

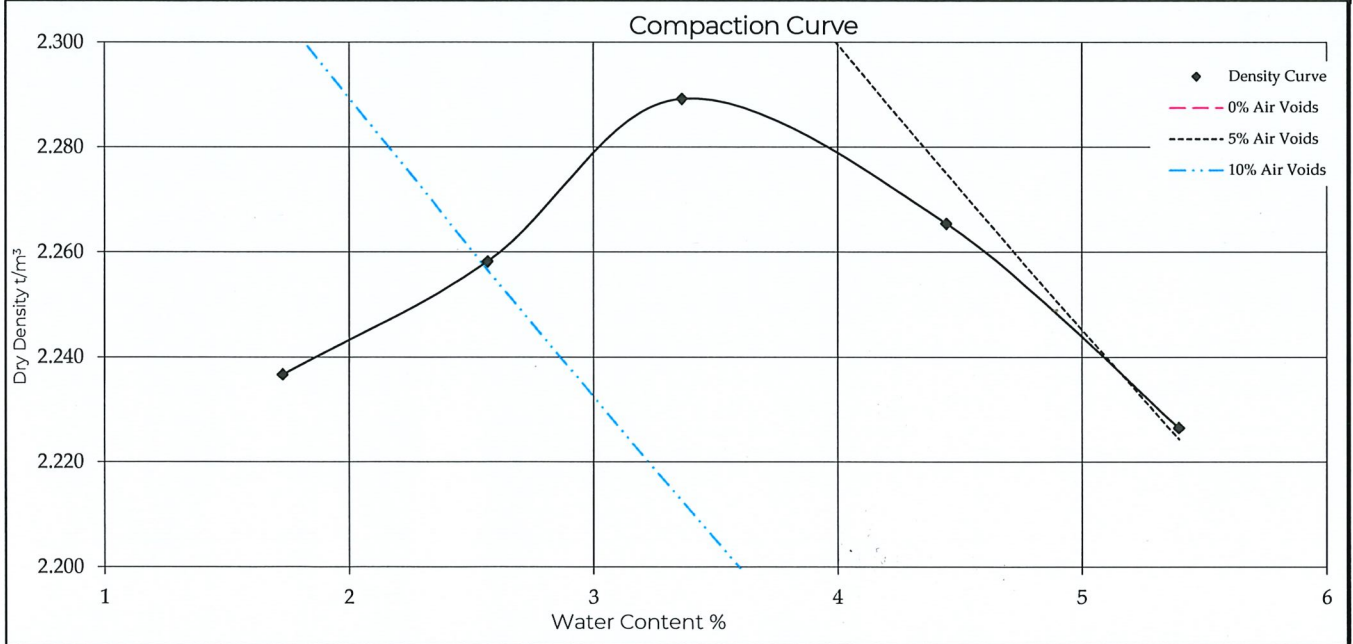
**DRY DENSITY / WATER CONTENT RELATIONSHIP  
VIBRATING COMPACTION**



Project : Quality Assurance  
 Location : Production Stock  
 Client : Road Metals Company Limited  
 Contractor : Various  
 Sampled by : Paul Campbell (Road Metals)  
 Date sampled : 18 March 2026  
 Sampling method : NZS 4407: 2015 (2.4.6.3.2)  
 Sample description : AP40  
 Sample condition : Damp as received  
 Solid density : 2.68 t/m<sup>3</sup> (Assumed)  
 Source : Yaldhurst Quarry

|                 |                |
|-----------------|----------------|
| Project No :    | 6-JRMCO.16/6LC |
| Lab Ref No :    | CH13790        |
| Client Ref No : | 910-LR-605     |

| Test Results                  |               |                  |             |             |                   |                       |       |   |
|-------------------------------|---------------|------------------|-------------|-------------|-------------------|-----------------------|-------|---|
| Maximum dry density           | 2.28          | t/m <sup>3</sup> |             |             |                   | Natural water content | 2.6   | % |
| Optimum water content         | 3.6           | %                |             |             |                   | Fraction tested       | Whole |   |
| Sample ID                     | -2%           | NAT              | +1%         | +2%         | +3%               |                       |       |   |
| Bulk density t/m <sup>3</sup> | 2.275         | 2.316            | 2.366       | 2.366       | 2.347             |                       |       |   |
| Water content %               | 1.7           | 2.6              | 3.4         | 4.4         | 5.4               |                       |       |   |
| Dry density t/m <sup>3</sup>  | 2.237         | 2.258            | 2.289       | 2.265       | 2.227             |                       |       |   |
| Sample condition              | Moist<br>Hard | Wet<br>Firm      | Wet<br>Firm | Wet<br>Firm | Saturated<br>Soft |                       |       |   |



| Test Methods                            | Notes                              |
|---|------------------------------------|
| Compaction NZS 4402 : 1986 : Test 4.1.3 | All information supplied by Client |

Date tested : 19 March 2026  
 Date reported : 26 March 2026

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Approved Signatory   
 Designation : Laboratory Manager  
 Date : 26 March 2026



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation