

QUALIFIED PRODUCTS POLICY FOR SOURCES OF
COQUINA SHELL BASE MATERIAL (QUALIFIED PRODUCTS LIST 4)

SCOPE

In general, this policy is set forth to provide guidelines by which sources of coquina shell base material will be inspected, sampled, tested and qualified for use in SCDOT work. The requirements of the SCDOT's Standard Specifications for Coquina Shell Base Course will apply unless otherwise superseded.

GENERAL

This policy is not intended in any way to imply that the SCDOT will become a prospecting and consulting agency for coquina shell base sources. The responsibility for locating coquina, determining the quality of the material, and developing the source rests solely with the owner. The only interest of the SCDOT is that the best materials available are used in the construction and maintenance of South Carolina's highways.

SOURCE INSPECTIONS

At least once annually, each established coquina shell base source will be inspected. Some sources could be inspected more than once within a year. New sources will be inspected upon written request to:

G. Michael Lockman, P. E.
SCDOT Office of Materials and Research
PO Box 191
Columbia, SC 29202
(803) 737-6692 FAX: (803) 737-6649

During the inspection, a qualified representative from the SCDOT Office of Materials and Research (OMR) who is familiar with coquina shell base will meet with the owner/developer or their representative. The following will be accomplished during the inspection:

- discuss specifications and changes since last inspection.
- review test results and any problems with material during the previous year.
- discuss owner's/developers's plans for continued operations.
- inspect pit, processing operations and stockpiles.

SOURCE SAMPLING

At least once annually a sample of coquina shell base will be obtained from each established source by a qualified representative of the Office of Materials and Research. Usually, this sample will be taken at the same time the annual inspection is conducted. When deemed appropriate by the Materials and Research Engineer, source samples may be obtained at times other than the annual inspection.

Source samples will be obtained from stockpiles of processed materials for established coquina shell base sources. Initial samples of new coquina sources may be obtained from the pit area if stockpiles have not been built and provided that the owner/developer has adequate equipment to

obtain large quantities from the pit and the material does not have to be processed to meet gradation requirements.

TESTING OF SOURCE SAMPLES

All source samples will be submitted to the SCDOT Office of Materials and Research for testing. The tests to be conducted on all coquina source samples are as follows:

"The Coquina Shell Base shall have a California Bearing Ratio when Tested at 100% SC-T-140 Density of Not Less Than 55. The material shall contain not less than 45% of calcium carbonate content equivalent. The Coquina Base shall all meet the following:

<u>Sieve Designation</u>	<u>Percentage by Weight Passing</u>
3 1/2"	100
No. 200	5 min. / 30 max.
Liquid Limit	30 max.
Plasticity Index	6 max.

The amount passing the No. 200 sieve shall be determined by AASHTO Test Method T 11."

New sources of coquina should be tested by a private consulting laboratory at the owner's/developer's expense to determine the quality of the material. These test results will be made available to the SCDOT upon request.

QUALIFICATION OF COQUINA SOURCES

Sources of coquina shell base material will be qualified for use by the SCDOT if they meet the following criteria:

- the owner/developer has shown "good faith intent" to properly process and market a good quality product.
- the material meets the quality criteria set forth in this policy.

Qualified sources of coquina will be listed in the SCDOT's Qualified Products List (Qualified Products List 4) which are published each year.

Appearance in the Qualified Products Listings does not preclude testing of the material immediately before and during use in SCDOT projects. Acceptance testing will be done at the time coquina is incorporated into the work.

Sources of coquina shell base will be removed from the Qualified Products List when test results show the material will not meet the quality criteria set forth in this policy. Inadequate processing practices may also be grounds for removal of sources from the Qualified Products List. Any sources removed from the listings may be requalified for use in SCDOT work when the cause for removal is corrected.