



DEMOLITION



1 GENERAL

1.1 CROSS REFERENCES

General

Conform to the *Preliminaries*.

Conform to the Environmental Management section of the Invitation to Tender document.

Related worksections

Conform to associated worksections as follows: Earthworks

1.2 STANDARD

General

Demolition: To AS 2601.

1.3 INTERPRETATION

Demolished materials classes

Salvaged for re-use: Demolished materials scheduled for re-use in the works.

Salvaged for disposal: Demolished materials scheduled for re-use elsewhere.

Demolished for re-use: Non-scheduled demolished materials proposed by contractor for re-use in the works.

Demolished for removal: Other demolished materials.

Dilapidation record

The photographic and written record made before demolition work of the condition of the existing building, adjacent buildings, and other relevant structures or facilities.

1.4 ARCHAEOLOGY

Archeological Report

The site archaeological survey report is for information only. The information on significant features is with regard to the nature of remnants at each tested part. It is not a complete description of conditions on the site.

Historical Artefacts

This site has been classified a site of significant historical significance, and a detail excavation and investigation of the site has been carried out prior to new works commencing on site. As all items of historical importance may not have been found during the initial investigation works, the Contractor must notify the Principal immediately of any items of historical importance, coins, fossil or indigenous remains or other antiques that may be uncovered during excavation.

Do not damage such items and remove them and hand them over as directed by the Principal. Such items shall remain the property of the Principal.

2 QUALITY

2.1 INSPECTION

Witness points

Give sufficient notice so that inspection may be made of the following:

- Adjacent structures before demolition.
- Services before disconnection or diversion.
- Trees specified to be retained, before demolition.
- Contents of building before demolition.
- Structure after stripping and removal of roof coverings and other external cladding.
- Underground structures after demolition above them.
- Excavations remaining after removal of underground work.
- Site after removal of demolished materials.
- Services after reconnection or diversion.

Hold points

> refer to Preliminaries Clause 6.4 Archaeological Monitoring

2.2 SUBMISSIONS

Authorities

Evidence of compliance: Before commencing demolition, submit evidence that

- requirements of authorities relating to the work under the contract have been ascertained;
- a permit to demolish has been obtained from the appropriate authority;
- a scaffold permit has been obtained from the appropriate authority (if scaffolding is proposed to be used);
- precautions necessary for protection of persons and property have been taken and suitable protective and safety devices provided to the approval of the relevant authority;
- treatment for rodent infestation has been carried out and a certificate has been obtained from the appropriate authority; and
- fees and other costs have been paid.

Demolition

Work plan: Submit the work plan before demolition or stripping work. Include the following information:

- The method of protection and support for adjacent property.
- Locations and details of necessary service deviations and terminations.
- If removal of asbestos or of material containing asbestos is required, the information specified in NOHSC 2002 Code of Practice for the Safe Removal of Asbestos.
- Methodology for compliance with the Preliminaries clause 6.4 Archaeological Monitoring

Records

Dilapidation record: Submit a copy of the dilapidation record for inspection. Submit to each owner of adjacent property a copy of the part of the record relating to that property.

3 MATERIALS AND COMPONENTS

3.1 EXISTING SITE

Works by the Principal

The Principal shall complete the following works prior to commencement of work by the Contractor:-

- all trees on site will be removed. Trees in planters will be removed only down to the top of the planter. Other trees and shrubs will be removed to ground level. The balance of demolition of trees and the planters is the responsibility of the Contractor;
- removal of the Parking Guidance sign and the parking ticketing machines.
- rubbish bins and seats along Little Collins Street.

3.2 DEMOLISHED MATERIALS

Demolished materials

Ownership: Ownership of demolished materials is described in the **Demolished materials classes table**.

Re-use: If it is proposed to re-use demolished materials in the works, submit proposals.

Salvage: Recover without damage materials to be salvaged.

Removal: Remove from the site demolished materials which are the property of the contractor. Do not burn or bury on site.

- Transit: Prevent spillage of demolishing materials in transit.

Demolished materials classes table

Class	Ownership
Salvaged for re-use	Principal/Proprietor
Salvaged for disposal	Principal/Proprietor
Demolished for re-use	Principal/Proprietor
Demolished for removal	Contractor

Salvaged materials for re-use schedule

Item for re-use	Location for re-use
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Item for re-use	Location for re-use
bluestone kerb and channels are to be salvaged in good condition	Contractor shall deliver to CityWide depot in Green Street, North Melbourne.

Salvaged materials for disposal schedule

Item for disposal	Location for disposal
None	

4 EXECUTION

4.1 SUPPORT

Temporary support

Existing buildings: Until permanent support is provided, provide temporary support for sections of existing buildings which are to be altered and which normally rely for support on work to be demolished.

Ground support: Support excavations for demolition of underground structures.

Adjacent structures: Provide supports to adjacent structures where necessary, sufficient to prevent damage resulting from the works.

- Lateral supports: Provide lateral support at least that given by the structure to be demolished, using shoring.
- Vertical supports: Provide vertical support where necessary using piling or, underpinning or both.

Permanent supports

If permanent supports for adjacent structures are necessary and are not described, give notice and obtain instructions.

4.2 PROTECTION

Encroachment

Prevent the encroachment of demolished materials onto adjoining property, including public places.

The handling and disposal of demolished materials shall be in strict conformity with the Contractor's Environmental Management Plan in particular the requirements for 'Site Control' under Clause EM1.3.4.

Weather protection

If walls or roofs are opened for alterations and additions or the surfaces of adjoining buildings are exposed, provide temporary covers to prevent water penetration. Provide covers to protect existing plant and equipment and materials intended for re-use.

Dust protection

Provide dust-proof screens, bulkheads and covers to protect existing finishes and the immediate environment from dust and debris.

Security

If a wall or roof is opened for alterations and additions, provide security against unauthorised entry to the building.

Temporary screens

General: Fill the whole of designated temporary openings or other spaces using dust and weatherproof temporary screens, fixed securely to the existing structure.

Type: Timber framed screens sheeted with fibre cement and painted. Seal the junctions between the screens and the openings.

Temporary access

Provide a substantial temporary doorset fitted with a rim deadlock, and remove on completion of demolition.

Exposed surfaces

General: Where necessary protect and weatherproof the surfaces of adjacent structures exposed by demolition.

4.3 DEMOLITION

Dilapidation record

Purpose: Use the dilapidation record to assess the responsibility for damage or making good, or both, arising out of demolition work.

Availability: Keep the records of the investigations on site and available for inspection until practical completion of the contract.

Encroachment

If encroachments from adjacent structures are encountered and are not described, give notice and obtain instructions.

Concrete slabs

Using a diamond saw, neatly cut back or trim to new alignment with a clean true face existing concrete slabs to be partially demolished or penetrated.

Explosives

Do not use explosives.

4.4 HAZARDOUS MATERIALS

Identified hazardous materials schedule

Item	Hazardous material	Component
None		

Hazardous materials

Give notice immediately hazardous materials or conditions are found, including the following:

- Asbestos or material containing asbestos.
- Flammable or explosive liquids or gases.
- Toxic, infective or contaminated materials.
- Radiation or radioactive materials.
- Noxious or explosive chemicals.
- Tanks or other containers which have been used for storage of explosive, toxic, infective or contaminated substances.

Asbestos removal

Method: Use wet removal methods.

Covering: Use polyethylene sheet covering for non-asbestos surfaces in the working area.

Sealing: Seal in remaining fibres on the surface from which asbestos has been removed, with a spray adhesive.

Monitoring: Have dust monitoring performed by an independent testing authority.

4.5 ARCHAEOLOGY

Archaeological Monitoring

Comply with the requirements of Preliminaries clause 6.4 Archaeological Monitoring.

5 COMPLETION

5.1 COMPLETION

Notice of completion

Give at least 7 working days' notice of completion of demolition so that adjacent structures may be inspected following completion of demolition.

Support

Temporary support: Clear away at completion of demolition.