



**WEST SWANZEY
WATER COMPANY**

Post Office Box 10
West Swanzy
New Hampshire
03469

603•352•2022

May 8, 2012

Jeffrey Merritt, PE
Keach-Nordstrom Associates, Inc.
10 Commerce Park North, Suite 3B
Bedford, NH 03110

**Re: Water service to the Proposed Dollar General store, South Winchester
Street, West Swanzy, NH**

Dear Mr. Merritt,

Thank you for the plans for the proposed retail development on the NH Route 10, Cobble Hill Road and South Winchester Street in West Swanzy. The West Swanzy Water Company has an 8" line on South Winchester Street and would be able to supply domestic water to the building. Your plans show a 1" copper line connecting to the South Winchester main. West Swanzy Water would like to consult with you prior to construction to approve the size of the line and metering details. Though it does not appear to be an issue, please bear in mind that this system does not have the capacity necessary for fire protection if it is required.

Sincerely,

Sarah G Brown

WATER FLOW TEST REPORT



COVENANT
FIRE PROTECTION

HYDRANT # & LOCATION Test #2 - S Winchester Street, Swansey, NH

DATE: 7/17/2012

TEST BY: Mike Joanis Day of Week: Tuesday TIME OF DAY: 10:20

MIN. OF FLOW: 1

WATER SUPPLIED BY: West Swansey Water Department

PURPOSE OF TEST: fire protection system proposed Dollar General Store

DATA

FLOW HYDRANT(S)	A1	A2	A3
SIZE OPENING:	<u>1.75</u>	<u>0</u>	<u> </u>
COEFFICIENT:	<u>0.975</u>	<u>0</u>	<u> </u>
PITOT READING:	<u>25</u>	<u>0</u>	<u> </u>
GPM:	<u>445</u>	<u>0</u>	<u> </u>

TOTAL FLOW DURING TEST: 327 GPM

STATIC READING: 110 PSI

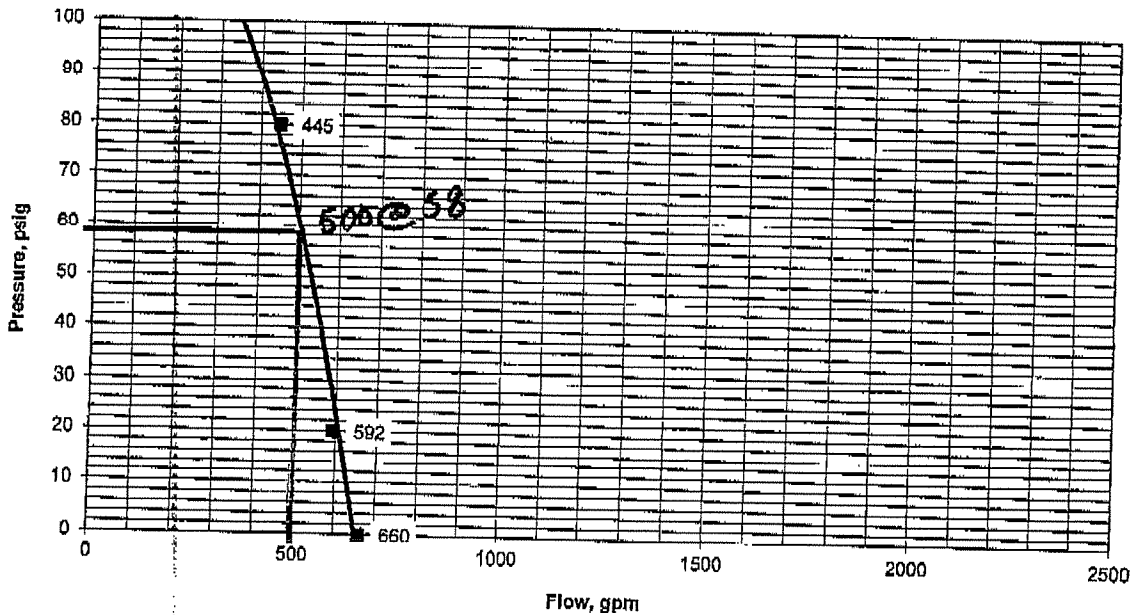
RESIDUAL: 80 PSI

RESULTS: AT 20 PSI RESIDUAL 592 GPM

AT 0 PSI 660 GPM

ESTIMATED CONSUMPTION: 5435 GAL

REMARKS:



WATER FLOW TEST REPORT



HYDRANT # & LOCATION Test #1 - S Winchester Street, Swansay, NH DATE: 7/17/2012
 TEST BY: Mike Joanis Day of Week: Tuesday TIME OF DAY: 10:20 MIN. OF FLOW: 1
 WATER SUPPLIED BY: West Swansay Water Department
 PURPOSE OF TEST: fire protection system proposed Dollar General Store

DATA

FLOW HYDRANT(S)	A1	A2	A3
SIZE OPENING:	<u>1.125</u>	<u>0</u>	<u> </u>
COEFFICIENT:	<u>0.99</u>	<u>0</u>	<u> </u>
PITOT READING:	<u>75</u>	<u>0</u>	<u> </u>
GPM:	<u>324</u>	<u>0</u>	<u> </u>
TOTAL FLOW DURING TEST:	<u>327</u> GPM		
STATIC READING:	<u>105</u> PSI	RESIDUAL:	<u>85</u> PSI
RESULTS: AT 20 PSI RESIDUAL	<u>714</u> GPM	AT 0 PSI	<u>801</u> GPM
ESTIMATED CONSUMPTION:	<u>5435</u> GAL.		
REMARKS:			

