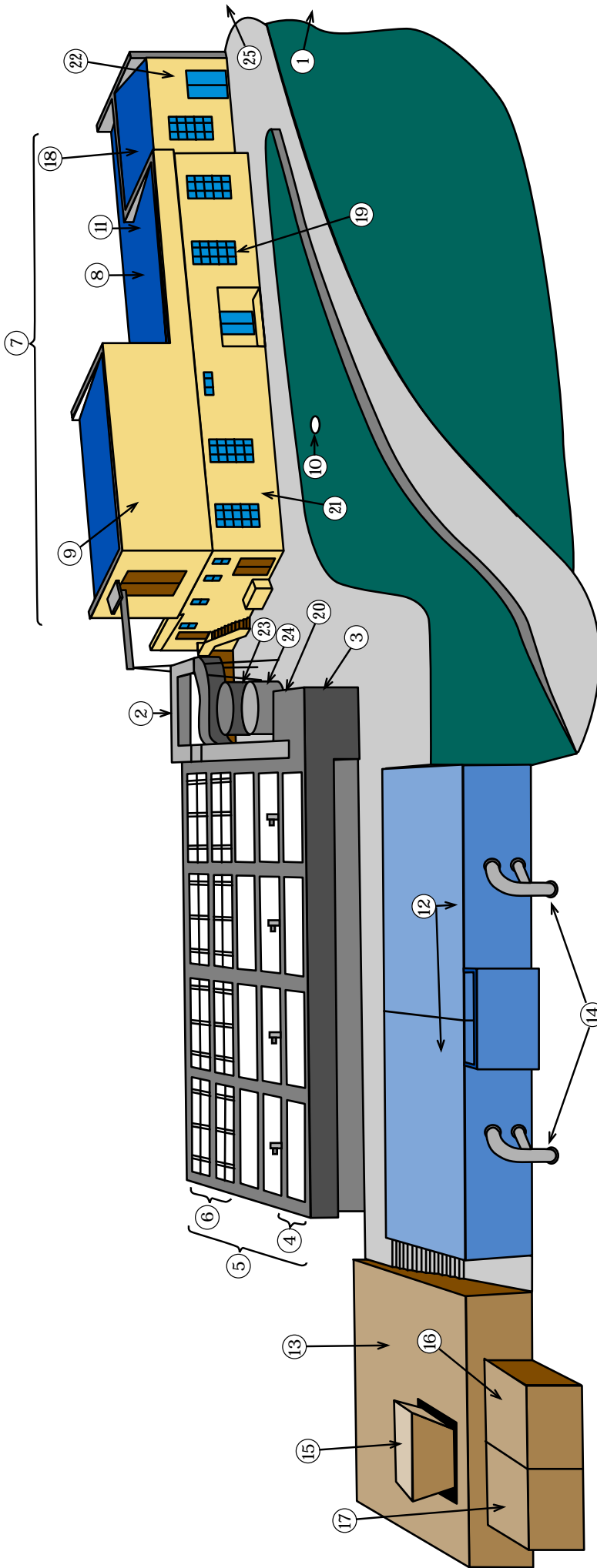


Palmerston North Turitea Treatment Plant 1999

CityWATER



1. Incoming water with Potassium permanganate and Soda Ash addition, control valve and flow meter
2. Alum addition, first stage flocculation and direct filtration by-pass
3. Instrument room
4. Second stage flocculation
5. Clarifiers
6. Tube Settlers
7. Dual Media Filters (at rear of building)
8. Control Room & Laboratory
9. Dry Chemical Store (Lime, Soda Ash, Potassium Permanganate, Polyelectrolyte, PolyDADMAC, Kibbled Alum)
10. Outlet Flow Meter
11. Upwash pumps and air scour blowers
12. Clear Water Tanks

13. Wastewater surge tank
14. Finished water outlets
15. Lamella separator
16. Wastewater motor control centre
17. Sludge and service water pumping room
18. Main motor control centre
19. Plant Supervisors Office
20. Chlorine storage and dosing area
21. Main chemical storage (Alum (liquid), Fluoride (Fluosilicic Acid)) and dosing area
22. Generator room
23. PolyDADMAC tank
24. Alum tank #3
25. Emergency assembly area