SECTION 17

WATERING

Watering shall conform to Section 17 of the Caltrans Standard Specifications and these City Standard Specifications.

17-1.01 Description. - This work shall also consist of: (1) application and payment of fees for drawing water through meters from fire hydrants and (2) constructing or installing portable tank reservoirs and installing pumping plants and pipeline systems.

Any system chosen by the Contractor shall be adequate for the supply of water for periods of maximum demand and shall be in operation for the life of the project.

Water used for whatever purpose in construction shall be considered as included in the prices paid for the various items of work involved and no additional compensation will be allowed therefor.

17-1.02A Application. - The application of water shall be under the control of the Engineer at all times.

At the option of the Contractor, excavation areas and borrow sources may be watered prior to excavating the material.

17-1.03 Materials. - Water, wetting agents, and chemical additives shall conform to the following:

(a) **Water.** - Water used for whatever purpose in construction shall be free from oils, heavy concentrations of salts, minerals, or other deleterious substances.

(b) **Wetting Agents.** - Type of material shall be as specified in the special provisions or on the project plans. In any case, the chemical additive to be used as a wetting agent shall be capable of readily mixing with water and of distributing moisture evenly in soil, leaving no dry pockets or voids.

The wetting agent shall be a non-ionic, non-organic, non-detergent, non-toxic, non-flammable liquid having a neutral pH which, when applied to soils shall not be harmful to vegetation.

The proportion of wetting agent to water shall be as recommended by manufacturer unless otherwise directed by the Engineer.

The manufacturer shall establish the necessary quality control and inspection practice to assure compliance with these specifications. The Contractor shall furnish a certificate of compliance, in accordance with the requirements of Section 6-1.07, "Certificate of Compliance", that the product furnished complies with the requirements of these specifications.

17-1.04 Payment. - Delete Section 17-1.04 of the Caltrans Standard Specifications.