ACCEPTABLE DESIGN SOLUTIONS

REFERENCE "ENGINEERING DESIGN GUIDELINES"

TRAFFIC
VOLUMES NOT RESTRICTED

FOOTPATHS / CYCLEPATHS
VARIES WITH PEDESTRIAN / CYCLIST NETWORK REQUIREMENTS.

BUS STOP
INDENTED, CLEAR OF TRAFFIC LANES

DESIGN SPEED
MINIMUM DESIGN SPEED 80 km/h

LONGITUDINAL GRADIENT
MAXIMUM GRADE 16%, MINIMUM GRADE 0.2%

SURFACING
ASPHALT - MINIMUM THICKNESS 50 mm. UNDERLAI D WITH 7mm PRIMERSEAL

KERBING TYPE
BARRIER KERBS & CHANNEL

RESIDENTIAL ACCESS FUNCTION
SITE SPECIFIC

STREET LIGHTING
IN ACCORDANCE WITH AUSTRALIAN STANDARD 1158.

SOUND ATTENUATION
SOUND ATTENUATION MEASURES SUCH AS MOUNDING, PLANTING AND OR FENCING WILL BE REQUIRED BETWEEN THE STREET AND ABUTTING LOTS, IN ACCORDANCE WITH QUEENSLAND STREETS & COUNCIL POLICY.

VERGE TREES
ONE (1) TREE PER RESIDENTIAL ALLOTMENT OR SPACED AT APPROXIMATELY TWENTY (20) METRE INTERVALS, DEPENDENT ON SITE SAFETY CONSIDERATION AT THE DISCRETION OF THE MANAGER OF PARKS & RECREATION, & IN ACCORDANCE WITH POLICY 1.5 - FOOTPATH PLANTING & MAINTENANCE REQUIREMENTS

INTERSECTIONS
INTERSECTIONS WITH ARTERIAL OR COLLECTOR ROADS WILL GENERALLY REQUIRE RIGHT TURN, DECELERATION, AND PASSING LANES AS DETERMINED FROM A TRAFFIC STUDY, WITH A MINIMUM OF THREE HUNDRED (300) METRE SPACINGS

DRAINAGE
MINOR STORM - 1 IN 5 YEAR RETURN PERIOD. MAXIMUM STREET FLOW WIDTH IN ACCORDANCE WITH DESIGN GUIDELINES FOR DRAINAGE. MAJOR STORM - 1 IN 100 YEAR RETURN PERIOD TO BE CONTAINED WITHIN THE LIMITS OF THE ROAD RESERVE, DRAINAGE RESERVE OR DRAINAGE EASEMENTS. FLOWS IN EXCESS OF THE MAJOR STORM ARE TO HAVE A POSITIVE RELIEF OUTLET.

DIMENSION
CARRIAGWAY AND VERGE DIMENSIONS ARE MEASURED TO CHANNEL INVERT.

STANDARD DRAWINGS
PA 5 - 895 STANDARD KERBS AND CHANNELS
PA 5 - 867 STANDARD SLOTTED P.V.C. PIPE SUB-SOIL DRAIN
PA 5 - 773 STANDARD INVERT TYPE VEHICLE CROSSING FOR KERBS AND CHANNEL
A 2 - 550 STANDARD CONCRETE FOOTPATH

MACKAY CITY COUNCIL
EXECUTIVE MANAGER INFRASTRUCTURE SERVICES
G. HAWKES
DATE 11.9.06
PHONE (07) 4968 4477
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ARterial road
cross section
arterial - two lanes undivided (urban)