



## Official Community Plan

### DPA No. 8 Water Conservation

#### Area

Land within the municipal boundaries of the Corporation of the Township of Esquimalt

#### Designation

Development Permit Area No. 8 is designated for:

- Section 488 (1)(i)- Water conservation. *Note: For DPA justification and exemptions please refer to the Official Community Plan, pages 100-101.*

**If you are proposing a development within this DPA, please provide your application details in Section A. In Section B, please comment on how you propose to meet the DPA guidelines.**

#### Section A

Application No.	Project Address	Applicant Name
DP		

#### Section B

No.	Guideline-	Comments
<b>25.5.1</b>	<b>Building and Landscape Design</b>	
1	Reduce the burden on built stormwater infrastructure by designing on-site retention systems to retain the first three centimetres (1.25") of stormwater on site, per precipitation event.	
2	Provide space for absorbent landscaping, including significantly sized trees on the site and by not allowing underground parking structures to extend beyond building walls.	
3	Incorporate rainwater collection systems into roof design; consider using living roofs and walls as part of a rainwater collection system.	
4	Incorporate rain gardens into landscaping and direct rainwater towards vegetated areas.	



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5	Intersperse paved surfaces with drought resistant vegetation that will provide shade on those surfaces and design the paved surfaces to drain into the vegetation.	
6	Design landscaping with more planted and pervious surfaces than solid surfaces.	
7	Direct stormwater towards adjacent public spaces, with rain gardens/ bioswales located on public property where it would benefit both the new development and the municipality and where it is deemed appropriate by municipal staff.	

<b>25.5.2 Landscaping- Select Plantings for Site and Local Conditions</b>		
1	Retain existing native trees vegetation, and soil on site.	
2	Plant species native to the Coastal Douglas-fir biogeoclimatic zone, as they are most suited to our climate and require little additional irrigation once established.	
3	Consider shade, sunlight, heat, wind-exposure and sea spray, as well as water needs in the selection and placement of plant species.	
4	Group plants with similar water needs into hydro-zones.	



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25.5.3	Landscaping- Retaining Stormwater on Site (absorbent landscaping)	
1	Preserve and restore treed areas. Trees are the most effective form of absorbent landscaping due to their extensive root zones and their ability to both absorb water from the soil and intercept precipitation on leaves, needles and branches. Consider that native conifers are well adapted to local wet winters.	
2	Use pervious landscaping materials to enhance stormwater infiltration; permeable paving is preferable for surface parking areas.	
3	Avoid disturbing, compacting and removing areas of natural soil, as these are naturally absorbent areas.	
4	Locate civil servicing lines along driveways and other paved areas, to lessen the disturbance of natural soils and loss of their natural absorption qualities.	
5	Use good quality top soil and compost for the finish grading of disturbed areas to contribute to the water holding capacity of newly landscaped areas.	
6	Choose bark mulches or woodchips for walking paths for enhanced absorption.	
7	Plant at densities that will ensure vegetated areas have 100% plant canopy coverage after two full growing seasons. Consider that understory native plants are adapted to local climates, absorb seasonal soil moisture and reduce compaction due to foot traffic.	



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<b>25.5.4 Landscaping- Water Features and Irrigation Systems</b>		
1	Use automated high efficiency irrigation systems where irrigation is required.	
2	Incorporate stormwater retention features into irrigation system design.	
3	Use recirculated water systems for water features such as pools and fountains.	
4	Install plantings and irrigation systems to the Canadian Landscape Standard.	