

September 26, 2023

Mr. Khapel Akbari, PE
Transportation Project Manager
Capital Engineering & Construction
Stafford County Public Works
2128 Jefferson Davis Highway, Suite 103
Stafford, VA 22554

RE: Request for Professional Services
County of Stafford, Virginia
Staffordboro Sidewalk Change Order #2

Dear Mr. Akbari:

We are pleased to submit this proposal to provide engineering services for the subject project. The scope of work has been prepared based on discussions with the County and follow-up emails. Our detailed scope of services and fee proposal, including man-hour estimates, cost & price summaries, and subconsultant fees are enclosed for your review.

Your prompt review and approval of this proposal is requested. If you have any questions or require additional information, please feel free to contact our project Manager, Ian Millikan, at 804-366-0169 or imillikan@wallacemontgomery.com.

Sincerely,

WALLACE, MONTGOMERY & ASSOCIATES, LLP

for

Antonio A. Mawry, P.E.
Partner



**ENGINEERING
SCOPE OF SERVICES &
FEE PROPOSAL**

for

**Staffordboro Sidewalk
(Juggins Connector Road to Pike Place)
VDOT Project No. EN20-089-771, UPC# 117937**

Change Order #2

September 26, 2023

Submitted To: Stafford County
Department of Capital Projects
Transportation Engineering Division

Submitted By: Wallace Montgomery, LLP
2920 West Broad Street, Suite 18
Richmond, Virginia 23230
804-366-0169



TABLE OF CONTENTS

CHANGE ORDER DESCRIPTION	3
BUDGET AND MAJOR MILESTONE SCHEDULE	3
Quality Level A Utility Test Holes (BUDGETED AMOUNT)	3
Deliverables.....	3
APPENDIX A – QUALITY LEVEL A UTILITY TEST HOLE LOCATIONS	4
APPENDIX B – CHANGE ORDER SUMMARY	5
APPENDIX C – FEE BREAKDOWN.....	6

CHANGE ORDER DESCRIPTION

The original scope and fee proposal for the Staffordboro Sidewalk project included three (3) Quality Level A Utility test holes based on our preliminary assessment of the potential utility conflicts. This was identified as a budgeted amount because actual utility conflicts are difficult to predict. During the final design stages of the project, it was agreed that ten (10) Quality Level A Utility test holes should be performed in order to properly verify the location of underground utilities, eliminate conflicts where possible, and identify utilities that remained in conflict and required relocation.

This change order is for the additional seven (7) Quality Level A Utility test holes that were required.

This project is funded with federal funds.

BUDGET AND MAJOR MILESTONE SCHEDULE

Unless otherwise stated, Wallace Montgomery, LLP is responsible for providing all information and performing all tasks listed herein for the lump sum price of ten thousand four hundred and five dollars and twenty-nine cents (\$10,405.29) and in accordance with the following Major Milestone Schedule:

Complete Quality Level A Test Holes

Two Weeks After NTP

Quality Level A Utility Test Holes (BUDGETED AMOUNT)

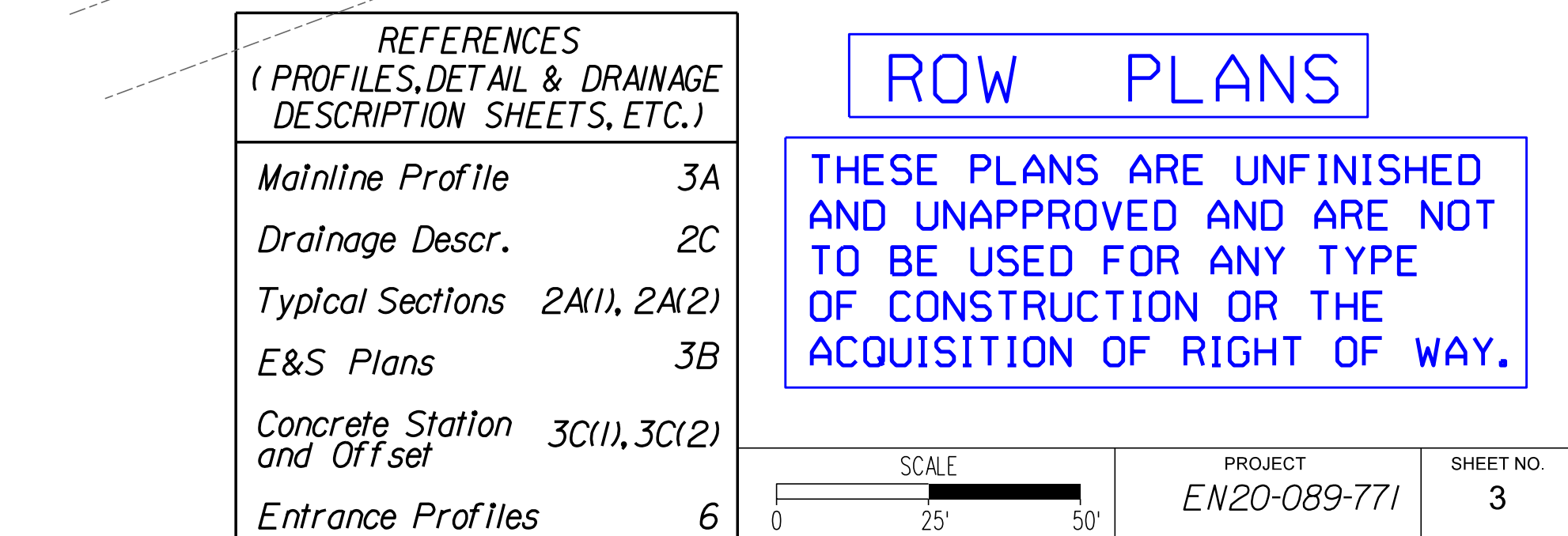
An additional seven (7) Quality Level A Utility Test Holes will be performed by Accumark and included in the Utility Test Hole Report. The cost for any travel, traffic control and/ or permits required to perform the seven (7) additional utility test holes is included in this price. The proposed location of the seven (7) additional utility test holes will be identified on a map or plan sheet and provided to Stafford County for review and approval prior to any utility test holes being performed. This is included as Appendix A.

Deliverables

- Utility Test Hole Data Sheet

APPENDIX A – QUALITY LEVEL A UTILITY TEST HOLE LOCATIONS

		REVISED	STATE	STATE		SHEET NO.
			VA.	ROUTE	PROJECT	
				684	EN20-089-771, PE101,RW201,C501	
		DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT				
Wallace Montgomery Richmond, Virginia ROADWAY ENGINEER	Hassan Water Resources Maidens, Virginia HYDRAULIC ENGINEER					



PROJECT MANAGER: K. Chapel & K. P. E. (540) 658-4610
SURVEYED BY, DATE: Accumark, Inc., 03/01/2022
DESIGN BY: Ian S. Williams, P.E., Wallace Montgomery
SUBSURFACE UTILITY BY, DATE: Accumark, Inc., February 2022

REVISED	STATE	ROUTE	PROJECT	SHEET NO.
	VA.	684	EN20-089-771, RW201,C501	4

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

Wallace Montgomery
Richmond, Virginia
ROADWAY ENGINEER

Hassan Water Resources
Maidens, Virginia
HYDRAULIC ENGINEER

Curve C-2
PI = 106+11.01
DELTA = 21°20'34.64" (RT)
D = 08°14'34.84"
T = 130.98'
L = 130.98'
R = 695.08'
PC = 104+80.04
PT = 107+38.96
V = 30 MPH
e = MATCH EX.

Curve C-3
PI = 112+75.93
DELTA = 04°34'16.40" (RT)
D = 05°18'54.83"
T = 43.02'
L = 86.00'
R = 1,077.95'
PC = 112+32.91
PT = 112+75.93
V = 30 MPH
e = MATCH EX.

Curve C-4
PI = 114+02.75
DELTA = 06°52'17.42" (LT)
D = 04°06'10"
T = 83.84'
L = 167.49'
R = 1,396.52'
PC = 113+18.91
PT = 114+86.40
V = 30 MPH
e = MATCH EX.

003
SUNNINGDALE MEADOWS
CONDOMINIUM
PHASE 1
DB: 705 PG: 311
39,559 SQ. FT.
T.M. *21-G-1

004
SUNNINGDALE MEADOWS
CONDOMINIUM
PHASE 3
DB: 705 PG: 311
29,178 SQ. FT.
T.M. *21-G-3

005
SUNNINGDALE MEADOWS
CONDOMINIUM
PHASE 26
DB: 705 PG: 311
38,835 SQ. FT.
T.M. *21-G-26

006
FOXWOOD MHC, LLC
INST. *120012180
INST. *040004675
62,785.2 ACRES
T.M. *21-8C

Match Line Sta. 107+25.00 Sheet 03

Any damage to the private bus stop
shall be at the Contractor's expense.

Match Line Sta. 114+25.00 Sheet 05

ROW PLANS

THESE PLANS ARE UNFINISHED
AND UNAPPROVED AND ARE NOT
TO BE USED FOR ANY TYPE
OF CONSTRUCTION OR THE
ACQUISITION OF RIGHT OF WAY.

- Legend
- Denotes Construction Limits in Cut
 - Denotes Construction Limits in Fill
 - Denotes Mill and Overlay Pavement
 - Denotes Concrete Pavement
 - Denotes Full Depth Pavement
 - Denotes Demolition of Pavement
 - Denotes Proposed Right of Way
 - Denotes Temporary Construction Easement
 - Denotes Permanent Drainage Easement

Incidental Legend

- St'd. CG-6 Req'd.
- St'd Rad. CG-6 Req'd.
- St'd CG-12 Curb Ramp Type B Req'd
- St'd CG-12 Curb Ramp Type C Req'd
- Mod. CG-12 Curb Ramp Type B Req'd
- Remove and Reset Existing Fence
- Abandon Existing Pipe
- Remove Structure
- Remove Pipe

REFERENCES
(PROFILES, DETAIL & DRAINAGE
DESCRIPTION SHEETS, ETC.)

Mainline Profile	4A
Drainage Descr.	2B
Typical Sections	2A(1), 2A(2)
E&S Plans	4B
Concrete Station and Offset	4C
Entrance Profiles	6

DSTREAN
TION ONE
RCEL "C"
*06000244

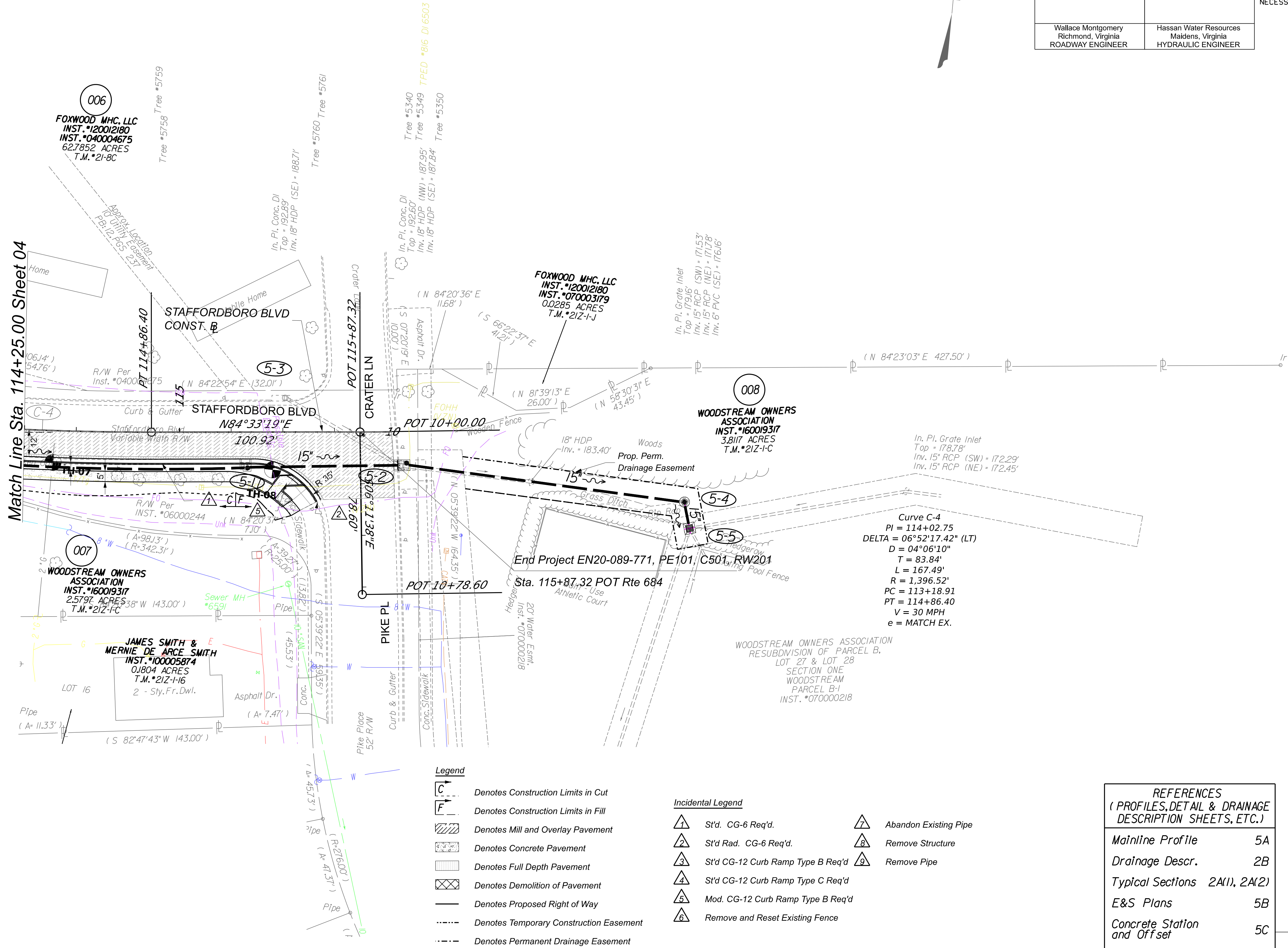
SCALE
0 25 50'

PROJECT
EN20-089-771

SHEET NO.
4

PROJECT MANAGER K. Chapel Akbari, P.E. (540) 658-4610
SURVEYED BY, DATE Accumark, Inc., 03/01/2022
DESIGN BY Ian S. Mullan, P.E., Wallace Montgomery
SUBSURFACE UTILITY BY, DATE Accumark, Inc., February 2022

		REVISED	STATE	STATE		SHEET NO.
				ROUTE	PROJECT	
			VA.	684	EN20-089-771, PE101, RW201, C501	
DESIGN FEATURES RELATING TO CONSTRUCTION OR TO REGULATION AND CONTROL OF TRAFFIC MAY BE SUBJECT TO CHANGE AS DEEMED NECESSARY BY THE DEPARTMENT						
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REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)	
Mainline Profile	5A
Drainage Descr.	2B
Typical Sections	2A(1), 2A(2)
E&S Plans	5B
Concrete Station and Offset	5C
Entrance Profiles	6

APPENDIX B – CHANGE ORDER SUMMARY

PO # 221028.0001

CHANGE ORDER # 2

PROJECT: Staffordboro Sidewalks
CLIENT: Stafford County
DATE: September 26, 2023

THE FOLLOWING CHANGES TO THE SCOPE OF SERVICES HAVE BECOME NECESSARY

DESCRIPTION OF CHANGE(S)	FEE
1. Additional Utility Test Holes	\$ 10,405.29
2.	\$
3.	\$
TOTAL FEE ADJUSTMENT FOR ABOVE SERVICES:-----	\$ 10,405.29

FEE SUMMARY

	DATE APPROVED	FEE
ORIGINAL FEE	December 21, 2021	\$ 413,356.54
CHANGE ORDER #1	March 28, 2023	\$ 7,628.08
CHANGE ORDER #2		\$ 10,405.29
TOTAL		\$ 431,389.91

FOLLOWING THE PROCESSING OF CO #2, THE CUMULATIVE CO AMOUNT IS **4.4%**
OF THE ORIGINAL FEE

APPENDIX C – FEE BREAKDOWN

Change Order is the result of additional budget items being added to the scope of work.

Budget Item Amount in Original Scope and Fee Proposal: \$1486.47 per test hole.

7 additional Quality Level A Utility Test Holes

$\$1486.47 \times 7 = \$10,405.29$