

882.1 GENERAL REQUIREMENTS

The aggregate for granular bases and surfacing shall consist of sound durable particles of gravel and sand, may include limited amounts of fine soil particles, but shall be free of sod, roots, vegetation, wood, paper, metal, glass, and other foreign objectionable material. The physical characteristics and quality of the materials shall conform to the specifications for the particular material required by the contract.

882.2 SPECIFIC REQUIREMENTS

Granular material of which 30% of the particles retained on the No. 4 sieve shall contain one or more fractured faces.

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

TABLE 1

| REQUIREMENT | Subbase | Gravel Cushion | Aggregate Base Course | Limestone Ledge Rock | | Gravel Surfacing |
|-----------------------|-----------------|----------------|-----------------------|----------------------|----------------|------------------|
| | | | | Base Course | Gravel Cushion | |
| SIEVE | PERCENT PASSING | | | | | |
| 2" (50 mm) | 100 | | | | | |
| 1" (25.0 mm) | 70-100 | | 100 | 100 | | |
| 3/4" (19.0 mm) | | 100 | 80-100 | 80-100 | 100 | 100 |
| 1/2" (12.5 mm) | | | 68-91 | 68-90 | | |
| No. 4 (4.75 mm) | 30-70 | 50-75 | 46-70 | 42-70 | 46-70 | 50-78 |
| No. 8 (2.36 mm) | 22-62 | 38-64 | 34-58 | 29-53 | 29-53 | 37-67 |
| No. 40 (425 μm) | 10-35 | 15-35 | 13-35 | 10-28 | 10-28 | 13-35 |
| No. 200 (75 μm) | 0.0-15.0 | 3.0-12.0 | 3.0-12.0 | 3.0-12.0 | 3.0-12.0 | 4.0-15.0 |
| Liquid Limit Max | | 25 | 25 | 25 | 25 | |
| Plasticity Index | 0-6 | 0-6 | 0-6 | 0-3 | 0-3 | 4-12 |
| L.A. Abra. Loss, max. | 50 | 40 | 40 | 40 | 40 | 40 |
| Foot Notes | | 2 | 1,2 | | | |
| Processing Required | crushed | crushed | crushed | crushed | crushed | crushed |

FOOT NOTES:

1. The fraction passing the No. 200 (75 µm) sieve shall not be greater than 2/3 of the fraction passing the No. 40 (425 µm) sieve. In no case shall the upper limit specified for the No. 200 (75 µm) sieve be exceeded.
2. Requirements include quarried ledge rock.

882. 3 SAMPLING & TESTING

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|---|-------------|
| Sampling | SD 201 |
| Gradation | SD 202 |
| Liquid Limit and Plasticity Index | SD 207 |
| L.A. Abrasion Test | AASHTO T 96 |
| Crushed Particles..... | SD 211 |