

501 MUNI CONSTRUCTION SPECIFICATION FOR COMPACTING

501.02 References

Add in the following:

OPSS 102 General Specification for Weighing of Materials

501.04 Design and Submission Requirements

Add in the following:

501.04.01 Notification of Placement of Material

The Contractor shall notify the General Manager in writing of their intent to place and compact material and submit laboratory testing results according to LS-706 at least 48 hours prior to the work.

501.05.02 Water

Add in the following paragraph:

The Contractor shall not use municipal hydrants as a source of water for compaction, dust control, or sod. Water may be obtained at one of the five bulk water loading stations located in the City. The Contractor shall pay for this water at the current rate established by the City.

501.07.04.01 General

Add in the following:

Granular and soils shall be compacted according to Method A and according to the field compaction requirements specified in Table A.

501.07.04.02 Method A

Delete the second and third paragraph and replace with the following:

Granular and soil materials which satisfies the Contract Document requirements shall be placed and compacted using the appropriate equipment to achieve the maximum dry densities provided in Table A.

Add in the following subsections:

501.07.04.02.01 Acceptance

Acceptance shall be based on the QC testing. The Owner may randomly verify the QC through QA testing. Should a discrepancy occur between the QC and QA samples, the QA samples shall govern.

501.07.04.02.03 Submission of Test Data

All field test results and information relating to target density, lot location, lift thickness, probe depth, moisture content, and wet density shall be recorded at the time of testing. All of this data shall be submitted to the City within 1 business day following the completion of a lot and prior placement of any subsequent lift using a form supplied by the City. Test results shall be reported on the Field Compaction Report form in Appendix B or another approved form which shall be signed and submitted to the City.

501.08 Quality Assurance

501.08.02 Method A

Add in the following:

The Owner reserves the right to request additional test locations for a specified construction operation at any time.

TABLE 1 Compaction Testing Requirements

Delete **Table 1 Compaction Lot Size** in OPSS 501 and replace with the following table:

Construction	Testing Frequency	Minimum Target Density (%SPMDD)
Earth backfill and embankments	Every lift, 15 m maximum length	95
Pipe/Culvert Bedding, Cover Material	Every lift, 15 m maximum length	98
Granular Backfill (utility structures, Culverts, Pipes, services)	Every lift, 15m maximum length	98
Granular Base, Granular Subbase, Granular Shoulders-Roadway (excluding curb, boulevards, sidewalks and driveways)	Every lift, 15m maximum length, per lane,	100
Granular Base, Granular Subbase, - curb, boulevards, sidewalks and driveways	Every lift, 15m maximum length	98
Granular B Type II	See NOTE 1	See NOTE 1
NOTE 1: Granular B, Type II shall be compacted using single drum, vibratory, smooth steel drum rollers, with a minimum static drum weight of 8 tonnes (8000 kilograms) and minimum operating dynamic force of 150 kilonewtons. One hundred percent roller pass coverage with a minimum number of four passes shall be provided. Each roller pass shall overlap the coverage of the preceding pass by a minimum of 0.5 m.		

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