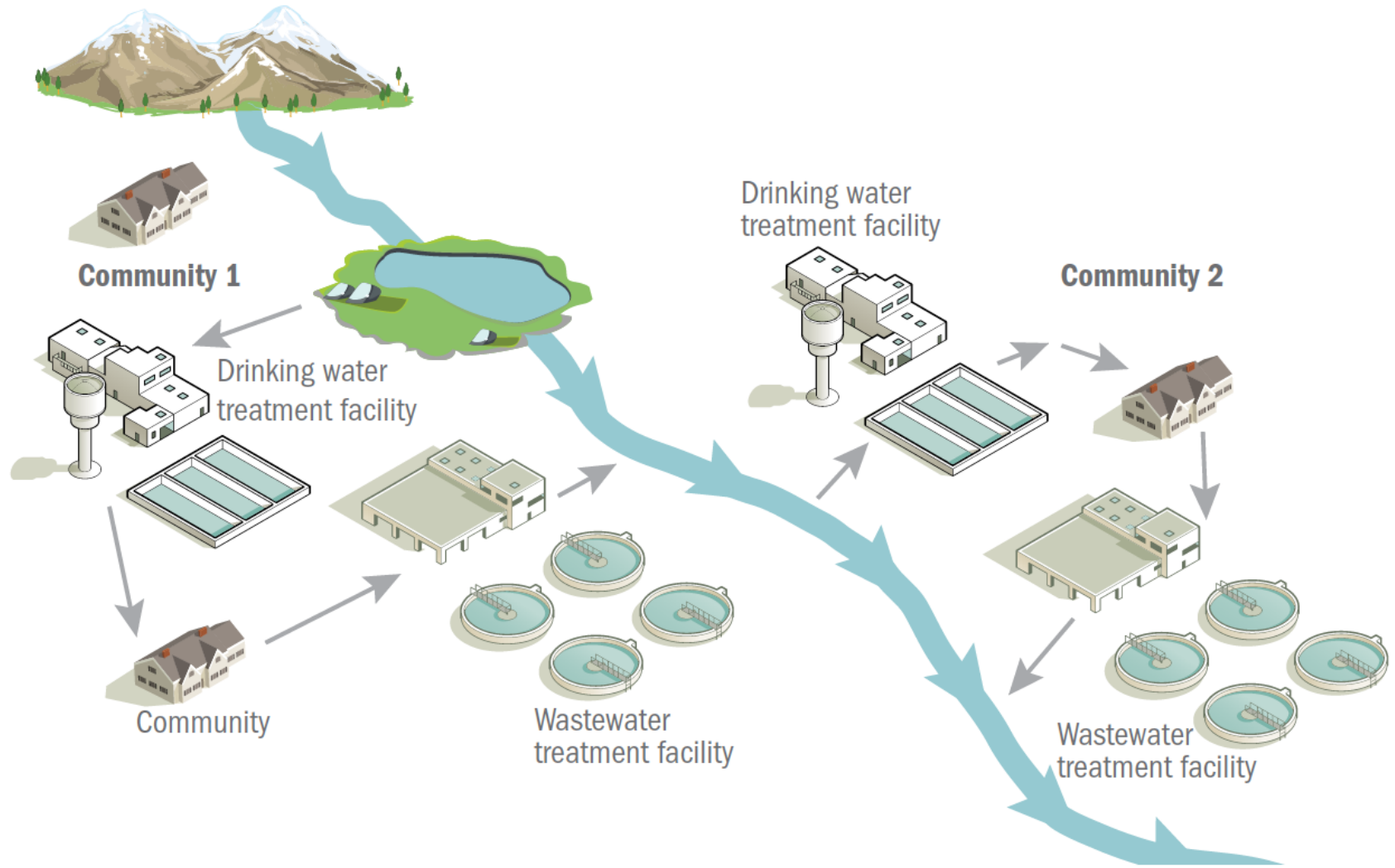


**The next wastewater treatment steps
beyond MBR-technique**

Direct Potable Reuse

A state-of-the-art solution for drinking water scarcity that matters!

Figure 1: Flow schematic of de facto reuse



Pictures from
American Water Works Association



Figure 2: Flow schematic of indirect potable reuse

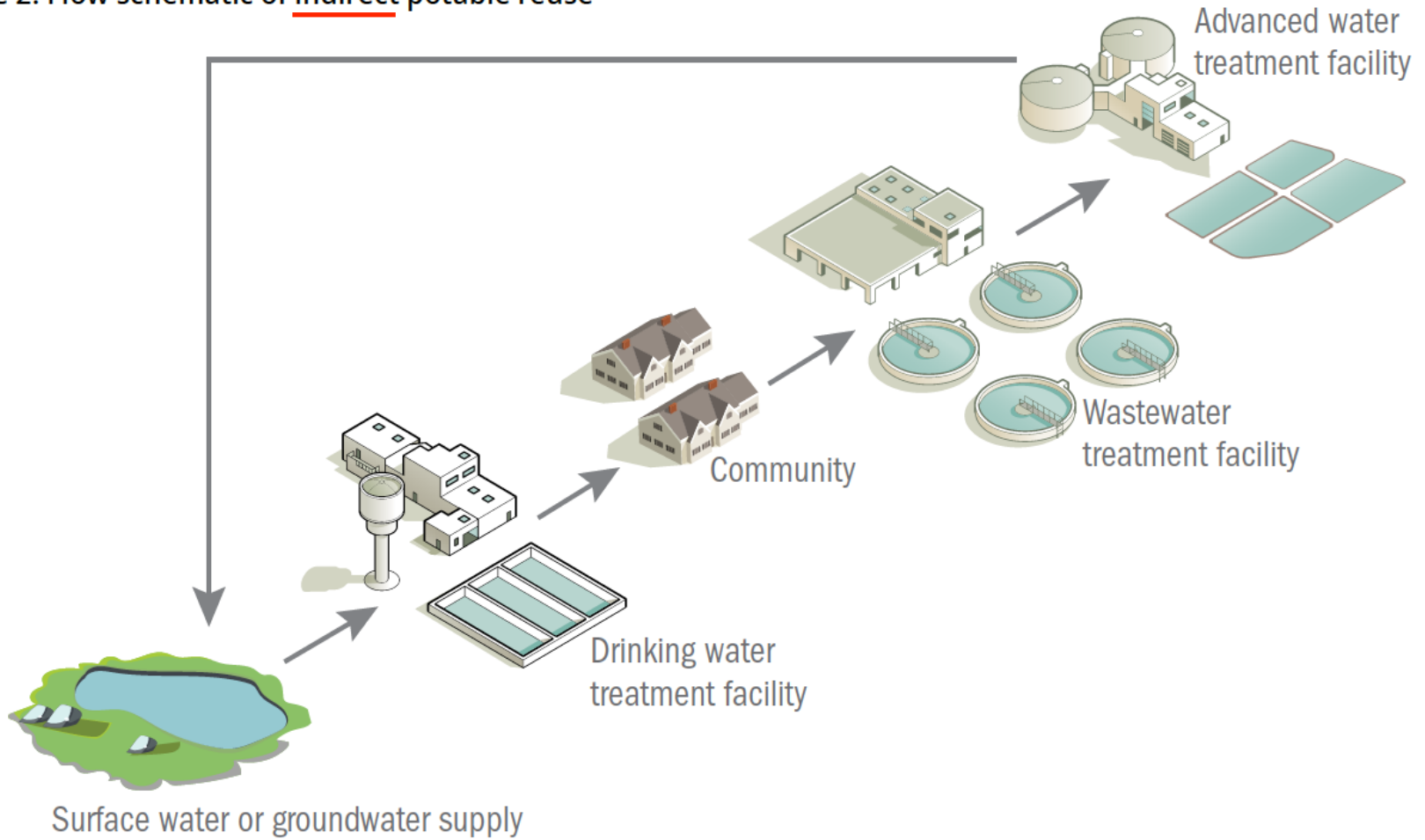
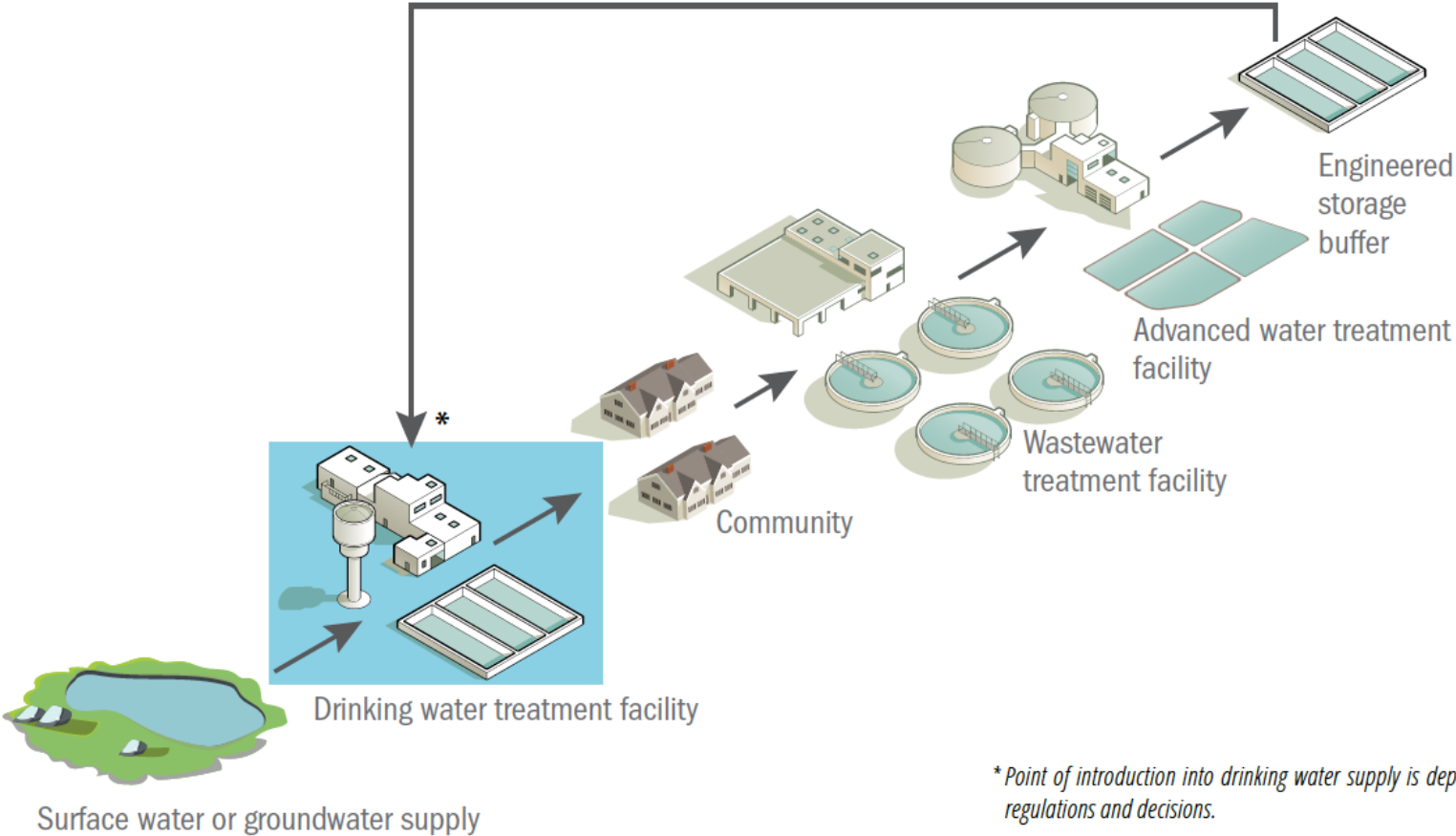


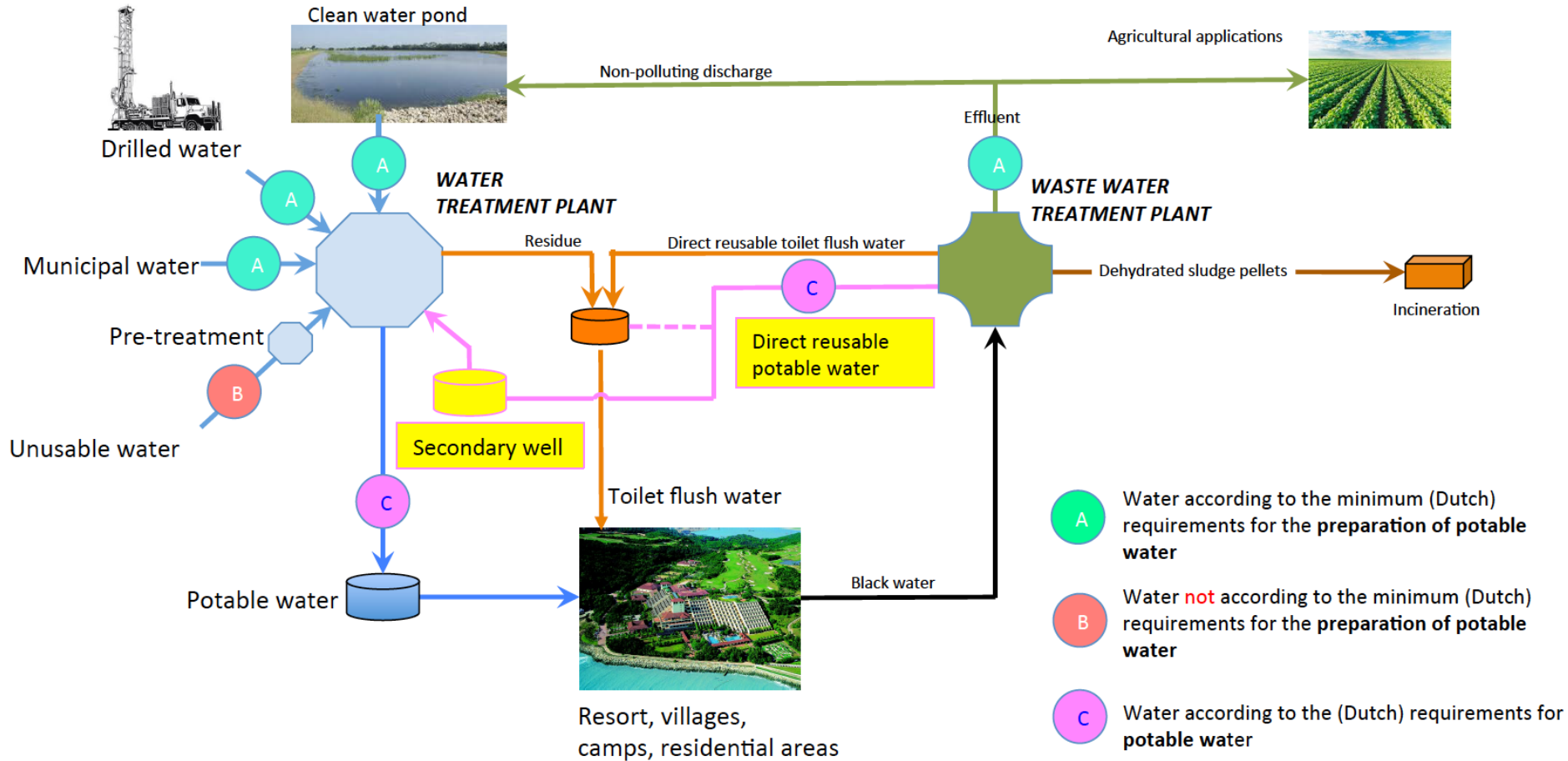
Figure 3: Flow schematic of direct potable reuse



** Point of introduction into drinking water supply is dependent on local regulations and decisions.*

System for Direct Reuse of Water

➔ REDUCING INTAKE DEMAND UP TO 65%





Biological Sewage Treatment



Additional Treatment and buffering



Additional Treatment



Digital Process Quality Monitoring

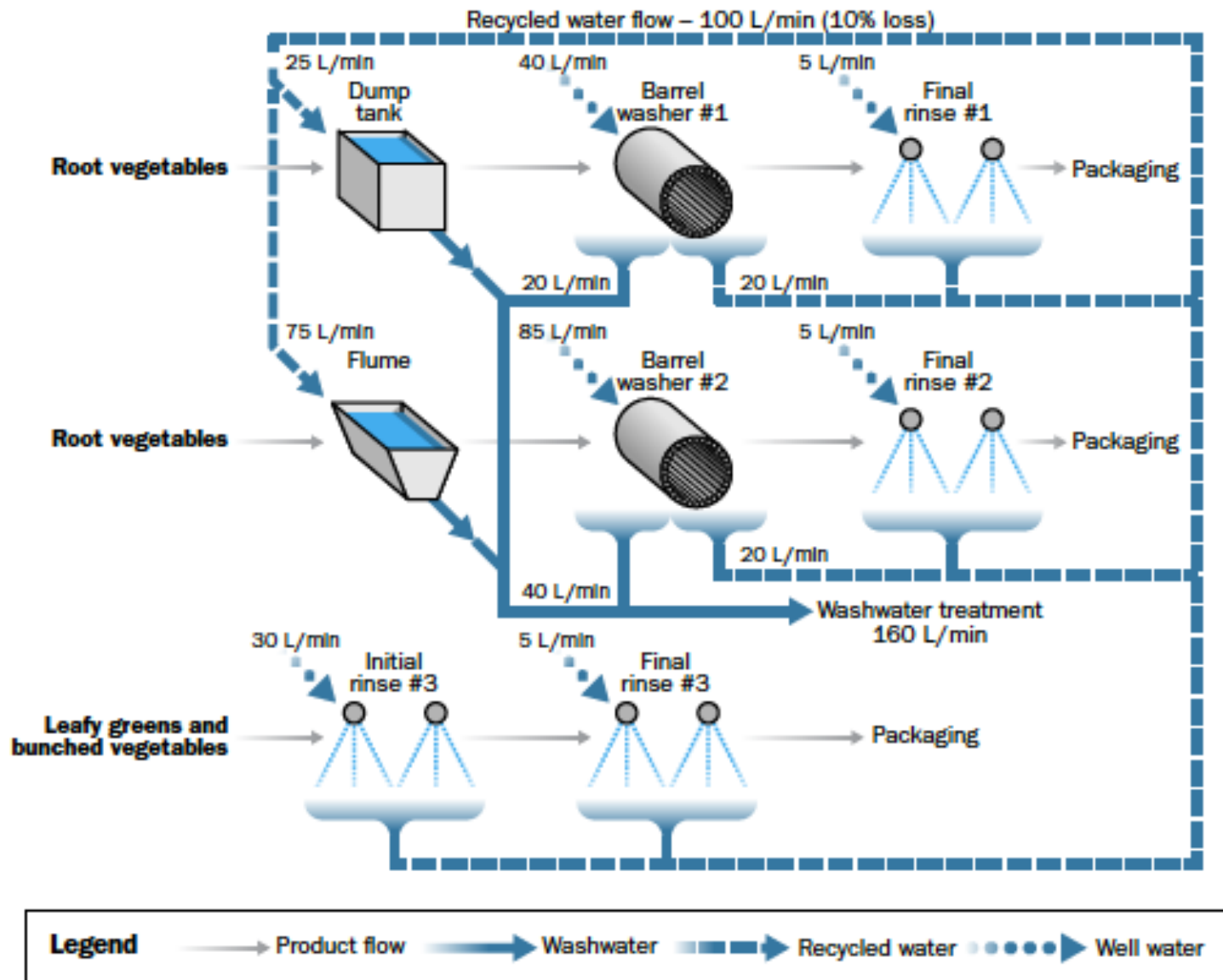
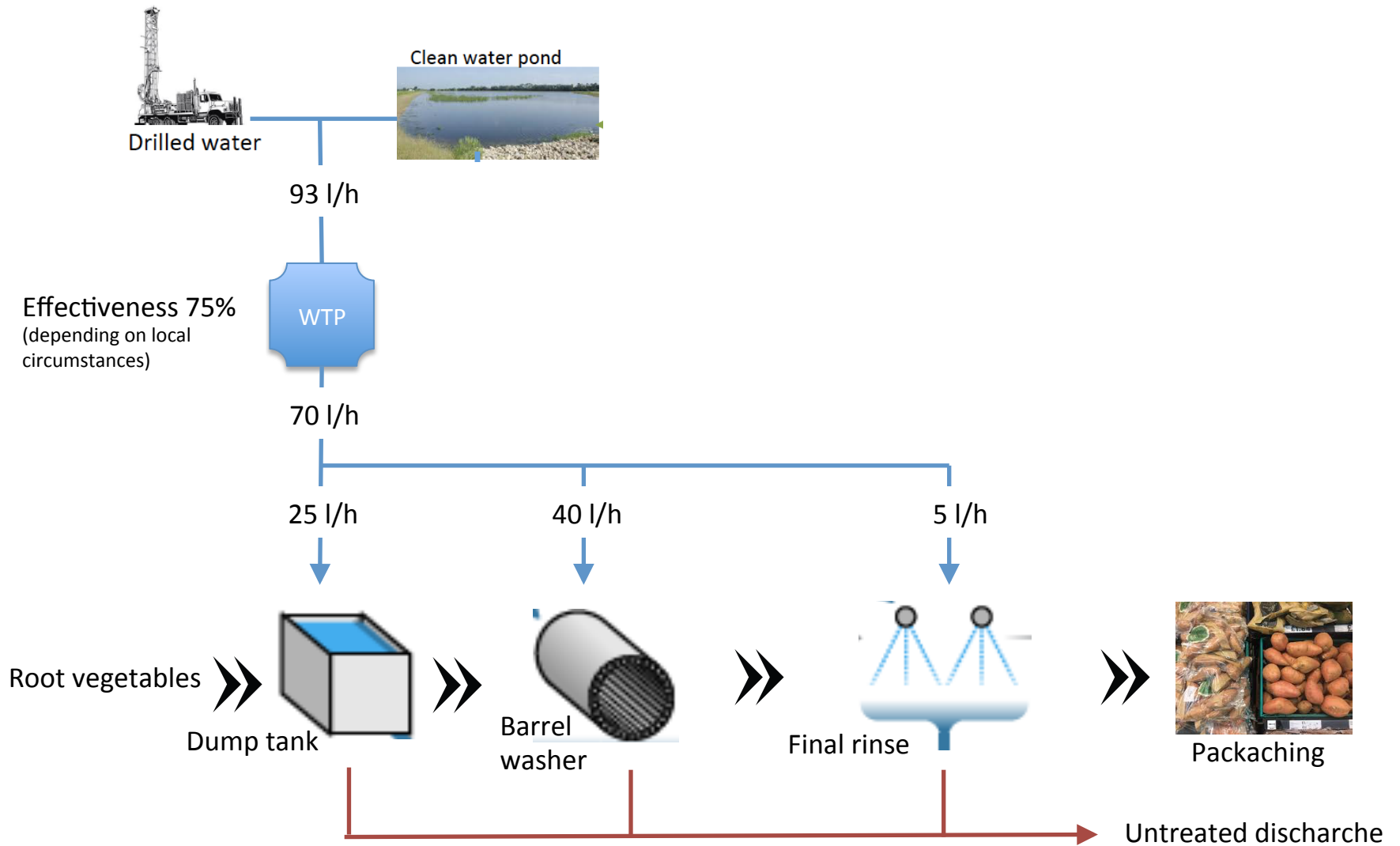
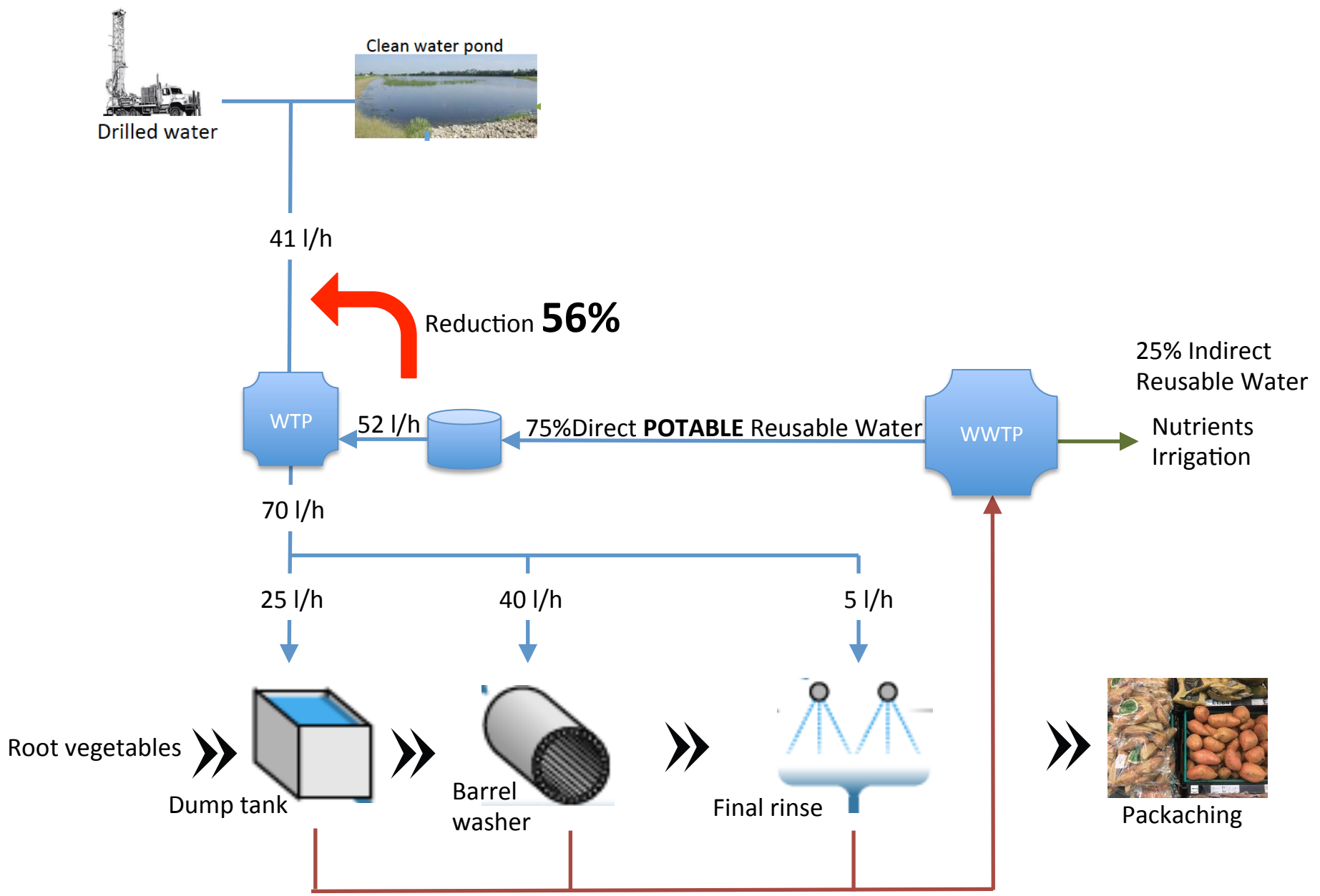


Figure 10.5. Existing washing system for a large-scale vegetable washing facility.





Drilled water

Clean water pond



41 l/h

Reduction **56%**



52 l/h

75% Direct **POTABLE** Reusable Water



25% Indirect Reusable Water

Nutrients Irrigation

70 l/h

25 l/h

40 l/h

5 l/h

Root vegetables



Dump tank



Barrel washer



Final rinse



Packaging