



Draft Construction and Environmental Management Plan (CEMP)

Part 8 Application for Laurel Lodge Park Playground

November 2023

- 1.0 Introduction**
- 2.0 Description of the Project**
- 3.0 Working Hours**
- 4.0 Specific Work Practice Recommendations for Archaeology & Habitat Conservation**
- 5.0 Management Organisational Chart**
- 6.0 Site set up and Signage**
- 7.0 Site Traffic Management**
- 8.0 Site Clearance Works**
- 9.0 Waste Management**
- 10.0 Noise**
- 11.0 Dust**
- 12.0 Excavation work**
- 13.0 Public Safety**
- 14.0 General Precautions**
- 15.0 Summary**

1. Construction & Environmental Management Plan

Fingal County Council proposes to develop a public playground with landscape planting, subject to funding and any necessary planning permission at Laurel Lodge Park, Castleknock, Dublin 15. Prior to the commencement of site works FCC will appoint a PSDP and PSCS to carry out the health & safety supervision roles.

The work activities will be carried out in accordance with the Safety, Health & Welfare at Work (Construction) Regulations, 2013.

The Construction & Environmental Management Plan outlines the procedures to be followed to ensure the minimal impact of the construction activities on the surrounding residential communities, park visitors and the general public. The plan considers the safety of site personnel carrying out the work, visitors to the construction site and any unauthorised persons obtaining access to the site.

The draft Construction & Environmental Management Plan is to be read in conjunction with the Health & Safety Management Plan for the site and the task specific Method Statements for the works, which will be prepared and amended during the construction phases of the project. These will form part of the overall H&S management system by Fingal County Council.

During the project all site access points, footpaths and roadways will be maintained in a satisfactory condition and the works carried out in such a manner as to cause minimum inconvenience to adjoining sports facilities, public areas and land users.

It is Fingal County Council's Health & Safety policy, to provide and maintain a safe and healthy working environment to all involved with the project. Fingal County Council recognises its duty to comply with the Safety, Health & Welfare at Work Act 2005 and Safety, Health & Welfare at Work (General Application) regulations 2016 and Safety, Health and Welfare at Work (Construction) Regulations 2013 and associated legislation and codes of practice.

The project will be notified to the H.S.A online by submitting the forms AF1 and AF2 prior to construction.

2. Description of Project

The proposed development works include the following:

- 1 no. Local Equipped Area for Play (LEAP) playground totaling approximately 400m², constructed in line with the principles of universal design.
- 5no. play items including multi play & natural play items. Play area to be finished with safety surfacing.
- New 1.2m high bow topped metal rail fencing & gates finished buff in colour, enclosing the proposed play area.
- 1no. new drinking water fountain.
- Landscaping including mounding (to a maximum height of 1.5m) and tree planting to the south-west of the proposed playground.
- 10 no. bicycle parking spaces including cargo bicycle parking using Sheffield type or similar bicycle stands, located adjacent to the proposed playground.
- All other ancillary site works.

The commencement date of site works is subject to receiving the resources to deliver the project. The project will be carried out as a single phase to maximise construction related efficiencies.

The proposed location for the site compound will be adjacent to the area planned for the playground.

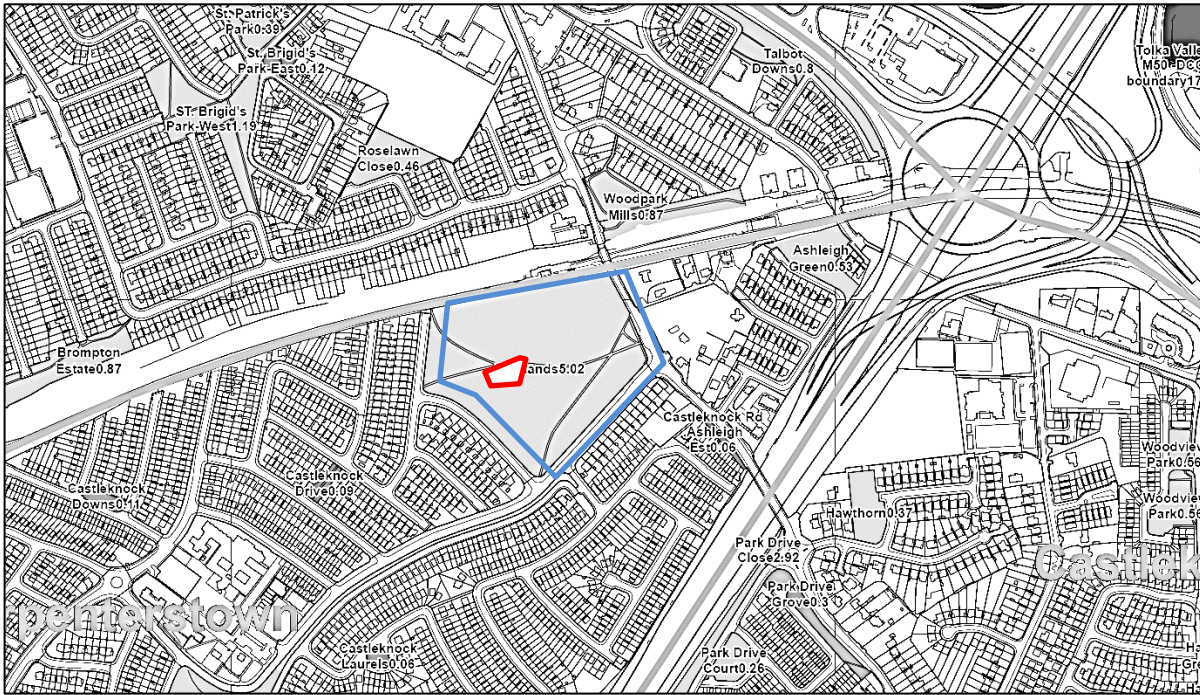


Image 1: Proposed Project Site Location inside the red line at Laurel Lodge Park

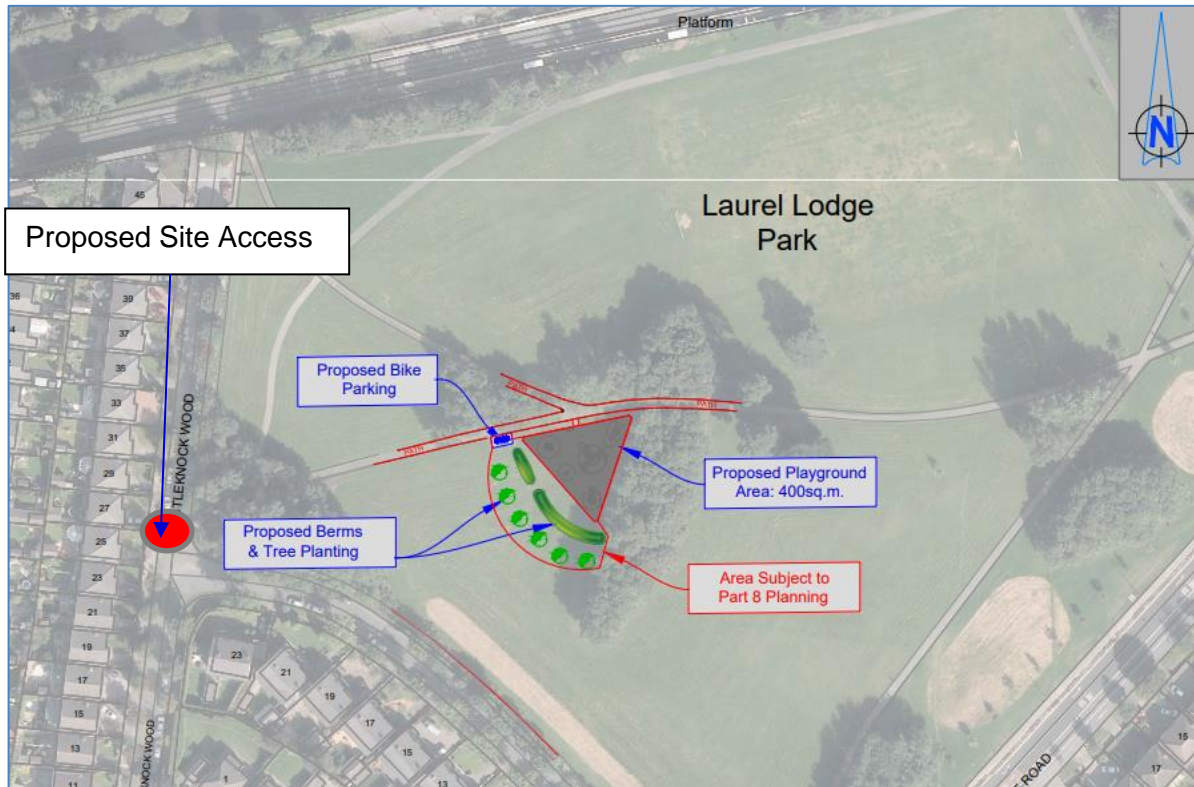


Image 2 – Proposed site layout including access and works area.

3. Restrictions on Working Hours

The commencement date on site is subject to confirmation of the resources to deliver the project. A full program of works will be available in the site office throughout the project.

Restrictions will be imposed on working hours to minimise impacts on park visitors and adjoining residents. The proposed working hours on the site are:

8.00am to 6.00pm Monday to Friday

There will be no site works on weekends or Bank Holidays, unless otherwise agreed in writing with Fingal County Council.

Republic of Ireland - Public Holidays

- January - New Years Day
- February – St. Brigid's Day (first Monday)
- March – St. Patrick's Day (17th March)
- April – Easter Monday
- May – May Day (first Monday)
- June – Bank Holiday (first Monday)
- August – Bank Holiday (first Monday)
- October – Bank Holiday (last Monday)
- December – 25th Christmas Day and 26th St. Stephen's Day

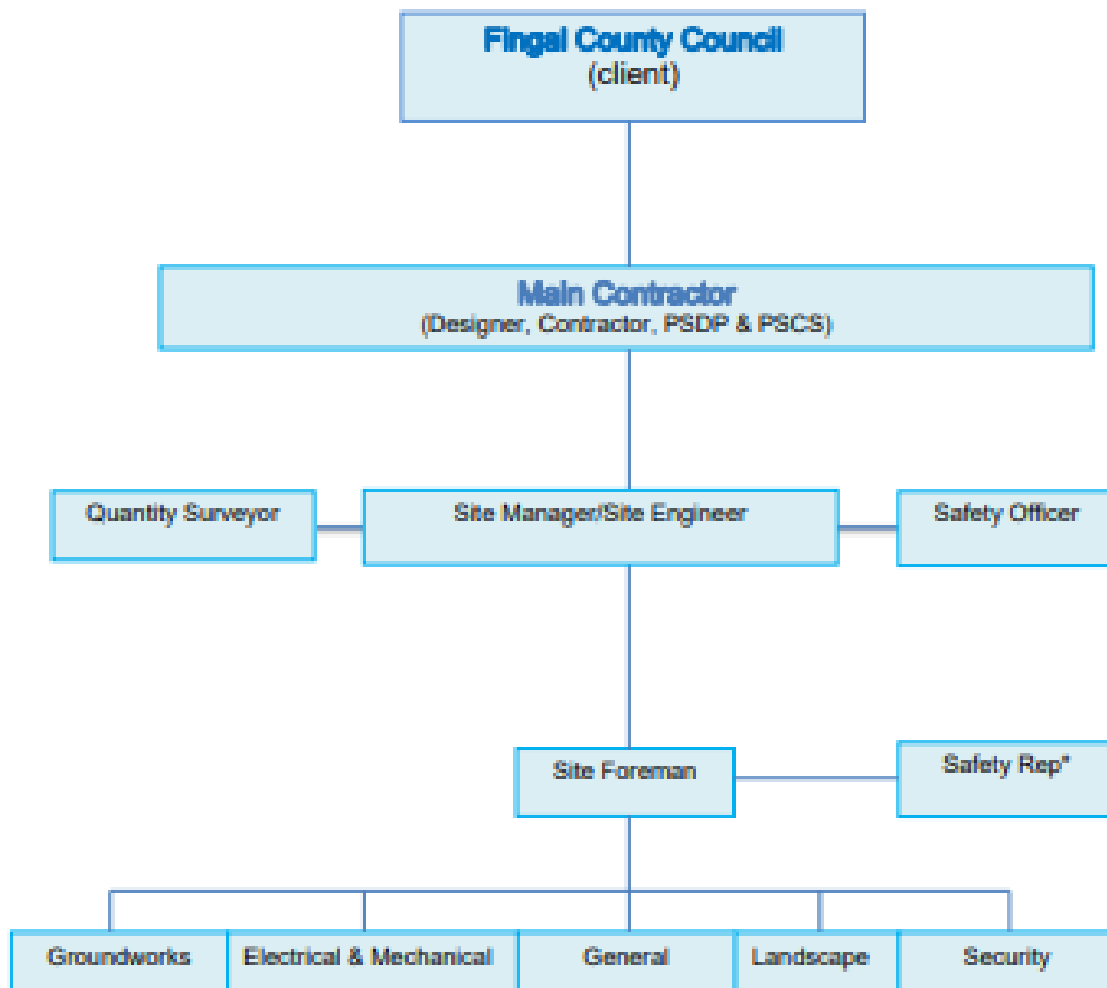
4. Specific Work Practice Recommendations for Archaeology & Habitat Conservation

The site does not include any recorded protected monuments however the open space may include part of the demolished Laurel Lodge house and outbuildings. The appointed contractor will implement relevant archaeological monitoring in accordance with the National Monuments (Amendment) Act 2004.

In accordance with Section 40 of the Wildlife Act 1976 and amended by the Wildlife Amendment Act 2000 and Heritage Act 2018, removal of any vegetation must occur outside the period beginning 1st March – 31st August in any year, in order to protect existing bird nesting and bat roosting sites. Appropriate arrangements must be implemented to protect retained trees and other vegetation during construction works. Prior to the removal of any trees or vegetation a Bat Scoping Survey using the Arboriculture Association template will be undertaken to record any identifiable signs of their presence.

Appropriate protection measures to *BS5837 standard Trees in Relation to Design, Demolition and Construction Recommendations* shall be implemented to protect retained trees and tree lines in proximity to construction works and access routes.

5. Project Management Organisational Structure



The names of the site management team will be appointed at a later stage and will be updated through the developed H&S Plan for the site and regularly updated throughout the project.

- Note under the Safety, Health and Welfare at Work (Construction) Regulations 2006 a Safety Rep is required if more than 20 persons are working on-site at any one time or if the contractor has more than 30 persons working on multiple sites.

6. Site Set Up



Image 3 – Proposed Site Layout at Laurel Lodge Park

The proposed site layout as shown in Image 3 is accessible from Parklands the residential street to the south-west. The proposed main access to the site will be from this road utilising existing hard surfaced footpaths.

The construction works will be separated from the surrounding public park by the erection of a 2m high secure fencing/hoarding fixed to timber posts (or equivalent) around the construction boundary as necessary to prevent access to the works area.

The Site Compound

It is envisaged a temporary site compound of less than 200m² to include contractor parking area will be established within the site area as shown in Image 3 above. This will ensure there are no parking requirements outside the site boundary. The proposed site compound shall include a material storage area and site car park.

The site compound may consist of the following:

- Site Parking approx. 4 cars/vans
- Site office
- Toilet
- AED / First Aid Station

The site set up will be complete prior to commencing construction work and subject to the appointed contractor's requirements.

Construction Site Lighting

The use of external lighting will be limited to the site compound area to provide for a safe & secure site. Any lighting provided in the compound will be directed down locally to the required areas and at no stage will site lighting be directed at existing residential areas.

Signage

- Signage will be erected on the outside of the site and on the public road approaching the site entrance.
- The site access points will be clearly highlighted to warn members of the public vehicular and pedestrian traffic passing the site.
- Pedestrian detour signage is to be implemented.
- General Warning and “Keep Out” signage will be displayed on site boundary.
- General warnings and safety signage will also be displayed within the site boundary.
- Identification of vehicle access point.
- Identification of the Pedestrian access point.
- Visitors report to site office
- Location of parking
- Location of First Aid Boxes and equipment.
- Speed limit signage 15KPH
- Warning live services
- Wear PPE
- General construction site warning signage.
- Directional signs to the site compound.



Site security:

Secure fencing is to be erected enclosing the site and temporary site compound. Any additional security measures will be assessed and implemented when required including remote CCTV monitoring.

Parking:

A designated parking area will be provided in the site car park as shown on the compound drawing above. It is proposed to cater for up to 4 cars/vans in this area to minimise the disruption to the local amenities and parking facilities.

Construction vehicle parking is not permitted in the following areas:

- on the public roads
- within local housing areas.

7. Site Traffic Management

All site access will be through the signed site compound entrance as described above. This will be the only vehicle access & egress point to the site for deliveries and car parking. The site roads and services will be developed at an early stage of the project to provide vehicle access around the site on sealed paths to minimise the potential for muddy road and underfoot conditions. The traffic management plan will be updated throughout the project as the roads and footpaths are developed.

A road sweeper and water bowser will be available to the site to ensure that Parklands, Castleknock Wood and Park Lodge Road surfaces are maintained free from mud and other debris from vehicles exiting the site.

Site visitors will be directed to the site compound and construction traffic will be monitored within the construction access & works area. The site manager will monitor vehicles exiting the site to check for mud or debris depositing on the public road.

Signage will be posted along Parklands, Castleknock Wood and Park Lodge roads indicating "Construction Access ahead" from all directions. The property boundary along the length of the construction works will be securely fenced off at all times with 2m high secure fencing/hoarding as required.

Operating one access point to the construction site minimises the interaction with public pedestrian and vehicle traffic.

A banks man / spotter will be used with vehicles when reversing or moving within the site. This will be the responsibility of the appointed individual contractor.

Deliveries and removal of waste will be managed daily to ensure the minimum amount of materials and waste are on site at any time. Materials will be stored in a designated storage area on site suited to the ongoing works. Vehicle access is provided along a hard standing to reduce the amount of construction waste and mud attaching to vehicles.

The nominated main contractor will ensure the maintenance of the public road and footpaths, to prevent a build-up of mud or waste being dragged out onto the Parklands, Castleknock Wood and Park Lodge roads.

The site access works will be undertaken at an early stage of the project to provide safe vehicle access to the works site, utilising sealed pathways where feasible. It is also planned to reuse the topsoil for the landscaped areas. This will reduce the construction traffic movements in the local area. The traffic management plan will be updated throughout the project.

8. Site Clearance Works

There were no invasive species identified in the proposed construction site area. Further assessment for invasive species should be undertaken prior to any construction works on site. All construction work will be carried out by a competent contractor in accordance with their proposed safe system of work. The sequence of work will ensure any services, roads, pathways etc. are in place to minimise the build-up of mud and soft ground throughout the project.

In the course of the construction phase, if waste removal is required, the information and volumes will be provided by the contractor in a "Waste Management Plan". If entry into excavations is required, a detailed method statement and risk assessment must be submitted by the specialist contractor and form AF3 is used to record inspections of excavations on the site.

It is intended to minimise the removal of topsoil from the construction works using the excavated materials for landscaping. This proposal will reduce the volume of traffic into and out from the site. General waste will be separated into skips/bins on site for removal by licensed waste companies.

All waste records will be maintained by the contractor.

9. Waste Management

The appointed contractor and site visitors will implement best practice on waste disposal including separate bins and skips for recycling and general waste. Waste generation will be minimised through the reuse of excavated topsoil for landscaping and proper waste handling routines such as the recycling of packaging waste. Covered skips and bins will be used to contain loose waste thus minimising litter and wildlife scavenging.

Skip deliveries if necessary and removal of waste will be managed on a frequent basis by licensed waste operators only to ensure the minimum amount of waste stored on site at any one time. The appointed contractor will be responsible for the removal of waste and maintenance of the site area.

10. Noise

The contractor's Site Manager will ensure all noise levels in the working area are assessed around the site perimeter and within the site, with the relevant appropriate action to reduce the noise emissions, implemented once the noise levels are known.

Site management will be fully aware of the location of the construction works in relation to the neighboring residential and public areas and will take all appropriate measures to reduce noise emissions from the site. These include but are not exclusive to:

- Working within the stated hours on the planning conditions.
- Shutting down plant when not in use,
- Keeping covers on compressors and other plant closed.
- Managing work activities and work sequences to minimize noise exposure.
- Use of well-maintained and certified plant and machinery.
- Noise monitoring on site.

11. Dust

Site Management will take all necessary measures to reduce high dust levels on site. While levels of dust cannot be eliminated, the main contractor will implement measures to keep dust at ground level this will be particularly important in the following times:

- Throughout the site development works.
- During ground works
- During summer works due to dryer weather - wetting down and high levels of housekeeping will minimise rising dust. When using abrasive wheels. All cuts with con saw/grinder will require water suppression to minimise rising dusts.
- Site personnel will wear dust masks when sweeping out/dust generating activities.
- The contractor's housekeeping policy will be implemented with all activities to minimise the creation of dusts and waste on site.

12. Excavation Work

Excavation work is required as part of this project. The following control measures are required to be met on site to ensure the safety of work in excavations on site.

- All excavation work is carried out by the competent contractor appointed to the project.
- Task specific method statements and risk assessments are carried out for each task.
- Ground investigations are carried out prior to commencement of any work on site to ensure potential hazards and ground conditions are identified.
- Site safety management will observe and monitor excavation work on site.
- AF 3 forms will be used where required to record inspection of all excavation works on site.
- A combination of trench boxes and support systems are required to provide safe systems of work for entry into excavations.

13. Public Safety

The following key points are to be followed in order to address public safety issues in the local area:

- A full traffic Management Plan will be prepared to manage vehicular & pedestrian traffic on Parklands and within the park, throughout the project.
- The site access gate will be closed during the works (except for site traffic movements) and locked shut when the site is vacant.
- Construction Warning signs will be erected all around the perimeter of the site.
- A security system will be in place throughout the site compound outside of working hours.
- The site will be secured on all sides by secure 2-meter-high boundary protection.
- A diligent housekeeping policy will be operated to prevent a build-up of waste and construction materials.
- Noisy works must be kept to a minimum and the contractors must comply with the Safety, Health & Welfare at Work (General Application) Regulations 2016.
- Dusty works will be kept to a minimum.
- The public roads and footpath will be monitored on an ongoing basis to ensure the waste or debris will not create a hazard on the public road.
- Work on public roads will be carried out after careful planning, a traffic management plan, method statement and road opening license are in place if required.

- All traffic management works will be set up and managed by persons trained to CSCS Signing, Lighting and Guarding at Roadworks.
- Vehicles will be banked in the direction of movement when exiting the site into public access areas.
- Site hazards such as excavations and machinery will be left in a safe and secure manner. Excavations will be backfilled or fenced off.
- All chemical agents and other harmful substances will be stored in a locked container within the secured site compound.

14. General Precautions

Site management have a responsibility to ensure, as far as is reasonably possible, the safety of visitors and contractors while on the site. To that end the following policies will apply:

- All visitors must be briefed on the hazards relating to the site.
- All plant operators will be trained to CSCS standard prior to commencing work.
- Fingal County Council's nominated Project Supervisor (Design Process & Construction Stage) will ensure full time supervision of the works on site and adequate resources to ensure safe procedures on-site.
- Access control systems will be established at the site entrance.
- All worker and visitor access to the site office/compound is achievable without accessing the construction site area.
- Fingal County Council's nominated main contractor's personnel will accompany visitors or other designated person, while on the site
- Visitors are to be made aware and obey the site safety rules and emergency procedures e.g. The wearing of personal protective equipment, respect for the neighbors to the property, etc.
- All sub-Contractors on site will be inducted and must sign off their method statements before commencing work. Records of training must be on file and up to date.
- All weekly inspections of scaffold, work at height equipment, plant and machinery and excavations are displayed in the site office and updated as required

15. Summary

A Preliminary H&S Plan will be prepared at design stage and the construction stage Health & Safety Management Plan including site specific risk assessments will be prepared in advance of the site works commencing.

Only competent contractors demonstrating experience in projects of similar scale & complexity shall be considered for appointment. The proposed project tender will be a Design & Build contract to include PSDP and PSCS appointments.

The H&S Plan will continue to be developed by the appointed PSDP & PSCS throughout the project as the works progress. Health & Safety documentation including Method Statements for the project will be retained on site by the contractor.