

**VILLAGE OF DOWNERS GROVE**  
**Report for the Village Council Meeting**  
**4/21/2020**

<b>SUBJECT:</b>	<b>SUBMITTED BY:</b>
Native Landscape and Natural Areas Maintenance and Monitoring Services for 2020	Andy Sikich Director of Public Works

**SYNOPSIS**

A resolution has been prepared to authorize a contract extension for Native Landscaping and Natural Areas Maintenance and Monitoring with Hampton, Lenzini and Renwick, Inc. (HLR), of Elgin, Illinois in an amount of \$46,722, which includes a 20% contingency.

**STRATEGIC PLAN ALIGNMENT**

The goals for 2019-2021 include *Top Quality Infrastructure*.

**FISCAL IMPACT**

The adopted FY20 budget includes \$50,000 in the Stormwater Fund for maintenance of Village-owned naturalized areas.

**RECOMMENDATION**

Approval on the April 21, 2020 consent agenda.

**BACKGROUND**

The Village owns and manages an increasing number of properties with a naturalized landscape. These landscapes have many environmental benefits, including improved water and air quality, increased habitat and biodiversity, and reduced pesticide and herbicide use. The scope of work includes the development of a long-term plan for all natural areas within the Village to help prioritize needs and funding to best manage the community's native sites in the future. In addition, the consultant will continue to provide maintenance services for identified naturalized areas including: the 2nd and Cumnor stormwater facility, Village-owned parcels at Grand Avenue, Hill Street, and 55th Street, 3944 Sterling, Fire Station #3 bioswale, Grove Street rain gardens, Valley View, and the Forest Avenue rain gardens. HLR's team has worked on many of these sites since 2014 and understands the needs for each site. The work will include a high frequency of inspections, preventing invasive species from getting established, and a high level of awareness and professionalism onsite.

**ATTACHMENTS**

Resolution  
Contract Extension  
Contractor Evaluation

**RESOLUTION NO. \_\_\_\_****A RESOLUTION AUTHORIZING EXECUTION OF AN EXTENSION TO THE AGREEMENT  
BETWEEN THE VILLAGE OF DOWNERS GROVE AND  
HAMPTON, LENZINI AND RENWICK, INC.**

BE IT RESOLVED by the Village Council of the Village of Downers Grove, DuPage County, Illinois, as follows:

1. That the form and substance of an Extension (the "Agreement"), between the Village of Downers Grove ("Village") and Hampton, Lenzini and Renwick, Inc. ("HLR"), to provide native landscaping and natural areas maintenance services, as set forth in the form of the Agreement submitted to this meeting with the recommendation of the Village Manager, is hereby approved.

2. That the Village Manager and Village Clerk are hereby respectively authorized and directed for and on behalf of the Village to execute, attest, seal and deliver the Agreement, substantially in the form approved in the foregoing paragraph of this Resolution, together with such changes as the Manager shall deem necessary.

3. That the proper officials, agents and employees of the Village are hereby authorized and directed to take such further action as they may deem necessary or appropriate to perform all obligations and commitments of the Village in accordance with the provisions of the Agreement.

4. That all resolutions or parts of resolutions in conflict with the provisions of this Resolution are hereby repealed.

5. That this Resolution shall be in full force and effect from and after its passage as provided by law.

\_\_\_\_\_  
Mayor

Passed:

Attest: \_\_\_\_\_

Village Clerk

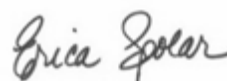
**EXTENSION TO THE AGREEMENT  
BETWEEN THE VILLAGE OF DOWNERS GROVE AND  
HAMPTON, LENZINI AND RENWICK, INC.**

The Village of Downers Grove, Illinois and Hampton, Lenzini and Renwick, Inc. ("HLR") entered into an Agreement ("Agreement") to provide native landscaping and natural areas maintenance services on or about May 15, 2019. Pursuant to the terms stated therein, the parties desire to extend that Agreement under the following terms:

1. The Agreement shall be extended for a one-year period through December 31, 2020.
2. The scope of work to be completed is set forth on the proposal attached hereto as Exhibit A.
3. The fees for services are \$38,935.00, plus a 20% contingency, for a total not-to-exceed contract amount of \$46,722.00 as set forth in Exhibit A.
4. All other terms from the May 15, 2019 Agreement shall remain in full force and effect.

**VILLAGE OF DOWNERS GROVE**

**HAMPTON, LENZINI AND  
RENWICK, INC.**



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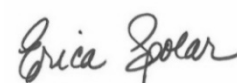
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\_\_\_\_\_  
Title

Erica Spolar, Executive Vice President  
\_\_\_\_\_  
Title

Date: \_\_\_\_\_

Date: March 23, 2020



## EXHIBIT A

**Hampton, Lenzini and Renwick, Inc.**

Civil Engineers • Structural Engineers • Land Surveyors • Environmental Specialists  
www.hltreengineering.com

March 23, 2020

Mr. John Welch  
Assistant Director of Public Works - Engineering  
Public Works Department  
5101 Walnut Avenue  
Downers Grove, IL 60515

Re: Native Vegetation Management 2020  
Environmental Agreement

Dear Mr. Welch:

We have prepared this letter to serve as the agreement between the Village of Downers Grove and Hampton, Lenzini and Renwick, Inc. for environmental services to provide natural area management for several native areas in Downers Grove. Our environmental team has visited the sites and evaluated our approach based on the maintenance requirements of each one. In the following pages, we have outlined the current conditions, maintenance strategies, equipment to be used, estimated work hours, and overall not-to-exceed costs. The goal will be to preserve the floristic quality and diversity in order to add value to these fragile areas, with the hope of creating an environmentally sound and aesthetically appealing setting for those visiting and living within Downers Grove.

**Mechanical Invasive Control**

Mechanical control includes cutting, mowing and/or the digging up of individual plants by hand, with the intention of removing a plant or impeding it from reproducing. Cutting or mowing close to the ground (weed-eater or hand-scythe) is effective means of control for annual species, and may be implemented in select areas of the site. Prairie mowing will only be conducted if it is necessary for invasive species control. The mowers will be set to a height of 8 to 12 inches above the ground surface which allows annual invasive seed heads to be cut off and does not damage native plants.

It is our intention to use a mix of brush-cutting and hand pulling to selectively remove undesirable species from the naturalized basins.

**Chemical Invasive Control**

Herbicide can be a very effective means of controlling invasive species. The plant communities will be monitored for invasive species including, but not limited to cattails, thistles, evening primrose and teasel. If populations of these species appear or begin to increase, they will be controlled by "wick" or directed (shielded spray) application of an approved systemic herbicide when the plants reach leaf/flowering stage, but preferably prior to seed head formation, in early summer. Inspections for invasive species will be conducted early in the growing season (between May 1st and June 1st). Cattail removal within the bottom of the basin will continue to be a priority. In the upcoming seasons, as native species move in, hand wicking will be the main technique used to limit their spread. The north and west sides of the buffer need the most attention. Evening primrose, sweet clover and thistles are dense in these locations and will need consistent management for control and eventual elimination.

All herbicide applications will be conducted under the supervision of a wetland specialist. A water safe, systemic herbicide will be utilized for this site. The application of herbicides will be performed only by persons licensed or certified in the State of Illinois for pesticide/herbicide application. Herbicide use will be in strict compliance with all application rates, procedures, warning labels and applicable codes, standards and best management practices.

380 Shepard Drive  
Elgin, Illinois 60123-7010  
Tel. 847.697.6700  
Fax 847.697.6753

6825 Hobson Valley Drive, Suite 302  
Woodridge, Illinois 60517  
Tel. 847.697.6700  
Fax 847.697.6753

3085 Stevenson Drive, Suite 201  
Springfield, Illinois 62703  
Tel. 217.546.3400  
Fax 217.546.8116

323 W. Third Street, P.O. Box 160  
Mt. Carmel, Illinois 62863  
Tel. 618.262.8651  
Fax 618.263.3327

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The Illinois EPA requires a permit for the application of pesticides on or near water bodies, this is required for algae control sites, as well as the natural area sites. HLR will apply for the required pesticide National Pollutant Discharge Elimination System (NPDES) permit. The cost for the permit application is included in the herbicide cost.

### Enhancement

Seeding areas after a prescribed burn is a very effective way of introducing new species. This will be especially important for Holmes, since we are not sure of its long term impact of the oil spill on May, 30, 2018. The areas where invasive species are eliminated will be seeded with a customized wetland or prairie seed mix, as necessary. Introducing additional native species will limit habitat for invasive species and prevent future issues. After the burn, buffers will be overseeded with an aggressive custom seed mix to combat invasive species, enhance the aesthetics of the site, and promote diversity of the ecosystem. In addition to native grasses, aggressive flowering natives that have very long blooming periods will be added, providing an attractive and constructive addition to the ecosystem.

### 2<sup>nd</sup> and Cumnor Storm Water Facility (#2)

This 1.5 acre Stormwater Facility is located around multiple residences and adjacent to a community playground. It is densely vegetated with native prairie species along all slopes.

2<sup>nd</sup> and Cumnor is located along 2<sup>nd</sup> Street, adjacent to 2<sup>nd</sup> and Cumnor Park. This area consists of an open water wetland with a wide prairie buffer. A walking trail is located on the south and east portions of the site. In the northwest corner, a small landscaped area is managed beneath a redbud tree (*Cercis canadensis*). The wetland ecosystem is dominated by pickerelweed, American white water-lily, blueflag iris, blue vervain (*Verbena hastata*), and swamp rose mallow (*Hibiscus palustris*). The upland ecosystem is dominated by stiff goldenrod (*Solidago ptarmicoides*), big bluestem, pale coneflower, yellow coneflower (*Ratibida pinnata*), purple coneflower, sweet coneflower, wild bergamot (*Monarda fistulosa*), and black-eyed Susan (*Rudbeckia hirta*). Woody resprouts are treated each year but will require continuous management.

### Management History and Recommendations

We performed herbicide treatments throughout the growing season to target various invasive species. These focused on biennials, such as purple loosestrife, thistle, and garlic mustard, which were present throughout the growing season. Various saplings, including Siberian Elm (*Ulmus pumila*), box elder (*Acer negundo*), and common buckthorn (*Rhamnus cathartica*), were also treated. In more established areas, hand weeding of invasive species such as garlic mustard (*Alliaria petiolata*) and crown vetch (*Securigera varia*) was used to minimize disturbance of native species. Future herbicide treatments will be necessary to continue managing problematic species. Certain areas of the path that became overgrown were trimmed back this year and will likely need to be cleared or pushed back to keep encroachment on the walking path to a minimum.

Overall, the site shows strong and diverse native character with many high quality species in both wetlands and prairies. With continued efforts to manage and suppress invasive species, these will continue to become less prominent. HLR recommends removal of woody saplings to prevent shade-out of herbaceous prairie plants. The saplings should be treated with herbicide and then cut. Bare areas where large patches of crown vetch (*Securigera varia*) were treated should be overseeded with a mesic to dry seed mix. General management of herbaceous non-natives should continue via herbicide application. Hand pulling of non-plugged species in the landscaped area should continue to ensure that little bluestem (*Schizachyrium scoparium*) is the only plant that populates the space. Native plants should be installed to increase coverage and choke out weeds in this area.

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#### Fee Schedule

2nd and Cumnor Storm Water Facility	
Task	Fee
Spot Seeding	\$560.00
Site Management	\$4,200.00
<b>2nd and Cumnor Stormwater Facility</b>	<b>\$4,760.00</b>

#### Grand and Hill

Grand and Hill is located at the southeast corner of Grand Avenue and Hill Street. It consists of a small prairie/woodland area with a creek channel extending along the east side of the site. This natural area was cleared of invasive tree species (i.e. buckthorn) in February 2016 and is now dominated by stands of medium-sized trees that allow more sunlight in the understory. The site is dominated by native rye grasses and Virginia creeper, with some showy woodland species including King Solomon's seal (*Polygonatum canaliculatum*). Woody saplings along with pokeweed, giant ragweed, and wild lettuce are the most common undesirables.

Grand and Hill is similar to Grand and 55<sup>th</sup> in composition, vegetative communities, and riparian channel. However, the area is rated high for community value due to its highly visible location.

HLR recommends that the woody saplings be herbicided and cut and for the herbaceous non-natives to receive herbicide treatments. Overseeding with a shade-tolerant prairie/woodland mix could help minimize bare spots, increase diversity, and enhance aesthetic appeal.

#### Fee Schedule

Village Owned Parcels at Grand and Hill	
Task	Fee
Site Management	\$775.00
Seed	\$775.00
<b>Grand and Hill Total</b>	<b>\$1,550.00</b>

#### Grand and 55<sup>th</sup>

Grand and 55<sup>th</sup> is located on the northeast corner of Grand Avenue and 55<sup>th</sup> Street. It consists of a depressional woodland with a creek channel extending diagonally through the site. This natural area was cleared of invasive tree species (i.e. buckthorn) in February 2016 and is now dominated by stands of medium-sized trees with lower shade potential. The majority of the site is composed of sparse herbaceous cover and a fair amount of buckthorn saplings. Virginia creeper (*Parthenocissus quinquefolia*), wild ginger (*Asarum canadense*), orange jewelweed (*Impatiens capensis*), and common blue violet (*Viola sororia*) are among the most common species present. Giant ragweed (*Ambrosia trifida*), great burdock (*Arctium lappa*), American pokeweed (*Phytolacca americana*), and wild lettuce (*Lactuca canadensis*) are among the most common weeds and non-native species found on site. The west side of the site is comprised of a tall prairie grass buffer.

#### Management History and Recommendations

We performed significant woody removal in December 2015 and February 2016. Invasive buckthorn and honeysuckle (*Lonicera spp.*) were targeted, along with box elder, maple (*Acer spp.*) and mulberry (*Morus alba*). Stumps were treated to prevent re-sprouting. The site was also treated with herbicide this season. Continued maintenance of re-

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sprouts will need to be conducted until native understory plants can establish.

HLR recommends continued general maintenance of invasive herbaceous species and woody saplings. A woodland seed mix could be installed to increase vegetative cover and compete with noxious weeds and non-natives that can take advantage of the exposed forest floor. To improve aesthetics, the upland buffer along the west side could be seeded with a diverse, shade-tolerant, prairie seed mix.

Fee Schedule

Village Owned Parcels at Grand and 55 <sup>th</sup>	
Task	Fee
Site Management	\$775.00
Seed	\$775.00
Grand and 55 <sup>th</sup> Total	\$1,550.00

Sterling Road North of 40<sup>th</sup> Street

Sterling is located at 3944 Sterling Avenue as a vacant lot. This area consists of a mixed woodland-prairie ecosystem and includes a diverse vegetative community. The southern boundary consists of a thick, shady tree line. The northern boundary is more typical of an open prairie and is adjacent to a residence. The east side of the area is also shaded and consists of common buckthorn (*Rhamnus cathartica*) and amur honeysuckle (*Lonicera maackii*) saplings. A plethora of high quality species can be found at Sterling, including side-oats grama (*Bouteloua curtipendula*), pale coneflower, sweet coneflower (*Rudbeckia subtomentosa*), and golden Alexander (*Zizia aurea*). Common non-native and undesirable species also exist here, including garlic mustard (*Alliaria petiolata*) and Canada thistle.

Management History and Recommendations

This site is a turf grass conversion area completed by HLR. In summer 2015, it received herbicide treatments to eradicate broadleaf woody species and turf grass. A custom seed mix was installed in late fall. Native management of the site began in 2016. The site received two herbicide treatments during the summer targeting weedy invasive species such as thistle and garlic mustard. In the fall, two visits were devoted to buckthorn removal and stump treatments. Continued removal efforts and management of these invasive species will be necessary to complete the conversion to a naturalized area. Additional removal of woody species will allow more woodland natives to establish along the south and west sides of the property. HLR recommends routine herbicide application to weedy and invasive species, including both herbaceous plants and woody saplings. The shaded areas that have lower herbaceous cover (south and east boundaries) should be overseeded with a shade-tolerant mix.

Fee Schedule:

Sterling Road North of 40 <sup>th</sup> Street	
Task	Fee
Woody cutting	\$560.00
Site Management	\$2,200.00
Spot seeding	\$775.00
3944 Sterling Total	\$3,535.00

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### Fire Station Bioswale

Fire Station is located along the west side of the Downers Grove Fire Station #3 parking lot, at the intersection of Main Street and 39<sup>th</sup> Street. The site consists of a rain garden style strip that is composed of species ranging in wetland indicator statuses. Purple coneflower (*Echinacea purpurea*) and pale coneflower (*Echinacea pallida*) can be seen in the upland areas while blueflag iris (*Iris virginica shrevei*) can be found in the north lower elevation corner where a drainage way exists. In mid-September, New England aster (*Aster novae-angliae*) and prairie cord grass (*Spartina pectinata*) plugs were installed to enhance bare areas. Regrowth of woody saplings including green ash (*Fraxinus pennsylvanica*), white mulberry (*Morus alba*), and box elder (*Acer negundo*) have been treated but will require continuous management.

### Management History and Recommendations

Following the construction and previous management of the bioswale by others, we assumed management in 2016. The site was managed with three herbicide treatments and one hand weeding. Many of the native species are forming thick stands which will suppress invasive growth. Continued management of weedy species, particularly reed canary grass (*Phalaris arundinacea*) and thistle, will be necessary to ensure successful establishment of the naturalized bioswale. Some of the more aggressive native species may need to be managed to maintain diversity. HLR recommends woody sapling removal and continued herbicide treatment of herbaceous invasives. Low coverage areas should be over seeded with custom native seed mixes for the upland and wetland areas as needed.

#### Fee Schedule:

Fire Station Bioswale	
Task	Fee
Spot Seeding	\$420.00
Live Plant Install	\$980.00
Site Management	\$960.00
<b>Fire Station Bioswale Total</b>	<b>\$2,360.00</b>

### 59<sup>th</sup> and Washington Street Bio-Retention Facility

This site is an under-drained bio-retention facility, currently dominated by native forbs and grasses, located between two residential lots.

While the need to maintain the site's functionality is high priority because of its location, it is important that the aesthetic appeal is maintained throughout the seasons to provide value to the neighborhood, especially adjacent homes. Showy forbs and grasses are encouraged to provide color and texture variety.

Several quality species are present, including iris, wild bergamot and goldenrod; however, vegetation is still fairly sparse in some locations. An over-seed mix will be formulated to encourage more diverse growth while filling in these sparse areas. Cutting back dead vegetation during the off season will allow additional sunlight to reach the soil surface, giving new seed a chance at establishment. Though the apparent count was already low, the treatment and removal of weedy invasive species such as foxtail (*Bromus madritensis*), wild carrot (*Daucus carota*), and penny cress (*Thlaspi arvense*) will provide additional support for this system.

This area is subject to accumulate an abundance of leaf litter and debris from neighboring lots. The collection of debris will require monitoring and frequent clearing to maintain aesthetics while keeping unnecessary elements out of water flowing out of the system during heavy rain events.



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### Management History and Recommendations

Minimal treatment was necessary at this site. A mix of quality natives are established, including ironweed (*Vernonia fasciculata*), Ohio spiderwort (*Tradescantia ohioensis*), common boneset (*Eupatorium perfoliatum*), and switchgrass (*Panicum virgatum*). Hand pulling invasive species such as garlic mustard, thistle (*Cirsium spp.*), wild carrot (*Daucus carota*), and ragweed (*Ambrosia artemisiifolia*) over the growing season minimized the potential for these species to set seed and proliferate. Small woody saplings were also removed. Continued efforts at hand removal will limit their appearance in the basin.

The previous year's vegetative litter was cut and removed to present a neater appearance. Following this, the site was hand weeded three times, including all invasive species and cultivars. The site has maintained high levels of species quality and diversity through the season. Invasive species were minimal and easily managed. The basin may require seasonal clearing as necessary to maintain aesthetics. We also installed mulch around the rain garden to provide a visual border.

### Fee Schedule:

<b>59<sup>th</sup> Street Bio-Retention Facility</b>	
<b>Task</b>	<b>Recommended</b>
Site Management	\$1,680.00
Mulch	\$320.00
<b>59<sup>th</sup> Street Bio-Retention Facility</b>	<b>\$2,000.00</b>

### Grove Street Rain Gardens

This site consists of two planted and mulched rain gardens on the north side of Grove Street. They are located directly adjacent to the egress drive of the neighboring parking lot.

These areas are subject to extensive debris collection from the surrounding streets and sidewalks and show signs of heavy disturbance from car and foot traffic exiting the lot. This poses multiple obstacles in the successful establishment of a healthy community in such a small area. Despite this, a variety of healthy natives appear present onsite, still requiring a little help through additional plantings, weeding, and debris pickup. Our team would like to use the Village's mulch stockpile for this site. Mulch will be picked up and spread by HLR.

Within the central portions of these two planted areas lies the greatest concentration of healthy natives, fulfilling their role as a stabilizing filtration mechanism within the rain garden. However, the perimeter of these rain gardens are primarily old mulch with little to no present vegetation, with the exception of the eastern most edge of the eastern rain garden. Increasing the presence of planting material strengthens the effect of these designated areas, utilizing the entire section to collect and filter rain water while providing as much aesthetic appeal as possible.

Damage by vehicle traffic was evident during our site inspection. The edges of these gardens, directly butting up against the drive, would benefit from the planting of short native grasses, such as Little Bluestem, complimentary to those already in place, to sway traffic away from the planted area. During the winter season when snowfall is abundant, fiberglass reflector rods may be necessary to direct traffic away from the otherwise hidden rain gardens.

Using these methods along with additional mulching and hand removal of weeds and debris, the rain garden set up within this downtown district will continue to prosper and provide an attractive example for future rain garden projects within the Village.

### Management History and Recommendations

HLR has managed the Grove Street Rain Gardens since 2014. Hand-weeding has been a successful management tool and was completed six times throughout the season. The planted areas exhibit significant native character. Early

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in the season, the dead vegetation was cut, raked, and taken off-site to maintain aesthetics. This will be necessary in the future to maintain a neat appearance for the naturalized area. Several of the taller species, such as wild golden glow (*Rudbeckia lacinata*), were removed to improve vision lines for parking lot and street traffic. Installation of a split rail fence would prevent snow plow damage and may provide a more organized appearance to community stakeholders. Per the RFP, we will remove plants greater than 30" in height and replace them with shorter plants to be approved by the Village prior to installation.

#### Fee Schedule:

Grove Street Rain Garden	
Task	Fee
Site Management	\$1,560.00
Mulch	\$520.00
<b>Grove Street Rain Garden Total</b>	<b>\$2,080.00</b>

#### Valley View Pond

Valley View Pond is located behind Valley View Drive, from Foster Place to Waterfall Place. This area consists of a large open water pond with a gradual shoreline and wide prairie buffer. Plant communities include emergent, shoreline, wet mesic prairie, and mesic prairie. A drainage channel extends along the north section of the site. A berm is located between the channel and the pond. Emergent vegetation, including blueflag iris, common arrowhead (*Sagittaria latifolia*), and broad-fruit bur-reed (*Sparganium eurycarpum*), can be found in both the channel and the pond. A small group of yellow pond-lily (*Nuphar advena*) and American white water-lily (*Nymphaea odorata*) can be found at the west side of the pond. Vegetation within the shoreline zone includes dark green bulrush (*Scirpus atrovirens*), river bulrush (*Schoenoplectus fluviatilis*), and prairie cordgrass. The prairie buffer and berm support a diverse group of native species, including big bluestem (*Andropogon gerardii*), red columbine (*Aquilegia canadensis*), tall boneset (*Eupatorium altissimum*), saw-tooth sunflower (*Helianthus grosseserratus*), and foxglove beardtongue (*Penstemon digitalis*). A turf grass path was seeded along the southern site boundary and was poorly established. It is especially susceptible to common weedy species such as Canada thistle. Purple loosestrife (*Lythrum salicaria*), a particularly aggressive wetland invasive species, can be found throughout the site.

#### Management History and Recommendations

Since 2014, HLR has monitored this area. Native plant communities around the pond are well established, but will require routine maintenance to prevent encroachment of invasive and woody species and maintain existing floristic diversity. The narrow bentgrass transition zone around the native plantings will also need routine management to maintain vegetation at the desired height and to prevent establishment of undesired species. We offer the following recommendations for long-term maintenance activities. Site conditions will dictate frequency and intensity.

- Continue periodic herbicide treatments targeting non-native and invasive species including cattail (*Typha* spp.), purple loosestrife (*Lythrum salicaria*), sandbar willow (*Salix interior*), thistle (*Cirsium* spp.), teasel (*Dipsacus* spp.), common reed (*Phragmites australis*), curly dock (*Rumex crispus*), tall boneset (*Eupatorium altissimum*) and woody species.
- Perform a winter mowing to promote native species and hinder non-native species, as needed.

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#### Fee Schedule:

Valley View	
Task	Recommended
Spot Seed	\$560.00
Winter Mow	\$2,600.00
Site Management	\$6,400.00
<b>Valley View Total</b>	<b>\$9,560.00</b>

#### Forest Avenue Rain Gardens

Forest Avenue Rain Gardens are located along Forest Avenue between Herbert Street and 41<sup>st</sup> Street. The site consists of three small rain gardens, two on the west side of the street and one on the east side. All three have similar vegetative composition; obedient plant (*Physostegia virginiana*) appears to be the most dominant followed by eastern woodland sedge (*Carex blanda*) and common fox sedge (*Carex stipata*). Field sow thistle (*Sonchus arvensis*) and Canada thistle (*Cirsium arvense*) have been removed from the sites. However, it appears the soil has invasive seeds in the seed bank and will require continual management.

#### Management History and Recommendations

The site was managed in 2016 with two hand weeding treatments and one herbicide application. Minimal invasive species are present within the site. Continued management of prevalent weedy species will be necessary to maintain the existing species quality and diversity which are present. The site may benefit from seasonal clearing to present a neat appearance. Resident mowing has been an issue for two of the rain gardens. Per the RFP, the scope will include coordination with the existing homeowners in conjunction with Village staff to re-establish the two southern locations. HLR recommends continued hand-pulling of invasive and weedy species. Native plugs with showy and deep-rooted species would enhance aesthetics and improve rainwater infiltration. Signage is recommended to educate residents about the flood reduction feature of the rain gardens.

#### Fee Schedule:

Forest Rain Gardens	
Task	Recommended
Live Plant Install	\$940.00
Site Management	\$1,680.00
Mulch	\$520.00
<b>Forest Rain Gardens Total</b>	<b>\$3,140.00</b>

#### Deer Creek

Deer Creek is located on the north slope of Saint Joseph Creek between Fairview Avenue and Deerpath Lane, to the roadside of 56<sup>th</sup> Street. The dominant herbaceous species along the slope include common ragweed (*Ambrosia artemisiifolia*), reed canary grass, and pokeweed. Large amounts of buckthorn, white mulberry, box elder, and honeysuckle were present along the slope but cut and removed fall/winter of 2019. The creek corridor in the boulevard area was cleared of woody species and overseeded with native seed in 2019.

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### Management Recommendations

1. Continued removal of woody species including mulberry, box elder, honeysuckle, and buckthorn. Removal of these invasive species will allow more light to penetrate to the slope, allowing herbaceous species to stabilize the slope.
2. Continued maintenance of the area would consist of herbicide treatments for any woody regrowth and herbicide and mechanical removal of invasive species within the prairie.
3. We recommend installing shrubs within the slope, such as common buttonbush (*Cephalanthus occidentalis*) or elderberry (*Sambucus canadensis*).

### Fee Schedule:

Deer Creek	
Task	Recommended
General Maintenance	\$6,400.00
Seeding	\$2,000.00
<b>Deer Creek Total</b>	<b>\$8,400.00</b>

### Scope and Fee

The following is a summary of work recommended to be completed in 2020, which is based on site conditions in 2019. Individual tasks within sites may be modified based on future site needs, or on requests by the Village of Downers Grove.

2 <sup>nd</sup> and Cumnor Storm Water Facility	
Task	Fee
Spot Seeding	\$560.00
Site Management	\$4,200.00
<b>2<sup>nd</sup> and Cumnor Stormwater Facility</b>	<b>\$4,760.00</b>

Village Owned Parcels at Grand and Hill	
Task	Fee
Site Management	\$775.00
Seed	\$775.00
<b>Grand and Hill Total</b>	<b>\$1,550.00</b>

Village Owned Parcels at Grand and 55 <sup>th</sup>	
Task	Fee
Site Management	\$775.00
Seed	\$775.00
<b>Grand and 55<sup>th</sup> Total</b>	<b>\$1,550.00</b>

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Sterling Road North of 40 <sup>th</sup> Street	
Task	Fee
Woody cutting	\$560.00
Site Management	\$2,200.00
Spot seeding	\$775.00
<b>3944 Sterling Total</b>	<b>\$3,535.00</b>

Fire Station Bioswale	
Task	Fee
Spot Seeding	\$420.00
Live Plant Install	\$980.00
Site Management	\$960.00
<b>Fire Station Bioswale Total</b>	<b>\$2,360.00</b>

59 <sup>th</sup> Street Bio-Retention Facility	
Task	Fee
Site Management	\$1,680.00
Mulch	\$320.00
<b>59<sup>th</sup> Street Bio-Retention Facility</b>	<b>\$2,000.00</b>

Grove Street Rain Garden	
Task	Fee
Site Management	\$1,560.00
Mulch	\$520.00
<b>Grove Street Rain Garden Total</b>	<b>\$2,080.00</b>

Valley View	
Task	Fee
Spot Seed	\$560.00
Winter Mow	\$2,600.00
Site Management	\$6,400.00
<b>Valley View Total</b>	<b>\$9,560.00</b>

Forest Rain Gardens	
Task	Fee
Live Plant Install	\$940.00
Site Management	\$1,680.00
Mulch	\$520.00
<b>Forest Rain Gardens Total</b>	<b>\$3,140.00</b>

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Deer Creek	
Task	Fee
General Maintenance	\$6,400.00
Seeding	\$2,000.00
<b>Deer Creek Total</b>	<b>\$8,400.00</b>

<b>2020 Sites Total</b>	<b>\$38,935.00</b>
2020 Contingency 20%	\$7,787.00
<b>Total Contract Price</b>	<b>\$46,722.00</b>

Please contact us with any questions or comments on this document.

Yours truly,  
**HAMPTON, LENZINI AND RENWICK, INC.**



By:  
Erica Spolar  
Executive Vice President



# Village of Downers Grove

## Consultant Evaluation

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Contractor: Hampton, Lenzini & Renwick, Inc.

Project: Monitoring and Maintenance of Native Planting Areas

Primary Contact: Erica Spolar Phone: 847-697-6700

Time Period: June 2019 thru December 2019

On Schedule (allowing for uncontrollable circumstances) ☒ Yes ☐ No

Provide details if early or late completion:

Change Orders (attach information if needed): None

Difficulties / Positives: Very responsive

Interaction with public:

☒ Excellent ☐ Good ☐ Average ☐ Poor

(Attach information on any complaints or compliments)

General Level of Satisfaction with work:

☒ Well Satisfied ☐ Satisfied ☐ Not Satisfied

Reviewers: John Welch, P.E., CFM

Date: 03/06/20