

SECTION 4 - CONSTRUCTION AND INSPECTIONS

All construction within the existing or proposed County right-of-way shall be inspected and approved by the Department of Public Works or the VDOT, when in right-of-way maintained by VDOT.

Unless otherwise specified on the approved construction plans or road permits, all materials, construction methods, installations, specifications, and standards shall conform to the latest edition of the VDOT Road and Bridge Specifications and Standards.

A minimum of 24 hours in advance notice shall be required on all construction inspection requests. Depending on the scope of work, additional advance notification may be required.

4-1 Materials

All materials shall be in accordance with the VDOT Road and Bridge Specifications and Standards. Concrete, asphalt concrete and aggregate shall be obtained from VDOT approved plants and quarries and shall be produced in accordance with VDOT approved mix designs. When ordering materials, specify material approved by VDOT.

4-2 Drainage

All storm drainage facilities installed in right-of-way and/or easements, must be inspected and approved by the Department of Public Works.

No backfilling is permitted on any pipe installation until it has been inspected and approved by the Department of Public Works.

Vertical and horizontal alignment shall be verified visually or with the aid of mirrors to insure that the alignment is true and no pipe is misplaced.

All storm sewer pipes shall be flushed and thoroughly cleaned prior to a final inspection.

Any field revisions affecting the drainage design, location, and type of construction of structures shall be approved, in writing, by the Department of Public Works Design

Division, and sent to the field as a plan revision. No drainage work of any kind shall be allowed without approved construction plans.

4-3 Roads and Streets

All roads and streets shall be constructed in accordance with the approved construction plans. The Department of Public Works shall inspect the subgrade prior to any stone installation to evaluate the existing conditions as set forth in the Pavement Design Section of this Manual. The Department of Public Works will perform all soils work necessary to verify pavement sections as approved. Soil test results are available in approximately 10 days. It is the owner's responsibility to schedule work based on this time frame. Should a revision be required to the pavement design because of the soil conditions, the Department of Public Works will determine the appropriate adjustments to the minimum pavement design requirements or the owner's engineer may submit a revised pavement design for review and approval. The Department of Public Works will work with the owner and engineer to determine a suitable solution and any appeals will be handled as stated in Section 1-4 of this Manual. Prior to paving, stone grade and density checks will be performed by the Department of Public Works. The results of these checks must meet VDOT requirements.

4-4 Final Inspections

All final inspections will be scheduled at least 48 hours in advance. It is the responsibility of the owner to have all necessary persons in attendance at the final inspection. When the final inspection is complete, a written punch list will be sent to the owner and the contractor. Once all punch list items are complete and the necessary defect bond posted, the Department of Public Works will prepare the required documentation to recommend acceptance of the road into the County road system.