

SECTION A2

GRAVEL

GENERAL

Gravel shall be used as backfill material in all trench excavations, rock excavations, miscellaneous trench excavations and any other location where specified herein, as called for in the appropriate pipe specifications, as shown on the plans or ordered by the Engineer.

Weight slips may be requested by the Engineer to verify the source of the Gravel. Such slips shall bear the name of the supplier, date purchased and the weight of the gravel. Such slips shall not be used as a method of measuring the gravel for payment.

MATERIAL

Gravel shall consist of inert material that is hard, durable stone and coarse sand free from loam and clay surface coatings, be well graded and contain no stone having any dimension greater than three (3) inches.

Gravel shall conform to the following requirements:

Passing 3 inch sieve.....	100%
Passing 1 1/2 inch sieve.....	70-100%
Passing 3/4 inch sieve.....	50-85%
Passing No. 4 sieve.....	30-60%
Passing No. 200 sieve.....	0-10%

New bank run or processed gravel is acceptable but must meet the above requirements and be processed by mechanical means. All processed gravel shall come from an approved stockpile. The equipment producing the processed gravel shall be of adequate size and with sufficient adjustments to produce the desired materials. The processed material shall be stockpiled in such a manner to minimize segregation of particle sizes.

CONSTRUCTION METHODS

Gravel refill shall be placed, spread and compacted as set forth in Section A1, Excavation and Backfill. Gravel shall not be placed on frozen ground.

MEASUREMENT AND PAYMENT

Item A2-1 Gravel C.Y.

The quantity of Gravel to be paid for shall be that quantity delivered to the site, or processed off-site, and used for backfill of excavations. Such quantity shall be measured, in place and compacted, by the cubic Yard. The Inspector shall make such measurements. Such measurements will be based upon the depth of normal trench excavation (or ordered Below Grade Excavation), the length of the trench and the width of the trench. Such trench width shall not exceed the limits set forth in Section A1, Excavation and Backfill, or as detailed on the plans. Where multiple pipes are laid in a common trench the amount of gravel measured for payment shall be for the total width of the common trench.

No payment shall be made for the re-use of any unprocessed excavated material including non-reportable material unless approved in writing by the Boston Public Works Department and the Commission Engineer. Approval is contingent upon the excavated material being passed through a sieve analysis by the Contractor at his expense. If the excavate conforms to the requirements of processed gravel as described in this specification he may request that the material be reused for trench backfill. No payment shall be made for the furnishing of Gravel to backfill any excavation done for the Contractor's convenience or excavations beyond the limits set forth in Section A1, Excavation and Backfill.