

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 **\$65,321.00**. 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 Work Authorization shall be made in accordance with Article 4 of the Agreement.

PART 4. FUNDING

This Work Authorization No. 3 shall be funded through funding source:

Account No. _-_-_-_-_-_-_-_-_-_-148-_-_-_-

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 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 No. 2, Commissioner, Eduardo Cantu, as to content and detail of this **Work Authorization No. 3**.

**HIDALGO COUNTY
COMMISSIONER PRECINCT No. 2:**

BY: _____

PART 8. ACCEPTANCE AND APPROVAL

This Work Authorization is hereby accepted, approved by Hidalgo County Commissioners' Court on _____ as indicated below and effective as of _____ day of _____, 201_.

**THE ENGINEER:
B2Z ENGINEERING**

**THE OWNER:
HIDALGO COUNTY**



By: Nicholas Muñoz, Vice President

By: Ramon Garcia, County Judge

ATTEST:

By: Arturo Guajardo Jr., County Clerk

EXHIBIT A

Scope of Services to be provided by the County

The following provides an outline of the services to be provided by the Owner in the development of Projects (as defined and more particularly identified in Exhibit "A" attached to this Agreement).

General:

The Owner will provide to the Engineer the following:

- 1) Provide the authorization to proceed with services through coordination with the project consulting and design Engineer.
- 2) Payment for work performed by the Engineer and accepted by the Owner in accordance with Article 4 of this Agreement.
- 3) Assistance to the Engineer, as necessary, to obtain the required data and information from other local, regional, State and Federal agencies the Engineer cannot easily obtain.
- 4) Provide any available relevant data the Owner may have on file concerning the projects.
- 5) Provide timely review and decisions in response to the Engineer's request for information and/or required submittals and deliverables, in order for the Engineer to maintain the agreed upon work schedule prepared in accordance with Exhibit "A" attached to this Agreement.
- 6) Attend and participate in progress meetings as required and as coordinated and conducted by Engineer.
- 7) Provide the authorization to proceed with services on project by project basis through consulting design and construction Engineer.

EXHIBIT B

Scope of Services to be provided by the Engineer

SECTION I - PROJECT DESCRIPTION

The services designated herein as "Services provided by the ENGINEER" shall include the performance of all engineering services for the following described facility:

COUNTY/CITY: HIDALGO COUNTY

PROJECT/DESCRIPTION: On-Call Services for "Road and Bridge, C.I.P. and Other Projects in General"
Work Authorization No. 3 ~ North San Juan Park Swimming Pool Project

ENGINEER shall mean B2Z Engineering.

COUNTY shall mean Hidalgo County.

EXHIBIT B

Scope of Services to be provided by the Engineer

SECTION 2 – PRELIMINARY DESIGN VALUES

(Function Code 102)

Preliminary Design Values

The ENGINEER will work with the Owner to establish basic design concepts, project controls and general scope of Projects.

- 1) Completion of specifications (project controls) and plan set to include: site plans, floor plans, elevations, section drawings and any other relevant project drawings.*
- 2) Coordination and management of sub-consultants.*
- 3) Integration of sub-consultant plans and specifications.*

Meetings, Coordination & Support for Project Development

The ENGINEER shall provide coordination services and shall assist in meetings and workshops with Hidalgo County, Hidalgo County Drainage District No. 1 and all other affected parties. The ENGINEER shall serve as representative for the Owner in coordination items. The ENGINEER shall coordinate with the Owner's staff on all Project related items.

EXHIBIT B

Scope of Services to be provided by the Engineer

SECTION 12 - CONSTRUCTION PHASE SERVICES (Function Code 320)

CONSTRUCTION MANAGEMENT SERVICES:

The ENGINEER will provide engineering and support services for and during the construction of the Project or portions of the Project approved by the COUNTY. Specific (basic and special) services for CONSTRUCTION MANAGEMENT AND SUPPORT by the ENGINEER will include the following:

Construction Bidding:

- 1) The ENGINEER will furnish the COUNTY the necessary copies of approved plans, specifications, notices to bidders, and proposals as prepared under PS&E.
 - a. Contractor selection will be through a One-Step Construction Manager at Risk (CMAR) procurement process.
- 2) The ENGINEER will assist the COUNTY on the tabulation of bids, recommendations to the Owner as to the proper action on all bid proposals received, and the preparation of formal contract documents for the award of each construction contract.

Construction Contract Administration and Inspection:

- 1) In general, the ENGINEER will provide the management and engineering support/data required for consultation and advisement to the COUNTY and act as the COUNTY's representative as provided in the General Condition of the Construction Contract.
- 2) The ENGINEER will coordinate and conduct a pre-construction conference (if required).
- 3) Defects and Deficiencies. The ENGINEER will use his best efforts to protect the COUNTY against defects and deficiencies in the work of the Contractor. The ENGINEER will promptly notify the COUNTY of any such defect or deficiency, and take all steps possible to require the Contractor to correct the defect or deficiency.
- 4) Contractor Payment. The ENGINEER will review quantities as submitted by the Contractor and will coordinate with the COUNTY for the preparation of the monthly and final estimates for payment to the Contractor.
- 5) The ENGINEER will provide Project site inspection of the authorized construction contract as follows:
 - a) Resident Engineer and/or Construction Inspector(s). The ENGINEER will furnish the services of a Resident Engineer and/or Construction Inspector(s) for daily on-site inspections to monitor/inspect the Contractor's daily progress and conformance to plans and specifications.
 - a. Daily progress will be documented via field reports and cataloged progress photos.

Miscellaneous Technical Activities:

- 6) Shop Drawings. The ENGINEER will review and check all shop or working drawings furnished by the Contractor.
- 7) Control of Materials & Equipment. The ENGINEER will provide inspection of all materials and equipment furnished/used by the Contractor as follows:
 - a) Review and record all laboratory, shop and mill tests of materials and equipment for compliance with the construction contract specifications.

EXHIBIT B

Scope of Services to be provided by the Engineer

- b) Observe Project record testing and/or independent assurance testing as outlined in the construction contract specifications.

- 8) Change Orders. When applicable the ENGINEER will prepare the engineering data, including plan sheet drawings, specifications, and estimates, for the preparation of construction contract change orders, which may be required due to actual field conditions encountered or new requirements directed by the COUNTY.

Exhibit B



400 Nolana, Suite H2
McAllen, Texas 78504
T: (956) 687-9421 | F: (956) 687-3218
ChaninEngineering.com
TBPE Firm Registration No. F-9369

SERVICE CONTRACT

June 21, 2018

Attn: Carlos Del Angel, PMP
Executive Vice President
900 S Stewart Rd, Ste 4
Mission, Tx. 78572
(956) 585-3773
carlos@B2ZEng.com

Re: Hidalgo County Pct. 2 New Pool
CE: Project No. 18-167

Dear Carlos Del Angel:

Chanin Engineering, LLC appreciates the opportunity to submit this proposal for professional services as they relate to a new approximately 3,000 SF Swimming Pool, a new 300 SF Kiddie Pool, and associated buildings for Hidalgo County Precinct 2.

SCOPE OF SERVICES

Our scope of work, as described in your email dated 06/18/18, is as follows:

Structural Engineering on building components only (approximately 700-1,000 SF in size):

1. Establish structural design criteria and determine primary structural framing scheme.
2. Foundation design in accordance with the recommendations of the Geotechnical Report prepared specifically for this site.
3. Engineering design and calculations for the design of the primary structural frame.
4. Provision of copies of engineering calculations to regulatory agencies as required.
5. Development construction drawings for the structural scope.
6. Preparation of structural specifications.
7. Construction administration:
 - a) Four (4) site visits including the preparation of observation reports. Site visits do not include punch list observations.
 - b) Review of structural shop drawings and submittal data.
 - c) Review and respond to RFI's.

PROFESSIONAL SERVICE AGREEMENT

June 22, 2018

Project Name: Hidalgo County Pool & Restrooms

B2Z Engineering
PO Box 2724
Mission, Texas 78572

Dear Carlos Del Angel,

Trinity MEP Engineering, LLC is pleased to submit a proposal to render MEP Services for the "Hidalgo County Pool" project located in San Juan, Texas. Our scope of work will be as described below all MEP required for the pool and for a new 1,000 SF restroom facility.

Basic Services:

Construction Documents:

- HVAC design and engineered construction documents for the project inclusive of all mechanical heating and cooling loads and equipment selection, ductwork, and ductwork accessories, piping, and HVAC control system.
- Electrical design and engineered construction documents for the project inclusive of building load power calculation, miscellaneous equipment power connections, building interior and site lighting calculation and fixture selection, and telephone/data (rough-in only).
- Plumbing design and engineered construction documents for the project to 5' from the foundation wall inclusive of all sanitary/storm/vent/water/condensate piping, plumbing fixtures, piping accessories, and gas piping.
- All mechanical and electrical discipline section specifications in 5 or 6 digit format.
- We will provide coordination meetings during the construction document phase.
- We will provide energy conservation report (ComCheck).

Construction Administration:

- We will review and answer RFI's and Clarifications
- We will review all project submittals and shop drawings.
- Site observation visits with respective report will be provided.





**EXHIBIT D
FEE PROPOSAL**

**North San Juan Park Swimming Pool
Hidalgo County Precinct No. 2
Work Authorization No. 3**

| <i>Hidalgo County Precinct No. 2 North San Juan Park Swimming Pool</i> | | MANHOURS | | | | Total Hours | Total Line Item Cost |
|--|--|-----------------------------|--------------------|------------------------|--------------------|---------------------|----------------------|
| | | Senior Project Manager | Design Engineer | Construction Inspector | Admin/ Clerical | | |
| TASKS | | | | | | | |
| 1 | Completion of Arch plans for adjacent pool structures, site plan, floor plans elevations, sections, etc. Coordination and Management of SUB for Completion of Struc. & MEP Plans (Review). Integration of plan sets into final Construction Documents. | 16 | 62 | | 8 | 78 | \$11,544.94 |
| 2 | SUB: Chaning Engineering LLC - Structural Engineer | (see Exhibit D Page 2 of 3) | | | | | \$4,000.00 |
| 3 | SUB: Trinity MEP Engineering - MEP Engineer | (see Exhibit D Page 3 of 3) | | | | | \$3,000.00 |
| 4 | Construction Bidding Assistance (Package Preparation, Grading, Ranking, Selection, Contract Docs) | 40 | | 8 | 8 | | \$9,942.88 |
| 5 | Construction Contract Management w/Daily Field Reports and Progress Photos | 40 | | 220 | 8 | 268 | \$28,957.16 |
| 6 | Meetings and Coordination on Project Development Activities w/ Stakeholders | 20 | | 20 | 8 | 48 | \$6,662.76 |
| | Subtotal Labor Hours | 116 | 62 | 248 | 32 | 394 | |
| Labor Hours | | 116 | 62 | 248 | 32 | 394 | |
| Hourly Base Rates | | \$ 80.00 | \$ 38.00 | \$ 28.00 | \$ 20.00 | | |
| Contract Rate FY2018 | | \$ 217.82 | \$ 121.73 | \$ 89.69 | \$ 64.07 | | |
| Total Costs | | \$ 25,267.12 | \$ 7,547.26 | \$ 22,243.12 | \$ 2,050.24 | \$ 57,107.74 | \$64,107.74 |

Direct Expenses Mileage: \$0.56/mile \$ 1,213.26

Total Direct Expenses \$ 1,213.26

B2Z Engineering Total Cost

\$65,321.00

Exhibit D

PROFESSIONAL SERVICES FEE

We propose to provide the services as described above for a lump sum fee of: \$4,000.00

Authorized additional services will be billed at the following hourly rates:

| | |
|------------------------------|-------------|
| Principal | \$145.00/HR |
| Project Manager | \$135.00/HR |
| Project Engineer | \$110.00/HR |
| Construction Project Manager | \$110.00/HR |
| Production Manager | \$80.00/HR |
| CAD Technician | \$50.00/HR |
| Administrative | \$35.00/HR |

FEE SCHEDULE

Invoices for progress payments of the basic fee will be billed each month for services performed during the prior month on a percentage of completion basis in accordance with the following schedule:

| | |
|-----------------------------|-----|
| Construction Documents | 90% |
| Construction Administration | 10% |



PROFESSIONAL SERVICE AGREEMENT

June 22, 2018

Project Name: Hidalgo County Pool & Restrooms

**B2Z Engineering
PO Box 2724
Mission, Texas 78572**

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Base Fee:

For the services stated above, Trinity MEP Engineering, LLC proposes a fee of:
\$3,000 – Three Thousand Dollars



Letter of Transmittal

To: Mr. Armando Garza, Jr., Chief Administrator
Attn: Ms. Erika Zamora, Director of Administrative Operations
 Hidalgo County Precinct No. 2
 300 W. Hall Acres Rd.
 Pharr, TX 78577

DATE:
 June 26, 2018

RE: On-Call Engineering Contract (C-17-229-08-22)
 Work Authorization No. 3 ~ North San Juan Park Swimming Pool Project

TRANSMITTED:

| | | |
|--|---|--|
| <input checked="" type="checkbox"/> For Your Use | <input type="checkbox"/> Please comment | <input type="checkbox"/> Approved as Noted |
| <input type="checkbox"/> As Requested | <input type="checkbox"/> Reply ASAP | <input type="checkbox"/> As Noted Below |

VIA:

| | | |
|----------------------------------|---|--|
| <input type="checkbox"/> US Mail | <input type="checkbox"/> Courier | <input checked="" type="checkbox"/> Hand Carry |
| <input type="checkbox"/> E-Mail | <input type="checkbox"/> Lonestar Overnight | <input type="checkbox"/> Pick up |

| COPIES | DESCRIPTION |
|--------|---|
| 1 | Original Submittal Letter for North San Juan Park Swimming Pool Project |
| 1 | Original Subcontracting Notice for North San Juan Park Swimming Pool Project |
| 2 | Partially Executed Work Authorization No. 3 ~ North San Juan Park Swimming Pool Project |
| | (One set to be returned to B2Z once fully executed) |

HIDALGO COUNTY
 PRECINCT NO. 2
 JUN 26 2018 PM 3 28

REMARKS:

Should you have any questions or comments, please feel free to contact me, Nicholus Muñoz at (956) 585-3773.

Thank you,

Received By: _____

Date: _____ Time: _____