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Sculpture on the

Edge

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SCULPTURE ON THE EDGE FRIDAY 2nd – SUNDAY 11th MARCH 2012

RISK MANAGEMENT PLAN Prepared by Murray Ambler

AIMS & OBJECTIVES

Sculpture on the Edge is a public sculpture event to be held on public foreshore reserve at Bermagui. The installation, exhibition and deinstallation of sculptural artworks will expose workers, and the general public, to potential risks to their health and safety and will also present potential for environmental impact. Sculptures remaining in situ overnight will be subject to security risks. The aim of this plan is to identify the potential risks and provide strategies by which they can be minimised, if not eliminated.

LARGE SCULPTURES

PART 1: HEALTH & SAFETY

INSTALLATION & DEINSTALLATION

Site Supervisor

A suitably qualified person will be appointed to act in an advisory role to oversee the installation and deinstallation work programs. To be qualified this person will be able to demonstrate a high level of practical skills and experience in a relevant field and be familiar with OH&S best practice.

The supervisor will carry out duties including, but not limited to, as follows:

- Provide a briefing to workers prior to the commencement of work and outline the work program and methods, as well as an overview of OH&S issues.
- Inspect all tools and equipment to ensure they are in good working order.
- Assign workers to tasks and endeavour to ensure that workers are appropriately skilled to carry out the tasks which they have been assigned.
- Assess risks involved with work procedures and remain on hand to supervise any procedures considered to be of high risk, eg. erection of heavy overhead structures.
- Ensure that this Risk Management Plan's OH&S guidelines are complied with.

Site Inspection

The site is to be inspected under the direction of the site supervisor, before the commencement of work, for any hazards that present a risk to workers and the viewing public.

- All hazards should be noted and addressed at the pre-work briefing.
- Hazardous objects and debris are to be removed.
- Unremovable hazards are to be flagged.

Tools & Machinery

All tools and equipment used on site are:

- to be inspected by the supervisor to ensure they are in good working order;
 - only to be used by suitably experienced persons;
- Any person operating machinery requiring a licence must have the applicable licence.

Protective Clothing & Equipment

- Workers are to be advised to dress appropriately for sun protection, ie. long pants, long sleeved shirts, wide brimmed hats.
- Workers are to be provided with, and advised to wear, protective gloves.
- Operators of cutting, grinding and drilling equipment are to wear safety glasses.
- Operators of machinery are to wear ear protection.
- Workers are to wear sturdy leather footwear, preferably with steel caps.
- Workers involved in the erection of overhead structures are to wear hard hats.

Adverse Weather Conditions

Strong Sun & High Temperatures

- Workers are to be informed at the work briefing as to the risks of sunburn, sunstroke and heat exhaustion and how to mitigate the risks.
- In the event of extreme high temperature, work may need to be halted until temperature falls to an acceptable level.
- Drinking water is to be available on site.
- Sunscreen is to be available on site.

High Winds

- Work should not be carried out under trees that present a risk of falling branches.
- Sculptures which, by their design, will be difficult to install in gusty wind conditions should only be installed when winds abate to a manageable strength.
- Any equipment and materials that may pose a risk of becoming flying debris are to be secured.

Rain

- Work may continue in light rain conditions but workers should wear wet weather gear and be mindful of increased risk.
- Work is to cease when rain conditions become moderate to heavy or when causing workers significant discomfort or when the work site becomes dangerously slippery.
- No power tools are to be used in any rainy conditions.

Extreme Weather

All work should cease and the site be evacuated if an extreme weather event occurs such as an electrical storm or hurricane.

Sculpture Siting

Careful consideration needs to be given to the selection of sites for sculpture exhibits with regard to safety of workers and the viewing public. The following physical conditions for sculpture sites should be avoided if possible or have action taken to minimise the potential risk of injuries from trips and falls:

- Difficult access because of terrain or vegetation.
- Uneven surfaces.
- Slippery slopes.
- Cliffs within 10 metres where there are no fences or barricades.
- Any trip hazards or protruding objects in surrounding area. If unremovable, they are to be flagged or barricaded off as appropriate.

Waste Materials

All waste materials should be removed to a waste collection point as soon as practical and at the completion of each sculpture installation.

Lifting

The installation of sculptures is likely to require the lifting of heavy objects. Extra care needs to be taken to avoid back injury or crush injury. To minimise risks, the following actions are to be taken:

- A demonstration of correct lifting technique to be given at the pre-work briefing.
- The need for teamwork and effective communication to be stressed at the pre-work briefing and implemented on the work site.
- All heavy lift operations are to be under direction of the supervisor.
- All machine lift operations are only to be carried out by a suitably qualified operator.

Overhead Structures

When erecting overhead structures, the following risk management strategies are to be implemented:

- Hard hats are to be worn.
- Clear directions to be given by supervisor and the work team to engage in effective communication.
- Machine operations are only to be carried out by a suitably qualified operator.
- Tools and equipment not in use are not to be left on the structure from where they might fall.

Motor Vehicles

- Apart from on the existing access road and in a designated parking area, only motor vehicles involved in the delivery, erection and removal of sculptures or structures and/or the delivery and removal of tools and equipment are to be allowed on the site.
- All motor vehicles involved in the aforementioned operations are to be registered, roadworthy and drivers are to hold a current applicable licence.
- Drivers of motor vehicles are to have current third party personal injury insurance.
- Drivers of motor vehicles, or their insurers, will be liable for accidental property damage.

EXHIBITION

Sculpture

Outdoor public sculpture needs to be resilient enough to withstand impacts from the weather and minor vandalism, as well as being adequately secured to prevent theft. Consequently, outdoor sculpture is typically made from hard materials, may be large and once installed, will be relatively unmovable. This presents potential risks to the viewing public who may walk into, climb on or trip over sculptures resulting in fall, cut or crush injuries.

Design

Exhibiting sculptors need to be advised to be mindful of these risks in the design process and, where possible, avoid the following:

- Sharp edges and protrusions.
- Unstable bases on top heavy designs.
- Glass that is not zone toughened.
- Materials that could become flying debris in high winds.

Sculptors will be required to submit their designs to a committee prior to exhibition for approval. Any sculpture design may be rejected if deemed by the committee to present a high risk to the viewing public. Sculptures that present significant risk may be accepted subject to the exhibitor agreeing to allow the implementation of any or all of the following risk management strategies:

- Sculpture to be roped off for the duration of exhibition period.
- Trip hazards such as guy ropes to be flagged.
- Warning signs to be erected.

People Movement

A concentration of large numbers of people transiting on foot within a limited area offers potential for congestion and risk of injury from tripping and collision. The risk is minimised on this site because of its large area that will allow for anticipated crowd numbers to be widespread throughout the site. Implementation of the following strategies will further minimise risk:

Motor Vehicle Movement

Vehicular access to the site will not be available during the time of the exhibition itself. Temporary fencing to prevent such access will be erected prior to set up by Bega Valley Shire Council's Bermagui Town gang.

Litter

Litter can present hygiene health risks as well as risk of injury from trips and slips. Risk management strategies are as follows:

- Waste bins to be provided on site.
- A request to use the bins provided to be printed on the exhibition catalogue and on signage at the site management marquee located at the starting point.
- Litter to be cleaned up at the end of the day and on periodic patrols as required by workers using suitable protective clothing and equipment.

Staff Health & Safety

Fatigue

Health and safety risks to staff from fatigue shall be managed by:

- Providing seating at the site management marquee.
- Rostering staff for at least a half hour break every four hours.
- Restricting shifts to a maximum of eight hours.

Weather Exposure

Health and safety risks to staff from weather exposure shall be managed by:

- Provision of shade and shelter in the form of a marquee.
- Advising staff to dress appropriately for the weather conditions, eg. sun hats, light or warm clothing, raincoats.
- Provision of sunscreen.
- Provision of drinking water.

Medical Emergencies

In the event of a medical emergency, the most immediate assistance can be summoned by telephoning the appropriate contacts number listed at the end of this document.

"Sculpture on the Edge" staff will have access to mobile phone communication with the nearest emergency services. Emergency contact numbers printed at the end of this document will be held at the management marquee and distributed to all site personnel.

PART 2: ENVIRONMENTAL IMPACT

The management committee will maintain a policy of "leave no trace". This may ultimately prove unachievable as an absolute concept in the short term because of the nature of the event whereby impacts will occur from the siting of sculptures and the movement of large numbers of people. However, the aim will be to leave the site in its pre-existing condition to all but the most discerning eye and to facilitate the rapid recovery of any remaining traces of impacts.

Sculpture Siting & Installation

As of 2011, the headland exhibition site has been subject to cultural heritage protection legislation which prohibits earthworks. Sculptures to be exhibited on the headland will, in the main, need to be of a freestanding design. Steel pegs will be acceptable for additional anchorage if required. Compactable fill will be available to level sites.

By utilizing pre-existing post holes in an area on the end of the headland, sculptures may use a single foundation post that requires a hole at a maximum of 250mm wide and 450mm deep.

Sculptures that require earthworks for installation may still be accepted but can only be sited on the beach or an area of foreshore reserve behind the beach (see Map). In accordance with Council conditions, and the Management Committees environmental ethics, it will be the exhibiting artist's responsibility to restore the site after deinstallation.

Steel pegs are to be pulled on deinstallation and holes filled and rammed.

Waste Materials & Litter

Waste management has been addressed in Part 1 and the same strategies apply to mitigate environmental impact.

People Movement

Large numbers of people walking across the terrain can cause impacts such as soil compaction and wearing away of the grass cover to leave visible tracks. The potential for such impacts can be considered unavoidable given the nature of the event. However, the relatively short duration of the event should not lead to significant impacts of this nature and a quick natural recovery can be expected.

PART 3: SCULPTURE SECURITY

Sculpture exhibited in public space presents security risks through theft, accidental damage and vandalism. The following strategies are to be employed to manage and/or reduce these risks:

- All exhibitors to sign an acceptance form which excludes the committee from any liability for damage to or damage of sculptures or their theft.
- A lock-up storage area to be maintained for the storage of smaller sculptures to be removed by the exhibitor after exhibition hours.
- Periodic day and night time patrols to be carried out by volunteer staff.

SMALL SCULPTURES

PART 1: HEALTH & SAFETY

INSTALLATION & DEINSTALLATION

Site Supervisor

A suitably qualified person will be appointed to act in an advisory role to oversee the installation and deinstallation work programs. To be qualified this person will be able to demonstrate a high level of practical skills and experience in a relevant field and be familiar with OH&S best practice.

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- All hazards should be noted and addressed at the pre-work briefing.
- Hazardous objects and debris are to be removed.

Tools & Machinery

All tools and equipment used on site are:

- to be inspected by the supervisor to ensure they are in good working order;
- only to be used by suitably experienced persons;

Protective Clothing & Equipment

- Workers are to wear sturdy leather footwear, preferably with steel caps.
- Workers involved in the erection of overhead structures are to wear hard hats.

PART 2: SCULPTURE DISPLAY

Freestanding sculptures will be mounted on plinths provided by the Management Committee where possible. Larger or taller works will be placed on the floor. A limited number of wall and ceiling hung sculptures can be accepted, and must be delivered ready for display, with hooks, wire etc attached.

INSTALLATION & DEINSTALLATION

Works will be installed in the exhibition space in the Bermagui Community Centre by the curatorial team appointed by the Management Committee. Sculptors wishing to assist in installation of their own works will need to make prior arrangements with the curatorial team.

Design

Exhibiting sculptors need to be advised to be mindful of these risks in the design process and, where possible, avoid the following:

- Sharp edges and protrusions.
- Unstable bases on top heavy designs.
- Glass that is not zone toughened.

Sculptors will be required to submit their designs to a committee prior to exhibition for approval. Any sculpture design may be rejected if deemed by the committee to present a high risk to the viewing public. Sculptures that present significant risk may be accepted subject to the exhibitor agreeing to allow the implementation of any or all of the following risk management strategies:

- Sculpture to be roped off for the duration of exhibition period.
- Trip hazards such electrical cords to be taped down.

Lifting

The installation of sculptures may require the lifting of heavy objects. Extra care needs to be taken to avoid back injury or crush injury. To minimise risks, the following actions are to be taken:

- A demonstration of correct lifting technique to be given at the pre-work briefing.
- The need for teamwork and effective communication to be stressed at the pre-work briefing and implemented on the work site.
- All heavy lift operations are to be under direction of the supervisor.

Staff Health & Safety

Fatigue

Health and safety risks to staff from fatigue shall be managed by:

- Providing seating at the Bermagui Community Centre.
- Rostering staff for at least a half hour break every four hours.
- Restricting shifts to a maximum of eight hours.
- Provision of drinking water.

Medical Emergencies

In the event of a medical emergency, the most immediate assistance can be summoned by telephoning the appropriate contacts number listed at the end of this document.

“Sculpture on the Edge” staff will have access to mobile phone communication with the nearest emergency services. Emergency contact numbers printed at the end of this document will be held at the Bermagui Community Centre sales desk and distributed to all site personnel.

PART 3: SCULPTURE SECURITY

Sculpture exhibited in public space presents security risks through theft, accidental damage and vandalism. The following strategies are to be employed to manage and/or reduce these risks:

- All exhibitors to sign an acceptance form which excludes the committee from any liability for damage to or damage of sculptures.
- The exhibition space in the Bermagui Community Centre will be securely locked at all times outside exhibition hours.
- Volunteer staff will be present in the Bermagui Community Centre at all times that the exhibition space is open to the public.

EMERGENCY PHONE NUMBERS

Nearest Doctor: Bermagui Medical Centre, phone (02) 6493 4903 or 000 for ambulance.

Nearest Hospital: Bega District Hospital, McKee Drive, Bega, phone 6492 9111

Ambulance: 000 for emergencies, or 131 233

Fire Brigade: 000

Police: 000 or Bermagui Station, Wallaga Street, Bermagui, phone 6493 4244
