

November 28, 2023

Mr. Bryan Simmons
Arkansas River Conservancy District
12250 CR FF, 75
Las Animas, CO 81054

Re: Invoice #8 - Las Animas Levee – Task Order #2 (AECOM Project Number 60703549)

Dear Mr. Simmons:

This progress report describes the work completed from October 28, 2023 through November 24, 2023 for services related to levee assessment activity.

ACTIVITIES COMPLETED DURING THIS PERIOD.

- AECOM performed additional surveying activities to obtain last remaining data. Processing of survey data has been performed to incorporate into project documents and serve as a basis for future deliverables and evaluations.
- AECOM completed soil boring program in general accordance with the Geotechnical Investigation Plan. Exploration program was executed in allotted time. Subcontractor invoice is included on this invoice, the majority of AECOM labor for soil borings was previously submitted on earlier invoice.
- AECOM reviewed field data from soil boring program and developed laboratory testing program. Laboratory is under contract, samples have been delivered, and testing is underway.
- Freeboard analysis is underway.
- CAD drawings including plan and profile drawings for use in analyses have been developed and are in process of being finalized.

OUT OF SCOPE ACTIVITIES

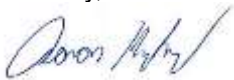
- None

FEE SUMMARY

Through November 24, 2023 the project budget is approximately sixty-eight percent (68%) expended.

Please feel free to give me a call at (616) 799-2866 if you have any questions.

Sincerely,



Aaron Humphrey, PE
Project Manager
AECOM

IMPORTANT REMITTANCE INFORMATION

Please include the AECOM invoice number when sending payment

INVOICE NUMBER: 2000828558

Invoice Date: 28-NOV-23

Invoice Due Date: 28-DEC-23

Amount Due: \$62,945.17 USD

Project Number: 60703549

To process your payment timely and ensure credit is given, please include the AECOM invoice number when sending payment. Including this invoice number will allow AECOM to promptly apply your payment without delay or additional information requests placed upon your organization.

Failure to reference the AECOM invoice number when sending payment may result in delay of your account being credited.

To expedite payment processing, AECOM is asking its clients to submit payments electronically by ACH (Automated Clearing House) if possible.

ACH payments provide an alternative to paper checks, affording you the following advantages:

- Certainty of delivery
- Reduced operating costs through the elimination of paper check mailing

Regards,

AECOM Cash Application Department
CashAppsRemittance@aecom.com

Check Payment to:
AECOM Technical Services, Inc.
An AECOM Company
1178 Paysphere Circle
Chicago, IL 60674

ACH Payment to:
AECOM Technical Services, Inc.
An AECOM Company
Bank of America
Account Number 5800937020
ABA Number 071000039

Wire Transfer Payment to:
AECOM Technical Services, Inc.
An AECOM Company
Bank of America
New York, NY 10001
Account Number 5800937020
ABA Number 026009593
SWIFT CODE BOFAUS3N



717 17th Street, Suite 1650, Denver, CO 80202
Tel: 303-228-3000
Fax: 303-694-3946

Federal Tax ID No. 95-2661922

ATTN : Bryan Simmons
Arkansas Water Conservancy District
12250 CR FF, 75
Las Animas, CO 81054
United States

Invoice Date: 28-NOV-23
Invoice Number: 2000828558

Payment Term: 30 DAYS

Please reference Invoice Number and Project Number with Remittance

Project Number : 60703549
Bill Through Date : 28-OCT-23 - 24-NOV-23

Project Name : Las Animas Levee TO No. 2

Task Number : A

Task Name : Project Management

Labor Bill Rate

Employee Name/Title	Title/Expenditure	Date	Hours	Bill Rate	Billed Amt
Humphrey, Aaron M	Project Manager	03-NOV-23	1.00	221.84	221.84
Humphrey, Aaron M	Project Manager	10-NOV-23	0.50	221.84	110.92
Humphrey, Aaron M	Project Manager	17-NOV-23	1.50	221.84	332.76
Humphrey, Aaron M	Project Manager	24-NOV-23	0.50	221.84	110.92
Virtue, Carla D	Project Controls	17-NOV-23	0.50	101.20	50.60
Total Labor Bill Rate			4.00		827.04

Task Total : Project Management

827.04

Task Number : B1

Task Name : Survey

Labor Bill Rate

Employee Name/Title	Title/Expenditure	Date	Hours	Bill Rate	Billed Amt
Moreno, Eduardo Gabriel (Eddie)	CAD/GIS	10-NOV-23	6.00	136.46	818.78
Moreno, Eduardo Gabriel (Eddie)	CAD/GIS	17-NOV-23	17.50	136.46	2,388.10
Moreno, Eduardo Gabriel (Eddie)	CAD/GIS	24-NOV-23	7.50	136.46	1,023.46
Total Labor Bill Rate			31.00		4,230.34

Unit Billing

Expenditure Type	Employee/Vendor Name	Date	Quantity	UOM	Bill Rate	Billed Amt
Vehicle mileage charges	US ACM ZERO AP	03-NOV-23	496.2	EACH	1.10	545.86

Total Unit Billing

545.86

Task Total : Survey

4,776.20

Task Number : B2.3

Task Name : Geotech Borings/Lab

Labor Bill Rate

Employee Name/Title	Title/Expenditure	Date	Hours	Bill Rate	Billed Amt
Humphrey, Aaron M	Project Manager	10-NOV-23	0.50	221.84	110.92
Pahwa, Prince	Geotechnical Engineer	10-NOV-23	1.00	189.34	189.34
Total Labor Bill Rate			1.50		300.26

Reimbursable

Expenditure Type	Employee/Vendor Name	Date	Inv Number	Raw Cost	Multiplier	Billed Amt
Outside Contractors Fees	AUTHENTIC DRILLING INC	31-OCT-23	1866	49,306.25	1.1000	54,236.88
Total Reimbursable				49,306.25		54,236.88

Task Total : Geotech Borings/Lab

54,537.14

Task Number : B2.4

Task Name : Geotech Data Report

Labor Bill Rate					
<u>Employee Name/Title</u>	<u>Title/Expenditure</u>	<u>Date</u>	<u>Hours</u>	<u>Bill Rate</u>	<u>Billed Amt</u>
Humphrey, Aaron M	Project Manager	24-NOV-23	2.00	221.84	443.65
Total Labor Bill Rate			2.00		443.65
Task Total : Geotech Data Report					443.65

Task Number : C

Task Name : Freeboard Analysis

Labor Bill Rate					
<u>Employee Name/Title</u>	<u>Title/Expenditure</u>	<u>Date</u>	<u>Hours</u>	<u>Bill Rate</u>	<u>Billed Amt</u>
Moreno, Eduardo Gabriel (Eddie)	CAD/GIS	03-NOV-23	4.00	136.46	545.85
Steininger, Andrew Phillip (Andy)	Hydraulic Engineer	10-NOV-23	2.00	134.16	268.33
Steininger, Andrew Phillip (Andy)	Hydraulic Engineer	17-NOV-23	1.00	134.16	134.16
Steininger, Andrew Phillip (Andy)	Hydraulic Engineer	24-NOV-23	5.00	134.16	670.76
Total Labor Bill Rate			12.00		1,619.10
Task Total : Freeboard Analysis					1,619.10

Lump Sum

<u>Description</u>	<u>Billed Amt</u>
Profit 10%	742.04
Total Lump Sum	742.04

Project Total : Las Animas Levee TO No. 2

62,945.17

Invoice Summaries

Total Current Amount :	62,945.17
Retention Amount :	0.00
Pre-Tax Amount :	62,945.17
Tax Amount :	0.00
Total Invoice Amount :	62,945.17

Billing Summaries

<u>Billing Summary</u>	<u>Current</u>	<u>Prior</u>	<u>Total</u>	<u>Limit</u>	<u>Remain</u>
Billings	62,945.17	232,727.13	295,672.30	431,922.44	136,250.14
Tax	0.00	0.00	0.00		
Billing Total :	62,945.17	232,727.13	295,672.30		

AECOM Vehicle Mileage Log - West Region (Short-Term /Multiple Project Vehicles (Overhead)

VIN (last 6): F23827
Year / Make: 2014 Ford F150
Plate: 981RQH
State: Colorado
City: Denver
Business Line: Transportation
Month: September
Week Ending: 9/30/2023

Directions for Submitting:

Log in to Employee center: <https://aecom.servicenowservices.com/employeecenter>
Submit a Request : Project Accounting Services then Project Accounting Request
Select ZAP Entry as Icon:
Select US West as region
Add your instructions in the comment box
Upload attachments by clicking the Add attachments button or clip icon
Submit to generate the case number

Approver: AFM: Transportation- Nancy Xue; BAP, PPM: Nancy Edgar; Water - Mindy Kavanaugh; ENV - Ilona Berman

Credit CH # 04191697.01
Credit Expenditure Type: Usage - Mileage

Please list the number where the vehicle costs are being charged (use the vehicle OH task code #97 for credits) This number will be credited through the ZAP process.

DATE	VEH #	BEGINNING MILEAGE	ENDING MILEAGE	MILES	Rate	PROJECT	TASK	JOB	EMPLOYEE	EMPLOYEE
								NAME	NAME	NUMBER
9/1/2023	11	147680.9	147724.4	43.5	0.655	60707985 - TO 20100-Fie	TO #1	Jordan Denise		722026
9/5/2023	11	147724.4	147907.6	183.2	0.655	60703549 - Las B1-Survey	Las An	Jordan Denise		722026
9/9/2023	11	147907.6	147957.0	49.4	0.655	60703549 - Las B1-Survey	Las An	Jordan Denise		722026
9/13/2023	11	147957.0	148002.0	45.0	0.655	60710059 - AV 1.4-Proje	AVC S	Jordan Denise		722026
9/14/2023	11	148002.0	148195.4	193.4	0.655	60710059 - AV 1.4-Proje	AVC S	Jordan Denise		722026
9/15/2023	11	148195.4	148421.2	225.8	0.655	60710059 - AV 1.4-Proje	AVC S	Jordan Denise		722026
9/20/2023	11	148421.2	148451.2	30.0	0.655	60707985 - TC 20100-Fie	TO #1	Jordan Denise		722026
9/21/2023	11	148451.2	148620.5	169.3	0.655	60653998 - NE 23/24 - 61	NISP C	Jordan Denise		722026
9/22/2023	11	148620.5	148847.8	227.3	0.655	60653998 - NE 23/24 - 61	NISP C	Jordan Denise		722026
9/26/2023	11	148847.8	148866.2	18.4	0.655	60707985 - TC 20100-Fie	TO #1	Jordan Denise		722026
9/29/2023	11	148866.2	148907.7	41.5	0.655	60707985 - TC 20100-Fie	TO #1	Jordan Denise		722026
INSERT ROWS ABOVE THIS LINE IF NEEDED										
Beginning Mileage:				147680.9						
Ending Mileage:				148907.7	cross					
Total Miles Driven This Month:				1226.8	check					

Mileage rate - 2023	0.655
Mileage rate - 2nd half 2022	0.625

Sum of MILES					
PROJECT	TASK	Total	Miles	Rate	Amount
60653998 - NISP Glade Final Design	23/24 - 6121-30%/60% Poudre R Div	396.6	396.6	0.655	259.77
60703549 - Las Animas Ph2 Assessment TO2	B1-Survey	232.6	232.6	0.655	152.35
60707985 - TO #1 Academy to Circle Survey	20100-Field Survey	133.4	133.4	0.655	87.38
60710059 - AVC Spurs	1.4-Project Control	464.2	464.2	0.655	304.05
Grand Total		1226.8		Total	403.55

AECOM Vehicle Mileage Log - West Region (Short-Term /Multiple Project Vehicles (Overhead)

VIN (last 6): C63021
Year / Make: 2015 Ford F250
Plate: B1Y622
State: Colorado
City: Denver
Business Line: Transportation
Month: September
Week Ending: 9/30/2023

Credit OH # 04191697 91

Credit Expenditure Type: Usage - Mileage

Directions for Submitting: Log in to Employee center: <https://aecom.servicenowservices.com/employeecenter>
Submit a Request : Project Accounting Services then Project Accounting Request

Select ZAP Entry as topic
Select US West as region
Add your instructions in the comment box
Upload attachments by clicking the Add attachments button or clip icon
Submit to generate the case number

Approver: AFM - Transportation- Nancy Xue; B+P, PFM -Nancy Edgar; Water - Mindy Kavanaugh; ENV - Rona Berman

Please list the number where the vehicle costs are being charged (use the vehicle OH task code #61 for credits) This number will be credited through the ZAP process.

DATE	VEH #	BEGINNING MILEAGE	ENDING MILEAGE	MILES	Rate	PROJECT	TASK	JOB NAME	EMPLOYEE NAME	EMPLOYEE NUMBER
9/5/2023	54	119528.0	119616.0	88.0	0.655	60568109 - Gr	303.5211-ROW		Cody Shaw	694514
9/5/2023	54	119616.0	119823.0	207.0	0.655	60703549 - La	B1-Survey	Las An	Cody Shaw	694514
9/6/2023	54	119823.0	119882.0	59.0	0.655	60703549 - La	B1-Survey	Las An	Cody Shaw	694514
9/7/2023	54	119882.0	119928.0	46.0	0.655	60703549 - La	B1-Survey	Las An	Cody Shaw	694514
9/8/2023	54	119928.0	120141.0	213.0	0.655	60703549 - La	B1-Survey	Las An	Cody Shaw	694514
9/11/2023	54	120141.0	120184.0	43.0	0.655	04191697 - DE	0001-GA	Office	Cody Shaw	694514
9/13/2023	54	120184.0	120226	44.0	0.655	04191697 - DE	0001-GA	Office	Cody Shaw	694514
9/28/2023	54	120226	120276	48.0	0.655	04191697 - DE	0001-GA	Office	Cody Shaw	694514
				0.0	0.655					
				0.0	0.655					
INSERT ROWS ABOVE THIS LINE IF NEEDED										
Beginning Mileage:				119528.0						
Ending Mileage:				120276.0	cross check					
Total Miles Driven this Month:				748.0	748.0					

Mileage rate - 2023	0.655
Mileage rate - 2nd half 2022	0.625

Sum of MILES					
PROJECT	TASK	Total	Miles	Rate	Amount
04191697 - DEPT F499 - BU OVERHEAD	0001- GA Expenses	135	135	0.655	88.43
60568109 - Gross Reservoir Expansion	303.5211-WP4 Monuments	88	88	0.655	57.64
60703549 - Las Animas PH2 Assessment TD2	B1-Survey	525	525	0.655	343.88
Grand Total		748	Total		489.95

Invoice

1866

Invoice Date
October 31, 2023

To	
Bill To	Ship To
AECOM Technical Services Inc.	US - Las Animas, CO - Las Animas Levee
PO Box 203970	Las Animas Levee
Austin TX	Las Animas CO
78720-3970	81054
United States	United States
Buyer Tax ID	
None	
Attn/Ref	
Aaron Humphrey	

From	
Invoice From	Remit To
AUTHENTIC DRILLING INC	Ship From
33555 COUNTY RO	
33555 COUNTY ROAD 37	
KIOWA, CO 80117	
United States	None
	None
Supplier Tax ID	
None	

Invoice Details

Invoice Number	Invoice Date	Payment Term	Payment Due Date
1866	October 31, 2023	PWP+10	
Currency	Contract Number	Date of Supply	
USD		October 31, 2023	
Legal Entity			
AECOM Technical Services, Inc.			

Item	PO	Description	Supplier Part Number	Unit Price	Total
1	1594865-1	Drilling Services		49,306.25 USD	49,306.25 USD

Taxes	
Taxable Amount Charged Per Rate	Total Tax Per Rate
Totals	
Taxable Amount	49,306.25 USD
Amount Excluding Tax	49,306.25 USD
Total Tax	0.00 USD
Total Payable	49,306.25 USD



Date	Invoice #
10/31/2023	1866

Project	CO-2023-3488 Las Animas Levee			
Client PO No	Payment Terms	Drill Dates	Rig	Crew
PO 1594865	Net 30	10/2 - 10/11/23	CME 750X Buggy	IA/KB

	Total	\$49,306.25
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Authentic Drilling Inc.

AECOM

Las Animas Levee

CO-2023-3488

Site City:**Client Job #:**

Client Rep:

Page:

Date:

of

10.2.23

Travel Kiowa, CO. → Las Animas
Site Walk · Unload · water
Mobe
Drill · Grout
mobe
Travel

MISCELLANEOUS

WATER \$

NOTES / COMMENTS

CHANGE ORDER

By initialling an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to:

Recovery of stuck equipment

Lost or damaged tooling

Unmarked utilities

NOTE: Each Shelby Tube requires 20 min. wait time before pulling as per client.

NOTE: Water fill station
4 quarters every 100 g.

CLIENT SIGNATURE _____

DRILLER'S DAILY REPORT

**Authentic
Drilling Inc.**

Client Name: **AECOM**
Project Name: **Las Animas Level**
Authentic Job #: **CO-2073-3488**

Site Address:
Site City: **Las Animas**
Client Job #:

Client Rep:
Page: **1** of **1**
Date: **10.3.23**

TIME			BORING #	DRILL			SAMPLES		GROUT			INSTALLATION			NOTES:		
START	FINISH	HOURS		BIT SIZE	METHOD	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	#	TYPE	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	DEPTH FROM		DEPTH TO	TOTAL FOOTAGE
6:30	7:00	.5															Travel
7:00	7:45	.75															Water • Supplies
7:45	10:30	2.75	G-28	4" 1/4	HSA	0'	30'	30'	8	SPT	30'	0'	30'				Drill • Grout
10:30	10:45	.25															Mobe
10:45	11:30	.75	G-27	4" 1/4	HSA	0'	10'	10'	5	SPT	10'	0'	10'				Drill • Grout
11:30	11:45	.25															Mobe
11:45	2:00	2.25	G-26	4" 1/4	HSA	0'	22.5	22.5	8	SPT	22.5	0'	22.5'				Drill • Grout
2:00	2:15	.25															Mobe
2:15	4:30	2.25	G-25	4" 1/4	HSA	0'	30'	30'	10	SPT	30'	0'	30'				Drill • Grout
4:30	5:15	.75															Travel

CONSUMABLES										MISCELLANEOUS						
INSTALLATIONS			RISER QUANTITY			SCREEN QUANTITY			GROUT SUPPLIES	QTY	SAMPLING SUPPLIES	QTY	SURFACE COMPLETION	QTY	RENTALS	
Dia "	PVC/SS	SCH	5'	10'		5'	10'									
1"	PVC	S40							Sand		Core Boxes (Cardboard)		Flushmount Size "		Trash Pump	✓
									Portland Cement	21	Core Boxes (Wood)		Stick Up Size "		Water Level Indicator	
2"	PVC	S40							Bentonite Chips	5	Uners w/Caps (2" x 4")		Pad		Concrete Core	
									Bentonite Powder		Uners w/Caps (2 1/2" x 6")		Bollards		Steam Cleaner	
4"	PVC	S40							Bentonite Crumbles	2	Shelby Tubes w/Caps	5			Pump - Development	
2"	PVC	Prepack							Bentonite Pellets		Drums - Steel (55 Gal)					
									Asphalt Patch		Disposable Baller					
									Pea Gravel		Shale Trap/Football		SUBCONTRACTORS	✓	Water from Shop	
									Quikrete Concrete		Centralizers				Fill Station	
2.75"	PVC	Inclin													400 G.	✓

CREW/EQUIPMENT SUMMARY					INVOICING SUMMARY			DAMAGED TOOLING		NOTES / COMMENTS	
POSITION		NAME			SERVICES	HOURS	FOOTAGE / QTY				NOTE: Each Shelby Tube requires 20 min. wait time before pulling as per client.
Driller		188ac			Mobe / Demobe	2	92.5"				
Helper #1		Kaden			Drill - Auger	6.75					
Helper #2					Drill - Casing Adv						
DMV EQUIPMENT SUMMARY					Drill - Odex						NOTE: Water fill station 4 quarters every 100g.
Bit #	Core #	Truck #	Truck #	A/C	Drill - Sonic						
150X-1	HT-114	LT-16			Drill - Rotary						
Trailer #	Trailer #	Trailer #	Equip #	Pump Tr	Drill - Coring						
150X-1					Drill - DTH						CHANGE ORDER By Initiating an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to: Recovery of stuck equipment Lost or damaged tooling Unmarked utilities
Use	Skid/Tech	Tractor	Motorcycle	UTV	Site Activities	.75					
					Hole Moves						
					Installation						
					Grout	1.25	92.5"				CLIENT SIGNATURE
					Packer						
					Standby						
					No Charge						
SITE SUMMARY											
PER DIEM	DAY	NIGHT	MESA FUEL	WATER							
Y/N	Y/N	Y/N	GAL	GAL	No Charge						
Y	Y	N			TOTAL	10.75	185				

NOTE: Each Shelby Tube requires 20 min. wait time before pulling as per client.

NOTE: Water fill station 4 quarters every 100g.

CHANGE ORDER
By installing an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to:
Recovery of stuck equipment
Lost or damaged tooling
Unmarked utilities

CLIENT SIGNATURE

DRILLER'S DAILY REPORT

**Authentic
Drilling Inc.**

Client Name: **AECOM**
Project Name: **Las Animas Levee**
Authentic Job #: **CO-2023-3488**

Site Address:
Site City: **Las Animas**
Client Job #:

Client Rep:
Page: **1** of **1**
Date: **10.4.23**

TIME			BORING #	DRILL			SAMPLES		GROUT			INSTALLATION			NOTES:		
START	FINISH	HOURS		BIT SIZE	METHOD	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	#	TYPE	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	DEPTH FROM		DEPTH TO	TOTAL FOOTAGE
6:15	7:15	1															Travel
7:15	8:00	.75															Water • Supplies
8:00	10:00	2															Down Replace Rig Batt.
10:00	11:30	1.5	G-25	4 1/4	HSA	30'	35'	5'	1	SPT	35'	0'	35'				Drill • Grout
11:30	12:15	.75															mobe
12:15	3:00	2.75	G-23	4 1/4	HSA	0'	40'	40'	11	SPT	40'	0'	40'				Drill • Grout
3:00	3:30	.5															mobe
3:30	4:15	.75															Travel

CONSUMABLES										MISCELLANEOUS						
INSTALLATIONS			RISER QUANTITY			SCREEN QUANTITY			GROUT SUPPLIES	QTY	SAMPLING SUPPLIES	QTY	SURFACE COMPLETION	QTY	RENTALS	✓
Dia "	PVC/SS	SCH	5'	10'	—	5'	10'	—	Sand		Core Boxes (Cardboard)		Flushmount Size "		Trash Pump	✓
1"	PVC	S40							Portland Cement	12	Core Boxes (Wood)		Stick Up Size "		Water Level Indicator	
2"	PVC	S40							Bentonite Chips	1	Liners w/Caps (2" x 4")		Pad		Concrete Core	
4"	PVC	S40							Bentonite Powder		Liners w/Caps (2 1/2" x 6")		Bollards		Steam Cleaner	
2"	PVC	Prepack							Bentonite Crumbles	1	Shelby Tubes w/Caps	2			Pump - Development	
									Bentonite Pellets		Drums - Steel (55 Gal)					
									Asphalt Patch		Disposable Baller				WATER \$	
									Pea Gravel		Shale Trap/Football		SUBCONTRACTORS	✓	Water from Shop	
2.75"	PVC	Inclin							Quikrete Concrete		Centralizers				Fill Station	200 G ✓

CREW/EQUIPMENT SUMMARY					INVOICING SUMMARY		DAMAGED TOOLING		NOTES / COMMENTS	
POSITION		NAME			SERVICES	HOURS	FOOTAGE / QTY		<div>NOTE: Each Shelby Tube Requires 20 min wait time before pulling as per client.</div>	
Driller		LSSAC			Mobe / Demobe	3	45'			
Helper #1		Caden			Drill - Auger	2.75				
Helper #2					Drill - Casing Adv					
DIMV EQUIPMENT SUMMARY					Drill - Odex					
Rig #	Semi #	Truck #	Truck #	A/C	Drill - Sonic				<div>NOTE: Water fill 4 quarters every 100 g.</div>	
150Y-1	HT-114	LT-18			Drill - Rotary					
Trailer #	Trailer #	Trailer #	Equip Trl	Dump Trl	Drill - Coring					
150Y-1					Drill - DTH					
Vac	Skid/Tele	Tractor	Morooka	UTV	Site Activities	.75				
Light Plant					Hole Moves				<div>CHANGE ORDER</div> <div>By initialling an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to:</div> <div>Recovery of stuck equipment</div> <div>Lost or damaged tooling</div> <div>Unmarked utilities</div>	
					Installation					
					Grout	1.5	75'			
					Packer					
					Standby					
PER DIEM	DAY	NIGHT	MSHA FUEL	WATER	No Charge	2			<div>CLIENT SIGNATURE</div>	
Y/N	Y/N	Y/N	GAL	GAL	TOTAL	8	120'			
Y	Y	N								

DRILLER'S DAILY REPORT

**Authentic
Drilling Inc.**

Client Name: **AECOM**
Project Name: **Las Animas Levee**
Authentic Job #: **CO-2023-3488**

Site Address: **Las Animas**
Site City: **Las Animas**
Client Job #:

Client Rep: **1** of **1**
Page: **10-5-23**
Date:

TIME			BORING #	DRILL			SAMPLES		GROUT			INSTALLATION				
START	FINISH	HOURS		BIT SIZE	METHOD	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	#	TYPE	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE
6:15	7:00	.75														
7:00	8:00	1														
8:00	11:15	3.25	G-24	4'1/4	HSA	0'	35'	35'	11	SPT	35'	0'	35'			
11:15	12:00	.75														
12:00	1:15	1.25														
1:15	4:15	3	G-20	4'1/4	HSA	0'	40'	40'	12	SPT	40'	0'	40'			
4:15	5:00	.75														

CONSUMABLES

INSTALLATIONS			RISER QUANTITY			SCREEN QUANTITY			GROUT SUPPLIES		QTY	SAMPLING SUPPLIES		QTY	SURFACE COMPLETION		QTY	MISCELLANEOUS		RENTALS	
Dia "	PVC/SS	SCH	5'	10'		5'	10'														
1"	PVC	S40							Sand			Core Boxes (Cardboard)			Flushmount Size			Trash Pump			✓
2"	PVC	S40							Portland Cement		24	Core Boxes (Wood)			Stick Up Size			Water Level Indicator			
									Bentonite Chips		2	Liners w/Caps (2" x 4")			Pad			Concrete Core			
									Bentonite Powder			Liners w/Caps (2 1/2" x 6")			Bollards			Steam Cleaner			
									Bentonite Crumbles		1	Shelby Tubes w/Caps		4				Pump - Development			
									Bentonite Pellets			Drums - Steel (55 Gal)									
									Asphalt Patch			Disposable Bailer									
									Pea Gravel			Shale Trap/Football									
2.75"	PVC	Inclin							Quikrete Concrete			Centralizers									

CREW/EQUIPMENT SUMMARY					INVOICING SUMMARY		
POSITION		NAME		SERVICES	HOURS	FOOTAGE / QTY	
Driller		LSSAC		Mobe / Demobe	3.5		
Helper #1		Kad		Drill - Auger	3.25	75'	
Helper #2				Drill - Casing Adv			
DRILL EQUIPMENT SUMMARY				Drill - Odex			
Rig #	Ser#	Truck #	Truck #	A/C	Drill - Sonic		
150X-1	HT-114	LT-18			Drill - Rotary		
Trailer #	Trailer #	Trailer #	Equip Trl	Dump Trl	Drill - Coring		
150X-1					Drill - DTH		
Vac	Shed/Teal	Tractor	Motoroka	UTV	Site Activities	1	
					• Hole Moves		
Light Plant					• Installation		
					• Grout	1	
SITE SUMMARY				• Packer		75'	
PER DIEM	DAY	NIGHT	MSHA FUEL	WATER	• Standby		
Y/N	Y/N	Y/N	GAL	GAL	No Charge		
Y	Y	U			TOTAL	10.75 150'	

DAMAGED TOOLING

NOTES / COMMENTS

NOTE: Each Shelby Tube requires 20 min. wait time before pulling as per client.

NOTE: Water fill station 4 quarters every 100g.

CHANGE ORDER

By initialling an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to:

- Recovery of stuck equipment
- Lost or damaged tooling
- Unmarked utilities

CLIENT SIGNATURE

DRILLER'S DAILY REPORT

**Authentic
Drilling Inc.**

Client Name: **AECOM**
Project Name: **Las Animas Levee**
Authentic Job #: **CO-2023-3488**

Site Address: _____
Site City: **Las Animas**
Client Job #: _____

Client Rep: _____
Page: **1** of **1**
Date: **10.6.23**

TIME			BORING #	DRILL			SAMPLES		GROUT			INSTALLATION			NOTES:	
START	FINISH	HOURS		BIT SIZE	METHOD	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	#	TYPE	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	DEPTH FROM		DEPTH TO
6:15	7:00	.75														Travel
7:00	8:00	1														Water - Supplies
8:00	10:15	2.25	G-19	4 1/4	HSA	0'	35'	35'	12	SPT	35'	0'	35'			Drill - Grout
10:15	10:45	.5														Mobe
10:45	1:30	2.75	G-18	4 1/4	HSA	0'	35'	35'	11	SPT	35'	0'	35'			Drill - Grout
1:30	1:45	0.15														Mobe
1:45	4:00	2.25	G-17	4 1/4	HSA	0'	30'	30'	11	SPT	30'	0'	30'			Drill Grout
4:00	4:30	.5														Travel
		</														

CONSUMABLES										MISCELLANEOUS									
INSTALLATIONS			RISER QUANTITY			SCREEN QUANTITY			GROUT SUPPLIES	QTY	SAMPLING SUPPLIES		QTY	SURFACE COMPLETION		QTY	RENTALS		
Dia"	PVC/SS	SCH	5'	10'		5'	10'				Core Boxes (Cardboard)			Flushmount Size			Trash Pump		
1"	PVC	S40							Sand		Core Boxes (Wood)			Stick Up Size			Water Level Indicator		✓
2"	PVC	S40							Portland Cement	360	Uren's w/Caps (2" x 4")			Pad			Concrete Core		
4"	PVC	S40							Bentonite Chips	2	Uren's w/Caps (2 1/2" x 6")			Bollards			Steam Cleaner		
2"	PVC	Prepack							Bentonite Powder		Shelby Tubes w/Caps	4					Pump - Development		
									Bentonite Crumbles		Drums - Steel (55 Gal)								
									Bentonite Pellets		Disposable Bailer								
									Asphalt Patch		Shale Trap/Football								
									Pea Gravel		Centralizers								
2.75"	PVC	Inclin							Quikrete Concrete										

CREW/EQUIPMENT SUMMARY					INVOICING SUMMARY	
POSITION		NAME		SERVICES	HOURS	FOOTAGE / QTY
Driller		ISSAC		Mobe / Demobe	2	100'
Helper #1		Kaden		Drill - Auger	3.5	
Helper #2				Drill - Casing Adv		
DMV EQUIPMENT SUMMARY					Drill - Odex	
Qty #	Serial #	Truck #	Truck #	A/C	Drill - Sonic	
1	114	17-18			Drill - Rotary	
Trailer #	Trailer #	Trailer #	Equip #	Dump #	Drill - Coring	
1					Drill - DTH	
Vac	Blow/Vac	Tractor	Tractor	UTV	Site Activities	1
					• Hole Moves	
Light Plant					• Installation	
					• Grout	1.75
					• Packer	100'
					• Standby	
SITE SUMMARY						
PER DIEM	DAY	NIGHT	MSHA FULL	WATER		
Y/N	Y/N	Y/N	GAL	GAL	No Charge	
✓	✓	✓			TOTAL	10.25

DAMAGED TOOLING		CHANGE ORDER	
		By Initialling an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to:	
		Recovery of stuck equipment	
		Lost or damaged tooling	
		Unmarked utilities	

NOTE: Each shelby tube requires 20 min. wait time before pulling as per client.

NOTE: Water fill station 4 quarters every 100g.

CLIENT SIGNATURE _____

DRILLER'S DAILY REPORT

Authentic Drilling Inc.			Client Name: Aecom		Site Address:		Client Rep:												
			Project Name: Las Animas levee		Site City: Las Animas		Page: 1 of 1												
			Authentic Job #: CO-2023-3488		Client Job #:		Date: 10.7.23												
TIME			DRILL			SAMPLES			GROUT			INSTALLATION			NOTES:				
START	FINISH	HOURS	BORING #	BIT SIZE	METHOD	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	#	TYPE	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	DEPTH FROM			DEPTH TO	TOTAL FOOTAGE	
6:15	7:00	.75																	
7:00	8:00	1															Travel		
8:00	10:15	2.25	G-16	4 1/4	HSA	0'	30'	30'	11	SPT	30'	0'	30'				Water - Supplies		
10:15	11:00	.75															Drill - Grout		
11:00	12:00	1	G-15	4 1/4	HSA	0'	15'	15'	10	SPT	15'	0'	15'				Mobe		
12:00	12:30	.5															Drill - Grout		
12:30	3:15	2.75	G-13	4 1/4	HSA	0'	35'	35'	12	SPT	35'	0'	35'				Mobe		
3:15	4:15	1															Drill - Grout		
																	Travel		
CONSUMABLES																			
INSTALLATIONS			RISER QUANTITY			SCREEN QUANTITY			GROUT SUPPLIES		QTY	SAMPLING SUPPLIES		QTY	SURFACE COMPLETION		QTY	MISCELLANEOUS	
Dia"	PVC/SS	SCN	5'	10'		D'	10'		Sand			Core Boxes (Cardboard)			Flushmount Size			Trash Pump	✓
3"	PVC	540							Portland Cement	30		Core Boxes (Wood)			Stick Up Size			Water Level Indicator	
2"	PVC	540							Bentonite Chips	7		Liners w/Caps (2" x 4")			Pad			Concrete Core	
4"	PVC	540							Bentonite Powder			Liners w/Caps (4 1/2" x 6")			Bollards			Steam Cleaner	
2"	PVC	Prepack							Bentonite Crumbles	2		Shelby Tubes w/Caps	2					Pump - Development	
									Bentonite Pellets			Drums - Steel (55 gal)							
									Asphalt Patch			Disposable Batter						WATER \$	
									Pea Gravel			Shale Trap/football			SUBCONTRACTORS	✓		Water from Shop	
2 7/8"	PVC	Inclin							Quikrete Concrete			Centralizers						Fill Station	888.6 ✓
CREW/EQUIPMENT SUMMARY																			
POSITION		NAME		SERVICES		HOURS		FOOTAGE / QTY		NOTE: Each shelby tube requires 20 min. wait time before pulling as per client NOTE: water fill station 4 quarts every 100g. NOTE: Blew hydraulic hose!									
Driller		Issac		Mobe / Demobe		3		80'											
Helper #1		Kaden		Drill - Auger		4.75		80'											
Helper #2				Drill - Cooling Adv															
DMAGED TOOLING																			
CHANGE ORDER																			
By initialing an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to:																			
Recovery of stuck equipment																			
Lost or damaged tooling																			
Unmarked utilities																			
CLIENT SIGNATURE																			
OMY EQUIPMENT SUMMARY Rig # 450X-1 HT-1147318 Trailer # 450X-1 Vols 450X-1 Skid/Tote 450X-1 Tractor 450X-1 Motorhome 450X-1 UTV 450X-1 Light Plant 450X-1																			
SITE SUMMARY																			
PSD RPM	DAY	NIGHT	MCHA FUEL	WATER															
Y/N	Y/N	Y/N	GAL	GAL															
Y	Y	N																	
TOTAL					10		160'												

Authentic Drilling_{INC.}

Authentic Job #

Aecom

Las Animas level

CO. 2023. 3488

Site City:

Client Job #:

Las Animas

Client Rep:

Page:

Date:

of

10. 8. 7. 3

CONSUMABLES										MISCELLANEOUS						
INSTALLATIONS			RISER QUANTITY			SCREEN QUANTITY			GROUT SUPPLIES	QTY	SAMPLING SUPPLIES	QTY	SURFACE COMPLETION	QTY	RENTALS	✓
Dia "	PVC/SS	SCH	5'	10'	15'	5'	10'	15'								
1"	PVC	S40							Sand		Core Boxes (Cardboard)		Flushmount Size "		Trash Pump	✓
2"	PVC	S40							Portland Cement	28	Core Boxes (Wood)		Stick Up Size "		Water Level Indicator	
4"	PVC	S40							Bentonite Chips	4	Uners w/Caps (2" x 4')		Pad		Concrete Core	
2"	PVC	Prepack							Bentonite Powder		Uners w/Caps (2 1/2" x 6')		Bollards		Steam Cleaner	
									Bentonite Crumbles	3	Shelby Tubes w/Caps	7			Pump - Development	
									Bentonite Pellets		Drums - Steel (\$5 Gal)					
									Asphalt Patch		Disposable Bailer				WATER \$	
									Pea Gravel		Shale Trap/Football		SUBCONTRACTORS	✓	Water from Shop	
2.75"	PVC	Inclin							Quikrete Concrete		Centralizers				Fill Station	400 G ✓

CREW/EQUIPMENT SUMMARY					INVOICING SUMMARY		DAMAGED TOOLING		NOTES / COMMENTS	
POSITION		NAME			SERVICES	HOURS	FOOTAGE / QTY			
Driller		135ac			Mobe / Demobe	1.75				
Helper #1		Kaden			Drill - Auger	6.25	87'			
Helper #2					Drill - Casing Adv					
DMV EQUIPMENT SUMMARY					Drill - Odex					
Rig #	Semi #	Truck #	Truck #	A/C	Drill - Sonic					
750X1	HT-114	LT-18			Drill - Rotary					
Trailer #	Trailer #	Trailer #	Equip Trl	Dump Trl	Drill - Coring					
750X1					Drill - DTH					
Vac	Skid/Tele	Tractor	Morooka	UTV	Site Activities	1				
					Hole Moves					
Light Plant					Installation					
					Grout	1	70'			
					Packer					
SITE SUMMARY					Standby					
PER DIEM	DAY	NIGHT	MSHA FUEL	WATER	No Charge					
Y/N	Y/N	Y/N	GAL	GAL						
✓	✓	✓			TOTAL	10				

CHANGE ORDER

By initialing an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to:

Recovery of stuck equipment

Lost or damaged tooling

Unmarked utilities

CLIENT SIGNATURE

NOTE: Each shelby tube requires 20 min wait time before pulling as per client

NOTE: water fill station 4 quarters every 100g

DRILLER'S DAILY REPORT

Authentic Drilling Inc.			Client Name: Aecom		Site Address: Las Animas		Client Rep:													
Project Name: Las Animas Levee			Site City: Las Animas		Page: 1 of 1		Date: 10.9.23													
Authentic Job #: CO-2023-3488			Client Job #:																	
TIME			DRILL			SAMPLES			GROUT			INSTALLATION			NOTES:					
START	FINISH	HOURS	BORING #	BIT SIZE	METHOD	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	#	TYPE	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	DEPTH FROM		DEPTH TO	TOTAL FOOTAGE			
6:15	7:00	.75															Travel			
7:00	7:30	.5															Supplies - Water			
7:30	8:00	.5															Mobe			
8:00	9:30	1.5	G-8	4 1/4	HSA	17'	30'	13	4	SPT	30'	0'	30'				Drill - grout			
9:30	10:00	.5															Mobe			
10:00	11:00	1	G-7	4 1/4	HSA	0'	10'	10'	7	SPT	10'	0'	10'				Drill - grout			
11:00	11:15	.25															Mobe			
11:15	12:15	.75	G-6	4 1/4	HSA	0'	10'	10'	7	SPT	10'	0'	10'				Drill - grout			
12:15	3:00	2.75	G-5	4 1/4	HSA	0'	35'	35'	12	SPT							Drill - grout			
3:00	4:00	1															Travel			
CONSUMABLES																				
INSTALLATIONS			RISER QUANTITY			SCREEN QUANTITY			GROUT SUPPLIES		QTY	SAMPLING SUPPLIES		QTY	SURFACE COMPLETION		QTY	MISCELLANEOUS		
Dia "	PVC/SS	SCH	5'	10'		5'	10'		Sand		Core Boxes (Cardboard)		Flushmount Size		Trash Pump					
1"	PVC	S40							Portland Cement	20	Core Boxes (Wood)		Stick Up Size		Water Level Indicator					
2"	PVC	S40							Bentonite Chips	5	Liners w/Caps (2" x 4")		Pad		Concrete Core					
4"	PVC	S40							Bentonite Powder		Liners w/Caps (2 1/2" x 6")		Boilards		Steam Cleaner					
2"	PVC	Prepack							Bentonite Crumbles	2	Shelby Tubes w/Caps	2			Pump - Development					
									Bentonite Pellets		Drums - Steel (55 Gal)									
									Asphalt Patch		Disposable Bailer									
									Pea Gravel		Shale Trap/Football		SUBCONTRACTORS	✓	Water from Shop					
2.75"	PVC	Inclin							Quikrete Concrete		Centralizers				Fill Station	500 G		✓		
CREW/EQUIPMENT SUMMARY					INVOICING SUMMARY					DAMAGED TOOLING					NOTES / COMMENTS					
POSITION		NAME		SERVICES		HOURS		FOOTAGE / QTY												
Driller		ISSAC		Mobe / Demobe		3														
Helper #1		Kaden		Drill - Auger		4.75		85'												
Helper #2				Drill - Casing Adv																
				Drill - Odex																
DMV/EQUIPMENT SUMMARY																				
Rig #	Semi #	Truck #	A/C	Drill - Sonic																
750X1	HT-114	CT-18		Drill - Rotary																
Trailer #	Trailer #	Trailer #	Equip. Tr	Drill - Coring																
750X1				Drill - DTH																
Vac	Skid/Tele	Tractor	Morooka	Site Activities		.5														
SITE SUMMARY																				
PER DIEM	DAY	NIGHT	MSHA FUEL	WATER	Installation															
Y/N	Y/N	Y/N	GAL	GAL	Grout		1.25		50'											
Y	Y	N			Packer															
					Standby															
					No Charge															
TOTAL										9.5										

CHANGE ORDER

By Initialling an Item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to:

- Recovery of stuck equipment
- Lost or damaged tooling
- Unmarked utilities

CLIENT SIGNATURE

Authentic Drilling Inc.			Client Name: Aecom			Site Address:			Client Rep:											
Project Name: Las Animas levee			Site City: Las Animas			Page:			1 of 1											
Authentic Job #: CO-2023-3488			Client Job #:			Date: 10-10-23														
TIME			DRILL			SAMPLES			GROUT			INSTALLATION			NOTES:					
START	FINISH	HOURS	BORING #	BIT SIZE	METHOD	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	#	TYPE	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE	DEPTH FROM	DEPTH TO	TOTAL FOOTAGE				
6:15	7:00	.75															Travel			
7:00	7:30	.5															Water - Supplies			
7:30	8:00	.5															Mobe			
8:00	9:00	1	G-5								30'	0'	30'				GROUT			
9:00	9:30	.5															Mobe			
9:30	10:30	1	G-4	4 1/4	HSA	0'	10'	10'	7	SPT	10'	0'	10'				Drill - grout			
10:30	2:00	3.5	G-3	4 1/4	HSA	0'	35'	35'	12	SPT	35'	0'	35'				Drill - grout			
											35'	0'	35'							
2:00	4:00	2	G-2	4 1/4	HSA	0'	22'	22'	9	SPT							Drill			
4:00	5:00	1															Travel			
CONSUMABLES																		MISCELLANEOUS		
INSTALLATIONS			RISER QUANTITY			SCREEN QUANTITY			GROUT SUPPLIES		QTY	SAMPLING SUPPLIES		QTY	SURFACE COMPLETION		QTY	RENTALS		✓
Die"	PVC/SS	SCH	5'	10'	—'	5'	10'	—'	Sand			Core Boxes (Cardboard)		Flushmount Size				Trash Pump		✓
1"	PVC	S40							Portland Cement	4		Core Boxes (Wood)		Stick Up Size				Water Level Indicator		
2"	PVC	S40							Bentonite Chips	2		Uners w/Caps (2" x 4")		Pad				Concrete Core		
4"	PVC	S40							Bentonite Powder			Uners w/Caps (2 1/2" x 6")		Boilards				Steam Cleaner		
2"	PVC	Prepack							Bentonite Crumbles	2		Shelby Tubes w/Caps	3					Pump - Development		
									Bentonite Pellets			Drums - Steel (55 Gal)						400 G		✓
									Asphalt Patch			Disposable Bailer						WATER \$		
									Pea Gravel			Shale Trap/Football		SUBCONTRACTORS	✓			Water from Shop		
2.75"	PVC	Inclin							Quikrete Concrete			Centralizers						Fill Station		
CREW/EQUIPMENT SUMMARY					INVOICING SUMMARY					DAMAGED TOOLING					NOTES / COMMENTS					
POSITION		NAME			SERVICES		HOURS		FOOTAGE / QTY							NOTE: Each Shelby tube requires 20 min wait time before pulling as per client				
Driller		Marc			Mobe / Demobe		2.75													
Helper #1		Kaden			Drill - Auger		5		67'											
Helper #2					Drill - Casing Adv															
DMV EQUIPMENT SUMMARY															NOTE: Water fill station 4 quarters every 100g.					
Rig #		Semi #		Truck #		A/C		Drill - Sonic												
750X-1		HT-114		LT-18				Drill - Rotary												
Trailer #		Trailer #		Equip Trl		Dump Trl		Drill - Coring												
750X-1								Drill - DTH				CHANGE ORDER By installing an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to: Recovery of stuck equipment Lost or damaged tooling Unmarked utilities								
Val		Skid/Tele		Tractor		Morooka		Site Activities		.5										
Light Plant								Hole Moves												
								Installation												
SITE SUMMARY																				
PER DIEM		DAY		NIGHT		MASHA FUEL		WATER		Standby										
Y/N		Y/N		Y/N		GAL		GAL		No Charge										
✓		✓		✓						TOTAL		10.75								

1 of
10.11.23

Travel
Water - Supplies
Grout
mobe
Drill - grout
mobe
Drill - grout
mobe off levee
load equ.
Travel las Animas → Kowa

NOTES / COMMENTS

NOTES / COMMENTS

CHANGE ORDER	
By initialling an item, the client hereby acknowledges acceptance of the financial responsibility for all costs related to:	
_____	Recovery of stuck equipment
_____	Lost or damaged tooling
_____	Unmarked utilities

CLIENT SIGNATURE