

Experience:

At Ecogardens, we're passionate about creating urban spaces in step with nature. Our life's work is based on a dual responsibility to the earth and our clients, and trust that we will deliver the best possible solution with the least possible environmental burden.

Sustainability begins when you choose from among our diverse services to satisfy your unique aesthetic and practical needs. We research, innovate, and utilize the latest industry technologies to bring you the perfect blend of form and function, environment and enjoyment.

We have years of experience beginning with lakeshore management, progressing through urban landscaping and green roofing, and emerging into full-fledged ecological design.

We are proud to adhere to the highest values in every project, every design, and every interaction. Our mission encompasses respect to people, plants, animals and even the urban infrastructure to which our civilization owes so much. With every design, ribbon cutting and ongoing relationship, we strive to stay true to our moral and ethical principles.

Similar Projects:

- 1) Commercial: Ecogardens designed, installed, and maintains a similar (although larger) project on the terrace of the retailer, Suitsupply, located in the Gold Coast of Chicago. Similarities include the soil profile/depth, combination of decking and greenspace, and overall plant palate. Suitsupply encourages and welcomes guests to interact with the green roof as also intended by the Village of Orland Park. The project is located at 945 N. Rush St. and photos can be found at <https://ecogardens.com/suitsupply-gold-coast>.
- 2) Commercial: Although 4x the size of the Village of Orland Park project, the green roof located on the Federal Government building at 10 W. Jackson was designed with the intent to allow the building's tenants to interact with nature as well as serve a green roof demonstration project. It incorporates hardscaping as well as a similar green roof profile/depth to the Village of Orland Park project. Plant selection was driven by a desire to attract pollinators, bird species, and other insect life. Photos can be found at <https://ecogardens.com/chicago-federal-building>
- 3) Residential: Ecogardens designed, installed, and maintains a single family residential project in Lincoln Park, Chicago. Although residential, this project included similar features and logistical challenges as the Village of Orland Park's project. Notable features include multiple levels of green roofs, a roof top vegetable garden, locally sourced limestone pavers on pedestals, low-volume drip irrigation (zerigation), and several large Ipe decking surfaces. Like the Village of Orland Park, the project includes the combination of garden and amenity space as well as similar profile/depth green roofs. Photos can be found at <https://ecogardens.com/lincoln-park-contemporary>.

References: See attached for full reference sheet.

Operating History:

Since 2006, Ecogardens has helped customers leave their legacies by devising low-impact, sustainable green roofs, stormwater, and landscaping solutions. Historically, sales have ranged from 500k-1.2M. As a Subject Matter Expert (SME), owner/operator



Greg Raymond has managed or installed over 2M square feet of green roof/roof garden space. Many of these projects included hard scaping such as pavers on pedestals, decking, etc.

Qualifications:

Owner/Operator Greg Raymond went to Michigan State University for horticulture and landscape architecture and is an accredited GRP (Green Roof Professional – a member of the inaugural class, as it happens). He is also a Certified Natural Shoreline Professional. Over the years, and through a variety of different ecologically oriented jobs, Greg developed his passion for melding the hard bones of urban infrastructure with the organic texture of native plants and animals, rich soils, and clean water. In addition to managing Ecogardens own installation projects, Greg also serves as the SME for the green roof division of Soprema Inc., a leading international roofing manufacturer.

Greg also teaches certification classes for Green Roofs for Healthy Cities, as well as previously taught the Introduction to Green Roofs class for the College of DuPage (2012-2014).

For additional information, please visit our website at: <https://ecogardens.com/>.



August 24, 2018

Village of Orland Park
14700 Ravinia Avenue
Orland Park, IL 60462

PROPOSAL

Ecogardens, LLC hereby proposes to furnish all materials (**excluding tools and equipment**), as well as a Subject Matter Expert (SME), for the proposed Village Hall Green Roof Project per RFP # 18-038, and according to the following terms and conditions:

GREEN ROOF

The proposed green roof areas are approximately 1,600 square feet in total. The proposed observation deck areas are approximately 300 square feet. The existing roof membrane is a Firestone single-ply TPO membrane and is new within the last 24 months. Prior to the installation of the green roof and observation deck areas, a 72-hour flood test will be performed by the Village of Orland Park.

Ecogardens proposes 2 + 2, 2 + 4 and 2 + 6 Systems to include:

1. 30 mil LLDPE Root Barrier – all seams overlapped by 2' and taped with root barrier seam tape.
2. Entanglement Net Drainage Mat
3. (2) Optigreen high impact plastic Drainage Access Boxes
4. 2" thick Horticultural Grade Structural Mineral Wool Water Retention Layer (**Maximum Water Retention 94 % of volume**). i.e. **1.5 gallons/sf water holding capacity for the 2+2 system. NOTE: The Mineral Wool layer replaces 2" of media, holding more water than tradition green roof media at a much lighter weight.**
5. 2" – 6" of FLL compliant extensive green roof media. (up to 25 CY in 1.5cf or 2cf bags)
6. Up to 300 LF of Aluminum Edge Restraint (4.5" x 4.4" x 8') as needed.
7. 1"-1.5" Ballast River Stone along the vegetation free zones.
8. 4,400 Sedum plugs. Varieties to be provided by Ecogardens and approved by the Village of Orland Park.
9. 250 Perennials (quart size). Varieties to be provided by Ecogardens and approved by the Village of Orland Park. Due to the variation of container sizes, as well as availability of plants, Ecogardens reserves the right to provide similar packaging and sizes with approval of the Village of Orland Park.
10. The above materials will be furnished and delivered to the site by Ecogardens.
11. Ecogardens SME will work with the Village of Orland Park staff to finalize the design and scope of the



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green roof.

12. Ecogardens SME will provide on-site and as needed phone/email (virtual) support throughout the installation of the green roof.
13. All materials will be provided in full case/package/pallet quantities as deemed by the manufacturer. Ecogardens reserves the right to retain overages above and beyond the stated quantities.
14. Ecogardens SME will provide 8 maintenance visits as well as train two Village of Orland Park staff members in both general and site-specific maintenance techniques and considerations.
15. Ecogardens SME along with the Village of Orland Park staff will perform due diligence on the best monitoring system(s) solution. **Ecogardens will contribute 50% of the cost of the monitoring equipment up to \$3,000.00 provided that Ecogardens has access and all necessary rights to the data collected, as well as publish, post on their website, etc.**

OBSERVATION DECK AREAS

The proposed observation deck areas are approximately 300 square feet in total. The existing roof membrane is the same as noted above.

Ecogardens proposes the following components for the observation deck areas:

1. 30 mil LLDPE Protection Layer – all seams overlapped by 1’
2. Up to 100 Elmich or similar adjustable pedestals including all spacer tabs, shims, etc.
3. 400 sf of Del Conca USA porcelain pavers (16” x 32” x 3/4” Nominal) – Arbor Series in colors HAO 210 Bianco, HAO 205 Gray, or HAO 203 Natural. 300 sf for the deck areas and 100 sf for inventory (for replacements, etc.)
4. All pavers will have the Underlock Safety Backing.
5. The above materials will be furnished and delivered to the site by Ecogardens.
6. Ecogardens SME will work with the Village of Orland Park staff to finalize the selection of pavers.
7. Ecogardens SME will provide on-site and as needed phone/email (virtual) support throughout the installation of the observation deck areas.
8. All materials will be provided in full case/package/pallet quantities as deemed by the manufacturer. Ecogardens reserves the right to retain overages above and beyond the stated quantities.

PRICE: \$49,820.00

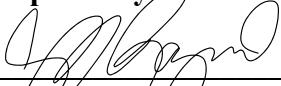
TERMS AND CONDITIONS OF PROPOSAL:

BILLING TERMS



- A. 30% due upon acceptance of proposal. 30% due upon delivery of all materials. Balance due upon completion.
- B. If project is delayed or postponed to 2019, Ecogardens will be paid in full for services rendered to date.

Respectfully Submitted



Gregory Raymond
Managing Member