

## **Twickenham Alive Ice Rink Strawberry Hill House**

### **Design and access statement**

In recent years temporary ice rinks as part of the Winter festivities have become very popular. The Richmond Ice Rink in East Twickenham was known all over the world and was extremely popular and the intention is to provide a small temporary ice rink in the grounds of Strawberry Hill House.

The event is operated by Twickenham Alive and the rink is supplied by Satellite Ice, who are a leading supplier of outdoor temporary ice rinks. The rink will operate for seven weeks (plus two weeks for rig/de-rig) between November 2014 and February 2015.

Twickenham Alive set up and ran a successful temporary rink in the grounds of York House, Twickenham which operated from 30<sup>th</sup> November 2013 to 12<sup>th</sup> January 2014 having been granted planning permission under application 12/1850/FUL. The rink at Strawberry Hill House will be similar in size and scope to the previous York House rink.

### **Scope**

The proposal is a marquee structure (housing the skate exchange), one temporary ice rink pad/floor, one area for ice rink machinery housed within an acoustic enclosure (generator, chillers and pump) and one licensed drink concession and three small food concessions.

### **Layout**

The ice rink will be located in the grounds of Strawberry Hill House on the East Lawn. The marquee structure will house the skate hire area and viewing area. The acoustic enclosure housing the equipment will be behind the skate exchange adjacent to the gates from the car park allowing easy access. Access and exit to the ice rink marquee structure and rink area will be via a ramped area directly into the marquee. The food/drink concessions will be located on the temporary flooring adjacent to the skate exchange. The ice rink pad and skate exchange marquee will sit on raised marquee flooring, approximately 0.5m above ground level.

### **Scale**

Scale as submitted in drawings and scale maps. The ice rink will be 352m<sup>2</sup> (22m x 16m) with a maximum capacity for up to 100 skaters

per hour session. There will be a marquee structure to provide a skate exchange of 18m x 6m. The drink concession will be housed in a 6m x 3m heavy duty gazebo and the three food concessions will be housed in 3m x 3m heavy duty gazebos.

### **Landscaping and ground repair**

There will be no additional landscaping required for the temporary ice rink structure as there are existing pathway areas currently in place for day visitors to the house. Additional temporary flooring will be laid in all public areas around the rink to protect the grass and provide a safe non-slip surface for visitors. The need for ground repair should not be necessary and the house has assessed that the grass can easily be re-seeded and returned to its previous state once the rink is dismantled. The ice rink will have an underlay of plastic sheeting and sit on a raised structure platform and will not come into direct contact with the court surface.

### **Appearance**

The site will be built to the highest standards using internationally accredited ice rink suppliers Satellite Ice, who supplied and built the Canary Wharf ice rink among many others. The marquee structure will be in the form of an apex shape at the top and the walls for the structure will be white and clear PVC.

The temporary ice rink will be constructed from an aluminium frame and be white in appearance on the surface with white/clear safety barriers surrounding the edges. The barriers will be embedded in the ice and not be in contact with the grass surface.

The equipment compound will be enclosed in a white coloured wooden panelled acoustic enclosure, approximately 2.44m high.

The food/drink concessions will be housed in heavy duty gazebos in a royal blue colour.

### **Access and Egress**

The main arrival and exit point for customers will be through the Strawberry Hill House car park gates and via the main entrance to the grounds. This route consists of paved pathway with safety lighting already in place. Access to the rink area will then be via temporary flooring and additional safety lighting.

All customers will be encouraged to take public transport whenever possible to minimise environmental impact and reduce parking congestion. The R68 and 33 buses offer a regular service and there are bus stops close to the entrance to Strawberry Hill House.

Strawberry Hill railway station is a close 5 minute walk from Strawberry Hill House.

Local transport links and national rail and bus route details will be advertised on the Rink website.

Coaches will be limited in size for school and community group visits and will be directed to the Strawberry Hill House car park for drop off/pick up.

The Strawberry Hill House car park will be dedicated to the ice rink and provides parking for 27 cars and an additional 2 disabled parking bays .

### **Disabled Access**

The rink and marquees will be fully accessible for disabled guests with a ramp providing access to the skate exchange from the temporary floor. Wheelchair users can be pushed around the rink by a competent strong skater or ice marshal.

Disabled toilets are located in the visitor centre adjacent to the skate exchange next to the car park. There are additional toilet facilities, including disabled facilities, at Strawberry Hill House.

### **Emergency access**

Emergency vehicle access and exit will be via the gate from the car park. Strict emergency procedures will be adhered to when emergency vehicles are brought on site and will be managed by the ice rink duty manager.

### **Waste**

All general rubbish will be bagged at the ice rink and glass and cardboard rubbish will be separated at the food/drink concessions and taken to the nearby recycling facilities in the adjacent car park.

The ice rink duty manger will ensure that all litter is picked up from the rink on a daily basis.

General waste and recycling bins are located at the car park and refuse will be collected by Strawberry Hill House's contractors.

First aid waste will be stored in the secure first aid room until removed from site by specialist disposal contractors.

### **Tree protection**

The trees around the site are under no danger from the ice rink structure and the rink will not be sited close to or under any trees.

The following safeguards will be put in place:

- Adequate briefing of all plant operators and drivers of high sided vehicles.
- Supervision of all workers on site by well briefed and competent managers.
- Protection of trees and ground physical damage by plant, equipment and vehicles through adequate barriers, track way and signage.
- Prevention of pollution by use of well maintained equipment, bunding and drip trays.
- Limitation of compaction around tree roots by ensuring vehicles and plant do not drive close to trees.
- Removal of damage by hot exhaust gases from plant and equipment by sitting away from under trees.

Lorries delivering rink equipment/materials will park in the car park and be unloaded using a forklift truck; the equipment/materials will then be transported onto the site by hand cart. The equipment enclosure for the chillers and generator is located close to the car park gate so that the equipment can be delivered without necessitating vehicles accessing the grounds. The fuel delivery truck will park at the car park gate and a hose will be run out to the bunded fuel tank, ensuring that there will be no vehicle movements onto the grounds.

### **Sound control**

All music played at the event is low level amplified music. It is kept at a low level and used to help create the Christmas feel of the event. The music played through the event will be seasonal. All speakers are focussed inwards towards the event.

The chillers and generators used are 'superhush'. Sound levels are between 48-55 Dba at 16m. The plant will be housed within an acoustic enclosure to further reduce noise and an acoustic survey and report has been undertaken.

We will aim to mitigate the environmental impact from the cumulative noise generated by both the mechanical services equipment and PA system, when measured 1 metre in front of the facade of the nearest noise-sensitive receiver, during the operational periods of the Ice Rink. To do this, we will seek to achieve the limiting noise level stipulated by the Environmental Health Directorate of the LBRuT as assessed by our Acoustic Consultant.

Should the cumulative noise impact of both the mechanical services equipment and PA system be assessed to exceed the limiting noise level stipulated by LBRuT, then we will put into place a scheme of noise mitigation which shall comprise a suitably constructed Acoustic Enclosure. The acoustic specification shall be produced by our Acoustic Consultant and the noise break-out performance of which shall be suitable to minimise the cumulative noise generated to within the agreed limiting noise level when measured at the nearest noise-sensitive receiver.

### **Lighting**

The rink is illuminated by small floodlights and festoon lighting. All floodlights will be fitted with horizontal cut offs and louvres if necessary to prevent light pollution from the event. Floodlights will be set at a downward angle to prevent unnecessary impact on the surrounding area. Festoon lighting will use blue LED lights to provide a softer and less intrusive impact. Pathway lighting on the access and egress routes are also adequate for Health and Safety but restricted so as not to intrude on to neighbouring areas while still providing a sympathetic and festive appearance.