



FISK LAND SURVEYING & CONSULTING ENGINEERS, INC.
1022 Main Street • P.O. Box 8154 • Rapid City, SD 57709
Phone (605) 348-1538 • Fax (605) 341-1112 • E-mail: fiskls@midconetwork.com

MEMO

DATE: April 11, 2008
TO: City of Rapid City
Growth Management Department
RE: Potts Subdivision – Hydrant Flow Test
FROM: Warren L. Fisk, PE, LS
PAGE: 1 of 2

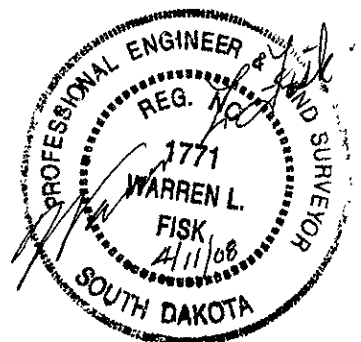
Per the attached hydrant test at the intersection of Haugo Drive and Catron Boulevard, the static pressure is 120 psi. The rise to the high point in the proposed main is 50 feet, or approximately 22 psi loss. Line and minor bend losses may reduce the head by roughly another 5 psi, leaving a residual at the high point of 90 psi.

The volume of flow appears adequate.

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Management Department



08PL051

ADDRESS 0 HAUGO DR&CATRON

DESCRIPTION FISK ENG JANELLE 348-1538

Flow Hydrant Location HAUGO DR&CATRON

Date 4/3/2008

Time 1:00:00 PM

Hydrant Manufacturer WATEROUS

Year Manufactured 1995

Residual Street VINEYARD&CATRON

Residual hydrant location VINEYARD&CATRON

| | |
|--------------------|---------|
| Outlet Diameter | 2.5 |
| Outlet Coefficient | 0.9 |
| Pitot Pressure | 79 |
| Static Pressure | 120 |
| Residual Pressure | 110 |
| Discharge | 1491.38 |
| Q20 | 5171.18 |
| Q0 | 5706.20 |

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