



CITY OF PORT ALBERNI - ENGINEERING DEPARTMENT INFRASTRUCTURE INVENTORY SUMMARY

* updated to end of 2011

SEWER & DRAINAGE

Connections		6519
Storm Sewers		100.3 km
Sanitary & Combined Sewers		158.1 km
Sanitary & Combined Manholes		2276.0
Storm Manholes		1380.0
Catchbasins		2366
Grit Chambers		11
Sump Manholes		19
	Pipe Diameter	
150mm and less		19.8 km
200mm		102.6 km
250mm		38.0 km
300mm		34.8 km
350mm		3.8 km
375mm		10.7 km
400mm		3.4 km
450mm		10.2 km
500mm		2.2 km
525mm		2.3 km
600mm		10.9 km
>600mm		13.6 km
mixed & unknown		6.2 km
		258.5
Sewage Pumpstations		5
- Wallace - 2x40 Hp @ 1200 gpm, 1x10 hp jockey		90 Hp
- Argyle - 2x140 Hp @ 250l/sec- only one at a time		280 Hp
- Josephine - 2x20 Hp submersibles		40 Hp
- Margaret - 2x20 Hp @ 1200 gpm		40 Hp
- 4th Ave - 2x10 Hp @ 400 gpm, submersibles		20 Hp
Storm Liftstation		1
- Margaret - 2x 75 Hp @ 20,000gpm		150 Hp
Forcemains		8.9 km
Storm Outfalls		107
Combined Overflows		4
Flood Gates		25
Major Culverts > 900mm		52
Ditches		9 km
Sewage Treatment Facility (Lagoon)		1
Aeration - 2 x 30HP (splash), 3 x 25 HP self-aspirating, 2 x 75 HP (splash), 2 x 30HP (directional) =		345 HP
Capacity (Volume)		80,000 m3
Average Flow		18,896 m3/day
Max Flow		58,500 m3/day
Min Flow		1,604 m3/day
Permit PE 297 - Flow (Continuous)		34,100 m3/day permit
- BOD5 (Monthly)	25mg/l average 2l	70 mg/l permit
- TSS (Monthly)	48mg/l average 2l	70 mg/l permit
- DO (Weekly)	3.3 mg/l average 2011	
Annual Volume Treated		6,897,032 m3