

# CHINESE KILN & MARKET GARDEN



CHINESE KILN & MARKET GARDEN SOHE 2008



H2106 Chinese Kiln and Market Garden Bendigo Nth



H2106 Chinese Kiln and Market Garden Bendigo Nth excavation



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Chinese Kiln Bendigo.jpg



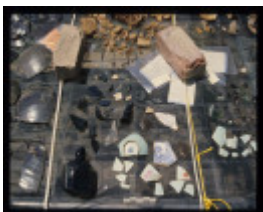
Chinese Kiln Bendigo2.jpg



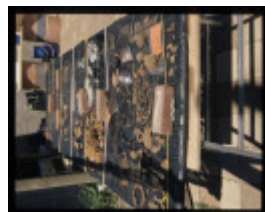
H2106 Chinese Kiln and Market Garden. Connection of kiln bowl to uphill fire box exposed during Investigations 22 May 2012



H2106 Chinese Kiln nov 2005 photo 1.jpg



H2106 Chinese Kiln nov 2005 photo 2.jpg



H2106 Chinese Kiln nov 2005 photo 3.jpg



H2106 Chinese Kiln nov 2005 photo 4.jpg



H2106 Chinese Kiln nov 2005 photo 5.jpg



H2106 Chinese Kiln nov 2005 photo 6.jpg



H2106 Chinese Kiln nov 2005 photo 7.jpg



H2106 Chinese Kiln nov 2005 photo 8.jpg



H2106 Chinese Kiln nov 2005 photo 9.jpg



H2106 Chinese Kiln nov 2005 photo 10.jpg



H2106 Chinese Kiln nov 2005 photo 11.jpg



H2106 Chinese Kiln nov 2005 photo 12.jpg



H2106 Chinese Kiln nov 2005 photo 13.jpg



H2106 Chinese Kiln nov 2005 photo 14.jpg



H2106 Chinese Kiln nov 2005 photo 15.jpg



H2106 Chinese Kiln nov 2005 photo 16.jpg



H2106 Chinese Kiln nov 2005 photo 17.jpg



H2106 Chinese Kiln nov 2005 photo 18.jpg



H2106 Chinese Kiln nov 2005 photo 19.jpg



H2106 Chinese Kiln nov 2005  
photo 20.jpg



H2106 Chinese Kiln nov 2005  
photo 21.jpg



hill kiln china.jpg



lungtan pottery hainan.jpg



chinese kiln.view.jpg

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## Location

40 THUNDER STREET NORTH BENDIGO , GREATER BENDIGO CITY

## Municipality

GREATER BENDIGO CITY

## Level of significance

Registered

## Victorian Heritage Register (VHR) Number

H2106

## Heritage Overlay Numbers

HO719

## VHR Registration

September 14, 2006

## Heritage Listing

Victorian Heritage Register

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## Statement of Significance

Last updated on - September 18, 2006

What is significant?

The archaeological site of the Chinese Kiln and Market Garden, Bendigo North, contains the partially demolished remains of a Chinese cross-draught brick kiln and artefacts associated with the use of the kiln between 1859 and the 1880s.

Newspaper records indicate that the kiln was constructed by the A'Fok, Fok Sing and Co in 1859 when the site was immediately south east of the large Chinese camp known as Ironbark, established in 1855. The kiln appears to have been in use until the 1880s when a market garden was established on the site, the land having been acquired by Ah Jet in 1884. The market garden was abandoned around 1950 however several trees on the site still reflect this commercial use. The current owners purchased the land in the late 1970s.

Partial archaeological excavation of the site in late 2005 revealed the remains of a large domed clay brick kiln built into the bank in the west of the site. The arched firebox leading to the firing chamber is at least 1.5 metres deep and buried along with the fire box, flue, and lower section of the circular firing chamber which is estimated to be around 10 metres in diameter, extending under Thunder Street. The kiln originally stood about 10 metres high but the top of the dome has been partially demolished during construction of the road. The design of the kiln strongly suggests Asian, probably Chinese, technology especially in the construction of the wall-through firebox.

Excavation on the kiln also revealed artefacts associated with the use of the kiln including brick fragments. Bricks used in the construction of a garden wall in Rowan Street Bendigo are thought to have been manufactured in the kiln.

Excavation of the later deposit which has filled the firebox and a transect of test excavations across the site revealed a dense *in situ* deposit of mainly late 19th century artefacts such as English and Chinese ceramics, including a number of complete or near complete large earthenware jars, Chinese glass gaming counters and bottle glass related to use of the site as a market garden and residence from the 1880s.

Trees on the site that date to the use of the area as a market garden are a Fig (*Ficus carica*), Pear (*Pyrus communis cv.*) and Licorice.

How is it significant?

The Chinese Kiln and Market Garden, Bendigo North is of archaeological and historical significance to the State of Victoria

Why is it significant?

The Chinese Kiln and Market Garden is of archaeological significance to the State of Victoria being the only known surviving Chinese brick kiln in Victoria and possibly in Australia. Chinese brick kilns are considered extremely rare outside the Chinese mainland.

The Chinese Kiln and Market Garden is of historical significance for its association with Chinese settlement in Bendigo and as tangible evidence of the lives and enterprise of Chinese immigrants who came in large numbers to the Victorian goldfields during the second half of the 19th century. Along with the nearby Bendigo Joss House or Chinese Temple (H1791), the Chinese Kiln and Market Garden is historically significant for its association with the large Chinese camp of Ironbark, established in 1855 and the only Chinese Camp in Bendigo to have persisted into the 20th century.

Test excavation on the site has demonstrated the very high archaeological potential of the Chinese Kiln and Market Garden site to provide information about the processes and technology of 19th century brick manufacture that the Chinese brought with them to Australia and the operations of a late 19th century Chinese market garden. Excavated artefacts such as gaming tokens also demonstrate the archaeological potential of the site to provide insight into the lives of Chinese Australians who lived and worked on the site and more generally the economy and social life of the 19th century Chinese camp of Ironbark.

## Permit Exemptions

## General Exemptions:

General exemptions apply to all places and objects included in the Victorian Heritage Register (VHR). General exemptions have been designed to allow everyday activities, maintenance and changes to your property, which don't harm its cultural heritage significance, to proceed without the need to obtain approvals under the Heritage Act 2017.

**Places of worship:** In some circumstances, you can alter a place of worship to accommodate religious practices without a permit, but you must **notify** the Executive Director of Heritage Victoria before you start the works or activities at least 20 business days before the works or activities are to commence.

**Subdivision/consolidation:** Permit exemptions exist for some subdivisions and consolidations. If the subdivision or consolidation is in accordance with a planning permit granted under Part 4 of the *Planning and Environment Act 1987* and the application for the planning permit was referred to the Executive Director of Heritage Victoria as a determining referral authority, a permit is not required.

Specific exemptions may also apply to your registered place or object. If applicable, these are listed below. Specific exemptions are tailored to the conservation and management needs of an individual registered place or object and set out works and activities that are exempt from the requirements of a permit. Specific exemptions prevail if they conflict with general exemptions.

Find out more about heritage permit exemptions [here](#).

## Specific Exemptions:

**General Conditions:** 1. All exempted alterations are to be planned and carried out in a manner which prevents damage to the fabric of the registered place and objects. **General Conditions:** 2. Should it become apparent during further inspection or the carrying out of works that original or previously hidden or inaccessible details of the place or object are revealed which relate to the significance of the place or object, then the exemption covering such works shall cease and Heritage Victoria shall be notified as soon as possible. **Note:** All archaeological places have the potential to contain significant sub-surface artefacts and other remains. In most cases it will be necessary to obtain approval from the Executive Director, Heritage Victoria before the undertaking any works that have a significant sub-surface component. **General Conditions:** 3. If there is a conservation policy and plan endorsed by the Executive Director, all works shall be in accordance with it. **Note:** The existence of a Conservation Management Plan or a Heritage Action Plan endorsed by the Executive Director, Heritage Victoria provides guidance for the management of the heritage values associated with the site. It may not be necessary to obtain a heritage permit for certain works specified in the management plan. **General Conditions:** 4. Nothing in this determination prevents the Executive Director from amending or rescinding all or any of the permit exemptions. **General Conditions:** 5. Nothing in this determination exempts owners or their agents from the responsibility to seek relevant planning or building permits from the responsible authorities where applicable.

**Regular Site Maintenance :** The following site maintenance works are permit exempt under section 66 of the Heritage Act 1995: a) regular site maintenance provided the works do not involve the removal or destruction of any significant above-ground features, remnant market garden trees on the site or sub-surface archaeological artefacts or deposits; b) the maintenance of an item to retain its conditions or operation without the removal of or damage to the existing fabric or the introduction of new materials; c) cleaning including the removal of surface deposits, organic growths, or graffiti by the use of low pressure water and natural detergents and mild brushing and scrubbing; d) repairs, conservation and maintenance to plaques, memorials, roads and paths, fences and gates and drainage and irrigation. e) the replacement of existing services such as cabling, plumbing, wiring and fire services that uses existing routes, conduits or voids, and does not involve damage to or the removal of significant fabric. **Note:** Surface patina which has developed on the fabric may be an important part of the item's significance and if so needs to be preserved during maintenance and cleaning. **Note:** Any new materials used for repair must not exacerbate the decay of existing fabric due to chemical incompatibility, obscure existing fabric or limit access to existing fabric for future maintenance. **Repair must maximise protection and retention of fabric and include the conservation of existing details or elements.**

**Fire Suppression Duties :** The following fire suppression duties are permit exempt under section 66 of the Heritage Act 1995, a) Fire suppression and fire fighting duties provided the works do not involve the removal or destruction of any significant above-ground features or sub-

surface archaeological artefacts or deposits; b) Fire suppression activities such as fuel reduction burns, and fire control line construction, provided all significant historical and archaeological features are appropriately recognised and protected; Note: Fire management authorities should be aware of the location, extent and significance of historical and archaeological places when developing fire suppression and fire fighting strategies. The importance of places listed in the Heritage Register must be considered when strategies for fire suppression and management are being developed. Weed and Vermin Control : The following weed and vermin control activities are permit exempt under section 66 of the Heritage Act 1995, a) Weed and vermin control activities provided the works do not involve the removal or destruction of any significant above-ground features or sub-surface archaeological artefacts or deposits; Note: Particular care must be taken with weed and vermin control works where such activities may have a detrimental affect on the significant fabric of a place. Such works may include the removal of ivy, moss or lichen from an historic structure or feature, or the removal of burrows from a site that has archaeological values. Public Safety and Security : The following public safety and security activities are permit exempt under section 66 of the Heritage Act 1995, a) public safety and security activities provided the works do not involve the removal or destruction of any significant above-ground structures or sub-surface archaeological artefacts or deposits; b) the erection of temporary security fencing, scaffolding, hoardings or surveillance systems to prevent unauthorised access or secure public safety which will not adversely affect significant fabric of the place including archaeological features; c) development including emergency stabilisation necessary to secure safety where a site feature has been irreparably damaged or destabilised and represents a safety risk to its users or the public. Note: Urgent or emergency site works are to be undertaken by an appropriately qualified specialist such as a structural engineer, or other heritage professional. Signage and Site Interpretation : The following Signage and Site Interpretation activities are permit exempt under section 66 of the Heritage Act 1995, a) signage and site interpretation activities provided the works do not involve the removal or destruction of any significant above-ground structures or sub-surface archaeological artefacts or deposits; b) the erection of non-illuminated signage for the purpose of ensuring public safety or to assist in the interpretation of the heritage significance of the place or object and which will not adversely affect significant fabric including landscape or archaeological features of the place or obstruct significant views of and from heritage values or items; c) signage and site interpretation products must be located and be of a suitable size so as not to obscure or damage significant fabric of the place; d) signage and site interpretation products must be able to be later removed without causing damage to the significant fabric of the place; Note: The development of signage and site interpretation products must be consistent in the use of format, text, logos, themes and other display materials. Note: Where possible, the signage and interpretation material should be consistent with other schemes developed on similar or associated sites. It may be necessary to consult with land managers and other stakeholders concerning existing schemes and strategies for signage and site interpretation. Mineral Exploration : The following Mineral Exploration activities are permit exempt under section 66 of the Heritage Act 1995, a) mineral Exploration activities provided the works do not involve the removal or destruction of any significant above-ground features or sub-surface archaeological artefacts or deposits; b) preliminary non-intrusive exploration, including geological mapping, geophysical surveys, and geochemical sampling and access to shafts and adits; c) advanced forms of exploration (drilling), including the location of drill pads and access tracks where this has been the subject of on-site negotiation and agreement with representatives of Heritage Victoria, DSE and Parks Victoria, and where all significant historic site features have been identified and protected as part of an approved work plan. Minor Works : Note: Any Minor Works that in the opinion of the Executive Director will not adversely affect the heritage significance of the place may be exempt from the permit requirements of the Heritage Act. A person proposing to undertake minor works may submit a proposal to the Executive Director. If the Executive Director is satisfied that the proposed works will not adversely affect the heritage values of the site, the applicant may be exempted from the requirement to obtain a heritage permit. If an applicant is uncertain whether a heritage permit is required, it is recommended that the permits co-ordinator be contacted.

#### Landscape:

Management and maintenance of the general living landscape, including shrubberies, borders and turf.

Management and maintenance of trees including formative and remedial pruning, removal of deadwood, pest and disease control, cabling (and similar supportive works), and planting and removal.

Management of trees in accordance with Australian Standard; Pruning of Amenity Trees AS 4373.

The process of gardening, mowing, hedge clipping, bedding displays, removal of dead plants, disease and weed control, emergency and safety works.

Vegetation protection and management of the possum population.

Removal of plants listed as noxious weeds in the Catchment and Land Protection Act 1994.

Emergency or safety works to plants, structures, paths, drainage, services or other components.

Construction dates	1859,
Heritage Act Categories	Registered place, Registered archaeological place, Registered object integral to a registered place,
Other Names	PEPPERGREEN FARM CHINESE BRICK KILN & MARKET GARDEN AREA,
Hermes Number	14222
Property Number	

## Plaque Citation

The archaeological site of the Chinese Kiln and Market Garden contains the remains of the only known example of 19th century Chinese brick kiln in Victoria, a Market Garden and associated artefacts.

## Extent of Registration

### NOTICE OF REGISTRATION

As Executive Director for the purpose of the **Heritage Act 1995**, I give notice under section 46 that the Victorian Heritage Register is amended by including the Heritage Register Number 2106 in the category described as a Heritage Place, Archaeological Place, Heritage Object(s):

Chinese Kiln and Market Garden, 44 Thunder Street, Bendigo North, City of Greater Bendigo Council.

### EXTENT:

1. All the land shown as L1 on Diagram 2106 held by the Executive Director.
2. The entire collection of archaeological material recovered from the site, documented in the site catalogue and held by the Executive Director.

Dated 8 September 2006

RAY TONKIN  
Executive Director

[*Victoria Government Gazette* G 37 14 September 2006 1948]

[*Some details of the extent of registration withheld pursuant to Section 34(4) &(5) of the Heritage Act 1995*]

*This place/object may be included in the Victorian Heritage Register pursuant to the Heritage Act 2017. Check the Victorian Heritage Database, selecting 'Heritage Victoria' as the place source.*

*For further details about Heritage Overlay places, contact the relevant local council or go to Planning Schemes Online <http://planningschemes.dpcd.vic.gov.au/>*