

APPENDIX D

ENGINEERING REPORT CHECKLIST

D-1 General

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

D-2 Signature and Seal of Engineer Required

Road plans must be prepared by a registered professional engineer and bear his signature, seal and the date.

D-3 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. (Calculations must be furnished to justify all structures 24 inches and larger.)
- D. Plan and profile (to suitable scale), cross-sections (if appropriate) and typical section of all off-site drainage within 300 feet 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 604.9.
- K. The planting of street trees is required per Section 604.8.

L. Sidewalks may be required as per Section 604.10.

D-4 Cost Estimate, Security and Preconstruction Requirements

A complete and detailed estimate of cost, prepared and signed by a Registered Professional Engineer, must accompany the road plans. A certificate of insurance shall be filed with the Village. A preconstruction conference with the representatives of the developer and the Village will be required before the contractor proceeds with construction.

D-5 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.