



Consultant does further understand and agree, said understanding and agreement also being of the absolute essence of the Agreement, that the total Maximum Compensation that Consultant may become entitled to and the total maximum sum that County may become liable to pay to Consultant under the Agreement shall not under any conditions, circumstances, or interpretations thereof exceed Eight Hundred Three Thousand Seven Hundred Three and 00/100 Dollars (\$803,703.00).

3. **Time for Performance.** The Time of Performance under the Agreement shall extend to end no later than December 31, 2028.
4. **Recitals.** The recitals set forth above are incorporated herein by reference and made a part of the Agreement.
5. **Human Trafficking.** BY ACCEPTANCE OF THIS AGREEMENT, CONTRACTOR ACKNOWLEDGES THAT FORT BEND 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.
6. **Modifications and Conflict.** Except as modified herein, the Agreement shall remain in full force and effect and has not been otherwise modified or amended. If there is a conflict among documents that make up the Agreement, this First Amendment shall prevail with regard to the conflict.

**{Execution Page Follows}**

**{Remainder of Page Intentionally Left Blank}**

**FORT BEND COUNTY, TEXAS**

**IDCUS, INC.**

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

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

\_\_\_\_\_  
Date

Larry Janak, PE  
\_\_\_\_\_  
Authorized Agent- Printed Name

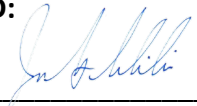
**ATTEST:**

Principal & CEO  
\_\_\_\_\_  
Title

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

10/24/2024  
\_\_\_\_\_  
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, Texas under this Agreement.

\_\_\_\_\_  
Robert E. Sturdivant,  
County Auditor

i:\agreements\2025 agreements\engineering\idcus, inc. (21-eng-100910-a1)\amendment to agreement for professional engineering services -- richmond street project -- mobility bond no. 20118.docx (DRP 10.18.24)

# **EXHIBIT A-1**

(Consultant's Proposal Follows Behind)



August 5, 2024  
Mr. Kevin Mineo, P.E.  
Binkley & Barfield, Inc.  
1710 Seamist Drive,  
Houston, TX 77008

Re: Proposal for Engineering Services  
Richmond Street Improvement - 20118

Dear Mr. Mineo:

IDCUS Inc. is pleased to submit its proposal for the supplemental engineering services to be furnished for improving Richmond Street. The additional work involves reducing the roadway width from a 40' F-F original design to a 33' F-F section and locating exact location of existing Waterlines and FM. The reduction in proposed roadway width helps keeping the gradings inside of the Right-Of-Way (ROW) while the proposed 3-lane curb and gutter facility configuration remains intact. The Scope of this work is comprised of revising the Plans, Specifications & Estimates (PS&E) and perform Level A SUE of existing Waterline and FM. The total cost of the services is **\$134,424.00**.

The above work will be performed by IDCUS Inc. and its 1 sub-consultant:

1- Halff Associates, Inc. – Level A SUE, Traffic Control Plan, and Signing and Pavement Markings;

IDCUS Inc. will provide the overall project management and coordination, roadway and drainage detailed designs.

The scope of the services and the fee schedule of IDCUS and Sub-consultant are attached.

Sincerely,

Larry Janak, P.E.  
President & CEO

## **SCOPE OF WORK**

### **For Fort Bend County – Mobility Projects Richmond St. Project**

#### **GENERAL PROJECT OVERVIEW**

The limits of widening Richmond Street remain the same as previously proposed from FM 360 (Main St.) to Fairchilds Creek, while the bridge replacement over Fairchilds Creek (2000-ft north of the limit of City of Needville) now being proposed with bridge class culverts. In this proposed design modification, Richmond Street will be upgraded from a two-lane asphalt open-ditch section to a three-lane concrete curb & gutter with storm sewer systems. Moreover, the new facility will be designed according to Fort Bend County design criteria for 45 MPH speed; and it will have 2-10' lanes with 1' curb offsets and one 11'-Two-Way- Left-Turn-lane (TWLTL) all within existing 60' ROW. The proposed storm sewer systems will outfall to Fairchilds Creek. The scope of the engineering services modification includes:

**Plans, Specifications & Estimates (PS&E):**

This phase will include the services for the preparation of the project plans and the project manual for bidding.

Engineering Services will be performed in accordance with the appropriate guidelines and standards as identified below:

- 1- *Fort Bend County Engineering Design Manual*, Fort Bend County, March 2022 (Draft)
- 2- *Recommended Guidelines for Subdivision Streets*, Institute of Transportation Engineers, Latest Edition.
- 3- *Guidelines for Urban Major Streets Design*, Institute of Transportation Engineers, Latest Edition.
- 4- *A Policy on Geometric Design of Highways and Streets*, AASHTO, Latest Edition.
- 5- *Texas Manual on Uniform Traffic Control Devices (TMUTCD)*
- 6- *Design Standards and Details*, Fort Bend County, Engineering Department, Latest Standards.
- 7- *Thoroughfare Development Plan*, Fort Bend County, Latest Edition.
- 8- *Geometric Design Standards*, Harris County and City of Houston - as modified by Fort Bend County Engineering Department.
- 9- *Drainage Criteria Manual*, Fort Bend County, Rev 2011.

## **FINAL DESIGN by IDCUS**

### **TASK I: PROJECT COORDINATION/MANAGEMENT**

- A. Project Management and Administration
- B. Project Coordination
- C. Biweekly Project Meetings (30') with BBI

### **TASK II: ROADWAY & DRAINAGE DESIGN**

- A. Roadway Design
- B. Proposed Roadway Typical Section Sheets
- C. Roadway & Storm Sewer P&P Sheets
- D. Table of Proposed Driveways
- E. Intersection Design / Cross Street P&P Sheets
- F. Public Utility Design (Sanitary Sewer & Water) & Sheets
- G. SWPPP Design & Sheets
- H. Cross Sections
- I. Overall Drainage & Drainage Area Maps
- J. Design Calculations & Drainage Output Sheets
- K. Storm Sewer Lateral Sheets
- L. Culvert Layout
- M. Hydraulic Data Sheet for Culvert
- N. Quantity Take-Off & Construction Cost Estimate

## **FINAL DESIGN by SUBCONSULTANT**

### **TASK III: FINAL DESIGN SERVICES BY HALFF ASSOCIATES, INC.**

- A. Develop Traffic Control Plans.
- B. Develop Signing & Paving Marking Plans.

### **TASK IV: FINAL DESIGN & CONSTRUCTION SERVICES (No longer applicable) BY LJA ENGINEERING, INC.**

- A. Bridge Design.
- B. Construction Services.
- C. Coordination.

## **LEVEL A SUE by SUBCONSULTANT**

### **TASK V: LEVEL A SUE BY HALFF ASSOCIATES, INC.**

- A. Provide Level A Sue Test Holes for up to 12 locations.

**FORT BEND COUNTY MOBILITY PROJECT  
RICHMOND STREET  
FEE SCHEDULE**



<b>FINAL DESIGN SERVICES - IDCUS</b>	
TASK I: DESIGN PHASE - PROJECT COORDINATION/MANAGEMENT BY IDCUS	\$ 9,468.00
TASK II: ROADWAY & DRAINAGE DESIGN BY IDCUS	\$ 106,482.00
<b>SUBTOTAL PHASE I:</b>	<b>\$ 115,950.00</b>

<b>FINAL DESIGN SERVICES - SUBCONSULTANTS</b>	
TASK III: TRAFFIC CONTROL PLANS and SIGNING & PAVEMENT MARKINGS BY HALFF	\$ 9,775.00
<b>SUBTOTAL PHASE I:</b>	<b>\$ 9,775.00</b>

<b>FINAL DESIGN &amp; CONSTRUCTION SERVICES (NO LONGER APPLICABLE)</b>	
TASK IV: DESIGN PHASE - BRIDGE DESIGN BY LJA	\$ (23,400.00)
TASK IV: BID & CONSTRUCTION SERVICES BY LJA	\$ (5,000.00)
TASK IV: COORDINATION BY LJA	\$ (840.00)
<b>SUBTOTAL PHASE I:</b>	<b>\$ (29,240.00)</b>

<b>LEVEL A SUE SERVICES - SUBCONSULTANTS</b>	
TASK V: SUE SERVICES BY HALFF	\$ 37,939.00
<b>SUBTOTAL PHASE III:</b>	<b>\$ 37,939.00</b>

<b>SUMMARY</b>	
TOTAL SERVICES	\$ 134,424.00
<b>GRAND TOTAL (PHASE I + PHASE II + PHASE III):</b>	<b>\$ 134,424.00</b>



FORT BEND COUNTY MOBILITY PROJECT  
 RICHMOND STREET  
 FEE SCHEDULE



TASK DESCRIPTION	MANAGEMENT			ENGINEERING			SUPPORT			TOTAL LABOR HOURS	TOTAL LABOR COST	NO. OF SHEETS
	Principal Manager	Project Manager	QC Manager	Senior Engineer	Project Engineer	EIT	CADD Designer	CADD Tech.	Clerical			
<b>TASK I: DESIGN PHASE - PROJECT COORDINATION/MANAGEMENT BY IDCUS</b>												
A. Project Management and Administration	2	4								6	\$ 1,650.00	
B. Project Coordination With Sub-Consultants	2	3		1	3					9	\$ 2,184.00	
C. Project Coordination Meeting (30' Bi-Weekly) With BBI	3	6		3						12	\$ 3,150.00	
D. Project Meetings	2	4		2	2					10	\$ 2,484.00	
<b>Total Man-Hours</b>	<b>9</b>	<b>17</b>		<b>6</b>	<b>5</b>					<b>37</b>		
Raw Salary / Rate	\$ 97.00	\$ 89.00	\$ 80.00	\$ 75.00	\$ 64.00	\$ 50.00	\$ 47.00	\$ 25.00	\$ 24.00			
Billing Rate w/ 3.0 Multiplier)	\$ 291.00	\$ 267.00	\$ 240.00	\$ 225.00	\$ 192.00	\$ 150.00	\$ 141.00	\$ 75.00	\$ 72.00			
<b>Total</b>	<b>\$ 2,619.00</b>	<b>\$ 4,539.00</b>	<b>\$ -</b>	<b>\$ 1,350.00</b>	<b>\$ 960.00</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>		<b>\$ 9,468.00</b>	

TASK DESCRIPTION	MANAGEMENT			ENGINEERING			SUPPORT			TOTAL LABOR HOURS	TOTAL LABOR COST	NO. OF SHEETS
	Principal Manager	Project Manager	QC Manager	Senior Engineer	Project Engineer	EIT	CADD Designer	CADD Tech.	Clerical			
<b>TASK II: ROADWAY &amp; DRAINAGE DESIGN BY IDCUS</b>												
A. Roadway Design	1	2	1	2	3	6	6	3		24	\$ 4,062.00	
B. Proposed roadway typical section sheets	1	1	1	1	1	1	6	2		14	\$ 2,361.00	2
C. Roadway & Storm Sewers P&P Sheets	1	4	1	10	10	10	40	50		126	\$ 16,659.00	10
D. Proposed Driveway design and table		2	1	2	2	3	12	10		32	\$ 4,500.00	1
E. Intersection Layout Sheets	1	2	1	4	10	8	20	20		66	\$ 9,405.00	3
F. Public Utility Design (Sanitary Sewer & Water)	1	1	1	2	3	2	8	12		30	\$ 4,152.00	6
G. SWPPP Design and Sheets	1	1	1	1	2	2	8	8		24	\$ 3,435.00	5
H. Cross Sections (@ 100' interval) & Earthwork	1	2	1	4	20	9	10	9		56	\$ 9,240.00	24
I. Overall Drainage & Drainage Area Maps	1	2	1	4	16		24	16		64	\$ 9,621.00	4
J. Design Calculations & Drainage Output Sheets	1	2	1	2	12		30	32		80	\$ 10,449.00	8
K. Storm Sewer Laterals Sheets	1	2	1	1	4	4	50	40		103	\$ 12,708.00	8
L. Culvert Layout	1	2	1	4	8	8	8	8		40	\$ 6,429.00	1
M. Hydraulic Data Sheet For Culvert	1	1	1	1	1	2	3	4		14	\$ 2,238.00	1
N. Quantity Take-Off & Construction Cost Estimate	1	16	2	12	6	8	8			53	\$ 11,223.00	
<b>Total Man-Hours</b>	<b>13</b>	<b>40</b>	<b>15</b>	<b>50</b>	<b>98</b>	<b>63</b>	<b>233</b>	<b>214</b>		<b>726</b>		
Raw Salary / Rate	\$ 97.00	\$ 89.00	\$ 80.00	\$ 75.00	\$ 64.00	\$ 50.00	\$ 47.00	\$ 25.00	\$ 24.00			
Billing Rate w/ 3.0 Multiplier)	\$ 291.00	\$ 267.00	\$ 240.00	\$ 225.00	\$ 192.00	\$ 150.00	\$ 141.00	\$ 75.00	\$ 72.00			
<b>Total</b>	<b>\$ 3,783.00</b>	<b>\$ 10,680.00</b>	<b>\$ 3,600.00</b>	<b>\$ 11,250.00</b>	<b>\$ 18,816.00</b>	<b>\$ 9,450.00</b>	<b>\$ 32,853.00</b>	<b>\$ 16,050.00</b>	<b>\$ -</b>		<b>\$ 106,482.00</b>	



## Additional Services Confirmation

**To:** Hung Nguyen, P.E.  
IDCUS  
15915 Katy Freeway, Suite 300  
Houston, Texas 77094

**Date:** March 29, 2024

**From:** Ashley Purkey, PE Halff  
[aPurkey@halff.com](mailto:APurkey@halff.com)

**AVO:** 043604.001

**Project:** Richmond Street  
2020 Mobility Bond Project No. 20118

Per your email dated March 21, 2024, we understand that you would like Halff Associates (Halff) to revise the Traffic Control Plans and Signing and Pavement Markings sheets to reflect the revised roadway section that reduces the total proposed pavement width from 40-feet to 33-feet.

We request **\$9,775.00** to perform these additional services. Attachment A includes scope of services and fee estimate based on the additional scope items that are required.

We trust this proposal meets your requirements for this project. We appreciate the opportunity to be of service to you and trust that our continued association on this project will be mutually beneficial. Please feel free to contact me if you have any questions or comments concerning this matter. We request your signature below to confirm the scope and fee.

**By:** \_\_\_\_\_  
(Print name)

**Title:** \_\_\_\_\_

**Signature: \_\_\_ Date:**

\_\_\_\_\_



Attachments: Attachment A – Scope of Services and Compensation

SIGNED:

*Ashley Purkey*

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ATTACHMENT B – LEVEL A SUE PROPOSAL BY HALFF & ASSOCIATES



July 30, 2024  
AVO 43604.001

Attn: Mr. Hung Nguyen  
IDCUS

RE: **Proposal for SUE Level 'A' Utility Test Hole Services for Richmond St**

Dear Mr. Nguyen,

Halff is pleased to submit this proposal for the professional SUE services shown above. Please see the Scope of Work below.

**SUE Level 'A' Utility Test Holes**

Halff will provide these SUE Level A services for twelve (12) test hole at location determined by the client. Halff will perform these services in accordance with ASCE 38-22. See attached SUE Scope of Work.

- The **FEE for the SUE Level 'A' Utility Test Hole services** shall be on Specified Rate basis with a fee Not to Exceed **\$37,939.00**.

We trust this proposal is satisfactory and appreciate the opportunity to be of service to you. If this proposal meets with your approval, please sign and date in the spaces provided below and return one copy as your order to proceed and approval of the budget.

Yours very truly,  
HALFF

A handwritten signature in blue ink that reads "Carolyn S Brown".

Carolyn S Brown, PE  
SUE/UC Team Leader

## SCOPE OF SERVICES (EXHIBIT A)

Client: IDCUS

City/County: Needville/Fort Bend

Project: Richmond St

Halff will perform Subsurface Utility Engineering (SUE) in accordance with ASCE/UESI/CI 38-22 "Standard Guideline for Investigating and Documenting Existing Utilities." 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 twelve (12) test holes will be performed on various utilities at locations specified by the Client within the project limits (See Attachment A for project limits). Halff will cut up to a 12-in. 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/non-tonable utilities depicted as Quality Level-D where the horizontal location is assumed, Halff will coordinate with the 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 the Client 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/non-toneable utilities, Halff cannot guarantee all utilities scheduled for a test hole will be found and marked.

**Quality Level-C Utility Survey:**

Quality Level-A Test Hole locations (iron rod with cap or “x-cut”) will be surveyed and tied utilizing project survey control provided by the Client.

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

Available utility records will be provided to Halff by the Client. 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, or access to insert a tracer line, the approximate location of the utility may be determined using utility records and oral recollections. In these areas, the information will be considered Quality Level-D.

**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, KMZ, 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 the Client. Halff will coordinate with property owner(s) once right of entry has been obtained.

**Permitting:**

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

**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 hole 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 by the Client, 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 the Client and submit a supplemental agreement for authorization prior to proceeding with additional work.

**Schedule:**

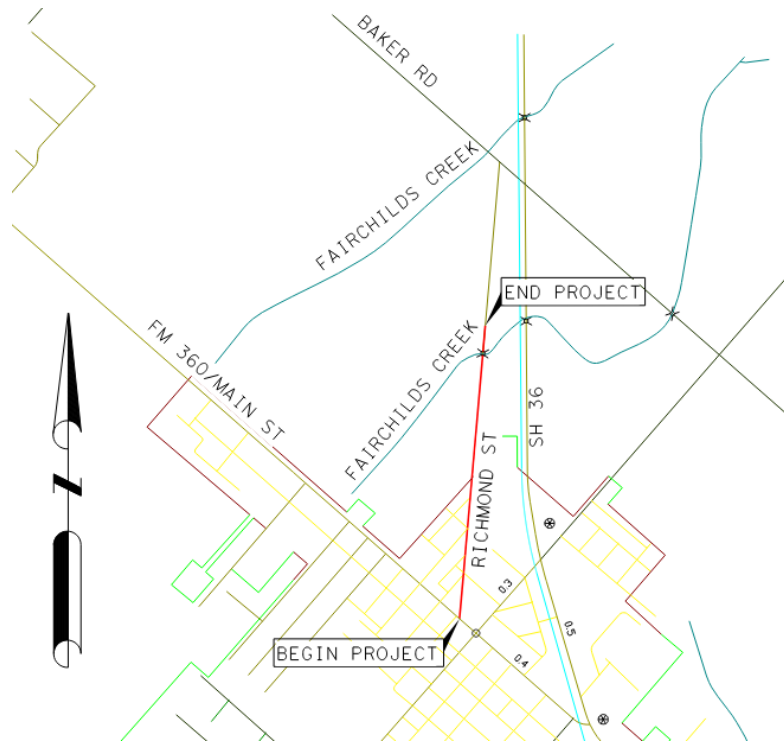
Halff will complete the Quality Level-A Test Hole services within Sixty (60) calendar days upon days receipt of written notice to proceed, a copy of the test hole layout from the Client and approved permits from City, County, and/or TxDOT.



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.

### ATTACHMENT A



## WORK PLAN (EXHIBIT B)

### I. POT HOLING (VACUUM EXCAVATION) (QL-A)

Description	Quantity	Authorized Rate	Unit	Estimated Cost
Designating 1-Man Crew	0	\$120.00	hour	\$0.00
Designating 2-Man Crew	0	\$240.00	hour	\$0.00
Potholing 2-Man Crew	72	\$340.00	hour	\$24,480.00
QC Manager	2	\$315.00	hour	\$630.00
Project Manager	4	\$252.00	hour	\$1,008.00
SUE Manager	12	\$163.00	hour	\$1,956.00
SUE Field Manager	30	\$131.00	hour	\$3,930.00
EIT	0	\$126.00	hour	\$0.00
RPLS	1	\$185.00	hour	\$185.00
Survey Tech	2	\$105.00	hour	\$210.00
Sr CADD Tech	4	\$131.00	hour	\$524.00
CADD Tech	14	\$110.00	hour	\$1,540.00
Survey Crew 2-Man	8	\$200.00	hour	\$1,600.00
Sr Contract Specialist	1	\$126.00	hour	\$126.00

Subtotal: **\$36,189.00**

### II. MISCELLANEOUS

Task	Quantity	Authorized Rate	Unit	Estimated Cost
Certified Traffic Control w/o Flaggers	1	\$1,750.00	day	\$1,750.00

Subtotal: **\$1,750.00**

**TOTAL \$37,939.00**

Note: This is an estimate based upon the anticipated hours and personnel categories to perform Quality Level-D Utility Records Research through Quality Level-A Test Holes requested within the project limits. Due to the unknown timing of project approval and personnel availability, Halff will invoice actual hours worked and personnel categories utilized, in accordance with the attached 2024 Halff SUE Rate Schedule. If quantities are exceeded or additional test holes are required, Halff will notify IDCUS for authorization and submit a supplemental agreement to increase the fee prior to proceeding with any additional work.