



ORDINANCE NO. 1884-18

AN ORDINANCE RATIFYING AND CONFIRMING THE EXECUTION OF A PREVIOUSLY EXECUTED AGREEMENT—FRONT RANGE ENVIRONMENTAL—BRIERWOODS PRESERVE WETLAND MAINTENANCE

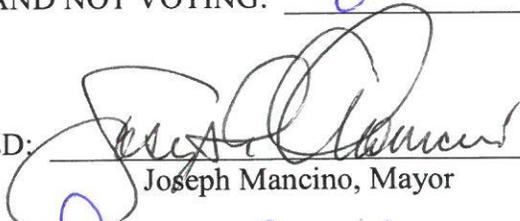
BE IT ORDAINED by the Mayor and Board of Trustees of the Village of Hawthorn Woods, Illinois, that this ordinance is ratification in furtherance of a previously executed Agreement with Front Range Environmental, for providing conservation measures to control the existing riparian corridor and creating a quality wetland at the Brierwoods Preserve. Such Agreement is by and between the Village of Hawthorn Woods and Front Range Environmental, in amount not to exceed \$19,404.00 a copy of which is attached hereto as Exhibit "A", and, by this reference made a part hereof.

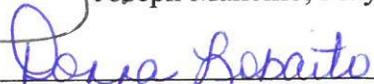
The foregoing Ordinance was adopted by the Village Board of the Village of Hawthorn Woods, Illinois, on September 24, 2018:

AYES: Kaiser, Kasik, Riess, Corrigan, DiMaggio, David

NAYS: 0

ABSENT AND NOT VOTING: 0

APPROVED:   
Joseph Mancino, Mayor

ATTEST:   
Donna Lobaito, Village Clerk

PASSED: September 24, 2018

APPROVED: September 24, 2018

PUBLISHED: September 25, 2018



## AGREEMENT TO ENTER INTO CONTRACT

Applicable regulatory guidelines will be practiced. Installation will be according to manufacturer's guidelines. There will be no adjustment of additional services without your prior written consent.

If at any time a substantial change to the scope of work is required, project work will temporarily cease and the client will be immediately contacted. Modifications in scope will be addressed via a change order and must be approved in writing before work commences.

Acceptance of this proposal authorizes FRE to perform the work and be monetarily compensated as per agreed terms between The Village of Hawthorn Woods and Front Range Environmental. Assumes work will be performed in accordance to specifications in the scope of work (SOW) and payable upon completion of SOW. *Terms include Not to Exceed \$19,404.00 (pm)*  
 Net terms 30 days. *As attached.*

### Site Address:

### Village of Hawthorn Woods Representative:

Date 8/31/18

Name (please print) Pamela O. Newton

Signature Pamela O. Newton

Village of Hawthorn Woods  
 2 Lagoon Drive  
 Hawthorn Woods, IL 60047  
[pnewton@vhw.org](mailto:pnewton@vhw.org)  
 847 847-3535

### Front Range Environmental Acceptance:

Date 09/04/2018

Name (please print) William Heffernan

Signature William Heffernan

Front Range Environmental  
 2110 Wright Road  
 McHenry, IL 60050  
[marcyb@frontrangeenvironmental.com](mailto:marcyb@frontrangeenvironmental.com)  
 866 426-0025

**SCOPE OF WORK:**

Area includes 1/3 acre at Brierwoods Preserve using the existing meandering creek as a geographical boundary.

- **HERBICIDE THE AREA:** herbicide application would be by licensed individuals applying Aquaneat, an approved wetland herbicide. This would be a provided by boom wicking application method from an ATV. Two applications would be performed prior to end of September 2018. Targeted species include and not limited to cattail, phragmites, purple loosestrife and reed canary grass.
- **Dead Cattail Removal:** this entails a walk behind brush hog or manual weed wacking with a blade with a blade knocking down the existing bio-mass. This is an alternative conservation method to a controlled burn. Brush hogging/ blade weed wacking helps to break up the bio-mass encouraging faster composting.
- **PLANTING PLUGS;** once the invasive species are eliminated the establishment of native plants will hinder future weed pressure. We recommend a mix of emergent grasses, sedges with some forbs. Success of the young plugs will be the biggest challenge in establishing the quality wetland. Avian and rodents make the survival of the plants very challenging. Providing protection for a large area is very expensive and not reliable. We are currently recommending plantings installed at 1' on center which equals 4840 plants per acre. Installation time April – June 30 2019. Plant recommendation would be provided by FRE and ultimately determined by the village.
- **STEWARDSHIP:** stewardship is defined by measureable results. No minimum or maximum visits are defined instead FRE bases stewardship on results. Our stewardship efforts would be to contain invasive species to a 10% or lower infestation level at the end of each of the 6 stewardship months.

Pay Schedule 2018/2019

Hawthorn Woods Activity	Cost per Acre	One Acre	Frequency	Total Cost
Apply Aquaneat (wicking application) 2018	\$4,000	0.33	2	\$2,640
Brush Hog 2018	\$10,000	0.33	1	\$3,300
Instal! plugs at 1' on center 1597 plants 2019	\$24,000	0.33	1	\$7,920
Stewardship May June July Aug Sept Oct 2019	\$700	0.33	24	\$5,544
			Total	\$19,404

**NOTES:**

- Village of Hawthorn Woods would provide a location for FRE to dump the dead cattails. We will load onto our dump truck and haul to location.
- Goose protection would be by others.
- Includes markers flags identifying the plug location which also has helped to deter grazing by geese and other animals.