



330 S. 5th St.
MONTROSE, COLORADO 81401
(970) 249-7771

JOB NAME: CROSSROADS II

LOCATION: MONTROSE, CO

BY: CEG DATE: 9-19-2022 SHEET _____ OF _____

FILE NO. _____

FIRE FLOW TEST : 9-13-2022

STATIC P = 80 PSI

RESIDUAL P = 65 PSI

FLOW = 2,014 gpm

8" PIPE

$\Delta h_L / 100 \text{ LF PIPE} = 5.19 \text{ ft OR } 2.25 \text{ PSI} \quad (L = 590 \text{ ft})$

$\Delta h_L = 30.6 \text{ ft}$

$\Delta z = -7 \text{ ft}$

$\Delta h_m = 6 \text{ ft}$

$\Delta \text{TOTAL} = 29.6 \text{ ft OR } 12.9 \text{ PSI}$

FIRE FLOW @ TAYLOR DRIVE AND 6600 RD

$$Q_{20} = \frac{(80 - 20)^{0.54}}{(80 - 52)^{0.54}} \times 2,014 \text{ gpm} \Rightarrow 3,039 \text{ gpm}$$

FIRE FLOW OK

