

Connecticut Water Company  
93 West Main Street  
Clinton, CT 06413-1600



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## Fire Flow Results

June 10, 2016

Location: Main St. Chester, CT

Tested: 6/9/2016

$$Q_R = Q_F \times \frac{h_R^{0.54}}{h_F^{0.54}}$$

$Q_R$  = Flow available at desired residue pressure

$Q_F$  = Flow during test

$h_R$  = Perssure drop to desired residue pressure (i.e. static - 20 psi)

$h_F$  = Pressure drop during the test

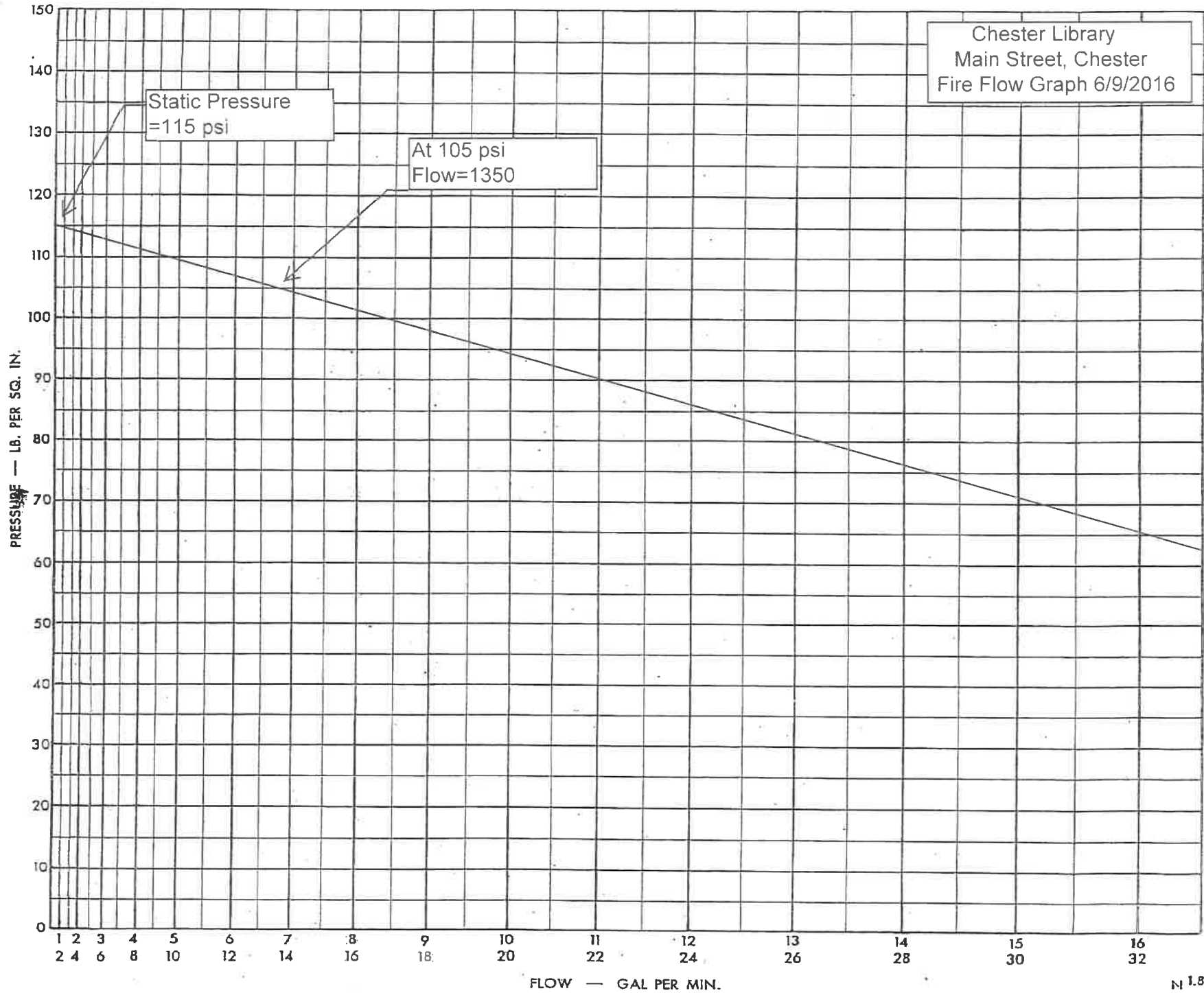
$Q_F$ =	1350	
$h_R$ =	95	$\frac{11.6942}{3.46737}$
$h_F$ =	10	
$Q_R$ =	<b>Total Available Flow</b>	<b>4553.07</b>

**Test Hydrant:** On the South side of Main St across from School Ln.

**Flow Hydrant:** On the South side of Main St at the intersection of Middlesex Tpk



THE CONNECTICUT WATER COMPANY



Chester Library  
Main Street, Chester  
Fire Flow Graph 6/9/2016

Static Pressure  
=115 psi

At 105 psi  
Flow=1350

CMC  
E-14