

DEVELOPMENT CONSTRUCTION SPECIFICATION

C101

GENERAL

Amendment Record for this Specification Part

This Specification is Council's edition of the AUS-SPEC generic specification part and includes Council's primary amendments.

Details are provided below outlining the clauses amended from the Council edition of this AUS-SPEC Specification Part. The clause numbering and context of each clause are preserved. New clauses are added towards the rear of the specification part as special requirements clauses. Project specific additional script is shown in the specification as italic font.

The amendment code indicated below is 'A' for additional script 'M' for modification to script and 'O' for omission of script. An additional code 'P' is included when the amendment is project specific.

Amendment Sequence No.	Key Topic addressed in amendment	Clause No.	Amendment Code	Author Initials	Amendment Date
<i>EXAMPLE 1</i>	<i>Provision for acceptance of nonconformance with deduction in Payment</i>	<i>XYZ.00</i>	<i>AP</i>	<i>KP</i>	<i>2/6/97</i>
A	NAASRA to AUSTROADS	C101.1 7	M	MD	11/12/13

SPECIFICATION C101 : DEVELOPMENT CONSTRUCTION - GENERAL**GENERAL REQUIREMENTS****C101.01 CONFLICT BETWEEN APPROVED DRAWINGS AND SPECIFICATION**

1. Where conflict or inconsistency arises between the Approved Plans, Standard Drawings and/or the Specification, the Contractor shall notify the Principal Certifying Authority and consult the Principal Certification for a determination.

C101.04 DRAWINGS

1. A set of approved plans as issued with the Construction Certificate shall be kept on site at all times during the work.

2. A copy of the Notification Determination of Development Application (Development Consent) shall be kept on site at all times during the work.

3. A set of standard drawings shall be kept on site at all times. Unless otherwise approved by the Principal Certifying Authority the following Department of Housing Standard Drawings shall apply to the works:

- a. RM 01 - Standard Kerb and Gutter
- b. RM 07 - Standard Grated Gully Pit to Concrete Accessway
- c. RM 10 - Standard Grated Kerb Inlet Pit
- d. RM 11 - Standard Surcharge Pit
- e. RM 15 - Standard Concrete Headwall (300 to 900 dia)
- f. RM 16 - Standard Concrete Headwall (1050 to 1350 dia)
- g. RM 17 - Standard Concrete Headwall (1500 to 1800 dia)

C101.05 STANDARDS AND TEST METHODS

1. Unless otherwise specified, materials and workmanship shall be in accordance with the relevant standard of the Standards Association of Australia.

**Australian
Standards**

2. The AS standards applicable to the Works shall be the edition current as at 14 days prior to the commencement of work.

3. Overseas standards and other standard documents named in the Specification shall be applicable in the same manner as Australian Standards to relevant materials and workmanship.

**Overseas
Standards**

4. Copies of any standards quoted or referred to in the Specification shall be kept on the site if so specified.

**Copies to be
kept on Site**

GENERAL

5. Where no suitable AS test methods are available, those of the relevant State Road Authority shall be used.

Other Test Methods

C101.06 TESTING AND SURVEY

1. The minimum frequency of testing and survey shall be in accordance with either the Specification for QUALITY CONTROL REQUIREMENTS .

Minimum Frequency

C101.07 WORKING AREAS

1. If existing fencing is cut or altered by the Contractor, the Contractor shall provide and maintain temporary fencing to the satisfaction of the Principal Certifying Authority during the Contract to prevent unauthorised entry into the property, and shall reinstate the fencing and remove temporary fencing on completion of the work.

Temporary Fencing

C101.08 SMOOTH JUNCTIONS

1. Construction shall make smooth junctions with the existing work.

C101.10 SITE MEETINGS

1. Regular site meetings will be held for the purpose of discussion of the progress and co-ordination of the work and any matters of doubt regarding the intent or interpretation of the Drawings or the Specification. The Contractor shall arrange for relevant sub-contractors or their responsible representatives to be present at these meetings. The meetings will be held at a time agreed by the Principal Certifying Authority and the Contractor.

Representation

2. The Contractor shall give the Principal Certifying Authority 48 hours notice of the date, time and location of the meetings.

Advice to Council

4. The Developer or the Developer's Representative shall chair site meetings, keep minutes of the proceedings and shall provide copies of the minutes for the Contractor, all present at the meeting and others concerned with the matters discussed.

Responsibility for Minutes

5. No action shall be taken as a result of a meeting until the minutes have been accepted in writing as a true record of the meeting by the Principal Certifying Authority.

C101.11 WORK-AS-EXECUTED DRAWINGS

1. A certified Work-as-Executed Drawings for the work shall be submitted to the Principal Certifying Authority prior to release of the Subdivision Certificate. The Work-as-Executed Drawings shall comply with the Notification of Determination of Development Application (Development Consent).

Submission

2. Work-as-Executed Drawings shall show in red ink all changes to the Approved Drawings and actual values of all levels shown on the Drawings. The Drawings shall be signed by a Registered Surveyor and certified by the Designer that the work as completed, including variations, meets the design intent.

Certification

ENVIRONMENTAL REQUIREMENTS

C101.14 PROTECTION OF THE ENVIRONMENT

1. All work shall be carried out in such a manner as to avoid nuisance and/or damage to the environment. The Contractor shall comply with the requirements of the conditions of the Notification of Determination of Development Application (Development Consent), the Approved Soil & Water Management Plan, Protection Of The Environment Operations (POEO) Act and all other relevant Acts. **Conformance to Acts**
2. The Contractor shall plan and carry out the Works to avoid erosion, contamination and sedimentation of the site and its surroundings. **Erosion Control**
3. Herbicides and other toxic chemicals shall not be used on the site without the prior written approval of the Principal Certifying Authority. **Herbicides and Toxic Chemicals**
4. No noise or smoke or other nuisance, which in the opinion of the Principal Certifying Authority is unnecessary or excessive shall be permitted by the Contractor in the performance of the Works. Should work outside customary working hours be approved, the Contractor shall not use, during such period, any plant, machinery or equipment which in the opinion of the Principal Certifying Authority is causing or is likely to cause a nuisance to the public. No noisy works and/or works likely to disturb nearby residents shall be undertaken during the hours precluding such activity as specified by Council in accordance with the requirements for development consent and building approval made under the Local Government Act and the POEO Act. **Noise, Smoke or Other Nuisances**
5. The Contractor shall ensure that dust from the site is minimised by a method approved by the Principal Certifying Authority. **Dust Control**

C101.16 BLASTING

1. Blasting will not be permitted.

C101.17 LIMITS ON NOISE

1. The Contractor shall only use plant that have effective residential class silencers fitted to all engine exhaust, have engine covers fitted, are maintained in good order, and in addition meet the following requirements. **Plant with Silencers**
 - (a) On purchase have met the AUSTROADS Specification for Noise levels of plant and equipment, or
 - (b) Have a Maximum Noise level (L_{AMAX}) less than 80 dB(A) when measured at a distance of 7 metres.
2. Operational hours of plant or other noise generating equipment shall be restricted to between 7 a.m. and 5 p.m. Monday to Friday, between 8 am and 1 pm on Saturday and at no times on Sundays or public holidays. Work outside of the hours specified shall not be undertaken without the prior approval of the Principal Certifying Authority. **Working Hours**
3. Notwithstanding noise emission limits on plant, noise emanating from the construction site when measured at any noise sensitive location (such as a residential premise), as determined by the Environment Protection Authority shall not exceed an L10 sound pressure level (noise level exceeded for 10% of the sample time) the greater of: **Maximum Noise Levels**

GENERAL

- (a) Short term (period of up to 1 month) 65dBA or 20dBA above ambient
- (b) Medium term (period of 1 month up to 6 months) 55dBA or 10dBA above ambient
- (c) Long term (any period of more than 6 months) 50dBA or 5dBA above ambient

4. The monitoring positions and time period for monitoring purposes shall be set by the EPA with the time period generally based on a series of 10 to 15 minute measurements which shall be averaged over the entire daily working period for the activity concerned.

Monitoring

C101.18 LIMITS ON GROUND VIBRATION

1. It is the intent of this Specification that ground vibration levels, transmitted from operating items of plant in the vicinity of residential premises shall not exceed levels that are close to the lower level of human perception inside the premise nor will cause structural damage to the building.

Levels

2. Vibration (RMS Z-Axis) generated by construction works shall not exceed

Limits

Curve 4 - for the period of 1 month or less

Curve 2 - for the period of more than 1 month

as defined in British Standard BS6472 "Evaluation of Human Exposure to Vibration in Buildings (1 HZ to 80 HZ)" when measured inside nearby residential premises.

3. Ground vibrations generated by construction works shall not exceed a peak particle velocity (V_R max) limit of 5 mm/sec when measured within one metre of any residential premise.

Peak Particle Velocity

SPECIFICATION C101 - GENERAL

CLAUSE	CONTENTS	PAGE
GENERAL REQUIREMENTS		1
C101.04	DRAWINGS.....	1
C101.05	STANDARDS AND TEST METHODS.....	1
C101.06	TESTING AND SURVEY.....	2
C101.07	WORKING AREAS.....	2
C101.08	SMOOTH JUNCTIONS	2
C101.10	SITE MEETINGS.....	2
C101.11	WORK-AS-EXECUTED DRAWINGS	2
ENVIRONMENTAL REQUIREMENTS.....		3
C101.14	PROTECTION OF THE ENVIRONMENT	3
C101.16	BLASTING	3
C101.17	LIMITS ON NOISE.....	3
C101.18	LIMITS ON GROUND VIBRATION	4