PORT ST. LUCIE UTILITY SYSTEMS DEPARTMENT

HYDRANT FLOW TEST FORM

PROJECT NAME: _____

PSLUSD FILE NUMBER: _____

ENGINEER OF RECORD: _____

PROJECT CONTRACTOR: _____

HYDRANT REPAIR KIT RECEIVED: ☐ YES ☐ NO

IF NOT, TEST FAILS UNTIL KIT RECEIVED

COEFFICIENT NUMBER* _____

COEFFICIENT NUMBER REMAINS AT 0.88

DIAMETER _____

DIAMETER OF HYDRANT DISCHARGE (TYPICALLY 2.5")

STATIC PRESSURE _____

PRESSURE PRIOR TO FLUSHING HYDRANT

RESIDUAL PRESSURE _____

PRESSURE DURING FLUSHING OF HYDRANT

PITOT PRESSURE _____

PRESSURE READING ON PITOT GUAGE

RESIDUAL FLOW _____

RF=29.83 X (CN X DIA TO THE 2 POWER) X (√PP) GPM AT RESIDUAL PSI

FIRE FLOW _____

FF=RF X ((SP-20)÷(SP-RP)) TO THE 0.54 POWER GPM AT 20 PSI

COMMENTS: (INCLUDE LOCATION OF RESIDUAL PRESSURE AND PITOT PRESSURE)

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*COEFFICIENT NUMBER IS BASED ON SHARP SQUARE EDGE INLET TYPES

CN = COEFFICIENT NUMBER

DIA = DIAMETER

SP = STATIC PRESSURE

RP = RESIDUAL PRESSURE

PP = PITOT PRESSURE

RF = RESIDUAL FLOW

FF = FIRE FLOW

_____

(SIGNATURE / DATE)