

FIRE FLOW TEST – "MAIN TEST" (NOT A "HYDRANT TEST")

A "MAIN TEST" ESTIMATES CAPACITY IN THE UNDERGROUND MAIN.

MEASURE STATIC AND RESIDUAL AT A "NO-FLOW HYDRANT" THAT IS NOT DISCHARGING.

MEASURE FLOW AT ONE OR MORE OTHER "FLOW HYDRANTS" NEARBY. USING MORE "FLOW HYDRANTS" SIMULTANEOUSLY MAKES THE TEST MORE ACCURATE. "FLOW HYDRANT A" IS MANDATORY. HYDRANTS "B" AND "C" ARE OPTIONAL. MORE HYDRANTS MAY BE ADDED.

MEASURE RESIDUAL AND FLOW(S) NEAR THE SAME TIME, FOR BEST ACCURACY.

POSITIVELY IDENTIFY HYDRANTS BY PERMANENT NUMBER OR MAP.

"NO-FLOW HYDRANT" STATIC PSI: _____ RESIDUAL PSI: _____

"FLOW HYDRANT A" PITOT PSI: _____ PITOT GPM: _____

"FLOW HYDRANT B" PITOT PSI: _____ PITOT GPM: _____

"FLOW HYDRANT C" PITOT PSI: _____ PITOT GPM: _____

TOTAL GPM: _____

USE THE GRAPH BELOW. USE THE SMALLEST GPM SCALE THAT WORKS.

DRAW POINTS AT "0 GPM, STATIC PSI" AND "TOTAL GPM, RESIDUAL PSI."

DRAW A STRAIGHT LINE THROUGH THOSE POINTS AND CONTINUE THE LINE TO THE 20 PSI HORIZONTAL LINE.

IF LINE GOES OFF THE GRAPH, USE THE NEXT LARGER GPM SCALE.

INDICATE WHICH GPM SCALE IS USED.

AT THE 20 PSI LINE, THE GPM IS: _____ GPM.

THIS IS THE TEST RESULT, THE ESTIMATED CAPACITY OF THE "MAIN" AT 20 PSI.

TEST PERSON: _____

DATE: _____

