

ATTACHMENT I

CO 01 Backup Documentation

CO 01 Includes:

PCO 01 – Construction Permit Fee Reimbursement

PCO 05 – Planter 7 Sprinkler Line Lowering

PCO 07 – Planter 5-8 Rebar

Section A. Memorandum of Negotiations

Section B. Itemized Final Negotiation Breakdown (PCO 05 & 07 only)

Section C. Pencil Copy (working) Markups for Each Party's Estimate (PCO 05 & 07 only)

Section D. Original Party Estimates (PCO 05 & 07 only)

Section A. Memorandum of Negotiations

**Ballston-MU Station Area Improvements Project
MEMORANDUM OF NEGOTIATIONS**

CHANGE ORDER No. 1 - Add three (3) New Items: Construction General Permit Fee Reimbursement; Lowering of Existing Sprinkler Line @ Planter 7; Furnish & Install #4 Rebar @ Planters 5-8.

CONTRACT No: 20-110-9-6

DATE: 12/03/20

1. **PROJECT:** Ballston-MU Station Area Improvements Project
2. **REASON FOR CHANGE ORDER:** See Remarks below.
3. **ARLINGTON COUNTY ESTIMATE:**

Amount: \$13,745.00

Date: 11/20/20

4. **CONTRACTOR'S PROPOSAL:**

Amount: \$20,006.00

Date: 11/20/20

5. **NEGOTIATIONS:**

Amount: New Items (3)	\$16,981.00	
Increase of Ex. Item (0)	<u>\$0,000.00</u>	
	<u>\$16,981.00</u>	

Date: 11/24/20

6. REMARKS:

Item No. 1 (PCO 01) - Construction General Permit Fee Reimbursement (New Item):

- Reason for Change Order: Ardent inadvertently paid this permit fee which had already been paid by the County. On 08/04/20, Ardent submitted a reimbursement request in the amount of \$756.00 match the amount that had been paid by the County. The County has no objection and agrees to reimburse Ardent for this amount.
- Negotiation Recap: N/A

Item No. 2 (PCO 05)– Lowering of Existing Sprinkler Line @ Planter 7 (New Item):

- Reason for Change Order: Upon excavating to the horizontal and vertical limits of Planter 7, an unmarked 3/4" copper line was discovered and that would conflict with the Planter substructure. Ardent submitted RFI 17 on 10/14/20 which included a request to identify the line and owner, neither of which was determined so it was agreed to err on the side of caution and maintain the line by lowering in place, and a price proposal to perform the work was requested from Ardent.
- Negotiation Recap: Held 11/24/20: Bijay Subedi (PM) and Vivek Thukral (Sr. PM) representing Ardent (Contractor); Alfonso Ronca (PM) and Sekander Salihi (RE) representing Arlington County met virtually and presented each party's estimate for this item: Arlington County Estimate (ACE) = \$1,325.00; Contractor's Proposal (CP) = \$2,250.00.

The parties discussed the specifics of this change in order to ensure that there was a mutual understanding of the scope of work involved. Both parties negotiated and acknowledged the following:

- (1) The CP labor hours were high due to the unknown operational status of the line that may require additional work, tracing, testing, etc.
- (2) The ACE and CP estimated varying equipment usage and hours as well as material amounts and agreed that some equipment was or was not needed/other equipment hours should be adjusted.
- (3) The CP did not request time for the work but should have.

Based on these acknowledgements, the CP and ACE agreed to compromise approximately midway on the labor hours, the CE agreed that a backhoe would not be needed, that a dump truck would be needed for potential spoils and the ACE agreed to the need to purchase an entire roll of copper (60') as opposed to its 20' estimate cannot be purchased.

As a result, the parties arrived at a Lump Sum (LS) price of \$1,777.00 with a 1 CD extension of the contract duration.

Item No. 3 (PCO 07) – Addition of Rebar for Planters 5-8 Cast-in-Place (CIP) Sections (New Item):

- Reason for Change Order: on 11/9/2020 in response to Ardent RFI 18 submitted on 10/21/20, the designer (Parsons) directed Ardent to provide shop drawings for Planters 5-8 CIP sections with #4 rebars included due to a design omission. A price proposal was requested from Ardent to include the production of shop drawings and the work required to add the reinforcement.
- Negotiation Recap: Held 11/24/20: Bijay Subedi (PM) and Vivek Thukral (Sr. PM) representing Ardent (Contractor); Alfonso Ronca (PM) and Sekander Salihi (RE) representing Arlington County met virtually and presented each party's estimate for this item: Arlington County Estimate (ACE) = \$11,664.00; Contractor's Proposal (CP) = \$17,000.00.

The parties discussed the specifics of this change in order to ensure that there was a mutual understanding of the scope of work involved. Both parties negotiated and acknowledged the following:

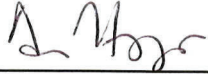
- (1) The ACE included the estimated costs for rebar shop drawing production and delivery of materials as a labor cost; the CP material cost included those items.
- (2) The ACE material costs were low mostly related to the miscellaneous materials required.
- (3) The CP labor hours (9 for each planter) were high and estimated at a lower productivity rate than the ACE.
- (4) The ACE and CP estimated varying equipment usage and hours and agreed that some equipment was or was not needed/other equipment hours should be adjusted.
- (5) The CP did not request time for the work but should have.

Based on these acknowledgements, the parties agreed that the vendor quote would be used for the rebar estimate (quote attached), that the CP cost of miscellaneous materials would be honored, that the ACE productivity rate would be used and that equipment hours should be increased, including adding a dump truck. As a result, the parties arrived at a unit price of \$3,612.00 for each planter or a total of \$14,448.00 with a 3 CD extension of the contract duration (6 hours at each of 4 planters for a total of 24 hours or 3 CDs).

<u>Summary of Negotiations</u>	Arlington County Estimate	Contractor's Proposal	Negotiated Price
New Items 1-3	\$13,745.00	\$20,006.00	\$16,981.00

The negotiations of 11/24/20 resulted in all parties agreeing to the same unit price for the three (3) new contract items.

Based upon the findings, it is recommended that a change order be issued to Ardent for a lump sum amount of \$16,981.00. The following find the price to be fair and reasonable for the work involved.



Arash Hooshangi, Ardent President

12/3/2020

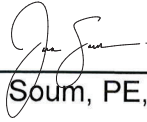
Date



Sekander Salihi, EIT, STV Resident Engineer

12/3/20

Date



Dara Soum, PE, Arlington County Project Manager

02/16/2021

Date

Section B. Itemized Final Negotiation Breakdown (PCO 05 & 07 only)



Ardent Job: 193-20

August 4, 2020

Mr. Mark P. Mainardi
Sr. Capital Project Manager
Arlington County | DES | DOT-Transit Bureau
2100 Clarendon Blvd., Suite 813
Arlington, VA 22201

**Re: Contract No. 20-110-9-6
Ballston MU Metro Station Area Improvements
Arlington County**

Dear Mr. Mainardi,

Ardent Company hereby submits a change order request to compensate for the permit fees related to Virginia General Permit as well as WMATA permit fee. Per the Special Conditions section 5 and 6, county will reimburse contractor for the permits.

Item#	Description	Qty	Unit	Unit Price	Total
EW01	Virginia General Permit Fees	1	LS	\$756.00	\$ 756.00
EW02	WMATA Permit Fees	1	LS	\$3,500.00	\$ 3,500.00
Total Net Change to Contract					\$ 4,256.00

Should you have any questions, please do not hesitate to contact me.

Sincerely,
Ardent Company, LLC

Arash Hooshangi, P.E.
Managing Director

This attachment shows the WMATA permit fee that we've concluded that Ardent will seek reimbursement separately so we'll disregard herein. A. Ronca 12/3/20

Ardent
COMPANY

ARDENT COMPANY, LLC
P.O. Box 679
Melburn, Virginia 22101

WELLS FARGO BANK, N.A.
www.wfb.com
63-541014

16155

PAY TO THE
ORDER OF WMMATA

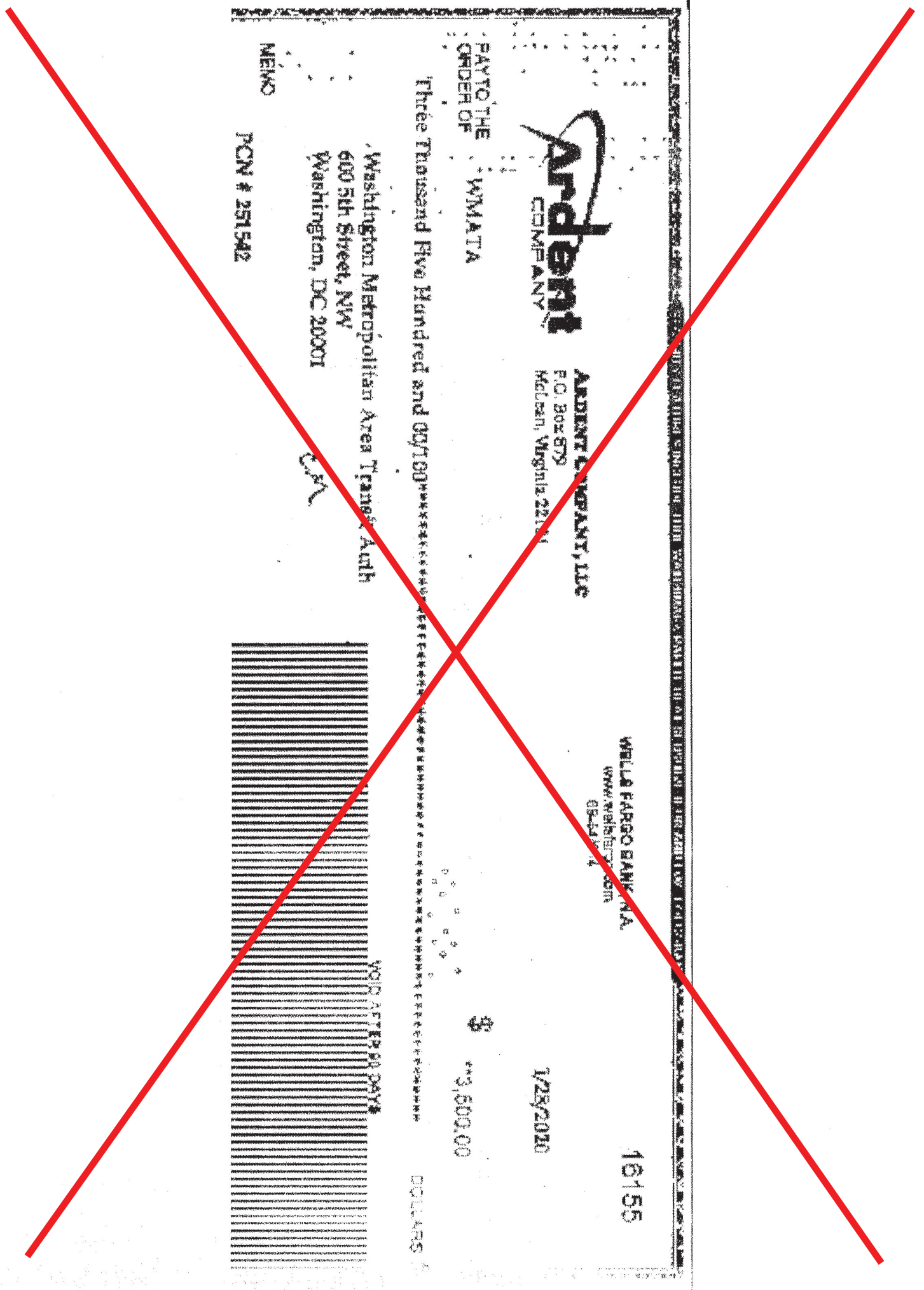
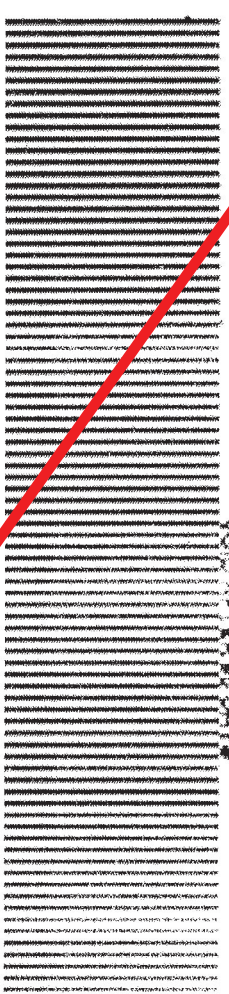
Three Thousand Five Hundred and 00/100*****

\$ 3,500.00

DOLLARS

Washington Metropolitan Area Transit Auth
600 5th Street, NW
Washington, DC 20001

MEMO
PCN # 251542



survey must show distances and bearings of the proposed property to be used, distance and bearing to the nearest WMATA right-of-way monument or property corner from a corner of the WMATA property for which the Applicant is requesting use, the centerline stationing of the WMATA outbound track, WMATA right-of-way line and/or property line, the distances and bearings of any existing easements, square footage, date, north arrow, existing streets and name of proposed Permittee. Distances and bearings shall be based upon the local meridian. Plat should include a written description of the type of property right WMATA is requested to convey.

- Deficient plans which do not include the required information set forth above may delay issuance of the Permit.

Step 4: Submission of Permit Application and Plans

Submission should consist of:

- One (1) copy of the complete Permit Application and a minimum three (3) copies of Plans (half-size/11x17) sent directly to JDAC addressed to:

Manager, Adjacent Construction
WMATA, Office of Joint Development and Adjacent
Construction
3500 Pennsy Drive, Room C-108
Landover, MD 20785

- One (1) copy of the complete Permit Application and one (1) copy of the Plans (half-size/11x17) and survey together with a check in the amount of \$3,500, made payable to WMATA for the non-refundable base permit fee (fee may be more than \$3,500 depending on the proposed use of WMATA property) sent directly to LAND addressed to:

Ms. Anabela Talaia
Program Manager, Real Estate
Office of Real Estate and Station Planning
WMATA
600 Fifth Street, NW, Room 5B
Washington, DC 20001

Step 5: Insurance Requirements

Compliance with WMATA's insurance requirements is mandatory. WMATA requires Applicant to submit Certificates of Insurance (COI) and all applicable endorsements. Additionally WMATA may request copies of **complete insurance policies**. Please note that if WMATA requires Railroad Protective Liability and/or Builder's Risk insurance, complete insurance policies will always be required. LAND will provide Applicant with the specific insurance requirements for its project. Permits will not be executed by WMATA until all insurance requirements have been satisfied. To avoid delay, it is recommended that the insurance provisions in the boilerplate Permit (posted on wmata.com) be reviewed and forwarded timely to Applicant's insurance company.

SECURITY FEATURES INCLUDE TRUE WATERMARK PAPER HEAT SENSITIVE GLOW AND FOIL HOLOGRAM

17106



ARDENT COMPANY, LLC
P.O. Box 879
McLean, Virginia 22101

WELLS FARGO BANK, N.A.
www.wellsfargo.com
68-54/514

6/18/2020

PAY TO THE ORDER OF Treasurer of Virginia

\$ **756.00

Seven Hundred Fifty-Six and 00/100*****

DOLLARS

Department of Environmental Quality
Receipts Control
P.O. Box 1104
Richmond, VA 23218

VOID AFTER 90 DAYS



A. Hooshang
AUTHORIZED SIGNATURE

MEMO Permit Fee

⑈0000017106⑈ ⑆051400549⑆ 5055150683⑈

From: Dara Soum <dsoum@arlingtonva.us>
Sent: Thursday, October 15, 2020 9:41 AM
To: Ronca, Alfonso <Alfonso.Ronca@stvinc.com>; Michelle Chaney <Mchaney@arlingtonva.us>
Cc: Mark Mainardi <mmainardi@arlingtonva.us>; Salihi, Sekander <Sekander.Salihi@stvinc.com>
Subject: Re: Ballston CO #1 Draft

****This e-mail is from outside STV****

Alfonso, Thanks for the clarification. Agreed. Thanks -Dara

From: Ronca, Alfonso <Alfonso.Ronca@stvinc.com>
Date: Thursday, October 15, 2020 at 9:29 AM
To: Dara Soum <dsoum@arlingtonva.us>, Michelle Chaney <Mchaney@arlingtonva.us>
Cc: Mark Mainardi <mmainardi@arlingtonva.us>, Salihi, Sekander <sekander.salihi@stvinc.com>
Subject: RE: Ballston CO #1 Draft

EXTERNAL EMAIL: This email originated from outside Arlington County.

CAUTION: This external email also contains file attachments. Do not open files that you are not specifically expecting to receive, even from known senders.

Hi Dara, Michelle,

The attachments still show the WMATA permit fee that we've concluded that Ardent will seek reimbursement separately so we'll disregard that in final form. Again, just wanted to use this as a review version based on our earlier CO processing discussions.

Thanks, and **"BE SAFE"**

Alfonso Ronca, P.E.

Project Manager

Ballston-MU Metro Station Area Improvements Project

Cell: 202-604-7540



Final Negotiation Copy

Ballston-MU Station Area Improvements Project
Arlington County, VA

PCO 05 - Planter 7 Sprinkler Line Lowering

Description of Change;

Lowering the sprinkler line beneath Planter 7

<u>Task Description</u>	<u>Quantity</u>	<u>Hours</u>	<u>Unit</u>	<u>Rate</u>	<u>Subtotals</u>	<u>Comments</u>
LABOR						
Foreman	1.00	6.00	Hrs.	\$38.00	\$228.00	
Laborer (skilled)	1.00	6.00	Hrs.	\$22.00	\$132.00	
Laborer (unskilled)	1.00	6.00	Hrs.	\$21.00	\$126.00	
Laborer (unskilled)	1.00	6.00	Hrs.	\$20.97	\$125.82	corrected to \$20.97 from \$21.00
Operator	0.00	0.00	Hrs.	\$23.93	\$0.00	laborer operates skid steer
Dump Truck Driver	0.00	0.00	Hrs.	\$20.34	\$0.00	
Other Support	0.00	0.00	Hrs.	\$0.00	\$0.00	
Subtotal Labor Base:					\$611.82	
Ind. Labor					0.00%	\$0.00
Subtotal Labor:					\$611.82	
O&P					15.00%	\$91.77
TOTAL LABOR					\$703.59	
EQUIPMENT						
Excavator	0.00	0.00	Hrs.	\$115.85	\$0.00	
Backhoe	0.00	0.00	Hrs.	\$34.87	\$0.00	requested, not needed
Skid Steer	1.00	6.00	Hrs.	\$29.63	\$177.78	
Dump Truck (Large)	1.00		Hrs.	\$97.40	\$0.00	
Dump Truck (Small)	1.00	4.00	Hrs.	\$46.77	\$187.08	Minimum
Generator	0.00		Hrs.		\$0.00	
Small Tools	0.00		Hrs.		\$0.00	
Service Truck	0.00	0.00	Hrs.	\$35.00	\$0.00	not used
Pickup Truck	1.00	8.00	Hrs.	\$28.26	\$226.08	incl add time for misc. duties
Subtotal Equipment:					\$590.94	
O&P					0.00%	\$0.00
TOTAL EQUIPMENT:					\$590.94	previously omitted inadvertently
MATERIAL						
Water line Material	1.00		LS	\$482.07	\$482.07	3/4" copper (60' roll-new)
	0.00			\$0.00	\$0.00	
	0.00			\$0.00	\$0.00	
Subtotal Material:					\$482.07	
O&P					0.00%	\$0.00
TOTAL MATERIAL					\$482.07	
SUBCONTRACTOR						
Sub 1	0.00		LS	\$0.00	\$0.00	
Sub 2	0.00		LS	\$0.00	\$0.00	
Subtotal Sub:					\$0.00	
O&P					10.00%	\$0.00
TOTAL SUB					\$0.00	
SUBTOTAL L+E+M+S:					\$1,776.60	
Bond					0.00%	\$0.00
TOTAL L+E+M+S:					\$1,776.60	Removed, incl in O&P per contract
Roundup Each (Unit):					\$1,777.00	
Total Each (Unit):					1	
CO TOTAL:					\$ 1,777.00	

Created by: S. Salihi, E.I.T, Resident Engineer, 12/03/20

Checked by: A. Ronca, PE, PM, 12/03/20

1. Estimate based on field conditions upon full excavation of Planter 7.
2. 1 day additional time was considered for the estimated task.
3. Production rate and crew size was based on current crew size for similar work.
4. Trade rates reflect effective payroll rates, plus Contractor provided field overhead multiplier.
5. 2020 Rental Rate Blue Book rates were referenced and considered in preparation of this estimate.

Final Negotiation Copy

Ballston-MU Station Area Improvements Project
 Arlington County, VA
 PCO 07 - Planter 5-8 CIP Rebar

Description of Change;

Addition of #4 rebars (omitted during design) for Planter's 5-8 CIP Sections

<u>Task Description</u>	<u>Quantity</u>	<u>Hours</u>	<u>Unit</u>	<u>Rate</u>	<u>Subtotals</u>	<u>Comments</u>
LABOR						
Foreman	1.00	6.00	Hrs.	\$38.00	\$228.00	6 hrs based on 3 days total time
Laborer (skilled)	1.00	6.00	Hrs.	\$22.00	\$132.00	
Laborer (unskilled)	1.00	6.00	Hrs.	\$21.00	\$126.00	
Laborer (unskilled)	1.00	6.00	Hrs.	\$20.97	\$125.82	corrected to \$20.97 from \$21.00
Operator	0.00	0.00	Hrs.	\$23.93	\$0.00	no separate operator, laborer used
Dump Truck Driver	0.00	0.00	Hrs.	\$20.34	\$0.00	
Professional Services	0.00	0.00	Hrs.	\$50.00	\$0.00	
					Subtotal Labor Base:	\$611.82
					Ind. Labor	0.00% \$0.00
					Subtotal Labor:	\$611.82
					O&P	15.00% \$91.77
					TOTAL LABOR	\$703.59
O&P is on Base + Indirect Labor						
EQUIPMENT						
	<u>Quantity</u>	<u>Hours</u>		<u>Rate</u>	<u>Subtotals</u>	
Excavator	0.00	0.00	Hrs.	\$115.85	\$0.00	
Backhoe	1.00	6.00	Hrs.	\$34.87	\$209.22	
Skid Steer	1.00	6.00	Hrs.	\$29.63	\$177.78	
Dump Truck (Large)	0.00		Hrs.	\$97.40	\$0.00	
Dump Truck (Small)	1.00	6.00	Hrs.	\$46.77	\$280.62	
Generator	0.00		Hrs.		\$0.00	
Small Tools	0.00		Hrs.		\$0.00	Included
Service Truck	0.00	0.00	Hrs.	\$35.00	\$0.00	no service truck used
Pickup Truck	1.00	8.00	Hrs.	\$28.26	\$226.08	incl add time for misc. duties
					Subtotal Equipment:	\$893.70
					O&P	0.00% \$0.00
					TOTAL EQUIPMENT:	\$893.70
previously omitted inadvertently						
MATERIAL						
	<u>Quantity</u>		<u>Unit</u>	<u>Unit \$</u>	<u>Subtotals</u>	
#4 Rebar	1.00		Ton	\$1,272.00	\$1,272.00	includes shop drawings & delivery used average
Misc Materials	1.00		LS	\$742.00	\$742.00	
	0.00			\$0.00	\$0.00	
					Subtotal Material:	\$2,014.00
					O&P	0.00% \$0.00
					TOTAL MATERIAL	\$2,014.00
SUBCONTRACTOR						
	<u>Quantity</u>		<u>Unit</u>	<u>Unit \$</u>	<u>Subtotals</u>	
Sub 1	0.00		LS	\$0.00	\$0.00	
Sub 2	0.00		LS	\$0.00	\$0.00	
					Subtotal Sub:	\$0.00
					O&P	10.00% \$0.00
					TOTAL SUB	\$0.00
					SUBTOTAL L+E+M+S:	\$3,611.29
					Bond	0.00% \$0.00
					TOTAL L+E+M+S:	\$3,611.29
					Roundup Each (Unit):	\$3,612.00
					Total Each (Unit):	4
					CO TOTAL:	\$ 14,448.00

Created by: S. Salihi, E.I.T, Resident Engineer, 12/03/20
 Checked by: A. Ronca, PE, PM, 12/03/20

1. Estimate based on rebar total then divided/averaged among each Planter; Labor cost incl. shop fabrication time.
2. 3 day additional time was considered for the estimated task.
3. Production rate and crew size was based on current crew size for similar work.
4. Trade rates reflect effective payroll rates, plus Contractor provided field overhead multiplier.
5. 2020 Rental Rate Blue Book rates were referenced and considered in preparation of this estimate.

Section C. Pencil Copy (working) Markups for Each Party's Estimate (PCO 05 & 07 only)

Cost Breakdown For Relocating/Lowering Sprinkler Line Under Planter 7

Labor & Equipment Costs

Labor

Classification	Days	Hours (ST)	Hours (OT)	Rate (hr)	OT Rate (hr)	Total
Foreman	1	8		\$ 38.00 ✓		\$ 304.00
Laborer	1	8	6	\$ 22.00 ✓		\$ 176.00
Laborer	1	8		\$ 20.97 ✓		\$ 167.76
Laborer	1	8		\$ 21.00 ✓		\$ 168.00
Admin. Costs, Profit & Benefits (45%)						\$ 367.09
Overhead and Profit (15%)	0					\$ 122.36
ok						
Total						\$ 1,305.22

Equipment

Equipment	Days	Hours (Active)	Hours (Stby)	Rate (Active)	Rate (Stby)	Total
Pick up Truck, Silverado 1500	1	8	0	\$ 28.26 ✓		\$ 226.08
Backhoe	1	2	0	\$ 34.87 ✓		\$ 69.74
Skid Steer, John Deere 317	1	6	0	\$ 29.63 ✓		\$ 59.26
					Allowance (10%)	\$ 35.51
					Total	\$ 390.59

Material

Material	Supplier	Quantity	Unit	Unit Price	Unit Price + Tax	Total
Waterline Materials		1	LS	\$ 454.78	\$ 482.07	\$ 482.07
					Allowance (15%)	\$ 72.31
					Total	\$ 554.38
Total						\$ 2,250.00

AKS
11/29/20

STV/County Independent Cost Estimate

Ballston-MU Station Area Improvements Project
Arlington County, VA
PCO 05 - Planter 7 Sprinkler Line Lowering
STV/County Independent Cost Estimate
11/24/2020

Description of Change:

Lowering the sprinkler line beneath Planter 7

Task Description	Quantity	Hours	Unit	Rate	Subtotals	Comments
LABOR						
Foreman	1.00	3.00	Hrs.	\$38.00 ✓	\$114.00	
Laborer (skilled)	1.00	3.00	Hrs.	\$22.00 ✓	\$66.00	
Laborer (unskilled)	1.00	3.00	Hrs.	\$21.00 ✓	\$63.00	
Laborer (unskilled)	1.00	3.00	Hrs.	\$21.00 ✓ 20.97	\$63.00	
Operator	1.00	3.00	Hrs.	\$23.93	\$71.79	→ not used
Dump Truck Driver	0.00	0.00	Hrs.	\$20.34	\$0.00	
Other Support	0.00	0.00	Hrs.	\$0.00	\$0.00	

Subtotal Labor Base:	\$377.79
Ind. Labor 44.31%	\$167.40
Subtotal Labor:	\$545.19
O&P 10.00%	\$54.52
TOTAL LABOR	\$599.71

EQUIPMENT	Quantity	Hours	Rate	Subtotals	Comments
Excavator	0.00	0.00	Hrs. \$115.85	\$0.00	
Backhoe	0.00	0.00	Hrs. \$34.87	\$0.00	
Skid Steer	1.00	3.00	Hrs. \$29.63 ✓	\$88.89	
Dump Truck (Large)	0.00	2	Hrs.	\$0.00	
Dump Truck (Small)	0.00		Hrs.	\$0.00	
Generator	0.00		Hrs.	\$0.00	
Small Tools	0.00		Hrs.	\$0.00	
Service Truck	1.00	3.00	Hrs. \$35.00	\$105.00	→ not used
Pickup Truck	1.00	3.00	Hrs. \$28.26 ✓	\$84.78	

Subtotal Equipment:	\$278.67
O&P 0.00%	\$0.00
TOTAL EQUIPMENT:	\$278.67

MATERIAL	Quantity	Unit	Unit \$	Subtotals	Comments
Water line Material	1.00	LS	\$371.00	\$371.00	see quote 20' 3/4" copper
	0.00		\$0.00	\$0.00	
	0.00		\$0.00	\$0.00	

Subtotal Material:	\$371.00
O&P 15.00%	\$55.65
TOTAL MATERIAL	\$426.65

SUBCONTRACTOR	Quantity	Unit	Unit \$	Subtotals
Sub 1	0.00	LS	\$0.00	\$0.00
Sub 2	0.00	LS	\$0.00	\$0.00
Subtotal Sub:				\$0.00
O&P 10.00%				\$0.00
TOTAL SUB				\$0.00

SUBTOTAL L+E+M+S:	\$1,305.03
Bond 1.50%	\$19.58
TOTAL L+E+M+S:	\$1,324.60

Roundup Each (Unit):	\$1,325.00
Total Each (Unit):	1
CO TOTAL:	\$ 1,325.00

Estimated by:
Sekander Salihi, E.I.T, Resident Engineer
Checked by: A Ronca, PE, PM

1. Estimate based on field conditions upon full excavation of Planter 7.
2. 1 day additional time was considered for the estimated task.
3. Production rate and crew size was based on current crew size for similar work.
4. Trade rates reflect effective payroll rates, plus Contractor provided field overhead multiplier.
5. 2020 Rental Rate Blue Book rates were referenced and considered in preparation of this estimate.

AR/SS
11/24/20
0 included

Cost Breakdown For Rebars in Planters

Labor & Equipment Costs

Labor

Classification	Days	Hours (ST)	Hours (OT)	Rate (hr)	OT Rate (hr)	Total
Foreman	1	9		\$ 38.00		\$ 342.00
Laborer	1	9		\$ 22.00		\$ 198.00
Laborer	1	9		\$ 20.97		\$ 188.73
Laborer	1	9		\$ 21.00		\$ 189.00
Admin. Costs, Profit & Benefits (45%)						\$ 412.98
Overhead and Profit (15%)						\$ 137.66
<i>ok</i>						\$ 0
Total						\$ 1,468.37

Equipment

Equipment	Days	Hours (Active)	Hours (Stby)	Rate (Active)	Rate (Stby)	Total
Pick up Truck, Silverado 1500	1	8	0	\$ 28.26		\$ 254.34
Backhoe	1	6	0	\$ 34.87		\$ 104.61
Skid Steer, John Deere 317	1	6	0	\$ 29.63		\$ 59.26
Allowance (15%)						\$ -11.82
Total						\$ 460.03

Material

Material	Supplier	Quantity	Unit	Unit Price	Unit Price + Tax	Total
Rebars		1	LS	\$ 1,200.00	\$ 1,272.00	\$ 1,272.00
Chairs and accessories		1	LS	\$ 200.00	\$ 212.00	\$ 212.00
Ties and Miscellaneous Materials		1	LS	\$ 500.00	\$ 530.00	\$ 530.00
Allowance (15%)						\$ 302.10
Total						\$ 2,316.10
Total						\$ 4,244.00

ok use vendor quote

*ACISS
11/24/20*

STV/County Independent Cost Estimate

Ballston-MU Station Area Improvements Project
Arlington County, VA
PCO 07 - Planter 5-8 CIP Rebar
STV/County Independent Cost Estimate
11/24/2020

GOVERNMENT ESTIMATE

Description of Change;

Addition of #4 rebars (omitted during design) for Planter's 5-8 CIP Sections

<u>Task Description</u>	<u>Quantity</u>	<u>Hours</u>	<u>Unit</u>	<u>Rate</u>	<u>Subtotals</u>	<u>Comments</u>
LABOR						
Foreman	1.00	7.00	Hrs.	\$38.00	\$266.00	
Laborer (skilled)	1.00	7.00	Hrs.	\$22.00	\$154.00	
Laborer (unskilled)	1.00	7.00	Hrs.	\$21.00	\$147.00	
Laborer (unskilled)	1.00	7.00	Hrs.	\$21.00	\$147.00	
Operator	1.00	2.00	Hrs.	\$23.93	\$47.86	not used
Dump Truck Driver	1.00	1.00	Hrs.	\$20.34	\$20.34	Load/Unload + 1 hr
Professional Services	1.00	2.00	Hrs.	\$50.00	\$100.00	Shop Drawings

incl. in cost of rebar

Subtotal Labor Base:	\$882.20
Ind. Labor 44.31%	\$390.90
Subtotal Labor:	\$1,273.10
O&P 10.00%	\$127.31
TOTAL LABOR	\$1,400.41

<u>EQUIPMENT</u>	<u>Quantity</u>	<u>Hours</u>	<u>Rate</u>	<u>Subtotals</u>	<u>Comments</u>
Excavator	0.00	0.00	Hrs. \$115.85	\$0.00	
Backhoe	1.00	2.00	Hrs. \$34.87	\$69.74	Load/Unload + 1 hr
Skid Steer	1.00	2.00	Hrs. \$29.63	\$59.26	
Dump Truck (Large)	0.00		Hrs.	\$0.00	
Dump Truck (Small)	0.00		Hrs.	\$0.00	
Generator	0.00		Hrs. not used	\$0.00	
Small Tools	0.00		Hrs. not used	\$0.00	
Service Truck	1.00	7.00	Hrs. \$35.00	\$245.00	
Pickup Truck	1.00	7.00	Hrs. \$28.26	\$197.82	

not used

Subtotal Equipment:	\$571.82
O&P 0.00%	\$0.00
TOTAL EQUIPMENT:	\$571.82

<u>MATERIAL</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit \$</u>	<u>Subtotals</u>
#4 Rebar	0.65	Ton	\$960.00	\$624.00
Misc Materials	1.00	LS	\$196.44	\$196.44
	0.00		\$0.00	\$0.00
Subtotal Material:				\$820.44
Allowance 15.00%				\$123.07
TOTAL MATERIAL				\$943.51

\$1,900 used

<u>SUBCONTRACTOR</u>	<u>Quantity</u>	<u>Unit</u>	<u>Unit \$</u>	<u>Subtotals</u>
Sub 1	0.00	LS	\$0.00	\$0.00
Sub 2	0.00	LS	\$0.00	\$0.00
Subtotal Sub:				\$0.00
Allowance 10.00%				\$0.00
TOTAL SUB				\$0.00

SUBTOTAL L+E+M+S:	\$2,915.74
Bond 0.00%	\$0.00
TOTAL L+E+M+S:	\$2,915.74
Roundup Each (Unit):	\$2,916.00
Total Each (Unit):	4
CO TOTAL:	\$ 11,664.00

RW

AR/SS 11/24/20

Estimated by:
Sekander Salihi, E.I.T, Resident Engineer
Checked by: A Ronca, PE, PM

1. No additional time was considered for the estimated task.
2. Production rate and crew size was based on current crew size for similar work.
3. Trade rates reflect effective payroll rates, plus Contractor provided field overhead multiplier.
4. RS Means and Rental Rate Blue Book values use for estimate.

Section D. Original Party Estimates (PCO 05 & 07 only)



Ardent Job: 193-20

November 20, 2020

Mr. Dara Soum, P.E,
Senior Transit Planner/Project Management Coordinator
Arlington, VA 22201
Tel. (office): 703-228-3202

**Re: Contract No. 20-110-9-6
Ballston MU Metro Station Area Improvements
Arlington County**

Dear Mr. Soum,

Ardent Company hereby submits a change order request for connecting new storm pipes with existing structure, furnishing and tying rebars for planters as well as lowering the 3/4" copper line under the planter #7.

There are 5 existing structures where new 11 new pipes are getting connected. The line item to connect the new pipes with existing structures is missing. A detailed breakdown for the connection is attached with this letter. Also, the four planters along Fairfax Drive have the cast in place concrete foundation. Rebars were added to the cast in place concrete base for those planters. A cost breakdown with quote of necessary materials is attached with this letter. Lastly, a 3/4" copper line is in conflict with planter 7. It has been decided to have the line lowered beneath the planter base.

Item#	Description	Qty	Unit	Unit Price	Total	Remarks
EW01	Connecting New Pipes with Existing Structure	5	EA	\$ 3,070.00	\$ 15,350.00	New Item
EW02	Rebars in Planters	4	EA	\$ 4,250.00	\$ 17,000.00	New Item
EW03	Relocating/Lowering Sprinkler Line Under Planter 7	1	LS	\$ 2,250.00	\$ 2,250.00	New Item
Total Net Change to Contract					\$ 34,600.00	

Should you have any questions, please do not hesitate to contact me.

Sincerely,
Ardent Company, LLC

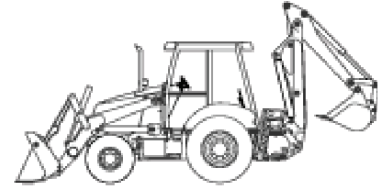
Arash Hooshangi, P.E.
Managing Director

Rental Rate Blue Book®

June 18, 2019

Deere 310G (disc. 2007)

Tractor-Loader-Backhoes

 Size Class:
14' to Under 15'
 Weight:
13170 feet

Configuration for 310G (disc. 2007)

Drive	4WD	Loader Bucket Capacity--Heaped	1.0 cu yd
Net Horsepower	70.0 hp	Operator Protection	ROPS/FOPS
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$2,655.00	\$745.00	\$185.00	\$28.00	\$18.85	\$33.94
Adjustments						
Region (Washington, District of Columbia: 106.2%)	\$164.61	\$46.19	\$11.47	\$1.74		
Model Year (2007: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$2,819.61	\$791.19	\$196.47	\$29.74	\$18.85	\$34.87

Non-Active Use Rates

	Hourly
Standby Rate	\$8.49
Idling Rate	\$24.92

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	\$876.15/mo
Overhaul (ownership)	47%	\$1,247.85/mo
CFC (ownership)	11%	\$292.05/mo
Indirect (ownership)	9%	\$238.95/mo
Fuel (operating) @ 3.27	47%	\$8.90/hr

Revised Date: 1st half 2019

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)

BBBdwwiOmentBatChdCf m

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Adjustments for Foreman's Truck in Foreman's Truck

. Jne 2u82019

Miscellaneous 4X4 1 3/4 362 CONV GAS

Un-k iohBaH Soht \$ JtHy rJOTg

Mze Dlagg:

300 HP & Over

Weioht:

N/A



Configuration for 4X4 1 3/4 362 CONV GAS

A, le Df nlioJratif n	4X4	I f Ber c f ve	Gasoline
k f rgeCf Ber	362	Dap yHCe	Conventional
yf n Natino	1 3/4		

Blue Book Rates

** Fk WA Nate ig ewJal tf the mf nthIHf BnerghiC Gt visivev pH1Rb QJg the hf JrlHegtimev f Ceratino G gtd

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
I Jplighev Nateg	q1827d00	q367d00	q9bd00	q13d00	q20d80	q2RfRb
Adjustments						
Neoif n 5Waghinotf n8	q99d20	q26d86	qbd1u	q0d16		
\$ igtriQ f LDf Jmpia: 10R24 (
c f vel %ear 52019: 1004 (-	-	-	-		
Av)Jgtev k f JrlH UBnerghiC Df gt 51004 (-	-	-	-		
k f JrlH UCeratino Df gt 51004 (-	
Total:	\$1,313.20	\$369.84	\$92.19	\$13.94	\$20.80	\$28.26

Non-Active Use Rates

ManvPH Nate

Ylino Nate

Hourly

q7d80

q23db2

Rate Element Allocation

Element	Percentage	Value
\$ eQreQatif n 5 BnerghiQ	7b4	qb9bd0jmf
UserhaJI 5 BnerghiQ	2u4	q377d27jmf
DFD 5 BnerghiQ	74	qb1d27jmf
YnvireQ 5 BnerghiQ	104	q122d70jmf
FJel 5 Ceratino(/ 2d87	R94	q1bd1bjhr

Nesigev \$ate: 1gt k allL2019

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yhe ewiOment reCregentev in thig reCf rt hag peen e, QJgiselHCeCarev lf r ANAMk k UUMk Ax GY5arventpf , -Jger/ Hbhf f dCf m(

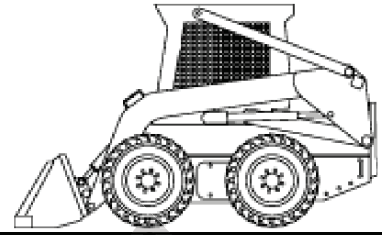
Adjustments for Skid Steer 317 in Skid

July 5, 2018

Deere 317 (disc. 2010)

Skid Steer Loaders

Size Class:
1601 - 1750 lbs
 Weight:
6,300 lbs.



Configuration for 317 (disc. 2010)

Power Mode **Diesel** Net Horsepower **57 hp**
 Operator Protection **ROPS** Operating Capacity (SAE) **1750 lbs**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$2,425.00	\$680.00	\$170.00	\$26.00	\$15.00	\$28.78
Adjustments						
Region (Washington, District of Columbia: 106.2%)	\$150.35	\$42.16	\$10.54	\$1.61		
Model Year (2010: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$2,575.35	\$722.16	\$180.54	\$27.61	\$15.00	\$29.63

Non-Active Use Rates

Standby Rate **Hourly** \$4.98
 Idling Rate \$20.98

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	22%	\$533.50/mo
Overhaul (ownership)	66%	\$1,600.50/mo
CFC (ownership)	4%	\$97.00/mo
Indirect (ownership)	8%	\$194.00/mo
Fuel (operating) @ 3.01	42%	\$6.35/hr

Revised Date: 2nd Half 2018

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)

Rental Rate Blue Book®

June 25, 2019

Miscellaneous 4X4 8YD DSL

On-Highway Rear Dumps

 Size Class:
26,001 - 33,000 GVW
 Weight:
9700 lbs

Configuration for 4X4 8YD DSL

Axle Configuration	4X4	Horsepower	217.0
Maximum Gross Vehicle Weight	30000.0 lbs	Power Mode	Diesel
Struck Capacity	7.0 - 8.0 cu yd		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$2,720.00	\$760.00	\$190.00	\$29.00	\$30.20	\$45.65
Adjustments						
Region (Washington, District of Columbia: 107.2%)	\$195.84	\$54.72	\$13.68	\$2.09		
Model Year (2019: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$2,915.84	\$814.72	\$203.68	\$31.09	\$30.20	\$46.77

Non-Active Use Rates

	Hourly
Standby Rate	\$11.43
Idling Rate	\$36.44

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	\$1,360.00/mo
Overhaul (ownership)	31%	\$843.20/mo
CFC (ownership)	8%	\$217.60/mo
Indirect (ownership)	11%	\$299.20/mo
Fuel (operating) @ 3.27	66%	\$19.87/hr

Revised Date: 1st half 2019

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)



FERGUSON WATERWORKS #1801
 13900 LOWE STREET
 CHANTILLY, VA 20151-3213

Phone: 703-375-6820
 Fax: 703-435-1662

Deliver To: From: Tanner Weaver Comments:

15:15:56 NOV 19 2020

FERGUSON WATERWORKS #1800
 Price Quotation
 Phone: 703-375-6820
 Fax: 703-435-1662

Bid No: B488920
Bid Date: 11/19/20
Quoted By: TRW

Cust Phone: 703-288-3250
Terms: 2% 25th Net 30th

Customer: ARDENT COMPANY LLC
 PO BOX 879
 MCLEAN, VA 22101

Ship To: ARDENT COMPANY LLC
 PO BOX 879
 MCLEAN, VA 22101

Cust PO#:

Job Name: BALLSTON METRO

Item	Description	Quantity	Net Price	UM	Total
KSOFTF60	3/4X60 K SOFT COP TUBE	60	434.654	C	260.79
M7476122F	LF 3/4 CTS COMP 90 BEND	4	34.964	EA	139.86
M7475822F	LF 3/4 CTS COMP UNION 3 PART	2	27.065	EA	54.13

Net Total: \$454.78
Tax: \$27.29
Freight: \$0.00
Total: \$482.07

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
 Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with "NP" in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=1801&on=140524>



STV/County Independent Cost Estimate

Ballston-MU Station Area Improvements Project
Arlington County, VA

PCO 05 - Planter 7 Sprinkler Line Lowering

STV/County Independent Cost Estimate

11/24/2020

Description of Change;

Lowering the sprinkler line beneath Planter 7

<u>Task Description</u>	<u>Quantity</u>	<u>Hours</u>	<u>Unit</u>	<u>Rate</u>	<u>Subtotals</u>	<u>Comments</u>
LABOR						
Foreman	1.00	3.00	Hrs.	\$38.00	\$114.00	
Laborer (skilled)	1.00	3.00	Hrs.	\$22.00	\$66.00	
Laborer (unskilled)	1.00	3.00	Hrs.	\$21.00	\$63.00	
Laborer (unskilled)	1.00	3.00	Hrs.	\$21.00	\$63.00	
Operator	1.00	3.00	Hrs.	\$23.93	\$71.79	
Dump Truck Driver	0.00	0.00	Hrs.	\$20.34	\$0.00	
Other Support	0.00	0.00	Hrs.	\$0.00	\$0.00	
Subtotal Labor Base:					\$377.79	
Ind. Labor					44.31%	\$167.40
Subtotal Labor:					\$545.19	
O&P					10.00%	\$54.52
TOTAL LABOR					\$599.71	
EQUIPMENT						
Excavator	0.00	0.00	Hrs.	\$115.85	\$0.00	
Backhoe	0.00	0.00	Hrs.	\$34.87	\$0.00	
Skid Steer	1.00	3.00	Hrs.	\$29.63	\$88.89	
Dump Truck (Large)	0.00		Hrs.		\$0.00	
Dump Truck (Small)	0.00		Hrs.		\$0.00	
Generator	0.00		Hrs.		\$0.00	
Small Tools	0.00		Hrs.		\$0.00	
Service Truck	1.00	3.00	Hrs.	\$35.00	\$105.00	
Pickup Truck	1.00	3.00	Hrs.	\$28.26	\$84.78	
Subtotal Equipment:					\$278.67	
O&P					0.00%	\$0.00
TOTAL EQUIPMENT:					\$278.67	
MATERIAL						
Water line Material	1.00		LS	\$371.00	\$371.00	20' 3/4" copper
	0.00			\$0.00	\$0.00	
	0.00			\$0.00	\$0.00	
Subtotal Material:					\$371.00	
O&P					15.00%	\$55.65
TOTAL MATERIAL					\$426.65	
SUBCONTRACTOR						
Sub 1	0.00		LS	\$0.00	\$0.00	
Sub 2	0.00		LS	\$0.00	\$0.00	
Subtotal Sub:					\$0.00	
O&P					10.00%	\$0.00
TOTAL SUB					\$0.00	
SUBTOTAL L+E+M+S:					\$1,305.03	
Bond					1.50%	\$19.58
TOTAL L+E+M+S:					\$1,324.60	
Roundup Each (Unit):					\$1,325.00	
Total Each (Unit):					1	
CO TOTAL:					\$ 1,325.00	

Estimated by:

Sekander Salihi, E.I.T, Resident Engineer

Checked by: A Ronca, PE, PM

1. Estimate based on field conditions upon full excavation of Planter 7.
2. 1 day additional time was considered for the estimated task.
3. Production rate and crew size was based on current crew size for similar work.
4. Trade rates reflect effective payroll rates, plus Contractor provided field overhead multiplier.
5. 2020 Rental Rate Blue Book rates were referenced and considered in preparation of this estimate.



Ardent Job: 193-20

November 20, 2020

Mr. Dara Soum, P.E,
Senior Transit Planner/Project Management Coordinator
Arlington, VA 22201
Tel. (office): 703-228-3202

**Re: Contract No. 20-110-9-6
Ballston MU Metro Station Area Improvements
Arlington County**

Dear Mr. Soum,

Ardent Company hereby submits a change order request for connecting new storm pipes with existing structure, **furnishing and tying rebars for planters** as well as lowering the 3/4" copper line under the planter #7.

There are 5 existing structures where new 11 new pipes are getting connected. The line item to connect the new pipes with existing structures is missing. A detailed breakdown for the connection is attached with this letter. Also, the four planters along Fairfax Drive have the cast in place concrete foundation. Rebars were added to the cast in place concrete base for those planters. A cost breakdown with quote of necessary materials is attached with this letter. Lastly, a 3/4" copper line is in conflict with planter 7. It has been decided to have the line lowered beneath the planter base.

Item#	Description	Qty	Unit	Unit Price	Total	Remarks
EW01	Connecting New Pipes with Existing Structure	5	EA	\$ 3,070.00	\$ 15,350.00	New Item
EW02	Rebars in Planters	4	EA	\$ 4,250.00	\$ 17,000.00	New Item
EW03	Relocating/Lowering Sprinkler Line Under Planter 7	1	LS	\$ 2,250.00	\$ 2,250.00	New Item
Total Net Change to Contract					\$ 34,600.00	

Should you have any questions, please do not hesitate to contact me.

Sincerely,
Ardent Company, LLC

Arash Hooshangi, P.E.
Managing Director

Cost Breakdown For Rebars in Planters

Labor & Equipment Costs

Labor

Classification	Days	Hours (ST)	Hours (OT)	Rate (hr)	OT Rate (hr)	Total
Foreman	1	9		\$ 38.00		\$ 342.00
Laborer	1	9		\$ 22.00		\$ 198.00
Laborer	1	9		\$ 20.97		\$ 188.73
Laborer	1	9		\$ 21.00		\$ 189.00
Admin. Costs, Profit & Benefits (45%)						\$ 412.98
Overhead and Profit (15%)						\$ 137.66
Total						\$ 1,468.37

Equipment

Equipment	Days	Hours (Active)	Hours (Stby)	Rate (Active)	Rate (Stby)	Total
Pick up Truck, Silverado 1500	1	9	0	\$ 28.26		\$ 254.34
Backhoe	1	3	0	\$ 34.87		\$ 104.61
Skid Steer, John Deere 317	1	2	0	\$ 29.63		\$ 59.26
<i>Allowance (10%)</i>						\$ 41.82
Total						\$ 460.03

Material

Material	Supplier	Quantity	Unit	Unit Price	Unit Price + Tax	Total
Rebars		1	LS	\$ 1,200.00	\$ 1,272.00	\$ 1,272.00
Chairs and accessories		1	LS	\$ 200.00	\$ 212.00	\$ 212.00
Ties and Miscellaneous Materials		1	LS	\$ 500.00	\$ 530.00	\$ 530.00
<i>Allowance (15%)</i>						\$ 302.10
Total						\$ 2,316.10

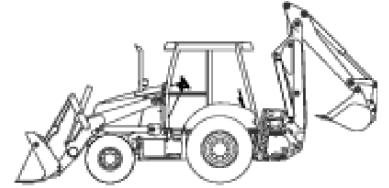
Total \$ **4,244.00**

Rental Rate Blue Book®

June 18, 2019

Deere 310G (disc. 2007)

Tractor-Loader-Backhoes

 Size Class:
14' to Under 15'
 Weight:
13170 feet

Configuration for 310G (disc. 2007)

Drive	4WD	Loader Bucket Capacity--Heaped	1.0 cu yd
Net Horsepower	70.0 hp	Operator Protection	ROPS/FOPS
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$2,655.00	\$745.00	\$185.00	\$28.00	\$18.85	\$33.94
Adjustments						
Region (Washington, District of Columbia: 106.2%)	\$164.61	\$46.19	\$11.47	\$1.74		
Model Year (2007: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$2,819.61	\$791.19	\$196.47	\$29.74	\$18.85	\$34.87

Non-Active Use Rates

	Hourly
Standby Rate	\$8.49
Idling Rate	\$24.92

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	\$876.15/mo
Overhaul (ownership)	47%	\$1,247.85/mo
CFC (ownership)	11%	\$292.05/mo
Indirect (ownership)	9%	\$238.95/mo
Fuel (operating) @ 3.27	47%	\$8.90/hr

Revised Date: 1st half 2019

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)

BBBdwwiOmentBatChdCf m

All CriQeg ghf Bn in PMq

Adjustments for Foreman's Truck in Foreman's Truck

. Jne 2u82019

Miscellaneous 4X4 1 3/4 362 CONV GAS

Un-k iohBaH Soht \$ JtHy rJOTg

Mze Dlagg:

300 HP & Over

Weioht:

N/A



Configuration for 4X4 1 3/4 362 CONV GAS

A, le Df nlioJratif n	4X4	I f Ber c f ve	Gasoline
k f rgeCf Ber	362	Dap yHCe	Conventional
yf n Natino	1 3/4		

Blue Book Rates

** Fk WA Nate ig ewJal tf the mf nthIHf BnerghiC Gt visivev pH1Rb QJg the hf JrlHegtimev f Ceratino G gtd

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
I Jplighev Nateg	q1827d00	q367d00	q9bd00	q13d00	q20d80	q2RfB
Adjustments						
Neoif n 5Waghinotf n8	q99d20	q26d86	qbd1u	q0d16		
\$ igtriQ f LDf Jmpia: 10R24 (
c f vel %ear 52019: 1004 (-	-	-	-		
Av)Jgtev k f JrlH UBnerghiC Df gt 51004 (-	-	-	-		
k f JrlH UCeratino Df gt 51004 (-	
Total:	\$1,313.20	\$369.84	\$92.19	\$13.94	\$20.80	\$28.26

Non-Active Use Rates

ManvPH Nate	Hourly	q7d80
Ylino Nate		q23db2

Rate Element Allocation

Element	Percentage	Value
\$ eQreQatif n 5 BnerghiQ	7b4	qb9bd0jmf
UserhaJI 5 BnerghiQ	2u4	q377d27jmf
DFD 5 BnerghiQ	74	qb1d27jmf
YnvireQ 5 BnerghiQ	104	q122d70jmf
F Jel 5 Ceratino(/ 2d87	R94	q1bd1bjhr

Nesigev \$ate: 1gt k allL2019

yhege are the mf gt aCJrate rateg lf r the geleQev Nesigif n \$ate5(dk f Beser8vJe tf mf re lrewJent f nline JCVateg8thege rateg maHnf t matCh
Nental Nate @Je @ f TI rintdVigit the Df gt NeC serHI rf vJQ GJive f n f Jr k eIC Caoe lf r mf re inlf rmatif nd

yhe ewiOment reCregentev in thig reCf rt hag peen e, QJgiselHCeCarev lf r ANAMk k UUMk Ax GY5arventpf , -Jger/ Hbh f dC m(

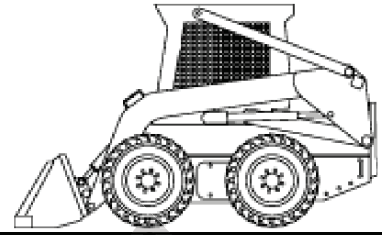
Adjustments for Skid Steer 317 in Skid

July 5, 2018

Deere 317 (disc. 2010)

Skid Steer Loaders

Size Class:
1601 - 1750 lbs
 Weight:
6,300 lbs.



Configuration for 317 (disc. 2010)

Power Mode **Diesel** Net Horsepower **57 hp**
 Operator Protection **ROPS** Operating Capacity (SAE) **1750 lbs**

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$2,425.00	\$680.00	\$170.00	\$26.00	\$15.00	\$28.78
Adjustments						
Region (Washington, District of Columbia: 106.2%)	\$150.35	\$42.16	\$10.54	\$1.61		
Model Year (2010: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$2,575.35	\$722.16	\$180.54	\$27.61	\$15.00	\$29.63

Non-Active Use Rates

Standby Rate **Hourly** \$4.98
 Idling Rate \$20.98

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	22%	\$533.50/mo
Overhaul (ownership)	66%	\$1,600.50/mo
CFC (ownership)	4%	\$97.00/mo
Indirect (ownership)	8%	\$194.00/mo
Fuel (operating) @ 3.01	42%	\$6.35/hr

Revised Date: 2nd Half 2018

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)

Rental Rate Blue Book®

June 25, 2019

Miscellaneous 4X4 8YD DSL

On-Highway Rear Dumps

 Size Class:
26,001 - 33,000 GVW
 Weight:
9700 lbs

Configuration for 4X4 8YD DSL

Axle Configuration	4X4	Horsepower	217.0
Maximum Gross Vehicle Weight	30000.0 lbs	Power Mode	Diesel
Struck Capacity	7.0 - 8.0 cu yd		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$2,720.00	\$760.00	\$190.00	\$29.00	\$30.20	\$45.65
Adjustments						
Region (Washington, District of Columbia: 107.2%)	\$195.84	\$54.72	\$13.68	\$2.09		
Model Year (2019: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$2,915.84	\$814.72	\$203.68	\$31.09	\$30.20	\$46.77

Non-Active Use Rates

	Hourly
Standby Rate	\$11.43
Idling Rate	\$36.44

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	\$1,360.00/mo
Overhaul (ownership)	31%	\$843.20/mo
CFC (ownership)	8%	\$217.60/mo
Indirect (ownership)	11%	\$299.20/mo
Fuel (operating) @ 3.27	66%	\$19.87/hr

Revised Date: 1st half 2019

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)

From: Bijay Subedi <bijay@ardentcompany.com>
Sent: Tuesday, November 24, 2020 4:14 PM
To: Ronca, Alfonso <Alfonso.Ronca@stvinc.com>; Salihi, Sekander <Sekander.Salihi@stvinc.com>; 'Vivek Thukral ' <vivek@ardentcompany.com>
Subject: FW: Ballston Metro Staion Rebar Quote - Pricing

****This e-mail is from outside STV****

FYI

Thanks,
Bijay

From: Parker, Brett H [<mailto:Brett.Parker@cmc.com>]
Sent: Friday, November 13, 2020 1:19 PM
To: Bijay Subedi
Cc: vivek@ardentcompany.com; Parker, Brett H
Subject: FW: Ballston Metro Staion Rebar Quote - Pricing

Bijay,

My calculation has this just shy of 1 ton of plain #3 material. Cost would be \$2,400.00 plus any applicable tax. 1 delivery is included. No bar supports are included.

**\$2,400 is for Planters
6 & 7, so use \$4,800
for all 4 planters**

Brett H Parker
Area Sales Manager

office: 540.709.2254 **mobile:** 540.940.5000

COMMERCIAL METALS COMPANY
CMC Rebar
9434 Crossroads Pkwy | Fredericksburg, VA 22408
10924 Dennis W Kerns Pkwy | King George, VA 22485
cmc.com

From: Dailey, John M <John.Dailey@cmc.com>
Sent: Wednesday, November 11, 2020 6:42 AM
To: Parker, Brett H <Brett.Parker@cmc.com>; Byrd, Regina M <Regina.Byrd@cmc.com>
Subject: FW: Ballston Metro Staion Rebar Quote

Please see information below and attached, customer looking for quote.

John Dailey
Senior Detailer

office: 717-840-2878

COMMERCIAL METALS COMPANY
CMC Rebar
2641 Carnegie Rd. | York, PA 17402
cmc.com

From: Bijay Subedi <bijay@ardentcompany.com>
Sent: Tuesday, November 10, 2020 4:42 PM
To: Dailey, John M <John.Dailey@cmc.com>
Cc: 'Vivek Thukral' <vivek@ardentcompany.com>
Subject: Ballston Metro Staion Rebar Quote

CAUTION: This email originated from outside of CMC's network. Do not click on links or open attachments unless you trust the sender and know the content is safe.

Hi John,

I am looking for a quote for #4 rebar 12" on center each way to put in a U shaped cast in place concrete under the footprint of precast structure.

There will be 8" thick base slab at the bottom of planter footprint. A 8" thick and 8" tall vertical concrete wall will be along the edges of that slab. A simple schematic of how the CIP concrete will look in the section view is shown in the PDF.

Can you quote me on this? We will also need rebar shopdrawing later.

Name of the project is Ballston Metro Station Project and please include the cost for delivery near 901 N Stuart St, Arlington, VA 22203.

Best Regards,

Bijay Subedi
Project Manager
Ardent Company, LLC
Office:- 703-288-3250 (Ext 209)
Cell:- 703-888-9923
Fax:- 703-288-3251



STV/County Independent Cost Estimate

Ballston-MU Station Area Improvements Project
Arlington County, VA

GOVERNMENT ESTIMATE

PCO 07 - Planter 5-8 CIP Rebar

STV/County Independent Cost Estimate

11/24/2020

Description of Change;

Addition of #4 rebars (omitted during design) for Planter's 5-8 CIP Sections

<u>Task Description</u>	<u>Quantity</u>	<u>Hours</u>	<u>Unit</u>	<u>Rate</u>	<u>Subtotals</u>	<u>Comments</u>
LABOR						
Foreman	1.00	7.00	Hrs.	\$38.00	\$266.00	
Laborer (skilled)	1.00	7.00	Hrs.	\$22.00	\$154.00	
Laborer (unskilled)	1.00	7.00	Hrs.	\$21.00	\$147.00	
Laborer (unskilled)	1.00	7.00	Hrs.	\$21.00	\$147.00	
Operator	1.00	2.00	Hrs.	\$23.93	\$47.86	Load/Unload + 1 hr
Dump Truck Driver	1.00	1.00	Hrs.	\$20.34	\$20.34	Load/Unload
Professional Services	1.00	2.00	Hrs.	\$50.00	\$100.00	Shop Drawings
					Subtotal Labor Base:	\$882.20
					Ind. Labor	44.31% \$390.90
					Subtotal Labor:	\$1,273.10
					O&P	10.00% \$127.31
					TOTAL LABOR	\$1,400.41
EQUIPMENT						
	<u>Quantity</u>	<u>Hours</u>		<u>Rate</u>	<u>Subtotals</u>	
Excavator	0.00	0.00	Hrs.	\$115.85	\$0.00	
Backhoe	1.00	2.00	Hrs.	\$34.87	\$69.74	Load/Unload + 1 hr
Skid Steer	1.00	2.00	Hrs.	\$29.63	\$59.26	
Dump Truck (Large)	0.00		Hrs.		\$0.00	
Dump Truck (Small)	0.00		Hrs.		\$0.00	
Generator	0.00		Hrs.		\$0.00	
Small Tools	0.00		Hrs.		\$0.00	
Service Truck	1.00	7.00	Hrs.	\$35.00	\$245.00	
Pickup Truck	1.00	7.00	Hrs.	\$28.26	\$197.82	
					Subtotal Equipment:	\$571.82
					O&P	0.00% \$0.00
					TOTAL EQUIPMENT:	\$571.82
MATERIAL						
	<u>Quantity</u>		<u>Unit</u>	<u>Unit \$</u>	<u>Subtotals</u>	
#4 Rebar	0.65		Ton	\$960.00	\$624.00	
Misc Materials	1.00		LS	\$196.44	\$196.44	
	0.00			\$0.00	\$0.00	
					Subtotal Material:	\$820.44
					Allowance	15.00% \$123.07
					TOTAL MATERIAL	\$943.51
SUBCONTRACTOR						
	<u>Quantity</u>		<u>Unit</u>	<u>Unit \$</u>	<u>Subtotals</u>	
Sub 1	0.00		LS	\$0.00	\$0.00	
Sub 2	0.00		LS	\$0.00	\$0.00	
					Subtotal Sub:	\$0.00
					Allowance	10.00% \$0.00
					TOTAL SUB	\$0.00
					SUBTOTAL L+E+M+S:	\$2,915.74
					Bond	0.00% \$0.00
					TOTAL L+E+M+S:	\$2,915.74
					Roundup Each (Unit):	\$2,916.00
					Total Each (Unit):	4
					CO TOTAL:	\$ 11,664.00

Estimated by: S. Salihi, E.I.T, Resident Engineer, 11/20/20
Checked by: A. Ronca, PE, PM, 11/24/20

1. No additional time was considered for the estimated task.
2. Production rate and crew size was based on current crew size for similar work.
3. Trade rates reflect effective payroll rates, plus Contractor provided field overhead multiplier.
4. RS Means and Rental Rate Blue Book values use for estimate.

CO 02 Backup Documentation

CO 02 Includes:

- **PCO 04 – WMATA Dry Standpipe Relocation**
- **PCO 11 – Overruns for Excavation and Construction Signs**

Section A. Memorandum of Negotiations

Section B. Itemized Final Negotiation Breakdown (PCO 04)

Section C. Overruns for Excavation & Construction Signs (PCO 11)

Section D. Pencil Copy (working) Markups for Each Party's Estimate (PCO 04)

Section E. Original Party Estimates (PCO 04)

Section A. Memorandum of Negotiations

**Ballston-MU Station Area Improvements Project
MEMORANDUM OF NEGOTIATIONS**

CHANGE ORDER No. 2 – Add one (1) new item: WMATA Dry Standpipe Relocation; Increase two (2) existing bid items: “Excavation” by 200 CY and “Construction Sign” by 200 SF.

CONTRACT No: 20-110-9-6

DATE: 02/16/21

1. **PROJECT:** Ballston-MU Station Area Improvements Project

2. **REASON FOR CHANGE ORDER:** See Remarks below.

3. **ARLINGTON COUNTY ESTIMATE (ACE):**

Amount: \$29,747.00

Date: 01/19/20

4. **CONTRACTOR’S PROPOSAL (CP):**

Amount: \$37,887.00

Date: 01/06/21

5. **NEGOTIATIONS:**

Amount: New Items (1)	\$24,291.00
Increase of Ex. Items (2)	<u>\$11,000.00</u>
	\$35,291.00

Date: 01/21/21

6. **REMARKS:**

Item No. 1 (PCO 04) – Relocation of WMATA Dry Standpipe (New Item):

- Reason for Change Order: Upon excavating to the horizontal and vertical limits of Planter 5, an unmarked 4” DIP was discovered and that would conflict with the Planter substructure. Without direction from the County or STV, Ardent performed a field test (cut hole in pipe). Upon finding no flow, Ardent assumed it was abandoned and removed the section of pipe within the Planter limits on or about 09/18/20. Further investigation revealed the line was a live, dry WMATA fire service for the Ballston Station, so it was repaired temporarily. Further coordination with WMATA resulted in the decision to ultimately relocate the line to the outside of the Planter 5 footprint and its standpipe to the west of Planter 5 because WMATA does not want structures atop its utilities and a price proposal to perform the work was requested from Ardent.
- Negotiation Recap: Held 01/21/21: Bijay Subedi (PM) and Vivek Thukral (Sr. PM) representing Ardent (Contractor); Alfonso Ronca (PM) and Sekander Salihi (RE) representing Arlington County met virtually. Both parties agreed to use subcontractor expenses as presented in the CP then presented each party’s estimate for this new item: Arlington County Estimate (ACE) = \$18,747.00; Contractor’s Proposal (CP) = \$26,887.00.

The parties discussed the specifics of this change in order to ensure that there was a mutual understanding of the scope of work involved. Both parties negotiated and acknowledged the following:

- (1) The CP labor hours were excessive re no. of days required (5); The ACE estimated 3 days. The ACE agreed time could be added due to the need to hand dig atop the WMATA mezzanine.
- (2) The CP crew size was short 1 unskilled laborer.
- (3) Labor burden (payroll taxes) is a real cost to consider as a CP labor cost.
- (4) The ACE and CP estimated varying equipment hours and material amounts and agreed that both should be adjusted.
- (5) The CP (and ACE) inadvertently omitted the rental cost of the air pump needed for hydrostatic testing that was provided shortly after the negotiation session.
- (6) The ACE didn't include dump, flowable fill and compaction test expenses but should have.
- (7) The CP shouldn't have included OH&P % for equip./materials per contract requirements.
- (8) The CP did not request time for the work but should have.

Based on these acknowledgements, the CP and ACE agreed: to compromise midway on the total days required (4); to add 1 laborer and include labor burden/taxes hours; to include the air pump and dump expenses for spoils; to use the CP estimate for 21A stone and flowable fill materials; ad to remove the OH&P % for equip./materials per contract requirements

As a result, the parties arrived at a Lump Sum (LS) price of \$24,291.00 with a 4 CD extension of the contract duration.

Item No. 2 (PCO 11) – Excavation (Existing Item):

Reason for Change Order: The contract quantity was underestimated. As a result, 200 CY will be added to the contract. Computation details are attached.

Item No. 3 (PCO 11) – Construction Sign (Existing Item):

Reason for Change Order: The contract quantity was underestimated. As a result, 200 SF will be added to the contract. Details are attached.

• Summary of Negotiations	Arlington County Estimate	Contractor's Proposal	Negotiated Price
Add 1 New Items; Increase 2 Existing Items	\$29,747.00	\$37,887.00	\$35,291.00

The negotiations of 01/21/21 resulted in all parties agreeing to the same unit price for the one (1) new contract item and the two (2) existing contract items.

Based upon the findings, it is recommended that a change order be issued to Ardent for a lump sum amount of \$35,291.00. The following find the price to be fair and reasonable for the work involved.



Arash Hooshangi, Ardent President

2/16/21

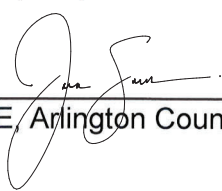
Date



Sekander Salihi, EIT, STV Resident Engineer

2/16/21

Date



Dara Soum, PE, Arlington County Project Manager

3/25/2021

Date

Section B. Itemized Final Negotiation Breakdown (PCO 04)

ARDENT



Final Negotiation Copy, 02/16/21

Ballston-MU Station Area Improvements Project
Arlington County, VA

PCO 04- WMATA Dry Standpipe Relocation

Description of Change;

Relocation of WMATA Dry Standpipe to west of Planter 5 including new 4" line connection

Task Description	Quantity	Hours	Unit	Rate	Subtotals	Comments
LABOR						
Foreman	1.00	32.00	Hrs.	\$38.00	\$1,216.00	
Laborer (skilled)	2.00	32.00	Hrs.	\$22.00	\$1,408.00	
Laborer (unskilled)	1.00	32.00	Hrs.	\$21.00	\$672.00	
Laborer (unskilled)	1.00	32.00	Hrs.	\$20.97	\$671.04	agreed to add additional laborer
Operator	0.00	0.00	Hrs.	\$23.93	\$0.00	no separate operator, laborer used
Dump Truck Driver	0.00	0.00	Hrs.	\$20.34	\$0.00	
Other	0.00	0.00	Hrs.	\$50.00	\$0.00	
Subtotal Labor Base:					\$3,967.04	
Ind. Labor:					15.15%	\$601.01
						agreed to incl payroll burden as real cost
Subtotal Labor:					\$4,568.05	
O&P:					15.00%	\$685.21
						O&P is on Base + Indirect Labor
TOTAL LABOR					\$5,253.25	
EQUIPMENT						
Excavator	0.00	0.00	Hrs.	\$115.85	\$0.00	
Backhoe	1.00	24.00	Hrs.	\$34.87	\$836.88	
Skid Steer	1.00	32.00	Hrs.	\$29.63	\$948.16	
Dump Truck (Large)	1.00	0.00	Hrs.	\$97.40	\$0.00	
Dump Truck (Small)	1.00	13.00	Hrs.	\$46.77	\$608.01	
Generator	0.00		Hrs.		\$0.00	
Concrete Saw	1.00	24.00	Hrs.	\$23.69	\$568.56	
Small Tools	0.00		Hrs.		\$0.00	
Hydrostatic Air Pump	1.00	8.00	Hrs.	\$58.01	\$464.10	Sunbelt Rentals for hydrostatic testing
Service Truck	0.00	0.00	Hrs.	\$35.00	\$0.00	no service truck used
Pickup Truck	1.00	32.00	Hrs.	\$28.26	\$904.32	incl add time for misc. duties
Subtotal Equipment:					\$4,330.03	
O&P:					0.00%	\$0.00
						previously omitted inadvertently
TOTAL EQUIPMENT:					\$4,330.03	
MATERIAL						
Waterline	1.00		Ton	\$4,244.07	\$4,244.07	Supplier (Ferguson)
Corrosion Materials	1.00		LS	\$3,375.00	\$3,375.00	Supplier (Piping & Corrosion)
21A Stone	14.20		TON	\$21.50	\$305.30	
Dump Fee	1.00		EA	\$190.00	\$190.00	
Flowable Fill	1.00		CY	\$416.00	\$416.00	
Subtotal Material:					\$8,530.37	
Price +6% Tax					\$9,042.19	
O&P:					0.00%	\$0.00
TOTAL MATERIAL					\$9,042.19	
SUBCONTRACTOR						
Liggie Surveys	1.00			\$2,400.00	\$2,400.00	includes computation/skateout/as-buits
Piping and Corrosion	3.00			\$800.00	\$2,400.00	
Testing (Compaction)	1.00			\$350.00	\$350.00	
Subtotal Sub:					\$5,150.00	
O&P:					10.00%	\$515.00
TOTAL SUB					\$5,665.00	
SUBTOTAL L+E+M+S:					\$24,290.48	
Bond:					0.00%	\$0.00
TOTAL L+E+M+S:					\$24,290.48	
Roundup Each (Unit):					\$24,291.00	
Total Each (Unit):					1	
CO TOTAL:					\$ 24,291.00	

Created by: S. Salihi, E.I.T, Resident Engineer,
Checked by: A. Ronca, PE,

1. 4 days time was considered for the estimated task.
2. Production rate and crew size was based on current crew size for similar work.
3. Trade rates reflect effective payroll rates, plus payroll burden.
4. 2020 Rental Rate Blue Book rates were referenced and considered in preparation of this estimate.

Section C. Overruns for Excavation & Construction Signs (PCO 11)

Overrun for construction sign

Regards,

Sekander Salihi, EIT
Resident Engineer
Ballston-MU Metro Station Area Improvements Project
Cell: 202-424-9458



From: Bijay Subedi <bijay@ardentcompany.com>
Sent: Wednesday, February 3, 2021 3:37 PM
To: Salihi, Sekander <Sekander.Salihi@stvinc.com>
Subject: FW: Phase 1 Sign

****This e-mail is from outside STV****

Please see below. Some other signs were also installed, so for phase 1 it is 275.5 SF or 34.5 SF overrun.

Now, after adding the signs from sheet 31 and 32 from other phases except for phase 1, it will be 157.17sf.

Total overrun will be 191.67 SF.

Thanks,
Bijay

CLIENT	MADE BY	CHECKED BY	PROJECT NO.	
PROJECT	S. Salihi	A. Ronca		
SUBJECT	DATE	DATE	REVISION	SHEET NO.
	1-19-21	1-19-21		

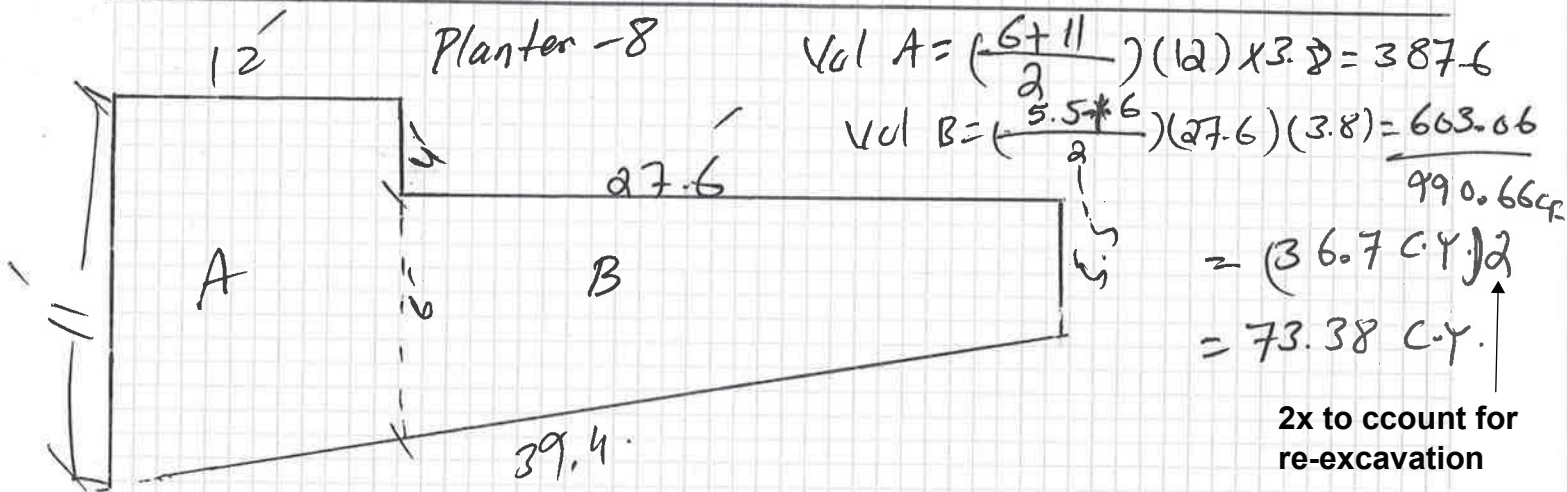
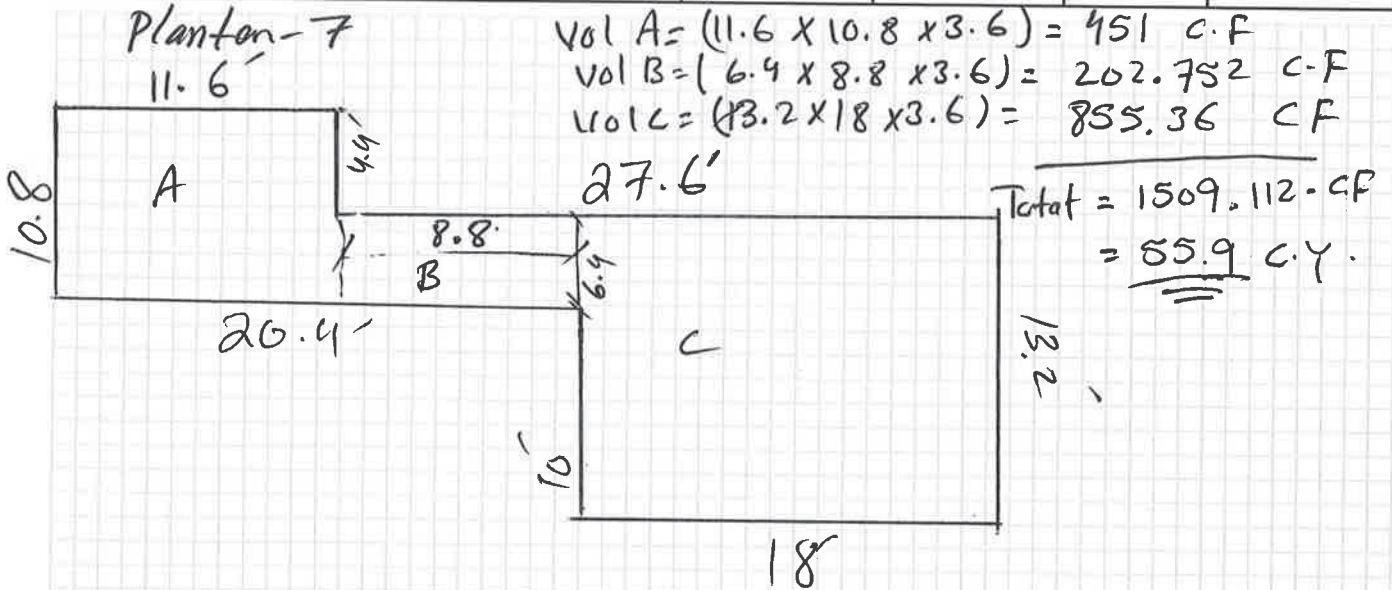
Planter - 5

$Vol A = \left(\frac{6+8}{2}\right)(12)(3.7) = 310.8 \text{ C.F}$
 $Vol B = \left(\frac{4.6+8.8}{2}\right)(28)(3.7) = 694.12 \text{ C.F}$
 $Total Vol = A + B = 310.8 + 694.12 = 1004.92 \text{ C.F}$
 $= 1004.9 / 27 = 37.22 \text{ C.Y.}$

Planter - 6

$Vol A = 15.6 \times 10 \times 3.7 = 577.2 \text{ C.F}$
 $Vol B = 6 \times 6 \times 3.7 = 133.2 \text{ C.F}$
 $Vol C = 15.2 \times 18 \times 3.7 = 1012.32$
 $27.2' \text{ Total} = \frac{1722.72 \text{ C.F}}{27} = 63.8 \text{ C.Y.}$

CLIENT	MADE BY	CHECKED BY	PROJECT NO.	
PROJECT				
SUBJECT	DATE	DATE	REVISION	SHEET NO.



Total Excavate = $73.38 + 55.9 + 63.8 + 37.22 = 230.3 \text{ C.Y.}$

Over Run Needed = $(230.3)(25\%) + 230.3$
 $= \underline{\underline{287.87 \text{ C.Y.}}}$

+ 104.26 CY (current amt. expended)

392.13 CY

- 200.00 CY (current contract amt.)

192.13 CY → 200.00 CY

= Amt. to add this CO

Section D. Pencil Copy (working) Markups for Each Party's Estimate (PCO 04)

Cost Breakdown for Relocation of Standpipe

Labor & Equipment Costs

Labor

Agreed to add additional Laborers

Classification	Days	Hours (ST)	Hours (OT)	Rate (hr)	OT Rate (hr)	Total
Foreman	5	4	8	\$ 38.00		\$ 1,520.00
Laborer	5	4	8	\$ 22.00		\$ 880.00
Laborer x2	5	4	8	\$ 20.97		\$ 838.80
Laborer	5	4	8	\$ 21.00		\$ 840.00
Admin. Costs, Profit & Benefits (45%)						\$ 1,835.46
Overhead and Profit (15%)						\$ 611.82
<i>15-15% Agreed to inc payroll burden as real cost</i>						
Total						\$ 6,526.08

Equipment

Equipment	Days	Hours (Active)	Hours (Stby)	Rate (Active)	Rate (Stby)	Total
Pick up Truck, Silverado 1500	5	4	0	\$ 28.26		\$ 1,130.40
Backhoe	3	8	0	\$ 34.87		\$ 836.88
Skid Steer, John Deere 317	5	4	0	\$ 29.63		\$ 1,185.20
Concrete Saw	3	8	0	\$ 23.69		\$ 568.56
<i>Agreed on to add Dump trucks for 13 hrs, and Hydrostatic Air Pump for 8 hr</i>						
<i>Allowance (10%)</i>						\$ 372.10
Total						\$ 4,093.14

Material

Material	Supplier	Quantity	Unit	Unit Price	Unit Price + Tax	Total
Waterline Materials	Ferguson	1	LS	\$ 4,244.07	\$ 4,498.72	\$ 4,498.72
Corrosion Materials	Piping and Corrosion	1	LS	\$ 3,375.00	\$ 3,577.50	\$ 3,577.50
21A Stone		14.22	TON	\$ 21.50	\$ 22.79	\$ 324.12
Flowable Fill		0.145	CY	\$ 116.00	\$ 440.96	\$ 64.14
<i>Moved here to DUMP Fee</i>						
<i>Allowance (15%)</i>						\$ 1,209.67
Total						\$ 9,734.15

Subcontractor

Moved to Equipment section

Work	Sub Contractor	Day	Hours	Rate	Lump Sum	Total
Trucking (Rental)		1	8	\$ 75.00	\$ -	\$ 600.00
Dump Fee	DC Materials	1			\$ 190.00	\$ 190.00
Survey and Asbuils	Liggie Surveys	1			\$ 2,400.00	\$ 2,400.00
Piping and Corrosion	Piping and Corrosion	3			\$ 800.00	\$ 2,400.00
Compaction Test		1		\$ 350.00	\$ 350.00	\$ 350.00
<i>Allowance (10%)</i>						\$ 594.00
Total						\$ 6,534.00

Total \$ 26,887.00

- 1 Day Excavation
- 1 Day Assemble the fittings and install the pipes.
- 1 Day Pressure Testing and Flushing
- 1 Day Disassemble the Standpipe, reinstall at new location, tie-in with existing waterline, place flowable fill and cap to abandon the waterline.
- 1 Day Backfilling and Compaction

*AR/SS
02/01/21*

STV/County Independent Cost Estimate, 01/19/21

Ballston-MU Station Area Improvements Project
Arlington County, VA
PCO 04- WMATA Dry Standpipe Relocation

Description of Change;

Relocation of WMATA Dry Standpipe to west of Planter 5 including new 4" line connection

Task Description	Quantity	Hours	Unit	Rate	Subtotals	Comments
LABOR						
Foreman	1.00	24.00	Hrs.	\$38.00	\$912.00	
Laborer (skilled)	2x1.00	24.00	Hrs.	\$22.00	\$528.00	- Agreed to add additional laborers
Laborer (unskilled)	1.00	32.24	Hrs.	\$21.00	\$677.04	
Laborer (unskilled)	1.00	24.00	Hrs.	\$20.97	\$503.28	
Operator	0.00	0.00	Hrs.	\$23.93	\$0.00	no separate operator, laborer used
Dump Truck Driver	0.00	0.00	Hrs.	\$20.34	\$0.00	
Other	0.00	0.00	Hrs.	\$50.00	\$0.00	
Subtotal Labor Base:					\$2,447.28	
Ind. Labor					0.00%	\$0.00 - 15.5% agreed to incl payroll burden as real cost
Subtotal Labor:					\$2,447.28	
O&P					15.00%	\$367.09 O&P is on Base + Indirect Labor
TOTAL LABOR					\$2,814.37	

EQUIPMENT	Quantity	Hours	Unit	Rate	Subtotals	Comments
Excavator	0.00	0.00	Hrs.	\$115.85	\$0.00	
Backhoe	1.00	24.00	Hrs.	\$34.87	\$836.88	
Skid Steer	1.00	32.24	Hrs.	\$29.63	\$955.72	* Subbelt Rental pos hydrostatic testing
Dump Truck (Large)	0.00		Hrs.	\$97.40	\$0.00	
Dump Truck (Small)	1.00	13.800	Hrs.	\$46.77	\$645.56	
Generator	0.00		Hrs.		\$0.00	
Concrete Saw	1.00	24.00	Hrs.	\$23.69	\$568.56	
Small Tools	0.00		Hrs.		\$0.00	
Service Truck	0.00	0.00	Hrs.	\$35.00	\$0.00	no service truck used
Pickup Truck	1.00	24.00	Hrs.	\$28.26	\$678.24	incl add time for misc. duties
Subtotal Equipment:					\$2,600.40	
O&P					0.00%	\$0.00 previously omitted inadvertently
TOTAL EQUIPMENT:					\$2,600.40	

MATERIAL	Quantity	Unit	Unit \$	Subtotals	Comments	
Waterline	1.00	Ton	\$4,244.07	\$4,244.07	Supplier (Ferguson)	
Corrosion Materials	1.00	LS	\$3,375.00	\$3,375.00	Supplier (Piping & Corrosion)	
21A Stone	14.2	TON	\$21.50	\$305.30		
Dump Fee	1.00	EA	\$190.00	\$190.00	see Equipment section	
Flowable Fill	0.145	CY	\$416.00	\$60.32		
Subtotal Material:					\$8,062.89	
Price +6% Tax					\$546.66	
O&P					0.00%	\$0.00
TOTAL MATERIAL					\$8,546.66	

SUBCONTRACTOR	Quantity	Hrs	Unit \$	Subtotals	Comments	
Ligge Surveys	1.00		\$2,400.00	\$2,400.00	includes computation/skateout/as-buits	
Piping and Corrosion	2.00		\$800.00	\$1,600.00		
Testing (Compaction)	1.00		\$350.00	\$350.00		
Subtotal Sub:					\$4,350.00	
O&P					10.00%	\$435.00
TOTAL SUB					\$4,785.00	

SUBTOTAL L+E+M+S:	\$18,746.44	
Bond	0.00%	\$0.00
TOTAL L+E+M+S:	\$18,746.44	
Roundup Each (Unit):	\$18,747.00	
Total Each (Unit):	1	
CO TOTAL:	\$18,747.00	

AR / SS
02.01.21

Created by: S. Salihi, E.I.T, Resident Engr.
Checked by: A. Ronca, PE,

1. 3 days time was considered for the estimated task.
2. Production rate and crew size was based on current crew size for similar work.
3. Trade rates reflect effective payroll rates, plus Contractor provided field overhead multiplier.
4. 2020 Rental Rate Blue Book rates were referenced and considered in preparation of this estimate.

Section E. Original Party Estimates (PCO 04)



Ardent Job: 193-20

January 06, 2021

Mr. Dara Soum, P.E,
Senior Transit Planner/Project Management Coordinator
Arlington, VA 22201
Tel. (office): 703-228-3202

**Re: Contract No. 20-110-9-6
Ballston MU Metro Station Area Improvements
Arlington County**

Dear Mr. Soum,

Ardent Company hereby submits a change order request for the relocation of WMATA standpipe.

The existing waterline feeding a WMATA standpipe was in conflict with planter #5. A drawing was shared to Ardent which showed to relocate the standpipe and abandon existing 4" DIP that is in conflict with the planter. This proposal includes relocation the waterline, install cathodic protection tested and asbuilts submitted. Since the standpipe is going to get relocated in the ground and not in grates, the detail shared on the plan (DD-M-1129) does not apply. All the relevant material/subcontractor quotes along with submittals are attached with this letter. The DIP pipes and fittings will be field coated onsite.

Item#	Description	Qty	Unit	Unit Price	Total	Remarks
EWO	Relocation of Standpipe	1	LS	\$26,887.00	\$ 26,887.00	New Item
Total Net Change to Contract					\$ 26,887.00	

Should you have any questions, please do not hesitate to contact me.

Sincerely,
Ardent Company, LLC

Arash Hooshangi, P.E.
Managing Director

Cost Breakdown for Relocation of Standpipe

Labor & Equipment Costs

Labor

Classification	Days	Hours (ST)	Hours (OT)	Rate (hr)	OT Rate (hr)	Total
Foreman	5	8		\$ 38.00		\$ 1,520.00
Laborer	5	8		\$ 22.00		\$ 880.00
Laborer	5	8		\$ 20.97		\$ 838.80
Laborer	5	8		\$ 21.00		\$ 840.00
Admin. Costs, Profit & Benefits (45%)						\$ 1,835.46
Overhead and Profit (15%)						\$ 611.82
					Total	\$ 6,526.08

Equipment

Equipment	Days	Hours (Active)	Hours (Stby)	Rate (Active)	Rate (Stby)	Total
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Backhoe	3	8	0	\$ 34.87		\$ 836.88
Skid Steer, John Deere 317	5	8	0	\$ 29.63		\$ 1,185.20
Concrete Saw	3	8	0	\$ 23.69		\$ 568.56
					<i>Allowance (10%)</i>	\$ 372.10
					Total	\$ 4,093.14

Material

Material	Supplier	Quantity	Unit	Unit Price	Unit Price + Tax	Total
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Corrosion Materials	Piping and Corrosion	1	LS	\$ 3,375.00	\$ 3,577.50	\$ 3,577.50
21A Stone		14.22	TON	\$ 21.50	\$ 22.79	\$ 324.12
Flowable Fill		0.145	CY	\$ 416.00	\$ 440.96	\$ 64.14
					<i>Allowance (15%)</i>	\$ 1,269.67
					Total	\$ 9,734.15

Subcontractor

Work	Sub Contractor	Day	Hours	Rate	Lump Sum	Total
Trucking (Rental)		1	8	\$ 75.00	\$ -	\$ 600.00
Dump Fee	DC Materials	1			\$ 190.00	\$ 190.00
Survey and Asbuilts	Liggie Surveys	1			\$ 2,400.00	\$ 2,400.00
Piping and Corrosion	Piping and Corrosion	3			\$ 800.00	\$ 2,400.00
Compaction Test		1		\$ 350.00	\$ 350.00	\$ 350.00
					<i>Allowance (10%)</i>	\$ 594.00
					Total	\$ 6,534.00

Total \$ **26,887.00**

- 1 Day Excavation
- 1 Day Assemble the fittings and install the pipes.
- 1 Day Pressure Testing and Flushing
- 1 Day Disassemble the Standpipe, reinstall at new location, tie-in with existing waterline, place flowable fill and cap to abandon the waterline.
- 1 Day Backfilling and Compaction

Seal

Approvals Date

TRANSPORTATION DIRECTOR

TRANSIST BUREAU CHIEF

CONSTRUCTION COORDINATOR

WATER, SEWER, STREETS BUREAU CHIEF

PROJECT MANAGER

Revisions Date

Project Name and Location
Standpipe Relocation Plan

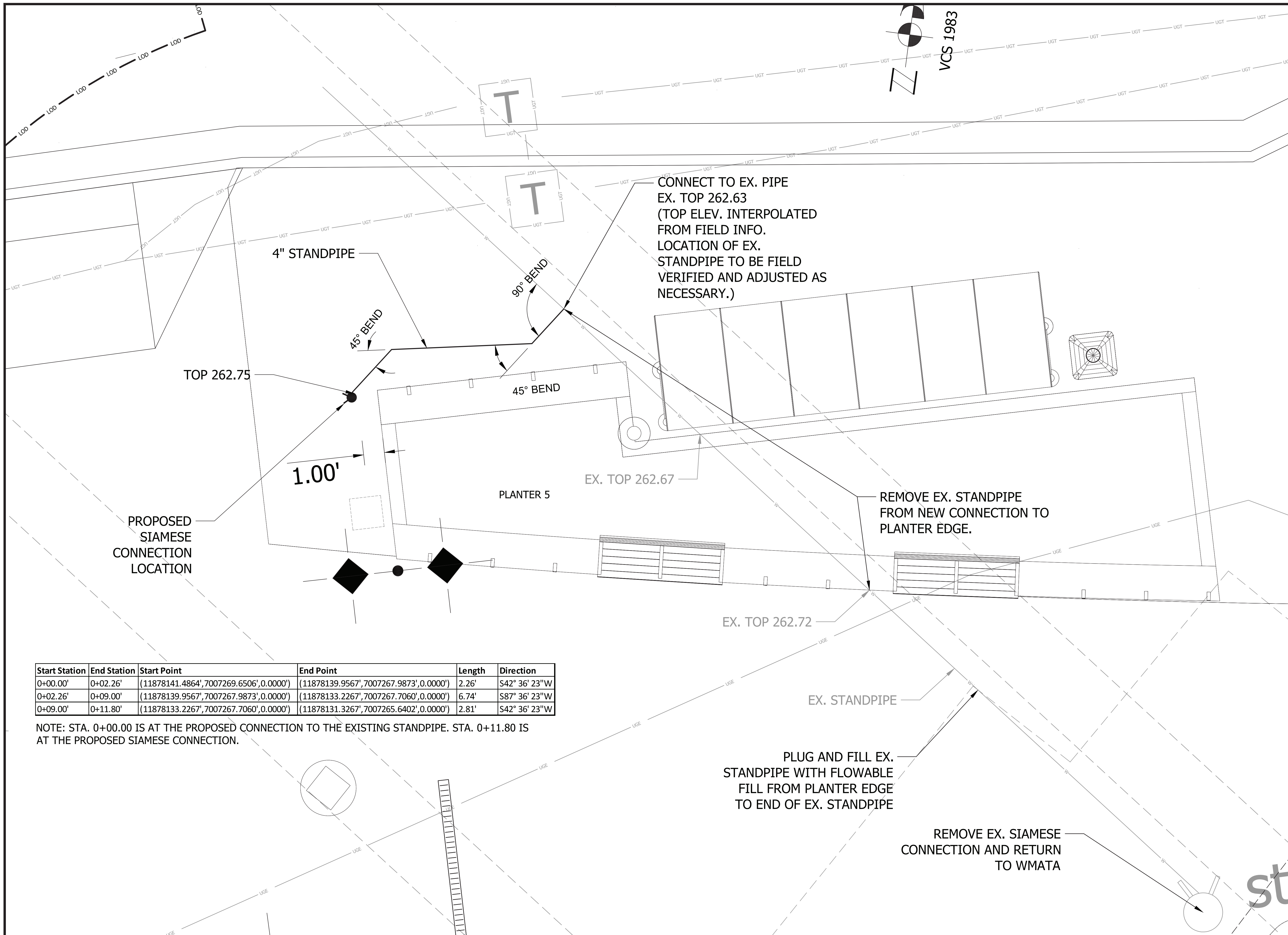
DRAFT
 Ballston - MU Station
 Ballston - MU Multimodal Improvements

Designed: C. RICE
 Drawn: C. RICE
 Checked: C. ROBERTS
 Miss Utility Transmittal #: #####

Filename: WMATASandPipe.dwg
 Path: Z:\Arlington Ballston MU Drawings
 Plotted: December 03, 2020
 Plotted by: p0029986

Scale: 6" = 1'

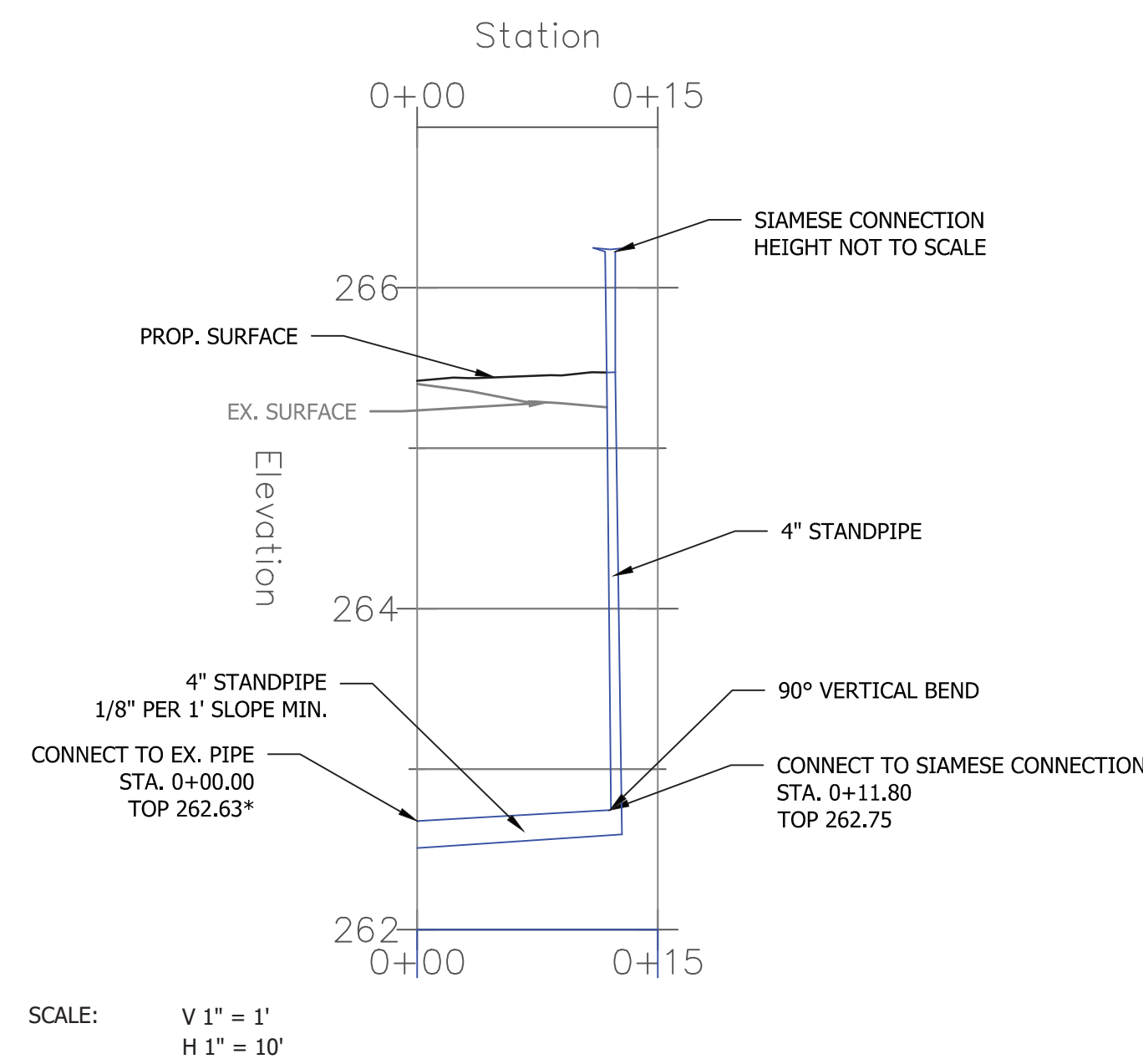
Sheet
XX of XX



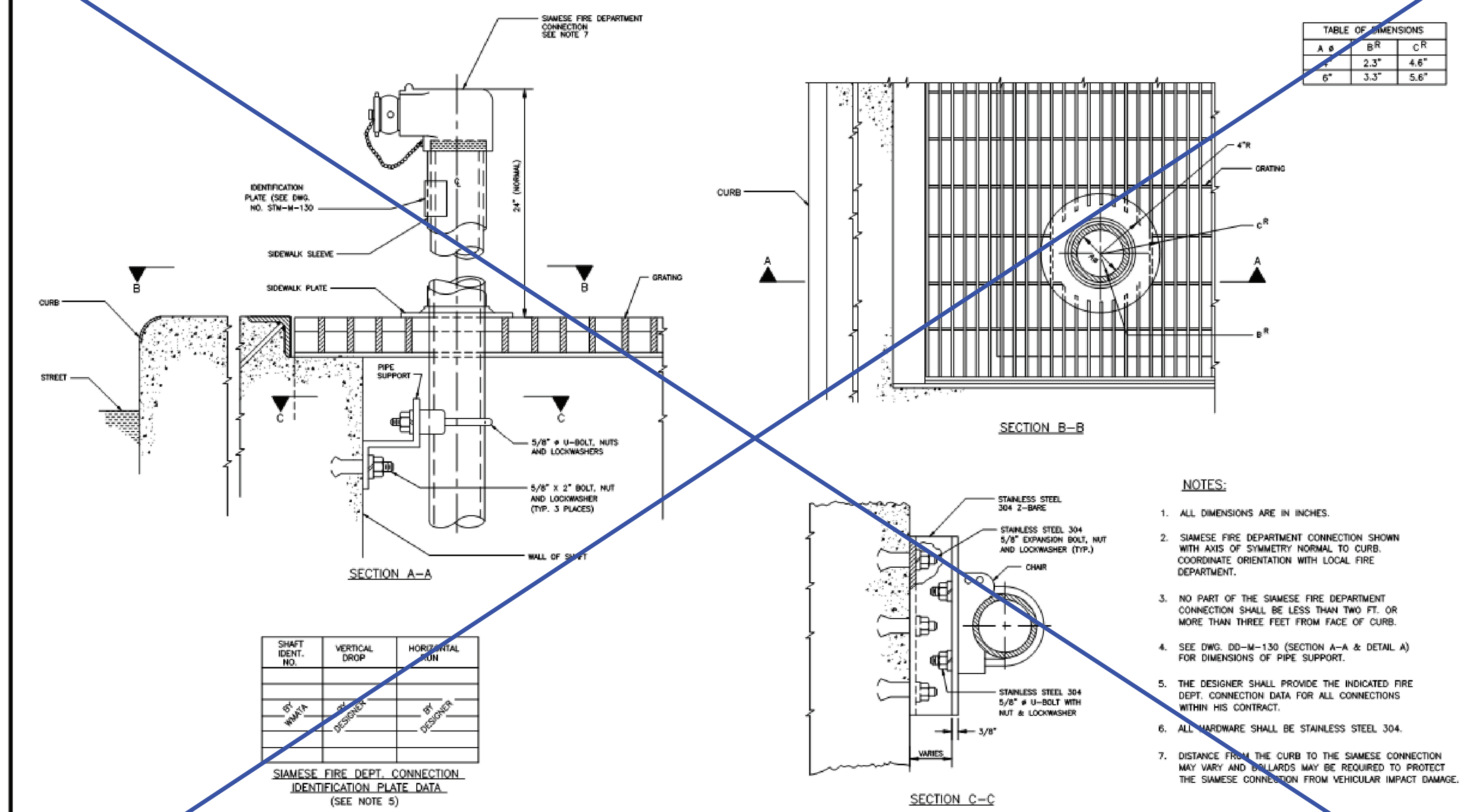
Start Station	End Station	Start Point	End Point	Length	Direction
0+00.00'	0+02.26'	(11878141.4864', 7007269.6506', 0.0000')	(11878139.9567', 7007267.9873', 0.0000')	2.26'	S42° 36' 23" W
0+02.26'	0+09.00'	(11878139.9567', 7007267.9873', 0.0000')	(11878133.2267', 7007267.7060', 0.0000')	6.74'	S87° 36' 23" W
0+09.00'	0+11.80'	(11878133.2267', 7007267.7060', 0.0000')	(11878131.3267', 7007265.6402', 0.0000')	2.81'	S42° 36' 23" W

NOTE: STA. 0+00.00 IS AT THE PROPOSED CONNECTION TO THE EXISTING STANDPIPE. STA. 0+11.80 IS AT THE PROPOSED SIAMESE CONNECTION.

Alignment - Standpipe PROFILE



*INTERPOLATED FROM ELEVATIONS MEASURED IN FIELD. TO BE ADJUSTED ON SITE AS NECESSARY.



SHAFT IDENT. NO.	VERTICAL DROP	HORIZONTAL TON
BY: MAF/TA	BY: DESIGNER	BY: DESIGNER

SIAMESE FIRE DEPT. CONNECTION IDENTIFICATION PLATE DATA (SEE NOTE 5)

DESIGNED		DRAWN		CHECKED		APPROVED		REVISED		SUBMITTED		APPROVED		SCALE		DRAWING NO.	
Y. BL/CH	1-06	DA	1-07	J. H	1-07	J. H	1-07	J. H	1-07	J. H	1-07	J. H	1-07	N.T.S.	DD-M-129		

REFERENCE DRAWINGS		REVISIONS	
NUMBER	DESCRIPTION	DATE	BY
DD-M-130	FIRE PROTECTION LINE DETAIL FOR DOUBLE BOX TUNNEL SECTIONS AND DETAILS	06/2008	DA/TA
DD-M-130	ANGLE HOSE VALVE IDENTIFICATION & SIAMESE FIRE DEPT. COON IDENT. PLATE DETAILS		

WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY
DEPARTMENT OF TRANSIT SYSTEM DEVELOPMENT
OFFICE OF ENGINEERING AND ARCHITECTURE

MECHANICAL DESIGN DRAWING
ABOVE-GRADE SIAMESE FIRE DEPARTMENT CONNECTION

Seal

Approvals	Date
TRANSPORTATION DIRECTOR	
TRANSIT BUREAU CHIEF	
CONSTRUCTION COORDINATOR	
WATER, SEWER, STREETS BUREAU CHIEF	
PROJECT MANAGER	

Revisions	Date

Project Name and Location
Standpipe Profile
DRAFT
Ballston - MU Station
Ballston - MU Multimodal Improvements

Designed: C. RICE
Drawn: C. RICE
Checked: C. ROBERTS
Miss Utility Transmittal #: #####

Filename: 647881_GradPlan-construction.dwg
Path: Z:\Arlington Ballston MUDrawings\Xref
Plotted: December 03, 2020
Plotted by: p0029986

Scale: As Noted

Deliver To: From: Tanner Weaver Comments:
--

FERGUSON WATERWORKS #1800
Price Quotation
Phone: 703-375-6820
Fax: 703-435-1662

Bid No: B490751
Bid Date: 12/17/20
Quoted By: MEN

Cust Phone: 703-288-3250
Terms: 2% 25th Net 30th

Customer: ARDENT COMPANY LLC
PO BOX 879
MCLEAN, VA 22101

Ship To: ARDENT COMPANY LLC
PO BOX 879
MCLEAN, VA 22101

Cust PO#: PER BIJAY

Job Name: BALLSTON

Item	Description	Quantity	Net Price	UM	Total
SP-AFT52PDPPRIO	4" CL52 FASTITE PRIOTEC	20	51.888	FT	1037.76

	--DOM FITTINGS--				
DMJ9LAP	DOM 4 MJ C153 90 BEND L/A	2	88.390	EA	176.78
DMJ4LAP	DOM 4 MJ C153 45 BEND L/A	2	69.390	EA	138.78
DMJLSLAP	DOM 4X12 MJ C153 LONG SLV L/A	2	76.960	EA	153.92
DMJSCAPLAP	DOM 4 MJ C153 SLD CAP L/A	2	37.725	EA	75.45
DMJTCAPLAPK	DOM 4X2 MJ C153 TAP CAP L/A	2	64.000	EA	128.00
GBRKN12	LF 2X12 BRS NIP GBL	2	33.405	EA	66.81
BRLF9K	LF 2 BRS 90 ELL	1	45.880	EA	45.88
E1104DEC	4 MEGALUG EBAASEAL ACCY PKG F/ DI	14	37.157	EA	520.20
	-JOINT BONDING-				
A4GABW18	4GAX18 HMWPE BOND WIRE W/CUTBACK *X	10	10.790	EA	107.90
C703100045272	*NAS 45 GRAM CI SHOT THERMOWELD	10	7.630	EA	76.30
C703100025272	25 GRAM CI SHOT THERMOWELD	10	4.956	EA	49.56
C38668702	THERMOCAP W/ INTEG PRMR	10	11.013	EA	110.13
SP-M-159MOLD	M-159 MOLD	10	87.500	EA	875.00
SP-P93235-4	4"X50' PIPEWRAP TAPE POLYKEN 932-35	8	35.640	EA	285.12
SP-P1027	POLYKEN #1027 PRIMER	4	77.600	GL	310.40

	--INSULATION FLANGES--				
FPPPM	4X3'0 FLGXPE CL BT DI SPL	2	253.675	EA	507.35
SP-TG10INSULP	4 150# G-10 INSUL 1 PC SLV KIT	1	54.740	EA	54.74
SP-4FLGSTUDSS304KI	4" FLG SS 304 DOM STUD KIT 8 STUDS/ 16 HEX NUTS	1	161.320	EA	161.32

MA236008KOL	2 THRD RW OL GATE VLV W/ NUT	2	347.315	EA	694.63
IGNK60	2X60 GALV RDY CUT PIPE TBE	2	64.165	EA	128.33
GNK12	2X12 GALV STL NIP	2	26.203	EA	52.41



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to
complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=1801&on=140524>

Fax: 703-435-1662

08:48:55 JAN 07 2021

Reference No: B490751

FNWX420AK	LF 2 BRS 600# WOG THRD 2PC FP BV	2	150.860	EA	301.72	
					Net Total:	\$6058.40 4244.07
					Tax:	\$303.51
					Freight:	\$0.00
					Total:	\$6422.00

Quoted prices are based upon receipt of the total quantity for immediate shipment (48 hours). SHIPMENTS BEYOND 48 HOURS SHALL BE AT THE PRICE IN EFFECT AT TIME OF SHIPMENT UNLESS NOTED OTHERWISE. QUOTES FOR PRODUCTS SHIPPED FOR RESALE ARE NOT FIRM UNLESS NOTED OTHERWISE.

CONTACT YOUR SALES REPRESENTATIVE IMMEDIATELY FOR ASSISTANCE WITH DBE/MBE/WBE/SMALL BUSINESS REQUIREMENTS.

Seller not responsible for delays, lack of product or increase of pricing due to causes beyond our control, and/or based upon Local, State and Federal laws governing type of products that can be sold or put into commerce. This Quote is offered contingent upon the Buyer's acceptance of Seller's terms and conditions, which are incorporated by reference and found either following this document, or on the web at <https://www.ferguson.com/content/website-info/terms-of-sale>
Govt Buyers: All items are open market unless noted otherwise.

LEAD LAW WARNING: It is illegal to install products that are not "lead free" in accordance with US Federal or other applicable law in potable water systems anticipated for human consumption. Products with *NP in the description are NOT lead free and can only be installed in non-potable applications. Buyer is solely responsible for product selection.



HOW ARE WE DOING? WE WANT YOUR FEEDBACK!

Scan the QR code or use the link below to complete a survey about your bids:

<https://survey.medallia.com/?bidsorder&fc=1801&on=140524>

Revised December 28, 2020

To: Bijay Subedi
Ardent Company

Re: Standpipe Relocation
WMATA Ballston MU Metro Station Area Improvements
Arlington County, VA

Bijay:

We are pleased to quote the following per your request to provide cathodic protection in accordance with WMATA Specification 26 42 00 for approximately 20 feet of 4" underground ductile iron pipe.

Materials

- 1 ea. IJ Test Station Complete with Anode and Reference Cell
- 1 ea. 20 lb. HP Magnesium Anode
- 1 ea. Stealth 7 CuCuSO₄ Reference Cell
- 1 lot Thermite Weld Equipment and Supplies for Test Station Wire Installation
- 10 ea. #4 Pipe Joint Bonding Kits with Required Wire Lengths Cut, Stripped and Sleeved
- 1 lot Thermite Weld Equipment and Supplies for Pipe Joint Bonding Wire Installation
- 10 ea. Polyken Tape Field Coating Kits for Pipe Joints (includes Primer, Filler, Inner & Outer Tape)
- 1 ea. 4" 150# ENDWG10G10 Isolating Flange Kis (does not include nuts, bolts, or flanges)
- 1 lot Wax-Tape Coating for above IF
- 2 rl. Viscotaq Viscowrap 6" X 33' for Field Coating 20 Feet of 4" Ductile Iron Pipe
- 2 rl Viscotaq Outerwrap 6" X 100' for Field Coating 20 Feet of 4" Ductile Iron Pipe

Services

Provide NACE CP Specialist, submittals, pre-backfill testing of IJ, post installation testing, and report as required.

Price (Materials and Services)

\$3,375.00. Freight and Sales Tax included.

Labor

None included. We can provide a corrosion technician, service truck, tools, and equipment to install above during pipe installation. Pricing is as follows and will be invoiced per daily field reports;

- Full day rate, up to eight (8) hours on site - \$800.00
- Half day rate, four (4) hours or less than on site - \$550.00
- Overtime, nights, weekends and holidays are additional.

Note: We estimate that three (3) days of labor would be required for the installation, one (1) day to field coat the pipe, one (1) day to bond and wrap the joints and one (1) day to install the test station.

Exclusions

Excavation, backfill, bollards, concrete work or installation of flange kits. We do not include bolts, nuts, or flanges. No fee for licenses, permits, and/or bonds.

Terms & Conditions

1. PRICES

The prices stated in this quotation shall, unless renewed, automatically expire thirty (30) days from the date hereof and unless otherwise stated on front of quotation.

2. TAXES

The price does not include any Federal, state or local property, license, privilege, sales, use, excise, gross receipts or other like taxes which may now or hereafter be applicable to, measured by or imposed upon or with respect to the transaction, the property, its sale, its value or its use, or any services performed in connection therewith unless otherwise indicated. Purchaser agrees to pay or reimburse any such taxes which Piping and Corrosion Specialties, Inc. or Piping and Corrosion Specialties, Inc.'s subcontractors or suppliers are required to pay.

3. PAYMENTS

If, in the judgment of Piping and Corrosion Specialties, Inc., the financial condition of the Purchaser, at any time during the manufacturing period, or at the time the product is ready for shipment, does not justify the terms of payment specified, Piping and Corrosion Specialties, Inc. may require full or partial payment in advance. Pro rate payments shall become due as shipments are made. If shipments are delayed by the Purchaser, payment shall become due from date when Piping and Corrosion Specialties, Inc. is prepared to make shipment. If manufacture is delayed by the Purchaser, payments shall be made based on the contract price and percent of completion. Products held for the Purchaser shall be at the risk and expense of the Purchaser.

4. DELIVERY

Unless otherwise stated, delivery will be made f.o.b. point of shipment. Shipping dates are approximate and are based on prompt receipt of all necessary information from the Purchaser.

5. LOSS, DAMAGE, OR DELAY

Piping and Corrosion Specialties, Inc. shall not be liable for loss, damage, detention, or delay resulting from causes beyond its reasonable control or from fire, strike or other concerted action of workmen, act or omission of any Governmental authority or of the Purchaser, wreck or delay in transportation, or inability to obtain necessary materials, or manufacturing facilities from usual sources. In the event of delay due to any such cause, the date of delivery will be postponed by such length of time as may be reasonably necessary to compensate for the delay.

6. LIMITATION OF LIABILITY

The liability of Piping and Corrosion Specialties, Inc. with respect to any contract or sale of anything done in connection therewith, whether in contract, in tort, under any warranty, or otherwise, shall not, except as expressly provided herein, exceed the price of the product or part on which such liability is based. UNDER NO CIRCUMSTANCES SHALL PIPING AND CORROSION SPECIALTIES, INC. BE LIABLE FOR CONSEQUENTIAL DAMAGES.

7. TITLE – RISK OF LOSS

The product shall remain the personal property of Piping and Corrosion Specialties, Inc. until fully paid for in cash and the Purchaser agrees to perform all acts which may be necessary to assure the retention of title to such property by Piping and Corrosion Specialties, Inc. Risk of loss of the product, or any part of the same, shall pass to the Purchaser upon delivery of such product or part.

8. TERMINATION

Any order or contract may be terminated by the Purchase only upon payment of reasonable charges based upon expenses already incurred and commitments made by Piping and Corrosion Specialties, Inc.

9. ORDERS

The above terms, together with those set forth or referred to on the face of this quotation and such orders as may be accepted by Piping and Corrosion Specialties, Inc. in writing, constitute the entire agreement for the sale of the product. However, if the product is export, Piping and Corrosion Specialties, Inc. standard terms and conditions for exports sales are applicable in lieu hereof, and will be furnished on request.

10. FINANCE CHARGE

A finance charge of 1 ½% per month equivalent to 18% per annum will be added to all invoices that remain unpaid after 30 days from invoice date.

11. TAXES, ETC. (Except PA)

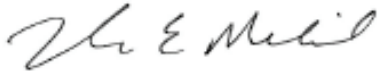
If any charge or fee now or hereafter imposed by any Governmental Authority, Federal, State or Municipal, or the Dominion of Canada, its Provinces or Municipalities upon the production, sale, transportation, delivery or servicing of any of the products covered herein. The amount to be paid to the sole agency(s) shall be the sole responsibility of the buyer.

12. INSURANCE

Piping and Corrosion Specialties, Inc. agrees to include certain items on any requested insurance certificates. Items included without additional charges are Additional Insured by Contract in description only, Primary & Non-Contributory Wording and Per Project Aggregate. Anything not listed here is considered an additional charge per item requested. Please contact Piping and Corrosion Specialties, Inc. if you require additional insurance coverage. Additional pricing will be provided for that request.

Please do not hesitate to contact us if you have any questions or need anything further.

Sincerely,

A handwritten signature in black ink, appearing to read "T. E. Mehalick".

Thomas E. Mehalick
Chief Operating Officer
(610) 620-4466
tmehalick@pipingandcorrosion.com
Piping and Corrosion Specialties, Inc.
8371 Jumpers Hole Road
Millersville, Maryland 21108



LIGGIE SURVEYS INC.
JOB WELL DONE

5268 NICHOLSON LANE, SUITE G234
KENSINGTON, MD 20895
Phone: 202-702-7995
Fax: 202-379-7995
Email: mail@liggiesurveys.com
Web: www.liggiesurveys.com

CONSTRUCTION STAKEOUT PROPOSAL

CHANGE ORDER

ARLINGTON COUNTY, VA

PREPARED BY : JKL

CHECKED BY : JKL

12/29/2020

ITEM	DESCRIPTION	FEE
1	COMPUTE AND STAKEOUT PROPOSED STANDPIPE. ISSUE CUT SHEET	\$800.00
2	PERFORM AND ISSUE AS-BUILT DRAWING OF INSTALLED STANDPIPE	\$1,600.00
TOTAL FEE		\$2,400.00

RATES

FIELD CREW = 130/HR

PROFESSIONAL LAND SURVEYOR = \$150/HR



PC#: 0405
6360-B HWY 73
GEISMAR, LA 70734
225-610-1294

SUNBELT RENTALS, INC.

Salesman: 040500 PC405 BATON ROUGE IN
Typed By: WEBORDER

Job Site:

BIJAY SUBEDI
901 N STUART ST
ARLINGTON, VA 22203

C#: 703-888-9923 J#: 703-888-9923

WEB RESERVATION REQUEST



Contract #.. 109711657
Contract dt. 1/22/21
Date out.... 1/25/21 7:00 AM
Est return.. 1/26/21 5:00 PM
Job Loc..... BIJAY SUBEDI;901 N STUART ST;ARL
Job No.....
P.O. #.....
Ordered By.. SUBEDI, BIJAY
NET DUE UPON RECEIPT

Customer: WG 1063063
SUBEDI, BIJAY
901 N STUART ST
ARLINGTON, VA 22203

Table with columns: QTY, EQUIPMENT #, Min, Day, Week, 4 Week, Amount. Includes item details for Hydrostatic Test Pump and various charges.

All amounts are in USD

Rate your rental experience www.sunbeltrentals.com/survey

- IF THE EQUIPMENT DOES NOT WORK PROPERLY, NOTIFY THE OFFICE AT ONCE
MULTIPLE SHIFTS OR OVERTIME RATES MAY APPLY
CUSTOMER IS RESPONSIBLE FOR REFUELING, DAMAGES AND REPAIRS
1. The total charges are an estimate based on the estimated rental period...
2. Customer assumes all risks associated with the Equipment...
3. Customer is responsible for and shall only permit properly trained, Authorized Individuals to use the Equipment.
4. If the Equipment does not operate properly, is not suitable for Customer's intended use...
5. Equipment misuse or using damaged or malfunctioning Equipment may result in serious bodily injury or death...
6. Customer has received, read, understands and agrees to the estimated charges and all the terms on this page...
7. Customer shall not use the Equipment and shall contact Sunbelt immediately.
8. Customer must contact Sunbelt to request pickup of Equipment, retain the Pick-Up Number given by Sunbelt...
9. At the election of Sunbelt or Customer, Customer agrees to submit every dispute to arbitration...

Customer is declining Rental Protection Plan (see reverse side for details) _____ (Customer Initials)

Customer Signature Date Name Printed Delivered By Date

SUNBELT TERMS AND CONDITIONS

1. **DEFINITIONS.** "Authorized Individuals" are those individuals that Customer directly or indirectly allows to use the Equipment, who are properly trained to use the Equipment and are not under the influence of any drugs, alcohol, substances or otherwise impaired. "Customer" is identified earlier and includes any of its representatives, agents, officers, employees or anyone signing this Contract on its behalf. "Environmental Fee" is the charge described in Section 16. "Equipment" is the equipment and/or services identified earlier, together with all replacements, repairs, additions, attachments and accessories and all future Equipment rented. "Incident" is any fire, citation, theft, accident, casualty, loss, vandalism, injury, death or damage to person or property, claimed by any person or entity that appears to have occurred in connection with the Equipment. Equipment is considered "Lost" when it is either stolen, its location is unknown or Customer is unable to recover it for a period of 30 days. "MSLP" is the Equipment manufacturer's suggested list price on or about the date of the Incident relating to the Equipment. "One Shift," means not more than 8 hours per day and 40 hours per week. "Ordinary Wear and Tear" means normal deterioration considered reasonable in the equipment rental industry for One Shift use. "Pick-Up Number" is the number Customer obtains from Sunbelt evidencing the Customer's call to pick up Equipment. "Rental Period" commences when the Equipment is delivered to Customer or the Site Address and continues until the Equipment is returned to the Store or picked up by Sunbelt during normal business hours, provided Customer has otherwise complied with this Contract. "RPP" is the rental protection plan described in Section 10. "Site Address" is the location that Customer represents the Equipment will be located during the Rental Period identified earlier. "Store" is the Sunbelt location identified earlier. "Sunbelt" is Sunbelt Rentals, Inc. "Sunbelt Entities" is Sunbelt and its affiliated companies, their respective officers, directors, employees and agents.

2. **TERMS.** Customer's execution of this Contract or taking possession of the Equipment shall be deemed acceptance of the terms herein. All of the terms herein are incorporated into this and all past and future contracts between Sunbelt and Customer upon Customer's receipt of Sunbelt's Equipment under those contracts. Any reference in Customer's purchase order or other Customer document to other terms that shall control this transaction shall be void. Customer rents the Equipment from Sunbelt pursuant to this Contract. This Contract is a true lease. The Equipment (a) is and shall remain the personal property of Sunbelt and (b) shall not be affixed to any other property.

3. **PERMITTED USE.** Customer agrees that Sunbelt has no control over the manner in which the Equipment is operated during the Rental Period by Customer or any third party that Customer implicitly or explicitly permits. Customer warrants that: (a) prior to each use, Customer shall inspect the Equipment to confirm that it is in good condition, without defects, includes readable decals and operating and safety equipment or instructions and is suitable for Customer's intended use; (b) any apparent agent at the Site Address is authorized to accept delivery of the Equipment (and if Customer requests, Customer authorizes Sunbelt to leave the Equipment at the Site Address without requirement of written receipt); (c) Customer shall immediately notify Sunbelt if the Equipment is Lost, damaged, unsafe, disabled, malfunctioning, levied upon, threatened with seizure, or if any Incident occurs; (d) Customer has received from Sunbelt all information needed or requested regarding the operation of the Equipment; (e) Sunbelt is not responsible for providing operator or other training unless Customer specifically requests in writing and Sunbelt agrees to provide such training (Customer being responsible to obtain all training that Customer desires prior to the Equipment's use); (f) only Authorized Individuals shall use and operate the Equipment; (g) the Equipment's use shall be in a careful manner, in compliance with all operating and safety instructions provided on, in or with the Equipment and all applicable federal, state and local laws, permits and licenses, including but not limited to, OSHA, as revised; and (h) the Equipment shall be kept in a secure location.

4. **PROHIBITED USE.** Customer shall not (a) alter or cover up any decals or insignia on the Equipment or remove any operating or safety equipment or instructions; (b) assign its rights under this Contract; (c) move the Equipment from the Site Address without Sunbelt's written consent; (d) use the Equipment in a negligent, illegal, unauthorized or abusive manner, or in any publication (print, audiovisual or electronic); or (e) allow the use of the Equipment by any unauthorized individual (Customer acknowledging that the Equipment may be dangerous if used improperly or by untrained parties).

5. **MAINTENANCE.** Customer shall perform routine maintenance on the Equipment, including routine inspections and maintenance of fuel and oil levels, grease, cooling system, water, batteries, cutting edges, and cleaning in accordance with the manufacturer's specifications. All other maintenance or repairs may only be performed by Sunbelt or its agents, but Sunbelt has no responsibility during the Rental Period to inspect or perform any maintenance or repairs unless Customer requests a service call. If Sunbelt determines that repairs to the Equipment are needed, other than Ordinary Wear and Tear, Customer shall pay the full repair charges and rental of the Equipment until the repairs are completed. Sunbelt has the right to inspect the Equipment wherever located. Customer has the authority to and hereby grants Sunbelt and its agents the right to enter the physical location of the Equipment for the purposes set forth herein. Sunbelt shall be responsible for repairs needed because of Ordinary Wear and Tear. Customer agrees that repair or replacement of the Equipment is Customer's exclusive remedy for Sunbelt's breach of this Section. Notwithstanding Sunbelt's service commitment, Sunbelt shall have no obligation if Customer breaches this Contract to stop the Rental Period, commence repairs or rent other equipment to Customer until Customer or its agent agrees to pay for such charges.

6. **CUSTOMER LIABILITY. DURING THE RENTAL PERIOD, CUSTOMER ASSUMES ALL RISK ASSOCIATED WITH THE POSSESSION, CONTROL OR USE OF THE EQUIPMENT, INCLUDING BUT NOT LIMITED TO, PERSONAL INJURY, DEATH, RENTAL CHARGES, THEFT, LOSSES, DAMAGES AND DESTRUCTION, INCLUDING CUSTOMER TRANSPORTATION, LOADING AND UNLOADING, WHETHER OR NOT THE CUSTOMER IS AT FAULT.** After an Incident, Customer shall (a) immediately notify Sunbelt, the police, if necessary and Customer's insurance carriers; (b) secure and maintain the Equipment and the surrounding premises in the condition existing at the time of such Incident, until Sunbelt or its agents investigate; (c) immediately submit copies of all police or other third party reports to Sunbelt; and (d) as applicable, pay Sunbelt, in addition to other sums due herein, the rental rate for Equipment until the repairs are completed or Equipment replaced plus either (i) the MSLP or (ii) the full charges of repairs of damaged Equipment. Accrued rental charges shall not be applied against these amounts. Sunbelt shall have the immediate right, but not obligation, to reclaim any Equipment involved in any Incident.

7. **NO WARRANTIES.** Sunbelt does not design or manufacture the Equipment and is not the agent of those that do. **SUNBELT DISCLAIMS ALL REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE EQUIPMENT, ITS DURABILITY, CONDITION, MERCHANTABILITY, OR FITNESS FOR ANY PARTICULAR PURPOSE. CUSTOMER ACKNOWLEDGES ACCEPTANCE OF THE EQUIPMENT ON AN "AS IS, WHERE IS" BASIS, WITH "ALL FAULTS" AND WITHOUT ANY RECOURSE WHATSOEVER AGAINST SUNBELT ENTITIES. CUSTOMER ASSUMES ALL RISKS ASSOCIATED WITH THE EQUIPMENT AND RELEASES SUNBELT ENTITIES FROM ALL LIABILITIES AND DAMAGES (INCLUDING LOST PROFITS, PERSONAL INJURY, AND SPECIAL, INCIDENTAL AND CONSEQUENTIAL DAMAGES) IN ANY WAY CONNECTED WITH THE EQUIPMENT, ITS OPERATION OR USE OR ANY DEFECT OR FAILURE THEREOF OR A BREACH OF SUNBELT'S OBLIGATIONS HEREIN.**

8. **RELEASE AND INDEMNIFICATION. TO THE FULLEST EXTENT PERMITTED BY LAW, CUSTOMER INDEMNIFIES, RELEASES, HOLDS SUNBELT ENTITIES HARMLESS AND AT SUNBELT'S REQUEST, DEFENDS SUNBELT ENTITIES (WITH COUNSEL APPROVED BY SUNBELT), FROM AND AGAINST ALL LIABILITIES, CLAIMS, LOSSES, DAMAGES, AND EXPENSES (INCLUDING ATTORNEY'S AND/OR LEGAL FEES AND EXPENSES) HOWEVER ARISING OR INCURRED, RELATED TO ANY INCIDENT, DAMAGE TO PROPERTY, INJURY OR DEATH OF, ANY PERSON, CONTAMINATION OR ALLEGED CONTAMINATION, OR VIOLATION OF LAW OR REGULATION CAUSED BY OR CONNECTED WITH THE (a) USE, POSSESSION OR CONTROL OF THE EQUIPMENT DURING THE RENTAL PERIOD OR (b) BREACH OF THIS CONTRACT, WHETHER OR NOT CAUSED IN PART BY THE ACTIVE OR PASSIVE NEGLIGENCE OR OTHER FAULT OF ANY PARTY INDEMNIFIED HEREIN AND ANY OF THE FOREGOING ARISING OR IMPOSED IN ACCORDANCE WITH THE DOCTRINE OF STRICT OR ABSOLUTE LIABILITY. CUSTOMER ALSO AGREES TO WAIVE ITS WORKERS' COMPENSATION IMMUNITY, TO THE EXTENT APPLICABLE. CUSTOMER'S INDEMNITY OBLIGATIONS SHALL SURVIVE THE EXPIRATION OR TERMINATION OF THIS CONTRACT.** All of Customer's indemnification obligations under this paragraph shall be joint and several.

9. **INSURANCE.** During the Rental Period, Customer shall maintain, at its own expense, the following minimum insurance coverage: (a) general liability insurance of not less than \$1,000,000 per occurrence, including coverage for Customer's contractual liabilities herein such as the release and indemnification clause contained in Section 8; (b) property insurance against loss by all risks to the Equipment, in an amount at least equal to the MSLP thereof, unless RPP is elected and paid for at the time of rental; (c) worker's compensation insurance as required by law; and (d) automobile liability insurance (including comprehensive and collision coverage, and uninsured/underinsured motorist coverage), in the same amounts set forth in subsections (a) and (b), if the Equipment is to be used on any roadway. Such policies shall be primary, non-contributory, on an occurrence basis, contain a waiver of subrogation, name Sunbelt and its agents as an additional insured (including an additional insured endorsement) and loss payees, and provide for Sunbelt to receive at least 30 days prior written notice of any cancellation or material change. Any insurance that excludes boom damage or overturns is a breach. Customer shall provide Sunbelt with certificates of insurance evidencing the coverages required above prior to any rental and any time upon Sunbelt's request. To the extent Sunbelt Entities carry any insurance, Sunbelt Entities' insurance will be considered excess insurance. The insurance required herein does not relieve Customer of its responsibilities, indemnification, or other obligations provided herein, or for which Customer may be liable by law or otherwise.

10. **RENTAL PROTECTION PLAN.** Customer's repair or replacement responsibility in Sections 5 and 6 is modified by the RPP and Sunbelt shall limit the amount Sunbelt collects from Customer for the Equipment loss, damage or destruction to the following amounts for each piece of Equipment: (a) 10% of the MSLP for Lost Equipment, up to a maximum of \$500 per piece of Equipment; (b) 10% of the repair charges for incidental or accidental damage to Equipment, up to a maximum of \$500 per piece of Equipment; (c) charges in excess of \$50 per tire for tire repairs; and (d) nothing for the rental charges which would otherwise accrue during the period when damaged or destroyed Equipment is being repaired or replaced by Sunbelt or Lost Equipment is being replaced; provided however, the foregoing RPP liability reduction only applies if the Conditions are satisfied and an Exclusion does not apply. The RPP is NOT INSURANCE and does NOT protect Customer from liability to Sunbelt or others arising out of possession, control or use of the Equipment, including injury or damage to persons or property. **THE RPP IS A CONTRACTUAL MODIFICATION OF CUSTOMER'S LIABILITY.** All of the following "Conditions" must be satisfied for the RPP and the corresponding liability reduction to apply: (i) Customer accepts the RPP in advance of the rental; (ii) Customer pays 15% of the gross rental charges as the fee for the RPP (plus applicable taxes); (iii) Customer fully complies with the terms of this Contract; (iv) Customer's account is current at the time of the loss, theft, damage or destruction of the Equipment; and (v) none of the Exclusions apply. Customer assumes the Exclusion risks, meaning that if any Exclusion occurs, the RPP does NOT reduce the liability of Customer to Sunbelt for the loss, theft, damage or destruction resulting from such Exclusion. "Exclusions" shall mean loss, theft, damage or destruction of the Equipment: (A) due to intentional misuse; (B) caused by Lost Equipment not reported by Customer to the police within 48 hours of discovery, and substantiated by a written police report (promptly delivered to Sunbelt); (C) due to floods, wind, storms, earthquakes or other Acts of God; and (D) accessories or Equipment for which Customer is not charged the RPP fee. **THE EXCLUSIONS REMAIN THE LIABILITY OF CUSTOMER AND ARE NOT MODIFIED BY THE RPP. RPP IS REFLECTED ON THE CONTRACT AS PART OF CUSTOMER'S ESTIMATED CHARGES UNLESS CUSTOMER HAS ELECTED TO DECLINE RPP IN WRITING OR MADE OTHER CONTRACTUAL ARRANGEMENTS.** Notwithstanding anything to the contrary in this Contract, if Lost Equipment is later recovered, Sunbelt retains ownership of the Equipment regardless of any payments made by Customer or Customer's insurance company with respect to such equipment, all of which payments are non-refundable. Customer agrees to promptly return any Equipment that is recovered. Sunbelt shall be subrogated to Customer's

rights to recover against any person or entity relating to any loss, theft, damage or destruction to the Equipment. Customer shall cooperate with, assign Sunbelt all claims and proceeds arising from such loss, theft, damage or destruction, execute and deliver to Sunbelt whatever documents are required and take all other necessary steps to secure in Sunbelt such rights, at Customer's expense.

11. **RENTAL RATES.** The total charges specified in this Contract are: (a) estimated based upon Customer's representation of the estimated Rental Period identified herein (rental rates beyond the estimated Rental Period may change) and other information conveyed by Customer to Sunbelt; and (b) for the Equipment's use for One Shift, unless otherwise noted. Weekly and 4 week rental rates shall not be prorated. Rental charges accrue during Saturdays, Sundays and holidays. The rental rates do not include and Customer is responsible for, (i) all consumables, fees, licenses, present and future taxes and any other governmental charges based on Customer's possession and/or use of the Equipment, including additional fees for more than One Shift use; (ii) delivery and pickup charges to and from the Store, including but not limited to any freight, transportation, delivery, pickup and surcharge fees listed in this Contract; (iii) maintenance, repairs and replacements to the Equipment as provided herein; (iv) a cleaning fee if required; (v) miscellaneous charges, such as fees for lost keys and RPP; (vi) fuel used during the Rental Period and for refueling Equipment as described below; (vii) fines for use of dyed diesel fuel in on-road Equipment; and (viii) an Environmental Fee (see www.sunbeltrentals.com/environmentalfee) and (ix) Transportation Surcharge (see www.sunbeltrentals.com/surcharge). The convenience charge for off road diesel fuel does not include governmental motor fuel taxes or charges. Sunbelt collects these fees as revenue and uses them at its discretion.

12. **PAYMENT.** Customer shall pay amounts due, without any offsets, in full at the time of rental, unless Sunbelt approves Customer's executed credit application (credit customers must pay, upon receipt of Sunbelt's invoice). Customer must notify Sunbelt in writing of any disputed amounts, including credit card charges, within 15 days after the receipt of the invoice/contract or Customer shall be deemed to have irrevocably waived its right to dispute such amounts. At Sunbelt's discretion, any credit account with a delinquent balance may be placed on a cash basis, deposits may be required and the Equipment may be picked up without notice. Due to the difficulty in fixing actual damages caused by late payment, Customer agrees that a service charge equal to the lesser of 1.5% per month or the maximum rate permitted by law shall be assessed on all delinquent accounts, until paid in full. Customer shall pay a fee of \$75 for each check returned for lack of sufficient funds to compensate Sunbelt for its overhead for processing missed payment. Deposits will only be returned after all amounts are paid in full. Customer agrees that if a credit card is presented to pay for charges or to guarantee payment, Customer authorizes Sunbelt to charge the credit card all amounts shown on this Contract and charges subsequently incurred by Customer, including but not limited to, loss of or damage to the Equipment and extension of the Rental Period.

13. **RETURN OF EQUIPMENT.** Sunbelt may terminate this Contract at any time, for any reason. At the end of the Rental Period, the Equipment shall be returned to Sunbelt in the same condition it was received, less Ordinary Wear and Tear and free of any hazardous materials and contaminants. Customer will continue to be responsible for rental and other charges after the Rental Period if the Equipment is not returned in the condition required herein. If Sunbelt delivered the Equipment to Customer, Customer shall notify Sunbelt that the Equipment is ready to be picked up at the Site Address and obtain a Pick-Up Number, which Pick-Up Number Customer should keep as proof of the call; provided Customer remains liable for any loss, theft, damage to or destruction of the Equipment until Sunbelt confirms that the Equipment is returned in the condition required herein. Customer will not be charged the rental charges after the date the Pick-Up Number is given, provided Customer has otherwise complied with this Contract. No pickups occur on Sundays or statutory holidays and Saturday pickups are dependent on specific Store hours. If Customer picked up Equipment, Customer shall return Equipment to the same Store during that Store's normal business hours. If the Equipment is not returned by the estimated end of the Rental Period specified earlier, Customer agrees to pay the applicable rental rate for the Equipment until the end of the Rental Period.

14. **PURCHASES:** If this Contract identifies any Equipment, materials or other items that is to be purchased by Customer, Sunbelt sells and delivers such items to Customer on an "AS IS, WHERE IS" basis, with all faults and without any warranties (other than manufacturer warranties, if any) in consideration for Customer's payment to Sunbelt of the full purchase price of the item. Sunbelt retains title to the item until Customer has paid in full.

15. **DEFAULT.** Customer shall be in default if Sunbelt deems itself insecure or if Customer: (a) fails to pay sums when due; (b) breaches any Section of this Contract; (c) becomes a debtor in a bankruptcy proceeding, goes into receivership, takes protection from its creditors under any insolvency legislation, ceases to carry on business, or has its assets seized by any creditor; (d) fails to insure the Equipment as required, or otherwise places the Equipment at risk; (e) fails to return Equipment immediately upon Sunbelt's demand; or (f) is in default under any other contract with Sunbelt. If a Customer default occurs, Sunbelt shall have, in addition to all rights and remedies at law or in equity, the right to repossess the Equipment without judicial process or prior notice. Customer shall pay all of Sunbelt's costs, including reasonable costs of collection, court costs, attorneys and legal fees, incurred in exercising any of its rights or remedies herein. The use of false identification to obtain Equipment or the failure to return Equipment by the end of the Rental Period may be considered theft, subject to criminal prosecution and civil liability where permitted, pursuant to applicable laws. Sunbelt shall not be liable due to seizure of Equipment by order of governmental authority. **CUSTOMER WAIVES ANY RIGHT OF ACTION AGAINST SUNBELT ENTITIES FOR SUCH REPOSSESSION.**

16. **ENVIRONMENTAL FEE.** To promote a clean and sustainable environment, Sunbelt takes various measures to comply with applicable environmental regulations, as well as with Sunbelt's own policies. Sunbelt also incurs a wide range of environmental related expenses (both direct and indirect). These expenses may include services such as waste disposal, construction and maintenance of cleaning facilities, acquisition of more fuel efficient equipment, as well as, labor costs, administrative costs, etc. To help defray these and other costs, Sunbelt assesses an Environmental Fee, plus applicable taxes thereon in connection with certain rentals. The Environmental Fee is not a tax or governmentally mandated charge, and is not designated for any particular use or placed in an escrow account, but is a charge that Sunbelt collects as revenue and uses at its discretion.

17. **FUEL.** For Equipment that uses fuel, Customer has three options: (a) **Prepay Fuel Option** - Customer may purchase a full tank of fuel for the Equipment at the start of the rental, in which case a "convenience charge" will appear on this Contract (calculated by multiplying the estimated fuel capacity of Equipment by the Prepay per gallon rate). As an added benefit, Customer may return the Equipment full of fuel and the convenience charge will be refunded (however, if not returned full, Customer will not obtain any credit for fuel left in the Equipment upon return); (b) **Pay on Return Option** - if Customer returns Equipment with less fuel than when received, Customer shall pay a refueling charge (calculated by multiplying gallons returned to refill tank with fuel to level when received, by the Pay on Return per gallon rate); and (c) **Return Full Option** - if Customer returns the Equipment with at least as much fuel as when it was received (most Sunbelt Equipment comes with a full tank of fuel, but not all), no fuel charge will be assessed. The cost of Customer refueling Equipment itself will generally be lower than the Prepay Fuel Option or the Pay on Return Option; however these options each allow for the convenience of not refueling.

18. **LIMITATION OF SUNBELT'S LIABILITY. IN CONSIDERATION OF THE RENTAL OF EQUIPMENT, CUSTOMER AGREES THAT SUNBELT'S LIABILITY UNDER THIS CONTRACT, INCLUDING ANY LIABILITY ARISING FROM SUNBELT'S, SUNBELT ENTITIES, OR ANY THIRD PARTY'S COMPARATIVE, CONCURRENT, CONTRIBUTORY, PASSIVE OR ACTIVE NEGLIGENCE OR THAT ARISES AS A RESULT OF ANY STRICT OR ABSOLUTE LIABILITY, SHALL NOT EXCEED THE TOTAL RENTAL CHARGES PAID BY CUSTOMER UNDER THIS CONTRACT.**

19. **JURY TRIAL WAIVER. IN ANY DISPUTE ARISING OUT OF, IN CONNECTION WITH, OR IN ANY WAY PERTAINING TO THIS CONTRACT, CUSTOMER AND SUNBELT HEREBY KNOWINGLY, VOLUNTARILY AND INTENTIONALLY WAIVE ANY RIGHT TO A TRIAL BY JURY, THIS WAIVER BEING A MATERIAL INDUCEMENT TO ENTERING INTO THIS CONTRACT.**

20. **ARBITRATION AGREEMENT & CLASS ACTION WAIVER. AT THE ELECTION OF CUSTOMER OR SUNBELT, ANY DISPUTE ARISING OUT OF, IN CONNECTION WITH OR IN ANY WAY PERTAINING TO THIS CONTRACT SHALL BE SETTLED BY ARBITRATION BROUGHT IN THE PARTY'S INDIVIDUAL CAPACITY AND NOT AS A PLAINTIFF IN A PURPORTED CLASS OR REPRESENTATIVE CAPACITY, ADMINISTERED BY THE AMERICAN ARBITRATION ASSOCIATION UNDER ITS COMMERCIAL ARBITRATION RULES OR BY JAMS PURSUANT TO ITS STREAMLINED ARBITRATION RULES AND PROCEDURES AND JUDGEMENT ON THE AWARD RENDERED BY THE ARBITRATOR(S) MAY BE ENTERED IN ANY COURT HAVING JURISDICTION THEREOF. THERE SHALL BE NO RIGHT OR AUTHORITY FOR ANY CLAIMS TO BE ARBITRATED OR TRIED ON A CLASS ACTION BASIS.**

21. **COMPLIANCE WITH EXPORT AND IMPORT LAWS.** Removal of the Equipment from the United States ("U.S.") is prohibited under this Contract. If Customer desires or causes the transport and/or operation of the Equipment outside of the U.S., Customer must (a) obtain Sunbelt's consent prior to taking such action, and (b) execute an amendment to this Contract, which amendment is incorporated herein. If Customer exports or re-exports without complying with the above sentence, Customer agrees that (i) the Equipment is subject to and must comply with all applicable export laws, including but not limited to the Export Administration Regulations; and (ii) Customer is responsible for: (A) determining whether and obtaining if necessary, export or re-export licenses or other authorizations as required prior to exporting or re-exporting the Equipment, (B) obtaining any required documentation necessary for return of the Equipment, and (C) ensuring no unauthorized transfers or diversions of the Equipment occur. Refer to www.bis.doc.gov for information.

22. **GOVERNING LAW.** The parties expressly and irrevocably agree: (a) this Contract, including any related tort claims, shall be governed by the laws of South Carolina, without regard to any conflicts of law principles and (b) if any Section of this Contract is prohibited by any law, such Section shall be ineffective to the extent of such prohibition without invalidating the remaining Sections.

23. **MISCELLANEOUS.** This Contract, together with any Customer executed credit application, constitutes the entire agreement of the parties regarding the Equipment and may not be modified except by written amendment signed by the parties. Customer's obligations hereunder shall survive the termination of this Contract. This Contract and all of Customer's rights in and to the Equipment are subordinate to all rights, title and interest of all persons (including Sunbelt's lenders) who have rights in the Equipment. Headings are for convenience only. To the extent that any terms in this Contract conflict, the parties agree that the more specific terms control. A copy of this Contract shall be valid as the original. Any failure by Sunbelt to insist upon strict performance of any Section of this Contract shall not be construed as a waiver of the right to demand strict performance in the future. Customer and the person signing this Contract represent that: (a) they both have full authority to execute, deliver and perform this Contract and (b) this Contract constitutes a legal, valid and binding obligation of Customer, enforceable in accordance with its terms. When Customer is a buyer of Equipment, they are hereby notified that Sunbelt has assigned its rights (but not its obligations) in the agreement to sell the asset(s) described herein to Sunbelt Rentals Exchange, Inc., a qualified intermediary, as part of Section 1031 exchange, and Customer shall make the payee "Sunbelt Rentals Exchange, Inc."

Additional terms and conditions for E&S Control, Shoring and Bridging can be found at <https://www.sunbeltrentals.com/about/shoring-bridging-additional-terms-and-conditions/>



STV/County Independent Cost Estimate, 01/19/21

Ballston-MU Station Area Improvements Project
Arlington County, VA

PCO 04- WMATA Dry Standpipe Relocation

Description of Change:

Relocation of WMATA Dry Standpipe to west of Planter 5 including new 4" line connection

Task Description	Quantity	Hours	Unit	Rate	Subtotals	Comments
LABOR						
Foreman	1.00	24.00	Hrs.	\$38.00	\$912.00	
Laborer (skilled)	1.00	24.00	Hrs.	\$22.00	\$528.00	
Laborer (unskilled)	1.00	24.00	Hrs.	\$21.00	\$504.00	
Laborer (unskilled)	1.00	24.00	Hrs.	\$20.97	\$503.28	
Operator	0.00	0.00	Hrs.	\$23.93	\$0.00	no separate operator, laborer used
Dump Truck Driver	0.00	0.00	Hrs.	\$20.34	\$0.00	
Other	0.00	0.00	Hrs.	\$50.00	\$0.00	
					Subtotal Labor Base:	\$2,447.28
					Ind. Labor	0.00%
					Subtotal Labor:	\$2,447.28
					O&P	15.00%
					\$367.09	O&P is on Base + Indirect Labor
TOTAL LABOR					\$2,814.37	
EQUIPMENT						
Excavator	0.00	0.00	Hrs.	\$115.85	\$0.00	
Backhoe	1.00	24.00	Hrs.	\$34.87	\$836.88	
Skid Steer	1.00	24.00	Hrs.	\$29.63	\$711.12	
Dump Truck (Large)	0.00		Hrs.	\$97.40	\$0.00	
Dump Truck (Small)	1.00	8.00	Hrs.	\$46.77	\$374.16	
Generator	0.00		Hrs.		\$0.00	
Concrete Saw	1.00	24.00	Hrs.	\$23.69	\$568.56	
Small Tools	0.00		Hrs.		\$0.00	
Service Truck	0.00	0.00	Hrs.	\$35.00	\$0.00	no service truck used
Pickup Truck	1.00	24.00	Hrs.	\$28.26	\$678.24	incl add time for misc. duties
					Subtotal Equipment:	\$2,600.40
					O&P	0.00%
					\$0.00	previously omitted inadvertently
TOTAL EQUIPMENT:					\$2,600.40	
MATERIAL						
Waterline	1.00		Ton	\$4,244.07	\$4,244.07	Supplier (Ferguson)
Corrosion Materials	1.00		LS	\$3,375.00	\$3,375.00	Supplier (Piping & Corrosion)
21A Stone	9.00		TON	\$21.50	\$193.50	
Dump Fee	1.00		EA	\$190.00	\$190.00	
Flowable Fill	0.145		CY	\$416.00	\$60.32	
					Subtotal Material:	\$8,062.89
					Price +6% Tax	\$8,546.66
					O&P	0.00%
					\$0.00	
TOTAL MATERIAL					\$8,546.66	
SUBCONTRACTOR						
Liggie Surveys	1.00			\$2,400.00	\$2,400.00	includes computation/skateout/as-buits
Piping and Corrosion	2.00			\$800.00	\$1,600.00	
Testing (Compaction)	1.00			\$350.00	\$350.00	
					\$0.00	
					\$0.00	
					Subtotal Sub:	\$4,350.00
					O&P	10.00%
					\$435.00	
TOTAL SUB					\$4,785.00	
					Subtotal L+E+M+S:	\$18,746.44
					Bond	0.00%
					\$0.00	
TOTAL L+E+M+S:					\$18,746.44	
					Roundup Each (Unit):	\$18,747.00
					Total Each (Unit):	1
CO TOTAL:					\$ 18,747.00	

Created by: S. Salihi, E.I.T, Resident Engr., 01/14/21
Checked by: A. Ronca, PE, 01/19/01

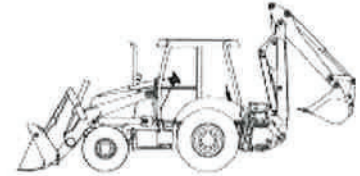
1. 3 days time was considered for the estimated task.
2. Production rate and crew size was based on current crew size for similar work.
3. Trade rates reflect effective payroll rates, plus Contractor provided field overhead multiplier.
4. 2020 Rental Rate Blue Book rates were referenced and considered in preparation of this estimate.

Rental Rate Blue Book®

June 18, 2019

Deere 310G (disc. 2007)

Tractor-Loader-Backhoes

 Size Class:
14' to Under 15'
 Weight:
13170 feet

Configuration for 310G (disc. 2007)

Drive	4WD	Loader Bucket Capacity-Heaped	1.0 cu yd
Net Horsepower	70.0 hp	Operator Protection	ROPS/FOPS
Power Mode	Diesel		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$2,655.00	\$745.00	\$185.00	\$28.00	\$18.85	\$33.94
Adjustments						
Region (Washington, District of Columbia: 106.2%)	\$164.61	\$46.19	\$11.47	\$1.74		
Model Year (2007: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$2,819.61	\$791.19	\$196.47	\$29.74	\$18.85	\$34.87

Non-Active Use Rates

	Hourly
Standby Rate	\$8.49
Idling Rate	\$24.92

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	33%	\$876.15/mo
Overhaul (ownership)	47%	\$1,247.85/mo
CFC (ownership)	11%	\$292.05/mo
Indirect (ownership)	9%	\$238.95/mo
Fuel (operating) @ 3.27	47%	\$8.90/hr

Revised Date: 1st half 2019

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)



Adjustments for Foreman's Truck in Foreman's Truck

June 29, 2018

Miscellaneous 4X4 1 3/4 362 CONV GAS

On-Highway Light Duty Trucks

Size Class:
300 HP & Over
Weight:
N/A



Configuration for 4X4 1 3/4 362 CONV GAS

Axle Configuration	4X4	Power Mode	Gasoline
Horsepower	362	Cab Type	Conventional
Ton Rating	1 3/4		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$1,225.00	\$345.00	\$86.00	\$13.00	\$20.80	\$27.76
Adjustments						
Region (Washington, District of Columbia: 107.2%)	\$88.20	\$24.84	\$6.19	\$0.94		
Model Year (2018: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$1,313.20	\$369.84	\$92.19	\$13.94	\$20.80	\$28.26

Non-Active Use Rates

	Hourly
Standby Rate	\$5.30
Idling Rate	\$23.62

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	56%	\$686.00/mo
Overhaul (ownership)	29%	\$355.25/mo
CFC (ownership)	5%	\$61.25/mo
Indirect (ownership)	10%	\$122.50/mo
Fuel (operating) @ 2.35	78%	\$16.16/hr

Revised Date: 1st Half 2018

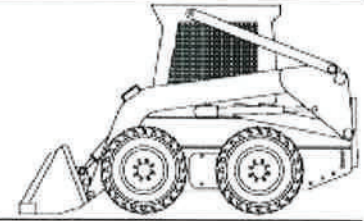
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The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)

Adjustments for Skid Steer 317 in Skid

July 5, 2018

Deere 317 (disc. 2010)
 Skid Steer Loaders

 Size Class:
1601 - 1750 lbs
 Weight:
6,300 lbs.

Configuration for 317 (disc. 2010)

Power Mode	Diesel	Net Horsepower	57 hp
Operator Protection	ROPS	Operating Capacity (SAE)	1750 lbs

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$2,425.00	\$680.00	\$170.00	\$26.00	\$15.00	\$28.78
Adjustments						
Region (Washington, District of Columbia: 106.2%)	\$150.35	\$42.16	\$10.54	\$1.61		
Model Year (2010: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)						
Total:	\$2,575.35	\$722.16	\$180.54	\$27.61	\$15.00	\$29.63

Non-Active Use Rates

	Hourly
Standby Rate	\$4.98
Idling Rate	\$20.98

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	22%	\$533.50/mo
Overhaul (ownership)	66%	\$1,600.50/mo
CFC (ownership)	4%	\$97.00/mo
Indirect (ownership)	8%	\$194.00/mo
Fuel (operating) @ 3.01	42%	\$6.35/hr

Revised Date: 2nd Half 2018

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)

Adjustments for 26" Saw in Concrete Saw

June 29, 2018

Miscellaneous 7-20SPC

Concrete Saws

 Size Class:
19 - 36 HP
 Weight:
N/A

Configuration for 7-20SPC

Blade Capacity Diameter	20 in	Blade Capacity Diameter	20 in
Type	Concrete	Type	Concrete
Horsepower	65	Horsepower	65
Maximum Cutting Depth	7.5	Maximum Cutting Depth	7.5

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$1,210.00	\$340.00	\$85.00	\$13.00	\$16.40	\$23.28
Adjustments						
Region (Washington, District of Columbia: 106%)	\$72.60	\$20.40	\$5.10	\$0.78		
Model Year (2018: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)	-	-	-	-		
Total:	\$1,282.60	\$360.40	\$90.10	\$13.78	\$16.40	\$23.69

Non-Active Use Rates

	Hourly
Standby Rate	\$4.08
Idling Rate	\$19.22

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	44%	\$532.40/mo
Overhaul (ownership)	44%	\$532.40/mo
CFC (ownership)	4%	\$48.40/mo
Indirect (ownership)	8%	\$96.80/mo
Fuel (operating) @ 2.35	73%	\$11.93/hr

Revised Date: 1st Half 2018

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The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)

Rental Rate Blue Book®

June 25, 2019

Miscellaneous 4X4 8YD DSL

On-Highway Rear Dumps

 Size Class:
26,001 - 33,000 GVW
 Weight:
9700 lbs

Configuration for 4X4 8YD DSL

Axle Configuration	4X4	Horsepower	217.0
Maximum Gross Vehicle Weight	30000.0 lbs	Power Mode	Diesel
Struck Capacity	7.0 - 8.0 cu yd		

Blue Book Rates

** FHWA Rate is equal to the monthly ownership cost divided by 176 plus the hourly estimated operating cost.

	Ownership Costs				Estimated Operating Costs Hourly	FHWA Rate** Hourly
	Monthly	Weekly	Daily	Hourly		
Published Rates	\$2,720.00	\$760.00	\$190.00	\$29.00	\$30.20	\$45.65
Adjustments						
Region (Washington, District of Columbia: 107.2%)	\$195.84	\$54.72	\$13.68	\$2.09		
Model Year (2019: 100%)	-	-	-	-		
Adjusted Hourly Ownership Cost (100%)	-	-	-	-		
Hourly Operating Cost (100%)					-	
Total:	\$2,915.84	\$814.72	\$203.68	\$31.09	\$30.20	\$46.77

Non-Active Use Rates

	Hourly
Standby Rate	\$11.43
Idling Rate	\$36.44

Rate Element Allocation

Element	Percentage	Value
Depreciation (ownership)	50%	\$1,360.00/mo
Overhaul (ownership)	31%	\$843.20/mo
CFC (ownership)	8%	\$217.60/mo
Indirect (ownership)	11%	\$299.20/mo
Fuel (operating) @ 3.27	66%	\$19.87/hr

Revised Date: 1st half 2019

These are the most accurate rates for the selected Revision Date(s). However, due to more frequent online updates, these rates may not match Rental Rate Blue Book Print. Visit the Cost Recovery Product Guide on our Help page for more information.

The equipment represented in this report has been exclusively prepared for ARASH HOOSHANGI (ardentbox-user@yahoo.com)

CONTRACT NO: 20-110-9-6	DATE: 04-13-21	CHANGE INITIATED BY: Arlington County- DES
----------------------------	-------------------	---

CONTRACT TITLE/CN TITLE DESCRIPTION: BALLSTON MU - METRO STATION AREA IMPROVEMENTS	Project Officer: DARA SOUM; ROBIN MCELHENNY
	Contract Specialist: N/A

CONTRACTOR:	Contracts Administrator: MICHELLE CHANEY
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SUMMARY DESCRIPTION OF CHANGE:

CHNAGE ORDER No.3: Add two (2) new items: Modified Streetlight Spreader Foundation for three (3) Streetlight Foundations; and New Meter Pedestal Installation.

CO 03 Includes:

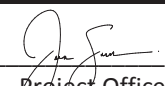
- PCO 12 – Modified Streetlight Spreader Foundations for three (3) SL Foundations
- PCO 13 – New Meter Pedestal Installation

See Attached CHANGE NOTICE for detailed description and scope of work for proposed change.

SCHEDULE IMPACT: DAYS NONE TO REPORT	ORDER OF MAGNITUDE ESTIMATE: NONE TO REPORT
---	--

DESIGN IMPACT BY THIS CHANGE: YES NO



If "YES", see attached RFI or other documentation for Project Officer concurrence.


 Project Officer

NEED/JUSTIFICATION FOR CHANGE:

SEE ATTACHED DETAIL DOCUMENT ON JUSTIFICATION FOR CHANGE ORDER PROVIDED BY CONSTRUCTION MANAGEMENT STAFF, REFERENCE DOCUMENT TITLED "MEMORANDUM OF NEGOTIATION" DATED 4-09-21, PG 1 TO 2 UNDER SUBTITLE CALLED "6.REMARKS

BUDGET IMPACT:			
CURRENT CONSTRUCTION BUDGET:	\$ 4,545,400.00	PENDING CHANGES:	\$52,272.00
ORIGINAL CONTRACT AMOUNT:	\$ 4,545,400.00	THIS CHANGE AMOUNT:	\$9,664.00
CURRENT CONTRACT AMOUNT:	\$ 4,545,400.00	TOTAL (CURRENT + CHANGES)	\$4,607,336.00
RESOLVED CHANGE AMOUNT:	N/A	FORECAST AMOUNT:	\$4,607,336.00

RECOMMENDATION AND APPROVALS					
CHANGE ESTIMATED:		< or = \$24,999	\$25,000 \$49,999	\$50,000 \$99,999	> or = \$100,000
 Project Officer	4/13/2021 Date	<input checked="" type="checkbox"/> APP	<input type="checkbox"/> APP	<input type="checkbox"/> APP	<input type="checkbox"/> APP
 Contract Administrator	4/13/21 Date	<input checked="" type="checkbox"/> APP	<input type="checkbox"/> APP	<input type="checkbox"/> APP	<input type="checkbox"/> APP
Bureau Chief/ Program Manager	Date			<input type="checkbox"/> APP	<input type="checkbox"/> APP
DES- Deputy Director	Date			<input type="checkbox"/> APP	<input type="checkbox"/> APP

ACCOUNT CODE:

Change Amount:

CO 03 Backup Documentation

CO 03 Includes:

- **PCO 12 – Modified Streetlight Spreader Foundations for three (3) SL Foundations**
- **PCO 13 – New Meter Pedestal Installation**

Section A. Memorandum of Negotiations

Section B. Itemized Final Negotiation Breakdown (PCO 12 & PCO 13)

Section C. Pencil Copy (working) Markups for Each Party's Estimate (PCO 12 & 13)

Section D. Original Party Estimates (PCO 12 & PCO 13)

Section A. Memorandum of Negotiations

**Ballston-MU Station Area Improvements Project
MEMORANDUM OF NEGOTIATIONS**

CHANGE ORDER No. 3 – Add two (2) new items: Modified Streetlight Spreader Foundation for three (3) Streetlight Foundations; and New Meter Pedestal Installation.

CONTRACT No: 20-110-9-6

DATE: 04/09/21

1. **PROJECT:** Ballston-MU Station Area Improvements Project

2. **REASON FOR CHANGE ORDER:** See Remarks below.

3. **ARLINGTON COUNTY ESTIMATE (ACE):**

Amount: \$9,441.00

Date: 03/29/20

4. **CONTRACTOR'S PROPOSAL (CP):**

Amount: \$9,866.00

Date: 03/26/21

5. **NEGOTIATIONS:**

Amount: New Items (2)

\$9,664.00

Date: 03/29/21

6. **REMARKS:**

Item No. 1 (PCO 12) – Modified Streetlight (SL) Spreader Foundations (New Item):

- Reason for Change Order: LP-9, LP-14 and LP-15 foundations cannot be constructed as designed due to shallow depths or existing obstructions. LP-9 is located near Planter 5 and the existing depth from the sidewalk surface to the top of the WMATA mezzanine slab is 3.86 ft.; LP-14 and LP-15 are located near Planter 8 and conflict with the existing concrete bike foundation. In response to Ardent RFI 25 and RFI 29 submitted on 11/24/20 and 12/18/20 for direction on how to construct these 3 SL foundations, the designer (Parsons) directed Ardent to use a spread footer design previously provided by the County. A price proposal was requested from Ardent to include cost of the additional work to construct the spread footers.
- Negotiation Recap: Held 03/29/21: Bijay Subedi (PM) representing Ardent (Contractor); Sekander Salihi (RE) representing Arlington County met virtually. Both parties agreed to use subcontractor expenses as presented in the CP then presented each party's estimate for this new item: Arlington Cty. Estimate (ACE) = \$4,790.00; Contractor's Proposal (CP) = \$5,138.00.

The parties discussed specifics of this change to ensure that there was a mutual understanding of the scope of work involved. Both parties negotiated and acknowledged the following:

- (1) The CP crew size was short 1 operator, and agreed on to add 1 operator for 5 Hrs.
- (2) The ACE included the estimated cost for rebars, colored concrete price difference and anchor bolts and delivery of materials as labor cost.
- (3) The CP inadvertently calculated tax twice for the colored concrete price difference which was omitted in the ACE.
- (4) The CP did not request time for the work but should have.

Based on these acknowledgements, the parties agreed to add time for an operator and that vendor quotes would be used for the rebar and anchor bolts estimate. As result, the parties arrived at a unit price of \$1,649.67 for each spread footer modification for a total of \$4,949.00 with 1 CD extension of the contract duration (8 hours for all three (3) spread footers).

Item No. 2 (PCO 13) – Addition of New Meter Service Pedestal Installation (New Item):

- Reason for Change Order: A service meter pedestal for streetlights was not specified in the design plans and was recommended to be installed by the Shahid Mohiuddin, County Engineer. On 01/05/21 in response to Ardent RFI 33 submitted on 12/24/20, the designer (Parsons) specified the location for the new service meter pedestal installation. A price proposal was requested from Ardent to furnish and install a new meter service pedestal.
- Negotiation Recap: Held on 03/29/21: Bijay Subedi (PM) representing Ardent (Contractor); and Sekander Salihi (RE) representing Arlington County met virtually and presented each party's estimate for this item: Arlington County Estimate (ACE) = \$4,651.00; Contractor's Proposal (CP) = \$4,728.00

The parties discussed specifics of this change to ensure that there was a mutual understanding of the scope of work involved. Both parties negotiated and acknowledged the following:

- (1) The CP crew size was short 1 operator.
- (2) The ACE included the estimated cost for electric service, conduits/wire, fuses and #57 stone and delivery of materials as labor cost.
- (3) The CP did not request time for the work but should have.

Based on these acknowledgements, the parties agreed to add time for an operator and that vendor quotes would be used for the electric service estimate. As result, the parties arrived at a Lump Sum (LS) price of \$4,715.00 for installation of new service pedestal with 2 CD extension of contract duration.

Summary of Negotiations	Arlington County Estimate	Contractor's Proposal	Negotiated Price
Add 2 New Items	\$9,441.00	\$9,886.00	\$9,664.00

The negotiations of 03/29/21 resulted in all parties agreeing to the same unit price for two (2) new contract items.

Based upon the findings, it is recommended that a change order be issued to Ardent for a lump sum amount of \$9,664.00. The following find the price to be fair and reasonable for the work involved.



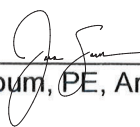
 Arash Hooshangi, Ardent President

4/9/21
 Date



 Sekander Salihi, EIT, STV Resident Engineer

4/09/21
 Date



 Dara Soum, PE, Arlington County Project Manager

4/13/21
 Date

Section B. Itemized Final Negotiation Breakdown (PCO 12 & PCO 13)

ARDENT



Final Negotiation Copy, 03/29/21

Ballston-MU Station Area Improvements Project
Arlington County, VA

PCO 12- Modified Streetlight Spreader Foundations

Description of Change;

Based on field condition, three (3) LP foundations were modified from original design to spreader footer.

Task Description	Quantity	Hours	Unit	Rate	Subtotals	Comments	
LABOR							
Foreman	1.00	8.00	Hrs.	\$38.00	\$304.00		
Laborer (skilled)	1.00	8.00	Hrs.	\$22.00	\$176.00		
Laborer (unskilled)	2.00	8.00	Hrs.	\$21.00	\$336.00		
Laborer (unskilled)	1.00	8.00	Hrs.	\$20.97	\$167.76		
Operator	1.00	5.00	Hrs.	\$23.93	\$119.65		
Dump Truck Driver	0.00	0.00	Hrs.	\$20.34	\$0.00		
Other	0.00	0.00	Hrs.	\$50.00	\$0.00		
					Subtotal Labor Base:	\$1,103.41	
					Ind. Labor	15.15% \$167.17	15.15% payroll burden
					Subtotal Labor:	\$1,270.58	
					O&P	15.00% \$190.59	O&P is on Base + Indirect Labor
					TOTAL LABOR	\$1,461.16	
EQUIPMENT							
Excavator	0.00	0.00	Hrs.	\$115.85	\$0.00		
Backhoe	0.00	24.00	Hrs.	\$34.87	\$0.00		
Skid Steer	0.00	32.00	Hrs.	\$29.63	\$0.00		
Dump Truck (Large)	0.00	0.00	Hrs.	\$97.40	\$0.00		
Dump Truck (Small)	0.00	13.00	Hrs.	\$46.77	\$0.00		
Generator	0.00		Hrs.		\$0.00		
Concrete Saw	0.00	24.00	Hrs.	\$23.69	\$0.00		
Small Tools	0.00		Hrs.		\$0.00		
Service Truck	0.00	0.00	Hrs.	\$35.00	\$0.00	no service truck used	
Pickup Truck	1.00	8.00	Hrs.	\$28.26	\$226.08		
					Subtotal Equipment:	\$226.08	
					O&P	0.00% \$0.00	
					TOTAL EQUIPMENT:	\$226.08	
MATERIAL							
Rebars	1.00	see comment	LS	\$780.00	\$780.00	Supplier (Victory Steel., Inc)	
Anchor bolts	1.00	see comment	LS	\$831.36	\$831.36	Supplier (Traffic Safety and Technology)	
Colored Concrete	1.00		LS	\$1,464.86	\$1,464.86		
Other	0.00		LS	\$0.00	\$0.00		
					Subtotal Material:	\$3,076.22	
					Price +6% Tax	\$3,260.79	
					O&P	0.00% \$0.00	
					TOTAL MATERIAL	\$3,260.79	
SUBCONTRACTOR							
Sub 1		0.00		\$0.00	\$0.00		
		0.00		\$0.00	\$0.00		
		0.00		\$0.00	\$0.00		
		0.00		\$0.00	\$0.00		
		0.00		\$0.00	\$0.00		
					Subtotal Sub:	\$0.00	
					O&P	10.00% \$0.00	
					TOTAL SUB	\$0.00	
					SUBTOTAL L+E+M:	\$4,948.04	
					Bond	0.00% \$0.00	
					TOTAL L+E+M+S:	\$4,948.04	
					Roundup Each (Unit):	\$4,949.00	For three modified foundations
					Total Each (Unit):	1	
					CO TOTAL:	\$ 4,949.00	LS for three modified foundations

Created by: S. Salihi, E.I.T, Resident Engineer,
Checked by: A. Ronca, PE, 3/29/21

1. 1 days time was considered for the estimated task.
2. Production rate and crew size was based on current crew size for similar work.
3. Trade rates reflect effective payroll rates, plus payroll burden.
4. 2020 Rental Rate Blue Book rates were referenced and considered in preparation of this estimate.