

SECTION 117

AGGREGATES FOR GRANULAR BASES AND SURFACING

117.1 GENERAL REQUIREMENTS

A. General

The aggregate for granular bases and surfacing shall consist of sound, durable particles of gravel and sand, with which may be included limited amounts of fine soil particles. The physical characteristics and quality of the materials shall conform to the specifications for the particular material required by the contract.

B. Related Work

Section 20 Granular Materials

117.2 SPECIFIC REQUIREMENTS

Aggregates for granular bases and surfacing shall be crushed limestone and shall conform to the requirements of Table 1.

TABLE 1

REQUIREMENTS	SUBBASE	GRAVEL CUSHION	¾" AGGREGATE BASE COURSE	1" AGGREGATE BASE COURSE	GRAVEL SURFACING
Processing Requirement.	Crushed	Crushed	Crushed	Crushed	Crushed
Passing 2 in Sieve	100%	100%	100%	100%	100%
Passing 1 in Sieve	70 – 100%	100%	100%	100%	100%
Passing ¾ in Sieve		100%	80 – 100%	80 – 95%	100%
Passing ½ in Sieve			68 – 90%	68 – 90%	
Passing #4 Sieve	30 – 70%	46 – 70%	42 – 70%	42 – 70%	50 – 78%
Passing #8 Sieve	22 – 62%	29 – 53%	29 – 53%	29 – 53%	37 – 67%
Passing #40 Sieve	10 – 35%	10 – 28%	10 – 28%	10 – 28%	13 – 35%
Passing #200 Sieve (1)	0 – 15%	3 – 12%	3 – 12%	3 – 12%	4 – 15%
Liquid Limit, Max.		25%	25%	25%	
Plasticity Index	0 – 6%	0 – 3%	0 – 3%	0 – 3%	4 – 12%
L.A. Abrasion Loss, Max.	40%	40%	40%	40%	40%

- (1) The fraction passing the No. 200 sieve shall not be greater than two-thirds ($2/3$) of the fraction passing the No. 40 sieve. In no case shall the upper limit specified for the No. 200 sieve be exceeded.

117.3 SAMPLING AND TESTING

Sampling	SD 201
Gradation.....	SD 202
Liquid Limit and Plasticity Index	SD 207
L.A. Abrasion Test.....	AASHTO T 96

117.4 METHOD OF MEASUREMENT &

117.5 BASIS OF PAYMENT

Measurement and payment of aggregates for granular bases and surfacing shall be in accordance with Section 20 of these Specifications.

END OF SECTION