

7.1 CRITERIA

As-Built drawings shall be submitted to the Engineering Division for all improvements constructed under the terms of the Subdivision Improvements Agreement, Site Plan Improvements Agreement, Subdivision Improvements Agreement-Private or under the conditions specified by the Planning Commission or BCC in accepting any other land use changes, or under the terms of a Service Plan and accepted construction plan for a Metropolitan Improvement District.

- 7.1.1** As-Built Drawings must accompany the request for Preliminary Acceptance of the constructed public/private improvements.
- 7.1.2** As-Built Drawings shall consist of two (2) full size marked up paper copies of the Douglas County accepted plans with the Registered Colorado Professional Engineer's signed and stamped certification note and the Registered Colorado Professional Land Surveyor certification.
- 7.1.3** Engineer's and Surveyor's Statements of Substantial Compliance of the Record drawings is required on the cover sheet only and as follows:
- 7.1.3.1** Registered Colorado Professional Engineer:
The responsible P.E. for the project shall state: "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."
- 7.1.3.2** Registered Colorado Professional Land Surveyor:
A registered land surveyor in the State of Colorado shall certify the as-built detention pond volumes at the design depths, outlet structure sizes and elevations, storm sewer sizes and invert elevations at inlets, manholes and discharge locations, representative open channel cross-sections, and dimensions of all the drainage structures. The surveyor shall also state: A Record Drawing field survey was conducted by (Surveyor), on (Dates). All items noted on these drawings with an "RD" indicate Record Drawing information based on said survey. Unless explicitly marked with an "RD" constructed condition should not be assumed. I, (Surveyor), hereby state that in my professional opinion the Record Drawing information shown on these plans accurately represents the improvements constructed.
- 7.1.4** The Engineering Division staff will compare the certified As-Built Drawing information with the accepted construction drawings. Initial Acceptance for the public improvements will be issued only if:
- 7.1.4.1** The As-Built Drawing information demonstrates that the construction is in compliance with the design intent.
- 7.1.4.2** The As-Built Drawings are certified by both a Registered Colorado

Professional Engineer and a Registered Colorado Professional Land Surveyor.

7.1.5 Summary of certifications and county actions required for engineering reports and plans:

	CERTIFICATION REQUIRED	COUNTY ACTION REQUIRED
<i>Drainage reports (Refer to Douglas County Storm Drainage Design and Technical Criteria).</i>		
Phase I Drainage Report (Sketch Plan)	None	Review & Comment
Phase II Drainage Report (Preliminary Plan)	Design Engineer	Review & Comment
Phase III Drainage Report (Final Plat)	Design Engineer / Developer	Acceptance (with Construction Plans)
Construction Drawings (Drainage and Roadway)	Design Engineer	Acceptance
Subgrade Investigation and Pavement Design Report	Design Engineer	Acceptance
As-Built Drawings	Design Engineer / Land Surveyor	Preliminary Acceptance

7.1.6 As-Built Drawings shall show the following Information:

- 7.1.6.1** As-Built Drawings for Roadways shall verify centerline and flowline location and elevation at high points, low points, vertical grade breaks and curves, all points of horizontal curvature, curb returns, surface utilities and structures, ROW monuments and curb ramp locations.
- 7.1.6.2** As-Built Drawings for Storm Sewer shall verify the size and elevation of all pipes (including pipe class), inlets, riprap, headwalls, and all other storm drainage infrastructure shown on the accepted plans, including those improvements located in areas outside of public right-of-way.
- 7.1.6.3** As-Built Drawings for Open Channels shall verify all drainageway grades and channel shape, horizontal and vertical information for grade control structures and stabilization measures, storm sewer outfalls if not shown on the storm sewer As-Built Drawings and maintenance access.
- 7.1.6.4** As-Built Drawings for Detention / Storage Facilities shall verify horizontal and vertical information of all facilities including locations of low flow or trickle channels, outlet structure, emergency overflow spillway, pipe or channel inlets, water surface limits and maintenance access.
- 7.1.6.5** As-Built Drawings for Water Quality Facilities shall verify horizontal and vertical information of the facility, water surface limits and maintenance access.
- 7.1.6.6** As-Built Drawings for Signage and Striping Plans shall verify the type, size and location of all signage and striping shown on the accepted plans.

- 7.1.6.7** As-Built Drawings for Traffic Signal Plans shall verify the type, size and location of all traffic signal devices shown on the accepted plans.
- 7.1.6.8** As-Built Drawings for Landscape Plans shall verify locations of trees, monuments, planters, drainage improvements and trench drains shown on the accepted plans.
- 7.1.6.9** As-Built Drawings shall verify other information as specifically requested by the County Engineering Division, and as identified on the accepted plans.
- 7.1.7** The Engineer shall submit electronic As-Built information of all pipes, inlets, riprap pads, headwalls, and all other storm drainage infrastructure shown on the accepted plans, including those improvements located in areas outside of public right-of-way, to Douglas County Engineering Division in “DWG” or “DXF” format prior to receiving Preliminary Acceptance.