



Pizzo & Associates, Ltd.
ECOLOGICAL RESTORATION
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ECOLOGICAL RESTORATION SERVICES

For: Village of Orland Park
Project: Police Headquarters – Native Landscape Enhancements
(Excludes Pond Area)

Tuesday, June 01, 2010

Project Description: We propose to perform enhancements of approximately 1.3 acres of native landscape plantings by controlling invasive species introducing native seed and inoculants and performing comprehensive landscape management in planted prairie areas.

Pizzo & Associates, Ltd. proposes to perform the following tasks using properly trained and supervised personnel:

HERBICIDE & SITE PREPARATION:

Grass specific herbicide will be applied to those areas which may be salvaged, a non-selective glyphosate based herbicide will be applied to areas which will required a complete vegetation removal prior to seeding.

PLANTING:

Native Seed Installation

Install a mix of native grass, sedge and flower seeds with a Truax no till drill and/or broadcasting methods at a rate not less than 30lbs per acre. The species of the plants installed will be developed specifically for this site using historical data and based on current site conditions. A mycorrhizal (fungus) inoculant will be added to the seed in the drill to provide the necessary associations for the new root system of the native plants.

NOTE: A newly seeded area will need to be mowed at 4-8" for 2 seasons to reduce the competition for light and space by weedy plants. If the planted area is not mowed the seeding is destined for failure.

ENHANCEMENT COMPENSATION SUMMARY–Lump Sum: \$7,299.00

TASK	TASK SUBTOTAL
2010 - Herbaceous Clearing/Site Prep	\$ 2,124.00
2010 - Seed Installation	\$ 5,175.00
ENHANCEMENT TOTAL	\$ 7,299.00

STEWARDSHIP:

Because Natural Areas are dynamic systems that constantly change and adapt to current conditions, a flexible stewardship plan must be in place to ensure success. The following tasks should be considered a starting point, on which will be built upon using 22 years of practical experience and knowledge to achieve the desired outcomes.

Areas which have been re-seeded, plants will need to be mowed to a height of 6”-8” throughout the growing season to reduce competition with weed species. Mowing should be conducted for 1 to 2 years and can be done mechanically in most areas.

The restoration areas will be monitored carefully for invasive species. When invasive species are encountered, they will be carefully sprayed with herbicide, cut back, or pulled by hand, to reduce competition for light water and nutrients and prevent them from reproducing and spreading on site.

After the first two years of establishment, a prescribed fire program can begin. Prescribed fire was a frequent part of pre-settlement prairie ecosystems and served to maintain the integrity of the prairie by stimulating plant growth, preventing brush encroachment, and recycling nutrients. In a prairie restoration, fire will perform these ancient functions, as well as manage most invasive species.

I. SERVICES

Pizzo agrees to perform the following services to approximately 1.3 acres of restored natural areas, using properly trained and supervised personnel.

A. The services for the month of **NOVEMBER** through **APRIL** shall be per the following schedule:

1. Implement controlled burn in natural areas, as needed. Pizzo will use fire as a tool to clear debris, recycle nutrients and stimulate native plant and animal species. Our fire crew is comprised of S130/S190 trained crew leaders knowledgeable in the fuel types present. The fire crew will create needed firebreaks and place noticeable signage prior to the burn. Seeds will be harvested prior to the burn to allow for post burn dispersal. The areas to be burned will contain unburned refuge for animal species. Due to the unpredictability of the weather, it may be necessary to postpone the burn to the next burn season. It is possible that local conditions could cause the burn unit to burn poorly when all conditions are within parameters. Pizzo will obtain the necessary permits. The Owner/Agent shall notify neighbors when applicable. ***When conducted, controlled burns will be billed in addition to General Stewardship services at the rate specified below.***
2. Control invasive woody & herbaceous flora through cultural methods, physical removal or the application of appropriate herbicides. The native plants will take advantage of the competitive release created by mowing, the timely application of herbicide or physical removal of the non-native plants.
3. Pizzo will collect the seeds of the native plants to disperse into the open areas during the growing season or after the controlled burn.

B. The services for the months of **MAY** through **OCTOBER** shall be per the following schedule:

1. Control invasive woody & herbaceous flora through cultural methods, physical removal or the application of appropriate herbicides. See paragraph A2.
2. We will collect the seed of the native plants to disperse into the open areas during the growing season or after the controlled burn.
3. Mow all restored areas, if necessary, to control invasive flora and allow light to the ground for new seedlings.
4. Prepare the site for the controlled burn by creating needed fire breaks.

5. Plant supplemental native seed and/or plugs at Pizzo’s discretion to increase native plant competition & biodiversity (this item may be paid for out of the “Labor” and/or “Herbicide” budget lines).

ESTIMATED STEWARDSHIP SCHEDULE*

Month	Visits by Crew	Herbicide	Mow	Collect & Disperse
April	0-1	X		
May	1-2	X	X	X
June	1-2	X	X	X
July	1-2	X	X	
August	1-2	X	X	
September	0-1	X	X	
October	1-2	X	X	X
November	0-1	X		X
December - March	0-1	X		X

*Because natural areas are dynamic systems that constantly change and adapt to current conditions, the stewardship schedule must be flexible as well to allow Pizzo to react to conditions on the ground. This schedule should be considered a guideline and may be varied from to react to current site conditions.

**In newly planted natural areas, the execution of a prescribed fire may not be possible until the second or third growing season.

II. GENERAL INFORMATION

- A. Owner / Agent to provide a “Plat of Survey” for definitive location of project boundaries.
- B. Areas to be managed will be designated as per survey.
- C. Pizzo will provide minimum insurance coverage of \$1,000,000.00 for each of the following: General Liability, Umbrella and Prescription Fire. Please see Certificate of Insurance for details.
- D. Pizzo will keep a log of restoration activities performed during the contract period.
- E. Chemicals used will have the lowest environmental impact for the task at hand. Organic or cultural practices will be used whenever practical.
- F. Debris created during the day’s work shall be placed into burn piles on site to be included in the prescribed burn.
- G. Landscape plantings in proximity of the burn unit(s) can suffer damage and shall not be covered by any warranty or insurance policy. The Owner/Agent/any association member shall hold Pizzo & Associates, Ltd. harmless for damages as a result of the prescribed burn in their natural area(s).
- H. Watering of trees, shrubs and perennials can be done as an additional item and will be performed as an addendum to this agreement at an additional charge.

STEWARDSHIP COMPENSATION SUMMARY

The Owner/Agent will pay Pizzo for the aforementioned services, billed at the following rates:

Labor - Billed \$45.00 per man hour including travel time
General Stewardship - Not to exceed \$4,320.00 in FY 2010

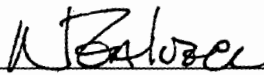
Herbicide -
Applied Herbicide - Not to exceed \$200.00*** in FY 2010

***Herbicide will be billed per gallon applied at market prices. Per gallon herbicide pricing can be supplied upon request.

	LABOR	HERBICIDE	PRESCRIBED FIRE	TOTAL
2010	\$ 4,320.00	\$ 200.00	\$ -	\$ 4,520.00
EXPECTED TOTAL OF STEWARDSHIP COSTS				\$ 4,520.00

CEPTANCE – I/We represent and warrant that I/we have authority to enter into this Contract. We accept the terms and conditions for native landscape enhancements and stewardship and further accept the PIZZO & ASSOCIATES, LTD. STANDARD CONDITIONS, attached and hereby made part of this contract. We do hereby authorize Pizzo & Associates, Ltd. as stated.

Authorized Representative / Date
Age of Orland Park

 05/27/2010
Pizzo & Associates, Ltd. / Date

Please sign and return one copy of the proposal with your deposit to our office. Fax signatures shall be deemed binding; they must be signed in counterparts so long as all parties to the agreement have signed a copy of the agreement.

Acting on behalf of the Owner:

Printed Name: _____
Title: _____

Contacting Information:

Name: _____
Company Name: _____
Street Address 1: _____
Street Address 2: _____
City, State, & Zip Code: _____
Main Phone: _____
Mobile Phone: _____
Fax: _____
Email: _____

Additional Notes: _____

The terms of this proposal are valid for thirty (30) days from the date of this proposal.