

SECTION 01270
MEASUREMENT OF QUANTITIES FOR UNIT PRICE WORK

1.1 THE REQUIREMENT

A. General

1. Unless otherwise specified, quantities of work shall be determined from measurements or dimensions in horizontal planes. However, linear quantities of pipe, piling, fencing and timber shall be considered as being the true length measured along longitudinal axis.
2. Unless otherwise provided in Specifications, volumetric quantities shall be the product of the mean area of vertical or horizontal sections and the intervening horizontal or vertical dimension. The planimeter shall be considered an instrument of precision adapted to measurement of all areas.

B. Methods of Measurement

1. Materials and items of Work which are to be paid for on basis of measurement shall be measured in accordance with methods stipulated in the particular sections involved.

C. Certified Weights

1. When payment is to be made on the basis of weight, the weighing shall be done on certified platform scales or, when approved by the ENGINEER, on a completely automated weighing and recording system. The CONTRACTOR shall furnish the ENGINEER with duplicate licensed weighmaster's certificates showing actual net weights. The CITY will accept the certificates as evidence of weights delivered.

D. Units of Measurement

1. Measurements shall be in accordance with Section 01420 – UNITS OF MEASURE of the GENERAL REQUIREMENTS. A metric ton or "tonne" is equal to 1,000 kilograms and the unit of liquid measure is a Liter (in U.S. Standard Measures, a pound is an avoirdupois pound; a ton is 2,000 pounds avoirdupois; and the unit of liquid measure is a gallon).

(END OF SECTION)