

STATE OF TEXAS                   §  
  §  
COUNTY OF FORT BEND       §

**THIRD AMENDMENT TO AGREEMENT FOR  
PROFESSIONAL ENGINEERING SERVICES**

**THIS THIRD AMENDMENT**, is made and entered into by and between Fort Bend County (hereinafter “County”), a body corporate and politic under the laws of the State of Texas, and HR Green, Inc., (hereinafter “Contractor”), a company authorized to conduct business in the State of Texas.

WHEREAS, the parties executed and accepted that certain Agreement for Professional Engineering Services on May 22, 2018, (hereinafter “Agreement”) pursuant to SOQ 14-025, as amended by documents executed on February 26, 2019, (hereinafter “Amendment”), and March 23, 2021, (hereinafter “Second Amendment”); and

WHEREAS, the parties desire to further amend the Agreement for additional professional engineering services to be provided and increase the total Maximum Compensation for such additional services.

**NOW, THEREFORE**, the parties do mutually agree as follows:

1. County shall pay Contractor an additional thirty-eight thousand five hundred seventy-two dollars and 50/100 (\$38,572.50) for the additional engineering services as described in Contractor’s proposal dated November 18, 2021 attached hereto as Exhibit “A” and incorporated herein for all purposes.
2. The Maximum Compensation payable to Contractor for Services rendered is hereby increased to an amount not to exceed seven hundred ninety-eight thousand four hundred seventy-four dollars and no/100 (\$798,474.00), authorized as follows:
  - \$604,100.00 under the Agreement;
  - \$130,650.00 under the Amendment;
  - \$25,151.50 under the Second Amendment; and
  - \$38,572.50 under this Third Amendment.
3. In no case shall the amount paid by County for all Services under the Agreement and any subsequently executed amendment exceed the Maximum Compensation without further written agreement executed by the parties.
4. The parties hereby agree to extend the Time of Performance under the Agreement to end no later than December 31, 2028.

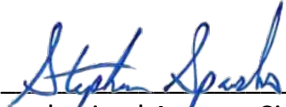
5. BY ACCEPTANCE OF AGREEMENT, CONTRACTOR ACKNOWLEDGES THAT THE COUNTY IS OPPOSED TO HUMAN TRAFFICKING AND THAT NO COUNTY FUNDS WILL BE USED IN SUPPORT OF SERVICES OR ACTIVITIES THAT VIOLATE HUMAN TRAFFICKING LAWS.

Except as provided herein, all terms and conditions of the Agreement and any subsequently executed amendment shall remain unchanged.

FORT BEND COUNTY

HR GREEN, INC

\_\_\_\_\_  
KP George, County Judge

  
\_\_\_\_\_  
Authorized Agent – Signature

\_\_\_\_\_  
Date

Stephen Sparks  
\_\_\_\_\_  
Authorized Agent – Printed Name

ATTEST:

Vice President  
\_\_\_\_\_  
Title

\_\_\_\_\_  
Laura Richard, County Clerk

5-20-2022  
\_\_\_\_\_  
Date

APPROVED:

  
\_\_\_\_\_  
J. Stacy Slawinski, P.E., County Engineer

#### AUDITOR'S CERTIFICATE

I hereby certify that funds are available in the amount of \$ \_\_\_\_\_ to accomplish and pay the obligation of Fort Bend County under this contract.

\_\_\_\_\_  
Robert Ed Sturdivant, County Auditor

I:\Marcus\Agreements\Engineering\Road Construction\Burney\17207\Amend 3 - Pro Eng Svcs.Burney.HRG.docx.5/19/2022. 18-Eng-500046-A3

# EXHIBIT A



HRGreen

▷ 11011 Richmond Avenue | Suite 200 | Houston, TX 77042  
Main 713.965.9996 + Fax 713.965.0044 + TBPE Firm F-11278

▷ HRGREEN.COM

Mr. Stacy Slawinski, PE  
Fort Bend County Engineer  
301 Jackson Street  
Rosenburg, Texas 77471

November 18, 2021

RE: Proposal for addressing constructability review comments requiring additional work on Burney-Old Richmond Road plans.

Dear Mr. Slawinski:

HR Green is pleased to submit our proposal to make necessary revisions to plans to address review comments on the Burney Old Richmond Project. This proposal is based on our understanding of the project as discussed with RPS and review comments provided by RPS. This proposal presents a general overview with scope of service and proposed fee.

#### **GENERAL OVERVIEW**

The limits include the following: Burney-Old Richmond Road project to facilitate comments received on the 100% submittal plans. The work includes revisions to various parts of the plans.

#### **PROPOSED FEE**

The requested additional funds for updating the plans based on constructability reviews is **\$28,620.00 (see Attachment "A")**.

#### **SCOPE OF SERVICES**

**LS Comments:** Revisions to plans:

- Show profile of roadway through Burney/Old Richmond intersection (2 sheets)
- Clarify TCP connectivity at Sugarland-Howell and Old Richmond intersection (1 sheet)
- Update storm sewer callouts, ditch pipe coverage callouts, clean linework and text call-outs.

**WC Comments:** Revision to Plans:

- Change sidewalks to 5' with 1' green space behind curb (update base files, 18 p&p sheets, 2 typical section sheets)
- Update cross sections for new sidewalk width and location (35 sheets)
- Update ramps on Old Richmond to add pedestrian warning signs and continental crosswalks
- Remove stop condition for Old Richmond at Sugarland Howell intersection in TCP

HR Green appreciates the opportunity to submit this proposal and we look forward to working with you and your staff on this important project. Please call should you have any questions or comments.

Sincerely,

Jesus Olivas, PE  
HR GREEN, INC.  
Project Manager, Attachments

BURNEY OLD RICHMOND PROJECT  
PLANS REVISIONS

<b>ATTACHMENT "A": FEE STRUCTURE SUMMARY</b>		
<b>A. REVISE DESIGN</b>		
1. UPDATE PLANS		\$28,620.00
	SUB-TOTAL	<b>\$28,620.00</b>
<b>B. ADDITIONAL SERVICES</b>		
1. SURVEY		\$0.00
2. MISC. EXPENSES		\$0.00
	SUB-TOTAL	<b>\$0.00</b>
<b>TOTAL FEE:</b>		<b>\$28,620.00</b>

**ATTACHMENT "A" - LEVEL OF EFFORT (HR GREEN, INC)  
METHOD OF PAYMENT: LUMP SUM  
Burney Old Richmond Sheet Revisions for: Updates to Plans per Review Comments**

TASK DESCRIPTION	Drainage		Drainage		Drainage		Drainage		CADD TECHNICIAN	CLERICAL	TOTAL LABOR HRS.	TOTAL COSTS
	SENIOR PROJECT MANAGER	SENIOR PROJECT MANAGER	SENIOR ENGINEER	SENIOR ENGINEER	PROJECT ENGINEER	PROJECT ENGINEER	SENIOR ENGINEER	SENIOR ENGINEER				
CONTRACT RATE PER HOUR (With 3.00 MULT)	\$285.00	\$230.00	\$165.00	\$180.00	\$135.00	\$125.00	\$103.00					
<b>UPDATES TO PLANS</b>												
<b>LS Comments</b>												
SHOW PROFILE OF ROADWAY THROUGH BURNEY/OLD RICHMOND INTERSECTION (2 SHEETS)		2	6			16					24	\$3,450.00
CLARIFY TCP CONNECTIVITY AT SUGARLAND-HOWELL AND OLD RICHMOND INTERSECTION (1 SHEET)		1	4			8					13	\$1,890.00
<b>WC Comments</b>												
CHANGE SIDEWALKS TO 5' WITH 2' GREEN SPACE BEHIND CURB (UPDATE BASE FILES, 18 P&P SHEETS, 2 TYPICAL SECTION SHEETS)		4	26			36					66	\$9,710.00
UPDATE CROSS SECTIONS FOR NEW SIDEWALK WIDTH AND LOCATION (35 SHEETS)		4	16			16					36	\$5,560.00
UPDATE RAMPS ON OLD RICHMOND TO ADD PEDESTRIAN WARNING SIGNS AND CONTINENTAL CROSSWALKS		0.5	4			8					12.5	\$1,775.00
REMOVE STOP CONDITION FOR OLD RICHMOND AT SUGARLAND HOWELL INTERSECTION IN TCP		0.5	1			3					4.5	\$655.00
<b>DRAINAGE ITEMS TO UPDATE PLANS</b>												
Storm Plan & Profile (17 sheets): Update ditch pipe callouts, Update P&P Sheets, Cleaning Lineworks and Text Call-Outs			4		8	16					28	\$3,740.00
<b>HOURS SUB-TOTALS</b>	0	12	61	0	8	103	0				184	\$26,780.00
CONTRACT RATE PER HOUR	\$255.00	\$230.00	\$165.00	\$180.00	\$135.00	\$125.00	\$103.00					
TOTAL LABOR COSTS	\$0.00	\$2,760.00	\$10,065.00	\$0.00	\$1,080.00	\$12,875.00	\$0.00					\$26,780.00
% DISTRIBUTION OF STAFFING	0.00%	6.52%	33.15%	0.00%	4.35%	55.98%	0.00%					
<b>SUBTOTAL PLANS PREPARATION</b>												\$26,780.00
<b>BID PHASE SERVICES</b>												
UPDATE PROJECT MANUAL AND ESTIMATE WITH UPDATED QUANTITIES AND SHEETS				8							8	\$1,840.00
<b>HOURS SUB-TOTALS</b>	0	8	0	0	0	0	0				8	1,840
CONTRACT RATE PER HOUR	\$255.00	\$230.00	\$165.00	\$180.00	\$135.00	\$125.00	\$103.00					
TOTAL LABOR COSTS	\$0.00	\$1,840.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00					\$1,840.00
% DISTRIBUTION OF STAFFING	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%					
<b>SUBTOTAL BID PHASE SERVICES</b>												\$1,840.00
<b>SUMMARY</b>												
TOTAL LABOR COSTS FOR PLANS PREPARATION		\$26,780.00										
TOTAL LABOR COSTS FOR BID-PHASE SERVICES		\$1,840.00										
<b>GRAND TOTAL</b>		\$28,620.00										



HRGreen

▷ 11011 Richmond Avenue | Suite 200 | Houston, TX 77042  
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▷ [HRGREEN.COM](http://HRGREEN.COM)

Mr. Stacy Slawinski, PE  
Fort Bend County Engineer  
301 Jackson Street  
Rosenburg, Texas 77471

April 6, 2022

RE: Proposal for SUE work required to facilitate Utility Coordination along Burney-Old Richmond Road

Dear Mr. Slawinski:

HR Green is pleased to submit our proposal to execute Subsurface Utility Engineering (SUE) operations on the Burney Old Richmond Project to facilitate Utility Coordination with North Fort Bend Water Authority MUD. This proposal is based on our understanding of the project as discussed with RPS and discussions with the MUD district. This proposal presents a general overview with scope of service and proposed fee.

#### GENERAL OVERVIEW

The limits include the following: SUE operations at four locations along Burney-Old Richmond Road to facilitate analysis of potential utility conflicts. The SUE locations are located at Sta 146+98 LT & RT, 148+54 RT, and 149+24 RT.

#### PROPOSED FEE

The requested additional funds for SUE operations and analysis is **\$9,952.50 (see Attachment "A")**.

#### SCOPE OF SERVICES

- I. Subsurface Utility Engineering:
  - SUE Proposal Attached with scope from SUE Engineer (Half Associates).
  - Coordinate with surveyor for survey topo files with SUE information

HR Green appreciates the opportunity to submit this proposal and we look forward to working with you and your staff on this important project. Please call should you have any questions or comments.

Sincerely,

Jesus Olivas, PE  
**HR GREEN, INC.**  
Project Manager, Attachments

BURNEY OLD RICHMOND PROJECT  
SUE ANALYSIS AND COORDINATION

<b>ATTACHMENT "A": FEE STRUCTURE SUMMARY</b>		
<b>A. DESIGN PHASE SERVICES</b>		
1. DESIGN AND COORDINATION		\$907.50
	SUB-TOTAL	<b>\$907.50</b>
<b>B. ADDITIONAL SERVICES</b>		
1. SUE ANALYSIS		\$9,045.00
2. MISC. EXPENSES		\$0.00
	SUB-TOTAL	<b>\$9,045.00</b>
<b>TOTAL FEE:</b>		<b>\$9,952.50</b>

**ATTACHMENT "A" - LEVEL OF EFFORT (HR GREEN, INC)**  
**METHOD OF PAYMENT: LUMP SUM**  
**Burney Old Richmond Sheet Revisions for: SUE Work requirements**

TASK DESCRIPTION	STEVE PRINCIPAL/ DEPARTMENT MANAGER	JESUS SENIOR PROJECT MANAGER	ANDREW SENIOR ENGINEER	VICKY PROJECT ENGINEER	MELINDA SENIOR ENGINEER TECHNICIAN	REYES CADD TECHNICIAN	JENNIFER CLERICAL	TOTAL LABOR HRS. & COSTS
CONTRACT RATE PER HOUR (With 3.00 Mult.)	\$285.00	\$230.00	\$165.00	\$135.00	\$145.00	\$125.00	\$103.00	
<b>PLANS PREPARATION</b>								
AQUIRE AND REVIEW EXISTING DATA FROM SUE ENGINEER								0
SITE VISIT TO SUE LOCATION								0
COORDINATE WITH SURVEYOR AND UPDATE SURVEY TOPO FILES WITH SUE INFORMATION								0
UTILITY COORDINATION WITH MUD'S (NFBWA)								0
UPDATE ROADWAY PLAN AND PROFILE SHEETS SHOWING SUE DATA OBTAINED (2 SHEET)								0
UPDATE SURVEY TOPO REFERENCE FILES WITH SUE INFORMATION								0
QA/QC PREPARATION \ COMMENT RESPONSES (2 submittals)								0
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0
CONTRACT RATE PER HOUR	\$285.00	\$230.00	\$165.00	\$135.00	\$145.00	\$125.00	\$103.00	
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
% DISTRIBUTION OF STAFFING	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
<b>SUBTOTAL PLANS PREPARATION</b>								<b>\$0.00</b>

TASK DESCRIPTION	PRINCIPAL/ DEPARTMENT MANAGER	SENIOR PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	SENIOR ENGINEER TECHNICIAN	CADD TECHNICIAN	CLERICAL	TOTAL LABOR HRS. & COSTS
<b>BID PHASE SERVICES</b>								
UPDATE PROJECT BID MANUAL AND DOCUMENTS WITH UPDATED QUANTITIES AND SHEETS								0
UPLOAD PLANS AND DOCUMENTS TO FORT BEND COUNTY/RPS								0
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0
CONTRACT RATE PER HOUR	\$285.00	\$230.00	\$165.00	\$135.00	\$145.00	\$125.00	\$103.00	
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
% DISTRIBUTION OF STAFFING	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
<b>SUBTOTAL BID PHASE SERVICES</b>								<b>\$0.00</b>

TASK DESCRIPTION	PRINCIPAL/ DEPARTMENT MANAGER	SENIOR PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	SENIOR ENGINEER TECHNICIAN	CADD TECHNICIAN	CLERICAL	TOTAL LABOR HRS. & COSTS
<b>CONSTRUCTION PHASE</b>								
ATTEND PRE-CONSTRUCTION MEETING								0
ATTEND CONSTRUCTION PROGRESS MEETINGS, AS NEEDED								0
REVIEW SHOP DRAWINGS AND SUBMITTALS								0
RESPOND TO RFIS								0
ASSIST LEAGUE CITY CONSTRUCTION ENGINEER/INSPECTOR								0
PREPARE CONTRACTOR PAYMENT APPLICATIONS FOR CDBG								0
ATTEND FINAL WALK THROUGH								0
PREPARE AS-BUILT DRAWINGS								0
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0
CONTRACT RATE PER HOUR	\$285.00	\$230.00	\$165.00	\$135.00	\$145.00	\$125.00	\$103.00	
TOTAL LABOR COSTS	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
% DISTRIBUTION OF STAFFING	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	
<b>SUBTOTAL CONSTRUCTION PHASE SERVICES</b>								<b>\$0.00</b>

TASK DESCRIPTION	PRINCIPAL/ DEPARTMENT MANAGER	SENIOR PROJECT MANAGER	SENIOR ENGINEER	PROJECT ENGINEER	SENIOR ENGINEER TECHNICIAN	CADD TECHNICIAN	CLERICAL	TOTAL LABOR HRS. & COSTS
<b>PROJECT MANAGEMENT</b>								
COORDINATION WITH RPS FOR SUE WORK (CONF. CALLS/EMAILS)								0
COORDINATION WITH SURVEYOR FOR SUE			5.5					5.5
GENERAL PROJECT MANAGEMENT AND PREPARE SUBMITTALS AND DOCUMENTS								0
PREPARE INVCES WITH PROJECT STATUS REPORT								0
HOURS SUB-TOTALS	0	0	5.5	0	0	0	0	5.5
CONTRACT RATE PER HOUR	\$285.00	\$230.00	\$165.00	\$135.00	\$145.00	\$125.00	\$103.00	
TOTAL LABOR COSTS	\$0.00	\$0.00	\$907.50	\$0.00	\$0.00	\$0.00	\$0.00	\$907.50
% DISTRIBUTION OF STAFFING	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	
<b>SUBTOTAL (FC 164)</b>								<b>\$907.50</b>

TASK DESCRIPTION	SUB CONSULTANT FEE							TOTAL LABOR HRS. & COSTS
<b>SUBCONSULTANT SERVICES</b>								
SURVEY (HALFF ASSOCIATES)	\$9,045.00							\$9,045.00
TOTAL LABOR COSTS								\$9,045.00
<b>SUBTOTAL SUBCONSULTANTS</b>								<b>\$9,045.00</b>

OTHER DIRECT EXPENSES	UNITS	COST/UNIT	QUANTITY					
Mileage (# of miles) (current state rate)	MI	\$0.543	0					\$0.00
Courier Services (Deliveries)	EA	\$30.00	0					\$0.00
Photocopies B/W (8.5 X 11) (Bid Book: 5 sets x 300 sheets)	EA	\$0.12	0					\$0.00
Photocopies B/W (11 X 17) (Plans: 2 Submittals x 70)	EA	\$0.15	0					\$0.00
Photocopies B/W (22 X 34) (Plans: 5 Submittals x 70)	EA	\$0.54	0					\$0.00
Photocopies Color (8.5 X 11)	EA	\$0.80	0					\$0.00
Photocopies Color (11 X 17)	EA	\$1.50	0					\$0.00
Blackline Prints (11" X 17")	EA	\$1.10	0					\$0.00
Plots (Color on Bond)	SF	\$4.00	0					\$0.00
<b>TOTAL OTHER DIRECT EXPENSES</b>								<b>\$0.00</b>
<b>TOTAL OTHER DIRECT EXPENSES WITH 10% MARKUP</b>							Round up	<b>\$0.00</b>

<b>SUMMARY</b>	
TOTAL LABOR COSTS FOR <b>SUE WORK AND COORDINATION</b>	\$0.00
TOTAL LABOR COSTS FOR <b>BID-PHASE SERVICES</b>	\$0.00
TOTAL LABOR COSTS FOR <b>CONSTRUCTION-PHASE SERVICES</b>	\$0.00
TOTAL LABOR COSTS FOR <b>PROJECT MANAGEMENT</b>	\$907.50
TOTAL LABOR COSTS FOR <b>SUBCONSULTANTS</b>	\$9,045.00
OTHER DIRECT EXPENSES FOR <b>HR GREEN, INC.</b>	\$0.00
<b>GRAND TOTAL</b>	<b>\$9,952.50</b>

**WORK PLAN (EXHIBIT B)**

**I. COORDINATION/PERMITTING**

Description	Quantity	Authorized Rate	Unit	Estimated Cost
Project Manager	2	\$230.00	hour	\$460.00
SUE Manager	2	\$145.00	hour	\$290.00
Utility Coordinator	4	\$155.00	hour	\$620.00
Admin/Clerical	1	\$75.00	hour	\$75.00

Subtotal: \$1,445.00

**II. POT HOLING (VACUUM EXCAVATION) (QL-A)**

Depth	Quantity	Authorized Rate	Unit	Estimated Cost
All Depths	4	\$1,500.00	each	\$6,000.00

Subtotal: \$6,000.00

**III. MISCELLANEOUS**

Task	Quantity	Authorized Rate	Unit	Estimated Cost
Certified Traffic Control (Provided by others)	1	\$1,600.00	day	\$1,600.00

Subtotal: \$1,600.00

**TOTAL \$9,045.00**

Note: This is an estimate based upon the anticipated hours and personnel categories to perform the number of Quality Level-A Test Holes requested. Halff will invoice for the number of test holes attempted (whether utility is located or not) and actual hours worked for coordination/permitting. Due to the unknown timing of project approval and personnel availability, Halff will invoice actual hours worked and personnel categories utilized for this project in accordance with the attached 2021 Halff SUE Rate Schedule. If it is determined that additional test holes are required or if quantities are exceeded, Halff will notify HR Greenfor authorization and submit a supplemental agreement to increase the fee prior to proceeding with any additional work.

Halff's services will be performed in a manner consistent with that degree of skill and care ordinarily exercised by members of the same profession currently practicing under similar circumstances. Halff will make a good faith effort to locate all utilities, but shall be compensated for work performed even if the utility is not located. This proposal is valid for 30 days.

## SCOPE OF SERVICES (EXHIBIT A)

Client: HR Green

City/County Name: Sugar Land/Fort Bend

Project: Burney Old Richmond SUE

Halff will perform Subsurface Utility Engineering (SUE) in accordance with ASCE CI/ASCE 38-02 "Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data." This standard defines the following Quality Levels:

**Quality Level-A:** Precise horizontal and vertical location of utilities obtained by the actual exposure (or verification of previously exposed and surveyed utilities) and subsequent measurement of subsurface utilities, usually at a specific point. Minimally intrusive excavation equipment is typically used to minimize the potential for utility damage. A precise horizontal and vertical location, as well as other utility attributes, is shown on plan documents.

**Quality Level-B:** Information obtained through the application of appropriate surface geophysical methods to determine the existence and approximate horizontal position of subsurface utilities. Quality Level-B data should be reproducible by surface geophysics at any point of their depiction. This information is surveyed to applicable tolerances defined by the project and reduced onto plan documents.

**Quality Level-C:** Information obtained by surveying and plotting visible above-ground utility features and by using professional judgment in correlating this information to Quality Level-D information.

**Quality Level-D:** Information derived from existing records or oral recollections.

### **Quality Level-A Utility Location (Vacuum Excavation):**

Up to four (4) test holes will be performed on various utilities at locations specified by HR Green. Halff will cut up to a 12" square test hole, excavate down to utility, record the depth to top of utility, backfill & compact the hole, and restore the surface to its original condition. An iron rod with cap or "x-cut" will be set to mark the approximate centerline location of the utility. A jackhammer will be utilized for work to be performed in asphalt and concrete areas. This Scope of Services includes all test holes being performed under one (1) mobilization.

If test holes are requested on non-conductive/untonable utilities depicted as Quality Level-D where the horizontal location is assumed, Halff will coordinate with Client and respective utility owner, on-site personnel if private property and available records to pinpoint the location to perform the test hole. One (1) attempt shall be made, which may or may not expose the subject utility. Should the utility not be exposed, Halff will coordinate with HR Green for direction on digging additional test holes if required and shall be compensated for each test hole dug.

### **Quality Level-B Utility Designation:**

Halff will only designate utilities for the purpose of setting up Quality Level-A Test Hole locations utilizing geophysical prospecting equipment and marking with paint and/or pin

flags. Designation of adjacent utilities not scheduled for a test hole is not part of this Scope of Services.

Because of limited utility record information and the possibility of non-conductive/un-toneable utilities, Halff cannot guarantee all utilities will be found and marked within the project limits.

**Quality Level-C Utility Survey:**

Survey of the iron rod with cap or “x-cut” for Quality Level-A Test Holes will be surveyed and tied utilizing project survey control provided by HR Green.

**Quality Level-D Utility Records Research:**

Any/all available Utility Records will be provided to Halff by HR Green. Halff will perform additional utility record research as needed to successfully complete the project.

Because there are situations where the utility does not have a metallic composition; a metallic tracer line attached; access to insert a tracer line within it, the approximate location of the utility may be determined through the use of utility records and direct correspondence with the utility owner/representative. In these areas, the information will be considered Quality Level-D, depicted according to utility record information only.

**SUE Field Manager / Professional Engineer:**

A SUE Field Manager will be on-site for a portion of this project for field crew supervision, field quality control, and coordination with on-site personnel. A Professional Engineer will be responsible for QA/QC, management of the contract, coordination with the project team and signing the final deliverables if required.

**SUE Deliverables / CADD:**

Deliverables for the Quality Level-A Test Hole excavations will be a 8.5-in. x 11-in. Test Hole Data Form for each Test Hole performed indicating depth, size, location, and other notable characteristics as well as MicroStation and/or AutoCAD files, PDFs, and photos.

**Right-of-Entry:**

Right-of-Entry is not part of this Scope of Services as work is anticipated within the existing road Right-of-Way. If Right-of-Entry is required, it will be performed and provided to Halff by HR Green. Halff will coordinate with property owner(s) once right of entry has been obtained.

**Permitting:**

Street Cut permits will be coordinated with the Fort Bend County and/or TxDOT as required.

**Work Zone Traffic Control:**

Halff will provide standard temporary work zone traffic control consisting of cones and free-standing signage for this project in accordance with the TMUTCD. As exact test holes locations are unknown, certified traffic control such as lane closure(s), flag person(s), changeable message board(s), and/or arrow board(s), if needed or required, will be provided by a certified traffic control provider.

This Scope of Services does not include an engineered traffic control plan and if required for permit approval, Halff will notify HR Green and submit a supplemental agreement for authorization prior to proceeding with additional work.

**Schedule:**

Halff will complete the Quality Level-A Test Hole services within Thirty (30) calendar days upon days receipt of written notice to proceed, a copy of the test hole layout from HR Green and approved permits from Fort Bend County and/or TxDOT.

Due to uncontrollable factors such as ground conditions, weather, and safety hazards, Halff reserves the right to request more time to facilitate field efforts should one of these circumstances exist.

Work performed in the Right-of-Way shall be performed Monday through Friday, 9 am to 4 pm and Saturday and Sunday, 7 am to 7 pm barring foul weather.