

1. Pump motor and valve motors are individually and independently controlled by positioning selector switches in "hand" or manual position.
2. Pump motor and valve motors are sequentially controlled by placing all selector switches in "Auto" position.

- a. By depressing start pushbutton at Carvins Cove control panel "CP" for pump #1, pump #1 motor starts and accelerates to full load speed. Pressure builds up to preset value, thus closing N.O. pressure switch contact which picks up pump discharge valve V-1, thus opening valve V-1. After valve V-1 opens, its limit switch contact closes picking up valve V-3 and closing same.

b. On de-activating booster pumping station - depressing stop pushbutton at Carvins Cove control panel de-energizes pump motor #1, when remote stop contact opens to shut down pump #1. As pressure falls, the N.C. pressure switch contact closes after N.O. pressure switch contact opens, thus closing valve V-1. At the same time a N.C. pressure switch contact closes to pick-up valve V-3, thus opening same.

The cycle may be repeated as indicated above.

- c. Provide spaces to accommodate remote control equipment for future pump #2 and future valve #2.
3. Furnish a pressure switch with a surge suppressor, 5 psi min. differential, 0-100 psi range, with 2 N.C. and 1 N.O. contacts, rated 15 amp., 120 volt.

Furnish and indicating-transmitting type of pressure instrument and necessary auxiliary equipment to transmit this pressure to the indicator-recorder to be located on the Carvins Cove panel.