Community Planning & Development Engineering Requirements

For Building Permit Applications
Commercial, Industrial and Multi-Family

Name: _____ Telephone: _____
Location: _____ Building Permit #: _____
_____ Use: _____

GENERAL (Indicate on a site plan)

1. **EXISTING** and **PROPOSED** services including:

   a) For all municipal utilities show main diameter, material, grade (storm and sewer) offset from front property line and connection diameter and offset from a side property line.
   b) Water, complete with proposed meter and chamber at property line (right-of-way may be required for larger meters and chambers).
   c) Storm sewer, complete with manhole at property line.
   d) Sanitary sewer, complete with sampling chamber at property line.
   e) According to Delta Subdivision Bylaw 7162, as amended, service connection replacement (water, sanitary, storm) may be required from the building to the utility main.
   f) Hydrant locations.
   g) Fire line and double check detector assembly complete with remote reader location (external to building).
   h) All existing or proposed statutory rights-of-way.

2. **DRIVEWAY ACCESS** location shall include:

   a) Width, measured at curb line/edge of pavement, offset from a side property line.
   b) Location of all above ground utilities including streetlights, hydrants BC Tel/BC Hydro kiosks and/or poles, etc.
   c) Show all underground hydro/tel/FortisBC utilities.

3. **WATER CONSUMPTION** (Indicate below)

   a) Design water flows for the proposed development: (show on graph on reverse)

Metered peak flows:			Fire flows:		
Domestic	_____	l/s	Sprinkler system	_____	l/s
Process/cooling	_____	l/s	On-site private hydrants	_____	l/s
Landscape irrigation	_____	l/s	Other off-site hydrants	_____	l/s
TOTAL:	_____	l/s	TOTAL:	_____	l/s

Design minimum water pressure requirements at property line:

Sprinkler system	_____	PSI
On-site hydrants	_____	PSI
Domestic/Process/Irrigation	_____	PSI

b) Municipal Water Flow Available (show on graph on reverse)

Based on hydrant flow tests and/or hydraulic calculation, the Municipal water system with allowance made for peak day demand and losses from the gauge hydrant, has the capacity to provide under the worst case in a) above, the following flow:
(Application for the completion of a hydrant flow test can be made at the Engineering Department)

_____ l/s at _____ PSI

4. **SANITARY SEWER DISCHARGE** (indicate below)

a) average discharge _____ m^3/s
b) Peak discharge _____ m^3/s

This Engineering Requirements Sheet must be signed and sealed by a Professional Engineer certifying that the flow calculations as shown are prepared in accordance with applicable design criteria and good engineering standards.

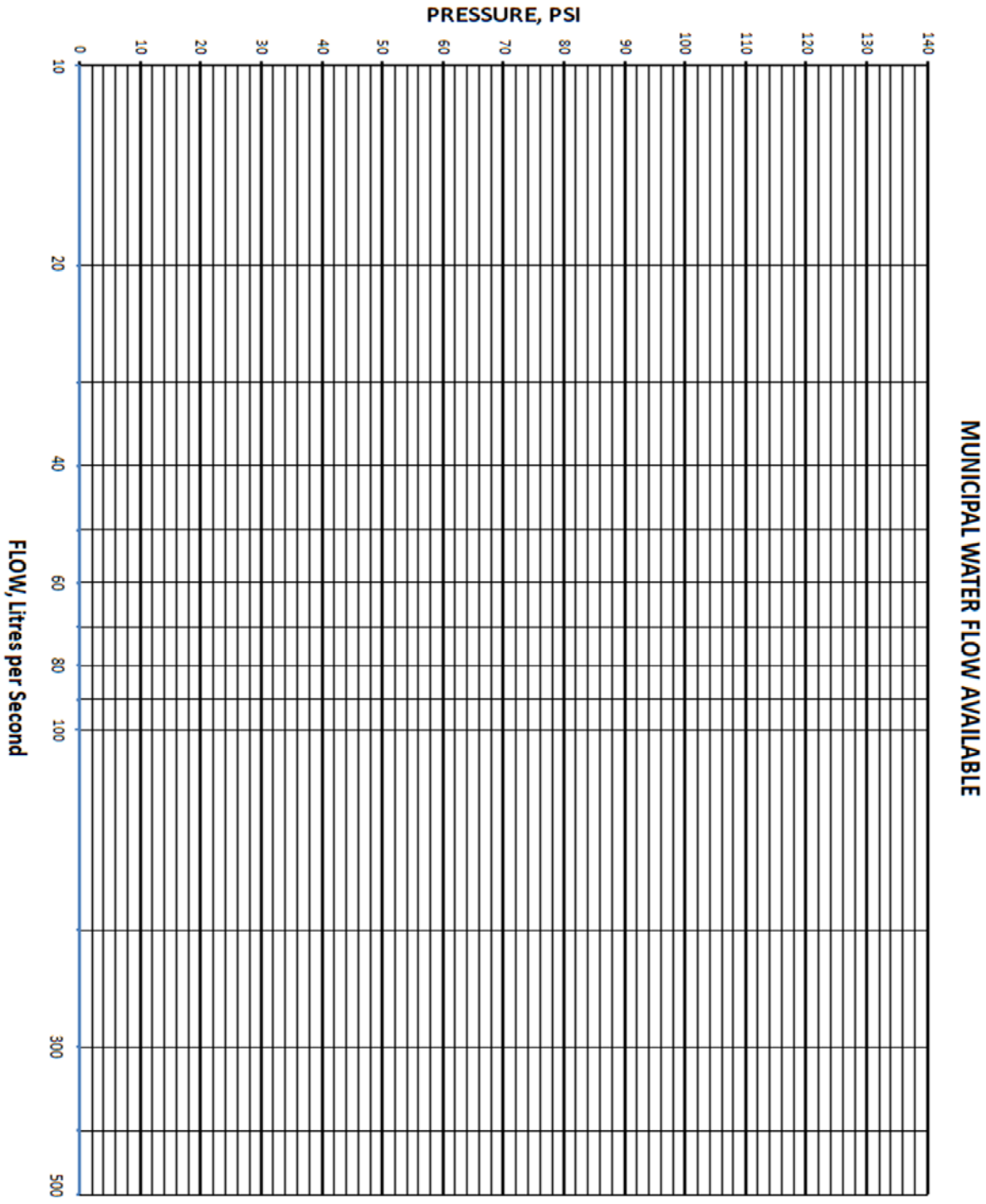
Name of Engineering Firm: _____

Name (print): _____

Signature: _____ Date: _____

ENGINEER'S SEAL

Address:_____BP_____


PRESSURE, PSI
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
10
20
40
60
80
100
300
500
FLOW, Litres per Second
MUNICIPAL WATER FLOW AVAILABLE