

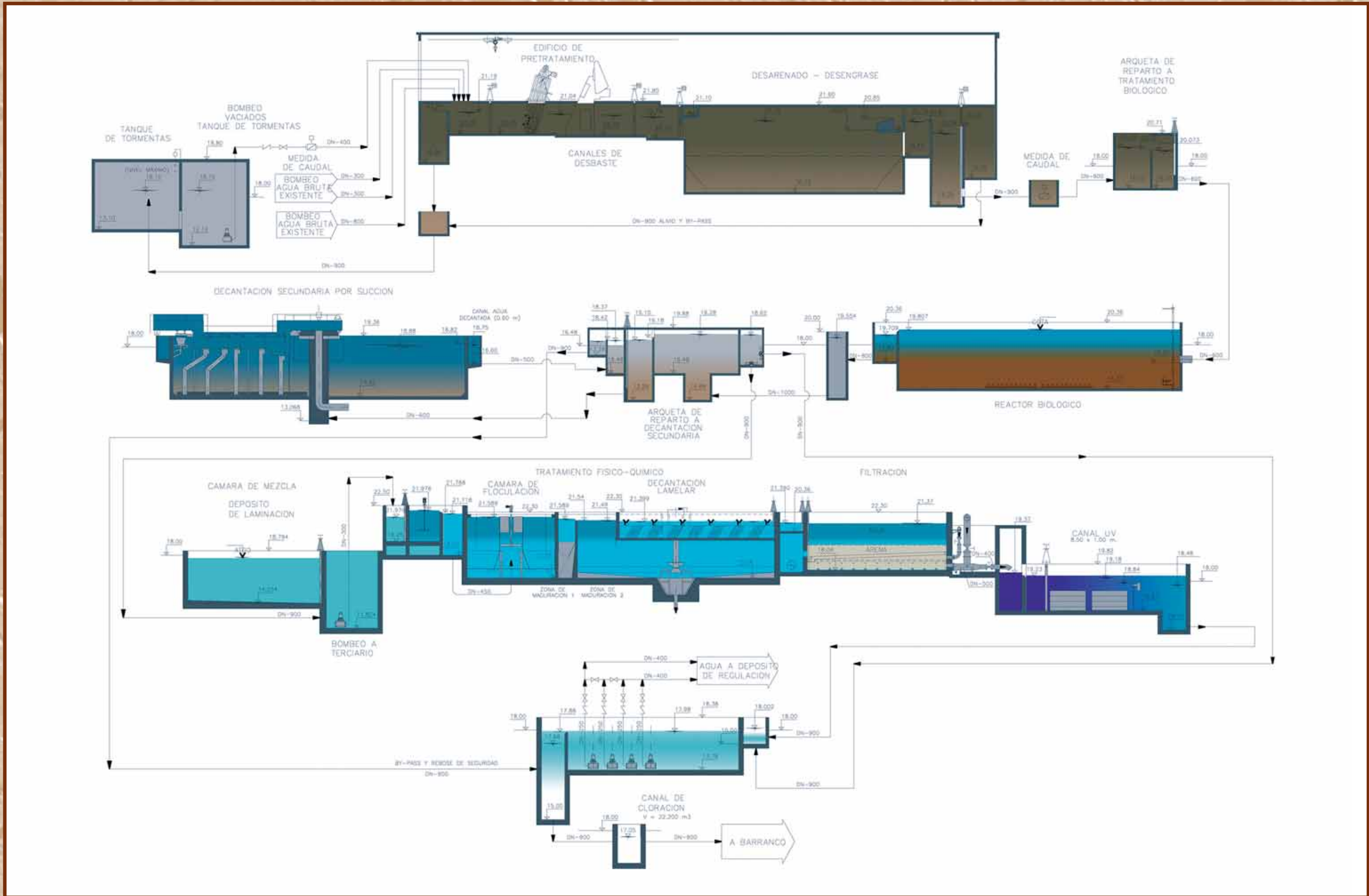
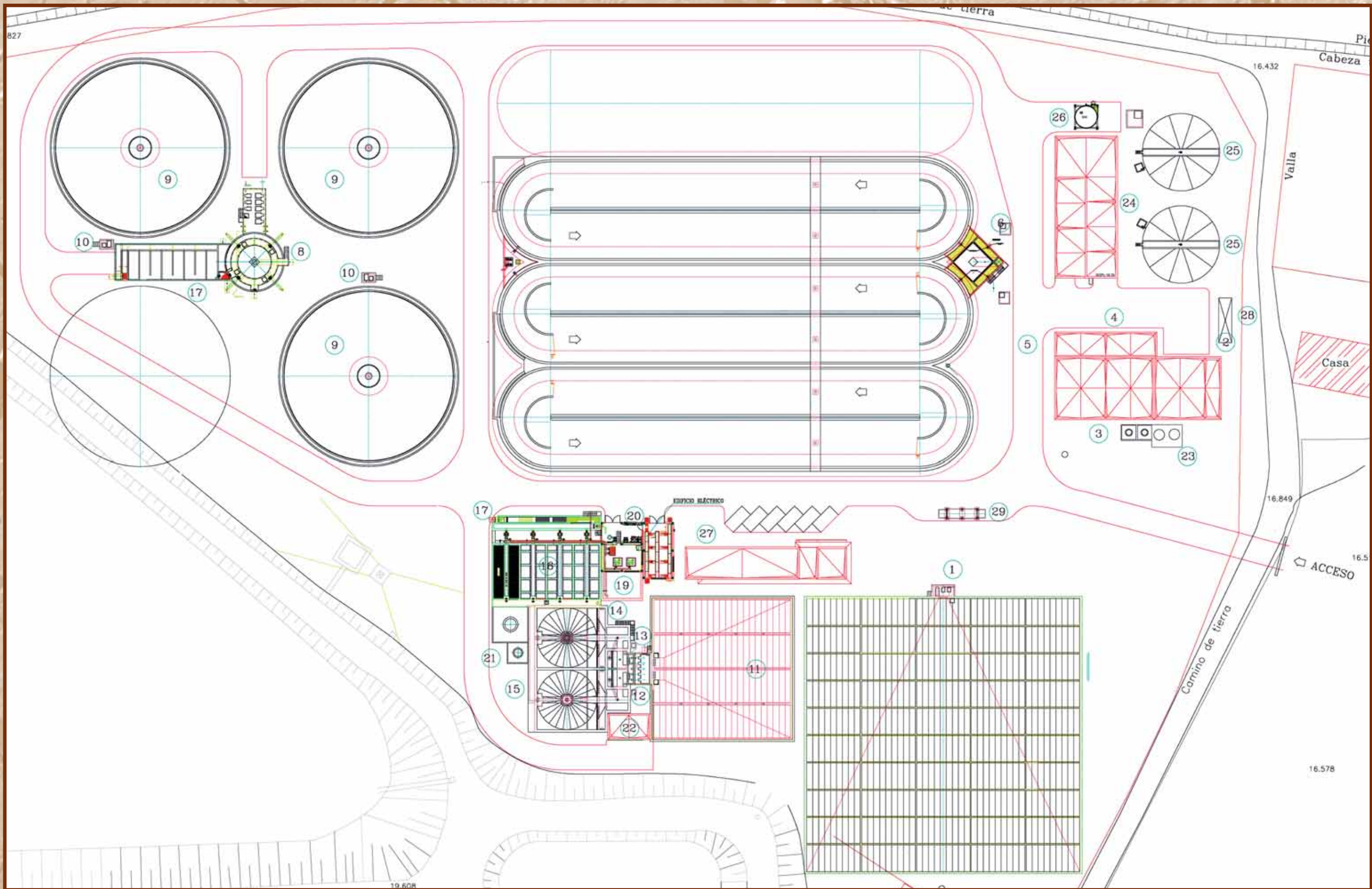
Segura river basin

Water Scarcity and Drought PILOT RIVER BASIN

REUSE OF TREATED SEWAGE WATERS

A measure towards an integrated water resource management

Los Alcázares sewage treatment plant: 22,500 m³/day for irrigation



Aerial view

Basic Data	
Total max. daily volume treated (m³/day)	22,500
Tertiary treatment	Yes
Biological treatment	Yes
Equivalent population	120,000
Construction cost	18,2 M€
Raw water inflow characteristics	
ODB.5 (mg/l)	320
OQD (mg/l)	600
S.S.T. (mg/l)	320
N.T.K. (mg/l)	60
P (mg/l)	10
Water quality after the biological treatment	
ODB.5 (mg/l)	25
OQD (mg/l)	125
S.S.T. (mg/l)	35
N.T.K. (mg/l)	10
P (mg/l)	1
Water quality after the tertiary treatment	
Turbidity (NTU) (ud)	5
Total coliform (ufc/100 ml) (ud)	200
Intestinal nematodes (eggs/l)	1
ODB.5 (mg/l)	10
OQD (mg/l)	50
S.S.T. (mg/l)	10



Sludge thickener



Digestion tanks