### All Dimensions are in Millimetres Unless Otherwise Shown

#### Section

- **Not to Scale**

#### Plans

- **Not to Scale**

#### Elevation

- **Not to Scale**

### Notes

1. Concrete strength grades shown are for exposure classification A2. Refer to AS4671:2001. Section 4 for concrete strength grades, cover to reinforcement and for other classification.

2. Weepholes are to be provided at 1800 centres (maximum) at outlet only.

3. All steel bars to be grade 40Y to AS4671:2001.

### Referenced Documents:

- AS4671:2001 Steel Reinforcing Materials
- AS3600-2009 Concrete Structures
- Spec R11 Stormwater Drainage
- Spec B80 Concrete Work for Bridges
- Roads and Maritime Services

### Project Information

- Project Code: R0210-02
- Project Name: R0210 Stormwater Drainage Series - Headwalls
- Client: Roads and Maritime Services

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**Concrete N25 (See Note 1)**

- Dia: 40, 50, 60, 70, 80

- Nominal Pipe Diameter (mm)
  - 300: 375
  - 375: 450
  - 450: 525
  - 525: 600
  - 600: 750
  - 750: 900

- Nominal Cover (mm)
  - 310

- Length (mm)
  - 400

- Weight (kg)
  - 4.6

- Volume (m³)
  - 0.45

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**Concrete Headwalls Single Cell Ø300mm to Ø900mm**

- Headwall Length
  - 1020

- Apron Depth at Outlet
  - 2000

- Apron Width
  - 1600

- Wingwall Length
  - 1040

- Inlet Protection 230 mm Thick Rock Mattress

- Outlet Protection 170 mm Thick Rock Mattress

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**Steel Reinforcement**

- E1 Bar
  - Ø12 mm
  - Quantity: 4

- N25 (See Note 1)

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**Material and Section Notes**

- Provide damp proof membrane for exposure classifications A2 and C.

- Apron depth at outlet: 2000

- Apron width: 1600

- Wingwall length: 1040

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**Other Details**

- Concrete headwalls are single cell, 800mm to 1800mm.

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**Send Feedback on This Standard Drawing to**

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