

INSTRUMENTATION

GENERAL

This Contractor shall furnish all primary elements, transmitters, receivers, instruments, relays and devices necessary to accomplish the signaling and control functions outlined.

The telemetering will be done over telephone lines leased by the Owner. Signals on these lines shall meet the requirements of the telephone company. The system shall also be compatible with other equipment presently in use performing similar functions. The minimum number of leased lines is desirable.

Equipment enclosures shall be suitable for the installed environment. Heaters shall be included where moisture is anticipated.

CITY FARM RESERVOIR

The level of water in this reservoir is measured by a device located in the present valve vault. This measurement shall be transmitted to Carvins Cove filter plant where it shall be shown on an indicator and recorded. A high and low level setting shall light respective lights and sound an alarm.

INDUSTRIAL PARK

The water pressure in the main shall be measured by a device to be located in a present manhole. A low pressure signal shall be transmitted to Carvins Cove filter plant. This signal shall light a light and sound the alarm when pressure in the 36" transmission main drops to a head of five (5) feet.

CARVINS COVE FILTRATION PLANT

Furnish a free-standing sheet steel panel "CP" having devices as shown. On a sub-panel, in the rear, mount necessary transmitters, receivers, relays, etc. Functions of devices are noted on the drawing. The panel size and shape should conform to present panel in the operator's room of the Filtration Plant.

BOXLEY HILLS STATION

Furnish a wall mounting panel, or cabinet, "SP" containing transmitters, receivers, relays and devices necessary to accomplish the following: