

PART 1 - GENERAL

- 1.1 Related Work .1 Refer to other Specification Sections for related information.
- 1.2 Reference Standards .1 ASTM D698-91 (or latest edition) Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft) - Method C.
- 1.3 Measurement for Payment .1 Granular base will be measured in accordance with **Section 01 29 00**.

PART 2 - PRODUCTS

- 2.1 Materials .1 Granular Base: Material to **Section 31 05 17** and following requirements:
- .1 Crushed stone or gravel consisting of hard, durable, angular particles, free from clay lumps, cementation, organic material, frozen material and other deleterious materials.
- .2 Type 1 (previously Class "A") granular fill gradation will be within following limits:

ASTM SIEVE SIZE	% PASSING BY MASS
20 mm	100
14 mm	50 - 85
5 mm	20 - 50
0.16 mm	0 - 10
0.080 mm	0 - 7

PART 3 - EXECUTION

- 3.1 Inspection of Underlying Sub-Base .1 Do not place granular base until finished sub-base surface is inspected and approved by Departmental Representative.

Granular Base

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| 3.2 <u>Placing</u>                     | .1 | Place material only on a clean unfrozen surface, properly shaped and compacted and free from snow and ice.  |
|  | .2 | Place using methods which do not lead to segregation or degradation of aggregates.  |
|  | .3 | Place material to full width in a uniform layer to mm compacted thickness.  |
|  | .4 | Shape each layer to a smooth contour and compact to specified density before succeeding layer is placed.  |
| <br>                                   |    |   |
| 3.3 <u>Compacting</u>                  | .1 | Compact to density not less than 98% maximum dry density in accordance with ASTM D698.  |
|  | .2 | Shape and roll alternately to obtain a smooth, even and uniformly compacted base.   |
|  | .3 | Apply water as necessary during compacting to obtain specified density. If material is excessively moist, aerate by scarifying with suitable equipment until moisture content is corrected. |
|  | .4 | In areas not accessible to rolling equipment, compact to specified density with approved mechanical tampers.  |
| <br>                                   |    |   |
| 3.4 <u>Finish</u><br><u>Tolerances</u> | .1 | Finished base surface shall be within plus or minus 10 mm of established grade but not uniformly high or low.   |
|  | .2 | Correct surface irregularities by loosening and adding or removing material until surface is within specified tolerance.  |
| <br>                                   |    |   |
| 3.5 <u>Maintenance</u>                 | .1 | Maintain finished base in a condition conforming to this section until succeeding material is applied or until acceptance.  |
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PART 1 - GENERAL

- 1.1 Related Work
- .1 Refer to other Specification Sections for related information.
  - .2 Refer to **Section 01 33 00** for Shop Drawing/Submission requirements.
- 1.2 Submissions
- .1 Product Data/Samples:
    - .1 Provide samples of materials proposed for the work.
  - .2 Methodology:
    - .1 Provide methodology for carrying out the work.
  - .3 Provide submissions in accordance with **Section 01 33 00**.
- 1.3 Measurement for Payment
- .1 All classes of Nominal Clear Stone will be measured in accordance with **Section 01 29 00**.

PART 2 - PRODUCTS

- 2.1 Materials
- .1 Nominal Clear Stone
    - .1 Material to be a stone consisting of hard, durable particles, free from clay lumps, silt, cementation, organic material, frozen material and other deleterious foreign materials. Clear stone to be free from splits, seams or defects likely to impair its soundness during handling or under action of water.
    - .2 Specific gravity of not less than 2.65 when tested to ASTM C127-81 (AASHTO T85-88).
    - .3 50 mm Clear Stone gradation will be within the following limits:
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ASTM SIEVE SIZE	% PASSING BY MASS
50 mm	100
25 mm	35 - 45
12.5 mm	0 - 5

### PART 3 - EXECUTION

#### 3.1 Placement

- .1 Clear stone can be end dumped provided that no breakage of stone occurs. Any broken rock shall be removed at the contractor's expense.
- .2 Place clear stone at maximum density.

#### 3.3 Protection

- .1 Take into account anticipated weather conditions and degree of exposure of site in setting requirements for protection.
- .2 Schedule and carry out construction so that each phase of work is not left exposed longer than necessary.
- .3 The Contractor will be responsible to replace any lost due to storms, tidal erosion or by his own activities.