

Specifications for As-Built Civil Drawings

Prior to terminating Mason Land Disturbance Permit, the Contractor shall submit as-built civil drawings, certified by an engineer or land surveyor, to Mason Land Development (Mason LD) as being in conformance with the approved site plan. As-built civil drawings shall be provided in both PDF and CAD format. They may be submitted for a portion of a site, provided it constitutes a logical entity, subject to the approval of Mason LD.

As-built civil drawings must show the information specified in [Construction and Professional Services Manual \(CPSM\)](#) and [Mason's Design Standards Manual](#). In addition, the following information are required to be included where applicable:

1. A statement of certification by a Virginia licensed professional engineer or land surveyor certifying that the as-built drawings represent actual conditions on the site for those items, and bearing the engineer's or surveyor's seal, signature and Virginia registration number on the cover sheet. Statement of certification states that "The as-built information hereon is the result of a field run survey completed on XX/XX/XXXX. I hereby certify that the as-built information as shown hereon is correct."
2. Each as-built sheet shall be signed, sealed and dated.
3. All dimensions and elevations shown throughout the as-built plan which vary from the approved plan shall be shown next to the approved dimension, with the original dimension shown as a "strikethrough." *Example: ~~14.9~~ ft. 15.1 ft.* or with as-built elevations inside a rectangular box.
4. Size and scale of the as-built plan must be at the same size and scale as the original approved site plan.
5. As-built spot elevations sufficient to verify compliance with approved slopes and grades.
6. Show locations of all storm sewer, storm water management facilities, sanitary sewer lines and mains, water lines and mains, fire hydrants, other utilities and associated easements. Dimensions, recorded deed book, and page numbers of the easements must be shown on the as-built plan. Include a copy of each recorded easement plat and deeds.
7. Show all storm sewer pipes, ditches and structures with materials, sizes, lengths, slope, inverts (in and out), and top elevation of structures. Include profiles and details of structures. Enclose a copy of closed circuit television (TV) test report for storm sewer systems if required.
8. Show as-built information of all provided Best Management Practice (BMP) and storm water management facilities such as detention ponds, bio-retentions, porous pavers, grass swale, green roof, etc. Provide information such as contour lines (max. 2-foot interval), storage capacity, dimensions, orifice size, inlet/outfall size, and elevations of top of embankments, toes of embankments, weirs, spillways, access roads, fencing, etc. where applicable.
9. Copies of the licensed professional's certification that the stormwater and best management facilities was constructed in accordance with the approved plans and specifications. Copies of all material delivery tickets, certifications from the material suppliers and the results of tests and inspections shall be submitted with or incorporated in the as-built drawings.

10. Provide a copy of the recorded BMP maintenance agreement for all provided BMP facilities as applicable.
11. Provide manufacturer's certificate of final inspection for prefabricated BMP facilities such as underground detention, pipe/vaults, control weir/orifice, oil-grit separator, storm filter, bio-media filters, etc.
12. Any additional information as deemed necessary by Mason LD to demonstrate compliance with the approved site plan.