

Appendix K- Engineering Submittal Checklist

General

All road plans submitted in conjunction with a Final Plat shall be prepared in accordance with the requirements of this Appendix.

Signature and Seal of Engineer Required

Road plans must be prepared by a Registered Professional Engineer and bear his signature, seal and the date.

Minimum Data Required

Road plans must be complete in all respects and must include at least the following minimum data:

- A. Plan and profile (to suitable scale) of all roads to be improved.
- B. Cross sections (to suitable scale) at 100 foot (minimum).
- C. Size, length and invert elevation of all drainage structures.
- D. Plan and profile (to suitable scale), cross-sections (if appropriate) and typical section of all off-site drainage within 300' and all on site drainage in drainage easements.
- E. Typical road section or sections as appropriate.
- F. Details of all structures and special construction of any nature.
- G. Typical or specific details at road intersections, cul-de-sacs, "T" turn arounds, etc.
- H. Road construction and maintenance easements, drainage easements and lot lines are to be shown on the road plans as well as on the Final Plat.
- I. The road plans shall be prepared to the same topographic datum as the Tentative Plat, and a permanent bench mark shall be clearly noted on the plans.
- J. Street lighting should be provided as required in Section 1627.7.
- K. The planting of street trees is required per Landscape Code.
- L. Wetland Report.
- M. Engineering Report – signed and sealed.
 - 1. Narrative.
 - 2. Mapping – USGS, FIRM, NWI and ADID.
 - 3. Detention calculations.
 - 4. Floodplain calculations.
 - 5. Overland flow calculations.
 - 6. Storm sewer calculations.
 - 7. Inlet spacing calculations.
 - 8. Supporting calculations – T_c, basin volume, restrictor and weir.
 - 9. Supporting exhibits – tributary area and overland flow path cross sections.

Cost Estimate, Security and Preconstruction Requirements

- A. A Final Plat has been approved by the Board of Trustees and is recorded.
- B. Letter of Credit has been received in the amount approved by the Village Engineer as set forth in Appendix M.
- C. The contractor's Certificate of Insurance is on file with the Village Engineer. The certificate shall include "the Village of Spring Grove, its employees and its Village Engineer as additional insured".
- D. A pre-construction conference is held between the developer, contractor, design engineer, Village Engineer, Public Works Director and Building Inspector. The developer, contractor and sub-contractors must signoff on the pre-construction checklist prepared by the Village Engineer as set forth in Appendix V.

Good Engineering Practice and Compliance with Ordinance Required

Review and approval of road plans does not relieve the design engineer of the responsibility for an adequate design in accordance with good engineering practice and meeting the requirements of this Ordinance.