

5.0 PLANNING SCHEME POLICY 5

KILCOY SHIRE COUNCIL STANDARDS MANUAL

KILCOY SHIRE COUNCIL SECTION1 RESIDENTIAL STREETS SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
Town Planning Zone Description	Residential	Residential	Residential
Typical Lot Size	700m ² - 2500m ²	700m ² - 2500m ²	700m ² - 2500m ²
Traffic Catchment (max)	Access Place 20 lots Access Street 60 lots	150 lots	450 lots
Design Speed (max)	40 kph	40 kph	40 kph
Carriageway Lanes- No of	2	2	2
Carriageway Widths (measured between channel inverts) • normal situation	6.5m	7.5m	CI Assessed
Verge Width (min)	4m	4m	4m
Road Reserve Width • minimum	16m	18m	20m
Carriageway Longitudinal Drainage • kerbing required (yes/no) • Swale Drains required (yes/no)	Yes N/A	Yes N/A	Yes N/A
Kerb Types (if reqd) • kerb and channel	Layback	Layback	Barrier
Swale Drains (if reqd) • configuration	No	No	CI Assessed
Footpaths • required (yes/no) • width	No	Yes 1.2m (one side)	Yes 1.2m(one side)
Cycleways • required (yes/no) • width	No	No	No

**KILCOY SHIRE COUNCIL
SECTION 1 RESIDENTIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
Dual Use Footpath/ Cycleway <ul style="list-style-type: none"> • required (yes/no) • width 	No	No	CI Assessed 2m
Parking Requirements	No	No	No
Carriageway Grades <ul style="list-style-type: none"> • desirable max • absolute max • desirable min • absolute min 	12.0% 16% 1.0% 0.30%	12.0% 16% 1.0% 0.30%	8.0% 12% 1.0% 0.30%
Vertical Sight Distance <ul style="list-style-type: none"> • general min distance 	50m	80m	110m
Carriageway Crossfall <ul style="list-style-type: none"> a) Crossfall <ul style="list-style-type: none"> • one way, two way or both b) AC Seal <ul style="list-style-type: none"> • min crossfall • max crossfall c) Bitumen Seal <ul style="list-style-type: none"> • min crossfall • max crossfall 	Both (CI Assessed)	two way	two way
Sealed Carriageway <ul style="list-style-type: none"> • required (yes/no) • AC preferred (yes/no) • Bitumen seal preferred (yes/no) Bitumen seal details (eg. prime & coat) 	Yes AC or concrete Mandatory No	Yes AC or concrete Mandatory No	Yes AC or concrete Mandatory No
Road Widening <ul style="list-style-type: none"> • seal type • crossfall min max 	CI Assessed 2.0% 5.0%	CI Assessed 2.0% 5.0%	CI Assessed 2.0% 5.0%
Pavement Widening (nominate ESA's if applicable)	9×10^4	4×10^5	1×10^6

**KILCOY SHIRE COUNCIL
SECTION 1 RESIDENTIAL STREETS
SUMMARY OF "DEEMED-TO-COMPLY" CRITERIA**

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
Minimum Pavement Depths	150mm	200mm	200mm
Speed Control Devices <ul style="list-style-type: none"> • required (yes/no) • if required, preferred type, horizontal vertical or both 	Optional Horizontal	Optional Horizontal	No
Street Length <ul style="list-style-type: none"> • max length 	Access Place 200m		
Turning Facility at end of Cul-de-sac Streets a) single movement turn preferred (yes/no) If preferred <ul style="list-style-type: none"> • min radius in head • approach radius • min footpath width at any point b) three point turns preferred (yes/no) If preferred, nominate types acceptable <ul style="list-style-type: none"> • "Tee" (yes/no) • "offset square" (yes/no) • "wye" (yes/no) • min footpath width at any point 	Yes (Include Carparking in centre island) (0.5 car parks per abutting allotment) 9.0m 18.0m 3.0m No	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A
Truncations	3 chord x 6m	3 chord x 6m	3 chord x 6m

**KILCOY SHIRE COUNCIL
SECTION 1 RESIDENTIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
Utility Service Allocations			
a) electrical (overhead) <ul style="list-style-type: none"> • required (yes/no) • alignment 	Yes	Yes	Yes
b) Telstra (underground) in single trench <ul style="list-style-type: none"> a) required (yes/no) b) alignment 	Optional 0.3m - 1.0m - property	Optional 0.3m - 1.0m - property	Optional 0.3m - 1.0m - property
c) electrical (underground) and Telecom in shared trench <ul style="list-style-type: none"> • required (yes/no) • alignment 	Optional 1.0m - property	Optional 1.0m - property	Optional 1.0m - property
d) water reticulation <ul style="list-style-type: none"> • required (yes/no) • alignment 	Yes 1.5m - property	Yes 1.5m - property	Yes 1.5m - property
e) sewerage reticulation <ul style="list-style-type: none"> • required (yes/no) • alignment 	Yes 3.0m - property	Yes 3.0m - property	Yes 3.0m - property
f) natural gas reticulation <ul style="list-style-type: none"> • required (yes/no) • alignment 	No	No	No
Superelevation of Carriageway <ul style="list-style-type: none"> • required (yes/no) 	No	No	No
Private Access to Property <ul style="list-style-type: none"> • max grade 	25% with concrete access and maximum grade change of 10%	25% with concrete access and maximum grade change of 10%	
Street Lighting <ul style="list-style-type: none"> • nominate standard required 	As per AS 1158.1	As per AS 1158.1	As per AS 1158.1
Features in Paving (eg. paving, patterned concrete to thresholds, infills etc) <ul style="list-style-type: none"> • required or acceptable (yes/no) 	Yes	Yes	No

**KILCOY SHIRE COUNCIL
SECTION 2 RURAL RESIDENTIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
Dual Use Footpath/ Cycleway <ul style="list-style-type: none"> • required (yes/no) • width 	No	No	CI Assessed 2m
Parking Requirements	No	No	No
Carriageway Grades <ul style="list-style-type: none"> • desirable max • absolute max • desirable min • absolute min 	12.0% 16% 1.0% 0.30%	12.0% 16% 1.0% 0.30%	8.0% 12% 1.0% 0.30%
Vertical Sight Distance <ul style="list-style-type: none"> • general min distance 	50m	80m	110m
Carriageway Crossfall <ul style="list-style-type: none"> a) Crossfall <ul style="list-style-type: none"> • one way, two way or both b) AC Seal <ul style="list-style-type: none"> • min crossfall • max crossfall c) Bitumen Seal <ul style="list-style-type: none"> • min crossfall • max crossfall 	Both (CI Assessed)	two way	two way
Sealed Carriageway <ul style="list-style-type: none"> • required (yes/no) • AC preferred (yes/no) • Bitumen seal preferred (yes/no) Bitumen seal details (eg. prime & coat) 	Yes AC or concrete Mandatory No	Yes AC or concrete Mandatory No	Yes AC or concrete Mandatory No
Road Widening <ul style="list-style-type: none"> • seal type • crossfall min max 	CI Assessed 2.0% 5.0%	CI Assessed 2.0% 5.0%	CI Assessed 2.0% 5.0%
Pavement Widening (nominate ESA's if applicable)	9×10^4	4×10^5	1×10^6

**KILCOY SHIRE COUNCIL
SECTION 2 RURAL RESIDENTIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
<i>Town Planning Zone Description</i>	Rural Residential	Rural Residential	Rural Residential
<i>Typical Lot Size</i>	2500m ² - 15000m ²	2500m ² - 15000m ²	2500m ² - 15000m ²
<i>Traffic Catchment (max)</i>	Access Place 20 lots Access Street 60 lots	150 lots	450 lots
<i>Design Speed (max)</i>	40 kph	50 kph	60 kph
<i>Carriageway Lanes- No of</i>	2	2	2
<i>Carriageway Widths</i> (measured between channel inverts) • normal situation	6.0m	6.5m	CI Assessed
<i>Verge Width (min)</i>	4m	4m	4m
<i>Road Reserve Width</i> • minimum	18m	18m	20m
<i>Carriageway Longitudinal Drainage</i> • kerbing required (yes/no) • Swale Drains required (yes/no)	Yes N/A	Yes N/A	Yes N/A
<i>Kerb Types (if reqd)</i> • kerb and channel	Layback	Layback	Barrier
<i>Swale Drains (if reqd)</i> • configuration	No	No	CI Assessed
<i>Footpaths</i> • required (yes/no) • width	No	Yes 1.2m (one side)	Yes 1.2m(one side)
<i>Cycleways</i> • required (yes/no) • width	No	No	No

**KILCOY SHIRE COUNCIL
SECTION 3 PARK RESIDENTIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
Town Planning Zone Description	Park Residential	Park Residential	Park Residential
Typical Lot Size	2 – 4 ha.	2 – 4 ha	2 – 4 ha
Traffic Catchment (max)	Access Place 20 lots Access Street 60 lots	150 lots	450 lots
Design Speed (max)	40 kph	50 kph	60 kph
Carriageway Lanes No of	2	2	2
Carriageway Widths (measured between channel inverts) • normal situation • bus route lane (if reqd)	5.5m	6.5m	Cl. assessed
Verge Width (min)	4.0m	4.0m	4.0m
Road Reserve Width • minimum	18m	18m	20m
Carriageway Longitudinal Drainage • kerbing required (yes/no) • Swale Drains required (yes/no)	Yes N/A	Yes N/A	Yes N/A
Kerb Types (if reqd) Kerb and channel	Layback	Layback	Layback
Swale Drains (if reqd) • Configuration	No	No	Cl Assessed
Footpaths • required (yes/no) • width	No	No	No
Cycleways • required (yes/no) • width	No	No	No

**KILCOY SHIRE COUNCIL
SECTION 3 PARK RESIDENTIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
Dual Use Footpath/ Cycleway <ul style="list-style-type: none"> • required (yes/no) • width 	No	No	No
Parking Requirements	No	No	No
Carriageway Grades <ul style="list-style-type: none"> • desirable max • absolute max • desirable min • absolute min 	12.0% 16% 1.0% 0.50%	12.0% 16% 1.0% 0.50%	8.0% 12% 1.0% 0.50%
Vertical Sight Distance <ul style="list-style-type: none"> • general min distance 	70m	80m	110m
Carriageway Crossfall <ul style="list-style-type: none"> a) Crossfall <ul style="list-style-type: none"> • one way, two way or both b) AC Seal <ul style="list-style-type: none"> • min crossfall • max crossfall c) Bitumen Seal <ul style="list-style-type: none"> • min crossfall • max crossfall 	Optional (CI Assessed)	two way 3.0% 5.0% 3.0% 5.0%	two way 3.0% 5.0% 3.0% 5.0%
Sealed Carriageway <ul style="list-style-type: none"> • required (yes/no) • AC preferred (yes/no) • Bitumen seal preferred (yes/no) Bitumen seal details (eg. prime & seal) 	Yes Optional Prime & Coat	Yes Optional Prime & Seal	Yes Optional Prime & Seal
Road Widening <ul style="list-style-type: none"> • seal type • crossfall min max 	CI Assessed 2.0% 5.0%	CI Assessed 2.0% 5.0%	CI Assessed 2.0% 5.0%
Pavement Design Method (nominate ESA's if applicable)	9 x 10 ⁴	4x10 ⁵	1x10 ⁶

**KILCOY SHIRE COUNCIL
SECTION 3 PARK RESIDENTIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
Minimum Pavement Depths	150mm	200mm	200mm
Speed Control Devices <ul style="list-style-type: none"> • required (yes/no) • if required, preferred type, horizontal vertical or both 	Optional Horizontal	Optional Horizontal	No
Street Length <ul style="list-style-type: none"> • max length 	Max distance from any point to a collector of 1200m		
Turning Facility at end of Cul-de-sac Streets <ul style="list-style-type: none"> e) single movement turn preferred (yes/no) If preferred <ul style="list-style-type: none"> • min radius in head • approach radius • min footpath width at any point f) three point turns preferred (yes/no) If preferred, nominate types acceptable <ul style="list-style-type: none"> • “Tee” (yes/no) • “offset square” (yes/no) • “wye” (yes/no) • min footpath width at any point 	Yes 9.0m 18.0m 3.0m No	N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A
Truncations	6m	6m	6m

**KILCOY SHIRE COUNCIL
SECTION 3 PARK RESIDENTIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	ACCESS PLACE & ACCESS STREET	COLLECTOR STREET	TRUNK COLLECTOR STREET
<p>Utility Service Allocations</p> <p>e) electrical (overhead)</p> <ul style="list-style-type: none"> • required (yes/no) • alignment <p>f) Telstra (underground) in single trench</p> <p>g) required (yes/no)</p> <p>h) alignment</p> <p>i) electrical (underground) and Telecom in shared trench</p> <ul style="list-style-type: none"> • required (yes/no) • alignment <p>d) water reticulation</p> <ul style="list-style-type: none"> • required (yes/no) • alignment <p>e) sewerage reticulation</p> <ul style="list-style-type: none"> • required (yes/no) <p>f) natural gas reticulation</p> <ul style="list-style-type: none"> • required (yes/no) 	<p style="text-align: center;">Yes</p> <p style="text-align: center;">Optional 0.3m - 1.0m - property</p> <p style="text-align: center;">Optional 1.0m - property</p> <p style="text-align: center;">CI Assessed 1.5m - property</p> <p style="text-align: center;">No</p> <p style="text-align: center;">No</p>	<p style="text-align: center;">Yes</p> <p style="text-align: center;">Optional 0.3m - 1.0m - property</p> <p style="text-align: center;">Optional 1.0m - property</p> <p style="text-align: center;">CI Assessed 1.5m - property</p> <p style="text-align: center;">No</p> <p style="text-align: center;">No</p>	<p style="text-align: center;">Yes</p> <p style="text-align: center;">Optional 0.3m - 1.0m - property</p> <p style="text-align: center;">Optional 1.0m - property</p> <p style="text-align: center;">CI Assessed 1.5m - property</p> <p style="text-align: center;">No</p> <p style="text-align: center;">No</p>
<p>Superelevation of Carriageway</p> <ul style="list-style-type: none"> • required (yes/no) 	No	No	CI Assessed
<p>Private Access to Property</p> <ul style="list-style-type: none"> • max grade 	25% with concrete access and maximum grade change of 10%	25% with concrete access and maximum grade change of 10%	NA
<p>Street Lighting</p> <ul style="list-style-type: none"> • nominate standard required 	CI Assessed	CI Assessed	CI Assessed
<p>Features in Paving (eg. paving, patterned concrete to thresholds, infills etc)</p> <ul style="list-style-type: none"> • required or acceptable (yes/no) 	Optional	Optional	No

**KILCOY SHIRE COUNCIL
SECTION 4 RURAL ROADS
SUMMARY OF "DEEMED-TO-COMPLY" CRITERIA**

DESCRIPTION	RURAL ACCESS ROAD	RURAL COLLECTOR ROAD	RURAL TRUNK COLLECTOR ROAD
Land Use Area	Rural	Rural	Rural
Typical Lot Size	Varies	Varies	Varies
Traffic Catchment (max)	Access Place 10 lots Access Road 30 lots	150 lots	1000 lots
Design Speed (max)	60 kph	80 kph	100 kph
Carriageway Lanes- No of	Varies	2	2
Formation Widths <ul style="list-style-type: none"> • 1-50 vehicles/day • 50-150 vehicles/day • 150-500 vehicles/day • 500-3000 vehicles/day 	5m 6m 8m -	- - 8m 8m	- - 8m 8m
Verge Width (min)	4m	4m	4m
Road Reserve Width	20m	20m	20m
Drainage <ul style="list-style-type: none"> • Cross Drainage • Swale Drains required (yes/no) 	Yes Yes	Yes Yes	Yes Yes
Kerb Types (if reqd) <ul style="list-style-type: none"> • kerb and channel • semi mountable 	No (except to control erosion)	No (except to control erosion)	No (except to control erosion)
Footpaths <ul style="list-style-type: none"> • required (yes/no) • width 	No	No	No
Cycleways <ul style="list-style-type: none"> • required (yes/no) • width 	No	No	No

**KILCOY SHIRE COUNCIL
SECTION 4 RURAL ROADS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	RURAL ACCESS ROAD	RURAL COLLECTOR ROAD	RURAL TRUNK COLLECTOR ROAD
Utility Service Allocations			
a) electrical (overhead) <ul style="list-style-type: none"> • required (yes/no) • alignment 	Yes	Yes	Yes
b) Telstra (underground) in single trench <ul style="list-style-type: none"> • required (yes/no) 	Yes	Yes	Yes
c) electrical (underground) and Telecom in shared trench <ul style="list-style-type: none"> • required (yes/no) • alignment 	No	No	No
d) water reticulation <ul style="list-style-type: none"> • required (yes/no) 	No	No	No
e) sewerage reticulation <ul style="list-style-type: none"> • required (yes/no) 	No	No	No
f) natural gas reticulation <ul style="list-style-type: none"> • required (yes/no) 	No	No	No
Superelevation of Carriageway <ul style="list-style-type: none"> • required (yes/no) 	No	No	Yes
Private Access to Property <ul style="list-style-type: none"> • max grade 	25% with max change of 10% change of grade	25% with max change of 10% change of grade	25% with max change of 10% change of grade
Street Lighting <ul style="list-style-type: none"> • nominate standard required 	No	No	No
Features in Paving (eg. paving, patterned concrete to thresholds, infills etc) <ul style="list-style-type: none"> • required or acceptable 	No Acceptable	No Acceptable	No Acceptable

**KILCOY SHIRE COUNCIL
SECTION 4 RURAL ROADS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	RURAL ACCESS ROAD	RURAL COLLECTOR ROAD	RURAL TRUNK COLLECTOR ROAD
Dual Use Footpath/ Cycleway <ul style="list-style-type: none"> • required (yes/no) • width 	No	No	No
Parking Requirements	No	No	No
Carriageway Grades <ul style="list-style-type: none"> • desirable max • absolute max • desirable min • absolute min 	15% 20% 1.0% 0.50%	12% 16% 1.0% 0.50%	12% 0.3%
Vertical Sight Distance <ul style="list-style-type: none"> • general min distance 	80m	120m	200m
Carriageway Crossfall <ul style="list-style-type: none"> a) Crossfall <ul style="list-style-type: none"> • one way, two way or both b) Gravel <ul style="list-style-type: none"> • min crossfall • max crossfall c) Bitumen Seal <ul style="list-style-type: none"> • min crossfall • max crossfall 	Optional (CI Assessed)	two way 5.0% 7.0% 3.0% 5.0%	two way N/A N/A 3.0% 5.0%
Carriageway Surface <ul style="list-style-type: none"> • 1-50 veh./day • 50-150 veh./day • 150-500 veh./day • 500-3000 veh./day 	Gravel (100mm min) 4m Bit. seal 4m Bit. seal -	4m Bit. seal 6m Bit. seal	6 - 7m Bit. seal 6 - 7m. Bit. seal
Road Widening <ul style="list-style-type: none"> • seal type • crossfall min max 	Same as existing 4% 8%	Same as existing 2% 6%	Same as existing 2% 5%
Pavement Design Method (nominate ESA's if applicable)	9 x 10 ⁴	4x10 ⁵	1x10 ⁶

**KILCOY SHIRE COUNCIL
SECTION 4 RURAL ROADS
SUMMARY OF "DEEMED-TO-COMPLY" CRITERIA**

DESCRIPTION	RURAL ACCESS ROAD	RURAL COLLECTOR ROAD	RURAL TRUNK COLLECTOR ROAD
Minimum Pavement Depths	100mm - Unsealed 150mm - Sealed	150mm	200mm
Speed Control Devices <ul style="list-style-type: none"> • required (yes/no) • if required, preferred type, horizontal vertical or both 	No	No	No
Street Length <ul style="list-style-type: none"> • max length 	N/A	N/A	N/A
Signage <ul style="list-style-type: none"> • required (yes/no) • warning signs 	In accordance with M.U.T.C.D. As appropriate to the road design speed	In accordance with M.U.T.C.D. As appropriate to the road design speed	In accordance with M.U.T.C.D. As appropriate to the road design speed
Turning Facility at end of Cul-de-sac Streets <ul style="list-style-type: none"> a) single movement turn preferred (yes/no) If preferred <ul style="list-style-type: none"> • min radius in head • approach radius • min footpath width at any point b) three point turns preferred (yes/no) 	Yes 9.0m 18.0m 2.5m Some accepted	N/A 9.0m 18.0m 2.5m Some accepted	N/A N/A N/A N/A N/A

**KILCOY SHIRE COUNCIL
SECTION 5 INDUSTRIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

DESCRIPTION	ACCESS STREET	COLLECTOR STREET
Town Planning Zone	Residential	Residential
Design Speed (max)	50 kph	50 kph
Parking Lanes	2	2
Carriageway Widths (measured between channel inverts)	12.0	14.0
Carriageway crossfall	3%	3%
Kerb Types <ul style="list-style-type: none"> • kerb and channel • semi mountable 	Yes CI Assessed	Yes CI Assessed
Verge Width (min)	4m	4m
Road Reserve Width <ul style="list-style-type: none"> • minimum 	20m	22m
Carriageway Grades <ul style="list-style-type: none"> • desirable max • absolute max • desirable min • absolute min 	6% 8% 1% 0.3%	6% 8% 1% 0.3%
Vertical Sight Distance <ul style="list-style-type: none"> • general min distance 	120	150
Carriageway Crossfall a) Crossfall <ul style="list-style-type: none"> • one way, two way b) AC Seal <ul style="list-style-type: none"> • min crossfall • max crossfall 	Two way 3% 5%	Two way 3% 5%
Sealed Carriageway <ul style="list-style-type: none"> • required (yes/no) • AC preferred (yes/no) • bitumen seal preferred (yes/no) • bitumen seal details (eg. prime & 2 coat) 	Yes Yes No -	Yes Yes No -

KILCOY SHIRE COUNCIL
SECTION 5 INDUSTRIAL STREETS
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA

DESCRIPTION	ACCESS STREET	COLLECTOR STREET
<i>Pavement Design Method</i> (nominate ESA's if applicable)		
<i>Turning Facility at end of Cul-de-sac Streets</i> c) single movement turn preferred (yes/no)	Yes	N/A
<i>Street Lighting</i> <ul style="list-style-type: none"> • Nominate standard required 	Australian Standard 1158 A3	Australian Standard 1158 A3
<i>Signage</i> <ul style="list-style-type: none"> • required (yes/no) • warning signs 	In accordance with M.U.T.C.D. As appropriate to the road design speed	In accordance with M.U.T.C.D. As appropriate to the road design speed

**KILCOY SHIRE COUNCIL
SECTION 6 STORMWATER DRAINAGE
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA**

**Q.U.D.M. SECTION 5.18.3
Roof and Allotment Drainage – General**

This table nominates the required level of allotment drainage, to be provided where allotments cannot be adequately drained to kerb and channel.

Development Category	Level of Allotment Drainage
Commercial Business, Light Industry, Medium Industry	Level V
Urban Residential “A”	Level II
Urban Residential “B”	To be assessed
Park Residential, Open Spaces and Parks, etc	Not Required

Gully Inlets – Types approved for use

The following gully inlets systems are approved for use within Kilcoy Shire.

- Humes “Drainway” system or approved equivalent.
- Brisbane City Council Type “A” Gully Inlet or approved equivalent.
- C & M Concrete Products Road Gully Inlets (Recessed Type)

KILCOY SHIRE COUNCIL
SECTION 6 STORMWATER DRAINAGE
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA
Q.U.D.M. SECTION 5.04.1
Fraction Impervious vs. Development Category

Development Category	Fraction Impervious
Central Business	1.00
Light Industry Medium Industry	0.90
Significant paved areas eg. Roads, carparks, including landscaping	0.90
Residential “A” (excluding roads)	0.50
Residential “B” (excluding roads)	0.60
Rural and Park Residential	0.10
Open Space & parks, etc	0.00

Notes:

1. For individual development sites, the designer should determine the actual fraction impervious on the basis of the site development plan.

**KILCOY SHIRE COUNCIL
SECTION 6 STORMWATER DRAINAGE
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA
Q.U.D.M. SECTION 5.04
Table 5.04.4
Coefficient of Runoff vs. Development Category**

Development Category	Fraction Impervious	C ₁	C ₂	C ₅	C ₁₀	C ₂₀	C ₅₀	C ₁₀₀
(Y1)	(1.00)	(0.72)	(0.77)	(0.86)	(0.90)	(0.95)	1.00	1.00
[X1]	[.....]							
[X1]	[.....]							
Central Business	1.00	-	0.77	-	0.90	-	-	1.00
Light Industry	0.90	-	0.72	-	0.85	-	-	1.00
Significant Areas	0.90	-	0.72	-	0.85	-	-	1.00
Residential “A” excluding Roads	0.50	-	0.49	-	0.58	-	-	0.70
Residential “B” excluding Roads	0.60	-	0.50	-	0.60	-	-	0.70
Rural & Park Residential	0.10	-	0.38	-	0.45	-	-	0.54
Open Space	0.00	0.35	0.37	-	0.44	-	-	0.53
(Y0)	(0.00)	(0.35)	(0.37)	(0.42)	(0.44)	(0.46)	(0.51)	(0.53)

- References:
1. Australian Rainfall & Runoff 1987 “Probabilistic Model”
 2. 10 year ARI, 1 hour duration rainfall intensity ¹⁰I₁ = 51.7 mm/hr
 3. 10 year ARI, 1 hour duration rainfall intensity ¹⁰I₁ = 49.2 mm/hr

Note:

- (Y0) Runoff Coefficient for 0.00 Fraction Impervious
- (Y1) Runoff Coefficient for 1.00 Fraction Impervious
- [X1] Fraction impervious for 1.00 Runoff Coefficient
- not applicable in context of ARI’s adopted for major/minor storms (Table 5.06.1)

KILCOY SHIRE COUNCIL
SECTION 6 STORMWATER DRAINAGE
SUMMARY OF “DEEMED-TO-COMPLY” CRITERIA
Q.U.D.M. TABLE 5.06.1
Design Average Recurrence Intervals

i) MAJOR SYSTEM DESIGN ARI (years)		100
ii) MINOR SYSTEM DESIGN ARI (years)		
Development Category		
Central Business		10
Light Industry/Medium Industry		2
Residential “A”		2
Residential “B”		2
Rural & Park Residential		2
Open Space & Parks, etc		2
Major Road: (see 4)	i) Kerb & Channel Flow	10 (see 1)
	ii) Cross Drainage including culverts	50 (see 2)
Minor Road: (see 4)	i) Kerb & Channel Flow	(see 3)
	ii) Cross Drainage including culverts	10 (see 2)

Notes:

1. The design ARI for the minor drainage system in a major road shall be that indicated for the major road, not that for the Development Category of the adjacent area.
2. Culverts under roads should be designed to accept the full flow for the minor system ARI shown. In addition, the designer must ensure that the 100 year ARI backwater does not enter properties upstream. If upstream properties are at a relatively low elevation, it may be necessary to install culverts of capacity greater than that for the minor system ARI design storm to ensure flooding of upstream properties does not occur. In addition, the downstream face of the causeway embankment may need protection where overtopping is likely to occur.
3. Refer to relevant development category
4. Major Road for Residential Streets: - Trunk Collector Street
Minor Road for Residential Streets: - Access Place, Access Street, Collector Street