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Pontardawe Arts Centre Cinema Extension and Refurbishment Works

Construction Phase Environmental Management Plan



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1. Introduction

The project is for the construction of a new build 72 seat Cinema within the external yard adjacent to the existing Pontardawe Arts Centre building. In addition reconfiguration of internal areas is required to facilitate an improved visitor experience and improve secondary income for the Centre.

The Pontardawe Arts Centre is located on the junction of Herbert Street and Holly Street in a busy town centre location with numerous business and residential neighbours in close proximity.

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2. Construction Methods and Phasing

We have provided the following supporting information in our tender submission

- Question 1 Methodology and Logistics Plan
- Question 3 Programme

We envisage the following items of plant will be used during the project

- Mini-excavator
- HIAB
- Telehandler
- Crane (As required, 1-2 days only per time)

Plant will be secured within the compound when not in use and equipment stored within the storage unit.

During preconstruction we will further develop this Construction Environmental Management Plan along with the Site Specific Environmental Aspects and Impact Register.

3. Drainage Measures

See Section 7 Environmental Risks and Control Measures

4. General Site Management

A pavement licence will be required for erection of the site hoarding and scaffolding. Locked gated access will be in place for site security along with CCTV

We will install viewing windows in the hoarding to satisfy public curiosity.

Decorative displays will be agreed with NPT and PAC during preconstruction

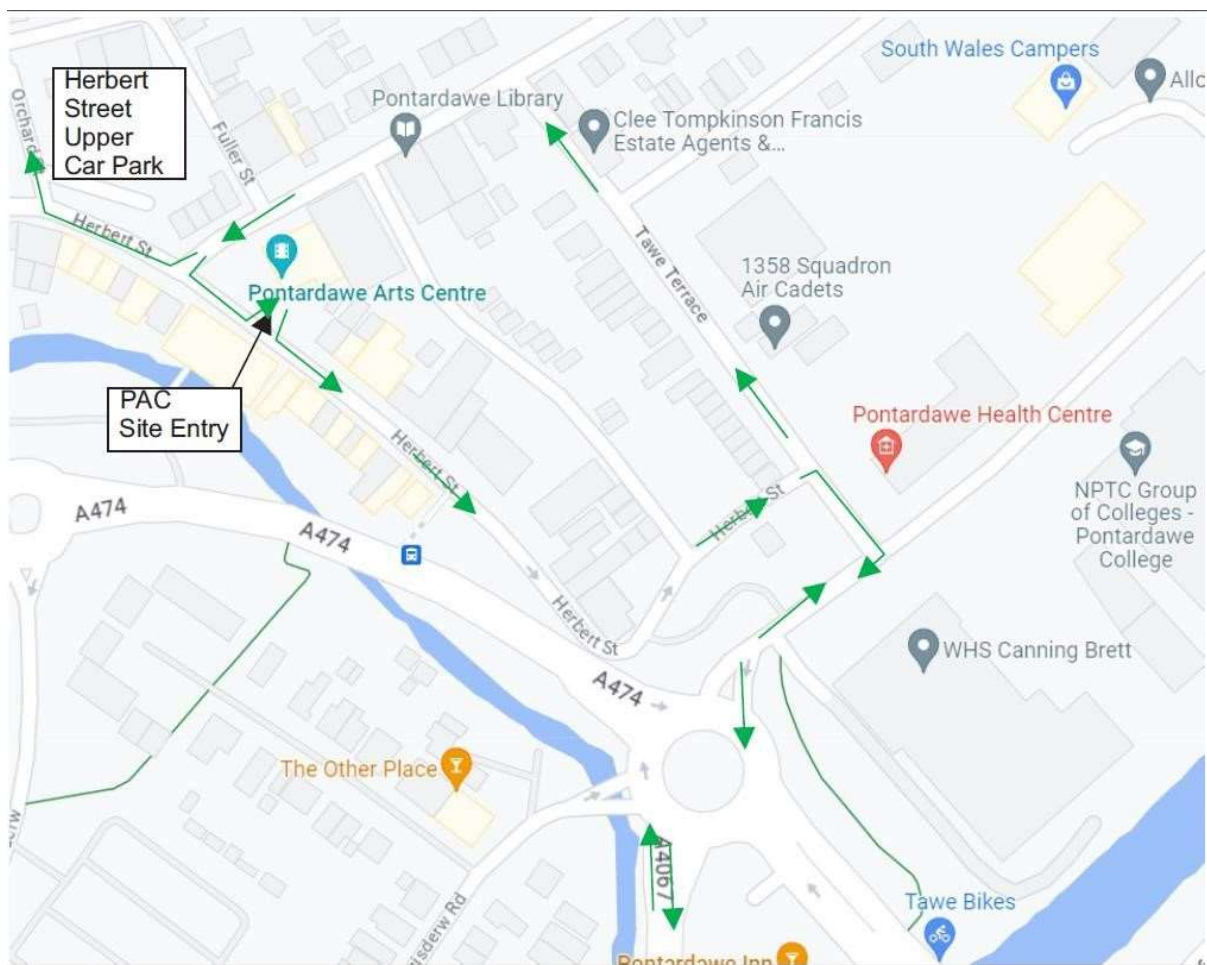
5. Traffic Management

Traffic will be directed from the A4067 and proceed to site via Tawe Terrace, turning left on to Holly Street and left again to lower Herbert Street where they can enter the site. On existing the site traffic will proceed by turning left onto lower Herbert street to meet Tawe Terrace before turning right to proceed back to the A4067.

All persons will be directed to use the Upper Herbert Street car park – directions as above only turning right at the end of Holly Street to proceed to the car park.

Proposed routes are shown by way of green arrows on the below map

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Traffic and deliveries will adhere to planning condition 5 to deconflict with local traffic.

No vehicles in excess of 3.5 tonnes to access or leave the site from 8am – 9.30am or between 2.30pm and 4pm

All deliveries and traffic movements will be planned to ensure we do not have any vehicle stacking to interrupt Herbert Street.

Vehicles entering and exiting site will be overseen by a traffic marshal.

6. Hours of Working

Hours of Working will comply with the ITT document. We are mindful that the Arts Centre and nearby businesses operated both by day and late into the evening and will programme our work to minimise disruption to these stakeholders.

Contact details for our Site Manager will be provided so we may accommodate specific requests and mitigate potential issues before they arise.

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7. Environmental Risks and Control Measures

All persons working on our sites attend an environmental induction course given by the Site Manager. This includes key information from the Site Environmental Management Plan and cover topics such as the existing ecology, waste disposal, pollution prevention and other relevant information including the phone number of the local Natural Resources Wales office.

The Site Manager will also arrange monthly environmental awareness sessions including tool box talks to all persons working on the site and provide any further training deemed necessary to carry out the project.

The external works have the potential to introduce contaminants from the associated machinery, infrastructure, transportation, importation of constructions materials and maintenance and storage of plant equipment as per the below list:

Noise Dust and Air

The site is located in a busy environment with various surrounding neighbours (PAC, businesses, residences, road-users etc.) to whom the site activities have the potential to cause nuisance. Our bid includes for a full range of mitigation measures that will ensure that as little inconvenience is caused as possible.

Full assessment of activities with the potential to generate high levels of noise and vibration will be presented in the Register of Impacts. This assessment will then be incorporated in the Construction Phase H&S Plan and method statements. Following our tender stage assessment for noise and vibration we will implement the following environmental controls to help negate the effects.

- In general all works will be carried out in compliance with BS5228; The Control of Noise and Vibration on Construction Sites.
- Noise abatement devices/mufflers will be fitted to items of small plant.
- Sound absorbing screening will be erected.
- When selecting plant and equipment noise levels will be considered. e.g. silenced generators.
- Regular toolbox talks will be given to the workforce on the importance of creating unnecessary noise (e.g. shouting and arriving with car radios blaring).
- Radios will not be permitted on site.
- Background Noise Monitoring will be undertaken and prior to commencement, and during key stages of construction at pre-determined locations on the site and in the surrounding area. Action taken when levels are breached on the site through utilising the active reduction methods outlined above and/or provision of PPE. Breaches of acceptable levels within the immediate neighbourhood will not be permitted.
- We have programmed the work on a 5 day week with occasional Saturday mornings (i.e. 8:00 to 18:00 working hours during weekdays). We do not plan to work Sundays or overtime. In exceptional circumstances where this may be

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necessary we will liaise with the Local Authority Environmental Health Officer beforehand.

Excavated ground

Ground excavation works required for the drainage, tank and foundation will be conducted using a small excavator and by hand. We will ensure that the small excavator is jet washed prior to leaving site to ensure there is no debris transfer to the adjacent pavement and highway. Should there be any debris transfer this will be immediately cleaned by our site team

Drainage

NPTCBC have provided the Topographical, Utility Mapping and Drain Condition Survey drawing within the tender information. We will carry out dye tests of existing drain runs as an early action. Mitigations will include:

- Sealing off existing drains with rubber covers or using spill barriers.
- Forming drainage grips
- Site refuelling point away from existing drains.
- Ensure new drains are cleaned and surveyed prior to connecting to existing drains.

Concrete

During construction the washing out of the concrete delivery vehicles placement shoots will be required and this will be controlled by the site team

Simple measures can be taken to ensure no concrete wash out pollutes the ground around:

- Discharge of water into a lined or proprietary concrete washout skip
- Concrete washout skip is to be placed in its own bunded area
- Sediment skip positioned within a larger skip (to act as a dual slit trap & bund)

Existing Pavement and Highway

Due to the close proximity of the access/egress to site to both the footpath and highway of Herbert Street, there will be a requirement to implement a regime to ensure the footpath and highway is maintained clean and free from debris.

- The pavement and highway will be regularly monitored and cleaned as necessary. During periods of high site activity, JWC will implement a road sweeper to ensure the highway is maintained clean at all times.
- JWC operatives will also sweep the pavement twice daily.

Stockpiles

Due to the tight logistics on the site, materials will not be stockpiled. Just in time deliveries and collections will be made.

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Oils and hydrocarbons

The use of oils and hydrocarbons on construction sites provide a risk of leakages and Spillages, leading to pollution incidents. This could affect the water quality in the watercourses and aquifers.

Simple measures will be taken to prevent oil and hydrocarbons becoming pollutants, such as:

- Maintenance of machinery and plant
- Drip trays
- Regular checking of machinery and plant for oil leaks
- Correct storage facilities
- Check for signs of wear and tear on tanks
- Care with specific procedures when refuelling
- Designated areas for refuelling
- Emergency spill kit located near refuelling area

Weather (storms)

JWC will continually monitor weather forecasts to allow preparation time before any significant rainfall, to allow:

- Avoiding excavation work when storms and heavy rainfall is forecasted • Developing a robust environmental action plan with emergency controls.
- Fuel and COSHH substances will be stored in a designated area. They will be in double bunded units with 110% capacity and appropriate spill kit. The designated area will be away from any watercourses, surface water drains

Dewatering

During construction there will be occasions when excavations left overnight could be to collecting rainfall

- Simple measures can be taken to ensure that dewatering of excavations can be controlled as per the guidance set out below:
- Phasing of the works to ensure that no excavation is left open for more than 48 hours. Trenches to be backfilled after works are complete
- Ensure that we only have short term and temporary discharge of uncontaminated water which is wholly or mainly rainwater, from an excavation to surface water
- Comply with all the government recommendations <https://www.gov.uk/government/publications/deposit-and-dewatering-ofnonhazardous-silts>
- Use tanks are used to ensure pumped water filtered for silts and contaminants
- Only clean water (e.g. rain water) will be permitted to discharge

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Site Ecology

We will adhere to any ecological recommendations in the Client's ecology plan including those in relation to the building and wider site including nearby watercourses.

8 Emergency Response Plan

In the unlikely event that our control measures fail then the JWC emergency response plan will be followed.

- Check watercourses during periods of high rainfall or construction activities with potential for significant run-off.
- Take immediate action if you identify any high sediment which is causing pollution or if unsure if it is significant consult with the environmental manager(s) who should determine who is to be notified
- Implement mitigation measures immediately. Control pollution at source wherever possible. Consider whether the site activity should be halted.
- Consult the JWC Environmental Champion if in doubt. Jennifer Parker, tel. 07884 184841
- Monitor the effectiveness of protection measures daily and re-plan as necessary.
- Always remove silted bales/screens etc regularly so they do not make problems worse.
- Talk to Officers regularly and check your plans for emergency procedures.
- Reconsider working practices which may be causing pollution in poor weather conditions and re-plan / re-programme.

9. Monitoring

The following monitoring arrangements will be implemented by the site team:

- Daily checks of all temporary measures implemented.
- Daily weather checks

10. Training

All personnel from the site manager, plant operatives, sub-contractors, tradesmen and labourers have a part to play in preventing pollution and harm to the local environment during construction. It is crucial that each member of the site team is aware of the potential impact of their activities and is *equipped with the knowledge of how to eliminate or reduce that impact*.

11. Programme and Phasing

The Construction Programme, dated 25.10.2023, provided in Question 3 of the tender submission (this document) should be read in conjunction with the contract documentation

12. Site Welfare and Office

During the construction phase it is a CDM requirement to provide welfare facilities for our staff and operatives. For the delivery of this project, our site welfare will be

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located in the second floor of the Pontardawe Arts Centre building and accessed via the external staircase to deconflict with building operations.

13. Dealing with Change

Any changes that occur during the construction stage will be communicated to NPT Council for review and agreement.

14.. Responsibilities

Contracts Manager – Nathan Davies

Overall responsibility for the project including management of environmental risk

Site Manager – Len Gibbons

Day to day responsibility for the project including management of environmental risk

Environmental Champion – Jennifer Parker

Peer review and support