

§IA512.21 Evaluation procedures.

(a)(7) The SCS technician will check pipe delivered to the job for dimensions, damage and required thickness of asphalt coating.

(b)(1) Used seamless and welded steel pipe may be accepted if inspected by the SCS and found to be in good condition. All pipe under this section must have the following minimum wall thickness:

<u>Diameter</u>	<u>Minimum Thickness</u>
4" - 16"	1/4"
18" - 26"	9/32"
Over 26"	3/8"

(d)(4) Certification is required for all materials unless waived in accordance with §512.22. Form SCS-AS-93 may be used for this purpose. Typical test results must be attached unless the material is on the prequalified list. The certification should sufficiently identify the material furnished if it is on the prequalified list. Certification is not required for materials on the prequalified list for Class I through IV jobs.

(5) Drain Materials

(i) Tests will be required at least once every three years for prequalification of clay, concrete, and corrugated plastic drain materials. A representative of the laboratory selected for testing will select random samples of all tile or tubing sizes that the manufacturer wishes to have tested. A test will be required for each size produced for which certification/prequalification is desired. Clay and concrete tile selected for testing will represent tile ready for shipment. The laboratory will conduct complete tests as required by the following:

Clay drain tile	ASTM C-4
Concrete drain tile	ASTM C-412
Corrugated polyethylene drainage tubing	ASTM F-405 and SCS Standard 606
Corrugated PVC tubing	SCS Standard 606

Should the drain materials first selected fail to conform to the appropriate specifications, there may be one retest in accordance with these specifications.

(ii) The testing laboratory will submit a report of the test results to the manufacturer and to the State Conservation Engineer. The laboratory test reports must include a statement which identifies (1) the employee of the testing laboratory who selected the samples for testing, (2) date that the samples were selected, (3) that the samples were selected in accordance with procedures specified in the applicable specification, and (4) the color of corrugated plastic tubing. Laboratory test reports that do not contain this information will not be accepted by the Soil Conservation Service. All costs associated

PART 512 - CONSTRUCTION

IA512.21(d)(5)(ii)

with the selection of samples, testing, and preparation of the laboratory report will be paid by the manufacturer.

(iii) The SCS technician shall make careful inspection of all materials delivered to the site prior to installation. Where clay or concrete tile show signs of excessive weathering, all tile should be given the "ring" test. Unacceptable materials should be rejected. Rejection of more than one batch of material from a single manufacturer will be cause for retesting. When the SCS technician questions the quality of drain materials delivered to the job, he may require the landuser to have tests made as a condition to approving the job.

(iv) Drain materials prequalified under this procedure must be marked to identify the manufacturer and to indicate compliance with appropriate specifications and the class (quality) of the material. If materials cannot be marked by one of the following methods, tests will be required each year:

- (A) Imprint the information on the wall of the product, or
- (B) A tag attached to palletized material, or
- (C) A statement on the invoice and/or bill of lading for each job certifying the required information.

(6) Corrugated metal pipe.

(i) The pipe manufacturer/fabricator will submit the following to the State Conservationist annually:

- (A) A list of corrugated sheet manufacturers whose sheets are used by the fabricator.
- (B) A copy of the Sheet Manufacturer's Certified Analysis and Guarantee for galvanized steel, aluminum, and polymer coated sheets.
- (C) Certificate of analysis for asphalt coating compound.

[1] The Certificate of Analysis for asphalt coating compound shall be made by the compound manufacturer. The certificate shall indicate results of the following tests in compliance with AASHTO Designation M-190:

- Solubility
- Penetration
- Loss on Heating
- Shock
- Flow

§IA512.23 Prequalification of materials. The State Conservationist will issue lists of prequalified materials. Each list will remain in effect until cancelled or superseded.