**Standard Drawing No.**

**Rev.**

**Date**

**Amendment / Revision Description**

**WVR No.**

**Approval**

---

### Scales on A3 Size Drawing

<table>
<thead>
<tr>
<th>0</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>15</td>
</tr>
<tr>
<td>20</td>
<td>25</td>
</tr>
<tr>
<td>30</td>
<td>35</td>
</tr>
<tr>
<td>40</td>
<td>45</td>
</tr>
<tr>
<td>50</td>
<td>0 mm ON A3 SIZE ORIGIN A T H I S D R A W I N G M A Y B E P R E P A R E D I N C O L O U R A N D M A Y B E I N C O M P L E T E I F C O P I E D</td>
</tr>
</tbody>
</table>

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**Prepared By**

**© Roads and Maritime Services**

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### Not to Scale

#### Plan - Ø450 Single Cell Headwall

**Elevation**

**Section**

---

**Notes**

1. Concrete strength grades shown are for exposure classification A. Refer to AS3600-2009 for concrete strength classifications.
2. All exposed surfaces to be 25 mm chamfer.
3. Concrete grade N25.

---

### Table: Mark, Length, Number Required, Total Length, Mass

<table>
<thead>
<tr>
<th>Mark</th>
<th>Length (m)</th>
<th>Number Required</th>
<th>Total Length (m)</th>
<th>Mass (t)</th>
</tr>
</thead>
<tbody>
<tr>
<td>R2</td>
<td>1.89</td>
<td>11</td>
<td>20</td>
<td>2.07</td>
</tr>
<tr>
<td>W12</td>
<td>1.30</td>
<td>2</td>
<td>2.60</td>
<td>2.7</td>
</tr>
</tbody>
</table>

Concrete in one headwall: 5.84 m^3

---

**Bar Shape:** W12

---

**All Dimensions Are in Millimetres Unless Otherwise Shown**

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Send feedback on this standard drawing to technologystandards@rms.nsw.gov.au

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**Manager Roads & Technology**

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**Transport Roads & Maritime Services**

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**Road Design Engineering**

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**Road Policy, Specifications & Technology**

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**Engineering Services**

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**Identification Code:** R0210 STORMWATER DRAINAGE SERIES - HEADWALLS TAPERED CONCRETE MEDIAN HEADWALL

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**Issued**

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**Issue Date:** JANUARY 2017

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**Scan to Check**

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**Issue No.:** R0210-25

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**SML:** SML

---

**Notes:**

- Cones of strength grades shown are for exposure classification A. Refer to AS3600-2009 for concrete strength classifications.
- All exposed surfaces to be 25 mm chamfer.
- Concrete grade N25.
NOT TO SCALE

SECTION

ELEVATION

PLAN - Ø525 TO Ø750 SINGLE CELL HEADWALL

NOTES

1. CONCRETE STRENGTH GRADES SHOWN ARE FOR EXPOSURE CLASSIFICATION A2. REFER TO AS3600-2009 FOR CONCRETE STRENGTH GRADE, COVER TO REINFORCEMENT AND FOR OTHER EXPOSURE CLASSIFICATIONS.

2. ALL EXPOSED SURFACES TO BE 25 mm CHAMFER.

3. CONCRETE GRADE N25.

MEDIAN INVERT

MEDIAN INVERT

EDGE OF ROAD FORMATION

W12 2 REQD PER HEADWALL

BAR SHAPE: W12

DIA Ø f
525 990
600 750
675 1070
750 870
820 900
900 1070
990 1170

ELEVATION

ELEVATION

ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN

CONCRETE GRADE N25.

ALL EXPOSED SURFACES TO BE 25 mm CHAMFER.

CLASSIFICATIONS.

GRADE, COVER TO REINFORCEMENT AND FOR OTHER EXPOSURE CLASSIFICATIONS.

SEND FEEDBACK ON THIS STANDARD DRAWING TO:

technologystandards@rms.nsw.gov.au

DATE: 14.6.19

SML

BARS MARKED / QR CODE REMOVED (SHEET 1)