

ALABAMA DEPARTMENT OF TRANSPORTATION
PROCEDURE FOR EVALUATION AND MAINTENANCE OF

LIST II-26

PREFABRICATED VERTICAL DRAINS

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| 1. | Material: Prefabricated Vertical Drains (PVD, Vertical Drainage Wicks, Wick Drains) | 7.1 | Produce the same quality of material as the material supplied for the original evaluation. |
| 2. | Specification: Section 239 | 7.2 | Provide only approved products to Department projects. |
| 3. | Jurisdiction: Product Evaluation Board, Geotechnical Division, Soils Laboratory | 7.3 | Promptly report to the Department any changes in company name, product name, company address or company ownership. |
| 4. | Job Acceptance Requirements: No job control samples necessary if the product works satisfactorily. | 7.4 | Notify the Department of any changes in production of the product. Any alteration that will change the product physically or chemically will require a reevaluation of the product. |
| 5. | Project Engineer's Responsibility: Check and assure that the materials are on the approved list. | 7.5 | Furnish certified test reports covering all materials used in the construction of the PVD. |
| 6. | Producer's Initial Requirements:
Companies wishing to have products evaluated for placement on this list should furnish the Department's Product Evaluation Board with the following: | 8. | Laboratory Testing: The producer shall submit certified test reports which indicate that the PVD materials meet the following Minimum Average Roll Value (MARV) requirements per the indicated ASTM test designation: |
| 6.1 | Submittal according to Department procedure ALDOT 402. | 8.1 | Non-Woven Geotextile Properties:
Grab Tensile ASTM D4632 100lbs
Trapezoidal Tear ASTM D4533 50lbs
Puncture Strength ASTM D4833 40lbs
Burst Strength ASTM D3786 130 psi
Permittivity ASTM D4491 0.5 sec ⁻¹ |
| 6.2 | Submittal and testing fees according to Department procedure ALDOT 355. | 8.2 | Core Properties:
Tensile Strength ASTM D638 100lbs |
| 6.3 | Submittals should be sent to:

ALDOT Product Evaluation Board
Bureau of Research and Development
3704 Fairground Road
Montgomery, AL 36110 | 8.3 | Composite Drain Properties:
Discharge Capacity at 1.45psi
ASTM D4716 1.5gpm |
| 7. | Producer's Maintenance Requirements:
Companies with products on this list will be expected to comply with the following to stay on the list: | 8.4 | The Department will check all data submitted for the product to assure compliance with the Department's specifications. |

9. **Contractors' Requirements:** The prime contractor will be responsible for purchasing and using only approved products.

10. **Removal of Products:** Products may be removed from this list for any of the following:
 - 10.1 Mislabeling products or substitution of products other than those originally submitted.
 - 10.2 Failure to comply with any of the Department's requirements for this type of material.
 - 10.3 Failure to work satisfactorily on the job.

11. **Correspondence:** All correspondence concerning this list should be directed to the following:

ALDOT Product Evaluation Board
3704 Fairground Road
Montgomery, AL 36110