[Date]

[Contact]

City of Longmont

385 Kimbark Street

Longmont, CO 80501

**Re: [Development Name] Fully Infiltrating Rain Garden (WQ Only) Certification Letter**

City of Longmont Staff:

The intent of this letter is to formally certify that the fully-infiltrating rain garden installed at [development name] was designed to meet all water quality technical standards outlined in Title 14.26 of the City of Longmont (City) Municipal Code, and was inspected and confirmed to be constructed in general conformance with the City-approved construction documents and specifications.

[Summarize any deviations from approved construction plans and specifications, if any. Identify why these changes do not impact the claim above.]

The growing media installed matches the design specifications and was installed to the appropriate depth. The growing media was determined to have been adequately protected from excessive sediment loading during construction and/or is fully functioning at the time of certification, and [all areas tributary to the rain garden have now been stabilized/it has been communicated to the contractor that the growing media must continue to be protected until the entire tributary area is stabilized]*.*

The growing media has been vegetated with drought tolerant species as outlined in the design documents. The irrigation system has been installed in a manner that will help facilitate continued health of the specified vegetation.

The fully-infiltrating design was demonstrated to be functional through the use of the following infiltration test. (Include details regarding infiltration test and results of test). It is anticipated that rain garden will drain the runoff that enters the facility via (describe process/route runoff will leave the rain garden). Based on how the facility will drain and the results of the infiltration test it has been determined that two times the WQCV will be able to drain in less than 12 hours and that 97% of the 5-yr storm will be able to infiltrate in less than 72 hours. In the case that the rain garden no longer drains in an appropriate time to meet the water quality standards or state water law, then the certifying engineer should be contacted to begin pursing contingency options outlined in the Final Drainage Report and/or Operation and Maintenance Manual for the rain garden submitted with this certification.

Key metrics used in the approved design have been updated for the as-built condition, and are identified in the table below:

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric** | **Design** | **As-built** | **Units** |
| WQCV |  |  | Ac-ft |
| WQCV WSE^ |  |  | Ft |
| Growing Media Surface Elevation |  |  | Ft |
| Growing Media Surface Area |  |  | Square feet |
| Growing Media Infiltration Rate |  |  | In/hr |
| Infiltration Rate to Native Soils |  |  | In/hr |
| WQCV Drain Time |  |  | Hours |
| ^ WSE: Water surface elevation | | | |

Attached to this letter you will find:

* Original design construction documents including all relevant details and calculations for the water quality facility
* As-built construction documents for the water quality facility (includes a topographic survey of the constructed facility including the as-built elevations of pipe inverts, outlet structure elevations, and overflow spillway).
* Material specification sheet from the supplier for the growing media and filter media
* Updated calculations for the as-built facility of the outlet structure or infiltration information indicating appropriate drain down time were met.
* Updated Operations and Maintenance Manual associated with the PSC. The Manual should be adjusted based on any changes that were made during construction and should contain the stamped as-built details for the PSC.
* Photograph Documentation of Rain Garden (only include what is applicable)
  + Impermeable liner (prior to any fill material)
  + Underdrain system including riser pipe for cleanouts
  + Connection of underdrain to outlet structure
  + Underdrain buried in CDOT Class C filter material
* Provide the Stormwater Detention & Infiltration (SDI) worksheet necessary to submit to the Compliance Portal. After the SDI sheet and the PSC is structurally approved you will need to submit to the compliance portal.
  + [SDI Worksheet](https://longmontcolorado.sharepoint.com/sites/Projects-SWQProgram/Shared%20Documents/General/Permitting/PSC%20Program/PSC%20Certification%20Templates/mhfd.org/wp-content/uploads/2020/04/SDI_Design_Data_v2.00.xlsm)
  + [Compliance Portal](https://maperture.digitaldataservices.com/gvh/?viewer=cswdif)

Sincerely,

First Last Name, P.E.

Title

Organization Name