

As-Built Drawing Requirements

As-built drawings are required for all projects within, or draining to, the MS4 area or when requested by Development Review for sites outside of the MS4 area.



While it is expected that a project will be built in accordance with the accepted construction plans, it is understood that unforeseen site conditions may require deviations. Therefore, as-built drawings are required to be submitted for all site drainage and shall clearly demonstrate the construction of drainage features as designed and in accordance with Weld County Code. As-built drawings shall verify critical public safety elements and document all modifications/changes to the original plans as described below.

As-built drawings are typically a red-lined copy of the original, accepted grading plans, unless otherwise allowed by Public Works.

As-Built Drawing Requirements:

- ✓ Surveyor's and Engineer's Statements of Substantial Compliance are required on the cover sheet only and as follows:
 - **Registered Colorado Professional Land Surveyor:** A registered land surveyor in the State of Colorado shall certify the construction of drainage and stormwater infrastructure with the following statement:
"A field survey was conducted by (Surveyor), on (Dates). Unless explicitly marked, constructed condition should not be assumed. I, (Surveyor), hereby state that in my professional opinion the information shown on these plans accurately represents the improvements constructed."
 - **Registered Colorado Professional Engineer:** The responsible P.E. for the project shall certify the construction of drainage and stormwater infrastructure with the following statement:
"Based upon review of and reliance on the field survey data and other pertinent data provided by (Name of Firm(s) or Surveyor), on (Date), and a final site investigation conducted on (Date), I hereby state that to the best of my knowledge, information and belief, it is my professional opinion that the facilities shown in these drawings were constructed in substantial compliance with the accepted Drainage Report and/or Construction Drawings and the Engineer's intent. This statement is based only on a review of the field survey data and a final site investigation."
- ✓ The As-Built drawings are a standalone document and shall provide an exact rendering of the construction as it appears in the field. Any modifications to the original plans, whether minor or major, shall be included. The changes shall be color coded, bubbled, clouded, or outlined and they shall be explained clearly in writing. Any deviation from the plans shall be specified, whether the change was in design, location, or the materials used. Small details like materials used shall be documented if they differ from those indicated in the original plans. The intended but unused materials shall be crossed out to acknowledge the changes that emerged during the construction process. If necessary, additional sheets may be added to clearly show all required information.
- ✓ The verification of public safety elements (i.e., detention/retention pond volume, stormwater conveyance structure capacity, etc.) shall be based on a field survey prepared by a Colorado licensed surveyor.
 - As-Built Drawings for Storm Sewer shall verify the material, size and longitudinal grade of all storm sewer pipes and culverts. Elevations are required for all pipes, inlets, riprap, headwalls, and all other storm drainage infrastructure shown on the accepted plans.
 - As-Built Drawings for Open Channels shall verify all drainageway grades/slopes, channel cross-sections and horizontal and vertical information for all grade control structures.
 - As-Built Drawings for Detention / Water Quality Facilities shall verify horizontal/vertical information of all facilities including pipe or channel inlets, low flow or trickle channels, outlet structures, emergency overflow spillways, and water surface elevations (WQCV and 100-yr storm event). Provide spot elevations for critical stormwater infrastructure locations (spillways, top of ponds, outlet structures, etc.). A stage/storage table of the surveyed pond may be required if topography (1' contours) significantly differs from the original plans.