

ANGGARAN SAIZ TAPAK TANGKI/KOLAM SIMPANAN PERKHIDMATAN AIR/SEDUTAN
BAGI SKIM PEMBANGUNAN

Table B.2 : Minimum site dimensions for the combination of suction cistern, pumping station and service reservoir

Water Demand (l/d)	Site Dimension (Minimum)
227,001 – 454,000	23 m x 54 m
454,001 – 680,000	27 m x 59 m
680,001 – 900,000	32 m x 63 m
900,001 – 1,135,000	32 m x 68 m
1,135,001 – 2,270,000	36 m x 81 m
2,270,001 – 3,405,000	41 m x 90 m
3,405,001 – 6,810,000	45 m x 104 m
6,810,001 – 13,620,000	50 m x 130 m
>13,620,000	To be determined by Commission but subject to a minimum of 50 m x 150 m

Table B.3: Minimum site dimension for construction of suction cistern and pumping station

Water Demand (l/d)	Site Dimension (Minimum)
227,001 – 454,000	20 m x 27 m
454,001 – 680,000	23 m x 30 m
680,001 – 900,000	27 m x 32 m
900,001 – 1,135,000	32 m x 36 m
1,135,001 – 2,270,000	36 m x 41 m
2,270,001 – 3,405,000	41 m x 50 m
3,405,001 – 6,810,000	54 m x 59 m
6,810,001 – 13,620,000	68 m x 72 m
>13,620,000	To be approved by COMMISSION but subject to a minimum of 81 m x 88 m

- Note:
- Dimensions in the above table exclude areas for office, storeroom, toilet and quarters.
 - Setback 6.0 m (min) from edge of structural foundation for a ground reservoir and 9.0 m (min) for an elevated reservoir

Table B.4 : Minimum site dimensions for service reservoir (square footprint)

Reservoir Capacity	Site Dimension (Minimum) in metres	
	Ground Reservoir	Elevated Reservoir
227,001 – 454,000	22 x 22	28 x 28
454,001 – 680,000	24 x 24	30 x 30
680,001 – 900,000	26 x 26	32 x 32
900,001 – 1,135,000	28 x 28	34 x 34
1,135,001 – 2,270,000	30 x 30	36 x 36
2,270,001 – 3,405,000	34 x 34	44 x 44
3,405,001 – 6,810,000	44 x 44	55 x 55
6,810,001 – 13,620,000	57 x 57	71 x 71
>13,620,000	Subject to setback 6.0 m (min) from edge of structural foundation for a ground reservoir and 9.0 m (min) for an elevated reservoir structure.	

Table B.5 : Minimum site dimensions for service reservoir (circular footprint)

Reservoir Capacity	Site Dimension (Minimum) in metres	
	Ground Reservoir	Elevated Reservoir
227,001 – 454,000	23 x 23	29 x 29
454,001 – 680,000	26 x 26	32 x 32
680,001 – 900,000	27 x 27	34 x 34
900,001 – 1,135,000	29 x 29	35 x 35
1,135,001 – 2,270,000	33 x 33	42 x 42
2,270,001 – 3,405,000	37 x 37	48 x 48
3,405,001 – 6,810,000	49 x 49	60 x 60
6,810,001 – 13,620,000	68 x 68	77 x 77
>13,620,000	Subject to setback 6.0 m (min) from edge of structural foundation for a ground reservoir and 9.0 m (min) for an elevated reservoir structure.	