**ELEVATION**

- **Ø150 WEEPHOLES**

**SECTION**

- **NOT TO SCALE**

**PLAN**

- **SECTION**

**NOT TO SCALE**

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**NOTES**

1. CONCRETE STRENGTH GRADES SHOWN ARE FOR EXPOSURE CLASSIFICATION A2. REFER TO AS3600-2009, SECTION 4 FOR CONCRETE STRENGTH GRADES SHOWN ARE FOR EXPOSURE CLASSIFICATIONS.

2. WEEPHOLES ARE TO BE PROVIDED AT 1800 CENTRES (MAXIMUM) AT OUTLET ONLY.

3. ALL STEEL BARS TO BE GRADE 400Y TO AS4671-2001.

4. MESH LAPS SHALL BE MADE SO THAT THE TWO OUTERMOST WIRES OF THE SHEET BEING LAPED.

5. SPACING FOR MULTIPLE PIPES AS SPECIFIED IN R0240-01.

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**REFERENCED DOCUMENTS:**

- AS4671-2001 STEEL REINFORCING MATERIALS
- AS3600-2009 CONCRETE STRUCTURES
- SPECIFICATION B80 - CONCRETE WORK FOR BRIDGES
- SPECIFICATION R11 - STORMWATER DRAINAGE
- PUBLIC WORKS REGULATIONS 2001

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**ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN**

**SEND FEEDBACK ON THIS STANDARD DRAWING TO:**

technologystandards@rms.nsw.gov.au

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**STANDARD DRAWING**

R0210 STORMWATER DRAINAGE SERIES - HEADWALLS

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**ROAD DESIGN ENGINEERING**

- **MANAGEMENT - PROVISION DESCRIPTION**

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**CONCRETE HEADWALLS FIVE CELL Ø300 mm TO Ø900 mm**

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**CONCRETE N25 (SEE NOTE 1)**

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**STEEL REINFORCEMENT**

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**PROVIDE DAMP PROOF MEMBRANE FOR EXPOSURE CLASSIFICATIONS B2 & C**

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**REFERENCES TO OTHER DOCUMENTS:**

- PUBLIC WORKS REGULATIONS 2001
- AS4671-2001 STEEL REINFORCING MATERIALS
- AS3600-2009 CONCRETE STRUCTURES
- SPECIFICATION B80 - CONCRETE WORK FOR BRIDGES
- SPECIFICATION R11 - STORMWATER DRAINAGE

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**CONCRETE APRON PROTECTION (2 TO 1 BATTER OR STEEPER)**

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**REFERENCES TO OTHER DOCUMENTS:**

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- AS4671-2001 STEEL REINFORCING MATERIALS
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