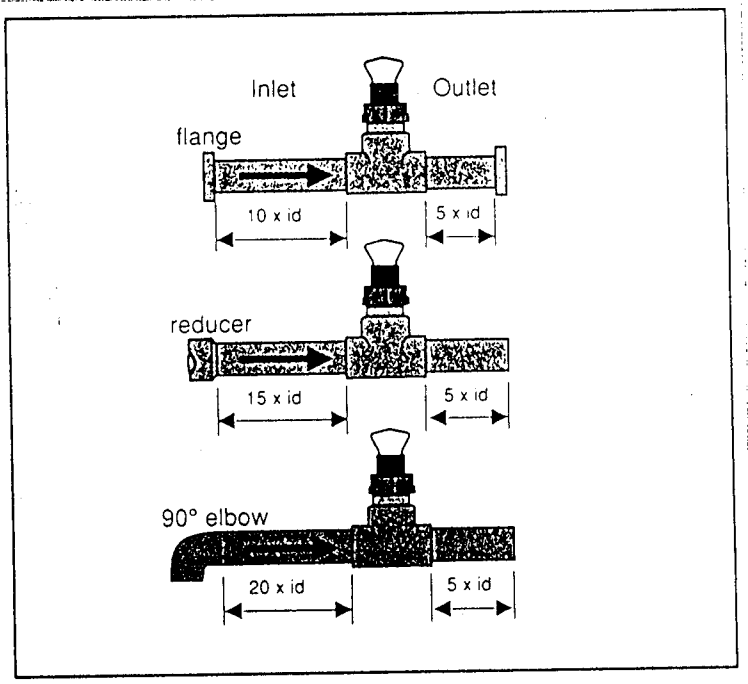
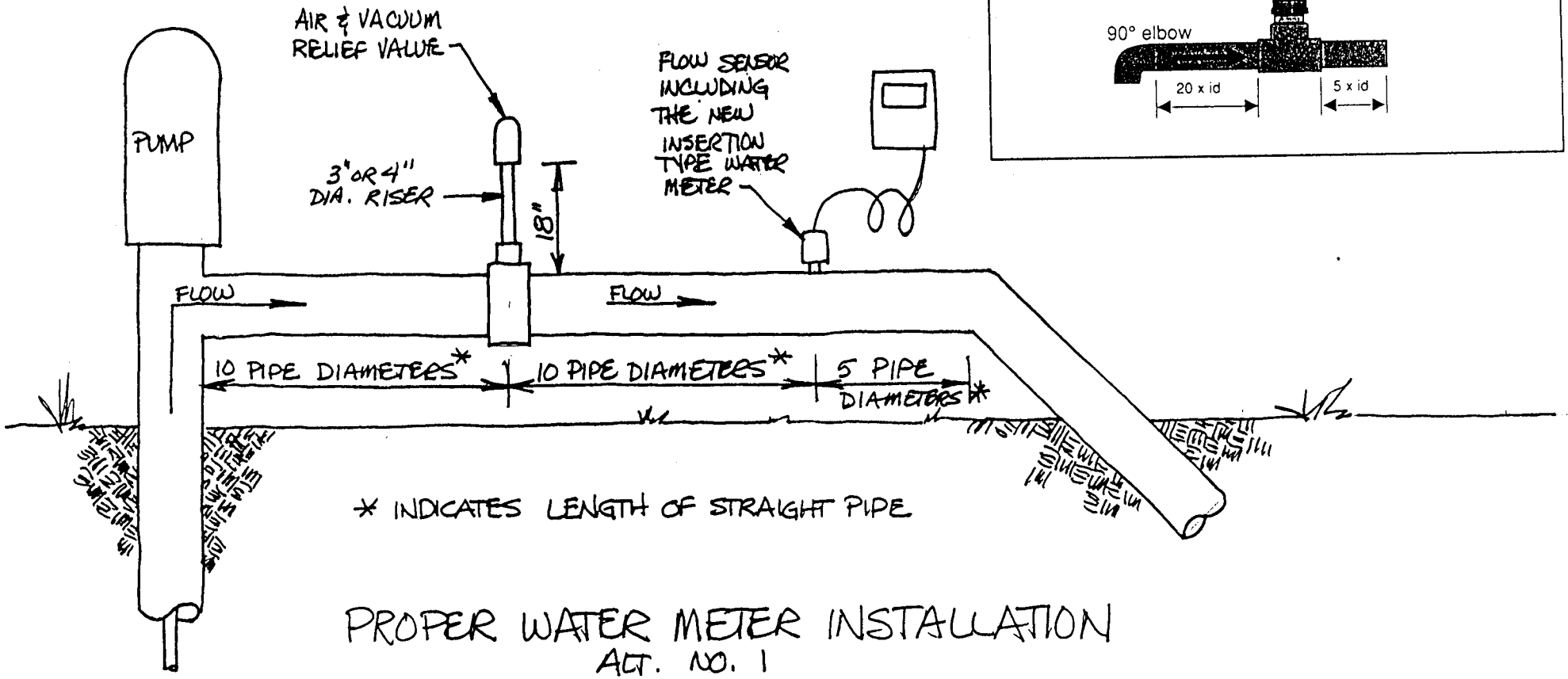
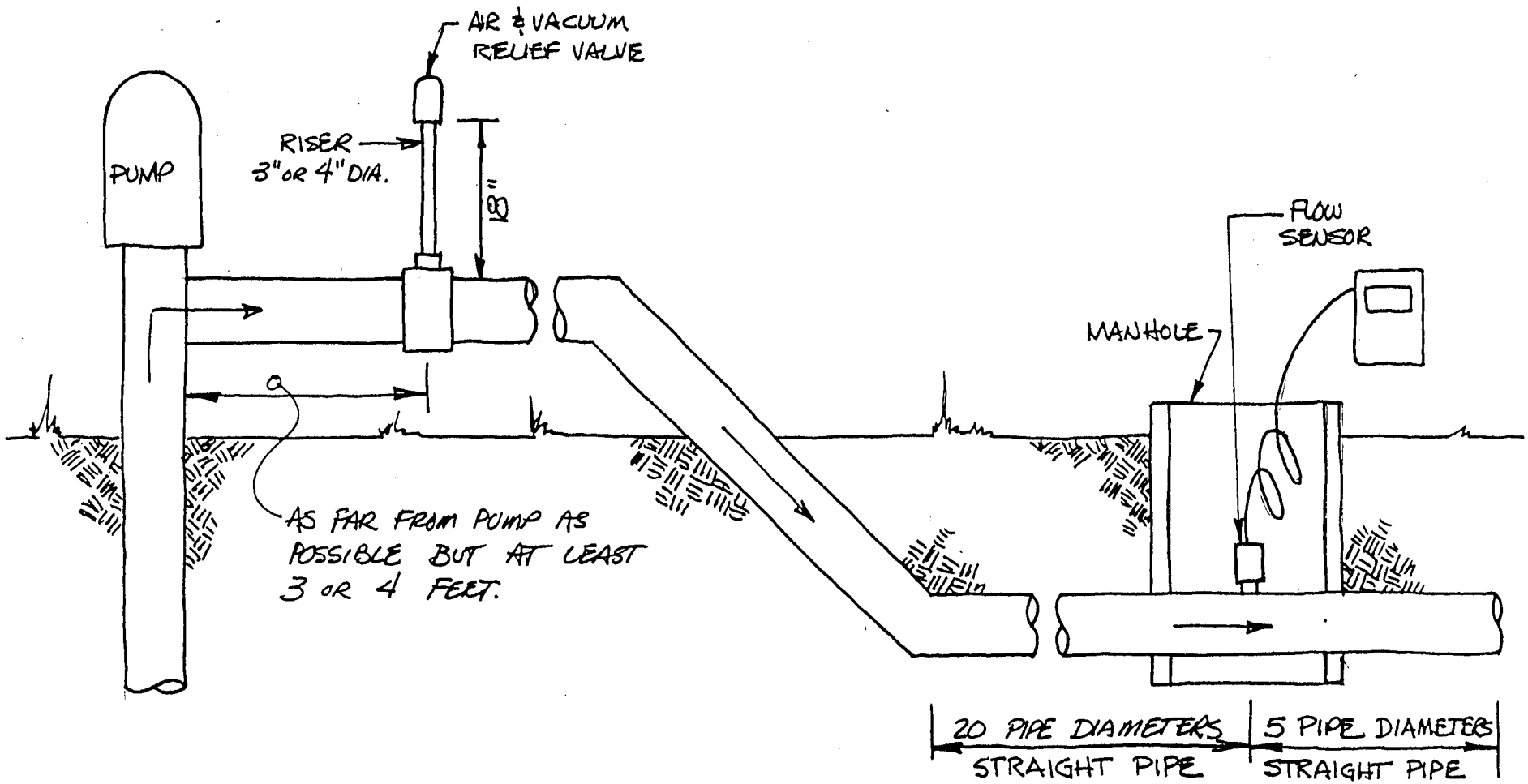
FIGURE 1. Flow sensors, including insertion types, generally depend upon a "fully developed turbulent flow profile" for maximum linearity and accuracy. To achieve this requirement, the sensor must be located in a straight run of pipe. At least 10 pipe diameters of uninterrupted straight pipe upstream of the sensor and at least 5 pipe diameters of uninterrupted straight pipe downstream is required. Major obstructions such as pumps, throttled valves, etc. will require considerably longer straight runs. Take this into consideration when selecting a fitting location in your flow system.





PROPER WATER METER INSTALLATION
ALT. NO. 1

NATIONAL 42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-389 200 SHEETS 5 SQUARE



PROPER WATER METER INSTALLATION

ALT. NO. 2