

Elrow Festival 2022 (Parsloes Park)
Appendix R
Draft Crowd Management Plan V1.2 - For consultation

Elrow Festival 2022

Parsloes Park,
Gale Street,
Dagenham,
London

Appendix R Crowd Management Plan



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Draft Version 1.2 - For Consultation
Crowd Management Plan
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Event Overview

Slammin' Events are working in conjunction with Elrow UK LIMITED, and A Man About A Dog Ltd. (AMAAD) to produce "Elrow Town London". This event is to be held on Saturday 20th August 2022.

This event has been successfully held at Queen Elizabeth Olympic Park in 2017 and 2018, and Trent Park in 2019. It could not be held in 2020 due to COVID -19, and the 2021 event was lost due to ground conditions beyond the control of the organisers. Many of the senior teams of all three companies have been involved since 2017.

This crowd management plan has relied on extensive knowledge and experience of the application of the Health and Safety at Work act 1974, The Event Safety Guide (HSG195), the Regulatory Reform (Fire Safety) Order 2005 and the various relevant HSE guidelines on outdoor events.

This event will take place on Saturday 20th August 2022.

The event will open at 11:00 and close at 22:30 with the site being clear by 2300.

The event site (as shown on the plan Appendix A) consists of a Lahyer outdoor stage and Big Top tents containing DJ led music. Bars will be inside marquee structures

There will be an after show party at **tbc** location. This event is separate from the licensed event at Parsloes Park operated within that venue's own premises licence. Shuttle buses will be provided for after show ticket holders. These will park Porters Avenue from about 2200. Their movement within any road closure will be overseen by the Traffic Management team.

This will mean the after show audience will not be part of the egress capacity using the Underground.

Capacity

The capacity for the event (subject to licence) is 22,999. The event will have upto 999 staff and artists (as part of the two capacity levels), resulting in a maximum public audience of 22,000.

Tickets will be produced with a unique QR code, these codes will be scanned on entry.

Safe Capacities have been calculated for the event site and its venues, ensuring that there are procedures in place to move people dynamically around the site should a particular tent reach its capacity. Crowd density around the main stage will also be monitored and if necessary measures to reduce that will be implemented.

Ticket sales will not to exceed the safe capacity.

Audience Profile

Based on previous years the average age of ticket holders for ELROW are between 20-35 years of age, with a 60% male to 40% female audience ratio.

The majority of ticket holders will be commuting from the central London area with some travelling in from the suburbs using the rail network. Post code analysis will be undertaken to better inform this travel picture. There will be some roll over ticket data to take into account from 2021.

Event Timings

Activity	Saturday 20 August
Production Gate opens	07:00
ELT Site walk	09:30
ELT 1st Meeting	10:00
Published Opening Time	12:00
Last Entry	19:00
Stage 3 Close	21:30
Stage 1 (Main Stage) Close	22:00
All Bars Close	22:10
All Food Close	22:15
Stage 2 Close	22:30
VIP Close	22:30
All Music Off	22:30
Site within steel shield to be swept clear by	23:00

Main stage 1 will close 30 minutes before the last entertainment option on Saturday to encourage staggered departure.

Control measures will be in place to prevent the audience from simply moving to a later venue, but instead to then depart. These times may be subject to dynamic changes to manage customer egress flow rates see Appendix R : Pedestrian Egress Plan. The closure or retention of smaller venues such as the Arch Bar and the Church can be dynamically assessed to assist in promoting or slowing egress.

Site Evaluation

The event site utilises a grassed area of Parsloes Park, Gale Street, Dagenham, London, RM9 5PU. The area of the park used consists of grassed areas, pathways, and a large tarmac carriageway. There are entrances on each side that can be used, with a number of trees and shrubs which need to be protected from site traffic delivering onto site.

The event site perimeter will be secured by 3.4m high Steel Shield fencing with. Gates will be secured with metal pins which will be driven into the ground. Cantilever overhangs will be installed where any part of the fencing is considered vulnerable to potential 'fence jumping'. The event will employ a contractor to provide a stat pack and CAD to show any utilities that may lie underneath the surface.

The event itself will be fenced-in and ticketed leaving the vast majority of the park space open for public use throughout. The football pitch access road/public parking off Terrace Walk within Parsloes Park will need to close from Wednesday 10th August. There will be advanced signage and publication of this closure. This restriction will be agreed by LBBD. An agreement will be made with the football pitch contractors to allow access where possible on non-event days.

All existing park entrances will remain open to the public, except D and P6 on Gale Street on event days to control ingress and egress of the audience. The visitors for the event using Becontree underground enter the park's boundary through park gate D, then will be directed to the main search entrance (Gate C).

Those using the PUDO will cross the park from the east around the north of the event site, whilst local walking customers will be able to enter the park from a number of access points. (See Site Plan Appendix A).

The search area will consist of a covered marquee with search lanes, SIA security, search tables, amnesty bins (each of them locked) and CCTV.

Vehicular access for the build will be via Gate A (predominantly) or P5 which are shown on the plan. Vehicles, such as traders, will be entering Gate A between Friday 19th and Saturday 20st August will be subject to a search inside the vehicle before entry.

Emergency vehicle access on tarmac can be: via Gate A off Terrace walk, P5 off Ivy Walk and P6 off Gale Street (smaller vehicles only) These will be staffed with SIA security.

Inside the event site (as shown on Appendix A) there will be the production areas, bar marquees, catering units, a VIP area and an artist stretch tent. The Slammin' Production backstage area will be just inside Gate A. All tent positions, catering units, tower lights, production cabins, exits are marked on the plan.

The ELT Control Room and meeting room will be located in the Sydney Russell school on the northern edge of the Park.

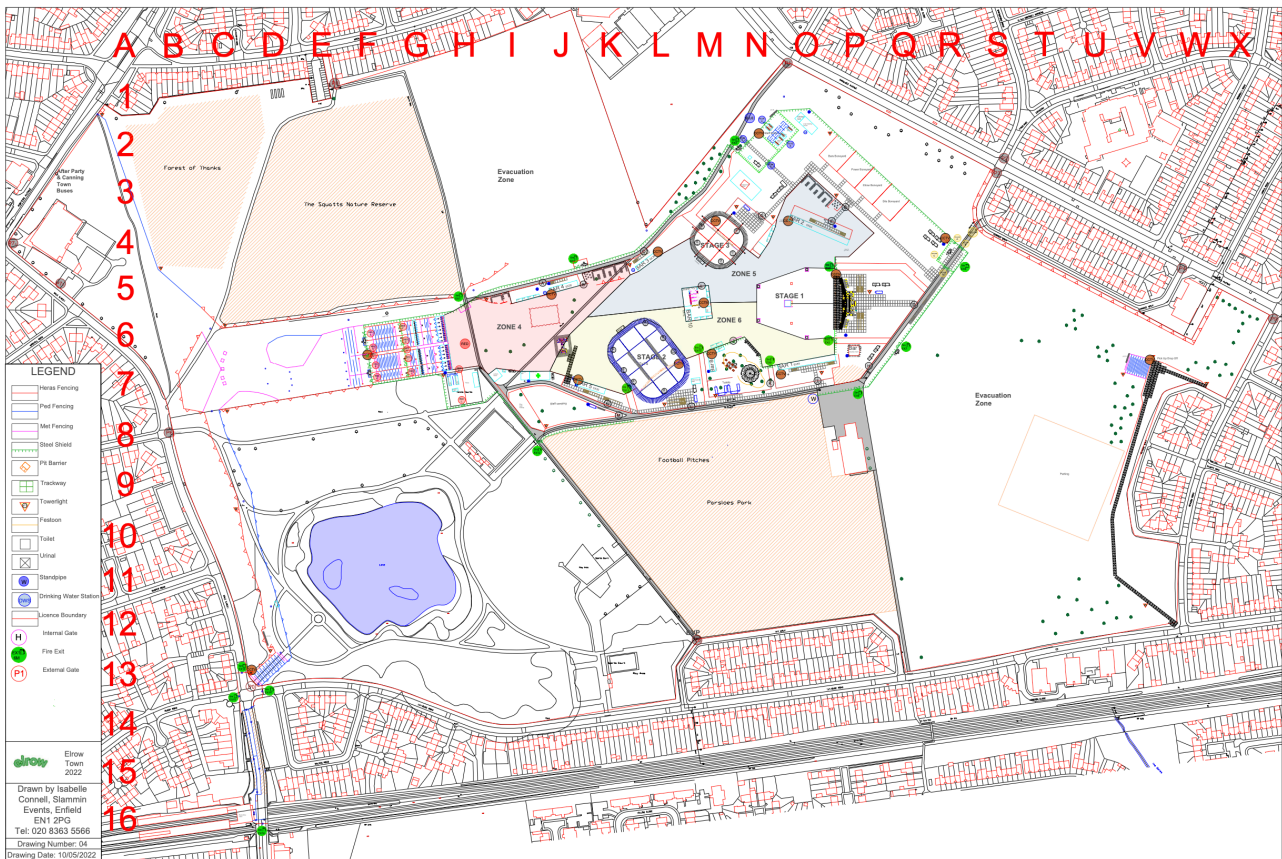
All exit and emergency signage will be clear, visible and lit at night. Safety signs will comply with the Health and Safety (Safety Signs and Signals Regulations) Regulations 1996.

All exits in the big top Marquees will be signed and illuminated, signs will have battery backup in case of power failure

All entrances in use during the live event will incorporate the use of 'air-locks' which are double gates with a managed opening that ensures only one set of gates is open at any time to prevent gate 'rushing'. These are Gates A,B, and C.

The main public entrance through gate C will be subject to greater restrictions as shown on the Site Plan.

The site plan will be constantly revised during the planning phase with a final plan being produced in the days leading up to the event.

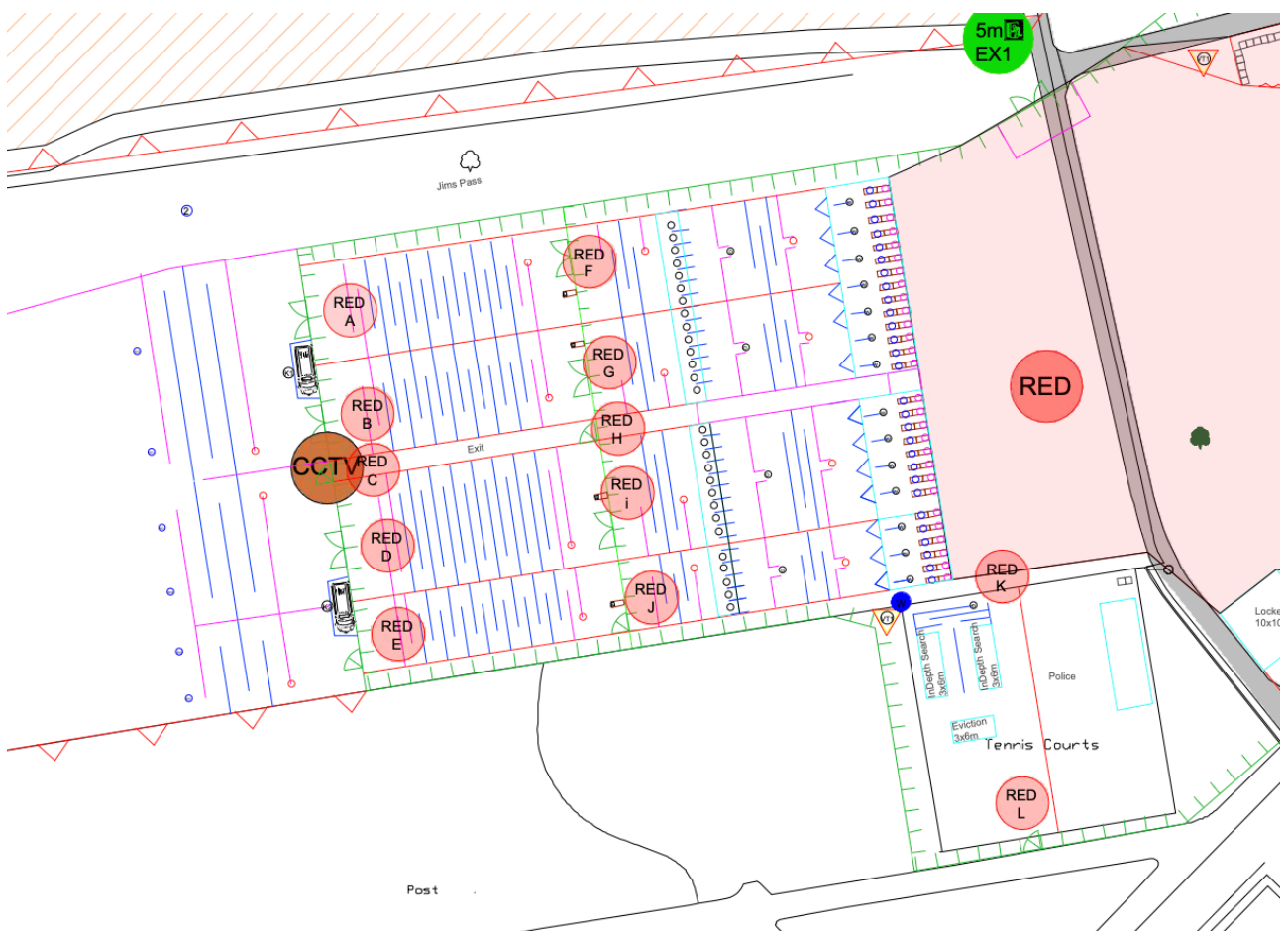


Site Layout

The event site (as shown on the site plan) will include a main stage, big top structure, stretch tent structure, bar-marquees and catering units. The production backstage area, all tent positions, catering units, tower lights, production cabins, SAG office and emergency exits are marked on the plan.

The site will be able to comfortably hold in excess of 22,000 persons, with large open areas between stages and dance tents.

The search area will consist of a covered marquee with search lanes, SIA security, search tables, amnesty bins (each of them locked) and CCTV.



Arrival

Please see the Traffic Management Plan provided by EP Services and the below arrival profile.

The majority of ticket holders are expected to use the underground and in particular the service to London via the Becontree Station, with additional arrivals from Dagenham Heathway.

The increase in travellers using the tube will have an impact on regular customers travelling in either direction between 12:00 and 16:00. TFL will provide advance information to customers to reduce impact on travel and will provide additional staff to support as required.

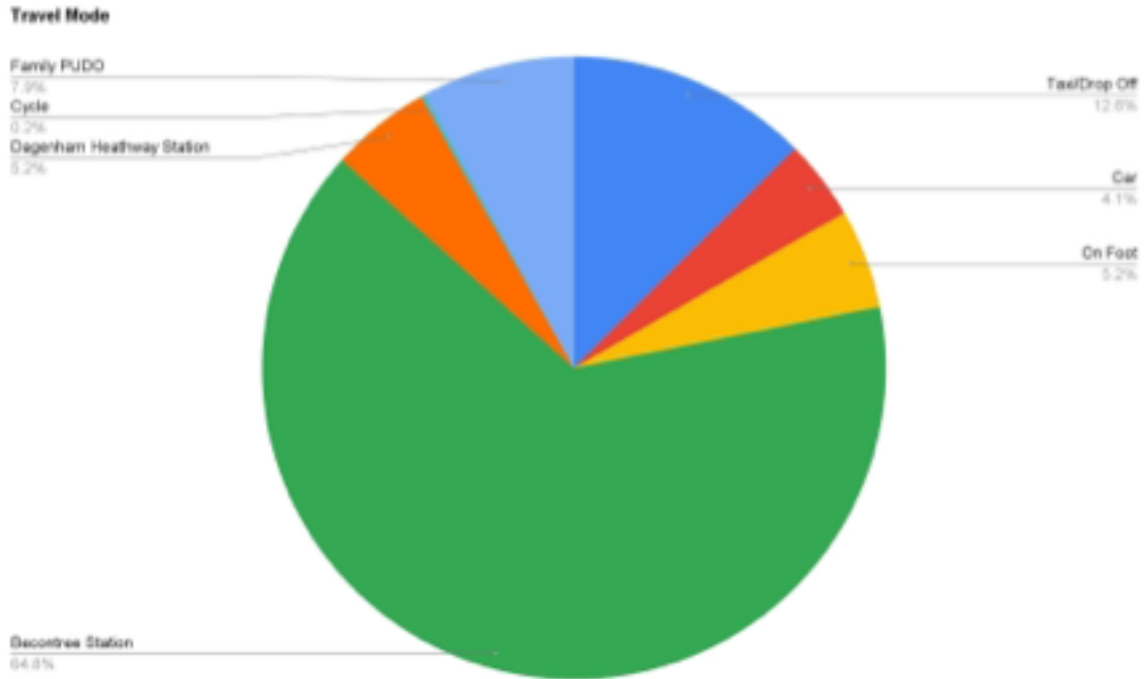
A Pick Up and Drop Off location has been identified and is accessible onto the park via Meadow Walk. Traffic will be fed to and from this area by creating a one-way system from using Spurling road and Ivyhouse Road as inbound routes with egress using Meadow Road. This will create managed crossing points at both location PAP2 and the junction of Spurling Road and Parsloes Avenue.

Station Management plans are included in the Egress Plan which forms part of the EMP.



(EP Services TMP)

Based on previous events at the venue EP Services have made the following planning assumptions to predict the likely demand on specific travel modes for the day of the event, taking into account the the venue geography and the audience profile.



(EP Services TMP)

Last Mile

As described above, it is anticipated the majority of ticket holders will travel utilising the Underground, arriving at Beacontree Station with additional travellers utilising Dagenham Heathway.

The walking route from Beacontree Station to Parsloes Park is a short distance along Gale Street. Due to the density of pedestrian movement Gale Street will be closed for the duration of this event by EP Services (See TMP by EP Services).

The walking route from Dagenham Heath to Parsloes Park is slightly longer walk along Parsloes Lane and into Parsloes Park.

Last mile Pedestrian Management Plan

All staff will receive a pre-event briefing that is show and role specific. As part of this all staff working external to the site will receive the below information, this will be shared in advance to all relevant contractors. Staff working externally will be in uniform and clearly identifiable.

- Location and routes to both stations, including which tube line they operate on.
- How to get to the event entrance and the pedestrian route to the park
- Location and directions to the Carpark, Pudo and coach point.
- Location of external toilets
- Key event information
 - Opening, last entry and closing times
 - Prohibited Items
 -

Included in the briefing will be to encourage the audience to respect the event neighbours and to put litter in the external bins provided

Anti Social Behaviour - Staff will be positioned externally at key locations on the routes to the event. Their role will be twofold, firstly to direct customers to and from the event along the designated routes and secondly to be a deterrent for antisocial behaviour.

Staff will be clearly visible in uniform and hi vis clothing, and will have direct communication to the event via radio communication. They will be able to call through additional security, waste management or other event resources. Staff resources are listed on the security schedule included as an Appendix within the EMSP.

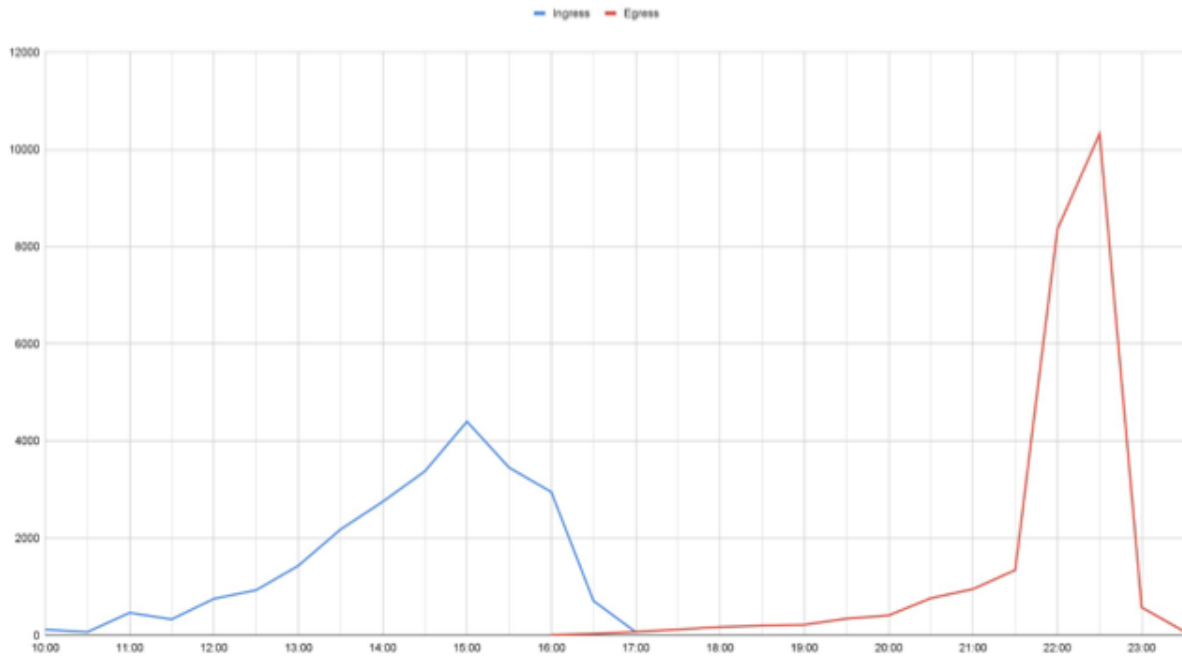
On entering the park pedestrians will be directed to their relevant entrance by signage supported by stewards and SIA security staff.

As customers approach the venue, clear signage is displayed at the search area listing which items, including nitrous oxide, are not permitted in the event site.

Access to the venue will be with a ticket purchased in advance (if the event is not sold out in advance, a ticket booth will be suitably located nearby).

Rates of arrival as predicted by EP Services are shown below.

Expected Arrival and Departure Pattern

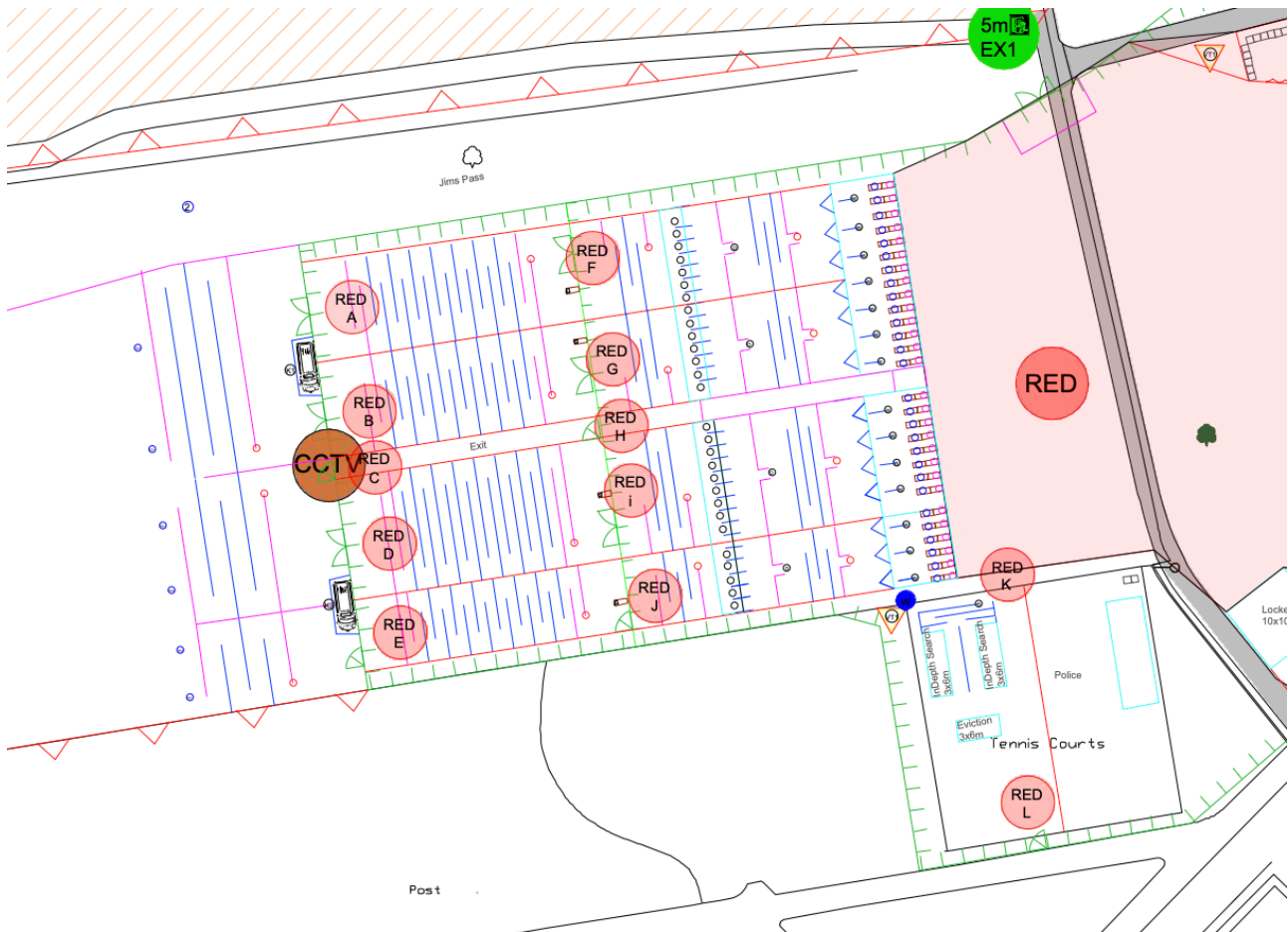


(EP Services TMP)

Ingress

The event will sell a maximum of 22,000 tickets. For event safety purposes, all ingress calculations are based on this figure.

Access into the arena for GA ticket holders will be via two 25m search tent with a minimum of 14 search lanes in each creating 28 lanes. Disney type queues will be created using pedestrian and heras fencing to enable customers to safely queue before entering the search tents



The search area will consist of a covered marquee with search lanes, SIA security, search tables, amnesty bins (each of them locked) and CCTV. Searching will be conducted by competed and experienced SIA qualified staff. Search team managers will monitor queue times and advise customers to go to the next available search lane.

SIA registered Door Supervisors will also be used on the gates, search lanes, bars and as 'Rapid Response' Teams. They will all have their badge accreditation on display.

Entrance times are from 12:00 to 19:00.

All persons entering will be searched. The searching procedure is based on the Elrow audience demographic. In normal circumstances, each ingress lane will be able process 6 persons per minute. 28 ingress lanes can process 168 persons per minute or 10,080 persons in one hour.

In the highly unusual event that all 22,000 ticket holders were to arrive at the same time the 28 lanes could service all 22,000 GA ticket holders in 2 hours 11 minutes ($22,000 / 10,080 = 2.18$). However, the expected arrival model as shown above indicates arrivals are expected to be spread throughout this time with the peak arrival period expected to be around 16:00.

The event will have a dedicated Incident Response Manager to attend and manage any incident in or around the site. The Incident Response Manager will assume the role of Crowd Safety Manager as required

A stewarding schedule has been developed, see Appendix C.

Security Managers may reallocate resources and staff at peak / critical times to the area of greatest need / greatest threat as required, to manage the safety of the public and to ensure the Event Organisers are able to achieve their Licensing Objectives.

Security managers will support the Event Organiser by deterring, disrupting and detecting the possession and supply of illegal drugs through effective searching, monitoring and engagement with customers (see Search Policy Appendix O).

Due to the current threat level for events across the UK, and in line with current NACTSO advice, there will be increased levels of searching and security for persons entering the venue. All persons attending will be advised that this could lead to delays when entering the venue and to avoid bringing bags where possible. Bags bigger in size than A4 will not be permitted and this will be well publicised in advance.

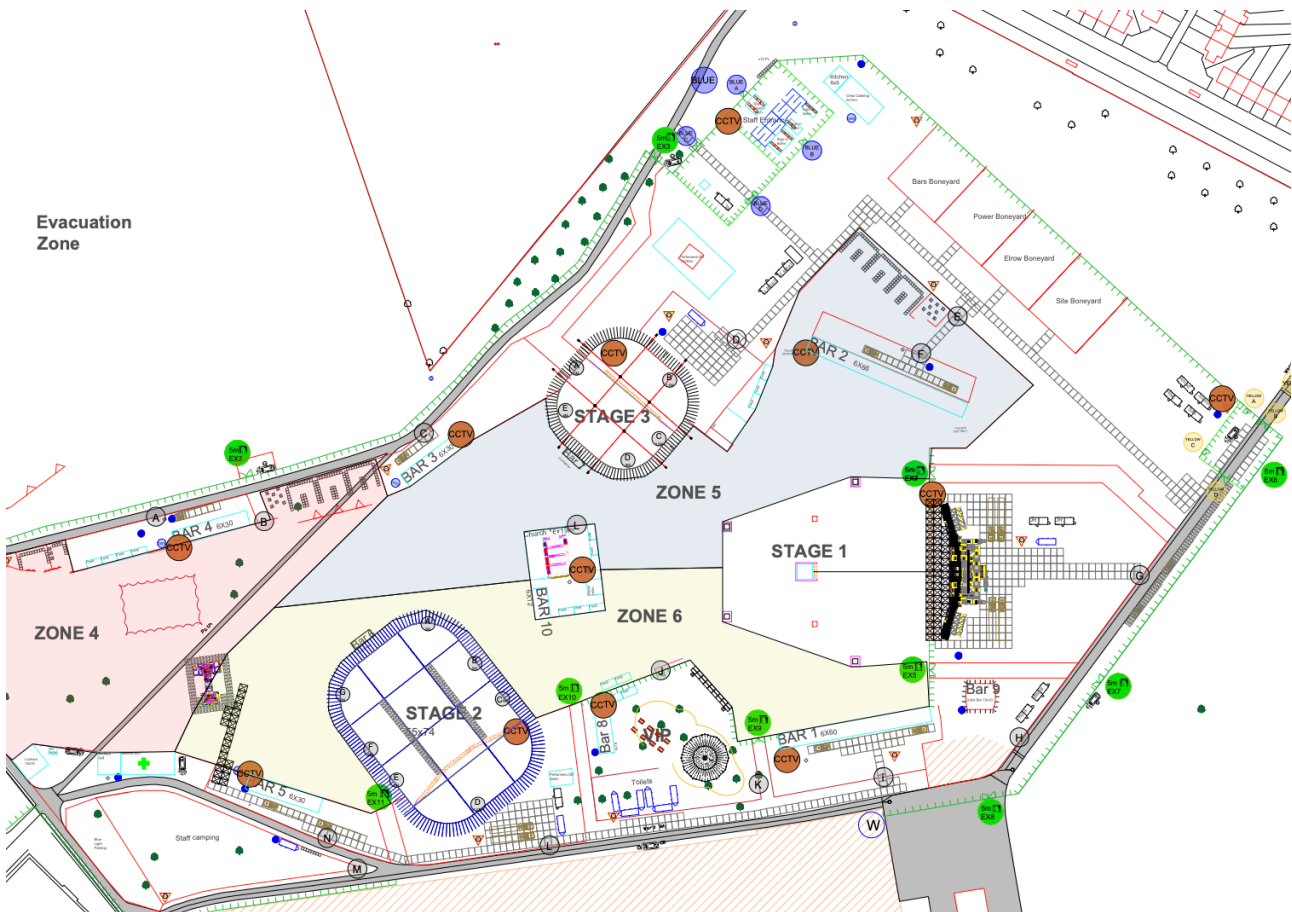
See also Appendix O - Searching Policy.

Circulation

The festival is set out over a large area with wide open spaces. This is a large grassed area that is fenced in by Steel Shield. The ground is largely covered in grass but there are some tarmac pathways within the event site.

The space available for public circulation covers an area approximately 300 meters x 200 meters therefore providing plenty of space for 23,000 to circulate in comfort.

The open spaces and venue spaces are shown below



Circulation - Crowd Management

All music and entertainment areas will have dedicated SIA stewards who are experienced and competent in monitoring and managing crowds. These staff will manage ingress and monitor capacity levels (as shown below).

SIA registered Door Supervisors will also be used on the gates, search lanes, bars and as 'Rapid Response' Teams. They will all have their badge accreditation on display.

The event will have a dedicated Incident Response Manager to attend and manage any incident in or around the site. The Incident Response Managers will assume the role of Crowd Safety Manager as required

Venue capacities are shown below. In the event a venue or area reaches 80% of its capacity consideration will be given to implementing crowd management measures to control access and ensure no overcrowding. Such an assessment will include consideration of the act or performer currently on stage or about to go on stage, and the likely further attendance within that arena or venue. If it is considered there is likely to be a further influx of visitors into that venue consideration will be given to implementing measures including controlling access / one in one out using staff and barriers, and, if necessary preventing any further access.

Where such measures are implemented the Incident Response Manager / Crowd Safety Manager will attend and review the density of the venue and the likely further numbers expected to attend. Any crowd safety management measures implemented will be reviewed and risk assessed accordingly.

All exit and emergency signage will be clear, visible and lit at night. Safety signs will comply with the Health and Safety Regulations 1996.

All exits in the big top Structures will be signed and illuminated.

The site plan will be constantly revised during the planning phase with a final plan being produced in the days leading up to the event.

Music Venue Capacity Levels (See Appendix F - Fire Risk Assessment)

Main Stage

The main stage has an open frontage with a Mojo style crowd safety barrier between the viewing area and the front of the stage. The Mojo barrier is 50m in length.

The viewing area has wide view lines to either side and an extensive viewing area leading into the main arena. The main viewing area for this stage is 80m x 100m (8,000m²), although there is considerably more space available as this area is not confined with free movement being enabled from all sides.

The area will be used for viewing live music and dancing. Based on the audience demographic, the activities being conducted, the risk assessments for the venue and the nature of the event a crowd density for this venue of 2 persons per metre has been allocated (0.5m space per person).

Therefore, this area has a capacity of 16,000 persons (8,000m² x 2ppm).

Monitoring of this area will be conducted visually by security staff and the Crowd Safety Manager to consider density, movement and crowd dynamics.

SIA accredited and pit crew trained staff will be positioned at the Mojo barrier to monitor crowd density, dynamics and movement. Pit crews will have direct communication with the stage manager and control room to enable the activation of any show stop.

The Crowd Safety Manager will regularly observe density levels at the front of stage areas and assess crowd dynamics, whilst liaising regularly with the pit crew supervisor.

The main stage area is considered a low risk in terms of evacuation as it is open sided. However, there are 5m emergency exit gates either side of the stage that can be utilised in the event of an emergency.

However, with this being an open sided area, in the event of an incident by the main stage, the audience are likely to be relocated to other areas within the arena. In the event of a full evacuation being required the audience will be directed to the relevant emergency exit gates as shown in the plan.

Big Top Stage 2 - 54m X 74m

This structure is rectangular and constructed of fire retardant PVC material connected to king poles.

There are six 6m exits and a single 1.5m exit.

The building will be used for dancing. People dancing inside are considered as being able-bodied.

Risk assessment has demonstrated that the risks in the building are the stage, FOH, and decor in the ceiling. The rest of the building is an empty sterile area with no combustible materials.

Therefore, the fire risk assessment requires a 2.5 minute evacuation time.

The Big Top will be stewarded by SIA trained security at all times when members of the public are in the venue. All supervisors, fire and safety staff have radio comms to event control.

There will be fire safety officers on site who will carry out regular inspections of the venue during performances. There will be a Crowd Safety Manager walking round all the venues.

Based on the audience demographic, the activities being conducted, the risk assessments for the venue and the nature of the event a crowd density for this venue of 2 persons per metre has been allocated (0.5m space per person).

With all of these factors taken into consideration the venue is considered to be a low risk venue with regard to full evacuation. However, in the unlikely event that this would be required, below are the calculations have been applied:

Total floor space	4,125m ²
Available Floor Space (less 25% stage, pit FOH)	3,094m ²
Numbers Permitted @ 2ppm	6,188 persons
Exit A	6.0m
Exit B	6.0m
Exit C	6.0m
Exit D	1.5m
Exit E	6.0m
Exit F	6.0m
Exit G	6.0m
TOTAL	37.5m
TOTAL Available (less largest exit)	31.5m

Working on the assumption that the largest exit is blocked, the remaining exits need to exit 80 people per minute with the expectation for everyone to exit the tent within 2.5 minutes.

Exit A	Disregard as the largest exit
Exit B	6.0m x 80ppm x 2.5 mins = 1200 persons
Exit C	6.0m x 80ppm x 2.5 mins = 1200 persons
Exit D	1.5m x 80 ppm x 2.5 mins = 300 persons
Exit E	6.0m x 80ppm x 2.5 mins = 1200 persons
Exit F	6.0m x 80ppm x 2.5 mins = 1200 persons
Exit G	6.0m x 80ppm x 2.5 mins = 1200 persons

The remaining exits are capable of exiting 6,300 persons

Lowest figure is floor capacity = 6,188. Therefore:

Venue capacity is dictated by floor space = 6,188 persons

Big Top Stage 3 - 45m x 45m

This structure is square shaped and constructed of fire retardant PVC material connected to king poles. The tent has five exits. Four exits at 6m, one exit at 1.5m. All the exits are signed "fire exit". The building will be used for dancing hence the 0.5sq metre per person density factor is used.

The building will be used for dancing. People dancing inside are considered as being able-bodied. Risk assessment has demonstrated that the risks in the building are the stage, FOH, and decor in the ceiling. The rest of the building is an empty sterile area with no combustible materials.

Therefore, the fire risk assessment requires a 2.5 minute evacuation time.

The Big Top will be stewarded by SIA trained security at all times when members of the public are in the venue. All supervisors, fire and safety staff have radio comms to event control.

There will be fire safety officers on site who will carry out regular inspections of the venue during performances. There will be a Crowd Safety Manager walking round all the venues.

Based on the audience demographic, the activities being conducted, the risk assessments for the venue and the nature of the event a crowd density for this venue of 2 persons per metre has been allocated (0.5m space per person).

With all of these factors taken into consideration the venue is considered to be a low risk venue with regard to full evacuation. However, in the unlikely event that this would be required, below are the calculations have been applied:

Total floor space	2,025m ²
Available Floor Space (less 25% stage, pit and FOH)	1,519m ²
Numbers Permitted @ 0.5m ² per person is	3,038 persons
Exit A	6.0m
Exit B	1.5m
Exit C	6.0m
Exit D	6.0m
Exit E	6.0m
Total	25.5m
Total available (less largest exit)	19.5m

Working on the assumption that the main exit is blocked, the remaining exits need to exit 80 people per minute with the expectation for everyone to exit the tent within 2.5 minutes.

Exit A	Disregard as the largest exit
Exit B	$1.5\text{m} \times 80\text{ppm} \times 2.5 \text{ mins} = 300 \text{ persons}$
Exit C	$6.0\text{m} \times 80\text{ppm} \times 2.5 \text{ mins} = 1200 \text{ persons}$
Exit D	$6.0\text{m} \times 80\text{ppm} \times 2.5 \text{ mins} = 1200 \text{ persons}$
Exit E	$6.0\text{m} \times 80\text{ppm} \times 2.5 \text{ mins} = 1200 \text{ persons}$

The remaining exits are capable of exiting 3,900 persons.

Lowest figure is floor capacity = 3,038. Therefore:

Venue capacity dictated by floor capacity 3.038 persons

Stretch Tent 21.5 X 10.5

This structure is rectangular in shape and constructed of fire retardant PVC material connected to metal uprights. This structure will be used for seating and picnic style tables will be arranged underneath the canvas. This structure is completely open. Furniture will be distributed to maintain walkways throughout the structure and not obstruct routes out.

The tent will be stewarded by SIA trained security patrolling Zone A where the stretch tent is sited.

With all of these factors taken into consideration the venue is considered to be very low risk venue with regard to full evacuation. However, in the unlikely event that this would be required, below are the calculations:

Total Floor Space	225.75.m2
Available Floor space - 50% seating	113 m2
Numbers permitted	226 persons

Evacuation is based on a 2.5-minute period

Main Entrance	Exit A	21.5m
Emergency	Exit B	21.5m
Emergency	Exit C	10.5m
Rear	Exit D	10.5m

Exit Total Available (less the largest exit) 42.5m

Capacity dictated by floorspace 226 persons

Total Venue Capacities

Main Stage	16,000
Stage 2	6,188
Stage 3	3,038
Stretch Tent	288
Total	25,515
Total ticket sales =	22,000

The main venues have more than sufficient capacity to comfortably hold 22,000. However, this venue has very large open expanses that hold food vendors, bars and other attractions.

Therefore, this venue can comfortably hold 22,000 persons

Egress Plan

Once the venue has reached capacity, or by 1900 (whichever is first), the search lanes will be closed down and the Disney queue barriers removed to create 20 meters egress width for the end of the event. This exit will however be staffed and barriered to prevent unauthorised access until required as an exit.

When used as an exit - a row of stewards will be positioned ahead of the exit to prevent any unauthorised access.

Assuming a flow rate of 80 persons per minute, and assuming all 22,000 people were to egress at the same time through the main entrance, then 2 meters of exit width would enable an egress flow rate of 1,600 per minute.

Therefore, an audience of 22,000 could egress the venue in 13 minutes 45 seconds ($22,000 / 1,600 = 13.75$ minutes).

Based on the demographic of our audience and the layout of this site, we would apply a flow rate for normal egress purposes of 66 persons per metre per minute. This provides a flow rate of 1,320 people per minute (20×66).

Therefore assuming all 22,00 ticket holders were leaving at the same time, 22,000 people would be able to exit comfortably in 16 minutes 39 minutes ($22,000 / 1,320 = 16.66$)

However, with a drop off of 5% for non attendance (1,100) and allowing for 10% of the audience to leave before the end of the event (2,200) the maximum egress at the end of the night would more likely be 18,700

18,700 people would be able to egress the venue in 11 minutes 41 seconds ($18,700 / 1,600 = 11.68$)

However, the above calculation is based on a hard event closure where everyone leaves at the same time. This event has a phased event closure of stages, bars and music venues before the end of the show.

Venue closure times are as follows:

Stage 3 Close	21:30
Stage 1 (Main Stage) Close	22:00
All Bars Close	22:10
All Food Close	22:15
Stage 2 Close	22:30
VIP Close	22:30
All Music Off	22:30
Site within steel shield to be swept clear by	23:00

A phased closure plan will ensure a more even spread of egress with less pressures on the transport infrastructure, reducing the numbers approaching Beacontree and Dagenham Heath Stations and will greatly reduce any impact on the local community

As each venue closes, customers will be directed towards the exit. Customers will not be able to migrate to other venues once their venue has closed. Stewards will ensure no migration into other areas.

Therefore, whilst the egress period will be over a longer period, there will never be the opportunity for all ticket holders to leave at the same time.

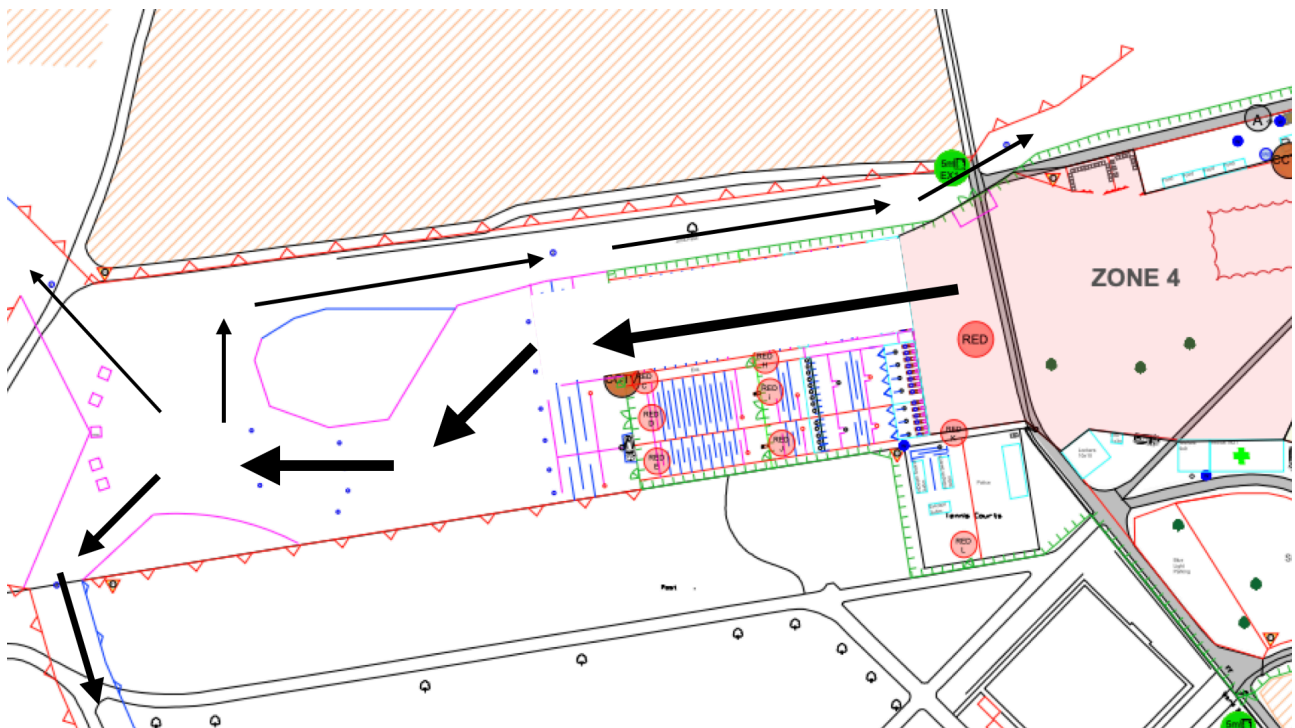
To aid the movement of people walking to and from Dagenham Heath and those walking to the east of the site, a five metre wide corridor will be created beside the northern edge of the steelshield running along the length of the hedgerow. This will reduce the necessity for people to walk along the outer perimeter of Parsloes Park.

To avoid those using this walkway making a sharp turn on leaving the venue, and to ensure an even flow of movement, an island will be created using barriers outside the exit that will enable pedestrians to move with ease as shown below. This walkway will be illuminated and staffed by stewards.

However it is anticipated the majority of customers are likely to walk the shorter route to Beacontree Station in the direction of the south of the park.

On leaving the arena customers heading towards the Beacontree Station, Dagenham Heath and the PUDO / Taxi pick-up will be directed by signage, including dot matrix signs, and supported by stewards providing information as appropriate. This area will be illuminated with tower lights.

The soft curve of the island will reduce congestion and aid crowd movement as shown below:



With the majority of customers travelling via Beacontree Station there is likely to be a period where there will be congestion in and around the station.

In order to reduce this, and to ensure TFL services are not disrupted, a crowd management plan has been agreed with the organisers and TFL, British Transport Police and the Metropolitan Police to ensure the station is at no point overwhelmed.

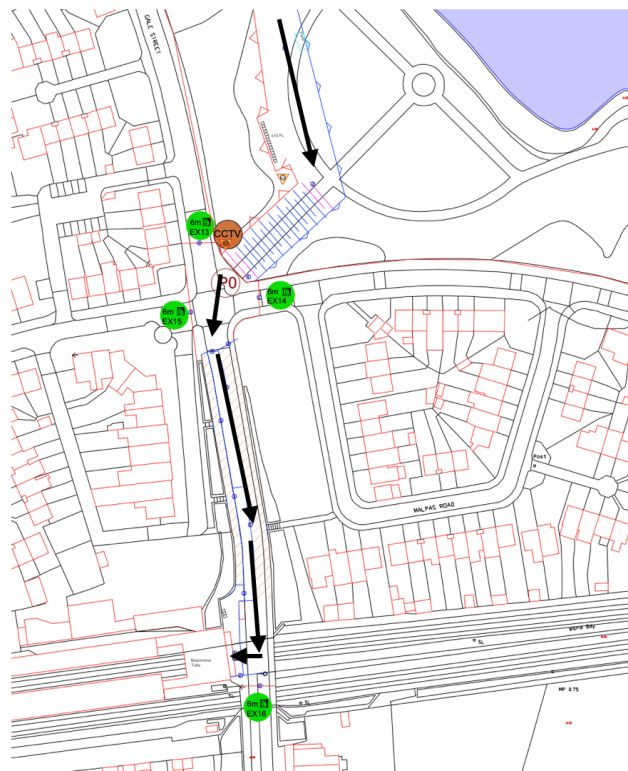
Customers leaving the park towards Beacontree Station will be directed to the west of the pond. As they approach the exit gate they will enter a disney style queue sytem managed by SIA staff and stewards.

During quiet period customers will be able to walk through the Disney queue unhindered, enter Gale Street and walk towards the station.

A crowd safety manager / security manager will be working in partnership with the TFL station manager to monitor ingress into the station. When the station manager indicates there are more people approaching than the next train will be able to service the crowd safety manager / security manager will halt customers outside the station.

A queuing system will be positioned outside the station using pedestrian barriers that will be managed by SIA staff and stewards. The TFL manager will indicate when they are ready for the next batch of customers to enter and join the next available train. TFL indicate that 750 passengers can join each train. To ensure no delay on loading each train the crowd safety manager will release customers of batches of 750 into the station.

To ensure Gale Street does not become overloaded when required the crowd safety manager will initiate control into Gale Street from Parsloes Park by utilising the Disney queuing system as shown in the diagram below



At peak time customers will be held in the Disney queue then fed in batches into Gale Street to coincide with batches being fed into the station. This 'lock gate' system will ensure neither the station or Gale Street will be overloaded at any time.

EP Services, working in conjunction with TFL, have modelled the egress flow rates against the tube time tables to ensure there is sufficient capacity for passenger numbers. In the event of significant service disruption EP Services have created a series of contingency options including the redirection of customers to other stations and the provision of coaches on standby.

Please see the Traffic Management Plan by EP Services for more details.

Emergency Egress

The event site has the following exits:

Main Entrance(A)	20.75m Red Gate
EX1	5m
EX2	5m
EX3	5m
Blue gate A	0.75m
Yellow gate A	0.75m
EX6	5m
EX7	5m
EX8	5m
EX12	5m

Therefore there is a total of 57.25 metres of available egress width. For the purposes of calculation the largest exit (main entrance 20.75m) has not been included. However, as it is possible that this entrance may still be operating as an entrance at the time of any emergency the second largest exit (5m) has also not been included. Therefore there is a minimum of 31.5m of available emergency egress width available at all times ($57.25 - 25.75 = 31.5$).

As this is a flat, well drained surface with an able audience, an evacuation flow rate of 80 persons per minute has been applied.

At 80 people per metre per minute 31.5 metres provides an emergency egress rate of 2,520 people per minute ($80 \times 31.5 = 2,520$)

For an open field setting the evacuation time should be up to 10 minutes.

Assuming all 22,000 ticket holders were on site as well as all 999 staff and visitors the total capacity would be 22,999. For emergency egress purposes the figure of 23,000 will be applied.

Therefore, 23,000 can evacuate the site in 9 minutes 8 seconds ($23,000 / 2,520 = 9.13$)

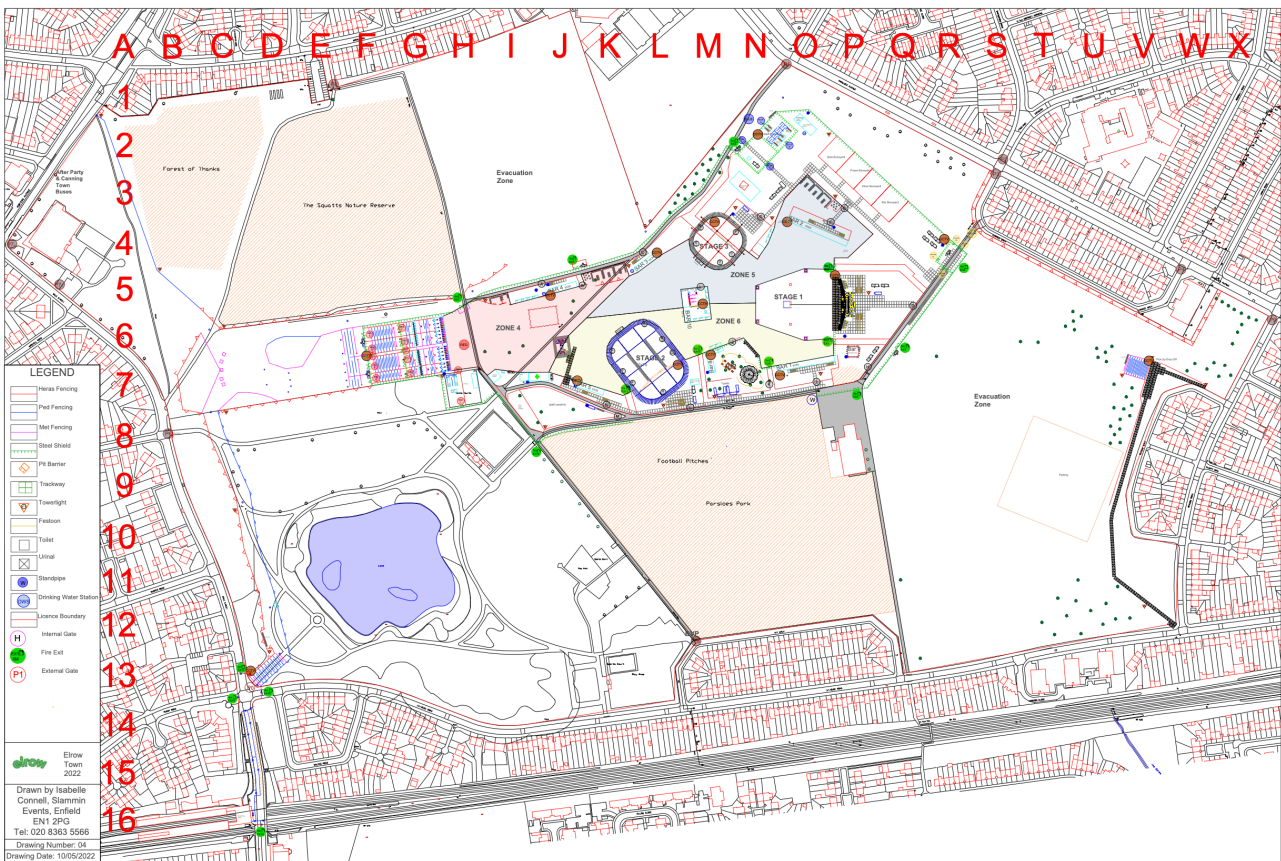
Partial Evacuation / Relocation

The total evacuation of the site is only one option for the Event Silver to consider in the event of an emergency.

Depending on the nature and location of any emergency and taking into consideration any activities that may be taking place on and off site, the Event Silver has a range of additional options include a partial evacuation of specific area or the temporary relocation of customers within the site.

The large open space within the venue provides a wide range of options in such circumstances.

Further, as shown in the image below, there are several large spaces outside the venue that could, if required, comfortably accommodate relocated people in the event of an emergency.



Security & Stewarding

A professional and accredited security and stewarding provider has been engaged to supply security and stewarding staff throughout the event. An extensive security and stewarding deployment will be in operation externally to the event site, to mitigate risks when the audience are migrating to and from the event site. These positions have been determined based upon assessment and location of risks to both the general public, motorists, property and event customers alike. This security team will be in position in advance of the event opening times and for a necessary period post event.

The external security and stewarding team will be in radio comms with event control back on site, maintaining situation reports with the Event Leadership Team (ELT) allow dynamic responses to situations that may arise.

Particular attention has been made to the positioning of security and stewarding teams around residential areas and other areas of potential interaction between the event customers and the general public.

Full details of the security deployments, roles and responsibilities will be outlined in the Security Plan