

STATE OF TEXAS §
 §
COUNTY OF HIDALGO §

Professional Services Agreement

This Agreement, entered into this 9th day of September, 2014 by and between Urban County Program, (hereinafter called the "Party") and Dannenbaum Engineering Company – McAllen Company LLC, duly authorized Engineer, herein acting by Louis H. Jones, Jr. P.E., President (hereinafter called the "Engineer").

WITNESSETH THAT:

WHEREAS, Hidalgo County has received CDBG funds from the U.S. Dept. of Housing and Urban Development to be used by Urban County Participants. It is understood and agreed that the Party's obligation under this Agreement is contingent upon the actual receipt of adequate federal funds to meet the liabilities under this Agreement; and

WHEREAS, the Party is interested in obtaining Engineering Services; and

WHEREAS, the Engineer, duly licensed and registered to practice engineer in the State of Texas, has the professional abilities to undertake the study, evaluation, analysis and recommendations in a manner which shall provide the necessary public service while preserving and enhancing to the greatest degree possible the natural and proposed environment in the Project (as hereinafter defined) area; and

WHEREAS, the Party desires to engage the Engineer to render certain services in connection therewith;

NOW, THEREFORE, the participants do mutually agree as follows:

**SECTION I
EMPLOYMENT OF THE ENGINEER**

The Party agrees to employ the Engineer to furnish and provide the engineering services as stated in the following sections and upon receipt of such satisfactory services, the Party agrees to pay the Engineer as stated in the sections to follow.

**SECTION II
BASIC SERVICES OF THE ENGINEER**

The Engineer shall perform the following Basic Services in connection with the proposed La Villa–Water/Sewer Improvements project Account(s) 5003/05/10/11/12/13-45-0310-5000-4500 (the "Project") as more particularly described in Exhibit A attached hereto.

2.1 Preliminary Phase

- a. Attend preliminary conferences with the Party and, if requested, with the funding agency and other government agencies or interested parties regarding the project.
- b. As may be required, comply and receive from the Party and the funding agencies approval on all work.
- c. Prepare preliminary engineering plans on the Project in sufficient detail to indicate clearly the problems involved and solutions recommended with the cost estimates.
- d. Obtain the Party's written approval of the work of this Preliminary Phase before proceeding with the next phase.

2.2 Design Phase

- a. Attend the respective Party's meetings as requested for the purpose of explaining completed design work activities.
- b. Advise the Party of any soil investigations or tests which, in the opinion of the Engineer, may be required for the proper execution of the Project.
- c. Provide all field information and surveys required for the design of the Project.
- d. Plot field data and other survey information for the design of the Project.
- e. Prepare detailed plans, specifications and contract documents and drawings (reproducible tracings) for construction authorized by the Party.
- f. Furnish, if requested, the engineering data necessary for the Party to obtain permits required by local, state, and federal authorities.
- g. Prepare cost estimates of authorized construction, based on prices for work. If such estimated costs exceed the monies available, the Party shall be consulted so that revisions can be made to reduce the cost as required.
- h. Prepare all documents required for the advertisement and bidding of the Project in cooperation with the Party's staff.
- i. Preparation of property or easement descriptions.

2.3 Construction Phase

The Construction Phase will commence with the execution of the prime construction contract(s). The Party will issue a ten (10) day commence work notice which will signal the commencement of work under any construction contracts and will terminate upon the Party's approval of the Engineer's written approval of final payment to the Contractor(s). During the Construction Phase, the Engineer will:

- a. Assist the Party in opening and tabulating bids for the construction of the Project, and advise the Party in establishing the procedure for entering into construction phase.
- b. Prepare the formal Contract Documents for the Contractor.
- c. Make periodic visits to the site as required pursuant to the standards of Professional Engineers on projects of this nature, provide project construction supervision, to observe the progress and quality of the executed work and to determine if the work is proceeding in accordance with the contract documents.
- d. Consult with and advise the Party and issue all instructions and Change Orders to the Contractor selected by the Party.
- e. During the progress of actual construction, Engineer will keep continually the Owner informed with brief and concise information. A monthly progress report will be prepared and delivered to the Party including but limited to monies spent, construction time elapsed, percent of Project completed, a brief narrative of problems encountered and the anticipated completion date.
- f. Review shop and working drawings furnished by Contractor(s) for general compliance with design concept and with information given in contract documents.
- g. Review and provide a recommendation concerning samples, catalog data, schedules, shop drawings, laboratory, shape and mill tests of material and equipment and other data which the Contractor is required to submit, in compliance with the Contract Documents.
- h. Prepare monthly and final estimates for payments to Contractor(s).
- i. Engineer shall accompany the Party on the Final Inspection to assure that the total work has been completed in accordance with the Contract Documents.
- j. Prior to the Party's dispersal of any retainage of funds, render a written opinion to the Party that the construction has been completed according to the Contract Documents and provide the Party with a certificate of completion and release of liens documents from subcontractors.
- k. Provide the Party with sepia copies of as-built drawings of the constructed improvements, within sixty (60) days of issuance of certificate of completion.
- l. The Engineer will be responsible for interim and final inspection.
- m. Furnish to the Party six (6) sets of plans and six (6) sets of specifications and contract documents.

**SECTION III
ADDITIONAL SERVICES OF THE ENGINEER**

If authorized in writing by the Party, the Engineer will furnish or obtain from others Additional Services of the following types which are not considered normal or customary basic services; these will be paid for by the Party as indicated in Section VI.

- 3.1 Services of a Resident Project Representative, and other field personnel as required, for on-the-site observations of construction, other than periodic visits covered in Section 2.3 herein.
- 3.2 Detailed mill, shop and/or laboratory inspection of materials or equipment.
- 3.3 Major revision of Contract drawings as distinguished from modifications due to change orders, modifications to reduce the cost of the project or modifications requested to meet federal, state, or local regulations.

**SECTION IV
REIMBURSABLE EXPENSES**

- 4.1 Travel and subsistence required for the Engineer and authorized by the Party to points other than within Hidalgo County and Project site.
- 4.2 Additional copies of reports and specifications over six (6) copies and additional prints of drawings over six (6) copies.
- 4.3 Reimbursable expenses as provided in Section IV herein shall be paid to the Engineer on the basis of 1.1 times the Engineers actual cost.

**SECTION V
THE PARTY'S RESPONSIBILITIES**

The Party will:

- 5.1 Provide full information as to requirements for the Project.
- 5.2 Assist the Engineer by providing all available information pertinent to the Project including reports and any other data relative to design and construction of the Project.
- 5.3 Furnish the services or data as required such as appropriate professional interpretations of all of the foregoing; property, boundary, easement, right-of-way, zoning, and deed restrictions; all of which the Engineer may rely upon in performing his services under this agreement.
- 5.4 Guarantee access to and make all provisions for the Engineer to enter upon public and private property as required for the Engineer to perform his services under this Agreement.

- 5.5 Examine all studies, reports, sketches, estimates, specifications, drawings, proposals, and other documents presented by the Engineer.
- 5.6 Pay for all costs incident to advertising and obtaining bids or proposals from Contractors.
- 5.7 Provide such legal and accounting services required to discharge the Party's responsibility under the terms of this Agreement and any Agreement with any governmental agency as may be required for the project, and such auditing services as the Party may require to ascertain how or for what purpose any Contractor has used the monies paid to him under the construction contract.
- 5.8 Give prompt written notice to the Engineer whenever the Party observes or otherwise becomes aware of any defect in the Project.

**SECTION VI
PAYMENTS TO THE ENGINEER**

The Party agrees to pay the Engineer for completed services as identified by the Party:

- 6.1 The Engineer shall be paid a total fixed amount of **\$57,500.00** for services rendered under this contract. Payment shall be based on request for reimbursements with documentation requested by the Party. The Engineer's fee shall be due and payable as outlined in Sections 6.2, 6.3, and 6.4 as follows.
- 6.2 At Engineer's completion and Party's approval of the Engineer's services under the Preliminary Phase, Section 2.1 of this Agreement, Party shall pay a maximum of 15% of the sum set forth in Section 6.1 above.
- 6.3 At Engineer's completion and Party's approval of the Engineer's services under the Design Phase, Section 2.2 of this Agreement, Party shall pay a maximum of 60% of the sum set forth in Section 6.1 above.
- 6.4 At Engineer's completion and Party's approval of the Engineer's services under the Construction Phase, Section 2.3 of this Agreement, Party shall pay a maximum of 25% of the sum set forth in Section 6.1 above. Such sum to be paid periodically proportionately to the percentage of construction completed by the Contractor as determined by Engineer's reports.
- 6.5 For Additional Services as provided in Section III herein the Engineer shall be paid a sum of 1.1 times the Engineer's actual cost for such services.

**SECTION VII
OWNERSHIP OF DOCUMENTS**

Original documents, plans, designs and survey notes developed in connection with services performed hereunder belong to, and remain the property of the Party, in consideration of which it is mutually agreed that the Party will use them solely in connection with the Project and as base material for possible future projects.

**SECTION VIII
TERMINATION**

The Party may terminate this Agreement without cause at any time by a 30-day notice in writing to the Engineer. Upon receipt of such notice, the Engineer shall, unless the notice directs otherwise immediately discontinue all services in connection with the performance of this Agreement and shall proceed to cancel promptly all existing orders and contracts insofar as such orders or contracts are chargeable to this Agreement. As soon as practical after receipt of notice of termination, the Engineer shall submit a statement showing in detail the actual services that were performed under this Agreement to date of termination, the date such services were performed and the length of time spent by each person or party engaged in performing such services on each day,

The Party shall pay the Engineer a sum of money equal to the reasonable value of the professional engineer services rendered by the Engineer to the Party in connection with the services performed under this Contract, less payments previously made by the Party to Engineer on work performed and expenses incurred by Engineer under the provisions of this Agreement. Copies of all completed or partially completed designs, plans, and specifications prepared under this Agreement shall be delivered to the Party when and if this Agreement is terminated, but subject to the restrictions as to their use, as set forth above.

Notwithstanding the above, the Engineer shall not be relieved of liability to the Party for damages sustained by the Party arising from Engineer's negligent acts, errors or omissions related to Engineer's obligations created under this Agreement.

**SECTION IX
COUNTY AND CITY OFFICIALS**

Engineer agrees that no County or City official or Party employee shall be personally liable for any of the obligation created under this Agreement, or for any matter which may arise out of the Project, or any activities related thereto and hereby holds the Party, its political bodies and its employees harmless from and indemnifies them from any liability from any matter arising from Engineer's negligent acts, errors or omissions related to Engineer's obligations created under this Agreement.

**SECTION X
SUCCESSORS AND ASSIGNS**

Party and Engineer each binds themselves, their partners, successors, executors, administrators, and assigns to the other party of Agreement in respect to all covenants of this Agreement. Neither the Party nor Engineer shall assign or transfer any interest in this Agreement without the written consent of the other.

**SECTION XI
TIME OF PERFORMANCE**

The Engineer contracts and agrees to commence work within ten (10) days from the date of written authorization to proceed and will complete the preparation of the preliminary phase and estimates by 90 days and will proceed upon authorization with final drawings, specifications, and contracts documents and complete same within the earliest practical time from such notice to proceed.

**SECTION XII
VENUE**

Venue and jurisdiction of any suit, right or cause of action arising under or in connection with this Contract shall lie exclusively in Hidalgo County, Texas.

**SECTION XIII
AMENDMENT**

This Agreement may be amended only by a written document executed by the parties hereto.

**SECTION XIV
COMPLIANCE WITH LOCAL LAWS**

The Engineer shall comply with all applicable laws, ordinances, and codes of the State and local governments, and the Engineer shall save the Party harmless with respect to any damages arising from any negligence of the engineer in performing any of the work embraced by this Contract.

**SECTION XV
ASSIGNABILITY**

The Engineer shall not assign any interest in this Contract, and shall not transfer any interest in the same (whether by assignment or novation) without the prior written consent of the Party thereof; provided however, that claims for money due or to become due to the Engineer from the Party under this Contract may be assigned to a bank, trust company, or other financial institution without such approval. Notice of any such assignment or transfer shall be furnished promptly to the Party.

**SECTION XVI
GENERAL**

- 16.1 Audit. The Party and/or any of its duly authorized representatives shall have access to any books, documents, papers, and records of the Engineer which are directly pertinent to the Project for the purpose of making the audit, examination, excerpts, and transcriptions.
- 16.2 The Engineer agrees to comply with the following Executive orders, Titles and Program Regulations, including any additional requirements that may be set forth by the Party.
 - a. Title VI of the Civil Rights Act - requires that no one may be denied access to benefits from projects which receive federal assistance.

- b. Section 109 of the Housing and Community Development Act of 1974 - Nondiscrimination related to benefits from projects funded specifically under Title I of the Act.
- c. Section 3 of the HUD Act of 1968 - requires that maximum effort be made to provide employment, training, and business opportunities to low income families and/or residents of the project area.
- d. The Engineer shall give the United States Department of Housing and Urban Development, the Inspector General, the Comptroller General of the United States, the Auditor of the State of Texas, access to and the right to examine all books, accounts, records, reports, files, and other papers, things, or property belonging to or in use by Engineer pertaining to this Agreement. Such rights to access shall continue as long as the records are retained by Engineer. Engineer agrees to maintain such records in an accessible location for a period of three (3) years.
- e. Executive Order 11246 (paragraph a-c for contracts under \$10,000; paragraphs a-g for contracts over \$10,000) - Equal Employment Opportunity.

Executive Order 11246. Executive Order 11246 and the regulations issued pursuant thereto (24 CFR Part 130) which provides that no person shall be discriminated against on the basis of race, color, religion, sex, or national origin in all phases of employment during the performance of federal or federally assisted contracts. Such consultants or subcontractors shall take affirmative action to ensure fair treatment in employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination rates of pay or other forms of compensation and selection for training and apprenticeship.

Equal Employment Opportunity for Activities and Contracts not Subject to Executive Order 11246, as amended. In carrying out the program, the Consultant shall not discriminate against any employee or applicant for employment because of race, color, religion, sex or national origin. The Engineer shall take affirmative action to ensure that applicants for employment are employed and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not limited to the following: Employment, upgrading, demotion, or transfer; recruitment or other forms of compensation; and selection for training, including apprenticeship. The Engineer shall post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Government setting forth the provisions of this paragraph in all of its contracts for program work and will require all of its consultants for such work to incorporate such requirements in all subcontracts for program.

16.3 Interest of Certain Federal Officials: No member of or Delegate to the Congress of the United States and no Resident Commissioner, shall be admitted to any share or part of this Agreement or to any benefit to arise from the same.

- 16.4 Interest of Members, Officers, or Employees of Public Body, Member of Local Governing Body, or other Public Officials: No member, officer, or employee of the County or City, or its designees or agents, no member of the governing body of the locality in which the program is situated, and no other public official of such locality or localities who exercises any functions or responsibilities with respect to the program during his tenure or for one year thereafter, shall have any interest, direct or indirect, to be performed in connection with the program assisted under the Agreement. The Engineer shall incorporate or cause to be incorporated in all such documents in the paragraph in this Section.

SECTION XVII INSURANCE

The Engineer shall obtain and keep in force during the term of its engagement on the Project, insurance as follows:

- 17.1 A comprehensive automobile liability policy covering liability exposure to bodily injury and property damages. The Engineer shall furnish Party Certificates of Insurance showing the comprehensive automobile liability insurance policies to be in effect, commencing when Engineers commence operations under this Agreement, in the sum of \$300,000 for bodily injury and \$100,000 for property damages.
- 17.2 Uninsured/Underinsured motorist coverage in an amount equal to the bodily injury limits set forth immediately above;
- 17.3 A Five Hundred Thousand Dollar (\$500,000.00) Comprehensive General Liability Insurance Policy providing additional coverage to all underlying liabilities of County consistent with potential exposure of County under the Texas Tort Claims Act;
- 17.4 Workers Compensation Insurance in amount established by Texas law, unless the engineer is specifically exempted from the Texas Worker's Compensation Act, Texas Labor Code Chapter 401, et. seq.
- 17.5 All insurance policies must be written by an insurance company or companies acceptable to the Party.

SECTION XVIII WARRANTY

- 18.1 Engineer represents and warrants to Owner all services rendered to Owner under this Agreement shall, at a minimum, comply with the Texas Engineering Practices Act (Tex. Civ. St. Ann., Article 3271) and rules of the Texas Board of Professional Engineers.

**SECTION XIX
EFFECTIVE DATE**

The effective date of this contract shall be September 9, 2014. Such date being the date the County Commissioners' Court approved entering into contract with Engineer.

This Agreement is hereby approved this _____ day of _____, 20_____.

Signature: _____
Louis H. Jones, Jr. P.E., President

Firm Name: Dannenbaum Engineering Company – McAllen Company LLC
Address: 1109 Nolano Loop, Suite 208
City/ST/ZIP: McAllen, TX 78504

FED ID #/SS #: 721599851

STATE OF TEXAS §

§

COUNTY OF HIDALGO §

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This instrument was acknowledged before me on this the _____ day of _____, 20____,
by _____ of and on behalf of _____,
title) (a corporation)(a partnership)(a sole proprietorship).

(seal)

Notary - Signature

County of Hidalgo Urban County Program:

Witness

Diana R. Serna, UCP Director

Revised as to Form:
Atlas & Hall, L.L.P.
By Stephen L. Crain
on April 26, 2012

Exhibit "A"
(Scope of Services)

See Attached

DANNENBAUM ENGINEERING COMPANY - McALLEN LLC

1109 NOLANA LOOP, SUITE 208 McALLEN, TEXAS 78504 (956) 682-3677



June 11, 2014 (Revised July 31, 2014) (Revised August 6, 2014)

Urban County Program
427 E. Duranta, Suite 107
Alamo, Texas 78516

Attn: *Ms. Monica Leal*
Program Coordinator

Ref: *Urban County – City of La Villa Existing Waste Water Treatment Plant Improvements*

Subject: *Engineer's Best and Final Offer*

Dear Ms. Leal,

Per our recent discussion, please find attached herewith, Dannenbaum's proposed Engineering Fee for Professional Engineering Services for the above referenced project. Services to be provided include: Preliminary and Final Design Phase Services, Bid Phase Services, and Construction Phase services for the construction of the following improvements to the existing City of La Villa Waste Water Treatment Plant, consisting of a new headworks, upgrades to two existing 21 foot diameter clarifier, and a sludge removal facility.

Dannenbaum proposes to provide the services identified above for a "Lump Sum Fee" of **Fifty-Seven Thousand, five Hundred, Zero Cents (\$57,500.00)**. A summary and complete breakdown of costs is provided in the Exhibits listed below.

Attached herewith are the following:

- Exhibit C: "Fee Summary", identifying the cost for the various phases of the work
- Exhibit D: "Listing of Work Tasks, Manhours, and Fees", identifying manhours and fees for Individual Work Tasks for the various Phases of the Work
- Exhibit E: "Other Direct Costs (ODC)"
- Exhibit F: "Surveying Fee Budget Estimate"
- Exhibit G: Terracon Geotechnical Fee Estimate

We look forward to working with you to complete our contract negotiations and respectfully wish to thank Hidalgo County for the opportunity to be of service.

Sincerely,

Richard D. Seitz, P.E.
Senior Project Manager

Attachments:

- Exhibit C: "Fee Summary"
- Exhibit D: "Listing of Work Tasks, Manhours, and Fees"
- Exhibit E: "Other Direct Costs (ODC)"
- Exhibit F: "Surveying Fee Budget Estimate"
- Exhibit G: Terracon Geotechnical Fee Estimate

cc: Louis H. Jones, Jr., P.E. Dannenbaum Engineering Company – McAllen, LLC.
Cynthia Luera Dannenbaum Engineering Company – McAllen, LLC.
Gloria Rodriguez Dannenbaum Engineering Company – McAllen, LLC.

EXHIBIT "C"
FEE SUMMARY

Dannenbaum Engineering Company - McAllen, LLC
Client: Hidalgo County Urban Planning
Project Name: City of La Villa Existing WWT Plant Improvements
Project Number:
Date Prepared: July 31, 2014 (Revised August 6, 2014)

A. DESIGN PHASE SERVICES

DESIGN PHASE BASIC SERVICES

| | | |
|-------------------------------------|-----------|------------------|
| PROJECT ADMINISTRATION & MANAGEMENT | \$ | 8,514.53 |
| PRELIMINARY DESIGN PHASE SERVICES | \$ | 11,195.46 |
| FINAL DESIGN PHASE SERVICES | \$ | 22,928.18 |
| SUBTOTAL | \$ | 42,638.17 |

DESIGN PHASE SPECIAL SERVICES

DANNENBAUM ENGINEERING

| | | |
|--------------------|----|----------|
| a. SWPPP | \$ | 1,583.29 |
| b. Field Surveying | \$ | 1,732.50 |

SUBCONSULTANTS

| | | |
|---|----|----------|
| a. Geotechnical Investigation (Estimated) | \$ | 2,950.00 |
| b. Dannenbaum Subconsultant Administration at 10% | \$ | 295.00 |

SUBTOTAL **\$** **6,560.79**

TOTAL DESIGN PHASE SERVICES **\$** **49,198.96**

B. BID PHASE SERVICES **\$** **4,384.16**

C. CONSTRUCTION PHASE SERVICES **\$** **2,613.98**

D. OTHER DIRECT COSTS **\$** **1,302.90**

| | | |
|---------------------------|-----------|------------------|
| TOTAL PROJECT COST | \$ | 57,500.00 |
|---------------------------|-----------|------------------|

DANNENBAUM ENGINEERING COMPANY - McALLEN LLC

1109 NOLANA LOOP, SUITE 208 McALLEN, TEXAS 78504 (956) 682-3677

22 August 2014 (Revised 25 August 2014)

Urban County Program
427 E. Duranta Avenue, Suite 107
Alamo, Texas 78516

ATTN: Ms. Monica Leal
Program Coordinator

REF: Urban County Project for City of La Villa Wastewater Treatment Plant Improvements

SUBJ: Project Schedule

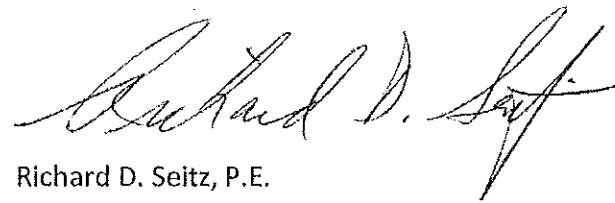
Dear Ms. Leal,

Per directions in your email of August 25, 2014, I'm providing the following preliminary schedule for prosecution of the Urban County project for improvements to the existing City of La Villa Wastewater Treatment Plant (WWTP).

- **Design Phase Services:**
(Prosecution of Construction Documents (Drawings & Specifications)16 wks
- **Bid Phase Services:**
(Advertisement for Bids and Award of Contract) 8 wks
- **Construction Phase Services:**
(Contract Execution, NTP to Project Close-out).....24 wks

Respectfully submitted,

DANNENBAUM ENGINEERING COMPANY – McALLEN, LLC.



Richard D. Seitz, P.E.
Senior Project Manager

EXHIBIT "D"
LISTING OF WORK TASKS, MANHOURS & FEES

Dannenbaum Engineering Company - McAllen, LLC
 Dannenbaum Project Number: 0048-01
 Client Name: City of La Villa, Texas
 Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014
 Prepared by: RDS
 Reviewed by: GR
 Checked by: LHJ
 (Revised August 6, 2014)

| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOUR ESTIMATE | | TOTAL MANHOURS PER TASK BY CLASSIFICATION | | | | | | | | | | | | | | | | | TOTAL MH'S PER TASK | TOTAL FEE PER TASK | |
|---|--|---------------------------|------|---|-------------|-------------|------------------------------|-----------|--------------|----------------------------|----------------------------|-----------------------------|---------------------|---------------------|----------------------|--------------------|-------------|-----------|------------|-------------------|---------------------|--------------------|-------------|
| | | | | PRINCIPAL | QA OFFICER | PROJECT MGR | DOCUMENT CONTROL / SCHEDULER | CLERICAL | PROJECT ENGR | SENIOR DESIGN ENGR (Civil) | SENIOR DESIGN ENGR (Stru.) | SENIOR DESIGN ENGR (Elect.) | DESIGN ENGR (Civil) | DESIGN ENGR (Stru.) | DESIGN ENGR (Elect.) | SENIOR DESIGN TECH | DESIGN TECH | CAD OPER | CONSTR MGR | RESIDENT SITE REP | | | |
| | | | | QNTY | UNIT | 380.40 | 278.99 | 232.51 | 70.05 | 55.80 | 187.25 | 196.47 | 198.95 | 201.18 | 131.90 | 133.38 | 135.93 | 119.36 | 100.76 | 92.79 | | | 100.39 |
| DESIGN PHASE SERVICES TASKS | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN PHASE BASIC SERVICES | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT ADMINISTRATION | | | | | | | | | | | | | | | | | | | | | | | |
| | Negotiate / Review / Sign Client's Contract | 1 | EACH | 0.25 | 0.00 | 0.50 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | \$ 225.31 | | |
| | Prepare / Negotiate Subcontractor Contracts | 1 | EACH | 0.05 | 0.00 | 0.50 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | \$ 163.18 | | |
| | Issue Written Notice to Proceed to Subcontractors | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | | |
| | Prepare and Submit Monthly Invoice (4 Mos Work Schedule) | 4 | MOS | 0.00 | 0.00 | 1.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | \$ 344.11 | | |
| | Quality Assurance Review (QA) | 1 | L.S. | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | \$ 1,115.90 | | |
| | TOTAL PROJECT ADMINISTRATION MAN-HOURS | | | 0.30 | 4.00 | 2.00 | 0.00 | 2.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.05 | | | |
| | TOTAL PROJECT ADMINISTRATION COST | | | \$ 114.12 | \$ 1,115.90 | \$ 465.02 | \$ - | \$ 153.45 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,848.49 | \$ 1,848.49 | | |
| PROJECT MANAGEMENT | | | | | | | | | | | | | | | | | | | | | | | |
| | Attend "Kick-Off" Meeting with Stakeholders (i.e. Urban Co., City of La Villa) | 1 | EACH | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | \$ 1,049.40 | | |
| | Assemble and Review Existing Data | 1 | EACH | 0.00 | 0.00 | 0.50 | 0.05 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.05 | \$ 147.66 | | |
| | Conduct Site Reconnaissance | 1 | EACH | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | \$ 1,049.40 | | |
| | Prepare and Submit Project Work Schedule | 1 | EACH | 0.00 | 0.00 | 0.50 | 0.05 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.55 | \$ 175.56 | | |
| | Prepare & Submit Monthly Proj. Work Schedule Update (4 Mos Work Schedule) | 3 | EACH | 0.00 | 0.00 | 1.50 | 0.15 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | \$ 442.97 | | |
| | Prepare and Submit Monthly Progress Reports (4 Mos Work Schedule) | 3 | MOS | 0.00 | 0.00 | 1.50 | 0.15 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.15 | \$ 442.97 | | |
| | Wkly Coordinate Mtgs w/ Project Team (4 Mos = 52 x 4/12 wks - 1 wk) | 16 | WKS | 0.00 | 0.00 | 8.00 | 0.00 | 0.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | \$ 3,358.08 | | |
| | TOTAL PROJECT MANAGEMENT MAN-HOURS | | | 0.00 | 0.00 | 17.00 | 0.40 | 4.50 | 13.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 34.90 | | | |
| | TOTAL PROJECT MANAGEMENT COST | | | \$ - | \$ - | \$ 3,952.67 | \$ 28.02 | \$ 251.10 | \$ 2,434.25 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 6,666.04 | \$ 6,666.04 | | |
| TOTAL PROJECT ADMIN & MGMT MAN-HOURS | | | | | | | | | | | | | | | | | | | | | | 0.30 | 4.00 |
| TOTAL PROJECT ADMIN & MGMT COST | | | | | | | | | | | | | | | | | | | | | | \$ 114.12 | \$ 1,115.90 |
| % OF TOTAL HOURS PER CLASSIFICATION | | | | | | | | | | | | | | | | | | | | | | 0.68% | 9.10% |
| PRILIMINARY DESIGN PHASE SERVICES | | | | | | | | | | | | | | | | | | | | | | | |
| MEETINGS | | | | | | | | | | | | | | | | | | | | | | | |
| | Coordinate Meetings w/ Urban County | 1 | EACH | 0.00 | 0.00 | 1.50 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | \$ 376.67 | | |
| | Coordinate Meetings w/ City of La Villa | 1 | EACH | 0.00 | 0.00 | 2.00 | 0.00 | 0.39 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.39 | \$ 861.28 | | |
| | Discussions / Meetings w/ Stakeholders / City Council | 1 | EACH | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | \$ 839.52 | | |
| | Comment Review Meeting w/ Plan Reviewer | 1 | EACH | 0.00 | 0.00 | 1.50 | 0.00 | 0.50 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.50 | \$ 657.54 | | |
| | TOTAL MEETING MAN-HOURS | | | 0.00 | 0.00 | 7.00 | 0.00 | 1.39 | 5.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.89 | | | |
| | TOTAL MEETING COST | | | \$ - | \$ - | \$ 1,627.57 | \$ - | \$ 77.56 | \$ 1,029.88 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 2,735.01 | \$ 2,735.01 | | |
| GENERAL | | | | | | | | | | | | | | | | | | | | | | | |
| | Title Sheet | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.94 | 0.00 | 0.00 | 1.52 | \$ 155.75 | |
| | Drawing Index Sheet | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.06 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.94 | 0.00 | 0.00 | 1.46 | \$ 144.81 | | |
| | Symbols & Abbreviations | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.94 | 0.00 | 0.00 | 0.00 | 1.52 | \$ 155.75 | | |
| | General Construction Notes | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 0.00 | 0.00 | 0.00 | 1.52 | \$ 152.02 | | |
| | Tabulation of Quantities Sheet | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.94 | 1.87 | 0.00 | 0.00 | 2.92 | \$ 289.61 | | |
| | TOTAL GENERAL MAN-HOURS | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.34 | 6.08 | 0.00 | 0.00 | 8.94 | | | |
| | TOTAL GENERAL COST | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 98.48 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 235.53 | \$ 563.93 | \$ - | \$ - | \$ 897.94 | \$ 897.94 | | |
| SITE LAYOUT | | | | | | | | | | | | | | | | | | | | | | | |
| | Horizontal & Vertical (BMS) Control Sheet | 1 | SHTS | 0.00 | 0.00 | 0.15 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 1.40 | 0.00 | 0.00 | 0.00 | 2.52 | \$ 357.57 | | |
| | Grading Plan | 1 | SHTS | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 1.40 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 2.22 | \$ 303.04 | | |
| | Grading Details | 1 | SHTS | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 1.05 | \$ 148.88 | | |
| | Conduct Grading Quantity Take-off & Calculation | 1 | L.S. | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.23 | 0.47 | 0.00 | 0.00 | 0.00 | 0.82 | \$ 102.18 | | |
| | Storm Water Drainage Plan | 0 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | | |
| | Storm Water Drainage Details | 0 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | | |
| | Conduct Drainage Quantity Take-off & Calculation | 0 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | | |
| | TOTAL SITE LAYOUT MAN-HOURS | | | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 2.10 | 0.00 | 0.00 | 1.64 | 1.40 | 0.00 | 0.00 | 0.00 | 6.61 | | | |
| | TOTAL SITE LAYOUT COST | | | \$ - | \$ - | \$ 116.40 | \$ - | \$ - | \$ 181.16 | \$ - | \$ - | \$ 277.48 | \$ - | \$ - | \$ 195.30 | \$ 141.32 | \$ - | \$ - | \$ - | \$ 911.67 | \$ 911.67 | | |
| HEADWORKS | | | | | | | | | | | | | | | | | | | | | | | |
| | Headworks Structure Design and Detailing | 2 | SHTS | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.25 | 0.00 | 3.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 3.00 | 1.50 | 0.00 | 0.00 | 11.87 | \$ 1,645.82 | |
| | Headworks Piping Design and Detailing | 2 | SHTS | 0.00 | 0.00 | 0.07 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 3.00 | 1.00 | 0.00 | 0.00 | 6.32 | \$ 721.99 | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.83 | \$ 100.28 | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.83 | \$ 100.28 | | |
| | TOTAL HEADWORKS MAN-HOURS | | | 0.00 | 0.00 | 0.19 | 0.00 | 0.00 | 0.70 | 0.00 | 3.00 | 0.00 | 2.00 | 4.47 | 0.00 | 0.00 | 7.00 | 2.50 | 0.00 | 0.00 | 19.85 | | |
| | TOTAL HEADWORKS COST | | | \$ - | \$ - | \$ 43.48 | \$ - | \$ - | \$ 131.08 | \$ - | \$ 596.85 | \$ - | \$ 263.80 | \$ 595.88 | \$ - | \$ - | \$ 705.32 | \$ 231.98 | \$ - | \$ - | \$ 2,568.37 | \$ 2,568.37 | |
| CLARIFIERS | | | | | | | | | | | | | | | | | | | | | | | |

EXHIBIT "D"
LISTING OF WORK TASKS, MANHOURS & FEES

Dannenbaum Engineering Company - McAllen, LLC
 Dannenbaum Project Number: 0048-01
 Client Name: City of La Villa, Texas
 Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014
 Prepared by: RDS
 Reviewed by: GR
 Checked by: LHJ
 (Revised August 6, 2014)

| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOURLY ESTIMATE | | TOTAL MANHOURS PER TASK BY CLASSIFICATION | | | | | | | | | | | | | | | | | TOTAL MH'S PER TASK | TOTAL FEE PER TASK |
|---------------|--|-----------------------------|------|---|------------|-------------|------------------------------|-----------|--------------|----------------------------|----------------------------|-----------------------------|---------------------|---------------------|----------------------|--------------------|-------------|-------------|------------|-------------------|---------------------|--------------------|
| | | | | PRINCIPAL | QA OFFICER | PROJECT MGR | DOCUMENT CONTROL / SCHEDULER | CLERICAL | PROJECT ENGR | SENIOR DESIGN ENGR (Civil) | SENIOR DESIGN ENGR (Stru.) | SENIOR DESIGN ENGR (Elect.) | DESIGN ENGR (Civil) | DESIGN ENGR (Stru.) | DESIGN ENGR (Elect.) | SENIOR DESIGN TECH | DESIGN TECH | CAD OPER | CONSTR MGR | RESIDENT SITE REP | | |
| | | | | QNTY | UNIT | 380.40 | 278.99 | 232.51 | 70.05 | 55.80 | 187.25 | 196.47 | 198.95 | 201.18 | 131.90 | 133.38 | 135.93 | 119.36 | 100.76 | 92.79 | | |
| | Installation Drawings & Details | 2 | SHTS | 0.00 | 0.00 | 0.23 | 0.00 | 0.00 | 0.75 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 6.98 | \$ 829.75 | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.12 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.87 | \$ 139.94 | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | TOTAL CLARIFIERS MAN-HOURS | | | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 7.85 | | |
| | TOTAL CLARIFIERS COST | | | \$ - | \$ - | \$ 81.52 | \$ - | \$ - | \$ 187.25 | \$ - | \$ - | \$ 329.75 | \$ - | \$ - | \$ - | \$ - | \$ 371.16 | \$ - | \$ - | \$ 969.68 | \$ 969.68 | |
| | DEWATERING STATION | | | | | | | | | | | | | | | | | | | | | |
| | Roll-Off Pad Structure | | | | | | | | | | | | | | | | | | | | | |
| | Roll-Off Pad Structure Design and Detailing | 2 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 1.00 | 0.00 | 4.00 | 0.00 | 0.00 | 1.00 | 5.00 | 0.00 | 0.00 | 11.50 | \$ 1,390.81 | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.25 | \$ 25.19 | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.25 | \$ 25.19 | | |
| | Polymer Tanks & Appurtenances | | | | | | | | | | | | | | | | | | | | | |
| | Polymer Tanks & Appurtenances Drawings / Details | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.50 | 0.00 | 0.00 | 3.50 | \$ 450.96 | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | \$ 32.98 | | |
| | TOTAL DEWATERING STATION MAN-HOURS | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.25 | 4.00 | 0.00 | 1.50 | 1.50 | 5.50 | 0.00 | 0.00 | 15.75 | | |
| | TOTAL DEWATERING STATION COST | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 187.25 | \$ - | \$ 198.95 | \$ 164.88 | \$ 533.52 | \$ - | \$ 179.04 | \$ 151.14 | \$ 510.35 | \$ - | \$ - | \$ 1,925.12 | \$ 1,925.12 | |
| | ROLL-OFF TANKS | | | | | | | | | | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.97 | \$ 140.73 | |
| | TOTAL ROLL-OFF TANKS MAN-HOURS | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.00 | 0.97 | | | |
| | TOTAL ROLL-OFF TANKS COST | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 93.63 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 47.11 | \$ - | \$ - | \$ - | \$ - | \$ 140.73 | \$ 140.73 | |
| | FINAL ENGINEERING REPORT | | | | | | | | | | | | | | | | | | | | | |
| | Prepare Draft Report (Incl'd Engr, Det'l's, Description) | 1 | L.S. | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 2.50 | 0.50 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 6.50 | \$ 1,046.94 | |
| | Prepare Final Report (Incl'd Engr, Det'l's, Description) | 0 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | TOTAL FINAL ENGINEERING REPORT MAN-HOURS | | | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 2.50 | 0.50 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 6.50 | | |
| | TOTAL FINAL ENGINEERING REPORT COST | | | \$ - | \$ - | \$ 232.51 | \$ - | \$ 55.80 | \$ 468.13 | \$ 98.24 | \$ 99.48 | \$ - | \$ - | \$ - | \$ - | \$ 92.79 | \$ - | \$ - | \$ - | \$ 1,046.94 | \$ 1,046.94 | |
| | TOTAL HOURS - PRELIMINARY DESIGN PHASE SERVICES | | | 0.00 | 0.00 | 9.04 | 0.00 | 2.39 | 12.69 | 0.50 | 4.50 | 0.00 | 7.85 | 8.47 | 0.00 | 3.14 | 12.71 | 19.08 | 0.00 | 80.36 | | |
| | TOTAL COST - PRELIMINARY DESIGN PHASE SERVICES | | | \$ - | \$ - | \$ 2,101.48 | \$ - | \$ 133.36 | \$ 2,376.85 | \$ 98.24 | \$ 895.28 | \$ - | \$ 1,035.91 | \$ 1,129.40 | \$ - | \$ 374.34 | \$ 1,280.41 | \$ 1,770.20 | \$ - | \$ 11,195.46 | \$ 11,195.46 | |
| | % OF TOTAL HOURS PER CLASSIFICATION | | | 0.00% | 0.00% | 11.25% | 0.00% | 2.97% | 15.79% | 0.62% | 5.60% | 0.00% | 9.77% | 10.54% | 0.00% | 3.90% | 15.81% | 23.74% | 0.00% | 100.00% | | |
| | FINAL DESIGN PHASE SERVICES | | | | | | | | | | | | | | | | | | | | | |
| | MEETINGS | | | | | | | | | | | | | | | | | | | | | |
| | Coordinate Meetings w/ Urban County | 1 | EACH | 0.00 | 0.00 | 2.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.25 | \$ 478.97 | |
| | Coordinate Meetings w/ City of La Villa | 1 | EACH | 0.00 | 0.00 | 2.50 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.75 | \$ 595.23 | |
| | Discussions / Meetings w/ Stakeholders | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | Comment Review Meeting w/ Plan Reviewer | 1 | EACH | 0.00 | 0.00 | 2.00 | 0.00 | 0.50 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.50 | \$ 867.42 | |
| | TOTAL MEETING MAN-HOURS | | | 0.00 | 0.00 | 6.50 | 0.00 | 1.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.50 | | |
| | TOTAL MEETING COST | | | \$ - | \$ - | \$ 1,511.32 | \$ - | \$ 55.80 | \$ 374.50 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,941.62 | \$ 1,941.62 | |
| | GENERAL | | | | | | | | | | | | | | | | | | | | | |
| | Title Sheet | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 1.25 | 0.00 | 0.00 | 1.55 | \$ 150.54 | |
| | Drawing Index Sheet | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 1.25 | 0.00 | 0.00 | 1.55 | \$ 150.54 | |
| | Symbols & Abbreviations | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 1.50 | 0.00 | 0.00 | 1.80 | \$ 173.74 | |
| | General Construction Notes | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.35 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 4.35 | \$ 436.70 | |
| | Prepare Tabulation of Quantities | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.25 | 6.00 | 0.00 | 0.00 | 12.25 | \$ 1,272.98 | |
| | TOTAL GENERAL MAN-HOURS | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 14.00 | 0.00 | 0.00 | 21.50 | | |
| | TOTAL GENERAL COST | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 280.88 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 604.56 | \$ 1,299.06 | \$ - | \$ - | \$ 2,184.50 | \$ 2,184.50 | |

EXHIBIT "D"
LISTING OF WORK TASKS, MANHOURS & FEES

Dannenbaum Engineering Company - McAllen, LLC
Dannenbaum Project Number: 0048-01
Client Name: City of La Villa, Texas
Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014
Prepared by: RDS
Reviewed by: GR
Checked by: LHJ
(Revised August 6, 2014)

| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOUR ESTIMATE | | TOTAL MANHOURS PER TASK BY CLASSIFICATION | | | | | | | | | | | | | | | | | TOTAL MH'S PER TASK | TOTAL FEE PER TASK | | | |
|---|--|---------------------------|------|---|-------------|-------------|------------------------------|-----------|--------------|----------------------------|----------------------------|-----------------------------|---------------------|---------------------|----------------------|--------------------|-------------|-------------|------------|-------------------|---------------------|--------------------|-----------|--|--|
| | | | | PRINCIPAL | QA OFFICER | PROJECT MGR | DOCUMENT CONTROL / SCHEDULER | CLERICAL | PROJECT ENGR | SENIOR DESIGN ENGR (Civil) | SENIOR DESIGN ENGR (Stru.) | SENIOR DESIGN ENGR (Elect.) | DESIGN ENGR (Civil) | DESIGN ENGR (Stru.) | DESIGN ENGR (Elect.) | SENIOR DESIGN TECH | DESIGN TECH | CAD OPER | CONSTR MGR | RESIDENT SITE REP | | | | | |
| | | | | 380.40 | 278.99 | 232.51 | 70.05 | 55.80 | 187.25 | 196.47 | 198.95 | 201.18 | 131.90 | 133.38 | 135.93 | 119.36 | 100.76 | 92.79 | 100.39 | 93.79 | | | | | |
| SITE LAYOUT | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Horizontal & Vertical (BMS) Control Sheet | 1 | SHTS | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 4.25 | 0.00 | 0.00 | 0.00 | 0.00 | 6.35 | \$ | 849.68 | | |
| | Grading Plan | 1 | SHTS | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 2.60 | \$ | 392.78 | | |
| | Grading Details | 1 | SHTS | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 1.50 | \$ | 214.48 | | |
| | Conduct Grading Quantity Take-off & Calculation | 1 | L.S. | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.50 | 0.00 | 0.00 | 0.00 | 0.95 | \$ | 122.20 | | |
| | Storm Water Drainage Plan | 0 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ | - | | |
| | Storm Water Drainage Details | 0 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ | - | | |
| | Conduct Drainage Quantity Take-off & Calculation | 0 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ | - | | |
| | TOTAL SITE LAYOUT MAN-HOURS | | | 0.00 | 0.00 | 0.40 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 4.50 | 1.50 | 0.00 | 0.00 | 0.00 | 11.40 | | | | |
| | TOTAL SITE LAYOUT COST | | | \$ - | \$ - | \$ 93.00 | \$ - | \$ - | \$ 468.13 | \$ - | \$ - | \$ - | \$ 329.75 | \$ - | \$ - | \$ 537.12 | \$ 151.14 | \$ - | \$ - | \$ - | \$ 1,579.14 | \$ | 1,579.14 | | |
| HEADWORKS | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Structure Design and Detailing | 2 | SHTS | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.50 | 0.00 | 8.00 | 0.00 | 0.00 | 16.00 | 0.00 | 0.00 | 8.00 | 4.00 | 0.00 | 0.00 | 36.60 | \$ | 5,019.80 | | |
| | Piping Design and Detailing | 2 | SHTS | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 6.00 | 0.00 | 0.00 | 10.00 | 3.00 | 0.00 | 0.00 | 0.00 | 20.60 | \$ | 2,381.50 | | |
| | Electrical Power & Control Details | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 3.50 | \$ | 595.74 | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.25 | 0.25 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 1.80 | \$ | 225.52 | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 1.75 | 0.50 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 4.05 | \$ | 507.09 | | |
| | TOTAL HEADWORKS MAN-HOURS | | | 0.00 | 0.00 | 0.30 | 0.00 | 0.00 | 2.50 | 0.00 | 8.00 | 2.50 | 8.00 | 16.75 | 0.00 | 0.00 | 20.50 | 8.00 | 0.00 | 0.00 | 66.55 | | | | |
| | TOTAL HEADWORKS COST | | | \$ - | \$ - | \$ 69.75 | \$ - | \$ - | \$ 468.13 | \$ - | \$ 1,591.60 | \$ 502.95 | \$ 1,055.20 | \$ 2,234.12 | \$ - | \$ - | \$ 2,066.58 | \$ 742.32 | \$ - | \$ - | \$ 8,729.64 | \$ | 8,729.64 | | |
| CLARIFIERS | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Installation Details | 2 | SHTS | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 0.00 | 8.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.00 | 0.00 | 0.00 | 21.00 | \$ | 2,590.11 | | |
| | Electrical Power & Control Details | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.46 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 3.46 | \$ | 478.90 | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 1.25 | \$ | 165.16 | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 0.00 | 1.75 | \$ | 197.95 | | |
| | TOTAL CLARIFIERS MAN-HOURS | | | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 2.50 | 0.00 | 0.00 | 1.46 | 8.00 | 0.00 | 0.50 | 0.00 | 2.00 | 12.00 | 0.00 | 0.00 | 27.46 | | | | |
| | TOTAL CLARIFIERS COST | | | \$ - | \$ - | \$ 232.51 | \$ - | \$ - | \$ 468.13 | \$ - | \$ 293.32 | \$ 1,055.20 | \$ - | \$ 67.97 | \$ - | \$ 201.52 | \$ 1,113.48 | \$ - | \$ - | \$ - | \$ 3,432.12 | \$ | 3,432.12 | | |
| DEWATERING STATION | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Roll-Off Pad Structure | | | | | | | | | | | | | | | | | | | | | | | | |
| | Structure Design and Detailing | 2 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.30 | 0.00 | 1.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 7.30 | \$ | 933.64 | | |
| | Electrical Power & Lighting Details | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 1.60 | \$ | 266.30 | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.70 | \$ | 91.93 | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 1.20 | \$ | 154.52 | | |
| | Polymer Tanks & Appurtenances | | | | | | | | | | | | | | | | | | | | | | | | |
| | Polymer Tanks & Appurtenances Drawings / Details | 1 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.00 | 1.00 | 0.30 | 0.00 | 0.50 | 0.00 | 1.00 | 0.00 | 0.00 | 2.90 | \$ | 343.11 | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.10 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.80 | \$ | 101.02 | | | |
| | TOTAL DEWATERING STATION MAN-HOURS | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 1.00 | 1.00 | 1.30 | 4.00 | 0.00 | 0.50 | 1.20 | 4.50 | 0.00 | 0.00 | 14.50 | | | | |
| | TOTAL DEWATERING STATION COST | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 187.25 | \$ - | \$ 198.95 | \$ 201.18 | \$ 171.47 | \$ 533.52 | \$ - | \$ 59.68 | \$ 120.91 | \$ 417.56 | \$ - | \$ - | \$ 1,890.52 | \$ | 1,890.52 | | |
| ROLL-OFF TANKS | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 3.00 | \$ | 404.34 | | |
| | TOTAL ROLL-OFF TANKS MAN-HOURS | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 1.50 | 0.00 | 0.00 | 0.00 | 3.00 | | | | |
| | TOTAL ROLL-OFF TANKS COST | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 187.25 | \$ - | \$ - | \$ - | \$ 65.95 | \$ - | \$ - | \$ 151.14 | \$ - | \$ - | \$ - | \$ - | \$ 404.34 | \$ | 404.34 | | |
| FINAL ENGINEERING REPORT | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare Draft Final Report (Incl'd Engr, Det'l's, Description) | 1 | L.S. | 0.00 | 0.00 | 1.50 | 0.00 | 3.00 | 3.00 | 2.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 15.50 | \$ | 2,239.92 | | |
| | Prepare Final Report (Incl'd Engr, Det'l's, Description) | 1 | L.S. | 0.00 | 0.00 | 0.50 | 0.00 | 0.50 | 1.00 | 0.25 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 3.25 | \$ | 526.39 | | |
| | TOTAL FINAL ENGINEERING REPORT MAN-HOURS | | | 0.00 | 0.00 | 2.00 | 0.00 | 3.50 | 4.00 | 2.25 | 2.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.50 | 0.00 | 0.00 | 0.00 | 18.75 | | | | |
| | TOTAL FINAL ENGINEERING REPORT COST | | | \$ - | \$ - | \$ 465.02 | \$ - | \$ 195.30 | \$ 749.00 | \$ 442.06 | \$ 497.38 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 417.56 | \$ - | \$ - | \$ - | \$ 2,766.31 | \$ | 2,766.31 | | |
| | TOTAL HOURS - FINAL DESIGN PHASE SERVICES | | | 0.00 | 0.00 | 10.20 | 0.00 | 4.50 | 17.00 | 2.25 | 11.50 | 4.96 | 20.30 | 20.75 | 0.50 | 5.00 | 32.70 | 43.00 | 0.00 | 0.00 | 172.66 | | | | |
| | TOTAL COST - FINAL DESIGN PHASE SERVICES | | | \$ - | \$ - | \$ 2,371.60 | \$ - | \$ 251.10 | \$ 3,183.25 | \$ 442.06 | \$ 2,287.93 | \$ 997.45 | \$ 2,677.57 | \$ 2,767.64 | \$ 67.97 | \$ 596.80 | \$ 3,294.85 | \$ 3,989.97 | \$ - | \$ - | \$ 22,928.18 | \$ | 22,928.18 | | |
| | % OF TOTAL HOURS PER CLASSIFICATION | | | 0.00% | 0.00% | 5.91% | 0.00% | 2.61% | 9.85% | 1.30% | 6.66% | 2.87% | 11.76% | 12.02% | 0.29% | 2.90% | 18.94% | 24.90% | 0.00% | 0.00% | 100.00% | | | | |
| | TOTAL HOURS - DESIGN PHASE BASIC SERVICES | | | 0.30 | 4.00 | 38.24 | 0.40 | 14.14 | 42.69 | 2.75 | 16.00 | 4.96 | 28.15 | 29.22 | 0.50 | 8.14 | 45.41 | 62.08 | 0.00 | 0.00 | 296.97 | | | | |
| | TOTAL COST - DESIGN PHASE BASIC SERVICES | | | \$ 114.12 | \$ 1,115.90 | \$ 8,890.78 | \$ 28.02 | \$ 789.01 | \$ 7,994.35 | \$ 540.29 | \$ 3,183.20 | \$ 997.45 | \$ 3,713.48 | \$ 3,897.03 | \$ 67.97 | \$ 971.14 | \$ 4,575.26 | \$ 5,760.17 | \$ - | \$ - | \$ 42,638.17 | \$ | 42,638.17 | | |
| | % OF TOTAL HOURS PER CLASSIFICATION | | | 0.10% | 1.35% | 12.88% | 0.13% | 4.76% | 14.38% | 0.93% | 5.39% | 1.67% | 9.48% | 9.84% | 0.17% | 2.74% | 15.29% | 20.90% | 0.00% | 0.00% | 100.00% | | | | |
| ADDITIONAL DESIGN PHASE "SPECIAL" SERVICES TASKS | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN PHASE ADDITIONAL "SPECIAL" SERVICES | | | | | | | | | | | | | | | | | | | | | | | | | |
| STORMWATER POLLUTION PROTECTION PREVENTION (SWPPP) | | | | | | | | | | | | | | | | | | | | | | | | | |

EXHIBIT "D"
LISTING OF WORK TASKS, MANHOURS & FEES

Dannenbaum Engineering Company - McAllen, LLC
 Dannenbaum Project Number: 0048-01
 Client Name: City of La Villa, Texas
 Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014
 Prepared by: RDS
 Reviewed by: GR
 Checked by: LHJ
 (Revised August 6, 2014)

| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOUR ESTIMATE | | TOTAL MANHOURS PER TASK BY CLASSIFICATION | | | | | | | | | | | | | | | | | TOTAL MH'S PER TASK | TOTAL FEE PER TASK |
|---------------|---|---------------------------|------|---|------------|-------------|------------------------------|----------|--------------|----------------------------|----------------------------|-----------------------------|---------------------|---------------------|----------------------|--------------------|-------------|-------------|------------|-------------------|---------------------|--------------------|
| | | QNTY | UNIT | PRINCIPAL | QA OFFICER | PROJECT MGR | DOCUMENT CONTROL / SCHEDULER | CLERICAL | PROJECT ENGR | SENIOR DESIGN ENGR (Civil) | SENIOR DESIGN ENGR (Stru.) | SENIOR DESIGN ENGR (Elect.) | DESIGN ENGR (Civil) | DESIGN ENGR (Stru.) | DESIGN ENGR (Elect.) | SENIOR DESIGN TECH | DESIGN TECH | CAD OPER | CONSTR MGR | RESIDENT SITE REP | | |
| | | | | 380.40 | 278.99 | 232.51 | 70.05 | 55.80 | 187.25 | 196.47 | 198.95 | 201.18 | 131.90 | 133.38 | 135.93 | 119.36 | 100.76 | 92.79 | 100.39 | 93.79 | | |
| | Plan / Description | 1 | SHTS | 0.00 | 0.00 | 0.20 | 0.00 | 0.80 | 0.25 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 5.85 | \$ 682.12 | |
| | Details | 6 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 2.40 | 0.00 | 0.00 | 5.00 | \$ 546.61 | |
| | Specifications | 1 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.40 | 0.05 | 0.00 | 0.00 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.45 | \$ 163.58 | |
| | Quantities | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | 0.00 | 0.00 | 0.00 | 0.00 | 1.60 | \$ 190.98 | |
| | TOTAL SWPPP MAN-HOURS | | | 0.00 | 0.00 | 0.20 | 0.00 | 1.20 | 0.50 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 4.00 | 0.00 | 4.00 | 0.00 | 0.00 | 13.90 | | |
| | TOTAL SWPPP COST | | | \$ - | \$ - | \$ 46.50 | \$ - | \$ 66.96 | \$ 93.63 | \$ - | \$ - | \$ 527.60 | \$ - | \$ - | \$ 477.44 | \$ - | \$ 371.16 | \$ - | \$ - | \$ 1,583.29 | \$ 1,583.29 | |
| | % OF TOTAL HOURS PER CLASSIFICATION | | | 0.00% | 0.00% | 1.44% | 0.00% | 8.63% | 3.60% | 0.00% | 0.00% | 28.78% | 0.00% | 0.00% | 28.78% | 0.00% | 28.78% | 0.00% | 0.00% | 100.00% | | |
| | OTHER MISCELLANEOUS SPECIAL SERVICES | | | | | | | | | | | | | | | | | | | | | |
| | SUBCONSULTANTS | | | | | | | | | | | | | | | | | | | | | |
| | Geotechnical Investigations | 1 | L.S. | | | | | | | | | | | | | | | | | \$ 2,950.00 | \$ - | |
| | Site Lighting | 0 | L.S. | | | | | | | | | | | | | | | | | \$ - | \$ - | |
| | Site Landscaping | 0 | L.S. | | | | | | | | | | | | | | | | | \$ - | \$ - | |
| | Site Landscape Irrigation | 0 | L.S. | | | | | | | | | | | | | | | | | \$ - | \$ - | |
| | SUBTOTAL | | | | | | | | | | | | | | | | | | | \$ 2,950.00 | | |
| | DANNENBAUM | | | | | | | | | | | | | | | | | | | | | |
| | Dannenbaum Subcontract Administration at 10% | 1 | L.S. | | | | | | | | | | | | | | | | | \$ 295.00 | \$ - | |
| | Surveying (Dannenbaum Engineering Company-McAllen, LLC) | 1 | L.S. | | | | | | | | | | | | | | | | | \$ 1,732.50 | \$ - | |
| | PROJECT CD'S (Dannenbaum Engineering Company-McAllen, LLC) | 2 | EACH | | | | | | | | | | | | | | | | | SEE ODC | \$ - | |
| | SUBTOTAL | | | | | | | | | | | | | | | | | | | \$ 2,027.50 | | |
| | TOTAL OTHER MISCELLANEOUS SPECIAL SERVICES | | | | | | | | | | | | | | | | | | | \$ 4,977.50 | \$ 4,977.50 | |
| | TOTAL COST - DESIGN PHASE ADDITIONAL "SPECIAL" SERVICES | | | | | | | | | | | | | | | | | | | | \$ 6,560.79 | |
| | TOTAL DESIGN PHASE SERVICES (BASIC + SPL) COST | | | | | | | | | | | | | | | | | | | | \$ 49,198.96 | |
| | BID PHASE SERVICES | | | | | | | | | | | | | | | | | | | | | |
| | BIDDING PHASE SERVICES | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE "ISSUE FOR BID" (IFB) CONSTRUCTION DRAWINGS | 48 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 0.00 | 16.00 | \$ 1,606.24 | |
| | PREPARE "ISSUE FOR BID" (IFB) PROJECT SPECIFICATIONS | 12 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.60 | \$ 119.37 | |
| | PREPARE "ISSUE FOR BID" (IFB) CONSTRUCTION SPECIFICATIONS | 10 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.50 | \$ 99.48 | |
| | COORDINATE / ASSEMBLE BID SETS (Bid Specifications, Construction Drawings & Specifications) | 1 | L.S. | | | | | | | | | | | | | | | | | | \$ - | |
| | ATTEND / ASSIST WITH PREBID CONFERENCE | 1 | L.S. | 0.00 | 0.00 | 2.00 | 0.00 | 0.00 | 2.00 | 2.00 | 2.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8.00 | \$ 1,639.78 | |
| | PREPARE RESPONSE(S) TO BID QUESTIONS | 1 | L.S. | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 1.00 | 0.50 | 1.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | \$ 604.16 | |
| | PREPARE ADDENDA AS REQUIRED | 1 | L.S. | 0.00 | 0.00 | 0.05 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.55 | \$ 105.25 | | |
| | DISTRIBUTE ADDENDA AS REQUIRED | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | ATTEND BID OPENING (By Others) | 0 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | EVALUATE, PREPARE, & SUBMIT BID TABULATION | 1 | L.S. | | | | | | | | | | | | | | | | | | \$ - | |
| | PREPARE ENGINEER'S RECOMMENDATION OF AWARD | 1 | L.S. | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.00 | \$ 209.88 | |
| | NOTICE OF AWARD (By Others) | 0 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | TOTAL HOURS - BID PHASE SERVICES | | | 0.00 | 0.00 | 3.05 | 0.00 | 0.00 | FALSE | 3.60 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.00 | 0.00 | 29.65 | | |
| | TOTAL COST - BID PHASE SERVICES | | | \$ - | \$ - | \$ 709.16 | \$ - | \$ - | \$ - | \$ 716.22 | \$ 603.54 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,606.24 | \$ - | \$ 3,635.16 | \$ 4,384.16 | |
| | % OF TOTAL HOURS PER CLASSIFICATION | | | 0.00% | 0.00% | 10.29% | 0.00% | 0.00% | 0.00% | 0.00% | 12.14% | 10.12% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 53.96% | 0.00% | 100.00% | | |
| | TOTAL BID PHASE SERVICES COST | | | | | | | | | | | | | | | | | | | | \$ 4,384.16 | |
| | COMBINED TOTAL COST FOR DESIGN AND BID PHASE SERVICES | | | | | | | | | | | | | | | | | | | | \$ 53,583.12 | |
| | CONSTRUCTION PHASE | | | | | | | | | | | | | | | | | | | | | |
| | CONSTRUCTION PHASE SERVICES | | | | | | | | | | | | | | | | | | | | | |
| | A. PROJECT ADMINISTRATION | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE & SUBMIT ENGINEER'S MONTHLY INVOICES | 5 | EACH | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 1.25 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.25 | \$ 1,270.76 | |
| | PREPARE & SUBMIT ENGINEER'S MONTHLY PROGRESS REPORTS | 5 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | PROCESSING AND DISTRIBUTION OF WORK CHG DIRECTIVES | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | PROCESSING AND DISTRIBUTION OF CHG ORDER DOCUMENTS | 0 | EACH | | | | | | | | | | | | | | | | | | \$ - | |
| | PROCESSING AND DISTRIBUTE REVISED CONSTRUCTION PLANS | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | PROCESSING AND DISTRIBUTE REVISED PROJECT SPECIFICATIONS | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | PROCESS CONTRACT'S MONTHLY PAY REQUESTS | 3 | EACH | | | | | | | | | | | | | | | | | | \$ - | |
| | PROCESS CONTRACT'S MONTHLY PAY REQUEST | 1 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | DOCUMENT CONTROL AND REPRODUCTION | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | PREPARE / PROCESS MODIFICATIONS / SUPPLEMENTALS TO THE CONSTRUCTION CONTRACT | 0 | EACH | | | | | | | | | | | | | | | | | | \$ - | |

EXHIBIT "D"
LISTING OF WORK TASKS, MANHOURS & FEES

Dannenbaum Engineering Company - McAllen, LLC
 Dannenbaum Project Number: 0048-01
 Client Name: City of La Villa, Texas
 Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014
 Prepared by: RDS
 Reviewed by: GR
 Checked by: LHJ
 (Revised August 6, 2014)

| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOUR ESTIMATE | | TOTAL MANHOURS PER TASK BY CLASSIFICATION | | | | | | | | | | | | | | | | | TOTAL MH'S PER TASK | TOTAL FEE PER TASK |
|---|---|---------------------------|------|---|------------|-------------|------------------------------|----------|--------------|----------------------------|----------------------------|-----------------------------|---------------------|---------------------|----------------------|--------------------|-------------|----------|------------|-------------------|---------------------|--------------------|
| | | | | PRINCIPAL | QA OFFICER | PROJECT MGR | DOCUMENT CONTROL / SCHEDULER | CLERICAL | PROJECT ENGR | SENIOR DESIGN ENGR (Civil) | SENIOR DESIGN ENGR (Stru.) | SENIOR DESIGN ENGR (Elect.) | DESIGN ENGR (Civil) | DESIGN ENGR (Stru.) | DESIGN ENGR (Elect.) | SENIOR DESIGN TECH | DESIGN TECH | CAD OPER | CONSTR MGR | RESIDENT SITE REP | | |
| | | | | QNTY | UNIT | 380.40 | 278.99 | 232.51 | 70.05 | 55.80 | 187.25 | 196.47 | 198.95 | 201.18 | 131.90 | 133.38 | 135.93 | 119.36 | 100.76 | 92.79 | | |
| TOTAL PROJECT ADMINISTRATION MAN-HOURS | | | | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 1.25 | 0.00 | 3.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.25 | |
| TOTAL PROJECT ADMINISTRATION COST | | | | \$ - | \$ - | \$ 290.64 | \$ - | \$ - | \$ 234.06 | \$ - | \$ 746.06 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,270.76 | \$ 1,270.76 |
| B. CONSTRUCTION MANAGEMENT | | | | | | | | | | | | | | | | | | | | | | |
| | ASSIST THE PARTY IN OPENING AND TABULATION OF BIDS | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | PREPARE PROJECT MANUAL (Formal Contract Documents for the Contractor) | 48 | SHTS | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$4.80 | \$4.80 | |
| | a. Prepare "Issue for Construction (IFC) Construction Drawings | 12 | EACH | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.60 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.60 | |
| | b. Prepare "Issue for Construction (IFC) Project Specifications | 10 | EACH | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.50 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.00 | \$0.50 | \$99.48 | |
| | c. Prepare "Issue for Construction (IFC) Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | \$ - | |
| | d. Coordinate Reproduction & Assemble of Project Documents | 1 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | PRE-CONSTRUCTION CONFERENCE & SITE RECONNAISSANCE | 12 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | CONDUCT PERIODIC SITE VISITS (Average of 2 per mo. for 6 mos) | 4 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | REVIEW & APPROVAL OF SUBMITTAL DOCUMENTS | 2 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | a. Initial Submittal | 2 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | b. 1st Resubmittal (Assuming 35% Resubmittals) | 1 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | c. 2nd Resubmittal (Assuming 15% Resubmittals) | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | REVIEW & APPROVAL OF SHOP DRAWINGS | 6 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | a. Initial Submittal | 2 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | b. 1st Resubmittal (Assuming 35% Resubmittals) | 1 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | c. 2nd Resubmittal (Assuming 15% Resubmittals) | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | REVIEW & RESPOND TO REQUESTS FOR INFORMATION (RFI'S) | 6 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | REVIEW OF MATERIALS TEST REPORTS | | | | | | | | | | | | | | | | | | | | \$ - | |
| | Density Reports (Asphalt, base, subgrade) | 6 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | Aggregate Gradation Reports | 2 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | Concrete Cylinder Reports (2-7 day & 2-28 day per slab area / inlet / curb) | 6 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | REVIEW AND APPROVE CONTRACTOR'S MONTHLY PAY REQUESTS | 3 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | PREPARE AND NEGOTIATE CHANGE ORDERS | 1 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | PREPARE & ISSUE REVISED CONSTRUCTION PLANS & SPECIFICATIONS | 1 | EACH | | | | | | | | | | | | | | | | | | \$ - | |
| TOTAL CONSTRUCTION MANAGEMENT MAN-HOURS | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.10 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.80 | 0.00 | 5.90 | |
| TOTAL CONSTRUCTION MANAGEMENT COST | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 218.85 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 481.87 | \$ - | \$ 700.72 |
| C. CONSTRUCTION SITE REPRESENTATION | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Substantial Completion Inspection | | | | | | | | | | | | | | | | | | | | \$ - | |
| | a. Initial | 1 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | b. Follow up | 1 | EACH | | | | | | | | | | | | | | | | | | \$ - | |
| | Prepare & Issue Certificate of Substantial Completion | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | Reconcile Contractor's Final Monthly Pay Request | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| RESIDENT ENGINEER | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Weekly Site Visits (Included with Wkly Constr. Mtgs) | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | Conduct Wkly Constr. Mtgs w/ Contractor (2 Hrs per Wk for 14 Wks) | 0 | EACH | | | | | | | | | | | | | | | | | | \$ - | |
| RESIDENT SITE REPRESENTATIVE | | | | | | | | | | | | | | | | | | | | | | |
| | Daily Site Representation (104 Wks - 6 Non-Work Wks = 98 Wks at 5 Days per | 0 | EACH | | | | | | | | | | | | | | | | | | \$ - | |
| | Prepare Daily Reports (104 Wks - 6 Non-Work Wks = 98 Wks at 5 Days per Wk | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | Attend Weekly Meetings with Contractor (2 Hours per Week For 14 Weeks) | 14 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| TOTAL CONSTRUCTION SITE REPRESENTATION MAN-HOURS | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| TOTAL CONSTRUCTION SITE REPRESENTATION COST | | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - |

EXHIBIT "D"
LISTING OF WORK TASKS, MANHOURS & FEES

Dannenbaum Engineering Company - McAllen, LLC
 Dannenbaum Project Number: 0048-01
 Client Name: City of La Villa, Texas
 Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014
 Prepared by: RDS
 Reviewed by: GR
 Checked by: LHJ
 (Revised August 6, 2014)

| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOUR ESTIMATE | | TOTAL MANHOURS PER TASK BY CLASSIFICATION | | | | | | | | | | | | | | | | | TOTAL MH'S PER TASK | TOTAL FEE PER TASK | | | |
|---------------|--|---------------------------|------|---|------------|-------------|------------------------------|----------|--------------|----------------------------|----------------------------|-----------------------------|---------------------|---------------------|----------------------|--------------------|-------------|----------|------------|-------------------|---------------------|--------------------|-------------|--------------|-----------|
| | | | | PRINCIPAL | QA OFFICER | PROJECT MGR | DOCUMENT CONTROL / SCHEDULER | CLERICAL | PROJECT ENGR | SENIOR DESIGN ENGR (Civil) | SENIOR DESIGN ENGR (Stru.) | SENIOR DESIGN ENGR (Elect.) | DESIGN ENGR (Civil) | DESIGN ENGR (Stru.) | DESIGN ENGR (Elect.) | SENIOR DESIGN TECH | DESIGN TECH | CAD OPER | CONSTR MGR | RESIDENT SITE REP | | | | | |
| | | | | QNTY | UNIT | 380.40 | 278.99 | 232.51 | 70.05 | 55.80 | 187.25 | 196.47 | 198.95 | 201.18 | 131.90 | 133.38 | 135.93 | 119.36 | 100.76 | 92.79 | | | 100.39 | 93.79 | |
| | D. PROJECT CLOSE-OUT | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1. AS BUILT SURVEYS: | 0 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | <i>(Horiz and Verticle Dim's of Rdwys, Pkg lots, Curbs & gutters; tops and</i> | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2. RECORD DRAWINGS | | | | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE RECORD DRAWINGS | | | | | | | | | | | | | | | | | | | | | | | | |
| | INCORPORATE CONTRACTOR' RED LINE DRAWINGS | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 2.00 | \$ 200.78 | |
| | INCORPORATE AS-BUILT SURVEYS DATA | 1 | L.S. | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 0.00 | 2.00 | \$ 200.78 | |
| | PLOT / COPY RECORD DOCUMENTS | 48 | SHTS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.40 | 0.00 | 2.40 | \$ 240.94 | |
| | ASSEMBLE O & M DOCUMENTS | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | ASSEMBLE WARRANTY DOCUMENTS | 0 | EACH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | \$ - | |
| | TOTAL PROJECT CLOSE-OUT MAN-HOURS | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.40 | 0.00 | 6.40 | | |
| | TOTAL PROJECT CLOSE-OUT COST | | | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 642.50 | \$ - | \$ 642.50 | \$ 642.50 |
| | TOTAL COST - CONSTRUCTION PHASE | | | | | | | | | | | | | | | | | | | | | | | | |
| | TOTAL HOURS - CONSTRUCTION PHASE SERVICES | | | 0.00 | 0.00 | 1.25 | 0.00 | 0.00 | 1.25 | 0.00 | 4.85 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.20 | 0.00 | 18.55 | | |
| | TOTAL COST - CONSTRUCTION PHASE SERVICES | | | \$ - | \$ - | \$ 290.64 | \$ - | \$ - | \$ 234.06 | \$ - | \$ 964.91 | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ - | \$ 1,124.37 | \$ - | \$ 2,613.98 | \$ 2,613.98 | |
| | % OF TOTAL HOURS PER CLASSIFICATION | | | 0.00% | 0.00% | 6.74% | 0.00% | 0.00% | 6.74% | 0.00% | 26.15% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 0.00% | 60.38% | 0.00% | 100.00% | | |
| | TOTAL DESIGN / BID / CONSTRUCTION COST | | | | | | | | | | | | | | | | | | | | | | | \$ 56,197.10 | |

EXHIBIT E

OTHER DIRECT COSTS (ODC)

Dannenbaum Engineering Company - McAllen, LLC
 Dannenbaum Project Number: 0048-01
 Client Name: City of La Villa, Texas
 Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014 (Revised August 6, 2014)
 Prepared by: RDS
 Reviewed by: GR
 Checked by: LHJ

| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOUR ESTIMATE | | PLOTS PER SETS | | | TOTAL NUMBER OF UNITS | UNIT COST | TOTAL COST | COPIES PER SET | | | NUMBER OF SET | TOTAL NUMBER OF UNITS | UNIT COST | TOTAL COST | COST FOR BINDING OF PRINTED DOCUMENTS | | | CD COMPUTER DISKS | | | OVER NIGHT CARRIER | | | TOTAL COST | |
|--|--|---------------------------|------|---------------------------|---------------------------|-----------------------------|-----------------------|-----------|------------|----------------------------|----------------------------|------------------------------|---------------|-----------------------|-----------|------------|---------------------------------------|----------------------|-----------|-------------------|------|-----------|-------------------------------------|------|-----------|------------|------------|
| | | QNTY | UNIT | 11 X 17 B & W PAPER PLOTS | 22 X 34 B & W PAPER PLOTS | 8.5 X 11 B & W PAPER COPIES | | | | 11 X 17 B & W PAPER COPIES | 22 X 34 B & W PAPER COPIES | PAPER SIZE 8.5 X 11 (# SETS) | | | | | PAPER SIZE 11 X 17 (# SETS) | NO. OF PAGES PER SET | UNIT COST | TOTAL COST | QNTY | UNIT COST | TOTAL COST | QNTY | UNIT COST | | TOTAL COST |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESIGN PHASE SERVICES TASKS | | | | | | | | | | | | | | | | | | | | | | | BINDING INCLUDES ALL LABOR & MAT'LS | | | | |
| DESIGN PHASE BASIC SERVICES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT ADMINISTRATION | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Negotiate / Review / Sign Client's Contract | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare / Negotiate Subcontractor Contracts | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Issue Written Notice to Proceed to Subcontractors | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare and Submit Monthly Invoice (4 Mos Work Schedule) | 4 | MOS | | | | | | | | | | | | | | | | | | | | | | | | |
| | Quality Assurance Review (QA) | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | |
| PROJECT MANAGEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Attend "Kick-Off" Meeting with Stakeholders (i.e. Urban Co., City of La Villa) | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Assemble and Review Existing Data | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Site Reconnaissance | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare and Submit Project Work Schedule | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare & Submit Monthly Proj. Work Schedule Update (4 Mos Work Schedule) | 3 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare and Submit Monthly Progress Reports (4 Mos Work Schedule) | 3 | MOS | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wkly Coordinate Mtgs w/ Project Team (4 Mos = 52 x 4/12 wks - 1 wk) | 16 | WKS | | | | | | | | | | | | | | | | | | | | | | | | |
| PRILIMINARY DESIGN PHASE SERVICES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MEETINGS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Coordinate Meetings w/ Urban County | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Coordinate Meetings w/ City of La Villa | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Discussions / Meetings w/ Stakeholders / City Council | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| | Comment Review Meeting w/ Plan Reviewer | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Title Sheet | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Drawing Index Sheet | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Symbols & Abbreviations | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | General Construction Notes | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Tabulation of Quantities Sheet | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| SITE LAYOUT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Horizontal & Vertical (BMS) Control Sheet | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Grading Plan | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Grading Details | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Conduct Grading Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | |
| | Storm Water Drainage Plan | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Storm Water Drainage Details | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Conduct Drainage Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | |
| HEADWORKS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Headworks Structure Design and Detailing | 2 | SHTS | 2 | | 1 | 2 | \$ 1.50 | \$ 3.00 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Headworks Piping Design and Detailing | 2 | SHTS | 2 | | 1 | 2 | \$ 1.50 | \$ 3.00 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | |
| CLARIFIERS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Instalation Drawings & Details | 2 | SHTS | 2 | | 1 | 2 | \$ 1.50 | \$ 3.00 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | |
| DEWATERING STATION | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Roll-Off Pad Structure | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Roll-Off Pad Structure Design and Detailing | 2 | SHTS | 2 | | 1 | 2 | \$ 1.50 | \$ 3.00 | | 2 | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | |

EXHIBIT E

OTHER DIRECT COSTS (ODC)

Dannenbaum Engineering Company - McAllen, LLC
 Dannenbaum Project Number: 0048-01
 Client Name: City of La Villa, Texas
 Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014 (Revised August 6, 2014)
 Prepared by: RDS
 Reviewed by: GR
 Checked by: LHJ

| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOUR ESTIMATE | | PLOTS PER SETS | | NUMBER OF SET | TOTAL NUMBER OF UNITS | UNIT COST | TOTAL COST | COPIES PER SET | | | NUMBER OF SET | TOTAL NUMBER OF UNITS | UNIT COST | TOTAL COST | COST FOR BINDING OF PRINTED DOCUMENTS | | | CD COMPUTER DISKS | | | OVER NIGHT CARRIER | | | TOTAL COST | | |
|---------------|---|---------------------------|------|---------------------------|---------------------------|---------------|-----------------------|-----------|------------|-----------------------------|----------------------------|----------------------------|---------------|-----------------------|-----------|------------|---------------------------------------|-----------------------------|----------------------|-------------------|------------|---------|--------------------|------------|------|------------|-----------|------------|
| | | QNTY | UNIT | 11 X 17 B & W PAPER PLOTS | 22 X 34 B & W PAPER PLOTS | | | | | 8.5 X 11 B & W PAPER COPIES | 11 X 17 B & W PAPER COPIES | 22 X 34 B & W PAPER COPIES | | | | | PAPER SIZE 8.5 X 11 (# SETS) | PAPER SIZE 11 X 17 (# SETS) | NO. OF PAGES PER SET | UNIT COST | TOTAL COST | QNTY | UNIT COST | TOTAL COST | QNTY | | UNIT COST | TOTAL COST |
| | | | | \$1.50 | \$6.00 | | | | | \$0.12 | \$0.15 | \$0.32 | | | | | \$25.00 | \$35.00 | | | | \$25.00 | | | | | \$30.00 | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Polymer Tanks & Appurtenances | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Polymer Tanks & Appurtenances Drawings / Details | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 3 | 6 | \$ 0.15 | \$ 0.90 | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ROLL-OFF TANKS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FINAL ENGINEERING REPORT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare Draft Report (Incl'd Engr, Det'ls, Description) | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare Final Report (Incl'd Engr, Det'ls, Description) | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TOTAL COST - PRELIMINARY DESIGN PHASE SERVICES | | | | | | | \$28.50 | | | | | | \$13.50 | | | | \$ - | | | \$ - | | | \$ - | \$ - | \$ 42.00 | | |
| | FINAL DESIGN PHASE SERVICES | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MEETINGS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Coordinate Meetings w/ Urban County | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Coordinate Meetings w/ City of La Villa | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Discussions / Meetings w/ Stakeholders | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Comment Review Meeting w/ Plan Reviewer | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | GENERAL | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Title Sheet | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Drawing Index Sheet | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Symbols & Abbreviations | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | General Construction Notes | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Prepare Tabulation of Quantities | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | SITE LAYOUT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Horizontal & Vertical (BMS) Control Sheet | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Grading Plan | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Grading Details | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Conduct Grading Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Storm Water Drainage Plan | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Storm Water Drainage Details | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Conduct Drainage Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HEADWORKS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Structure Design and Detailing | 2 | SHTS | 2 | | 1 | 2 | \$ 1.50 | \$ 3.00 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Piping Design and Detailing | 2 | SHTS | 2 | | 1 | 2 | \$ 1.50 | \$ 3.00 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Electrical Power & Control Details | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CLARIFIERS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Installation Details | 2 | SHTS | 2 | | 1 | 2 | \$ 1.50 | \$ 3.00 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Electrical Power & Control Details | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | DEWATERING STATION | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Roll-Off Pad Structure | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Structure Design and Detailing | 2 | SHTS | 2 | | 1 | 2 | \$ 1.50 | \$ 3.00 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Electrical Power & Lighting Details | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Quantity Take-off & Calculation | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Polymer Tanks & Appurtenances | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Polymer Tanks & Appurtenances Drawings / Details | 1 | SHTS | 1 | | 1 | 1 | \$ 1.50 | \$ 1.50 | | 2 | | 6 | 12 | \$ 0.15 | \$ 1.80 | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ROLL-OFF TANKS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Assemble / Prepare Construction Specifications | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |

EXHIBIT E

OTHER DIRECT COSTS (ODC)

Dannenbaum Engineering Company - McAllen, LLC
 Dannenbaum Project Number: 0048-01
 Client Name: City of La Villa, Texas
 Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014 (Revised August 6, 2014)
 Prepared by: RDS
 Reviewed by: GR
 Checked by: LHJ

| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOUR ESTIMATE | | PLOTS PER SETS | | NUMBER OF SET | TOTAL NUMBER OF UNITS | UNIT COST | TOTAL COST | COPIES PER SET | | | NUMBER OF SET | TOTAL NUMBER OF UNITS | UNIT COST | TOTAL COST | COST FOR BINDING OF PRINTED DOCUMENTS | | | CD COMPUTER DISKS | | | OVER NIGHT CARRIER | | | TOTAL COST | | |
|--|--|---------------------------|------|---------------------------|---------------------------|---------------|-----------------------|-----------|------------|-----------------------------|----------------------------|----------------------------|---------------|-----------------------|-----------|------------|---------------------------------------|-----------------------------|----------------------|-------------------|------------|------|--------------------|------------|------|------------|-----------|------------|
| | | QNTY | UNIT | 11 X 17 B & W PAPER PLOTS | 22 X 34 B & W PAPER PLOTS | | | | | 8.5 X 11 B & W PAPER COPIES | 11 X 17 B & W PAPER COPIES | 22 X 34 B & W PAPER COPIES | | | | | PAPER SIZE 8.5 X 11 (# SETS) | PAPER SIZE 11 X 17 (# SETS) | NO. OF PAGES PER SET | UNIT COST | TOTAL COST | QNTY | UNIT COST | TOTAL COST | QNTY | | UNIT COST | TOTAL COST |
| | | | | \$1.50 | \$6.00 | | | | | \$0.12 | \$0.15 | \$0.32 | | | | | \$25.00 | \$35.00 | | | | | | | | | | |
| CONSTRUCTION PHASE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONSTRUCTION PHASE SERVICES | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| A. PROJECT ADMINISTRATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE & SUBMIT ENGINEER'S MONTHLY INVOICES | 5 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE & SUBMIT ENGINEER'S MONTHLY PROGRESS REPORTS | 5 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PROCESSING AND DISTRIBUTION OF WORK CHG DIRECTIVES | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PROCESSING AND DISTRIBUTION OF CHG ORDER DOCUMENTS | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PROCESSING AND DISTRIBUTE REVISED CONSTRUCTION PLANS | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PROCESSING AND DISTRIBUTE REVISED PROJECT SPECIFICATIONS | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PROCESS CONTRACT'S MONTHLY PAY REQUESTS | 3 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PROCESS CONTRACT'S FINAL PAY REQUEST | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | DOCUMENT CONTROL AND REPRODUCTION | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE / PROCESS MODIFICATIONS / SUPPLEMENTALS TO THE CONSTRUCTION CONTRACT | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| B. CONSTRUCTION MANAGEMENT | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ASSIST THE PARTY IN OPENING AND TABULATION OF BIDS | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE PROJECT MANUAL (Formal Contract Documents for the Contractor) | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | a. Prepare "Issue for Construction (IFC) Construction Drawings | 48 | SHTS | | | | | | | | | | | | | | | 10.00 | 48 | 35.00 | 350.00 | | | | | | | |
| | b. Prepare "Issue for Construction (IFC) Project Specifications | 12 | EACH | | | | | | | | | | | | | | | 10.00 | 60 | 25.00 | 250.00 | | | | | | | |
| | c. Prepare "Issue for Construction (IFC) Construction Specifications | 10 | EACH | | | | | | | | | | | | | | | 10.00 | 50 | 25.00 | 250.00 | | | | | | | |
| | d. Coordinate Reproduction & Assemble of Project Documents | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PRE-CONSTRUCTION CONFERENCE & SITE RECONNAISSANCE | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CONDUCT PERIODIC SITE VISITS (Average of 2 per mo. for 6 mos) | 12 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | REVIEW & APPROVAL OF SUBMITTAL DOCUMENTS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | a. Initial Submittal | 4 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | b. 1st Resubmittal (Assuming 35% Resubmittals) | 2 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | c. 2nd Resubmittal (Assuming 15% Resubmittals) | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | REVIEW & APPROVAL OF SHOP DRAWINGS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | a. Initial Submittal | 2 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | b. 1st Resubmittal (Assuming 35% Resubmittals) | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | c. 2nd Resubmittal (Assuming 15% Resubmittals) | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | REVIEW & RESPOND TO REQUESTS FOR INFORMATION (RFIS) | 6 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | REVIEW OF MATERIALS TEST REPORTS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Density Reports (Asphalt, base, subgrade) | 6 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Aggregate Gradation Reports | 2 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Concrete Cylinder Reports (2-7 day & 2-28 day per slab area / inlet / curb) | 6 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | REVIEW AND APPROVE CONTRACTOR'S MONTHLY PAY REQUESTS | 3 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE AND NEGOTIATE CHANGE ORDERS | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE & ISSUE REVISED CONSTRUCTION PLANS & SPECIFICATIONS | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| C. CONSTRUCTION SITE REPRESENTATION | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GENERAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Substantial Completion Inspection | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | a. Initial | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | b. Follow up | 1 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare & Issue Certificate of Substantial Completion | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Reconcile Contractor's Final Monthly Pay Request | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESIDENT ENGINEER | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Weekly Site Visits (Included with Wkly Constr. Mtgs) | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Conduct Wkly Constr. Mtgs w/ Contractor (2 Hrs per Wk for 14 Wks) | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| RESIDENT SITE REPRESENTATIVE | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Daily Site Representation (104 Wks - 6 Non-Work Wks = 98 Wks at 5 Days per Wk) | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Prepare Daily Reports (104 Wks - 6 Non-Work Wks = 98 Wks at 5 Days per Wk) | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Attend Weekly Meetings with Contractor (2 Hours per Week For 14 Weeks) | 14 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |

EXHIBIT E

OTHER DIRECT COSTS (ODC)

Dannenbaum Engineering Company - McAllen, LLC
 Dannenbaum Project Number: 0048-01
 Client Name: City of La Villa, Texas
 Project Name: Existing WWTP Improvements (Urban County Project)

Prepared: 7/31/2014 (Revised August 6, 2014)
 Prepared by: RDS
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| DEC TASK CODE | DESCRIPTION OF WORK TASK | BASIS OF MANHOUR ESTIMATE | | PLOTS PER SETS | | NUMBER OF SET | TOTAL NUMBER OF UNITS | UNIT COST | TOTAL COST | COPIES PER SET | | | NUMBER OF SET | TOTAL NUMBER OF UNITS | UNIT COST | TOTAL COST | COST FOR BINDING OF PRINTED DOCUMENTS | | | CD COMPUTER DISKS | | | OVER NIGHT CARRIER | | | TOTAL COST | | |
|---------------|---|---------------------------|------|---------------------------|---------------------------|---------------|-----------------------|-----------|------------|-----------------------------|----------------------------|----------------------------|---------------|-----------------------|-----------|------------|---------------------------------------|-----------------------------|----------------------|-------------------|------------|------|--------------------|-------------|------------|------------|-----------|------------|
| | | | | 11 X 17 B & W PAPER PLOTS | 22 X 34 B & W PAPER PLOTS | | | | | 8.5 X 11 B & W PAPER COPIES | 11 X 17 B & W PAPER COPIES | 22 X 34 B & W PAPER COPIES | | | | | PAPER SIZE 8.5 X 11 (# SETS) | PAPER SIZE 11 X 17 (# SETS) | NO. OF PAGES PER SET | UNIT COST | TOTAL COST | QNTY | UNIT COST | TOTAL COST | QNTY | | UNIT COST | TOTAL COST |
| | | | | QNTY | UNIT | | | | | \$1.50 | \$6.00 | \$0.12 | | | | | \$0.15 | \$0.32 | \$25.00 | \$35.00 | | | | \$25.00 | | | | |
| | D. PROJECT CLOSE-OUT | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1. AS BUILT SURVEYS: <i>(Horiz and Verticle Dim's of Rdwys, Pkg lots, Curbs & gutters; tops and flowlines of manholes and inlets; stm swr pipe sizes and flowlines; etc.) (BY OTHERS)</i> | 0 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2. RECORD DRAWINGS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PREPARE RECORD DRAWINGS | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | INCORPORATE CONTRACTOR RED LINE DRAWINGS | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | INCORPORATE AS-BUILT SURVEYS DATA | 1 | L.S. | | | | | | | | | | | | | | | | | | | | | | | | | |
| | PLOT RECORD DRAWINGS | 48 | SHTS | 48 | | 1 | 48 | \$ 1.50 | \$72.00 | | 48 | 2 | 96 | \$ 0.15 | \$ 14.40 | | 3.00 | 48 | 35.00 | 105.00 | | | | | | | | |
| | ASSEMBLE O & M DOCUMENTS | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ASSEMBLE WARRANTY DOCUMENTS | 0 | EACH | | | | | | | | | | | | | | | | | | | | | | | | | |
| | TOTAL COST - CONSTRUCTION PHASE | | | | | | | | \$72.00 | | | | | | \$14.40 | | | | \$955.00 | | \$0.00 | | | \$0.00 | \$1,041.40 | | | |
| | TOTAL DESIGN BID CONSTRUCTION COST | | | | | | | | ##### | | | | | \$63.90 | | | | \$955.00 | | \$50.00 | | | \$90.00 | \$ 1,302.90 | | | | |

EXHIBIT G
TERRACON
GEOTECHNICAL FEE ESTIMATE

Engineer:

Dannenbaum Engineering Company - McAllen, LLC

Prepared by: JV

Client:

Urban County Program

Reviewed by: RDS

Checked by: NO

Project Number :

Unkown at this time

Date Prepared: 7/31/2014

Revised 08/06/2014

Project Name :

City of La Villa, Existing WWT Plant Improvements

***** SEE ATTACHED PROPOSAL DATED JUNE 11, 2014 *****



June 11, 2014

Dannenbaum Engineering Company - McAllen, LLC
1109 Nolana Loop, Suite 208
McAllen, Texas 78504

Attn: Mr. Richard Seitz, P.E.
Sr. Project Manager
P: (956) 682-3677
M: (713) 203-6653
E: richard.seitz@dannenbaum.com

Re: Proposal for Geotechnical Engineering Services
Wastewater Treatment Plant Improvements
Mile 17 N. Road
La Villa, Texas
Terracon Proposal No. P88140222

Dear Mr. Seitz:

Terracon Consultants, Inc. (Terracon) appreciates the opportunity to submit this proposal to provide geotechnical engineering services for the above referenced project. The purpose of this study will be to evaluate the pertinent geotechnical conditions at the site and to develop geotechnical parameters, which will assist in the design and construction of a improvements to the existing Wastewater treatment Plant (WWTP) in La Villa, Texas. This proposal outlines our understanding of the project and scope of services, and provides a lump sum fee for our services. We understand that we have been chosen to provide these services for this publicly funded project. Therefore, by providing cost information we are not in violation of the Texas Professional Services Procurement Act.

A. PROJECT INFORMATION

Site Location

| ITEM | DESCRIPTION |
|-----------------------|---|
| Location | The site is located on the on the north side of Mile 17 N. Road in La Villa, Texas. |
| Existing improvements | Typical wastewater plant structures. |
| Current ground cover | Native grasses and soils (partial). We understand that existing WWTP structures are partially occupying the site. |
| Existing topography | The site appears flat and level (assumed). |



Terracon Consultants, Inc. 1506 Mid Cities Drive Pharr, Texas 78577
P [956] 283 8254 F [956] 283 8279 terracon.com



Project Description

| ITEM | DESCRIPTION |
|--------------------------|--|
| Structures | The project will include the construction of new slabs for new improvements to the WWTP. |
| Finished floor elevation | Proposed Finished Floor Elevation (unknown). |

Should any of the above information or assumptions be inconsistent with the planned construction, please let us know so that we may make any necessary modifications to this proposal.

B. SCOPE OF SERVICES

The services to be provided by Terracon are summarized in the following paragraphs.

Field Program – As requested, based on the proposed structure and our familiarity with soil conditions at this site, we propose to perform the following exploration for this project:

| Structures | Number of Borings | Approximate Depth of Borings, feet |
|------------|-------------------|------------------------------------|
| New Slabs | 2 | 15 |

Sampling will be in general accordance with industry standard procedures wherein Shelby tube samples or split-barrel samples are obtained. Five samples will be obtained in the upper ten feet of each of the deep borings and at intervals of five feet there after. In addition we will observe and record groundwater levels during and after drilling. Once the samples have been collected and classified in the field, they will be placed in appropriate sample containers for transport to our laboratory.

Conditions/Items to be provided by Client: We have been provided with a scaled drawing that depicts the tentative layout of the proposed development. The locations of the borings will be established using this tentative project layout by our field personnel upon arrival at the site. The boring layout will be approximate. Our field personnel will locate the borings by measuring distances and estimating right angles from available reference points on or adjacent to the site.

Additional items to be provided by the client include the right of entry to conduct the exploration and an awareness and/or location of any private subsurface utilities existing in the area. We will contact Texas One Call service for location of utilities in public easements. Location of private lines on the property is not part of the Texas One Call or Terracon scope. All private lines should be marked by others prior to commencement of drilling.

Terracon will take reasonable efforts to reduce damage to the property, such as rutting of the ground surface. However, it should also be understood that in the normal course of our work some such disturbance could occur. We have not budgeted to restore the site beyond backfilling our boreholes. If there are any restrictions or special requirements regarding this site or exploration, these should be known prior to commencing field work.

Our fee is based on the site being accessible to our truck-mounted drilling equipment and Terracon providing layout of the borings; additional costs may result if this is not the case. It does not include services associated with site clearing or location of underground utilities beyond contacting a "one-call" locate service. If such conditions are known to exist on the site, Terracon should be notified so that we may adjust our scope of services and fee, if necessary. We understand that the client will obtain permits required to access boring locations, if needed.

For safety purposes, all borings will be backfilled immediately after their completion. Excess auger cuttings would be disposed of on the site. Because backfill material often settles below the surface after a period of time, we recommend the boreholes be checked periodically and backfilled if necessary. We could provide this service at your request or grout the holes, but this would involve additional cost.

Laboratory Testing – The samples will be tested in our laboratory to determine physical engineering characteristics. Testing will be performed under the direction of a geotechnical engineer and will include visual classification, moisture content, dry density, Atterberg limits, and strength tests (unconfined compression/calibrated penetrometer), as appropriate.

Engineering Analysis and Report – The results of our field and laboratory programs will be evaluated by a professional geotechnical engineer licensed in the State of Texas. Based on the results of our evaluation, an engineering report will be prepared that details the results of the testing performed, provides logs of the borings, and a diagram of the site/boring layout. The report will include the following:

- Computer generated boring logs with soil stratification based on visual soil classification;
- Summarized laboratory data;
- Groundwater levels observed during and after completion drilling;
- Boring location plan;
- Subsurface exploration procedures;
- Encountered soils conditions;
- Parameters for foundation design;
- Estimated settlement of foundations; and
- Subgrade preparation/ earthwork recommendations.

Schedule - We can generally begin the field exploration program within five days after receipt of notice to proceed, if site and weather conditions permit. We estimate the final geotechnical report can be completed within about three to four weeks after the soil borings are completed. In situations where information is needed prior to submittal of our report, we can provide verbal

information or recommendations for specific project requirements after we have completed our field and laboratory programs.

C. COMPENSATION

For the scope of geotechnical services outlined in this proposal that includes drilling, laboratory testing, and engineering report, the lump sum total fee would be **\$2,950**. Unless instructed otherwise, the invoice will be sent to your attention at the above address.

Should it be necessary to expand our services beyond those outlined in this proposal, we will notify you, then send a supplemental proposal stating the additional services and fee. We will not proceed without your authorization, as evidenced by your signature on the Supplement Agreement form.

AUTHORIZATION

This proposal may be accepted by executing the attached Agreement for Services and returning a copy to Terracon. Project initiation may be expedited by emailing or faxing a copy of the signed Agreement for Services to 956-283-8279. Unless requested otherwise, a hard copy of this proposal will not be mailed to you.

The terms, conditions and limitations stated in the Agreement for Services (and sections of this proposal incorporated therein), shall constitute the exclusive terms and conditions and services to be performed for this project. This proposal is valid only if authorized within 90 days from the proposal date.

We appreciate the opportunity to provide this proposal and look forward to the opportunity of working with you. If you have any questions regarding this proposal, please feel free to contact us.

Sincerely,
Terracon Consultants Inc.



Stephanie Rendon, MBA
Client Development Specialist



Alfonso A. Soto, P.E.
Principal

SMR/AAS/ms – P88140222

Attachments: Agreement for Services
Distribution Sheet



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
8/11/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

| | | |
|---|------------------------------------|-----------------------------|
| PRODUCER Arthur J. Gallagher Risk Management Services, Inc. 8511 South Sam Houston Pkwy. East Houston TX 77075 | CONTACT NAME: | |
| | PHONE (A/G, No, Ext): 713-209-2800 | FAX (A/G, No): 713-209-2899 |
| E-MAIL ADDRESS: | | |
| INSURER(S) AFFORDING COVERAGE | | NAIC # |
| INSURER A: Continental Casualty | | 20443 |
| INSURER B: Valley Forge Insurance Co | | 20508 |
| INSURER C: Continental Insurance Co. | | 35289 |
| INSURER D: Transportation Ins. Co. | | 20494 |
| INSURER E: | | |
| INSURER F: | | |

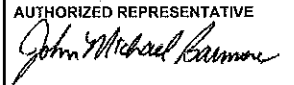
COVERAGES CERTIFICATE NUMBER: 1026283648 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

| INSR LTR | TYPE OF INSURANCE | ADDL INSR | SUBR WVD | POLICY NUMBER | POLICY EFF (MM/DD/YYYY) | POLICY EXP (MM/DD/YYYY) | LIMITS |
|----------|---|-----------|------------|---------------|-------------------------|-------------------------|---|
| C | GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> Cont Liab Incl GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC | | | 2053853648 | 6/1/2014 | 6/1/2015 | EACH OCCURRENCE \$1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$700,000 MED EXP (Any one person) \$5,000 PERSONAL & ADV INJURY \$1,000,000 GENERAL AGGREGATE \$2,000,000 PRODUCTS - COMP/OP AGG \$ |
| B | AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS | | | 1015348305 | 6/1/2014 | 6/1/2015 | COMBINED SINGLE LIMIT (Ea accident) \$1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ |
| A | UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$ | | | 2053853049 | 6/1/2014 | 6/1/2015 | EACH OCCURRENCE \$10,000,000 AGGREGATE \$10,000,000 \$ |
| D | WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below | | Y/N N/A | 1022022126 | 6/1/2014 | 6/1/2015 | <input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$1,000,000 E.L. DISEASE - EA EMPLOYEE \$1,000,000 E.L. DISEASE - POLICY LIMIT \$1,000,000 |
| A | Professional Liability Claims Made RET Date 4/1/03 | | | AEH254055021 | 4/1/2014 | 4/1/2015 | Per Claim 5,000,000 Aggregate 5,000,000 |

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)
DEC Project No. 0048-01

See Attached...

| | |
|---|---|
| CERTIFICATE HOLDER Hidalgo County Urban County Program 427 E. Duranta, Suite 107 Alamo TX 78516 | CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. |
| | AUTHORIZED REPRESENTATIVE  |



ADDITIONAL REMARKS SCHEDULE

| | | | |
|--|-----------|--|--|
| AGENCY Arthur J. Gallagher Risk Management Services, Inc. | | NAMED INSURED Dannenbaum Engineering Corp., ETAL | |
| POLICY NUMBER | | P O Box 22292 Houston TX 77027 | |
| CARRIER | NAIC CODE | EFFECTIVE DATE: | |

ADDITIONAL REMARKS

**THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,
FORM NUMBER: 25 FORM TITLE: CERTIFICATE OF LIABILITY INSURANCE**

The General Liability and Auto policy includes a Blanket additional insured endorsement that provides additional insured status only when there is a written contract between the named insured and the certificate holder that requires such status.

The General Liability, Auto and Workers' Compensation policy includes a Blanket waiver of subrogation endorsement that provides this feature only when there is a written contract between the named insured and the certificate holder that requires such status.

The General Liability is primary and non-contributory to other insurance when required by written contract.

Workers Compensation includes coverage for executive officers.

The umbrella liability coverage is follow form as respects the additional insured and waiver of subrogation provisions of the underlying policies.

30-Day Notice of Cancellation is provided per the policy terms and conditions.

FULL NAMED INSURED: Dannenbaum Engineering Corporation; Office Properties, Inc., Civil Engineering Corporation, A Dannenbaum Engineering Company; Dannenbaum Engineering Corp/Klotz Associates, Inc., A Joint Venture; Dannenbaum Environmental Corporation; Engineering Holding Corporation; Dannenbaum Engineering Company-Houston, LLC; Dannenbaum Engineering Company-Austin, LLC; Dannenbaum Engineering Company-Dallas, LLC; Dannenbaum Engineering Company-Fort Worth, LLC; Dannenbaum Engineering Company-McAllen, LLC; Dannenbaum Engineering Company-Laredo, LLC; Grand Parkway Consultants, LLC; Dannenbaum/Gerwick Joint Venture; Dannenbaum, Dodson & ECS, Joint Venture; Dannenbaum Engineering Company-EI Paso, LLC; Dannenbaum, Dodson and Terra Nova JV, Dannenbaum, WP Moore and Terra Nova JV, and Munoz & Dannenbaum JV.