City of Evans, Colorado

Attach 22x34 exhibit showing the detention pond and as-built spot elevations

DETENTION CERTIFICATION

Date: _____

Subdivision Name _____

Subdivision Location _____

Drainage Report Title & Date _____

Location of Detention / Number _____

DETENTION PONDS

Does this certification include a detention pond? ____Yes ____No
(If no, skip to underground detention section)

Orifice Diameter (inches) or Height of Opening (inches) _____

WQ (Water Quality) Plate Holder Diameter (inches) _____

WQ Plate No. of Columns _____

WQ Plate No. of Holes per Column _____

Outlet Box Invert Elevation (feet) _____

Top of WQCV (Water Quality Capture Volume) Elevation (feet) _____

Spillway Elevation (feet) _____

Spillway Width (feet) _____

Side Slopes
North: H_____ V_____
South: H_____ V_____
East: H_____ V_____
West: H V

Has a trash rack been installed and bolted? _____ Yes _____ No _____

Has a galvanized trash rack, orifice, and WQ plate been provided? _____ Yes _____ No _____

Has riprap been installed? _____ Yes _____ No _____

Has maintenance access been provided? _____ Yes _____ No _____

Is it an open space detention area? _____ Yes _____ No _____

If Yes, is a trickle channel included? _____ Yes _____ No _____

City of Evans, Colorado

Has 97% volume of the 5-year storm event been designed to drain within 72 hours per Urban Drainage and Flood Control District (Mile High Flood District) criteria? ____ Yes ____ No

Has one foot of freeboard been provided above the computed 100-year water surface hydraulic grade line elevation? ____ Yes ____ No

Is the basin located in an area with a master Drainage plan(s)? ____ Yes ____ No

If Yes, does the release rate vary from the 5-year historic to the 100-year developed rates? ____ Yes ____ No

Ground Cover in Pond ____ Sod ____ Native ____ Dirt ____ Other

Water Quality Volume

Required _____ acre ft _____ ft^3 Available _____ acre ft _____ ft^3

Storm Detention

Required _____ acre ft _____ ft^3 Available _____ acre ft _____ ft^3

Total Pond Volume

Required _____ acre ft _____ ft^3 Available _____ acre ft _____ ft^3

UNDERGOUND DETENTION SYSTEMS

Is underground detention utilized at this site? ____ Yes ____ No

Orifice Diameter (inches) or Height of Opening (inches) _____

Is an orifice plate required/provided? _____ Yes _____No

If Yes, does the orifice plate open into the detention pipes? _____ Yes _____No

Has a Stormceptor been provided for the WQCV? _____ Yes _____No

Are the pipe segments continuously sloped at 0.4 percent minimum to the outlet? _____ Yes _____No

Has 97% volume of the 5-year storm event been designed to drain within 72 hours per Urban Drainage and Flood Control District (Mile High Flood District) criteria? _____ Yes _____No

Has maintenance access been provided? _____ Yes _____No

I state that the above-referenced detention pond was constructed to City of Evans approved construction drawings and standards, as designed by the project engineer, and as field staked by the project surveyor. All deviations to the approved construction drawings, standards, design and/or survey were so noted and were provided to the Project Engineer for acceptance and inclusion in the as-built detention pond information.

Owner Name _____ Owner Signature _____ Date _____

Authorized Representative Name _____ Authorized Representative Signature _____ Date _____

Company Name _____

Address _____ City _____ State _____ Zip Code _____

I state that this project was staked for construction per the City of Evans approved construction drawings and standards and in accordance with the project design. I certify that the field survey information for the as-built detention pond certification was obtained in accordance with City criteria and are accurately represented here.

Surveyor Name _____ Surveyor Signature _____ Date _____

Company Name _____

Address _____ City _____ State _____ Zip Code _____

I have reviewed the as-built detention pond information provided by the project contractor and surveyor. I certify that according to the information provided and periodic field inspections, the as-built detention pond information complies with the City of Evans approved construction drawings and standards and the detention pond will function as designed.

Engineer Name _____ Engineer Signature _____ Date _____

Company Name _____

Address _____ City _____ State _____ Zip Code _____