



Consultant's Design Certification Checklist General

EXAMPLE FOR CONSULTANT'S OPTIONAL INTERNAL USE
NOT REQUIRED TO BE SENT TO MELBOURNE WATER

Project name and EPMS ref: _____

Subdivision: _____

Municipality: _____

Developer: _____

Consultant: _____

Consultant rep: _____

Melbourne Water assessor: _____




















































Consultant ref: _____














































Melbourne Water ref: _____











































Melways ref: _____

Date: _____

General		Yes	No	N/A	Comments
1	Proposed works comply with drainage scheme / catchment strategy requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Other affected property owners / developers have been consulted. Written acceptance of the design has been obtained.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Councils and other affected authorities have been consulted. Written acceptance of the design has been obtained. Any future maintenance implications are understood and accepted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Other authorities (VicRoads, VicTrack, YVW, etc.) have been consulted. Written acceptance of the design has been obtained. Any future maintenance implications are understood and accepted.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Allowance has been made for the effect of upstream and downstream works and services on the alignment and depth of future drains.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Design caters for future drainage works.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Appropriate location for works has been selected.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Obstructions have been identified and allowed for.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9	Allowance has been made for clearance to other services .	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10	Ground conditions and existing invert levels have been taken into account.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11	Works have been designed with consideration for Health and Safety issues, e.g. overhead power lines.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12	Environmental requirements are noted on design plans.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13	Permits for removal of vegetation have been obtained.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14	Allowance has been made for proximity of trees and tree roots.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

15	A suitable computer model has been used for design peak flow rates for larger catchments.				
16	Requirements for tunnelled and jacked pipes are specified on drawings.				
18	Pipe strength (MPA) type has been identified on plans.				
19	Design of concrete structures conforms to relevant codes, standards and specifications.				
20	Reinforcement cover has been specified.				
21	Alteration to cover levels of existing manholes has been approved in writing by Melbourne Water.				
22	Fencing is specified in accordance with the Planning and Building website.				
23	Connections/outfall from the local catchment to the Melbourne Water drainage asset have been minimised and have been designed to meet Melbourne Water's requirements.				
24	Melbourne Water's future maintenance requirements have been considered and catered for in the design.				
25	Design plans have been drawn at A1 size and are available in PDF format.				
26	Title block meets Melbourne Water requirements as per section 5.3.6 of the Planning and Building website.				
27	Dimensions have been shown clearly.				
28	Grade and slopes have been shown.				
29	North point has been shown correctly.				
30	Start/finish indicators have been shown.				
31	Drawings contain `Designed By' and `Authorised' signatures.				
32	All plans include relevant design notes in accordance with the Planning and Building website				

33	Drainage inlets are shown on the detail plan and the longitudinal section.				
34	Project locality plan meets requirements of Section 5.3.6 of the Planning and Building website.				
35	Design plan meets requirements of Section 5.3.6 of the Planning and Building website.				
36	Longitudinal section meets the requirements of Section 5.3.6 of the Planning and Building website.				
37	Detail plan meets requirements of Section 5.3.6 of the Planning and Building website.				
38	Cross-section meets requirements of Section 5.3.6 of the Planning and Building website.				
39	Special notes have been included as required.				
40	Structural drawings meet requirements Section 5.3.6 of the Planning and Building website.				
41	Scales for design plans meets requirements of Section 5.3.6 of the Planning and Building website.				
42	Drafting standards meets requirements of Section 5.3.6 of the Planning and Building website.				
43	Other affected developers have been consulted. Written acceptance to the design has been obtained.				
44	Alternatives have been discussed with Melbourne Water.				
45	Requirements of Australian Rainfall & Runoff have been taken into account.				
46	Major/overland drainage system has been designed to cater for flows of 100 year ARI.				
47	Final surface level of lots has been designed to the specified freeboard above the 100 year ARI or other applicable levels.				

48	Overland flow paths have been identified.				
49	Easements have been determined.				
50	Safety considerations have been complied with.				
51	Allowance has been made for the effect of upstream and downstream works and services on the alignment and depth of future drains.				
52	The design caters for future drainage works.				
53	Surface obstructions have been identified and allowed for.				
54	Existing structures have been identified and allowed for.				
55	Underground obstructions have been identified and allowed for.				
56	Critical obstructions have been proved on site.				
57	Allowance has been made for clearance to other services.				
58	Works have been designed with consideration for environmental and Health and Safety issues.				
59	Environmental requirements are noted on design plans.				
60	Allowance has been made for protection of flora and fauna. This is shown on both the SEMP and construction drawings as per the Planning & Building website.				
61	Permits for removal of vegetation have been obtained.				
62	Requirements for entry to confined space (including drains and access shafts) been specified.	