

AGREEMENT FOR ENGINEERING & DESIGN SERVICES
for
Design Services for Drainage Projects in Deer Park

This Agreement is made and entered into in Deer Park, Harris County, Texas on the 18th_ day of June, 2019; by and between

The City of Deer Park, a Municipal Corporation in the State of Texas

And

Cobb, Fendley & Associates, Inc. (CobbFendley) ENGINEER(s) duly licensed, and practicing under the laws of the State of Texas.

Said Agreement being executed by the City pursuant to the City Charter, Ordinances, and Resolutions of the City Council, and by the Engineer for engineering services hereinafter set forth in connection with the above-designated Project for the City of Deer Park.

DEER PARK retains CobbFendley to perform engineering analysis services related to drainage projects in Deer Park on a task order basis, in return for consideration to be paid by DEER PARK under terms and conditions set forth below.

ARTICLE 1. SCOPE OF WORK

- 1.1 ENGINEER will provide engineering, design, consultation, project management, and other services as required to perform and complete the Scope of Work & Services specifically identified in Exhibit A of this Agreement. The Services Scope of Work (the “Work”) and the time schedules set forth in Exhibit A are based on information provided by DEER PARK and ENGINEER. The schedule of milestones and deliverables are essential terms of this Agreement.
- 1.2 If this information is incomplete or inaccurate, or if site conditions are encountered which materially vary from those indicated by DEER PARK, or if DEER PARK directs ENGINEER to change the original Scope of Work shown in Attachment A, a written amendment equitably adjusting the costs, performance time and/or terms and conditions, shall be executed by DEER PARK and ENGINEER.

ARTICLE 2. COMPENSATION

- 2.1 ENGINEER bills for its services on a time and materials basis using the Schedule of Rates and Terms entitled Estimated Level of Effort (“Schedule of Rates”) attached as Exhibit A of this Agreement. As requested, ENGINEER has provided an estimate of the fees for the Work amounting to Task 1, Task 2, Task 4, Task 5 and Task 8 detailed in the Scope of Services dated June 4, 2019. ENGINEER will not exceed that estimate without prior approval from DEER PARK. ENGINEER will notify DEER PARK, for approval, of any proposed revisions to the Schedule of Rates and effective date thereof which shall not be less than thirty (30) days after such notice.
- 2.2 ENGINEER will submit monthly invoices for Services rendered, and DEER PARK will make payment within thirty (30) days of receipt of ENGINEER’S invoices. If DEER PARK objects to all or any portion of an invoice, it will notify ENGINEER of the same within fifteen (15) days from the date of receipt of the invoice and will pay that portion of the invoice not in dispute, and the parties shall immediately make every effort to settle the disputed portion of the invoice. Prices or rates quoted do not include state or local taxes.

ARTICLE 3. DEER PARK’S RESPONSIBILITIES

- 3.1 DEER PARK will designate in writing the person or persons with authority to act on DEER PARK’S behalf on all matters concerning the work to be performed.
- 3.2 DEER PARK will furnish to ENGINEER all existing studies, reports, data and other information available to DEER PARK necessary for performance of the Work, authorize ENGINEER to obtain additional data as required, and furnish the services of others where necessary for the performance of the Work. ENGINEER will be entitled to use and rely upon all such information and services.
- 3.3 Where necessary to performance of the Work, DEER PARK shall arrange for ENGINEER to have access to any site or property.

ARTICLE 4. PERFORMANCE OF SERVICE

- 4.1 ENGINEER’S services will be performed within the schedule and time period set forth in Schedule A.
- 4.2 ENGINEER shall perform the Work, and any additional services as may be required, for the development of the Project to completion.
- 4.3 If required, additional services will be performed and completed within the time period agreed to in writing by the parties at the time such services are authorized.
- 4.4 If any time period within or date by which any of ENGINEER’S services are to be performed is exceeded for reasons outside of ENGINEER’S reasonable control, all rates, measures and

amounts of compensation and the time for completion of performance shall be subject to equitable adjustment.

ARTICLE 5. CONFIDENTIALITY

- 5.1 ENGINEER will hold confidential all information obtained from DEER PARK, not previously known by ENGINEER or in the public domain.

ARTICLE 6. STANDARD OF CARE & WARRANTY

- 6.1 Standard of Care. In performing services, ENGINEER agrees to exercise professional judgment, made on the basis of the information available to ENGINEER, and to perform its engineering services with the professional skill and care of competent design professionals practicing in the same or similar locale and under the same or similar circumstances and professional license. ENGINEER also agrees to perform its engineering services as expeditiously as is prudent considering this standard of care. This standard of care shall be judged as of the time and place the services are rendered, and not according to later standards.
- 6.2 Warranty. If any failure to meet the foregoing standard of care Warranty appears during one year from the date of completion of the service and ENGINEER is promptly notified thereof in writing, ENGINEER will at its expense re-perform the nonconforming work.
- 6.3 The foregoing Warranty is the sole and express warranty obligation of ENGINEER and is provided in lieu of all other warranties, whether written, oral, implied or statutory, including any warranty of merchantability. Engineer does not warrant any products or services of others. ENGINEER, however, expressly acknowledges that these warranty obligations do not eliminate the applicability of the standard of care to all of its work and that the OWNER may still retain remedies against ENGINEER following the expiration of the warranty period in contract, tort, or otherwise as the law allows.

ARTICLE 7. INSURANCE

- 7.1 ENGINEER will procure and maintain insurance as required by law. At a minimum, ENGINEER will have the following coverage:
- (1) Workers compensation and occupational disease insurance in statutory amounts.
 - (2) Employer's liability insurance in the amount of \$1,000,000.
 - (3) Automobile liability in the amount of \$1,000,000.

(4) Commercial General Liability insurance for bodily injury, death or loss of or damage to property of third persons in the amount of \$1,000,000 per occurrence, \$2,000,000 in the aggregate.

(5) Professional errors and omissions insurance in the amount of \$1,000,000.

7.2 ENGINEER has provided a Statement of Insurance to DEER PARK demonstrating and reflecting that ENGINEER has procured and maintains insurance coverage in accordance with the requirements stated above. That Statement of Insurance is Attachment C of this Agreement.

ARTICLE 8. INDEMNITY

8.1 **THE ENGINEER SHALL INDEMNIFY AND HOLD HARMLESS THE CITY, ITS OFFICERS, OFFICIALS, AGENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, CAUSES OF ACTION, LOSSES, LAWSUITS, JUDGMENTS, FINES, PENALTIES, COSTS, DAMAGES, OR LIABILITY OF ANY CHARACTER, TYPE OR DESCRIPTION INCLUDING WITHOUT LIMITATION, ALL EXPENSES OF LITIGATION, INCLUDING EXPERT OR CONSULTANT FEES, COURT COSTS, AND ATTORNEY'S FEES, RESULTING FROM PERSONAL INJURY (INCLUDING DEATH), PROPERTY DAMAGE OR OTHER HARM, BUT ONLY TO THE EXTENT THAT SUCH PERSONAL INJURY, PROPERTY DAMAGE OR HARM IS CAUSED BY OR RESULTS FROM AN ACT OF NEGLIGENCE, INTENTIONAL TORT, INTELLECTUAL PROPERTY INFRINGEMENT, OR FAILURE TO PAY A SUBCONTRACTOR OR SUPPLIER COMMITTED BY THE ENGINEER OR THE ENGINEER'S AGENT, CONSULTANT UNDER CONTRACT, OR ANOTHER ENTITY OVER WHICH THE ENGINEER EXERCISES CONTROL.**

IF THE CITY DEFENDS AN ACTION, CLAIM, LAWSUIT OR OTHERWISE INCURS ATTORNEY'S FEES AS A RESULT OF AN INDENMIFIED CLAIM AS STATED ABOVE, ENGINEER AGREES TO REIMBURSE THE CITY IN PROPORTION TO THE ENGINEERS LAIBILITY.

8.2 ENGINEER agrees to and shall contractually require its consultants and subcontractors of any tier to assume the same indemnification obligations to Indemnities as stated herein.

ARTICLE 9. OWNERSHIP OF DOCUMENTS

9.1 As long as DEER PARK is current in the payment of all undisputed invoices, all work product prepared by the ENGINEER pursuant to this Agreement, including, but not limited to, all Contract Documents, Plans and Specifications and any computer aided design, shall be the sole and exclusive property of DEER PARK, subject to the ENGINEER's reserved rights.

- 9.2 ENGINEER's technology, including without limitation customary techniques and details, skill, processes, knowledge, and computer software developed or acquired by ENGINEER or its Consultants to prepare and manipulate the data which comprises the instruments of services shall all be and remain the property of the ENGINEER.

ARTICLE 10. INDEPENDENT CONTRACTOR

- 10.1 The ENGINEER is an independent contractor and shall not be regarded as an employee or agent of the DEER PARK.

ARTICLE 11. COMPLIANCE WITH FEDERAL, STATE AND LOCAL LAWS

- 11.1 The ENGINEER shall observe all applicable provisions of the federal, state and local laws and regulations, including those relating to equal opportunity employment.

ARTICLE 12. SAFETY

- 12.1 DEER PARK shall inform the ENGINEER and its employees of any applicable site safety procedures and regulations known to DEER PARK as well as any special safety concerns or dangerous conditions at the site. The ENGINEER and its employees will be obligated to adhere to such procedures and regulations once notice has been given.
- 12.2 ENGINEER shall not have any responsibility for overall job safety at the site. If in ENGINEER's opinion, its field personnel are unable to access required locations or perform required services in conformance with applicable safety standards, ENGINEER may immediately suspend performance until such safety standards can be attained. If within a reasonable time site operations or conditions are not brought into compliance with such safety standards, ENGINEER may in its discretion terminate its performance, in which event, DEER PARK shall pay for services and termination expenses as provided in Article 18.

ARTICLE 13. LITIGATION

- 13.1 At the request of DEER PARK, ENGINEER agrees to provide testimony and other evidence in any litigation, hearings or proceedings to which DEER PARK is or becomes a party in connection with the work performed under this Agreement, unless DEER PARK and the ENGINEER are adverse to one-another in any such litigation.
- 13.2 Any litigation arising out of this Agreement between DEER PARK and ENGINEER shall be heard by the state district courts of Harris County.

ARTICLE 14. NOTICE

- 14.1 All notices to either party by the other shall be deemed to have been sufficiently given when made in writing and delivered in person, by electronic mail, facsimile, certified mail or courier to the address of the respective party or to such other address as such party may designate.

ARTICLE 15. TERMINATION

- 15.1 The performance of work may be terminated or suspended by DEER PARK, for any reason. Such suspension or termination shall be subject to notice of DEER PARK's election to either suspend or terminate the Agreement fifteen (15) days' prior to the effective suspension or termination date. The Notice shall specify the extent to which performance of work is suspended or terminated and the date upon which such action shall become effective. In the event work is terminated or suspended by DEER PARK prior to the completion of services contemplated hereunder, ENGINEER shall be paid for (i) the services rendered to the date of termination or suspension and reasonable services provided to effectuate a professional and timely project termination or suspension.

ARTICLE 16. SEVERABILITY

- 16.1 If any term, covenant, condition or provision of this Agreement is found by a court of competent jurisdiction to be invalid, void or unenforceable, the remainder of this Agreement shall remain in full force and effect, and shall in no way be affected, impaired or invalidated thereby.

ARTICLE 17. WAIVER

- 17.1 Any waiver by either party or any provision or condition of this Agreement shall not be construed or deemed to be a waiver of a subsequent breach of the same provision or condition, unless such waiver is so expressed in writing and signed by the party to be bound.

ARTICLE 18. GOVERNING LAW

- 18.1 This Agreement will be governed by and construed and interpreted in accordance with the laws of the State of Texas.

ARTICLE 19. CAPTIONS

- 19.1 The captions contained herein are intended solely for the convenience of reference and shall not define, limit or affect in any way the provisions, terms and conditions hereof or their interpretation.

ARTICLE 20. ENTIRE AGREEMENT

- 20.1 This Agreement, its articles, provision, terms, and attached Schedules represent the entire understanding and agreement between DEER PARK and ENGINEER and supersede any and all prior agreements, whether written or oral, and may be amended or modified only by a written amendment signed by both parties.

This Agreement is effective on the last day signed.

Cobb, Fendley & Associates, Inc.

By 

Name Dale Conger

Title President

Date June 7, 2019

The City of Deer Park

By _____

Name _____

Title _____

Date _____

AUTHORIZATION FOR PROFESSIONAL SERVICES



Project No.:
Project Title: Deer Park Drainage Analysis – Various Locations
Date: June 4, 2019
Client: The City of Deer Park
Authorizing Agent: Bill Pedersen
Address: 710 E Augustine
Deer Park, Texas 77536
Telephone No.: 281.478.7270
E-Mail Address: bpedersen@deerparktx.org

Cobb, Fendley & Associates, Inc. ("CobbFendley") is pleased to propose professional engineering services to you in connection with the hydraulic and hydrologic drainage studies for 6 local areas identified in the RFQ – Design Services for Drainage Projects in Deer Park, Texas.

CobbFendley's services are to be performed for the sole benefit of the City of Deer Park ("Client") who shall be responsible for payment of those services. When accepted by the signature of Client's authorized representative, the Authorization and the documents referenced herein shall constitute the entire agreement between Client and CobbFendley with respect to this project.

A copy of the *General Terms and Conditions of the Authorization for Professional Services* is attached and constitutes a part of this agreement.

SCOPE OF SERVICES

The fees for the following services will be billed according to the following fixed fees:

- ☒ **Task 1 – Heritage Addition Drainage Analysis**
Duties to be performed under this task are as follows:
- Coordination and meetings with the Client, HCFCD, et al
 - Collection, Review and Analysis of Existing Plans, As-built drawings, H&H Data, Maps and Previous Studies
 - Conduct site visit
 - Analyze existing condition sheetflow patterns, determine existing condition outfall locations and identify FEMA 100-year floodplain extents within project location (if any)
 - Create existing condition drainage area map, determine hydrologic variables necessary to compute flow generated for each of the areas for the various rainfall events (2-, 10-, and 100-year) and perform hydrologic calculations
 - Perform static hydraulic analysis on existing drainage system, using HouStorm (or equivalent), to determine areas within the existing drainage

system with insufficient conveyance capacity and to identify problem areas.

- Revise existing condition drainage areas to incorporate modifications to existing drainage system (as needed)
- Perform proposed condition hydrologic calculations to determine increase in flow generated by proposed improvements (if necessary)
- Create hydraulic models for alternative proposed solutions (up to 3) which provide relief to the existing drainage system (reduction in overland stored water surface elevation) and prepare mitigation measures for the recommended alternative to reduce impacts to receiving outfall systems
- Prepare a drainage report with exhibits and submit for review/acceptance
- Address any review comments and update report for final submittal **\$32,890.00**

☒ **Task 2 – Deer Meadows Drainage Analysis**

Duties to be performed under this task are as follows:

- Coordination and meetings with the Client, HCFCD, et al
- Collection, Review and Analysis of Existing Plans, As-built drawings, H&H Data, Maps and Previous Studies
- Conduct site visit
- Analyze existing condition sheetflow patterns, determine existing condition outfall locations and identify FEMA 100-year floodplain extents within project location (if any)
- Create existing condition drainage area map, determine hydrologic variables necessary to compute flow generated for each of the areas for the various rainfall events (2-, 10-, and 100-year) and perform hydrologic calculations
- Perform static hydraulic analysis on existing drainage system, using HouStorm (or equivalent), to determine areas within the existing drainage system with insufficient conveyance capacity and to identify problem areas.
- Revise existing condition drainage areas to incorporate modifications to existing drainage system (as needed)
- Perform proposed condition hydrologic calculations to determine increase in flow generated by proposed improvements (if necessary)
- Create hydraulic models for alternative proposed solutions (up to 3) which provide relief to the existing drainage system (reduction in overland stored water surface elevation) and prepare mitigation measures for the recommended alternative to reduce impacts to receiving outfall systems
- Prepare a drainage report with exhibits and submit for review/acceptance
- Address any review comments and update report for final submittal **\$27,340.00**

☒ **Task 3 – Westside Manor Drainage Analysis**

Upon authorization, duties to be performed under this task are as follows:

- Coordination and meetings with the Client, HCFCD, et al
- Collection, Review and Analysis of Existing Plans, As-built drawings, H&H Data, Maps and Previous Studies

- Conduct site visit
- Analyze existing condition sheetflow patterns, determine existing condition outfall locations and identify FEMA 100-year floodplain extents within project location (if any)
- Create existing condition drainage area map, determine hydrologic variables necessary to compute flow generated for each of the areas for the various rainfall events (2-, 10-, and 100-year) and perform hydrologic calculations
- Perform static hydraulic analysis on existing drainage system, using HouStorm (or equivalent), to determine areas within the existing drainage system with insufficient conveyance capacity and to identify problem areas.
- Revise existing condition drainage areas to incorporate modifications to existing drainage system (as needed)
- Perform proposed condition hydrologic calculations to determine increase in flow generated by proposed improvements (if necessary)
- Create hydraulic models for alternative proposed solutions (up to 3) which provide relief to the existing drainage system (reduction in overland stored water surface elevation) and prepare mitigation measures for the recommended alternative to reduce impacts to receiving outfall systems
- Prepare a drainage report with exhibits and submit for review/acceptance
- Address any review comments and update report for final submittal **\$TBD**



Task 4 – Deer Park Manor Drainage Analysis

Upon authorization, duties to be performed under this task are as follows:

- Coordination and meetings with the Client, HCFCD, et al
- Collection, Review and Analysis of Existing Plans, As-built drawings, H&H Data, Maps and Previous Studies
- Conduct site visit
- Analyze existing condition sheetflow patterns, determine existing condition outfall locations and identify FEMA 100-year floodplain extents within project location (if any)
- Create existing condition drainage area map, determine hydrologic variables necessary to compute flow generated for each of the areas for the various rainfall events (2-, 10-, and 100-year) and perform hydrologic calculations
- Perform static hydraulic analysis on existing drainage system, using HouStorm (or equivalent), to determine areas within the existing drainage system with insufficient conveyance capacity and to identify problem areas.
- Revise existing condition drainage areas to incorporate modifications to existing drainage system (as needed)
- Perform proposed condition hydrologic calculations to determine increase in flow generated by proposed improvements (if necessary)
- Create hydraulic models for alternative proposed solutions (up to 3) which provide relief to the existing drainage system (reduction in overland

stored water surface elevation) and prepare mitigation measures for the recommended alternative to reduce impacts to receiving outfall systems

- Prepare a drainage report with exhibits and submit for review/acceptance
- Address any review comments and update report for final submittal **\$24,760**

☒ **Task 5 – Delo-Elaine Drainage Analysis**

Upon authorization, duties to be performed under this task are as follows:

- Coordination and meetings with the Client, HCFCD, et al
- Collection, Review and Analysis of Existing Plans, As-built drawings, H&H Data, Maps and Previous Studies
- Conduct site visit
- Analyze existing condition sheetflow patterns, determine existing condition outfall locations and identify FEMA 100-year floodplain extents within project location (if any)
- Create existing condition drainage area map, determine hydrologic variables necessary to compute flow generated for each of the areas for the various rainfall events (2-, 10-, and 100-year) and perform hydrologic calculations
- Perform static hydraulic analysis on existing drainage system, using HouStorm (or equivalent), to determine areas within the existing drainage system with insufficient conveyance capacity and to identify problem areas.
- Revise existing condition drainage areas to incorporate modifications to existing drainage system (as needed)
- Perform proposed condition hydrologic calculations to determine increase in flow generated by proposed improvements (if necessary)
- Create hydraulic models for alternative proposed solutions (up to 3) which provide relief to the existing drainage system (reduction in overland stored water surface elevation) and prepare mitigation measures for the recommended alternative to reduce impacts to receiving outfall systems
- Prepare a drainage report with exhibits and submit for review/acceptance
- Address any review comments and update report for final submittal **\$23,870**

☒ **Task 6 – South Pasadena Plaza Drainage Analysis**

Upon authorization, duties to be performed under this task are as follows:

- Coordination and meetings with the Client, HCFCD, et al
- Collection, Review and Analysis of Existing Plans, As-built drawings, H&H Data, Maps and Previous Studies
- Conduct site visit
- Analyze existing condition sheetflow patterns, determine existing condition outfall locations and identify FEMA 100-year floodplain extents within project location (if any)
- Create existing condition drainage area map, determine hydrologic variables necessary to compute flow generated for each of the areas for the various rainfall events (2-, 10-, and 100-year) and perform hydrologic calculations

- Perform static hydraulic analysis on existing drainage system, using HouStorm (or equivalent), to determine areas within the existing drainage system with insufficient conveyance capacity and to identify problem areas.
- Revise existing condition drainage areas to incorporate modifications to existing drainage system (as needed)
- Perform proposed condition hydrologic calculations to determine increase in flow generated by proposed improvements (if necessary)
- Create hydraulic models for alternative proposed solutions (up to 3) which provide relief to the existing drainage system (reduction in overland stored water surface elevation) and prepare mitigation measures for the recommended alternative to reduce impacts to receiving outfall systems
- Prepare a drainage report with exhibits and submit for review/acceptance
- Address any review comments and update report for final submittal **\$TBD**

☒ **Task 7 – On Call Survey Services**

Upon authorization, CobbFendley will obtain detailed survey information where deemed necessary, when additional data is required to provide a more accurate hydraulic representation within the models. Survey data may include spot elevations, measure down elevations, channel cross section information, etc.. Pricing for additional survey will be determined based upon amount of survey required. Survey data will not be obtained without prior authorization from the client **\$TBD**

☒ **Task 8 – Repetitive Loss Neighborhood Flood Analysis**

This task involves analysis of drainage systems within 4 local areas identified as having repetitive flooding in Deer Park, Texas.

The four local areas are identified as follows and are indicated on the attached map:

- 1.) Deer Park Gardens – the study area is roughly bound by Boston St on the west, Luella Ave on the east, 8th St on the north and 13th St on the south.
- 2.) Parkview West – extending from approximately Oklahoma Ave on the west to Texas Ave on the east, San Augustine Ave on the north and Pasadena Blvd on the south.
- 3.) P & Center – Analyze areas conveying runoff to the intersection of “P” St and Center St near the Stripes Gas Station. The approximate extents of the analysis is from Texas Ave on the west to B112-06-00 on the east, and Page St on the north to Willowspring Creek (B112-00-00) on the south.
- 4.) College Park – extending approximately from E Lambuth Ln south to Spencer Hwy, and from B112-03-01 to the eastern boundary of the neighborhood (approximately 900 ft east of Luella Ave).

Upon authorization, duties to be performed under this task are as follows:

- Coordination and meetings with the Client, HCFCD, et al
- Collection, Review and Analysis of Existing Plans, As-built drawings, H&H Data, Maps and Previous Studies
- Conduct site visit

- Analyze existing condition sheetflow patterns, determine existing condition outfall locations and identify FEMA 100-year floodplain extents within project location (if any)
- Create existing condition drainage area map, determine hydrologic variables necessary to compute flow generated for each of the areas for the various rainfall events (TP40/Hydro35 2-, 10-, and 100-year) and perform hydrologic calculations
- Perform static hydraulic analysis on existing drainage system, to determine locations within the existing drainage system which have insufficient conveyance capacity and to identify problem areas.
- Revise existing condition drainage areas to incorporate modifications to existing drainage system (as needed)
- Perform proposed condition hydrologic calculations to determine increase in flow generated by proposed improvements (if necessary)
- Create hydraulic models for alternative proposed solutions (up to 3) which provide relief to the existing drainage system (reduction in overland stored water surface elevation) and prepare mitigation measures for the recommended alternative to reduce impacts to receiving outfall systems
- Prepare a drainage report with exhibits and submit for review/acceptance
- Address any review comments and update report for final submittal **\$90,540.00**

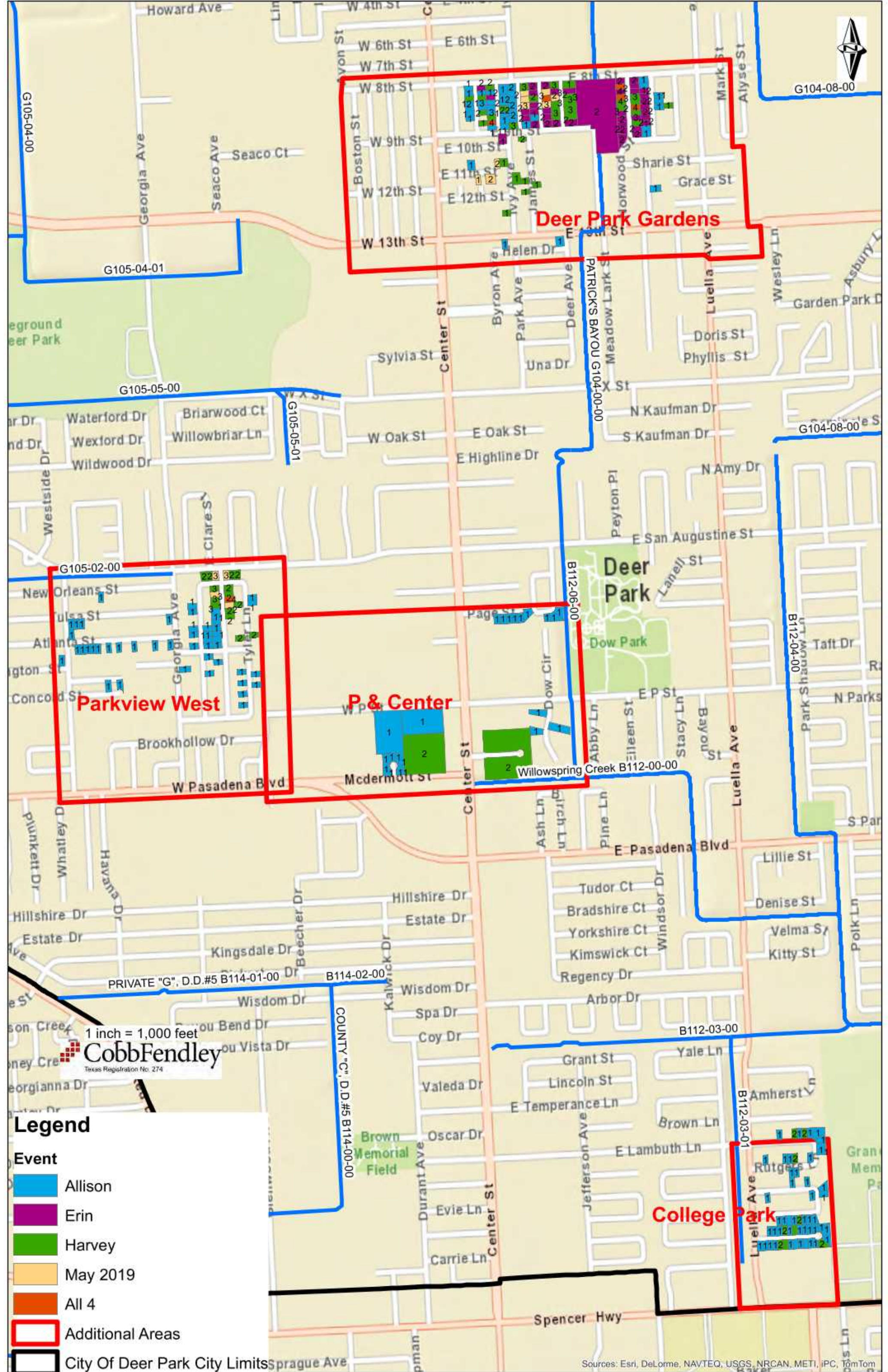
EXCLUSIONS FROM THE SCOPE OF SERVICES

Specific items excluded from this proposal are as follows, and CobbFendley shall have no responsibility to perform any of these services.

1. Agency or approval fees.
2. Submittal of LOMR or CLOMR to FEMA.
3. Surveying services or engineering design.
4. Obtaining construction permit.
5. Obtaining EPA's NPDES or TCEQ's TPDES permit or Notice of Intent.
6. Soil, water or other environmental testing or environmental assessment of any kind.
7. Any other services not specifically included within the description of the Basic Services or Other Services as described above.

ADDITIONAL SERVICES

Services not included in the description of Scope of Services in this proposal may be provided by CobbFendley, and if provided by CobbFendley, said services shall be considered to be Additional Services and shall require additional fees.



Legend

Event

- Allison
- Erin
- Harvey
- May 2019
- All 4
- Additional Areas
- City Of Deer Park City Limits

SCHEDULE B**2018 Standard Rate Schedule**

Principal / Chief Engineer	\$275.00/HR
Senior Engineer	\$260.00/HR
Senior Project Manager	\$225.00/HR
Project Manager II	\$210.00/HR
Project Manager I	\$185.00/HR
Senior Hydrologist	\$210.00/HR
Expert Witness (H&H).....	\$500.00/HR
Project Engineer III	\$160.00/HR
Project Engineer II	\$145.00/HR
Project Engineer I	\$125.00/HR
Senior Technician	\$135.00/HR
Technician III	\$120.00/HR
Technician II	\$110.00/HR
Technician I	\$90.00/HR
Licensed State Land Surveyor	\$225.00/HR
Registered Professional Land Surveyor	\$165.00/HR
4 Person Field Services Crew.....	\$180.00/HR
3 Person Field Services Crew.....	\$160.00/HR
2 Person Field Services Crew.....	\$140.00/HR
1 Person Field Services Crew.....	\$100.00/HR
2 Person Hy-Drone Crew.....	\$325.00/HR
2 Person UAV Drone Crew	\$225.00/HR
Construction Manager III.....	\$250.00/HR
Construction Manager II.....	\$210.00/HR
Construction Manager I.....	\$185.00/HR
Senior Field Construction Observer	\$125.00/HR
Field Construction Observer	\$105.00/HR
Utility Specialist.....	\$140.00/HR
Telecommunications Designer.....	\$115.00/HR
Telecommunications Field Person.....	\$90.00/HR
GIS Manager	\$160.00/HR
GIS Analyst.....	\$110.00/HR
Post Processing GPS Data	\$110.00/HR
Right-of-Way Project Manager.....	\$160.00/HR
Right-of-Way Attorney.....	\$150.00/HR
Right-of-Way Agent.....	\$135.00/HR
Administrative	\$100.00/HR
Clerical.....	\$75.00/HR



2018 Standard Rate Schedule

GPS\$37.00/HR/Receiver

(Continued)

SUBSURFACE UTILITY ENGINEERING

One-Man Designating Crew (4-Hour Minimum)\$100/HR
Two-Man Designating Crew (4-Hour Minimum)\$160/HR
Vacuum Excavation Truck with 2 Technicians (Vac 3000 & 4000) (4-Hour Minimum).....\$280/HR
Vacuum Excavation Truck with 2 Technicians (Vac 6000) (4-Hour Minimum).....\$300/HR
Ground Penetrating Radar with 1 Technician (4-Hour Minimum)\$250/HR
Traffic Control Officer.....@ Cost + 10%
Traffic Control (Lane Closures, etc.) To Be Negotiated
Permits (Local, State, etc.).....@ Cost + 10%
Designation & Traffic Control Vehicles \$3.40/Mile
Location Vehicles..... \$6.80/Mile

REIMBURSABLE EXPENSES

Technology Fee (*)\$3.75/HR
Consultant or Specialty Contractor (Outside Firm)@ Cost + 10%
Courier, Special Equipment Rental@ Cost + 10%
Reasonable Out of Town Travel Expenses (Air, Hotel, Rental, etc.)@ Cost
Mileage (Standard Car or Truck)..... IRS Approved Rate
Per Diem for Out of Town Travel (Per Day/Person)\$36/Day
Title Plant Charges@ Cost + 10%
Other Misc. Expenses Related to the Project.....@ Cost + 10%

In-House Reproduction:

- Copies (Up to 11" x 17").....\$0.15/Each
- Color Prints (Up to 11" x 17").....\$1.50/Each
- Color Prints (Larger than 11" x 17")\$3.00/Sq. Ft.
- Bluelines (All Sizes)\$1.00/Each
- Bond Prints (All Sizes)\$2.00/Each
- Mylar Prints\$12.00/Each
- Vellum Prints\$9.00/Each

(*) Technology charges added to each billable man-hour.