[Date]

[Contact]

City of Longmont

385 Kimbark Street

Longmont, CO 80501

**Re: [Development Name] Detention Facility Certification Letter**

City of Longmont Staff:

The intent of this letter is to formally certify that the detention basin at [development name] was maintained without impacting the original design intent of the basin to meet all detention technical standards outlined in Title 14.24 of the City of Longmont (City) Municipal Code, and was inspected and confirmed to be 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 10-year/EURV and 100-year flood detention volumes have been restored to within #.#% of the design volumes as demonstrated by the provided basin survey depicting stage storage curves. The outlet structure has not been modified to preserve the original approved release rates. A freeboard of #.## ft was also confirmed to be provided by the facility.

Basin side slopes have been maintained to the correct slope and have been stabilized to help facilitate maintenance and safety in the basin. The inlet(s) to the facility allow runoff to freely enter the facility and remain at the correct invert elevations. Energy dissipating structures remain present to prevent erosion of the basin. The trickle channel is properly graded with a minimum #.#% slope, and the basin grading facilitates flow to the trickle channel. The emergency spillway has not been modified and remains installed to convey the un-detained 100-year storm. Vegetation has been / will be established throughout the facility as identified in the landscaping drawings, and all other supporting documentation.

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** | **Current** | **Units** | |
| 100-Yr Storage Volume | 0 | 0 | 0 | Ac-ft | |
| 100-Yr WSE^ | 0 | 0 | 0 | Ft | |
| 100-Yr Release Rate | 0 | 0 | 0 | cfs | |
| 10-Yr/EURV Storage Volume | 0 | 0 | 0 | Ac-ft | |
| 10-Yr/EURV WSE^ | 0 | 0 | 0 | Ft | |
| 10-Yr Release Rate/EURV Drain Time | 0 | 0 | 0 | cfs or Hours | |
| ^ WSE: Water surface elevation | | | | |

Attached to this letter you will find:

* Updated calculations for the facility including a stage storage curve for the as-built facility as well as the outlet structure design indicating appropriate release rates/times were met.
* Photograph Documentation of Detention Basin
  + Overall Basin
  + Inlet(s)
  + Outlet Structure

Sincerely,

First Last Name, P.E.

Title

Organization Name

NOTE: THIS LETTER MUST BE STAMPED AND SIGNED BY A COLORADO LICENSED PROFESSIONAL ENGINEER