Instructions for use of NE-ENG-76

Using the information on the back of NE-ENG-76, profile the proposed location of the hydrant (most of the time this could be done with a hand level). Determine normal water elevation as part of the survey. Plot this information separately on cross-section paper if necessary.

A. Determine total minimum depth of intake (4).

B. Determine static head (SHL), (100.0 minus (5)).

C. Record design capacity of pumping equipment.

D. Record intake strainer and standpipe losses (ISL).

E. Using the profile survey, determine pipe and fittings needed and record it.

F. Determine equivalent pipe length. Determine pipe friction loss (PHL).

G. Determine total hydraulic head of the system.

H. From the information gathered, fill out the front of NE-ENG-75.

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