

N/A = Not required.

x = Additional information required when the proponent is in a flexible planning agreement due to proposed changes to the Stormwater Scheme.

✓ = Information required when the proponent is not proposing to change the Stormwater Scheme

Table 1: Catchment and Hydrology Checklist


	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
CATCHMENTS PLANS					
Pre-development Catchment	N/A	✓	✓	✓	6.2.1
Post development Catchment	N/A	✓	✓	✓	6.2.1
Area calculations	N/A	x	✓	✓	6.2.1
Change in Area Table	N/A	x	✓	✓	6.2.1
HYDROLOGY REQUIREMENTS					
IFD Data	N/A	x	✓	✓	6.2.2
Time of Concentration	N/A	x	✓	✓	6.2.3
4EY Storm Flow Rate	N/A	x	✓	✓	6.2.3.1
Minor Storm Flow Rate	N/A	x	✓	✓	6.2.3.1
Major Storm Flow Rate	N/A	x	✓	✓	6.2.3.1
PMF Flow Rate	N/A	x	✓	✓	6.2.3.1
Potential Erosion Assessment	N/A	x	✓	✓	6.2.3.1
Climate Change Assessment	N/A	x	✓	✓	6.2.3.1

Table 2: Trunk Drainage Checklist

	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
HYDRAULIC MODELLING					
Flood Mapping	N/A	x	✓	✓	6.2.4.2
Manning's (n) Values	N/A	✓	✓	✓	6.2.4.3
Drop Structure Modelling	N/A	x	✓	✓	6.2.4.4
Shear Stress Modelling	N/A	✓	✓	✓	6.2.4.5
Hydraulic Flow Type	N/A	x	x	✓	6.2.4.6
Hydraulic Flow Regime	N/A	x	x	✓	6.2.4.7
DRAWING REQUIREMENTS					
<i>Plan Drawings</i>					
General Arrangement	✓	✓	✓	✓	6.2.5.3
Channel Corridor Width	✓	✓	✓	✓	6.2.5.3
<i>Cross Section Drawings</i>					
Typical Cross Section	x	✓	✓	✓	6.2.5.4
Cross Section at critical locations	N/A	x	✓	✓	6.2.5.4
Cross Sections At 20m Intervals	N/A	x	✓	✓	6.2.5.4
Water Levels of Minor Storm Event, 1% AEP And 0.5m Freeboard	N/A	✓	✓	✓	6.2.5.4
<i>Long Section Drawings</i>					
Inverts Levels and Slopes	x	✓	✓	✓	6.2.5.5
Tie-Ins With Surrounding Area	N/A	x	✓	✓	6.2.5.5




	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
Major Infrastructure Crossings (Road Grades, Retaining Walls, Maintenance Access Track)	N/A	x	✓	✓	6.2.5.5
Incoming Pipe Long Sections	N/A	x	✓	✓	6.2.5.5
Solar Access	N/A	x	✓	✓	6.2.5.6
<i>Drop Structures</i>					
Materials Specification	N/A	x	x	✓	6.2.5.7
Scour Protection	N/A	x	x	✓	6.2.5.7
Frequency of Drops	N/A	x	✓	✓	6.2.5.7
Drop Structure Physical Dimensions	N/A	x	x	✓	6.2.5.7
Rock Chutes	N/A	x	✓	✓	6.2.5.7
Geotechnical Assessment of Drop Structure Treatment	N/A	x	x	✓	6.2.5.7
<i>Planform</i>					
Sinuosity	N/A	x	✓	✓	6.2.5.8
Average Wavelength	N/A	N/A	✓	✓	6.2.5.8
Sinuosity Calculations	N/A	N/A	✓	✓	6.2.5.8
Centreline Radius Curvature	N/A	N/A	x	✓	6.2.5.8
Minimum Outer Radius Curvature	N/A	N/A	x	✓	6.2.5.8
Private Retaining Walls and Easement shown on Plan	N/A	✓	✓	✓	6.2.5.11
<i>Maintenance Access</i>					
Access Track Width and Length	N/A	x	✓	✓	6.2.5.12
Turning Circles	N/A	N/A	✓	✓	6.2.5.12



	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
Access Ramp Grades	N/A	x	✓	✓	6.2.5.12
Access Ramp Fencing	N/A	N/A	✓	✓	6.2.5.12
Bollard Location and Type	N/A	N/A	✓	✓	6.2.5.12
<i>Irrigation</i>					
Location and arrangement shown on plan	N/A	N/A	✓	✓	6.2.5.13
Irrigation Line Diameter, Isolation Valves, Sprinkler Heads	N/A	N/A	N/A	✓	6.2.5.13

Table 3: Regional Stormwater Scheme

	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
MUSIC MODELLING					
Design Flow and Diversion	N/A	x	✓	✓	7.1.1
Recycled water Demand	N/A	x	✓	✓	7.1.2
<i>Stormwater Scheme Pit and Pipe</i>					
Step Irons	N/A	N/A	N/A	✓	7.1.4
Pipe Size	N/A	N/A	✓	✓	7.1.4
Pipe Type	N/A	N/A	N/A	✓	7.1.4
Wildlife Management	N/A	N/A	N/A	✓	7.1.4
FLOODPLAIN PARAMETERS					
Top Embankment Freeboard	N/A	x	✓	✓	7.1.5
Embankment Freeboard Velocity Threshold	N/A	x	✓	✓	7.1.5



	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
Surface Velocity	N/A	x	✓	✓	7.1.5
Inundation Period	N/A	N/A	N/A	✓	7.1.5
Stormwater Scheme Space Reservation	✓	✓	✓	✓	7.1.6

Table 4: Sediment Basin Checklist

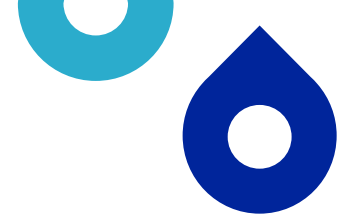
	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
MUSIC MODELLING					
Course Sed.125 µm or Larger	N/A	x	✓	✓	7.2.5.1
DRAWINGS REQUIREMENTS					
General Arrangement	✓	✓	✓	✓	7.2.5.2
Sediment Storage Volume	N/A	✓	✓	✓	7.2.5.3
Inlet system and Dissipation	N/A	x	✓	✓	7.2.5.4
Scour Protection	N/A	N/A	N/A	✓	7.2.5.4
<i>Maintenance Access Track</i>					
Access Track Width and Length	N/A	N/A	✓	✓	7.2.5.5
Maximum Grade Shown	N/A	N/A	✓	✓	7.2.5.5
<i>Cross Section Drawings</i>					
Cross Section Typical	x	✓	✓	✓	
Sediment Storage Zone	N/A	N/A	✓	✓	7.2.5.5
Safety Bench and Internal Batters	N/A	✓	✓	✓	7.2.4



Edge Treatment	N/A	x	x	✓	7.2.4
Liner	N/A	N/A	N/A	✓	7.2.4
Water Level Control Pit to Wetland	N/A	N/A	✓	✓	7.2.4

Table 5: Wetland Check List

	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
MUSIC MODELLING					
Extended Detention Depth	N/A	x	✓	✓	7.3.3
Permanent Pool Volume	N/A	x	✓	✓	7.3.3
Notional Detention Time	N/A	x	✓	✓	7.3.3
DRAWING REQUIREMENTS					
Shape and Form	✓	✓	✓	✓	7.3.4.2
Deep Water Zone	N/A	N/A	✓	✓	7.3.4.3
Bathymetry	N/A	N/A	✓	✓	7.3.4.4
Macrophyte Zone	N/A	N/A	✓	✓	7.3.4.5
Flow Velocities	N/A	N/A	N/A	✓	7.3.4.7
<i>Maintenance Access Track</i>					
Maximum Grade Shown	N/A	N/A	N/A	✓	7.3.4.8
<i>Cross Section Drawings</i>					
Safety Bench and Internal Batters	N/A	N/A	✓	✓	7.3.4
Edge Treatment	N/A	N/A	✓	✓	7.3.4



	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
Liner	N/A	N/A	N/A	✓	7.3.4
Water Level Control Pits	N/A	x	✓	✓	7.3.4
Outlet to Bioretention	N/A	✓	✓	✓	7.3.4
High Flow Outlet Pit	N/A	N/A	N/A	✓	

Table 6: Bioretention Check List

	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
MUSIC MODELLING					
Extended Detention Depth	N/A	x	✓	✓	7.4.2
Surface Area	N/A	x	✓	✓	7.4.2
Filter Depth	N/A	x	✓	✓	7.4.2
DRAWINGS REQUIREMENTS					
Inlet Pit	N/A	N/A	N/A	N/A	7.4.3
Outlet Pit (Including Overflow)	N/A	N/A	✓	✓	7.4.3
Water level Control Pits	N/A	N/A	N/A	✓	
Vegetation Selection	N/A	N/A	N/A	✓	7.4.3
Flushing Points	N/A	N/A	N/A	✓	7.4.3
Safety Bench and Batters	N/A	✓	✓	✓	7.4.3
Edge Treatment	N/A	N/A	✓	✓	7.4.3



	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
Liner	N/A	N/A	N/A	✓	7.4.3
Shape and Form	✓	✓	✓	✓	7.4.3.1
Solar Access	N/A	N/A	x	✓	7.4.3.2
<i>Cross Section Drawings</i>					
Cross Section Typical	N/A	✓	✓	✓	
Filter Media	N/A	N/A	✓	✓	7.4.3.3
Transition Layer	N/A	N/A	✓	✓	7.4.3.5
Underdrain Spacing	N/A	N/A	✓	✓	7.4.3.6
Underdrain Calculations	N/A	N/A	N/A	✓	7.4.3.6
<i>Maintenance Access Track</i>					
Access Track Width and Length	N/A	✓	✓	✓	
Maximum Grade Shown	N/A	N/A	✓	✓	

Table 7: Storage Pond Check List

	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
MUSIC MODELLING					
Extended Detention Depth	N/A	x	✓	✓	7.5.2
Permanent Pool Volume	N/A	x	✓	✓	7.5.2
Notional Detention Time	N/A	x	✓	✓	7.5.2



	Pre-Feasibility Sketch Plan (5%)	Feasibility Strategic Design (10%)	Functional Design (50% -70%)	Detailed Design (100%)	Section
DRAWINGS REQUIREMENTS				✓	
Pond Volume	N/A	✓	✓	✓	7.5.4.1
Shape and Form	✓	✓	✓	✓	7.5.4.2
Depth	N/A	x	✓	✓	7.5.4.3
Overflow Weir	N/A	N/A	✓	✓	7.5.4.6
<i>Cross Section Drawings</i>					
Cross Section Typical	N/A	✓	✓	✓	
Safety Bench and Internal Batters	N/A	x	✓	✓	7.5.3
Edge Treatment	N/A	N/A	N/A	✓	7.5.3
Liner	N/A	N/A	N/A	✓	7.5.3
Water Level Control Pits	N/A	N/A	✓	✓	7.5.3
Pond Outlet to Stormwater Harvesting and Reticulation Pit	N/A	N/A	✓	✓	7.5.3
Stormwater Harvesting and Reticulation Pit	N/A	N/A	N/A	✓	7.5.3
Pumps	N/A	N/A	✓	✓	7.5.3
Irrigation System	N/A	N/A	N/A	✓	7.5.3