

# CLAYTON COUNTY WATER AUTHORITY

## Request for Bids

### Tree Removal Services

**Bid Number: 2018-SW-21**

**Bid Opening: Tuesday, October 2, 2018 at 2:00 p.m. local time  
1600 Battle Creek Road, Morrow, GA 30260**

#### **A D D E N D U M # 1**

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Dated: September 25, 2018

***Acknowledgment of receipt of this addendum **MUST BE SIGNED AND INCLUDED IN YOUR RESPONSE TO THE RFB.*****

#### **QUESTIONS:**

- 1. Can you please provide the bid tab for the previous bid?**

Answer: The bid tabulation is provided on pages 4-5 of this Addendum.

- 2. Can you please provide copies of the last 3 work documents?**

Answer: See the last 6 pages of this Addendum.

- 3. Division 2, Section 4: Bid Form – Pay Item Schedule (Items #43-45): What does the 10% signify under the unit cost column?**

Answer: It means those items will be paid at invoice cost plus a Contractor's 10% markup in accordance with the Pay Item Schedule as authorized/approved by CCWA. Please refer to Division 4, Section 1: Work Items 43, 44, and 45.

- 4. Also, if an item does not apply to us, how do we respond so that we are not disqualified from the bid. For example, item #43, we own all our equipment, therefore we do not have any equipment rental expenses. Do we just write N/A in the unit cost column?**

Answer: Per the RFB documents, to be considered responsive to this bid, contractors are required to bid on all work items listed on the Bid Form - Pay Item Schedule. However, items 43-45 are standard "Cost Plus" work items, therefore bidders will not need to provide pricing for those items.

- 5. Can you clarify what Supplied Materials means (item #44)?**

Answer: Refer to Division 4, Section 1: Work Assignment and Detail (page 4-1.6).

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- 6. Can you clarify what Specialty Services means (item #45)?**

Answer: Refer to Division 4, Section 1: Work Assignment and Detail (page 4-1.6).

- 7. C&C Disaster Tree Service is requesting a copy of the previous bid results.**

Answer: Refer to Question 1.

- 8. On Section 1: Instruction to Bidders, it says the Successful Bidder will be asked to provide along with his request for payment each month a list of qualified SLBE and MBE/WBE businesses utilized on this project. Since we are a qualified SLBE would that satisfy the requirement?**

Answer: Please disregard the referenced paragraph on the Instructions to Bidders as bid discounts are being offered to SLBE primes only.

- 9. Section 4: Bid Form: On Items number 17-24 please clarify/explain exactly what you are looking for, relative to these items.**

Answer: Refer to Division 4, Section 1: Work Assignment and Detail (page 4-1.5).

- 10. Section 4: Bid Form: On item number 25, we retain the services of an Arborist who evaluates and diagnosis and concerns we may have with the trees in question. Will the consultation fee and services from the Arborist be sufficient or what specifically are you looking for?**

Answer: Per the RFB documents: The work will be paid on a "per hour" basis as authorized and approved by CCWA. Refer to Division 4, Section 1: Work Assignment and Detail (page 4-1.5).

- 11. Section 4: Bid Form: On items number 26-30, some of these positions are currently not filled or utilized in our operation, should we simply provide an estimated salary for these positions.**

Answer: Per the RFB documents: Only the time the labor position is on the work site and working will be considered for payment. The hourly rate shall be the Contractor's total expense per hour for the indicated labor position. If bidders hire someone at a higher rate, we are only obligated to pay the listed rate on their Bid

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Form. Refer to Division 4, Section 1: Work Assignment and Detail (page 4-1.5 and 4-1.6).

- 12. Section 4: Bid Form: On items 31-35 some of the equipments are rented, would the rental fee be sufficient to satisfy these items.**

Answer: Bidders must provide unit pricing for these items. If the bidder chooses to use a rental fee as their unit price, it must be aligned with the "Unit of Measure" shown on the Bid Form. There will be no substitutions from the "UOM's" shown on the Bid Form. If the bidder uses a rental fee from a third party, the bidder will not be entitled to payment from separate work items for the same piece of rental equipment. Refer to Division 4, Section 1: Work Assignment and Detail (page 4-1.6).

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SIGNATURE

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COMPANY NAME

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DATE

**CLAYTON COUNTY WATER AUTHORITY**  
**Tree Removal Services**  
**Bid Number: 2018-SW-21**  
**ADDENDUM # 1**

October 2017

Clayton County Water Authority  
Annual Contract for Tree Removal Services

**UNIT PRICING**

No.	Work Item	Detail	Unit	Atlanta Premier Tree Solutions, LLC	Graham County Land Company, LLC	Landrum Tree Service	Premier Tree & Shrub Care	Rhino Services, LLC	TREWORKS
				Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost
1	Emergency Mobilization		EA		3,000.00	400.00	195.00	425.00	450.00
2	Tree Cutting and Removal	Removal of trees 4" to 8" DBH	EA		57.50	98.50	75.00	95.00	65.00
3	Tree Cutting and Removal	Removal of trees > 8" to 16" DBH	EA		172.50	182.50	275.00	175.00	175.00
4	Tree Cutting and Removal	Removal of trees > 16" to 24" DBH	EA		287.50	385.00	375.00	375.00	350.00
5	Tree Cutting and Removal	Removal of trees > 24" to 32" DBH	EA		373.25	559.00	500.00	560.00	500.00
6	Tree Cutting and Removal	Removal of trees > 32" DBH	EA		575.00	845.00	700.00	750.00	700.00
7	Tree Stump Grinding and Removal	Stump Grinding 4" to 8" DIA	EA		25.00	12.00	25.00	10.00	10.00
8	Tree Stump Grinding and Removal	Stump Grinding > 8" to 16" DIA	EA		37.50	19.00	50.00	20.00	20.00
9	Tree Stump Grinding and Removal	Stump Grinding > 16" to 24" DIA	EA		75.00	45.00	95.00	40.00	40.00
10	Tree Stump Grinding and Removal	Stump Grinding > 24" to 32" DIA	EA		125.00	95.00	125.00	60.00	60.00
11	Tree Stump Grinding and Removal	Stump Grinding > 32" DIA	EA		175.00	150.00	125.00	80.00	80.00
12	Tree Trimming and Removal	Tree Trimming up to 4" DIA	EA		60.00	59.00	75.00	55.00	35.00
13	Tree Trimming and Removal	Tree Trimming > 4" to 8" DIA	EA		120.00	89.00	200.00	95.00	60.00
14	Tree Trimming and Removal	Tree Trimming > 8" to 16" DIA	EA		180.00	195.00	250.00	175.00	175.00
15	Tree Trimming and Removal	Tree Trimming > 16" to 24" DIA	EA		250.00	349.00	300.00	375.00	350.00
16	Tree Trimming and Removal	Tree Trimming > 24" DIA	EA		500.00	450.00	375.00	550.00	500.00
17	Mechanical Bush Hogging/Brush Clearing	Areas Less that 5,000 S.F.	SF		0.15	0.29	0.05	0.03	0.04
18	Mechanical Bush Hogging/Brush Clearing	Areas between 5,001 S.F. to 20,000 S.F.	SF		0.06	0.03	0.05	0.02	0.03
19	Mechanical Bush Hogging/Brush Clearing	Areas between 20,001 S.F. to 40,000 S.F.	SF		0.03	0.02	0.05	0.02	0.02
20	Mechanical Bush Hogging/Brush Clearing	Areas greater than 40,001 S.F.	SF		0.03	0.02	0.05	0.02	1.10
21	Manual Brush Clearing and Removal	Areas Less that 5,000 S.F.	SF		0.30	0.19	0.25	0.03	0.25
22	Manual Brush Clearing and Removal	Areas between 5,001 S.F. to 20,000 S.F.	SF		0.11	0.19	0.25	0.03	0.23
23	Manual Brush Clearing and Removal	Areas between 20,001 S.F. to 40,000 S.F.	SF		0.07	0.19	0.25	0.03	0.20
24	Manual Brush Clearing and Removal	Areas greater than 40,001 S.F.	SF		0.07	0.19	0.25	0.03	0.18
25	Tree Inventory & Surveying	Consultation Services	HR		200.00	28.50	60.00	50.00	30.00
26	Hourly Labor	Superintendent	HR		85.00	125.00	40.00	35.00	27.00
27	Hourly Labor	Foreman	HR		75.00	125.00	30.00	25.00	19.50
28	Hourly Labor	Operator	HR		60.00	125.00	20.00	15.00	21.00
29	Hourly Labor	Laborer/Climbers	HR		45.00	185.00	18.00	35.00	25.00
30	Hourly Labor	Dump Truck Driver	HR		60.00	75.00	20.00	35.00	27.00
31	Hourly Equipment	17,000 # Class Excavator	HR		75.00	95.00	60.00	65.00	75.00

**CLAYTON COUNTY WATER AUTHORITY**  
**Tree Removal Services**  
**Bid Number: 2018-SW-21**  
**ADDENDUM # 1**

October 2017

Clayton County Water Authority  
Annual Contract for Tree Removal Services

**UNIT PRICING**

No.	Work Item	Detail	Unit	Atlanta Premier Tree Solutions, LLC	Graham County Land Company, LLC	Landrum Tree Service	Premier Tree & Shrub Care	Rhino Services, LLC	TREWORKS
				Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost	Unit Cost
32	Hourly Equipment	10,000 # Class Excavator	HR		65.00	95.00	30.00	40.00	65.00
33	Hourly Equipment	30,000 # Class Rubber Tired Loader	HR		85.00	125.00	80.00	38.00	100.00
34	Hourly Equipment	Rubber Tired Backhoe / Loader	HR		85.00	125.00	30.00	32.00	45.00
35	Hourly Equipment	18,000 # Class Track Dozler	HR		85.00	295.00	100.00	42.00	63.00
36	Hourly Equipment	Dump Truck (Tandem Rear Axle)	HR		85.00	150.00	125.00	60.00	75.00
37	Hourly Equipment	Utility Truck - Fully Equipped	HR		40.00	300.00	45.00	25.00	35.00
38	Hourly Equipment	Boom Truck - Min 55' Vertical Reach	HR		120.00	300.00	65.00	35.00	95.00
39	Hourly Equipment	Grapple Truck with Dump Body	HR		150.00	400.00	125.00	55.00	75.00
40	Hourly Equipment	Shredder/Chipper 6" Capacity	HR		50.00	31.25	35.00	15.00	30.00
41	Hourly Equipment	Shredder/Chipper 12" Capacity	HR		80.00	31.25	35.00	30.00	40.00
42	Hourly Equipment	Shredder/Chipper 18" Capacity	HR		125.00	42.50	35.00	40.00	60.00
43	Equipment Rental		EA						
44	Supplied Material		EA						
45	Specialty Services		EA						

**TreeWorks**  
**Tree Removal Services**  
 533 North Bethany Road  
 McDonough, GA 30253  
 Phone 770.826.9189  
[treeworksinc@bellsouth.net](mailto:treeworksinc@bellsouth.net)

Invoice # 158287-5

Invoice Date: 9/21/18

**Clayton County Water Authority**  
**Project Work Order/Invoice**  
**TREEREM1**



Project Number: \_\_\_\_\_  
 Project Name: Detention Pond  
 Purchase Order Number: 158287  
 Street Name/Address: 251 Heathrow Drive  
 CCWA Authorization: \_\_\_\_\_  
 Authorization Date: \_\_\_\_\_

Contractor: Treeworks Inc  
 Acceptance By/Date: \_\_\_\_\_  
 Days to Complete: \_\_\_\_\_  
 Start Date: \_\_\_\_\_

**Estimated Total: \$2,000.00**

**Installed Total: \$2,000.00**

The Project Work Order summarizes work items and quantities to complete. Work items and quantities may be adjusted as necessary with prior CCWA approval. When applicable, attach Work Quotations to Project Work Order.

No.	Item Master #	Description	Description 2	Unit	Unit Price	Estimated Quantity	Estimated Cost	Installed Quantity	Installed Cost
1	C-MOB-00008	Emergency Mobilization		EA	450.00		\$ -		\$ -
2	C-SWT-00014	Tree Cutting and Removal	Removal of trees 4" to 8" DBH	EA	65.00	6	\$ 390.00	6	\$ 390.00
3	C-SWT-00015	Tree Cutting and Removal	Removal of trees > 8" to 16" DBH	EA	175.00		\$ -		\$ -
4	C-SWT-00016	Tree Cutting and Removal	Removal of trees > 16" to 24" DBH	EA	350.00		\$ -		\$ -
5	C-SWT-00017	Tree Cutting and Removal	Removal of trees > 24" to 32" DBH	EA	500.00		\$ -		\$ -
6	C-SWT-00018	Tree Cutting and Removal	Removal of trees > 32" DBH	EA	700.00		\$ -		\$ -
7	C-SWT-00019	Tree Stump Grinding and Removal	Stump Grinding 4" to 8" DIA	EA	10.00		\$ -		\$ -
8	C-SWT-00020	Tree Stump Grinding and Removal	Stump Grinding > 8" to 16" DIA	EA	20.00		\$ -		\$ -
9	C-SWT-00021	Tree Stump Grinding and Removal	Stump Grinding > 16" to 24" DIA	EA	40.00		\$ -		\$ -
10	C-SWT-00022	Tree Stump Grinding and Removal	Stump Grinding > 24" to 32" DIA	EA	60.00		\$ -		\$ -
11	C-SWT-00023	Tree Stump Grinding and Removal	Stump Grinding > 32" DIA	EA	80.00		\$ -		\$ -
12	C-SWT-00024	Tree Trimming and Removal	Tree Trimming up to 4" DIA	EA	35.00		\$ -		\$ -
13	C-SWT-00025	Tree Trimming and Removal	Tree Trimming > 4" to 8" DIA	EA	60.00		\$ -		\$ -
14	C-SWT-00026	Tree Trimming and Removal	Tree Trimming > 8" to 16" DIA	EA	175.00		\$ -		\$ -
15	C-SWT-00027	Tree Trimming and Removal	Tree Trimming > 16" to 24" DIA	EA	350.00		\$ -		\$ -
16	C-SWT-00028	Tree Trimming and Removal	Tree Trimming > 24" DIA	EA	500.00		\$ -		\$ -
17	C-SWT-00002	Mechanical Bush Hogging/Brush Clearing	Areas Less than 5,000 S.F.	SF	0.04		\$ -		\$ -
18	C-SWT-00003	Mechanical Bush Hogging/Brush Clearing	Areas between 5,001 S.F. to 20,000 S.F.	SF	0.03		\$ -		\$ -
19	C-SWT-00004	Mechanical Bush Hogging/Brush Clearing	Areas between 20,001 S.F. to 40,000 S.F.	SF	0.02		\$ -		\$ -
20	C-SWT-00005	Mechanical Bush Hogging/Brush Clearing	Areas greater than 40,001 S.F.	SF	0.01		\$ -		\$ -
21	C-SWT-00006	Manual Brush Clearing and Removal	Areas Less than 5,000 S.F.	SF	0.25		\$ -		\$ -
22	C-SWT-00007	Manual Brush Clearing and Removal	Areas between 5,001 S.F. to 20,000 S.F.	SF	0.23	7000	\$ 1,610.00	7000	\$ 1,610.00
23	C-SWT-00008	Manual Brush Clearing and Removal	Areas between 20,001 S.F. to 40,000 S.F.	SF	0.20		\$ -		\$ -
24	C-SWT-00009	Manual Brush Clearing and Removal	Areas greater than 40,001 S.F.	SF	0.18		\$ -		\$ -
25	C-SWT-00029	Tree Inventory & Surveying	Consultation Services	HR	30.00		\$ -		\$ -
26	C-HRLY-00001	Hourly Labor	Superintendent	HR	27.00		\$ -		\$ -
27	C-HRLY-00002	Hourly Labor	Foreman	HR	19.50		\$ -		\$ -
28	C-HRLY-00003	Hourly Labor	Operator	HR	21.00		\$ -		\$ -
29	C-HRLY-00005	Hourly Labor	Laborer/Climbers	HR	25.00		\$ -		\$ -
30	C-HRLY-00006	Hourly Labor	Dump Truck Driver	HR	27.00		\$ -		\$ -
31	C-HRLY-00010	Hourly Equipment	17,000 # Class Excavator	HR	75.00		\$ -		\$ -
32	C-HRLY-00011	Hourly Equipment	10,000 # Class Excavator	HR	65.00		\$ -		\$ -

No.	Item Master #	Description	Description 2	Unit	Unit Price	Estimated Quantity	Estimated Cost	Installed Quantity	Installed Cost
33	C-HRLY-00012	Hourly Equipment	30,000 # Class Rubber Tired Loader	HR	100.00		\$ -		\$ -
34	C-HRLY-00013	Hourly Equipment	Rubber Tired Backhoe / Loader	HR	45.00		\$ -		\$ -
35	C-HRLY-00014	Hourly Equipment	18,000 # Class Track Dozier	HR	63.00		\$ -		\$ -
36	C-HRLY-00017	Hourly Equipment	Dump Truck (Tandem Rear Axle)	HR	75.00		\$ -		\$ -
37	C-HRLY-00021	Hourly Equipment	Utility Truck - Fully Equipped	HR	35.00		\$ -		\$ -
38	C-HRLY-00029	Hourly Equipment	Boom Truck - Min 55' Vertical Reach	HR	95.00		\$ -		\$ -
39	C-HRLY-00030	Hourly Equipment	Grapple Truck with Dump Body	HR	75.00		\$ -		\$ -
40	C-HRLY-00031	Hourly Equipment	Shredder/Chipper 6" Capacity	HR	30.00		\$ -		\$ -
41	C-HRLY-00032	Hourly Equipment	Shredder/Chipper 12" Capacity	HR	40.00		\$ -		\$ -
42	C-HRLY-00033	Hourly Equipment	Shredder/Chipper 18" Capacity	HR	60.00		\$ -		\$ -
43	C-HRLY-00026	Equipment Rental		EA	1.10		\$ -		\$ -
44	C-HRLY-00027	Supplied Material		EA	1.10		\$ -		\$ -
45	C-HRLY-00028	Specialty Services		EA	1.10		\$ -		\$ -
							\$ -		\$ -

Please Pay This Amount: **\$2,000.00**



**TreeWorks**  
**Tree Removal Services**  
 533 North Bethany Road  
 McDonough, GA 30253  
 Phone 770.826.9189  
[treeworksinc@bellsouth.net](mailto:treeworksinc@bellsouth.net)

Invoice # 158287-3

Invoice Date: 9/21/18

**Clayton County Water Authority**  
**Project Work Order/Invoice**  
**TREEREM1**



Project Number: \_\_\_\_\_  
 Project Name: Detention Pond  
 Purchase Order Number: 158287  
 Street Name/Address: 18 Marissa Cove  
 CCWA Authorization: \_\_\_\_\_  
 Authorization Date: \_\_\_\_\_

Contractor: Treeworks Inc  
 Acceptance By/Date: \_\_\_\_\_  
 Days to Complete: \_\_\_\_\_  
 Start Date: \_\_\_\_\_

**Estimated Total: \$1,747.00**

**Installed Total: \$1,747.00**

The Project Work Order summarizes work items and quantities to complete. Work items and quantities may be adjusted as necessary with prior CCWA approval. When applicable, attach Work Quotations to Project Work Order.

No.	Item Master #	Description	Description 2	Unit	Unit Price	Estimated Quantity	Estimated Cost	Installed Quantity	Installed Cost
1	C-MOB-00008	Emergency Mobilization		EA	450.00		\$ -		\$ -
2	C-SWT-00014	Tree Cutting and Removal	Removal of trees 4" to 8" DBH	EA	65.00	13	\$ 845.00	13	\$ 845.00
3	C-SWT-00015	Tree Cutting and Removal	Removal of trees > 8" to 16" DBH	EA	175.00		\$ -		\$ -
4	C-SWT-00016	Tree Cutting and Removal	Removal of trees > 16" to 24" DBH	EA	350.00		\$ -		\$ -
5	C-SWT-00017	Tree Cutting and Removal	Removal of trees > 24" to 32" DBH	EA	500.00		\$ -		\$ -
6	C-SWT-00018	Tree Cutting and Removal	Removal of trees > 32" DBH	EA	700.00		\$ -		\$ -
7	C-SWT-00019	Tree Stump Grinding and Removal	Stump Grinding 4" to 8" DIA	EA	10.00		\$ -		\$ -
8	C-SWT-00020	Tree Stump Grinding and Removal	Stump Grinding > 8" to 16" DIA	EA	20.00		\$ -		\$ -
9	C-SWT-00021	Tree Stump Grinding and Removal	Stump Grinding > 16" to 24" DIA	EA	40.00		\$ -		\$ -
10	C-SWT-00022	Tree Stump Grinding and Removal	Stump Grinding > 24" to 32" DIA	EA	60.00		\$ -		\$ -
11	C-SWT-00023	Tree Stump Grinding and Removal	Stump Grinding > 32" DIA	EA	80.00		\$ -		\$ -
12	C-SWT-00024	Tree Trimming and Removal	Tree Trimming up to 4" DIA	EA	35.00		\$ -		\$ -
13	C-SWT-00025	Tree Trimming and Removal	Tree Trimming > 4" to 8" DIA	EA	60.00		\$ -		\$ -
14	C-SWT-00026	Tree Trimming and Removal	Tree Trimming > 8" to 16" DIA	EA	175.00		\$ -		\$ -
15	C-SWT-00027	Tree Trimming and Removal	Tree Trimming > 16" to 24" DIA	EA	350.00		\$ -		\$ -
16	C-SWT-00028	Tree Trimming and Removal	Tree Trimming > 24" DIA	EA	500.00		\$ -		\$ -
17	C-SWT-00002	Mechanical Bush Hogging/Brush Clearing	Areas Less than 5,000 S.F.	SF	0.04		\$ -		\$ -
18	C-SWT-00003	Mechanical Bush Hogging/Brush Clearing	Areas between 5,001 S.F. to 20,000 S.F.	SF	0.03		\$ -		\$ -
19	C-SWT-00004	Mechanical Bush Hogging/Brush Clearing	Areas between 20,001 S.F. to 40,000 S.F.	SF	0.02		\$ -		\$ -
20	C-SWT-00005	Mechanical Bush Hogging/Brush Clearing	Areas greater than 40,001 S.F.	SF	0.01		\$ -		\$ -
21	C-SWT-00006	Manual Brush Clearing and Removal	Areas Less than 5,000 S.F.	SF	0.25	3608	\$ 902.00	3608	\$ 902.00
22	C-SWT-00007	Manual Brush Clearing and Removal	Areas between 5,001 S.F. to 20,000 S.F.	SF	0.23		\$ -		\$ -
23	C-SWT-00008	Manual Brush Clearing and Removal	Areas between 20,001 S.F. to 40,000 S.F.	SF	0.20		\$ -		\$ -
24	C-SWT-00009	Manual Brush Clearing and Removal	Areas greater than 40,001 S.F.	SF	0.18		\$ -		\$ -
25	C-SWT-00029	Tree Inventory & Surveying	Consultation Services	HR	30.00		\$ -		\$ -
26	C-HRLY-00001	Hourly Labor	Superintendent	HR	27.00		\$ -		\$ -
27	C-HRLY-00002	Hourly Labor	Foreman	HR	19.50		\$ -		\$ -
28	C-HRLY-00003	Hourly Labor	Operator	HR	21.00		\$ -		\$ -
29	C-HRLY-00005	Hourly Labor	Laborer/Climbers	HR	25.00		\$ -		\$ -
30	C-HRLY-00006	Hourly Labor	Dump Truck Driver	HR	27.00		\$ -		\$ -
31	C-HRLY-00010	Hourly Equipment	17,000 # Class Excavator	HR	75.00		\$ -		\$ -
32	C-HRLY-00011	Hourly Equipment	10,000 # Class Excavator	HR	65.00		\$ -		\$ -



No.	Item Master #	Description	Description 2	Unit	Unit Price	Estimated Quantity	Estimated Cost	Installed Quantity	Installed Cost
33	C-HRLY-00012	Hourly Equipment	30,000 # Class Rubber Tired Loader	HR	100.00		\$ -		\$ -
34	C-HRLY-00013	Hourly Equipment	Rubber Tired Backhoe / Loader	HR	45.00		\$ -		\$ -
35	C-HRLY-00014	Hourly Equipment	18,000 # Class Track Dozier	HR	63.00		\$ -		\$ -
36	C-HRLY-00017	Hourly Equipment	Dump Truck (Tandem Rear Axle)	HR	75.00		\$ -		\$ -
37	C-HRLY-00021	Hourly Equipment	Utility Truck - Fully Equipped	HR	35.00		\$ -		\$ -
38	C-HRLY-00029	Hourly Equipment	Boom Truck - Min 55' Vertical Reach	HR	95.00		\$ -		\$ -
39	C-HRLY-00030	Hourly Equipment	Grapple Truck with Dump Body	HR	75.00		\$ -		\$ -
40	C-HRLY-00031	Hourly Equipment	Shredder/Chipper 6" Capacity	HR	30.00		\$ -		\$ -
41	C-HRLY-00032	Hourly Equipment	Shredder/Chipper 12" Capacity	HR	40.00		\$ -		\$ -
42	C-HRLY-00033	Hourly Equipment	Shredder/Chipper 18" Capacity	HR	60.00		\$ -		\$ -
43	C-HRLY-00026	Equipment Rental		EA	1.10		\$ -		\$ -
44	C-HRLY-00027	Supplied Material		EA	1.10		\$ -		\$ -
45	C-HRLY-00028	Specialty Services		EA	1.10		\$ -		\$ -
							\$ -		\$ -

Please Pay This Amount: **\$1,747.00**

**TreeWorks**  
**Tree Removal Services**  
 533 North Bethany Road  
 McDonough, GA 30253  
 Phone 770.826.9189  
[treeworksinc@bellsouth.net](mailto:treeworksinc@bellsouth.net)

Invoice # 158028-4

Invoice Date: 8/31/18

**Clayton County Water Authority**  
**Project Work Order/Invoice**  
**TREEREM1**



Project Number: \_\_\_\_\_  
 Project Name: Detention Pond  
 Purchase Order Number: 158028  
 Street Name/Address: 0 Shadowmoore Dr.  
 CCWA Authorization: \_\_\_\_\_  
 Authorization Date: \_\_\_\_\_

Contractor: Treeworks Inc  
 Acceptance By/Date: \_\_\_\_\_  
 Days to Complete: \_\_\_\_\_  
 Start Date: \_\_\_\_\_

**Estimated Total: \$817.25**

**Installed Total: \$817.25**

The Project Work Order summarizes work items and quantities to complete. Work items and quantities may be adjusted as necessary with prior CCWA approval. When applicable, attach Work Quotations to Project Work Order.

No.	Item Master #	Description	Description 2	Unit	Unit Price	Estimated Quantity	Estimated Cost	Installed Quantity	Installed Cost
1	C-MOB-00008	Emergency Mobilization		EA	450.00		\$ -		\$ -
2	C-SWT-00014	Tree Cutting and Removal	Removal of trees 4" to 8" DBH	EA	65.00		\$ -		\$ -
3	C-SWT-00015	Tree Cutting and Removal	Removal of trees > 8" to 16" DBH	EA	175.00		\$ -		\$ -
4	C-SWT-00016	Tree Cutting and Removal	Removal of trees > 16" to 24" DBH	EA	350.00		\$ -		\$ -
5	C-SWT-00017	Tree Cutting and Removal	Removal of trees > 24" to 32" DBH	EA	500.00		\$ -		\$ -
6	C-SWT-00018	Tree Cutting and Removal	Removal of trees > 32" DBH	EA	700.00		\$ -		\$ -
7	C-SWT-00019	Tree Stump Grinding and Removal	Stump Grinding 4" to 8" DIA	EA	10.00		\$ -		\$ -
8	C-SWT-00020	Tree Stump Grinding and Removal	Stump Grinding > 8" to 16" DIA	EA	20.00		\$ -		\$ -
9	C-SWT-00021	Tree Stump Grinding and Removal	Stump Grinding > 16" to 24" DIA	EA	40.00		\$ -		\$ -
10	C-SWT-00022	Tree Stump Grinding and Removal	Stump Grinding > 24" to 32" DIA	EA	60.00		\$ -		\$ -
11	C-SWT-00023	Tree Stump Grinding and Removal	Stump Grinding > 32" DIA	EA	80.00		\$ -		\$ -
12	C-SWT-00024	Tree Trimming and Removal	Tree Trimming up to 4" DIA	EA	35.00		\$ -		\$ -
13	C-SWT-00025	Tree Trimming and Removal	Tree Trimming > 4" to 8" DIA	EA	60.00		\$ -		\$ -
14	C-SWT-00026	Tree Trimming and Removal	Tree Trimming > 8" to 16" DIA	EA	175.00		\$ -		\$ -
15	C-SWT-00027	Tree Trimming and Removal	Tree Trimming > 16" to 24" DIA	EA	350.00		\$ -		\$ -
16	C-SWT-00028	Tree Trimming and Removal	Tree Trimming > 24" DIA	EA	500.00		\$ -		\$ -
17	C-SWT-00002	Mechanical Bush Hogging/Brush Clearing	Areas Less than 5,000 S.F.	SF	0.04		\$ -		\$ -
18	C-SWT-00003	Mechanical Bush Hogging/Brush Clearing	Areas between 5,001 S.F. to 20,000 S.F.	SF	0.03		\$ -		\$ -
19	C-SWT-00004	Mechanical Bush Hogging/Brush Clearing	Areas between 20,001 S.F. to 40,000 S.F.	SF	0.02		\$ -		\$ -
20	C-SWT-00005	Mechanical Bush Hogging/Brush Clearing	Areas greater than 40,001 S.F.	SF	0.01		\$ -		\$ -
21	C-SWT-00006	Manual Brush Clearing and Removal	Areas Less than 5,000 S.F.	SF	0.25	3269	\$ 817.25	3269	\$ 817.25
22	C-SWT-00007	Manual Brush Clearing and Removal	Areas between 5,001 S.F. to 20,000 S.F.	SF	0.23		\$ -		\$ -
23	C-SWT-00008	Manual Brush Clearing and Removal	Areas between 20,001 S.F. to 40,000 S.F.	SF	0.20		\$ -		\$ -
24	C-SWT-00009	Manual Brush Clearing and Removal	Areas greater than 40,001 S.F.	SF	0.18		\$ -		\$ -
25	C-SWT-00029	Tree Inventory & Surveying	Consultation Services	HR	30.00		\$ -		\$ -
26	C-HRLY-00001	Hourly Labor	Superintendent	HR	27.00		\$ -		\$ -
27	C-HRLY-00002	Hourly Labor	Foreman	HR	19.50		\$ -		\$ -
28	C-HRLY-00003	Hourly Labor	Operator	HR	21.00		\$ -		\$ -
29	C-HRLY-00005	Hourly Labor	Laborer/Climbers	HR	25.00		\$ -		\$ -
30	C-HRLY-00006	Hourly Labor	Dump Truck Driver	HR	27.00		\$ -		\$ -
31	C-HRLY-00010	Hourly Equipment	17,000 # Class Excavator	HR	75.00		\$ -		\$ -
32	C-HRLY-00011	Hourly Equipment	10,000 # Class Excavator	HR	65.00		\$ -		\$ -

No.	Item Master #	Description	Description 2	Unit	Unit Price	Estimated Quantity	Estimated Cost	Installed Quantity	Installed Cost
33	C-HRLY-00012	Hourly Equipment	30,000 # Class Rubber Tired Loader	HR	100.00		\$ -		\$ -
34	C-HRLY-00013	Hourly Equipment	Rubber Tired Backhoe / Loader	HR	45.00		\$ -		\$ -
35	C-HRLY-00014	Hourly Equipment	18,000 # Class Track Dozier	HR	63.00		\$ -		\$ -
36	C-HRLY-00017	Hourly Equipment	Dump Truck (Tandem Rear Axle)	HR	75.00		\$ -		\$ -
37	C-HRLY-00021	Hourly Equipment	Utility Truck - Fully Equipped	HR	35.00		\$ -		\$ -
38	C-HRLY-00029	Hourly Equipment	Boom Truck - Min 55' Vertical Reach	HR	95.00		\$ -		\$ -
39	C-HRLY-00030	Hourly Equipment	Grapple Truck with Dump Body	HR	75.00		\$ -		\$ -
40	C-HRLY-00031	Hourly Equipment	Shredder/Chipper 6" Capacity	HR	30.00		\$ -		\$ -
41	C-HRLY-00032	Hourly Equipment	Shredder/Chipper 12" Capacity	HR	40.00		\$ -		\$ -
42	C-HRLY-00033	Hourly Equipment	Shredder/Chipper 18" Capacity	HR	60.00		\$ -		\$ -
43	C-HRLY-00026	Equipment Rental		EA	1.10		\$ -		\$ -
44	C-HRLY-00027	Supplied Material		EA	1.10		\$ -		\$ -
45	C-HRLY-00028	Specialty Services		EA	1.10		\$ -		\$ -
							\$ -		\$ -

Please Pay This Amount:

**\$817.25**