Note: this checklist is tailored for:

* Person responsible for managing maintenance activities required on green roof to use when inspecting green roof for maintenance needs
* Observations by Owner or third party retained by Owner
* Can be adapted for regulatory inspections by deleting sections not applicable for regulatory inspections.

Inspector Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date of Inspection: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Project Information (fill this in prior to inspection)**

|  |  |
| --- | --- |
| Property Address: | Owner Contact Info: |
| Maintenance Contractor Name: | Permit # if applicable |
| Maintenance Contractor Phone #: | Date of Green Roof Installation Substantial Completion: |
| Type of irrigation systemOverhead, drip, other? | Irrigation regime immediately prior to inspection:Amount:Frequency and duration:Other notes: |

**Growing Conditions During Inspection**

|  |  |
| --- | --- |
| Temperature: | Soil moisture |
| Sunny or cloudy |  |
| Date of last rainfall |  |

Have action items from last inspection been addressed?

**VEGETATION**

**Current Condition Compared to Project Requirements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item inspected** | **Project requirement** | **Current Condition** | **Notes** | **Action Needed and Deadline** |
| Percent Cover of Healthy Acceptable Plant Species |  |  |  |  |
| Diversity of Acceptable Species |  |  |  |  |
| Percent Cover of Weeds - list species in notes  |  |  |  |  |

**Dominant Species** – note all species 5% cover or more

|  |  |  |
| --- | --- | --- |
| **Species Scientific Name** | **Percent Cover** | **Notes** |
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**Signs of Plant Stress Observed:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sign of Plant Stress Observed** | **Species in which it was observed** | **% cover of plants showing signs of stress** | **Notes: potential cause of stress, other observations**(e.g. radiation from adjacent glass curtain windows, inadequate nutrient or water levels, heat, wind, pests, disease) |
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**Are vegetation free zones and drains free of vegetation?** Yes no

If no, clear vegetation free zones of vegetation

**Is it necessary to cut dried vegetation or remove thatch? I.e. is dried vegetation or thatch so thick that it is negatively affecting roof vegetation health?**

**Additional vegetation notes or action items:**

**GROWING MEDIUM AND DRAINAGE**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item inspected** | **Y/N** | **Notes – e.g. what appears to be causing problems? Description of problems** | **Action Needed and deadline** |
| Gullies or other signs of erosion or sedimentation observed? |  |  |  |
| Evidence of wind scour? |  |  |  |
| Ponding or soggy spots observed? |  |  |  |
| Clogged, misaligned, or ineffective drains? |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

Draw areas where problems were observed on attached as-built plan sheet.

**Media Texture and Thickness Observed:**

**Minimum Media Thickness Required:**

**Additional soil needed?**

**Soil test performed for nutrient content in past 12 months?** Yes no

(see Task 6 for more information on green roof soil tests)

If yes, attach results, if not, perform soil test

Based on soil test results and condition of vegetation, is fertilization needed? Yes no

**ROOT DEVELOPMENT**

At representative locations, excavate to the depth of the separation fabric and observe the root-zone conditions:

1. Depth of roots
2. Density of roots throughout the profile
3. Penetration of the separation fabric by roots
4. Development of surface thatch of stems

Show representative locations and observations on as-built plan sheet and attach to this checklist.

**IRRIGATION**

Do any broken drip or supply lines, or any other irrigation components need repair?

Is there evidence of uneven irrigation levels, such as desiccated media or marshy conditions? If so, note on as-built plan.

Does irrigation regime need to be adjusted?

**OTHER NOTES:**