Albemarle County Engineering
General Construction Notes for Public Roads

1. Prior to any construction within any existing public right-of-way, including connection to any existing road, a permit shall be obtained from the Virginia Department of Transportation (VDOT). This plan as drawn may not accurately reflect the requirements of the permit. Where any discrepancies occur the requirements of the permit shall govern.

2. Construction inspection of all proposed roads within the development will be made by the County. The contractor must notify the Department of Engineering (296-5861) 48 hours in advance of the start of construction.

3. All materials and construction methods shall conform to current specifications and standards of VDOT. All excavation for underground pipe installation must comply with OSHA Standards for the Construction Industry (29 CFR Part 1926).

4. Erosion and siltation control measures shall be provided in accordance with the approved erosion control plan and must be installed prior to any clearing, grading or other construction.

5. Upon completion of fine grading and preparation of the roadbed subgrade, the contractor shall have CBR tests performed on the subgrade soil. Three (3) copies of the test results shall be submitted to the County. If a subgrade soil CBR of 10 or greater is not obtainable, a revised pavement design shall be made by the design engineer and submitted with the test results for approval.

6. All slopes and disturbed areas are to be fertilized, seeded and mulched. The maximum allowable slope is 2:1 (horizontal:vertical). Where reasonably obtainable, lesser slopes of 4:1 or better are to be achieved.

7. Surface drainage and pipe discharge must be retained within the public right-of-way or within easements prior to acceptance by VDOT. All drainage outfall easements are to be extended to a boundary line or a natural watercourse. The contractor shall field verify the length of all storm drainage pipe.

8. Guardrail locations are approximate. Exact length, location and appropriate end treatments will be field determined at the time of construction. Additional guardrail may be required at locations not shown when, in the opinion of VDOT, the Director of Engineering, or the Director=s designee, it is deemed necessary. When guardrail is required, it shall be installed four (4) feet offset from the edge of pavement to the face of guardrail, and roadway shoulder widths shall be increased to seven (7) feet.

9.   Where urban cross sections are installed, all residential driveway entrances shall conform to VDOT CG-9(A,B or C).

10.   Where rural cross sections are installed, all residential driveway entrances shall conform to VDOT standard PE-1.

11.   Paved, rip-rap or stabilization mat lined ditch may be required to stabilize a drainage channel when, in the opinion of VDOT, the Director of Engineering, or the Director=s designee, it is deemed necessary.

12.   A minimum clear zone of ten (10) feet from the edge of pavement shall be maintained on all residential subdivision streets. Additional clear zone may be required depending on the category of road design.

13.   Compliance with the minimum pavement width, shoulder width and ditch sections, as shown on the typical pavement section detail, shall be strictly adhered to. The cross slope shall be maintained as shown on the plans. Exceptions will not be allowed.

14.   All required signs (stop, street name, speed limit signs, etc.) are to be furnished and installed by the developer prior to acceptance Signs and their installation shall conform to "Albemarle County Road Naming and Property Numbering Ordinance and Manual" and the Virginia Manual for Uniform Traffic Control Devices. The locations of all signs are shown on the plans. The developer shall be responsible for maintenance of the signs until the roads have been accepted into the state secondary road system. The speed limits to be posted on speed limit signs are to be determined by VDOT prior to acceptance. The speed limit is to be posted 5mph below the design speed.

15.   Road plan approval is subject to final subdivision plat validation. Should the final plat for this project expire prior to signing and recordation, then approval of these plans shall be null and void.

16.   Traffic control or other regulatory signs or barricades shall be installed by the developer when, in the opinion of the Director of Engineering, or the Director's designee, they are deemed necessary in order to provide safe and convenient access.

17.   Use VDOT standard CD-1 or CD-2 underdrains under the subbase material at all cut and fill transitions and grade sag points.

18.   A video camera inspection is required for all storm sewers and culverts that are deemed inaccessible to VDOT inspections and are to be accepted into VDOT's maintenance program and ownership. The video inspection shall be conducted in accordance with VDOT's video camera inspection procedure and with a VDOT and/or County inspector present. In addition, if high-density polyethylene (HDPE) pipe or pipe system is installed, the contractor and a representative from the pipe manufacturer should hold a pre-construction meeting for installation training. The pipe manufacturer should spend a

minimum of two hours on the job site during the initial pipe installation.