



## **PROFESSIONAL SERVICES AGREEMENT**

**For**

### **Annico Drive Drainage Study Stormwater Management**

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THIS **AGREEMENT** is between Village of Homer Glen (hereafter "CLIENT") and HR GREEN, INC. (hereafter "COMPANY").

## 1.0 Project Understanding

### 1.1 General Understanding

Annico Drive is located just west of Bell Road along W 159<sup>th</sup> Street in Homer Glen. The Annico Professional Complex development was designed in 1977 and is home to thirteen commercial parcels and one stormwater detention basin. The stormwater detention basin receives flow from the Annico Professional Complex, Annico Drive, and much of the Meadowview subdivision. It has been reported that many of the structures along Annico Drive have experienced flooding to various degrees.

An initial review of the 1977 plans and current topography show that the basin was constructed in a low laying area with no apparent overland route. Based on the 2021 Will County topographic data, there would be substantial flooding of Annico Drive, 159<sup>th</sup> Street and Meadowview before an overland route would be available for flood flows to pass. It appears that the basin's only outlet is a 12" sewer draining to the south towards Ridgewood Drive and likely draining to an unnamed tributary to Spring Creek. It is possible that the 12" outlet pipe was impacted by construction occurring along Ridgewood Drive or by other construction in the area. Based on bird's eye imagery of the area south of 159<sup>th</sup> Street, there appear to be tile failures within the open field. These could be contributing to the flooding along Annico Drive. It is understood that violations involving fill being placed within the stormwater detention basin have been identified by CLIENT and are being dealt with by the CLIENT.

Stormwater management can be completed through three primary methods; conveyance, storage and infiltration. Based on our prior experience on numerous drainage projects completed within the Village, we anticipate infiltration not being a viable solution to this flooding issue. The underlying soils in this Village are predominantly clay. Nearly all of the Annico Drive Professional Complex is situated on hydric soils including Ashkum silt clay loam and Houghton muck both of which are poorly drained. The solution to this flooding issue will likely be a mix of added detention volume and conveyance improvements. The basin appears to be functioning as intended during smaller storms and per the design plans is intended to stormwater detention up to an elevation of approximately 736.5. At this time, it is not clear if that is the 100-year design high water elevation or if that design had accounted for the offsite areas draining into the pond. The lowest structure along Annico drive appears to be located at approximately 737.0 which only provides 0.5' of freeboard over the designed high water level. The issue with the basin is that when this high water elevation is reached that there is no way to rapidly drain out any additional stormwater entering the pond. The preferred solution will likely address this through additional volume and/or conveyance.

CLIENT has requested engineering services to perform a drainage investigation to determine the source of flooding as well as to identify conceptual improvements to reduce the risk of flooding in this area.

## 1.2 Design Criteria/Assumptions

This agreement is intended to determine the source of flooding within the area of the Annico Drive detention basin. The goal of proposed improvements will be to reduce the risk of flooding to less than its current state. This study will provide conceptual improvements to the area and will not result in contract documents.



*Figure 1: Aerial photo of the Annico Drive Detention Basin*

## 2.0 Scope of Services

The CLIENT agrees to employ COMPANY to perform the following services:

### 2.1 Field Drainage Investigation

A site visit will be performed by a licensed Professional Engineer and Certified Floodplain Manager who is experienced in completing drainage investigations. The site investigation will include a physical visit to the site, collecting photos of the site, opening relevant storm sewer structures for inspection, and collecting pertinent information necessary to complete Task 2.3 (Existing Conditions Hydrologic and Hydraulic Model). The site visit will be conducted after a desktop analysis of the topography and storm sewer atlas has been completed. During the site visit, the Professional Engineer will review site conditions for feasibility of potential improvements to the stormwater volumetric capacity of the basin and downstream hydraulic capacity. The findings of the Field Drainage Investigation will be documented on a GIS map and included in the final Technical Memorandum.

### 2.2 Survey

COMPANY will perform a Topographic Survey on part of the subject parcel identified as PIN 16-05-14-404-051 located in Homer Glen, IL. Prior to mobilizing for the data collection portion of the

survey, the design engineers will complete a desktop analysis to direct addition items that are determined to be pertinent to the completion of the drainage study. Survey limits will include the area from the edge of water to the top of slope for the detention basin. Survey will include existing visible features and improvements including topography to the water's edge. Existing utilities will be surveyed from visible flags or markings. Storm structures will be surveyed including rim elevation, invert pipe size, direction and elevation as observed at unlocked manholes. Survey will reference existing NGS control stations, Illinois State Plane Coordinate System East Zone NAD83(2011). Elevations will be based upon NAVD88 or local benchmarks. A boundary survey and Plat of Topographic Survey is excluded herein. COMPANY will generate an AutoCAD Civil 3D 2021 drawing of the existing features collected within the project limits according to IDOT standards including one (1) foot contours for use by COMPANY for internal use.

### 2.3 Existing Conditions Hydrologic and Hydraulic (H&H) Model

COMPANY will review the topographic data, the original design plans and available storm sewer atlas maps to delineate the watershed tributary to the Annico Drive Stormwater Basin. Hydrologic calculations including time of concentration, runoff curve number, stage storage volumetric calculations will be completed and used to determine the peak flows tributary to the basin. Company will use XP SWMM modeling software to create an existing conditions model of the basin and its adjacent drainage ways. The model will utilize the SCS curve number method of determining the flows to the basin. Multiple recurrence and duration storms will be modeled including the 2-year, 5-year, 10-year, 50-year and 100-year storms. The model will result in hydrographs that depict the critical duration storms for various recurrence intervals and will be used to determine the existing capacity of the pond.

### 2.4 Alternative Analysis

Company will investigate up to three (3) improvement alternatives to the basin. It is anticipated that these may include:

- Adding volume to the basin or in locations that are hydraulically adjacent to the existing basin.
- Adding conveyance capacity to the basin's outfall for use during times of heavy rainfall.
- Determining a potential overland route to the unnamed tributary to Spring Creek.

Adding conveyance capacity to the basin's outfall and/or a potential overland flow route will require evaluation of negative impacts to downstream areas and/or need for potential easements. Each alternative will include an exhibit depicting the proposed improvements and a concept level Engineer's Opinion of Probable Costs to design and construct said improvements.

It is assumed that the study may identify additional information is needed regarding the apparent 12" storm sewer draining to the south from the 159<sup>th</sup> Street Right of Way. One recommendation may include televising this pipe. Televising is not included in this agreement but can be provided for an additional fee.

### 2.5 Recommendations and Technical Memorandum

COMPANY will summarize the study's methodology, findings and recommendations into a technical memorandum. The technical memorandum will include an explanation of the



modeling methods, results and recommendations based on those results. Recommendations will be included for a preferred alternative that can then be designed and constructed under a separate agreement. At CLIENT's request, COMPANY may present the study's findings to the Village Trustees at a public meeting.

### **3.0 Deliverables and Schedules Included in this Agreement**

COMPANY will provide CLIENT will a digital copy of the technical memorandum, supporting exhibits, existing and proposed conditions H&H model and digital AutoCAD files from the Topographic Survey.

COMPANY will complete the project per the following schedule:

- Drainage Investigation within 21 days of the Notice to Proceed (NTP).
- Topographic survey within 28 days of the NTP (weather permitting); and
- Study and deliverables within 120 days of the NTP.

This schedule was prepared to include reasonable allowances for review and approval times required by the CLIENT. This schedule shall be equitably adjusted as the project progresses, allowing for changes in the scope of the project requested by the CLIENT or for delays or other causes beyond the control of COMPANY.

### **4.0 Items not included in Agreement/Supplemental Services**

The following items are not included as part of this AGREEMENT:

1. Preliminary Plans / Final Plans / Detailed Design
2. Boundary Survey or Plat of Easements
3. Topographic Survey, beyond specified in the scope of services
4. Appraisals and negotiations
5. Geotechnical Services
6. Groundwater Study or Report
7. Wetland Delineation Report
8. Wetland Jurisdictional Determination
9. Archaeological and other Environmental Surveys
10. Letter of Map Revisions (LOMR)
11. Funding/Grant Applications or Grant Management
12. Contract Plans and Specifications
13. Permits
14. Televising and/or pipe condition analysis
15. Public Meeting

Supplemental services not included in the AGREEMENT can be provided by COMPANY under separate agreement, if desired.

## 5.0 Services by Others

Not Applicable. COMPANY intends to complete all items listed in the Scope of Services section with COMPANY staff.

## 6.0 Client Responsibilities

- Access to available utility atlas, subdivision plans and available GIS data
- Past reports and data, if applicable
- Access to Conference Room for meetings.

## 7.0 Professional Services Fee

### 7.1 Fees

The fee for services will be based on COMPANY standard hourly rates current at the time the AGREEMENT is signed. These standard hourly rates are subject to change upon 30 days' written notice. Non-salary expenses directly attributable to the project such as: (1) living and traveling expenses of employees when away from the home office on business connected with the project; (2) identifiable communication expenses; (3) identifiable reproduction costs applicable to the work; and (4) outside services will be charged in accordance with the rates current at the time the service is done.

### 7.2 Invoices

Invoices for COMPANY's services shall be submitted, on a monthly basis. Invoices shall be due and payable upon receipt. If any invoice is not paid within 30 days, COMPANY may, without waiving any claim or right against the CLIENT, and without liability whatsoever to the CLIENT, suspend or terminate the performance of services. The retainer shall be credited on the final invoice. Accounts unpaid 30 days after the invoice date may be subject to a monthly service charge of 1.5% (or the maximum legal rate) on the unpaid balance. In the event that any portion of an account remains unpaid 60 days after the billing, COMPANY may institute collection action and the CLIENT shall pay all costs of collection, including reasonable attorneys' fees.

### 7.3 Extra Services

Any service required but not included as part of this AGREEMENT shall be considered extra services. Extra services will be billed on a Time and Material basis with prior approval of the CLIENT.

### 7.4 Exclusion

This fee does not include attendance at any meetings or public hearings other than those specifically listed in the Scope of Services. These service items are considered extra and are billed separately on an hourly basis.



## 7.5 Payment

The CLIENT AGREES to pay COMPANY on the following basis:

Time and material basis with a Not to Exceed fee of \$14,192.00.

<b>Task Descriptions</b>	<b>Hours</b>	<b>Total FEE</b>
Field Drainage Investigation	12	\$2,103
Survey	16	\$2,561
Existing Conditions Modeling (H&H)	22	\$3,174
Alternative Analysis	22	\$3,296
Recommendations & Technical Memorandum	20	\$3,058
<b>Total</b>	<b>92</b>	<b>\$14,192</b>



## 8.0 Terms and Conditions

The following Terms and Conditions are incorporated into this AGREEMENT and made a part of it.

### 8.1 Standard of Care

Services provided by COMPANY under this AGREEMENT will be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing at the same time and in the same or similar locality.

### 8.2 Entire Agreement

This AGREEMENT and its attachments constitute the entire understanding between CLIENT and COMPANY relating to COMPANY's services. Any prior or contemporaneous agreements, promises, negotiations, or representations not expressly set forth herein are of no effect. Subsequent modifications or amendments to this AGREEMENT shall be in writing and signed by the parties to this AGREEMENT. If the CLIENT, its officers, agents, or employees request COMPANY to perform extra services pursuant to this AGREEMENT, CLIENT will pay for the additional services even though an additional written agreement is not issued or signed.

### 8.3 Time Limit and Commencement of Services

This AGREEMENT must be executed within ninety (90) days to be accepted under the terms set forth herein. The services will be commenced immediately upon receipt of this signed AGREEMENT.

### 8.4 Suspension of Services

If the Project or the COMPANY'S services are suspended by the CLIENT for more than thirty (30) calendar days, consecutive or in the aggregate, over the term of this AGREEMENT, the COMPANY shall be compensated for all services performed and reimbursable expenses incurred prior to the receipt of notice of suspension. In addition, upon resumption of services, the CLIENT shall compensate the COMPANY for expenses incurred as a result of the suspension and resumption of its services, and the COMPANY'S schedule and fees for the remainder of the Project shall be equitably adjusted.

If the COMPANY'S services are suspended for more than ninety (90) days, consecutive or in the aggregate, the COMPANY may terminate this AGREEMENT upon giving not less than five (5) calendar days' written notice to the CLIENT.

If the CLIENT is in breach of this AGREEMENT, the COMPANY may suspend performance of services upon five (5) calendar days' notice to the CLIENT. The COMPANY shall have no liability to the CLIENT, and the CLIENT agrees to make no claim for any delay or damage as a result of such suspension caused by any breach of this AGREEMENT by the CLIENT. Upon receipt of payment in full of all outstanding sums due from the CLIENT, or curing of such other breach which caused the COMPANY to suspend services, the COMPANY shall resume services and there shall be an equitable adjustment to the remaining project schedule and fees as a result of the suspension.

### 8.5 Books and Accounts

COMPANY will maintain books and accounts of payroll costs, travel, subsistence, field, and incidental expenses for a period of five (5) years. Said books and accounts will be available at all reasonable times for examination by CLIENT at the corporate office of COMPANY during that time.

### 8.6 Insurance

COMPANY will maintain insurance for claims under the Worker's Compensation Laws, and from General Liability and Automobile claims for bodily injury, death, or property damage, and Professional Liability insurance caused by the negligent performance by COMPANY's employees of the functions and services required under this AGREEMENT.

### 8.7 Termination or Abandonment

Either party has the option to terminate this AGREEMENT. In the event of failure by the other party to perform in accordance with the terms hereof through no fault of the terminating party, then the obligation to provide further services under this AGREEMENT may be terminated upon seven (7) days' written notice. If any portion of the services is terminated or abandoned by CLIENT, the provisions of this Schedule of Fees and Conditions in regard to compensation and payment shall apply insofar as possible to that portion of the services not terminated or abandoned. If said termination occurs prior to completion of any phase of the project, the fee for



services performed during such phase shall be based on COMPANY's reasonable estimate of the portion of such phase completed prior to said termination, plus a reasonable amount to reimburse COMPANY for termination costs.

8.8 Waiver

COMPANY's waiver of any term, condition, or covenant or breach of any term, condition, or covenant, shall not constitute a waiver of any other term, condition, or covenant, or the breach thereof.

8.9 Severability

If any provision of this AGREEMENT is declared invalid, illegal, or incapable of being enforced by any Court of competent jurisdiction, all of the remaining provisions of this AGREEMENT shall nevertheless continue in full force and effect, and no provision shall be deemed dependent upon any other provision unless so expressed herein.

8.10 Successors and Assigns

All of the terms, conditions, and provisions hereof shall inure to the benefit of and are binding upon the parties hereto, and their respective successors and assigns, provided, however, that no assignment of this AGREEMENT shall be made without written consent of the parties to this AGREEMENT.

8.11 Third-Party Beneficiaries

Nothing contained in this AGREEMENT shall create a contractual relationship with or a cause of action in favor of a third party against either the CLIENT or the COMPANY. The COMPANY's services under this AGREEMENT are being performed solely for the CLIENT's benefit, and no other party or entity shall have any claim against the COMPANY because of this AGREEMENT or the performance or nonperformance of services hereunder. The CLIENT and COMPANY agree to require a similar provision in all contracts with contractors, subcontractors, sub-consultants, vendors and other entities involved in this project to carry out the intent of this provision.

8.12 Governing Law and Jurisdiction

The CLIENT and the COMPANY agree that this AGREEMENT and any legal actions concerning its validity, interpretation and performance shall be governed by the laws of the State of Illinois without regard to any conflict of law provisions, which may apply the laws of other jurisdictions.

It is further agreed that any legal action between the CLIENT and the COMPANY arising out of this AGREEMENT or the performance of the services shall be brought in a court of competent jurisdiction in the State of Illinois.

8.13 Dispute Resolution

Mediation. In an effort to resolve any conflicts that arise during the design or construction of the project or following the completion of the project, the CLIENT and COMPANY agree that all disputes between them arising out of or relating to this AGREEMENT shall be submitted to non-binding mediation unless the parties mutually agree otherwise. The CLIENT and COMPANY further agree to include a similar mediation provision in all agreements with independent contractors and consultants retained for the project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with subcontractors, sub-consultants, suppliers or fabricators so retained, thereby providing for mediation as the primary method for dispute resolution between the parties to those agreements.

8.14 Attorney's Fees

If litigation arises for purposes of collecting fees or expenses due under this AGREEMENT, the Court in such litigation shall award reasonable costs and expenses, including attorney fees, to the party justly entitled thereto. In awarding attorney fees, the Court shall not be bound by any Court fee schedule, but shall, in the interest of justice, award the full amount of costs, expenses, and attorney fees paid or incurred in good faith.

8.15 Ownership of Instruments of Service

All reports, plans, specifications, field data, field notes, laboratory test data, calculations, estimates and other documents including all documents on electronic media prepared by COMPANY as instruments of service shall remain the property of COMPANY. COMPANY shall retain these records for a period of five (5) years following completion/submission of the records, during which period they will be made available to the CLIENT at all reasonable times.

8.16 Reuse of Documents

All project documents including, but not limited to, plans and specifications furnished by COMPANY under this project are intended for use on this project only. Any reuse, without specific written verification or adoption by COMPANY, shall be at the CLIENT's sole risk, and CLIENT shall defend, indemnify and hold harmless COMPANY from all claims, damages and expenses including attorneys' fees arising out of or resulting therefrom.

Under no circumstances shall delivery of electronic files for use by the CLIENT be deemed a sale by the COMPANY, and the COMPANY makes no warranties, either express or implied, of merchantability and fitness for any particular purpose. In no event shall the COMPANY be liable for indirect or consequential damages as a result of the CLIENT's use or reuse of the electronic files.

8.17 Failure to Abide by Design Documents or To Obtain Guidance

The CLIENT agrees that it would be unfair to hold COMPANY liable for problems that might occur should COMPANY'S plans, specifications or design intents not be followed, or for problems resulting from others' failure to obtain and/or follow COMPANY'S guidance with respect to any errors, omissions, inconsistencies, ambiguities or conflicts which are detected or alleged to exist in or as a consequence of implementing COMPANY'S plans, specifications or other instruments of service. Accordingly, the CLIENT waives any claim against COMPANY, and agrees to defend, indemnify and hold COMPANY harmless from any claim for injury or losses that results from failure to follow COMPANY'S plans, specifications or design intent, or for failure to obtain and/or follow COMPANY'S guidance with respect to any alleged errors, omissions, inconsistencies, ambiguities or conflicts contained within or arising as a result of implementing COMPANY'S plans, specifications or other instruments of service. The CLIENT also agrees to compensate COMPANY for any time spent and expenses incurred remedying CLIENT's failures according to COMPANY'S prevailing fee schedule and expense reimbursement policy.

8.18 Opinion of Probable Construction Cost

As part of the Deliverables, COMPANY may submit to the CLIENT an opinion of probable cost required to construct work recommended, designed, or specified by COMPANY, if required by CLIENT. COMPANY is not a construction cost estimator or construction contractor, nor should COMPANY'S rendering an opinion of probable construction costs be considered equivalent to the nature and extent of service a construction cost estimator or construction contractor would provide. This requires COMPANY to make a number of assumptions as to actual conditions that will be encountered on site; the specific decisions of other design professionals engaged; the means and methods of construction the contractor will employ; the cost and extent of labor, equipment and materials the contractor will employ; contractor's techniques in determining prices and market conditions at the time, and other factors over which COMPANY has no control. Given the assumptions which must be made, COMPANY cannot guarantee the accuracy of its opinions of cost, and in recognition of that fact, the CLIENT waives any claim against COMPANY relative to the accuracy of COMPANY'S opinion of probable construction cost.

8.19 Design Information in Electronic Form

Because electronic file information can be easily altered, corrupted, or modified by other parties, either intentionally or inadvertently, without notice or indication, COMPANY reserves the right to remove itself from its ownership and/or involvement in the material from each electronic medium not held in its possession. CLIENT shall retain copies of the work performed by COMPANY in electronic form only for information and use by CLIENT for the specific purpose for which COMPANY was engaged. Said material shall not be used by CLIENT or transferred to any other party, for use in other projects, additions to this project, or any other purpose for which the material was not strictly intended by COMPANY without COMPANY'S express written permission. Any unauthorized use or reuse or modifications of this material shall be at CLIENT'S sole risk. Furthermore, the CLIENT agrees to defend, indemnify, and hold COMPANY harmless from all claims, injuries, damages, losses, expenses, and attorneys' fees arising out of the modification or reuse of these materials.

The CLIENT recognizes that designs, plans, and data stored on electronic media including, but not limited to computer disk, magnetic tape, or files transferred via email, may be subject to undetectable alteration and/or uncontrollable deterioration. The CLIENT, therefore, agrees that COMPANY shall not be liable for the completeness or accuracy of any materials provided on electronic media after a 30-day inspection period, during which time COMPANY shall correct any errors detected by the CLIENT to complete the design in accordance with the intent of the contract and specifications. After 40 days, at the request of the CLIENT, COMPANY shall submit a final set of sealed drawings, and any additional services to be performed by COMPANY relative to the

submitted electronic materials shall be subject to separate agreement. The CLIENT is aware that differences may exist between the electronic files delivered and the printed hard-copy construction documents. In the event of a conflict between the signed construction documents prepared by the COMPANY and electronic files, the signed or sealed hard-copy construction documents shall govern.

#### 8.20 Information Provided by Others

The CLIENT shall furnish, at the CLIENT's expense, all information, requirements, reports, data, surveys and instructions required by this AGREEMENT. The COMPANY may use such information, requirements, reports, data, surveys and instructions in performing its services and is entitled to rely upon the accuracy and completeness thereof. The COMPANY shall not be held responsible for any errors or omissions that may arise as a result of erroneous or incomplete information provided by the CLIENT and/or the CLIENT's consultants and contractors.

COMPANY is not responsible for accuracy of any plans, surveys or information of any type including electronic media prepared by any other consultants, etc. provided to COMPANY for use in preparation of plans. The CLIENT agrees, to the fullest extent permitted by law, to indemnify and hold harmless the COMPANY from any damages, liabilities, or costs, including reasonable attorneys' fees and defense costs, arising out of or connected in any way with the services performed by other consultants engaged by the CLIENT.

COMPANY is not responsible for accuracy of topographic surveys provided by others. A field check of a topographic survey provided by others will not be done under this AGREEMENT unless indicated in the Scope of Services.

#### 8.21 Force Majeure

The CLIENT agrees that the COMPANY is not responsible for damages arising directly or indirectly from any delays for causes beyond the COMPANY's control. CLIENT agrees to defend, indemnify, and hold COMPANY, its consultants, agents, and employees harmless from any and all liability, other than that caused by the negligent acts, errors, or omissions of COMPANY, arising out of or resulting from the same. For purposes of this AGREEMENT, such causes include, but are not limited to, strikes or other labor disputes; severe weather disruptions or other natural disasters or acts of God; fires, riots, war or other emergencies; disease epidemic or pandemic; failure of any government agency to act in a timely manner; failure of performance by the CLIENT or the CLIENT'S contractors or consultants; or discovery of any hazardous substances or differing site conditions. Severe weather disruptions include but are not limited to extensive rain, high winds, snow greater than two (2) inches and ice. In addition, if the delays resulting from any such causes increase the cost or time required by the COMPANY to perform its services in an orderly and efficient manner, the COMPANY shall be entitled to a reasonable adjustment in schedule and compensation.

#### 8.22 Job Site Visits and Safety

Neither the professional activities of COMPANY, nor the presence of COMPANY'S employees and sub-consultants at a construction site, shall relieve the general contractor and any other entity of their obligations, duties and responsibilities including, but not limited to, construction means, methods, sequence, techniques or procedures necessary for performing, superintending or coordinating all portions of the work of construction in accordance with the contract documents and any health or safety precautions required by any regulatory agencies. COMPANY and its personnel have no authority to exercise any control over any construction contractor or other entity or their employees in connection with their work or any health or safety precautions. The CLIENT agrees that the general contractor is solely responsible for job site safety, and warrants that this intent shall be made evident in the CLIENT's AGREEMENT with the general contractor. The CLIENT also agrees that the CLIENT, COMPANY and COMPANY'S consultants shall be indemnified and shall be made additional insureds on the general contractor's and all subcontractor's general liability policies on a primary and non-contributory basis.

#### 8.23 Hazardous Materials

CLIENT hereby understands and agrees that COMPANY has not created nor contributed to the creation or existence of any or all types of hazardous or toxic wastes, materials, chemical compounds, or substances, or any other type of environmental hazard or pollution, whether latent or patent, at CLIENT's premises, or in connection with or related to this project with respect to which COMPANY has been retained to provide professional services. The compensation to be paid COMPANY for said professional services is in no way commensurate with, and has not been calculated with reference to, the potential risk of injury or loss which may be caused by the exposure of persons or property to such substances or conditions. Therefore, to the fullest extent permitted by law, CLIENT agrees to defend, indemnify, and hold COMPANY, its officers, directors,

employees, and consultants, harmless from and against any and all claims, damages, and expenses, whether direct, indirect, or consequential, including, but not limited to, attorney fees and Court costs, arising out of, or resulting from the discharge, escape, release, or saturation of smoke, vapors, soot, fumes, acid, alkalis, toxic chemicals, liquids gases, or any other materials, irritants, contaminants, or pollutants in or into the atmosphere, or on, onto, upon, in, or into the surface or subsurface of soil, water, or watercourses, objects, or any tangible or intangible matter, whether sudden or not.

It is acknowledged by both parties that COMPANY'S Scope of Services does not include any services related to asbestos or hazardous or toxic materials. In the event COMPANY or any other party encounters asbestos or hazardous or toxic materials at the job site, or should it become known in any way that such materials may be present at the job site or any adjacent areas that may affect the performance of COMPANY'S services, COMPANY may, at its option and without liability for consequential or any other damages, suspend performance of services on the project until the CLIENT retains appropriate specialist consultant(s) or contractor(s) to identify, abate and/or remove the asbestos or hazardous or toxic materials, and warrants that the job site is in full compliance with applicable laws and regulations.

Nothing contained within this AGREEMENT shall be construed or interpreted as requiring COMPANY to assume the status of a generator, storer, transporter, treater, or disposal facility as those terms appear within the Resource Conservation and Recovery Act, 42 U.S.C.A., §6901 et seq., as amended, or within any State statute governing the generation, treatment, storage, and disposal of waste.

#### 8.24 Certificate of Merit

The CLIENT shall make no claim for professional negligence, either directly or in a third party claim, against COMPANY unless the CLIENT has first provided COMPANY with a written certification executed by an independent design professional currently practicing in the same discipline as COMPANY and licensed in the State in which the claim arises. This certification shall: a) contain the name and license number of the certifier; b) specify each and every act or omission that the certifier contends is a violation of the standard of care expected of a design professional performing professional services under similar circumstances; and c) state in complete detail the basis for the certifier's opinion that each such act or omission constitutes such a violation. This certificate shall be provided to COMPANY not less than thirty (30) calendar days prior to the presentation of any claim or the institution of any judicial proceeding.

#### 8.25 Limitation of Liability

In recognition of the relative risks and benefits of the Project to both the CLIENT and the COMPANY, the risks have been allocated such that the CLIENT agrees, to the fullest extent permitted by law, to limit the liability of the COMPANY and COMPANY'S officers, directors, partners, employees, shareholders, owners and sub-consultants for any and all claims, losses, costs, damages of any nature whatsoever or claims expenses from any cause or causes, including attorneys' fees and costs and expert witness fees and costs, so that the total aggregate liability of the COMPANY and COMPANY'S officers, directors, partners, employees, shareholders, owners and sub-consultants shall not exceed \$50,000.00, or the COMPANY'S total fee for services rendered on this Project, whichever is greater. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.

#### 8.26 Drywells, Underdrains and Other Infiltration Devices

Services provided by COMPANY under this AGREEMENT do NOT include the geotechnical design of drywells, underdrains, injection wells or any other item that may be devised for the purpose of removing water from the CLIENT'S property by infiltration into the ground. Due to the high variability of soil types and conditions such devices will not be reliable in all cases. While for this reason COMPANY does not recommend the use of these devices, in some cases their use may be necessary to obtain an adequate amount of area for development on the CLIENT'S property. Since the use of these devices is intended to enhance the value of the CLIENT'S property and, in some cases, allow development that would otherwise not be possible, the CLIENT will assume all risks inherent in the design and construction of these devices, unless the contractor or a Geotechnical Engineer assumes these risks. Typical risks include but are not limited to:

- Failure to obtain the required release rate;
- Variability of the soils encountered during construction from those encountered in soil borings. (Soils can vary widely over a small change in location, horizontal or vertical, particularly with regards to permeability);
- Failure of the device due to siltation, poor construction or changes in the water table;

- Need to obtain additional soils information (i.e. borings etc.) to evaluate the function of installed devices;
- Reconstruction of failed or inadequate devices;
- Enlargement of detention/ retention facilities to make up for release rates that are lower than those used in the stormwater design, including engineering design and additional land required for such enlargement; and
- Regular maintenance to remove accumulated silt over the device's life span.

If the use of these devices is required COMPANY will advise the CLIENT that a Geotechnical Engineer must be retained to consult on the project. The CLIENT must enter into a separate agreement directly with this consultant. They will not be sub-contracted through COMPANY nor are their fees included as part of this AGREEMENT. COMPANY will work together with this consultant to obtain a final design. Our collaboration may include the use of a common standard detail or the creation of a new standard detail. COMPANY may make suggestions to the Geotechnical Engineer on ways to tailor these devices to meet the needs of the overall site design. The Geotechnical Engineer will evaluate these suggested details and modifications based on his experience and measured soils information to estimate the release rate for each detail considered. COMPANY may use a release rate of these devices as provided by the Geotechnical Engineer for the design of the stormwater system. This rate may be faxed to us, as a draft copy of the Geotechnical Engineers report or as a final copy of that report. In no case will COMPANY accept responsibility for the determination of the expected release rate of these devices.

If certification of the contractor's construction of these devices is required by the municipality or desired by the CLIENT a Geotechnical Engineer must also be obtained for these services. This is highly recommended in order to observe the actual soils where the devices are being constructed and to verify that the construction methods used do not violate any assumptions made by the Geotechnical Engineer during the design and evaluation of the standard detail. If a Geotechnical Engineer is not retained by the CLIENT to provide construction review, the CLIENT shall assume all risks that the devices may fail requiring additional geotechnical investigation or reconstruction and shall defend, indemnify and hold harmless COMPANY from all claims, damages and expenses including attorneys' fees arising out of or resulting therefrom. Any construction observation services provided by COMPANY shall not include these devices.

#### 8.37 Municipal Advisor

The COMPANY is not a Municipal Advisor registered with the Security and Exchange Commission (SEC) as defined in the Dodd-Frank Wall Street Reform and Consumer Protection Act. When the CLIENT is a municipal entity as defined by said Act, and the CLIENT requires project financing information for the services performed under this AGREEMENT, the CLIENT will provide the COMPANY with a letter detailing who their independent registered municipal advisor is and that the CLIENT will rely on the advice of such advisor. A sample letter can be provided to the CLIENT upon request.



This AGREEMENT is approved and accepted by the CLIENT and COMPANY upon both parties signing and dating the AGREEMENT. Services will not begin until COMPANY receives a signed agreement. COMPANY's services shall be limited to those expressly set forth in this AGREEMENT and COMPANY shall have no other obligations or responsibilities for the Project except as agreed to in writing. The effective date of the AGREEMENT shall be the last date entered below.

Sincerely,

HR GREEN, INC.

Logan Gilbertsen, P.E, CFM

Author Name

Approved by:

Printed/Typed Name: Ajay Jain, P.E., CFM

Title: Vice President

Date:

9/9/22

VILLAGE OF HOMER GLEN

Accepted by:

Printed/Typed Name:

Carmen J Manville LLC

Title: Village Manager

Date:

10/24/2022