



**FIRE FLOW REQUIREMENTS**

*All shaded areas to be completed by the City of Thornton*

DATE: \_\_\_\_\_

NAME: \_\_\_\_\_

COMPANY: \_\_\_\_\_

EMAIL: \_\_\_\_\_

PROJECT LOCATION: \_\_\_\_\_

TYPE OF CONSTRUCTION:  IA  IIIA  IIB  
 IB  IV  IIIB  
 IIA  V-A  V-B

SQUARE FOOTAGE: \_\_\_\_\_

REASON FOR REQUEST:  FIREFIGHTING ACTIVITIES  DOMESTIC WATER DESIGN  
 FIRE SPRINKLER DESIGN  ALTERING EXISTING SYSTEM  
 SPRINKLER PROTECTION  NON-SPRINKLER PROTECTION

ADDITIONAL INFORMATION: \_\_\_\_\_

PROJECT NAME: \_\_\_\_\_

**DEVELOPMENT ENGINEERING DEPARTMENT**

PERFORMED BY: \_\_\_\_\_

DATE AND TIME: \_\_\_\_\_

RESIDUAL HYDRANT NO. \_\_\_\_\_

FLOW HYDRANT NO. \_\_\_\_\_

HYDRANT LOCATIONS: \_\_\_\_\_

LOWEST STATIC PRESSURE (PSI): \_\_\_\_\_

RESIDUAL PRESSURE (PSI): \_\_\_\_\_

FLOW (GPM): \_\_\_\_\_

20 PSI FLOW (GPM): \_\_\_\_\_ (This value exceeds the COT pipe velocity required)

FLOW NOZZLE SIZE: \_\_\_\_\_

**FIRE DEPARTMENT**

PLANNING, BUILDING OR FIRE PERMIT  
 NUMBER: \_\_\_\_\_  
 FIRE REVIEWER: \_\_\_\_\_

THE FOLLOWING NUMBERS SHALL BE USED FOR FIRE SPRINKLER DESIGN:

REQUIRED FIRE FLOW (GPM) PER IFC TABLE  
 B105.1 (2): \_\_\_\_\_

STATIC PRESSURE: \_\_\_\_\_

RESIDUAL PRESSURE: \_\_\_\_\_

FLOW (GPM): \_\_\_\_\_