

Water Hydraulic Report Format

I. Introduction and Summary

- a. Report Certification
- b. Purpose of report and study objectives

II. Proposed Development

- a. Description
- b. Location and vicinity map
- c. Site plan
- d. Proposed zoning
- e. Proposed land use and intensity
- f. Phasing and timing of the project

III. Existing Conditions

- a. Study area
 - i. Existing zoning
 - ii. Existing land uses
- b. Existing Water Infrastructure
 - i. Nearest valve location
 - ii. Nearest hydrant location
 - iii. Material type(s) at connection location on water main

IV. Proposed Design

- a. Minimum information
 - i. Site water flow rates
 - ii. Site water pipe material and size(s)
 - iii. Connection to existing water main
 - iv. Discussion of what type the main will be “Public” or “Private”
- b. Information where appropriate
 - i. Backflow prevention devices
 - ii. Hydrant type and location(s)

V. Appendices

- a. Hydraulic calculations
- b. References