

ROADWAY AND STORM DRAIN AS-BUILT CHECKLIST AND INSTRUCTIONS

As-built record drawings are required for water, sewer, roadway, and drainage plans. **Final plats are not signed, nor are certificates of occupancy issued for buildings, until as-builts and all certifications are received and approved.** Use the following PROCESS and CHECKLIST in preparing as-built plans.

PROCESS

- I. Submit all as-builts to the address above including:
 - 1 – Paper set (for review only)
 - 1 – Pdf (for review only)
 - 1 – Pdf (final)
 - 1 – Autocad (final)
 - 1 – Completed and Sealed As-Built Checklist

- II. Plans are reviewed by Lancaster County. Approval requires the following:
 - Proof rolls for streets
 - Final inspection stormwater infrastructure

AS-BUILT CHECKLIST

As-builts must be submitted prior to issuance of a final plat approval or building certificate of occupancy. The following checklist must be attached to each set of as-builts submitted for approval. Each blank must be initialed by the applicant as being included on the as-builts or marked N/A if not applicable to the project. All plan sheets must be 24" X 36" and be accompanied by a PDF set. Lettering shall be bold, clear and a minimum of 1/8" in height. All applicable information listed below must be included on all as-built drawings.

1: AS-BUILT GENERAL INFORMATION:

- A Project Name: _____
- B Project Address: _____
- C Submitted by: _____ Phone: _____
- D (Please check)
 - (1) Paper Set with PDF for Review Only
 - (2) PDF (Final)
- E Transmittal Date _____
- F **Note: Each sheet must include the Engineer's Seal that it is an As-Built drawing of the section that is shown.**
- G When the County has accepted the plans (with signatures), provide the following items to the County for recordkeeping: One full sized paper set of plans (with signatures), and Electronic files: AutoCAD files (version 2002 or later) or compatible of each sheet. This electronic file shall include the name of the project, the County's Project Number, name of the engineering firm providing the file.

2 : SITE DATA: Page# _____

At the minimum, all as-builts shall provide the following information:

- A Acreage in total tract
- B Total linear footage of infrastructure chart, Page# _____
 - (1) _____ Streets (List individually in lengths)

- (2) [] _____ Number of fire hydrants
- (3) [] _____ Other (Any additional appurtenances)

3 : GENERAL INFORMATION: Page # _____

- A [] Copy of recorded plat or deed of property, indicating easements and right of way
- B [] Boundary of tract by courses and distance with references
- C [] Tie to S.C. grid coordinate system [See State Plane Coordinate Checklist]
- D [] _____ scale vicinity map
- E [] Scale of drawings and bar scale
- F [] North arrow
- G [] Location of benchmark with M.S.L. elevations
- H [] Seal and signature of South Carolina registered P.E. or R.L.S. on each sheet that performed as-builts
- I [] All easements identified and dimensioned
- J [] Statement designating drawings are "as-built" on each sheet

4 : STREETS (Public or Private): Page # _____

- A [] Horizontal alignment with radii, P.C.'s, and P.T.'s of all curves
- B [] Vertical alignment with centerline grades, vertical curve lengths and station and elevation of all PVC's and PVT's and centerline profile.
- C [] Dimensioned right of way and street widths
- D [] Pavement section
- E [] Typical cross section
- F [] Show all sight distance easements

5 : STORM DRAINAGE: Page # _____

- A [] Ditches, swales, pipes and drainage easements adjacent to the project shown.
- B [] Any stormwater lines shall include the following information (at a minimum): pipe size, length of line, slope of line, type of pipe and distance from near property line.
- C [] Display size and location of existing culverts, storm drains and other drainage features within the street or within the right-of-way of streets or roads adjoining the tract.
- D [] Need to show type, size and location of stormwater best management practice(s).
- E [] Permanent drainage easements shown and labeled for storm sewers and ditches outside of the streets where the system is maintained by the County or Private.
- F [] Details of Stormwater management device agreements and any or private drainage easements shall be noted.
- G [] Need to show 20 foot drainage easement along drainage system (10 foot either side of drainage system).
- H [] Need to show location of all drainage structures including type of structure (frame, grate, and box, and drop inlet). Need to show all elevation including top of structure and pipe(s).
- I [] Need to show location of all drainage ditches. In addition, need to show typical drainage ditch section.
- J [] Headwall or flared end dimensions and elevations need to be shown as well as the pipe invert.
- K [] Indication of direction of flow (flow arrows).
- L [] Certification by professional engineer registered in South Carolina that the ditch soil compaction meets city specifications.
- M [] Profiles are required for all public and private storm drainage systems.
- N [] Show Water and Sewer Utilities (shaded in background)
- O [] If as-builts vary from design, Lancaster County may require revised calculations to be submitted.

AS-BUILTS CERTIFICATION

All construction has been completed in accordance with the construction drawings, and applicable County standards and ordinances. Any and all deviations from the approved plans are shown on the attached as-built and have been certified by an engineer to be true and correct.

Place Engineer Seal Here	Date: _____ Name _____ Company _____ Address _____ City & State _____ Phone # _____
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--Developer's Certification that the installation of work has been completed free of any and all liens or encumbrances.

--Developer shall deliver satisfactory lien waivers from all contractors, subcontractors or materialmen performing work or delivering materials to be used.

--Developer shall deliver an assignment, signed by the contractor and developer and in a form and content satisfactory to the County, assigning all of the contractor's warranties to the County.