

NWC Subdivision/ Development Application/Enquiry

Potable Water Requirements

1. Four (4) copies of an appropriated Map Sheet and Site Plan prepared by a Commissioned Land Surveyor.
2. Two (2) copies of the water supply layout plan
3. One (1) to be stamped by the Fire Brigade.
4. Front and Side Elevation Drawings for three (3) stories and above, if the subdivision/development is to be a “built-out” as opposed to a “service lot” type.
5. Two (2) copies of an ¹Engineering Report prepared and stamped by a registered professional engineer in the respective discipline for more than 10 lots/ units. This report should include a proposal to supply the development with water, storage, account for water demands, fire fighting, minimum and maximum service pressures, and expected annual operating costs of all electro-mechanical equipment. Pipe diameters, layout and specifications should all be included along with justification for the design. Technical details should be provided and should satisfy the specifications of the National Water Commission (NWC).

A completed Engineering Report to the NWC, should include the following

The sub-division – an overview

Water demand for the sub-division

Key features of the immediate area relevant to the water supply proposal

Basic water supply network proposals

Network analysis

Fire flow analysis

Detailed proposal for NWC’s consideration & approval

Request for NWC’s consideration of early “take-over”

Appendix Epanet extended period simulation input data

Appendix Schematics illustrating reservoir, prv and booster pumping station facilities

Appendix Typical detail of can type protection to above ground air valves

Appendix Altitude valve chamber detail

Appendix Meter chamber detail

Appendix PRV chamber detail

Appendix Pumping station layout and details

Appendix Tank layout and details

Appendix General technical specifications for pipes, valves, thrust blocks, air valves, tank, pump, switch gear, pipe trench, coupling, adaptor, flanges, foundation slab for booster station.

6. A soft copy of the hydraulic model used to generate the onsite/offsite solution in the report must be included in the submission to the NWC. Soft copies are also encouraged for the water supply for items 1 and 2.

Sewage Disposal/Treatment Requirements

1. Three (3) copies of subdivision layout showing the direction of flow of sewage with proposed manholes and one digital form. Also, to be shown the details of the proposed point of connection to any NWC existing sewer mains are.
2. Three (3) copies of an Engineering Report prepared and stamped by a registered professional engineer in the respective discipline.
3. Profile drawings.
4. Tabular data sheet showing manhole numeration, chainages, invert and ground elevations, manhole depth, pipe sizes, types and gradients, velocity of sewage in pipe and quantity of flows through pipes.
5. Details of manholes and laterals connection.
6. One (1) copy of a topographic map sheet at 2m contours or less of the area to be developed/ subdivided.
7. If an NWC system does not exist, the layout of the proposed treatment systems must be included with the proposed effluent discharge point. The system must be designed with appropriate head works.
8. In keeping with the above requirements, all Engineering Drawings is to be prepared and stamped by a registered professional engineer in the respective discipline
9. A soft copy of the computer model used to generate the results for the report **must** be included in the submission to the NWC.

This Engineering Report must also include the expected annual operating cost of all electro-mechanical equipment. Upon receipt of the foregoing, the NWC will proceed to review the application, with a view of issuing formal approval regarding the availability of domestic water and wastewater services.

Fees

1. A Non-refundable Initial Application Fee of \$4,000.00

PROCESSING FEES APPLICABLE

Up to 10 lots	-	No additional Fee
Between 11 & 30 lots	-	Two Hundred Dollars \$200.00 per lot over 10 lots and up to 30 lots
Above 30 lots	-	\$5,300 plus Three Hundred and Thirty Dollars \$330.00 per lot over 30 lots

Applicants are reminded that, the following fees (Sterilization, Connection and Impact Fees {where levied}) will be applicable upon the approval for the supply of water and wastewater supply services

Further information on these fees can be obtained from the Capital Projects & Engineering Department

Applications that do not meet the requirements will be returned.