

GRANULAR BASE

1 General

1.1 RELATED WORK

.1 Coordinate the requirements of this section with all other sections, including but not limited to:

.1 Section 01410 Testing Laboratory Services

.2 Section 02210 Rough Grading

.3 Section 02511 Crusher Dust

.4 Section 02515 Unit Paving

.5 Section 02523 Miscellaneous Concrete

.6 Section 02552 Asphalt

1.2 QUALITY CONTROL

.1 **City of Saskatoon, Parks Branch** to approve granular base construction.

.1 Submit for granular base material before delivery to site:

.1 Name of supplier.

.2 One (1) litre sample of materials.

1.3 INSPECTION

.1 Notify **City of Saskatoon, Parks Branch** for inspection of:

.1 Granular base construction, before installation.

1.4 TESTING

.1 Granular base is subject to Contractor submitting product information from Supplier or completion of a sieve analyses, and compaction tests by an approved testing laboratory service.

2 Products

2.1 GRANULAR BASE AND PARKING LOTS

.1 Granular Base: Material requirements; sound, durable particles, free from clay, organic material and other deleterious matter.

GRANULAR BASE

- .1 Gradation within limits specified tested to ASTM C136. Sieve sizes to CAN/CGSB-8.1:

SIEVE	% PASSING BY WEIGHT	
	Granular Base	Parking Lots
25.0 mm	100	
18.0 mm	87 -100	100
12.5 mm	72 - 93	81 -100
5.00 mm	45 -77	50 - 80
2.00 mm	29 - 56	32 - 52
900 um	18 - 39	20 - 35
400 um	13 - 26	15 - 25
160 um	7 -16	8 -15
75 um	6 - 11	7-10

- .2 Biaxial Geogrid: Nilex woven geotextile #2002

3 Execution

3.1 LAYOUT

- .1 Establish and maintain line and grade controls using appropriate survey personnel and equipment.
 - .1 Contractor is responsible for layout accuracy.
 - .2 Provide ample clearance on all sides for proper execution of the Work.
- .2 Establish the layout and depth of the granular base required accurately per drawings or specifications.
 - .1 Contractor is required to stake layout of granular base areas and obtain approval, before placement start.

3.2 SUB GRADE PREPARATION

- .1 See Specification Section 02210 - Rough Grading.

3.3 GRANULAR BASE AND PARKING LOTS

- .1 Place geogrid per manufacturer's specifications.
- .2 Place granular material as specified for surface treatment to compacted thickness per drawings.
 - .1 Supply and place in lifts not exceeding 100mm compacted thickness.
 - .2 Do not mix base course with underlying materials.
- .3 Add and mix water to obtain optimum water content, if required.
 - .1 Control watering and rolling to prevent pumping of fine material to surface.

GRANULAR BASE

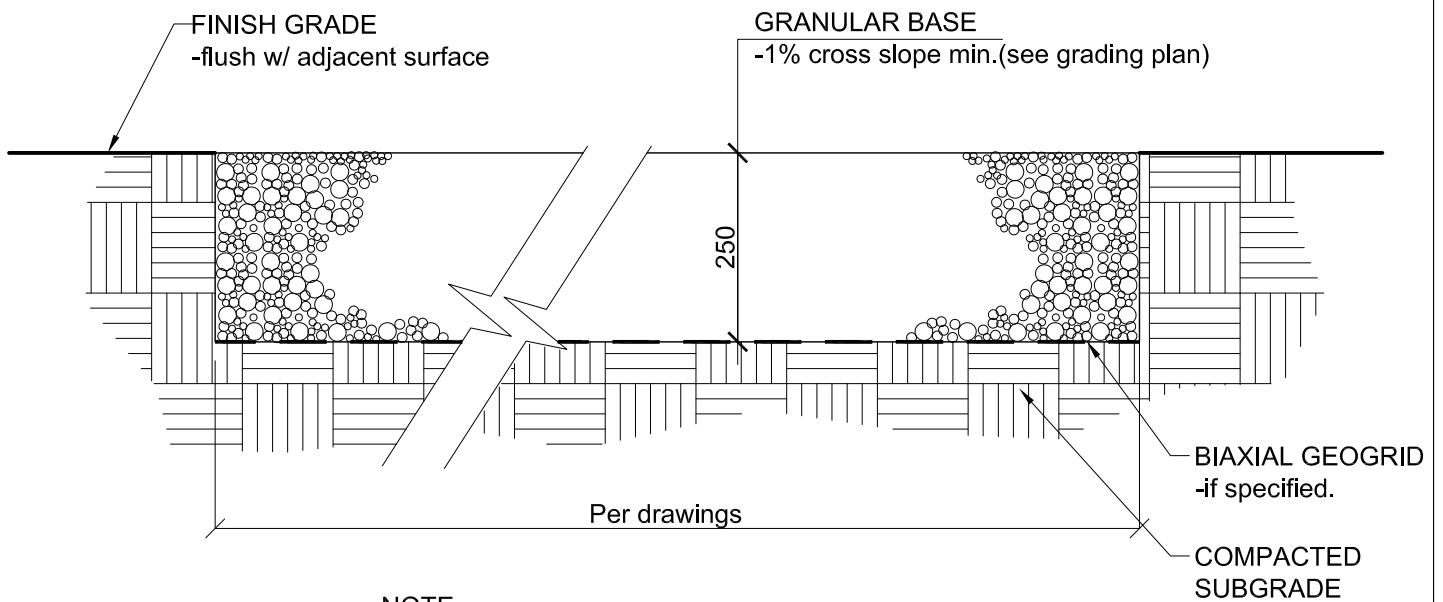
- .4 Compact and adjust water content to meet the following requirements:
 - .1 Density test results average is 100% of Standard Proctor Density.
 - .2 All individual test results greater than 98%.
 - .3 Water contents within the range of optimum water content plus or minus 1 percent.
- .5 Compact and shape surface to lines and grades specified.
 - .1 Completed, compacted, granular base surface must be free of ruts, irregularities and foreign material. Max. variation from design grades and adjacent finish grades is 15mm.
- .6 Protect granular base from topsoil contamination or other foreign material resulting from Work on adjacent areas.

3.4 CLEAN-UP

- .1 Clean adjacent walks and road surfaces at the end of each working day.

END OF SECTION

H:\Data\Design\PROJECTS\4209_Landscape\2-Master_Specs\Drawings\2012_Standard_Details_&_Specs\Drawings\2012_drawings\2012-2233-01_Granular_Parking_Lot.dwg



NOTE:
1. All units are in millimeters U.N.O.



Drawing Title
Granular Parking Lot

Drawn: HMK Checked: AO Date Y/M/D 09/11/24 Scale: 1:10

Drawing No.
02233-01

2012 Standard Detail