

APPENDIX D ENGINEERING PLANS

D-1 GENERAL.

All engineering documents 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.

Engineering documents must be prepared by a Registered Professional Engineer and bear his/her signature, seal and the date.

D-3 MINIMUM DATA REQUIRED.

Engineering documents must be complete in all respects and must include at least the following minimum data:

- A. Plan and profile (to suitable scale) of all proposed roads, watermains, storm sewers and sanitary sewers.
- B. Cross sections (to suitable scale) at 100 foot (minimum) if required by the Village Engineer.
- C. Size, length, grade of sewer pipes and invert elevation of all structures. (Calculations must be furnished).
- D. Plan and profile (to suitable scale), cross sections (if appropriate) and typical section of all off-site drainage within 300 feet if required by the Village Engineer 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. Overland and lot grading shall be provided.
- H. Road construction and maintenance easements, watermain, sanitary sewer and drainage easements and lot lines are to be shown on the engineering plans as well as on the Final Plat.
- I. The engineering 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 shall be provided as required in Section 4-7-5.
- K. The planting of street trees as required per Section 4-12.
- L. Street signage shall be as required in Section 4-7-6.
- M. Sidewalks/Bike Paths may be required.

D-4 COST ESTIMATE, SECURITY AND PRECONSTRUCTION REQUIREMENTS.

A complete and detailed estimate of cost, prepared and signed by a Licensed Professional Engineer, must accompany the plans.

A certificate of insurance shall be filed with the Village naming the Village and its officials, agents, and employees as additional insureds.

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 engineering 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.

The references at the end of this Ordinance list the design standards for this Ordinance.

Sanitary sewer and appurtenances design shall be in accordance with rules, regulations, ordinances and standards of the Lake in the Hills Sanitary District.