
DATE: December 2, 2020
TO: Paul Zachary, Engineering Services Department Director
FROM: Henry Som de Cerff, Design Manager
SUBJECT: New Section 334 – Construction As-Built

The Specification Review Committee recommends and asks the Engineering Services Department Director to approve the following:

1. New Section 334 – Construction As-Built

Please call me at (918) 596-7355 if you have any questions.

Thank you.

APPROVED:



Paul Zachary, Director

Date

Cc: Engineering Services Department Specification Review Committee

PART 334 – CONSTRUCTION AS-BUILT

334.1 This work maintaining an accurate set of as-built documents on site.

334.2 CONSTRUCTION METHODS

At the end of each day work accomplished shall be updated on the as-built plans. The Contractor shall dimension from two permanent points of reference, building corners, sidewalk, or road intersections, etc., the location of the following:

- a) Changes to the horizontal and vertical alignments as shown on the original Contract Plans
- b) Stations or equations that have been introduced or revised during construction
- c) Intersection and crossover details that have been modified or relocated
- d) Inlets, manholes, box culverts, and end walls that were added, relocated, revised, or deleted
- e) All sidewalk that was modified, and all curb and gutter, and shoulder gutter that was added, revised, or deleted
- f) All driveways that were not shown on the original Contract Plans, or were shown but are no longer in existence, or were otherwise modified
- g) All ditch locations and grades that were adjusted during construction
- h) Changes in fencing items, including gate location
- i) Sign locations changed and pavement markings that were modified
- j) All signal details that changed during construction
- k) All Bridge, Approach Slab, and Lighting details that are different from the actual construction
- l) Bench Marks (BM) and their descriptions that were set during construction shall be added to the profile portion of the Plan Sheets
- m) All utility relocates and/or conflicts shall be reflected on the Contract Plans, complete with station/offset/elevation and/or Northing/Easting/elevation on:
 - 1) Water: Spot elevations on the main water line relative to finished grade shall be provided at each 100-ft interval and at all valves, fittings, fire hydrants (top of nut) and other appurtenant items. Spot elevations on water meter cans, vaults shall be shown with proper description (meter type, meter size, meter number, service material, service size).
 - 2) Wastewater: Spot elevations on the main sewer line relative to finished grade shall be provided at each 100-ft interval and at all rim, flowline inverts (in/out), and service connections.

- 3) Stormwater: Spot elevations on the main stormwater line relative to finished grade shall be provided at each 100-ft interval and at all rim, flowline inverts (in/out), curb inlets, and grates.

Before the final inspection, the Contractor shall deliver to the Engineer one copy of the as-built documents to review. Delivery of this set of documents does not relieve the Contractor of the responsibility of furnishing required information that may be requested by the Engineer. The Contractor shall make corrections noted and submit final as-built documents to the Engineer for approval and acceptance. The Engineer will not certify payment requests or make final payment if as-built documents are not current or complete.

334.3 PAYMENT: Payment for construction as-builts in accordance with the following:

- a) 20 percent when 25 percent of the contract work is completed
- b) 20 percent when 50 percent of the contract work is completed
- c) 20 percent when 75 percent of the contract work is completed
- d) 40 percent when the Resident Engineer verifies that all construction features have been properly as-built and redlines received from the Contractor, and the Engineer has accepted the as-built documentation.