

## STORMWATER MANAGEMENT

### Introduction

This chapter contains district-wide provisions that cover stormwater.

Stormwater runoff generated from land use and development can have adverse effects on property, communities and the environment, for example nuisance effects, flooding and water contamination. Stormwater quantity is predicted to increase as a result of climate change. Stormwater can be managed through water sensitive design that manages the volume and quality of stormwater that runs off a site. The control of the discharge of contaminants to land or water and the control of the use of land for the purpose of the maintenance and enhancement of water quality are CRC Canterbury Regional Council functions. Stormwater can, however, be a direct or potential effect of land use activities, and the District Council can manage land uses to avoid or mitigate these effects, and in order to support the achievement of integrated management.

In addition, under the Canterbury<sup>1</sup> Land and Water Regional Plan the District Council is required to manage the quantity and quality of all stormwater directed to and conveyed by the reticulated stormwater network, and from 1 January 2025 the quantity and quality of all stormwater discharged from that reticulated stormwater network. Accordingly, this chapter also seeks to address adverse effects on Council's stormwater network and the ability to obtain and comply with a discharge consent where consent has not been obtained from the District Council for the discharge to enter the Council's reticulated stormwater network.<sup>2</sup>

Recognising that water quality and quantity matters are also controlled by Environment Canterbury, the CRC Canterbury Regional Council<sup>3</sup>, this chapter includes exemptions consideration<sup>4</sup> for where an existing stormwater discharge consent is already held for the same activity from the CRC Canterbury Regional Council.

The provisions in this chapter are intended to give effect to the following national documents:

1. the New Zealand Coastal Policy Statement 2010 (NZCPS); and
2. the National Policy Statement for Freshwater Management 2020 (NPSFM).

Objectives	
<b>SW-O1</b>	<b>Stormwater management</b>
Subdivision, use and development within areas serviced by the Council's reticulated stormwater network do not increase peak demand on stormwater management systems or reduce water quality in the reticulated stormwater network.	
Policies	
<b>SW-P1</b>	<b>Stormwater quantity neutrality</b>
Require subdivision, use and development to achieve stormwater neutrality or improvements in areas where there is a Council reticulated stormwater network, so that the reticulated stormwater network does not function beyond its capacity and cause or exacerbate flooding.	
<b>SW-P2</b>	<b>Water quality</b>

<sup>1</sup> TDC [42.23]

<sup>2</sup> Kainga Ora [229.24]

<sup>3</sup> TDC [42.23]

<sup>4</sup> Kainga Ora [229.24]

Maintain ~~and~~ <sup>5</sup> enhance stormwater quality by requiring:

1. restrictions on specified cladding materials that contribute to stormwater contamination; and
2. the treatment of stormwater quality, if required,<sup>6</sup> for new or increased ~~impervious surfaces~~ trafficked hardstand areas<sup>7</sup> created by subdivision, use or development.

#### **SW-P3**      **Connection to reticulated stormwater networks**

Except where ~~Policy~~ SW-P4 and SW-P5 applies,<sup>8</sup> Require all subdivision, use and development to connect to the Council's reticulated stormwater network within reticulated infrastructure boundaries, to:

1. ensure that stormwater does not create increased flood risk on other properties; and
2. manage stormwater quality impacts through an integrated management approach.

#### **SW-P4**      **Stormwater from roads**

Require stormwater from new roads to:

1. be treated to improve stormwater quality; and
2. reduce the peak flow entering the Council's reticulated stormwater network.

#### **SW-P5**      **Regionally significant infrastructure<sup>9</sup>**

Provide for alternative methods for managing stormwater from regionally significant infrastructure that are not roads, where:

1. connection to the Council's reticulated stormwater network within reticulated infrastructure boundaries is not practicable, having regard to the operational needs of the regionally significant infrastructure; and
2. an alternative method results in stormwater being appropriately managed within the site.

## Rules

**Note:** Activities not listed in the rules of this chapter are classified as a permitted under this chapter. For certain activities, consent may be required by rules in more than one chapter in the District Plan. Unless expressly stated otherwise by a rule, consent is required under each of those rules. The steps plan users should take to determine what rules apply to any activity, and the status of that activity, are provided in Part 1, HPW — How the Plan Works - General Approach.

### **Section A: Activities in the Residential Zones, Rural Lifestyle Zone, Settlement Zone and Māori Purpose Zone<sup>10</sup>**

<b>SW-R1</b>	<b>All developments, other than a road that result in an increase in impervious surfaces of greater than 30m<sup>2</sup> and less than 500m<sup>2</sup>, and where less than 70% of the site is impervious surface<sup>11</sup></b>	
<b>All zones</b>	<b>Activity status: Permitted</b>	<b>Activity status when compliance not achieved: Restricted Discretionary</b>
<b>Where there is an available</b>	<b>Where: PER-1</b>	

<sup>5</sup> Waka Kotahi [143.32]

<sup>6</sup> BP Oil, et al [196.33]

<sup>7</sup> BP, et al [196.38]

<sup>8</sup> Clause 16(2)

<sup>9</sup> Evidence of Ms McLeod for Transpower [159] for Hearing E, dated 23 January 2025 (paragraph 66).

<sup>10</sup> Kainga Ora [229.24],

<sup>11</sup> Kainga Ora [229.24] for all the changes to SW-R1 and the remainder of the chapter

<p><b>Council reticulated stormwater network in any of the:</b></p>	<p>All stormwater is captured and directed to the Council’s reticulated stormwater network; and</p>	<p><b>Matters of discretion are restricted to:</b></p>
<p><b>Residential Zones</b></p>	<p><b>PER-2</b> a <u>stormwater discharge certificate</u> Written permission has been obtained from the <u>Council owner</u> of the reticulated stormwater network that <u>authorises the discharge of stormwater into the Council’s reticulated stormwater network</u>, in accordance with SW-S3 that allows entry of the stormwater into the reticulated stormwater network; or</p>	<ol style="list-style-type: none"> <li>1. <del>the extent to which the stormwater neutrality device under PER-4 achieves stormwater neutrality; and</del></li> <li>2. the extent of any potential flood risk from additional stormwater exceeding the capacity of the Council’s reticulated stormwater network; and</li> <li>3. the adverse effects of stormwater on a neighbouring property or road; and</li> <li>4. any relevant site or operational constraints; and</li> <li>5. <del>Whether there is an existing CRC regional council consent for the discharge and the extent to which it addresses matters of stormwater quality and quantity; and</del></li> <li>6. whether adequate compliance can be achieved by other means such as infiltration trenches, swales, ponds, drywells, permeable pavements or other collection and filtration devices as set out in the Timaru District Council Infrastructure Design Standards; and</li> <li>7. <del>The effects of the discharge on the values of Kāti Huirapa; and</del></li> <li>8. the extent to which the stormwater neutrality device or other system proposed achieves a secondary function of treating stormwater quality <u>for trafficked hardstand areas</u> prior to the water entering the wider reticulated stormwater network through the use of <del>roadside swales</del>, filter strips and rain gardens; constructed wetland treatment area or other in-situ treatment device; and</li> <li>9. <del>for Regionally Significant Infrastructure, whether the stormwater is able to be adequately managed within the site.</del><sup>14</sup></li> </ol>
<p><b>Rural Lifestyle Zone</b></p>	<p><b>PER-3</b> A certificate has been obtained from the Council that confirms a connection to the Council’s reticulated stormwater network is <u>not required</u>. A rainwater storage system is provided that complies with SW-S1; and<sup>12</sup></p>	
<p><b>Settlement Zone</b></p>	<p><b>PER-4</b> The development achieves stormwater neutrality in accordance with SW-S2, less the retention volume achieved under PER-3,<sup>13</sup> when the stormwater is discharged to the reticulated stormwater network.</p>	
<p><b>Māori Purpose Zone</b></p>	<p><b>Note:</b> <i>Guidance on stormwater management requirements <u>including the obtaining a stormwater discharge certificate</u> can be found in the Timaru District Council Infrastructure Design Standards. This rule does not apply where stormwater management has already expressly been considered by the Timaru District Council for the site as part of a granted subdivision consent or as part of a community stormwater attenuation scheme. A stormwater discharge certificate may already have been provided by</i></p>	

<sup>12</sup> Rooney, et al [174.20, 191.20, 249.20, 250.20, 251.20, 252.20]

<sup>13</sup> Rooney, et al [174.20, 191.20, 249.20, 250.20, 251.20, 252.20]

<sup>14</sup> Transpower [159.55]

	<p><del>the District Council for stormwater discharge from the site as part of a subdivision consent granted after 2010 or as part of a community stormwater attenuation scheme. Please check with the Council if you are unsure.</del></p>	
<p><b>SW-R2</b></p>	<p><del>All developments, other than a road, that result in an increase in impervious surfaces of 500m<sup>2</sup> or greater, or where 70% or more of the site is impervious surface<sup>15</sup></del></p>	
<p><b>Where there is an available reticulated stormwater network in any of the:</b></p> <p><b>Residential Zones</b></p> <p><b>Rural Lifestyle Zone</b></p> <p><b>Settlement Zone</b></p> <p><b>Māori Purpose Zone</b></p>	<p><b>Activity status: Permitted</b></p> <p><b>Where:</b></p> <p><b>PER-1</b> All stormwater is captured and directed to the Council's reticulated stormwater network and does not flow onto neighbouring properties;<sup>16</sup> and</p> <p><b>PER-2</b> Written permission has been obtained from the owner of the reticulated stormwater network in accordance with SW-S3 that allows entry of the stormwater into the reticulated stormwater network.</p> <p><b>Note:</b> <del>Guidance on stormwater management requirements can be found in the Timaru District Council Infrastructure Design Standards.</del></p>	<p><b>Activity status when compliance not achieved: Restricted Discretionary</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ol style="list-style-type: none"> <li><del>1. the extent to which the design, location, capacity, type and construction of a stormwater neutrality device or other system proposed is sized, to ensure stormwater neutrality is achieved; and</del></li> <li><del>2. the extent of any potential flood risk from additional stormwater exceeding the capacity of the Council's reticulated stormwater network; and</del></li> <li><del>3. the adverse effects of stormwater on a neighbouring property or road; and</del></li> <li><del>4. the consequences of a lack of maintenance of the stormwater neutrality device or other system proposed; and</del></li> <li><del>5. any relevant site or operational constraints; and</del></li> <li><del>6. the extent to which the stormwater neutrality device or system achieves a secondary function of treating stormwater quality prior to the water entering the wider reticulated stormwater network through the use of roadside swales, filter strips and rain gardens; constructed wetland treatment area or other in-situ treatment device; and</del></li> <li><u>7. for Regionally Significant Infrastructure, whether the</u></li> </ol>

<sup>15</sup> Kainga Ora [229.24], PrimePort [175.22], Timaru District Holdings [186.8]

<sup>16</sup> Milward Finlay Lobb [60.16]

		<u>stormwater is able to be adequately managed within the site.</u> <sup>17</sup>
<b>SW-R3</b>	<del>Non-residential activities that include <u>new</u><sup>18</sup> impervious surfaces of 500m<sup>2</sup> or greater for carparking, excluding stormwater discharges that are authorised by a resource consent from the Canterbury Regional Council pursuant to the relevant Regional Plan<sup>19</sup></del>	
<b>Where there is an available reticulated stormwater network in any of the Residential Zones</b>	<p><b>Activity status: Permitted</b></p> <p><b>Where:</b></p> <p><b>PER-1</b> All stormwater is captured and directed to the Council’s reticulated stormwater network and does not flow onto neighbouring properties;<sup>20</sup> and</p> <p><b>PER-2</b> 1. Written permission has been obtained from the owner of the reticulated stormwater network in accordance with SW-S4 that allows entry of the stormwater into the reticulated stormwater network; <u>or</u> 2. <u>the stormwater discharge is authorised by a resource consent from the Canterbury Regional Council pursuant to the relevant Regional Plan.</u></p> <p><b>Note:</b> Guidance on stormwater management requirements can be found in the Timaru District Council Infrastructure Design Standards.</p>	<p><b>Activity status when compliance not achieved: Restricted Discretionary</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ol style="list-style-type: none"> <li>1. the adverse effects of stormwater on a neighbouring property, waterway or road; and</li> <li>2. the effects of any additional contaminants entering the Council’s reticulated stormwater network; and</li> <li>3. any relevant site or operational constraints; <u>and</u></li> <li>4. <u>for Regionally Significant Infrastructure, whether the stormwater is able to be adequately managed within the site.</u><sup>21</sup></li> </ol>

**Section B: Activities in the General Industrial Zone, Strategic Rural Industry Zone,<sup>22</sup> Port Zone and Open Space and Recreation zones**

<b>SW-R4</b>	<del>All developments, other than a road, that result in an increase in impervious surfaces of greater than 30m<sup>2</sup>, excluding stormwater discharges that are authorised by a resource consent from the Canterbury Regional Council pursuant to the relevant regional plan<sup>23</sup> combine SW-R4 and SW-R5 and make it 50m2 or 150m2 threshold – TDC to confirm</del>	
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<sup>17</sup> Transpower [159.55]

<sup>18</sup> BP Oil, et al [196.35]

<sup>19</sup> BP Oil, et al [196.36]

<sup>20</sup> Milward Finlay Lobb [60.17]

<sup>21</sup> Transpower [159.55]

<sup>22</sup> Fonterra Limited [165.37], subject to the Panel recommending to create a new zone

<sup>23</sup> BP Oil, et al [196.36]

<p><b>Where there is an available reticulated stormwater network in any of the:</b></p> <p><b>General industrial Zone</b></p> <p><b>Port Zone</b></p> <p><b>Open Space and Recreation Zones</b></p> <p><b><u>Strategic Rural Industry Zone</u></b><sup>24</sup></p>	<p><b>Activity status: Permitted</b></p> <p><b>Where:</b></p> <p><b>PER-1</b> All stormwater is captured and directed to the Council's reticulated stormwater network and does not flow onto neighbouring properties;<sup>25</sup> and</p> <p><b>PER-2</b> Written permission has been obtained from the owner of the reticulated stormwater network in accordance with SW-S3 and SW-S4<sup>26</sup> that allows entry of the stormwater into the reticulated stormwater network; and</p> <p><b>PER-3</b> <u>1. Written permission has been obtained from the owner of the reticulated stormwater network in accordance with SW-S4 that allows entry of the stormwater into the reticulated stormwater network; or</u> <u>2. the stormwater discharge is authorised by a resource consent from the Canterbury Regional Council pursuant to the relevant regional plan.</u><sup>27</sup></p> <p><b>Note:</b> <i>Guidance on stormwater management requirements can be found in the Timaru District Council Infrastructure Design Standards.</i> <u><i>This rule does not apply where stormwater management has already expressly been considered by the Timaru District Council for the site as part of a granted subdivision consent or as part of a community stormwater attenuation scheme.</i></u><sup>28</sup></p>	<p><b>Activity status when compliance not achieved: Restricted Discretionary</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ol style="list-style-type: none"> <li><del>1. the extent to which the design, location, capacity, type and construction of the stormwater neutrality device or other system proposed is sized, to ensure stormwater neutrality is achieved; and</del></li> <li><del>2. the extent of any potential flood risk from additional stormwater exceeding the capacity of the Council's reticulated stormwater network; and</del></li> <li><del>3. <u>the effectiveness of the maintenance plan that is in place for the consequences of a lack of maintenance of</u><sup>29</sup> the stormwater neutrality device; and</del></li> <li><del>4. the adverse effects of stormwater on a neighbouring property, waterway or road; and</del></li> <li><del>5. the effects of any additional contaminants entering the Council's reticulated stormwater network; and</del></li> <li><del>6. any relevant site or operational constraints; and</del></li> <li><del>7. <u>for Regionally Significant Infrastructure, whether the stormwater is able to be adequately managed within the site.</u></del><sup>30</sup></li> </ol>
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### Section C: Activities in the Commercial and mixed-use zones

<sup>24</sup> Fonterra Limited [165.37], subject to the Panel recommending to create a new zone

<sup>25</sup> Milward Finlay Lobb [60.18]

<sup>26</sup> BP Oil, et al [196.36]

<sup>27</sup> BP Oil, et al [196.36]

<sup>28</sup> Rooney, et al [174.20, 191.20, 249.20, 250.20, 251.20, 252.20] and Kāinga Ora [229.24]

<sup>29</sup> Silver Fern Farms [172.18] and BP Oil, et al [196.36]

<sup>30</sup> Transpower [159.55]

<b>SW-R5</b>	<del>All developments, other than a road, that result in an increase in trafficked impervious surfaces of greater than 50m<sup>2</sup>, excluding stormwater discharges that are authorised by a resource consent from the Canterbury Regional Council pursuant to the relevant Regional Plan<sup>34</sup></del>	
<p><del>Where there is an available reticulated stormwater network in the:</del></p> <p><b>Commercial and Mixed-use Zones</b></p>	<p><del>Activity status: Permitted</del></p> <p><del>Where:</del></p> <p><b>PER-1</b> All stormwater is captured and directed to the Council's reticulated stormwater network and does not flow onto neighbouring properties;<sup>32</sup> and</p> <p><b>PER-2</b> Written permission has been obtained from the owner of the reticulated stormwater network in accordance with SW-S3 and SW-S4<sup>33</sup> that allows entry of the stormwater into the reticulated stormwater network; and</p> <p><b>PER-3</b> <u>1. Written permission has been obtained from the owner of the reticulated stormwater network in accordance with SW-S4 that allows entry of the stormwater into the reticulated stormwater network; or</u> <u>2. the stormwater discharge is authorised by a resource consent from the Canterbury Regional Council pursuant to the relevant regional plan.</u><sup>34</sup></p> <p><b>Note:</b> <i>Guidance on stormwater management requirements can be found in the Timaru District Council Infrastructure Design Standards.</i> <u>? This rule does not apply where stormwater management has already expressly been considered by the Timaru District Council for the site as part of a granted subdivision</u></p>	<p><del>Activity status when compliance not achieved: Restricted Discretionary</del></p> <p><b>Matters of discretion are restricted to:</b></p> <ol style="list-style-type: none"> <li><del>1. the extent to which the design, location, capacity, type and construction of the stormwater neutrality device or other system proposed is sized, to ensure stormwater neutrality is achieved; and</del></li> <li><del>2. the extent of any potential flood risk from additional stormwater exceeding the capacity of the Council's reticulated stormwater network; and</del></li> <li><del>3. the effectiveness of the maintenance plan that is in place for the consequences of a lack of maintenance of<sup>36</sup> the stormwater neutrality device; and</del></li> <li><del>4. the adverse effects of stormwater on a neighbouring property, waterway or road; and</del></li> <li><del>5. the effects of any additional contaminants entering the Council's reticulated stormwater network; and</del></li> <li><del>6. any relevant site or operational constraints; and</del></li> <li><del>7. for Regionally Significant Infrastructure, whether the stormwater is able to be adequately managed within the site.<sup>37</sup></del></li> </ol>

<sup>31</sup> BP Oil, et al [196.36]

<sup>32</sup> Milward Finlay Lobb [60.19]

<sup>33</sup> BP Oil, et al [196.36]

<sup>34</sup> BP Oil, et al [196.36]

<sup>36</sup> Silver Fern Farms [172.18] and BP Oil, et al [196.37]

<sup>37</sup> Transpower [159.55]

consent or as part of a community stormwater attenuation scheme.<sup>35</sup>

#### Section D: Activities in all zones

<p><b>SW-R62</b></p>	<p>Any maintenance or upgrading of a road that results in an increase of greater than 100m<sup>2</sup> of impervious surfaces, or any new road, excluding footpaths and vehicle crossings and stormwater discharges that are authorised by a resource consent from the Canterbury Regional Council pursuant to the relevant Regional Plan</p>	
<p><b>All <u>Z</u>zones <u>W</u>here there is an available Council reticulated stormwater network</b></p>	<p><b>Activity status: Restricted Discretionary Permitted</b></p> <p><b>Where:</b></p> <p><b>PER-1</b> <u>All stormwater is captured and directed to the Council's reticulated stormwater network and a stormwater discharge certificate has been obtained from the Council that authorises the discharge of stormwater into the Council's reticulated stormwater network; or</u></p> <p><b>PER-2</b> <u>A certificate has been obtained from the Council that confirms a connection to the Council's reticulated stormwater network is not required.</u></p>	<p><b>Activity status when compliance not achieved: Not applicable</b> <b>Restricted discretionary</b></p> <p><b>Matters of discretion are restricted to:</b></p> <ol style="list-style-type: none"> <li>1. the effects of any additional stormwater on the Council's reticulated stormwater network, including any increase in flooding and any additional contaminants; and</li> <li>2. the ability to off-set stormwater requirements (treatment or attenuation) within the catchment that can mitigate the effects of what is being proposed; and</li> <li>3. the extent to which the proposed mitigation is the best practicable option; and</li> <li>4. any relevant site or operational constraints, and</li> <li>5. <u>the extent to which contaminants from hardstand trafficked areas are removed as part of any proposed water quality treatment system</u> ability to meet the Minimum Treatment Contaminant Removal Rates in SW-S4.</li> </ol>
<p><b>SW-R73</b></p>	<p>The installation of any <u>new copper, galvanised metal, unpainted zincalume aluminium/zinc alloy coating</u> or any other unpainted metal, used in roof material, gutters, downpipes or external <u>sheet cladding</u> of buildings or structures <u>but excluding fixings and flashings</u><sup>38</sup></p>	
<p><b>All <u>Z</u>zones where there is an available reticulated</b></p>	<p><b>Activity status: Restricted Discretionary</b></p> <p><b>Matters of discretion are restricted to:</b></p>	<p><b>Activity status when compliance not achieved: Not applicable</b></p>

<sup>35</sup> Rooney, et al [174.20, 191.20, 249.20, 250.20, 251.20, 252.20] and Kāinga Ora [229.24]

<sup>38</sup> PrimePort [175.24], Timaru District Holdings [186.10] and BP Oil, et al [196.38]

<b>stormwater network</b>	<ol style="list-style-type: none"> <li>1. the effects of any contaminants on the Council’s reticulated stormwater network; and</li> <li>2. the ability to off-set stormwater treatment requirements within the catchment that can mitigate the effects of what is being proposed; and</li> <li>3. the extent to which the proposed mitigation is the best practicable option; and</li> <li>4. any relevant site or operational constraints.</li> </ol>	
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Standards					
<b>SW-S1</b>	<b>Rainwater Storage Systems</b>				
<b>Residential Zones</b>	<ol style="list-style-type: none"> <li>1. Rainwater storage systems must be provided and sized in accordance with the following specifications:                             <ol style="list-style-type: none"> <li>a. 10 — 49m<sup>2</sup> of additional impervious surface: 250 litre storage.</li> <li>b. 50 — 99m<sup>2</sup> of additional impervious surface: 500 litre storage.</li> <li>c. 100 — 199m<sup>2</sup> of additional impervious surface: 1,000 litre storage.</li> <li>d. 200 — 499m<sup>2</sup> of additional impervious surface: 2,500 litre storage.<sup>39</sup></li> </ol> </li> </ol>				
<b>SW-S2<del>1</del></b>	<b>Stormwater neutrality devices or systems</b>				
<b>All Zones</b>	<ol style="list-style-type: none"> <li>1. A stormwater neutrality device or system must be:                             <ol style="list-style-type: none"> <li>a. sized, to ensure stormwater neutrality is achieved for the area of impervious surface that is increased; and</li> <li>b. fully operational prior to the use of the impervious area; and</li> <li>c. located and designed to provide access for maintenance.</li> </ol> </li> </ol> <p><b>Note:</b></p> <ol style="list-style-type: none"> <li>1. <del>a stormwater neutrality device or system may include rain tanks, infiltration trenches, swales, ponds, drywells, permeable pavements or other collection and filtration devices. A means of compliance can be found in the Timaru District Council Infrastructure Design Standards.</del></li> </ol>				
<b>SW-S3<del>2</del></b>	<b>Stormwater quantity permission requirements</b>				
<b>4 General Residential zone;</b>	<p>The Council will grant a stormwater discharge certificate under the Timaru District Council Consolidated Bylaw permission<sup>40</sup> to connect to the Council’s Public<sup>41</sup> reticulated stormwater network if the development meets the requirements set out in Table 4 below and in accordance with SW-S2.</p>				
<b>Medium Density Residential Zone;</b>	<p><b>Table 4 — Stormwater Quantity Requirements for increased impervious surface in residential zones and areas</b></p> <table border="1" style="width: 100%; background-color: #a6a6a6;"> <thead> <tr> <th style="width: 50%;">Activity</th> <th style="width: 50%;">Requirements for increased impervious surface</th> </tr> </thead> <tbody> <tr> <td style="height: 20px;"> </td> <td> </td> </tr> </tbody> </table>	Activity	Requirements for increased impervious surface		
Activity	Requirements for increased impervious surface				

<sup>39</sup> Rooney, et al [174.20, 191.20, 249.20, 250.20, 251.20, 252.20]

<sup>40</sup> Clause 16(2)

<sup>41</sup> Clause 16(2)

<b>Rural Lifestyle Zone;</b>  <b>Māori Purpose Zone;</b>  <b>Settlement Zone</b>		<b>Stormwater neutrality</b>	<b>Event Duration</b>											
	Development results in: 1. an increase in impervious surface between 30m <sup>2</sup> and 500m <sup>2</sup> ; and 2. less than 70% of the site is covered by impervious surface	1 in 10-year	1-hour event											
	Development result in: 1. an increase in impervious surface of 500m <sup>2</sup> or greater; or 2. 70% or more of the site is covered by impervious surface	1 in 10-year	24-hour event											
<b>2 General Industrial Zone;</b>  <b>Port Zone;</b>  <b>Open Space and Recreation Zones</b>	<p>The Council will grant a stormwater discharge certificate under the Timaru District Council Consolidated Bylaw permission<sup>42</sup> to connect to the Council's Public<sup>43</sup> reticulated stormwater network if the development meets below requirements set out in Table 5 below and in accordance with SW-S2.</p> <p><b>Table 5 — Stormwater Quantity Requirements for increased impervious surface in the Industrial zone and Open space zones</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Activity</th> <th colspan="2">Requirements for increased impervious surface</th> </tr> <tr> <th>Stormwater neutrality</th> <th>Event Duration</th> </tr> </thead> <tbody> <tr> <td>Development results in an increase in impervious surface between 30m<sup>2</sup> and 500m<sup>2</sup></td> <td>1 in 50-year</td> <td>1-hour event</td> </tr> <tr> <td>Development results in an increase in impervious surface of 500m<sup>2</sup> or greater</td> <td>1 in 50-year</td> <td>24-hour event</td> </tr> </tbody> </table>			Activity	Requirements for increased impervious surface		Stormwater neutrality	Event Duration	Development results in an increase in impervious surface between 30m <sup>2</sup> and 500m <sup>2</sup>	1 in 50-year	1-hour event	Development results in an increase in impervious surface of 500m <sup>2</sup> or greater	1 in 50-year	24-hour event
	Activity	Requirements for increased impervious surface												
		Stormwater neutrality	Event Duration											
	Development results in an increase in impervious surface between 30m <sup>2</sup> and 500m <sup>2</sup>	1 in 50-year	1-hour event											
	Development results in an increase in impervious surface of 500m <sup>2</sup> or greater	1 in 50-year	24-hour event											
<p>The Council will grant a stormwater discharge certificate under the Timaru District Council Consolidated Bylaw permission<sup>44</sup> to connect to the Council's Public<sup>45</sup> reticulated stormwater network if the development meets below requirements set out in Table 6 below and in accordance with SW-S2.</p> <p><b>Table 6 — Stormwater Quantity Requirements for increased impervious surface in the Commercial and mixed use zones</b></p> <table border="1"> <thead> <tr> <th rowspan="2">Activity</th> <th colspan="2">Requirements for increased impervious surface</th> </tr> <tr> <th>Stormwater neutrality</th> <th>Event Duration</th> </tr> </thead> <tbody> </tbody> </table>			Activity	Requirements for increased impervious surface		Stormwater neutrality	Event Duration							
Activity	Requirements for increased impervious surface													
	Stormwater neutrality	Event Duration												

<sup>42</sup> Clause 16(2)

<sup>43</sup> Clause 16(2)

<sup>44</sup> Clause 16(2)

<sup>45</sup> Clause 16(2)

	Development results in an increase in impervious surface between 50m <sup>2</sup> and 500m <sup>2</sup>	1 in 50-year	1-hour event		
	Development results in an increase in impervious surface of 500m <sup>2</sup> or greater	1 in 50-year	24-hour event		
<b>SW-S43</b>	<b>Stormwater quality permission requirements</b>				
<b>Commercial and Mixed-use Zones</b>	<p>1. <del>The Council will grant a stormwater discharge certificate under the Timaru District Council Consolidated Bylaw to connect to the Public reticulated stormwater network following certification of a treatment system designed to improve contaminate levels of gross pollutants, total suspended solids and hydrocarbons discharged by activities increasing trafficked hardstand impervious areas greater than 30m<sup>2</sup> and less than 150m<sup>2</sup>.<sup>46</sup></del></p> <p>2. <del>The Council will grant a stormwater discharge certificate under the Timaru District Council Consolidated Bylaw permission to connect to the Council's Public<sup>47</sup> reticulated stormwater network if the minimum standards identified in Table 7 below are met for activities additional trafficked hardstand impervious areas<sup>48</sup> exceeding the impervious surface threshold in the identified zones.</del></p>				
<b>General Industrial Zone</b>					
<b>Port Zone</b>					
<b>Open Space and Recreation Zones</b>					
	<b>Table 7 – Minimum Treatment Contaminant Removal Rates</b>				
<b>Residential Zones</b>		<b>All Commercial and mixed-use zones</b>	<b>General industrial zone and Port zone</b>	<b>Open space and recreation zones, Māori Purpose zone, Rural lifestyle zone, Settlement zone and Residential zones</b>	<b>Roads</b>
<b>Māori Purpose Zone</b>					
<b>Rural Lifestyle Zone</b>					
<b>Settlement Zone</b>					
	<b>Impervious surface threshold</b>	50 <del>150</del> m <sup>2</sup> . <sup>49</sup>	30 <del>150</del> m <sup>2</sup> <sup>50</sup>	30 <del>150</del> m <sup>2</sup> . <sup>51</sup>	—
	<b>First Flush Depth</b>	10mm/hr 21 mm depth	10mm/hr 21 mm depth	10mm/hr 21 mm depth	10mm/hr 21 mm depth
	<b>Suspended Solids</b>	>80%	>80%	>80%	>80%

<sup>46</sup> PrimePort [175.24], Timaru District Holdings [186.10] and BP Oil, et al [196.38]

<sup>47</sup> Clause 16(2)

<sup>48</sup> BP, et al [196.38]

<sup>49</sup> PrimePort [175.24], Timaru District Holdings [186.10] and BP Oil, et al [196.38]

<sup>50</sup> PrimePort [175.24], Timaru District Holdings [186.10] and BP Oil, et al [196.38]

<sup>51</sup> PrimePort [175.24], Timaru District Holdings [186.10] and BP Oil, et al [196.38]

	<b>Total Zinc</b>	>70%	>80%	>70%	>70%
	<b>Total Copper</b>	>70%	>80%	>70%	>70%
	<b>Total Petroleum Hydrocarbons</b>	>70%	>70%	>70%	>70%
	<b>Nutrients (Nitrogen, Phosphorus)</b>	>50%	>50%	>50%	>50%