

# Rain water re-use

Rainwater detention and re-use tanks are mandatory for all new developments within the Mangaheka Catchment, to control stormwater runoff volumes entering the Mangaheka Stream. Rainwater re-use and detention tanks combine the benefits from both rainwater harvesting and detention into a single tank and are an important tool for reducing average water use.



Rainwater tanks capture runoff from building roofs and then re-direct it to non-potable water uses on site such as toilet, laundry and irrigation, reduce supplied water consumption.



Lots with higher than 90% impervious area (or 75% impervious area if located in sub-catchments B and F) need to provide on-lot attenuation for stormwater flows in the water quality device to reduce peak flows from storm events up to a 1 in 10 year event.



Rainwater re-use tanks can reduce costs of on-lot water use as well as reduce environmental impact of water consumption via:

- Reducing the use of potable water from the public water supply system.
- Reducing the annual volume of water which runs off from your site.
- Reducing peak flows from storm events up to a 10 year event.
- capturing the first flush of runoff improving water quality.

Advice on rainwater tanks is provided in the Three waters Management Practice Notes HCC02 and HCC05.

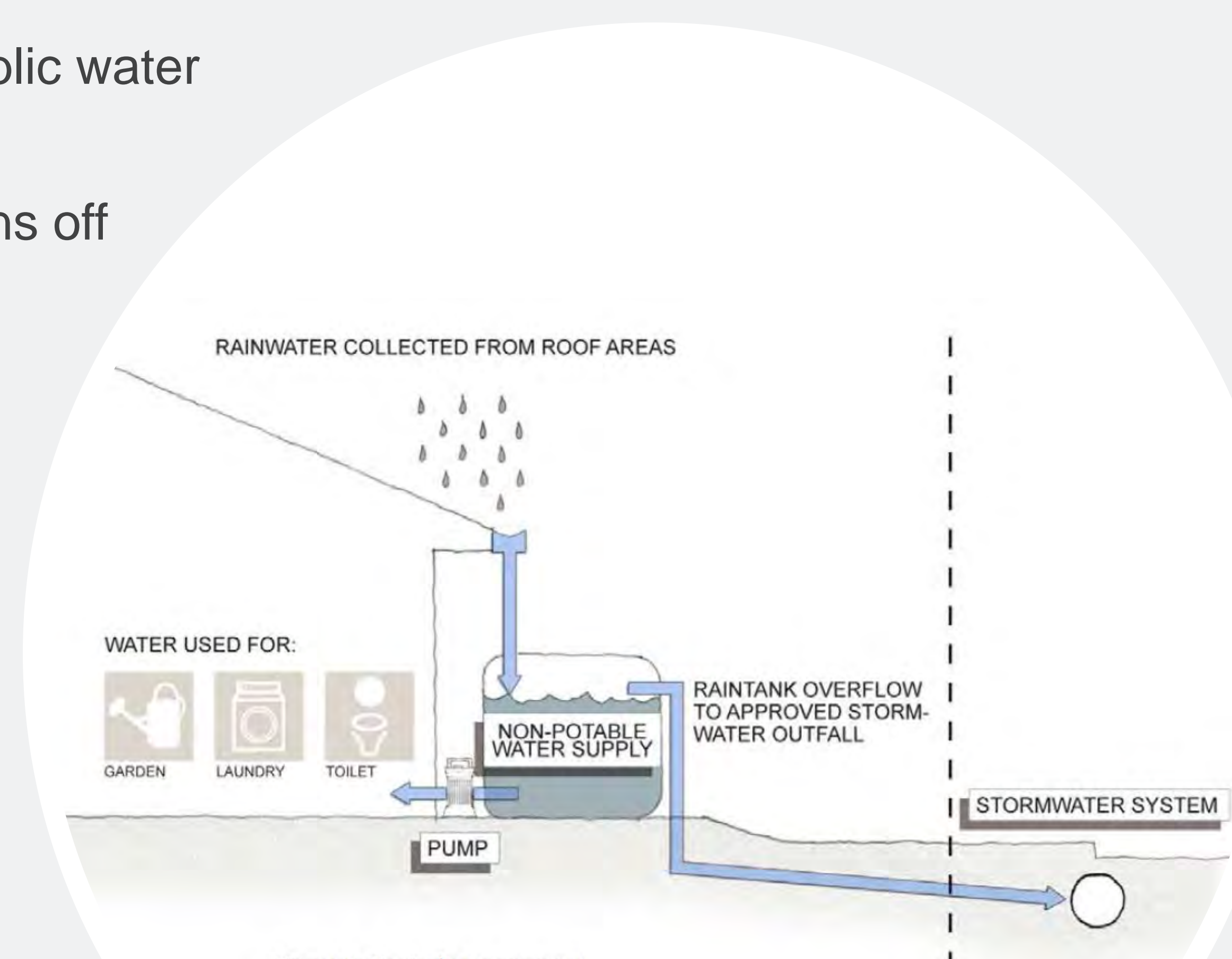


Figure 1: Typical arrangement