

**CONSTRUCTION
SPECIFICATION**

C212

CLEARING AND GRUBBING

SPECIFICATION C212 - CLEARING AND GRUBBING

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CITATION

This document is named “Kempsey Shire Council, Construction Specification C212 – Clearing and Grubbing”.

ORIGIN OF DOCUMENT, COPYRIGHT

This document was originally based on PMHC AUS-SPEC. Parts of the AUS-SPEC document that remain are still subject to the original copyright.

VERSIONS, C212 – Clearing and Grubbing

VERSION	AMENDMENT DETAILS	CLAUSES AMENDED	DATE ISSUED (The new version takes effect from this date)	Authorised by the Director of Infrastructure
1.0	Version 1 – First Draft Version		March 2025	

**SPECIFICATION C212
CLEARING AND GRUBBING****C212.01 SCOPE**

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| <p>1. The work to be executed under this Specification consists of the clearing of all vegetation, both living and dead, all minor man-made structures (such as fences and livestock yards), all rubbish and other materials which, in the opinion of the Principal Certifier, are unsuitable for use in the Works, the chipping of the crowns of trees and the branches of shrubs, and the grubbing of trees and stumps from the area defined in Clause C212.02. The work also includes the disposal, in accordance with Clause C212.05 and C212.06, of all materials that have been cleared and grubbed. All natural landscape features, including natural rock outcrops, natural vegetation, soil and watercourses are to remain undisturbed except where affected by approved limit of works.</p> <p>2. In advance of or in conjunction with clearing and grubbing operations, effective erosion and sedimentation control measures shall be implemented in accordance with Specification C211 CONTROL OF EROSION AND SEDIMENTATION.</p> <p>3. Explosives shall not be permitted to be used in clearing, grubbing or other demolition activities without the prior written approval of the Principal Certifier and Council.</p> | <p><i>Extent of Work</i></p> <p><i>Erosion Control</i></p> <p><i>Explosives</i></p> |
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C212.02 REFERENCE DOCUMENTS

1. Documents referenced in this specification are listed in full below whilst being cited in the text in the abbreviated form or code indicated.

(a) Council Specifications

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|------|---|--------------------------------------|
| C211 | - | Control of Erosion and Sedimentation |
| C273 | - | Landscaping |

(b) Australian Standards

(c) State Authorities

(d) Other

(e) Standard Drawings

C212.03 ABBREVIATIONS

C212.04 DEFINITIONS

C212.05 LIMITS OF CLEARING

1. Unless otherwise specified or directed, the area to be cleared is that required by site regrading works, including the area occupied by the completed road formation and associated drainage works and erosion and sedimentation measures, plus a clearance of 2m beyond tops of cuts and toes of embankments. The Principal Contractor and Principal Certifier shall ensure that only the absolute minimum area for construction is cleared.

*Limits of
Clearing*

2. Before clearing commences, the limits of clearing shall be marked by pegs placed by the Principal Contractor at 25m intervals, or at the Principal Certifier's discretion around the area to be cleared.

Indicator Pegs

Hold Point

C212.06 CLEARING OPERATIONS

1. The area within the limits of clearing shall be cleared of all vegetation, both living and dead, all minor man-made structures (such as fences and livestock yards), all rubbish and other materials which, in the opinion of the Principal Certifier, are unsuitable for use in the Works with the exception of certain trees marked for preservation. The Principal Contractor shall plan clearing operations such that wherever possible, clearing is carried out progressively and only the minimum area of land is left disturbed at any time.

Extent

2. The Principal Contractor shall give the Principal Certifier written notice of seven days of the intention to clear any area of the work. The Principal Certifier shall mark or indicate to the Principal Contractor the trees that shall be preserved as indicated in the approved plan. The Principal Contractor shall arrange for an inspection by the Principal Certifier and shall obtain the Principal Certifier's approval to proceed with clearing and grubbing. Trees that shall be preserved shall be protected during site works by the erection of solid barricades, as shown on the design plans and clear of the canopy line, unless otherwise authorised by the Principal Certifier.

*Trees to be
preserved*

3. The Principal Contractor shall take all measures to prevent damage to existing underground and overhead utility services.

Utility services

4. The erection of structures, excavation and filling, changes to soil profiles, stockpiling of spoil, storage of other materials and driving or parking of any vehicle or machinery within the canopy line of trees to be retained shall not be permitted unless part of the works as approved by the Principal Consultant.

*Disturbance
near trees*

5. The Principal Contractor shall plan all operations to ensure that there is no damage to any trees outside the limits of clearing specified in the approved plan.

*Trees outside
Limits of Work*

Damage to trees shall also include damage to bark and root systems.

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| 6. Any tree within the road reserve but outside the limits of clearing which is, in the opinion of a qualified Arborist, the Principal Certifier and Council's representative, unsound and highly likely to fall upon the roadway shall be cleared and disposed of in accordance with Clause C212.05. | <i>Unsound trees
in Road
Reserve</i> |
| 7. If directed by the Principal Certifier, any branch, which overhangs the road formation, shall be cut back to the tree trunk and disposed of in accordance with Clause C212.05. | <i>Overhanging
branches</i> |
| 8. Every precaution shall be taken to prevent timber from falling on private property and the Principal Contractor shall dispose of any timber so fallen or produce the written consent of the owner to its remaining there. Prior to entering private property, the Principal Contractor shall obtain consent from the property owner. | <i>Debris in
Private
Property</i> |
| 9. Damage of any kind, including damage to fencing, occurring during clearing operations shall be made good by the Principal Contractor | <i>Damage to
Property</i> |

C212.07 GRUBBING

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| 1. All trees and stumps, on or within the limits of clearing, unable to be felled and removed by the clearing methods used by the Principal Contractor shall be removed by grubbing. | <i>Extent</i> |
| 2. Grubbing operations shall be carried out to a depth of 0.5 m below the natural surface or 1.5m below the finished surface level, whichever is the lower. | <i>Depth</i> |
| 3. Holes remaining after trees and stumps have been grubbed shall be backfilled promptly with sound material to prevent the infiltration and ponding of water. The backfilling material shall be compacted to at least the relative density of the material existing in the adjacent ground. The Principal Certifier shall inspect the site at the completion of grubbing works. | <i>Backfill Holes</i> |

C212.08 CHIPPING OF CLEARED VEGETATION

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| 1. Unless otherwise specified in the conditions of consent, the Principal Contractor shall produce a wood-chip mulch derived from crowns of trees and branches of shrubs cleared under this Specification. The wood-chip mulch produced shall be stockpiled for subsequent use in accordance with Specification C273 LANDSCAPING or for use at other locations within the area covered by the development consent as appropriate. | <i>Wood-chip
Mulch</i> |
| 2. The wood-chip mulch shall be produced from branches having a maximum diameter of 100 millimetres and the chipped material produced shall not have two orthogonal dimensions exceeding 75mm and 50mm. | <i>Dimensions</i> |

C212.09 DISPOSAL OF MATERIALS

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| 1. Unless otherwise specified elsewhere, all materials cleared and grubbed in accordance with this Specification shall be removed from the site and legally disposed of by the Principal Contractor. | <i>Removal from
Site</i> |
| 2. Unless otherwise approved by the Principal Certifier in writing, disposal of timber and other combustible materials by burning shall not be permitted. Where the Principal Contractor obtains the prior written approval of the NSW Rural Fire Service, | <i>Burning not
Permitted</i> |

CLEARING AND GRUBBING

the Principal Contractor shall comply with all Statutory requirements applicable to burning off, and any such burning off shall be carried out in such a manner that no damage is done to any trees outside the limits of clearing. Smoke resulting from such burning off shall not cause a traffic hazard.

3. The Principal Contractor shall submit, seven (7) days prior to disposal, notice of method of disposal of material for the approval of the Principal Certifier and Council's representative.

Approval