



TYPICAL PINE BOLLARD DETAIL

SCALE 1:10

NOTES:

1. R.R.6 PINE BOLLARDS TO BE USED
2. ALL BOLLARDS SHALL BE CCA TREATED PINE OR SIMILAR CITY OF GOSNELLS' APPROVED TREATMENT
3. MINIMUM LENGTH 1200
4. ALL BOLLARDS TO HAVE DOME TOPS
5. BOLLARDS TO BE AT 1500 CENTRES UNLESS NOTED OTHERWISE
6. BOLLARD TO BE SET IN 300 ϕ CONCRETE FOOTING
7. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 20MP_a AT 28 DAYS .

GENERAL NOTES

1. THIS DRAWING ALWAYS REMAINS THE PROPERTY OF THE CITY OF GOSNELLS AND MUST NOT BE RETAINED OR REPRODUCED WITHOUT PERMISSION IN THE ABSENCE OF THE APPROVED SIGNATURE (ie MANAGER TECHNICAL SERVICES) THIS DRAWING SHALL BE TREATED AS PRELIMINARY
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE



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STANDARD DRAWING PINE BOLLARDS

STANDARD DRAWING NUMBER

ES-37

MANAGER TECHNICAL SERVICES

M. Botte

M. BOTTE

DESIGN	DRAWN GL	SCALE 1:10
DRAWING A4	CHECKED PM	DATE 15/01/2010