

SPECIFICATIONS FOR AGGREGATE FOR WINTER SAND

950. 1 SCOPE

These Specifications govern all operations necessary for and pertaining to the production of aggregate for winter sand.

950. 2 MATERIALS

2.1 Source of Supply

The Contractor shall, at least ten days prior to the commencement of production, notify the Engineer as to the source of all aggregate to be used on the project.

At the request of the Contractor, the Department will test representative aggregate samples obtained from the source of supply. Each sample shall contain not less than 45kg and the Contractor shall assume all costs incurred in obtaining and transporting the samples to the Department's Testing Laboratory.

Test results for gradation and physical properties will be provided but will not constitute acceptance of material in the source of supply.

Prior to the production of aggregates, the source of supply shall be cleared, grubbed and stripped of overburden to an extent and in a manner satisfactory to the Engineer.

2.2 Aggregate Requirements

Aggregate shall consist of sound, tough and durable pebbles or rock fragments, sand, and fines free from sod, roots and other deleterious material.

Gradation analysis will be performed using A.S.T.M. test procedures.

The gradation and physical requirements shall be as follows:

Standard Sieves	Percent Passing
9.5mm sieve	100%
4.75mm sieve	80 – 95%
2mm sieve	50 – 75%
425um sieve	0 – 30%
75um sieve	0 – 8%

950. 3 STOCKPILING

The Specifications for Stockpiling Aggregate will be applicable in the stockpiling of winter sand.

No track type equipment shall be used to construct the stockpile.

950. 4 TESTING

4.1 Testing During Production

Winter sand will be subject to testing by the Engineer at the time the material is being produced and at the stockpile site.

Any material not meeting the required specifications shall be managed as directed by the Engineer. Rejected material shall be immediately moved either to the vicinity of the feed end of the crusher/screener for reprocessing or to an area completely removed from any approved aggregate.

Where tests indicate consistently uniform aggregate that is well within gradation limits, direct hauling from the crusher/screener to the final stockpile site will be permitted.

4.2 Testing Previously Prepared Aggregate

The Contractor may use winter sand aggregate that was prepared and stockpiled not under the terms of the Contract. In this event the Contractor shall, unless otherwise permitted, pass material uniformly over a belt to provide representative samples for testing. On the basis of the tests, the Engineer may permit the Contractor to haul the aggregate to the final stockpile location.

4.3 Sampling Device

Crushers/screeners shall be equipped with an approved mechanical sampling device.