

TRAFFIC MANAGEMENT PLAN

NEW BALL WALL AND INTERNAL ALTERATIONS TO PROVIDE NEW FIRST FLOOR STORAGE

at

St Patricks GAA Club Palmerstown, Glenaulin Park, Palmerstown, Dublin 20.

APPLICANT: The Chairman for St. Patrick's GAA Club Palmerstown

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Development Element A - Ball Wall

Duration of Construction

2 Days

Site Preparation

The trees closest to the construction zone shall be protected during the course of construction by fencing as per BS 5837- 2012 - Trees in relation to Construction. Existing mesh fencing trimmed back to suit and carried to front of the Clubhouse to be stored

Ground Works

Small digger to excavate foundations. Cement truck parked up at side of the building at Location 'B' and cement delivered from Location 'B' by wheelbarrow to the foundation strips.

Installation

Crane parked on the forecourt at Location 'A'. Precast wall panels craned over the Clubhouse and set in position.

Post Installation

Foundation spoil collected at Location 'C' and removed to a certified disposal depot.

Development Element B - First Floor Storage with escape door and window

Site Preparation

Skip delivered to Location 'C'.

The Works

Demolitions to form new opes carried out by hand – no construction machinery necessary. Spoil hand carted to the skip at Location 'C'

Delivery of materials for internal works to be stored at Location 'D'

Post Construction

Spoil carted to the skip and removed to a certified disposal depot.

Development Element C - Retention for Refreshment Kiosk to Front

Site Preparation

Skip delivered to Location 'C'.

The Works

Demolitions to form new ope carried out by hand – no construction machinery necessary. Spoil hand carted to the skip at Location 'C'

Delivery of materials for internal works to be stored at Location 'D'

Post Construction

Spoil carted to the skip and removed to a certified disposal depot.

Development Element D – External Storage Area

Site Preparation

None

The Works

Panels stored on Delivery truck on the forecourt at Location 'A' and decanted for assembly.

Post Construction

Wrappings/package removed to a certified disposal depot.

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EXTERNAL VEHICLES, PEDESTRIAN & CYCLISTS SAFETY

The following situations require consideration –

Public Traffic External to Site.
Public Cyclists External to Site.
Public Pedestrians External to Site.
Site Operatives accessing and exiting the site.
Trespass via Main entrance
Vehicle Speed Limits.
Signage – Both Warning & Regulatory on site and at the entrance area.
Set down areas for vehicles on site.
Set down areas for vehicles at the entrance area.
Timing and coordination of deliveries.
Access points to building for deliveries (later in project)
COMPOUND ACCESS / TRAFFIC CONTROL

PUBLIC VEHICLES, PEDESTRIANS & CYCLISTS EXTERNAL TO SITE:

All required precautions must be taken to secure the safety, health and welfare of vehicles on adjacent roads, pedestrians that are walking on the footpaths that border the Site and cyclists using the cycle lanes adjacent to the site.

The following is a non-exhaustive list of control measures:

- (a) Hoarding and Fencing will be inspected on a weekly basis, particularly after weekends and or inclement weather by the Site Agent.
- (b) All works that affect the public must be adequately fenced off and inspected before finishing time and at the start of each workday. This is the responsibility of those who carry out works and should be inspected by the supervisor and by the relevant sub-contractor supervisor.
- (c) Lighting around said works (if required) must be erected and maintained as necessary. It is the responsibility of those who carry out works to provide lighting. Lighting to be inspected by the supervisor.
- (d) Security guards will be on duty at entrance during normal work hours (7am to 7pm)
- (e) The Site security officers are responsible for control of the entrance. Signage will be in place advising the public of construction works.
- (f) All vendors and subcontractors must issue a method statement for loading & unloading vehicles and be submitted in the first instance to the Site Management team for review.
- (g) Deliveries must be planned and controlled. (See deliveries section)
- (h) Delivery Vehicles must be fitted with flashing beacons.
- (i) The speed limit on the business park road is 50 KPH / site speed limit of 15 KPH must be adhered to.

- All deliveries/collections to/from the Project site to take place during standard site hours only (Mon-Fri 8.00am to 6pm)
- Deliveries/Collections of materials and/or plant to take place within site boundary only i.e. on construction site (designated set down areas will be allocated).
- No materials/plant is to be offloaded/loaded on the business park road to DUB07/08.
- **Deliveries** must be communicated in advance. A weekly look ahead will be issued to all Sub-contractors and Vendors showing scheduled deliveries. Delivery schedule must be emailed to the logistic co-ordinator (TBC). See **Section 13** for delivery schedule format.
- **For deliveries onto site, Security Officer will carry out a short driver induction and check on beacons and reversing sirens. See below driver induction form (all drivers to have safe pass) and delivery inspection sheet;**
- If there is a need for trucks arrive early before site opens due to oversized loads etc. the truck must be booked in who will advise on where truck is to set down to await site opening.
- Delivery trucks are not to park on the Business Park roads or entrances.
- Method Statements are to be forwarded for the offloading/loading of all plant and materials. Necessary Risk Assessments and Control Measures to be outlined and implemented.
- No materials and/or plant are to be offloaded/loaded by unsupervised delivery drivers. Drivers must make contact with Subcontractor Supervisor before commencing unloading/loading operations
- No unauthorised passengers are permitted in cabs, including children.

No overnight parking or set down is permitted on approach roads to the site or outside the main gates unless by prior arrangement.

- Vendors and subcontractors must liaise with the relevant manager and site contact details as follows-
Tel TBC Administrator TBC
- Security / management / specialist contractors/ vendors are not to allow dangerous parking that could cause traffic congestion or an incident. If such an occasion should arise security / management must advise the vehicle to leave the area until it is safe / practical to return. If there is any difficulty in enforcing this instruction then the Site Agent should be advised so the situation can be resolved
- It is up to the delivery driver & sub-contractor/vendor to co-ordinate the delivery.
- Delivery Trucks must not cause an obstruction to the access road leading to the site by parking anywhere other than the lay by.
- We encourage a '**just in time**' policy for deliveries. This stops the site becoming congested with stored materials and materials less likely to be damaged.
- All deliveries must notify the relevant contractor when they arrive at site security.
- Deliveries must remain at the site designated set down area until a **SPOTTER** from the contractor is present to accompany the vehicle onto site when required.
- Deliveries to compound must follow logistics plan (see layout **section 12**)
- **All reversing** of delivery and construction vehicles is prohibited unless accompanied by a spotter. Exceptions are exclusion zones for movement of plant i.e. Plant must be separated from people. All these activities must be risk assessed before proceeding.

TRESPASSING ONTO SITE:

- (a) It will be the duty and responsibility of site security to prevent unauthorised entry onto the site at the site entrance.
- (b) The Construction site will have a perimeter fence.
- (c) The compound & parking area is fully fenced.

VEHICLES SPEED LIMIT

- (d) The speed limit is 15kph on the site. Vehicles may only travel at walking pace within the Car Park and compound. It is the responsibility of ALL to comply.
- (e) All vehicles must comply with the 50 KPH speed limits within the Grangecastle industrial park. The park security strictly enforces this and hold responsible for ensuring our personnel and sub contractors obey the limits.
- (f) All vehicles to have the "appropriate devices" such as flashing beacon/s, reversing horns, convex mirrors, cameras so as to eliminate blind spots. These must comply with the current legislation (**SHAWW Construction Regs - PART 11 Safe operation of vehicles 2013**)
- (g) If delivery vehicles do not have beacons they must use their hazard lights at all times.
- (h) All reversing of delivery and construction vehicles is prohibited unless **accompanied by a spotter.**
- (i) **Traffic must give way to pedestrians at crossings.**

SIGNAGE:

- (a) Adequate signage will be erected and maintained by as required on site perimeters e.g. "Caution Construction Site Ahead", "caution pedestrians crossing".
- (b) Signage will be erected by subcontractors as required to comply with relevant Road Works Regulations and Best Practise.



Sample Traffic warning signs on approach & exit, to and from Site entrance.

Section 4 - SITE ACCESS FOR PERSONNEL AND VISITORS

- (a) All persons who access site must present themselves at the security control cabin.
- (b) Persons will be directed to either the Construction Phase access route or to the compound.
- (c) See attached plan for location of parking facilities outside the site security fence.
- (d) Pedestrian routes will be maintained throughout the site. Barriers are used to demarcate access routes to and from the main Buildings. Signage will be placed on routes.
- (e) It is the responsibility of the Site Manager and safety officer to review access routes weekly.
- (f) Excavations will be fenced off to protect pedestrians. The ground works sub-contractor to carry out this work and supervisor will inspect same.
- (g) All sub contractors and vendors to implement local signage around their work areas / exclusion zones.
- (h) Adequate lighting will be installed and maintained throughout the site during working hours as required by sub-contractors.
- (i) Construction employees are advised to wear high visibility clothing when walking or cycling to work especially while using the access road, and during winter time.
- (j) Pedestrians approaching plant or machinery should approach the vehicle on the drivers cab side and make eye contact with the driver until he acknowledges their presence.**

Section 5 - TRAFFIC MOVEMENT ONTO AND OFF SITE

- a) It will be the duty and responsibility of site security / management to maintain safe traffic movement onto and off site at the Construction entrance.
 - a. This will be achieved by dedicated personnel controlling the main access/exit point to the site. Sub-Contractors must supply their own flag men to assist large deliveries.
- b) This part of traffic movement control will remain under constant review.
- c) Full Hi-Viz. Jackets must be worn by personnel involved in traffic control and on road works. It is the duty and responsibility of employers to provide adequate PPE where necessary for work undertaken. The operatives carrying out these duties must be fully briefed of the hazards, risks and control measures necessary for this task.
- d) Vendors and Subcontractors must coordinate and agree all set down of off-loading areas with Management.
- e) Any work on roads will require risk assessment and Supervision.
 - a. Notification will be given to Noonan Security Campus Supervisor for works to be carried out on the Grangecastle Campus.
 - b. Notification will be given to South Dublin County Council (Clondalkin) and local Gardai for work on roads outside the campus.

- f) The ground works subcontractor must ensure that all his vehicles pass through the wheel wash before leaving site.
- g) The ground works subcontractor must ensure that all site roads and adjacent approach roads are maintained to a high standard of cleanliness on a daily basis using a road sweeper when required.
- (d) All reversing of delivery and construction vehicles is prohibited unless accompanied by a spotter. Exceptions are exclusion zones for movement of plant i.e. Plant must be separated from people. All these activities must be risk assessed before proceeding.
- (e) All plant must be fitted with the requisite auxiliary devices (mirrors, cameras etc.) to ensure maximum visibility around the vehicle and eliminate blind spots.

Section 6 - TRAFFIC MOVEMENT AROUND THE SITE

- (a) The main site entrance for traffic entering the Construction site is located off the Grangecastle business park road.
- (a) Vehicles allowed on to site will be strictly limited to construction plant and delivery vehicles.
- (b) There are designated access routes and these will be reviewed as site develops.
- (c) Plant and delivery vehicles must only park or set down in agreed locations and ensure access and egress to the site is unhindered.
- (d) All delivery drivers must have safe pass training or equivalent and wear full PPE when exiting the vehicle, vehicles will be prohibited on site if found to be in breach of safety requirements.
- (e) Traffic must give way to pedestrians at crossings.**

Section 7 - OFFLOADING ON SITE

- (a) Vendors / Subcontractor site supervision must agree locations for offloading plant, equipment and materials items.
- (b) Where necessary exclusion zones & signage to be put in place & maintained by the relevant subcontractor & vendor subcontractor site supervision to review for ongoing activities.
- (c) All drivers are inducted before entering site. Full PPE is worn at all times. The driver switches off engine / driver dismounts from cab and opens side of trailer curtain. Driver stands beside cab while offloading / loading is carried out.
- (d) SPOTTER must be in place for offloading activities. Exclusion zones must be used for Loading / offloading i.e. Plant must be separated from people. All these activities must be risk assessed before proceeding.
- (e) All vendors / subcontractors must ensure relevant safe system of work plan for off loading is in place
- (f) The site rules in relation to lifting appliances must be adhered to. (See DUB07/08 (HSE Plan))

Section 8-PARKING ON SITE

No parking of vehicles in the compound –set down only –use the car park. It is mandatory to reverse park.

There is a proposed designated car park located behind the compound (See attached Plan).

Sub-contractors are requested to ask their personnel to use the Dublin bus service that is frequent and in close proximity to the site. This will prevent overcrowding of the car park and is environmental “best practice”.

Section 9 - COMPOUND ACCESS / TRAFFIC CONTROL

1. Pedestrians walk from Security to all offices via the dedicated pedestrian access routes (see logistics plan).
2. There is a dedicated set down area for materials, turning circles will be provided for teleporters and machinery to reduce reversing of vehicles.
3. No parking of vehicles in the compound.

Section 10 - Plant and Machinery Certification

1. On arrival to site Plant and Machinery is checked in at Security and details logged in the Plant register.



2. Plant is then parked in the car park or lay down area or directed to site for unloading only.
3. The subcontractors nominated Plant Supervisor /Safety Officer and Safety Officer or Site Agent and Plant driver initially checks for the presence of auxiliary devices (Cameras/mirrors) flashing beacons and motion sensors. (Schedule 7 (2013) listed vehicles only). Plant Arrival Check Sheet is complete when machinery arrives.
4. The Plant drivers then complete the relevant Plant GA2 inspection form.

Note; GA2 to be completed for off -hired equipment until collection date.

- For arrival of mobile cranes to site a "Mobile Crane Arrival Check Form" must be complete and form part of the lift plan before lifting operation can begin.



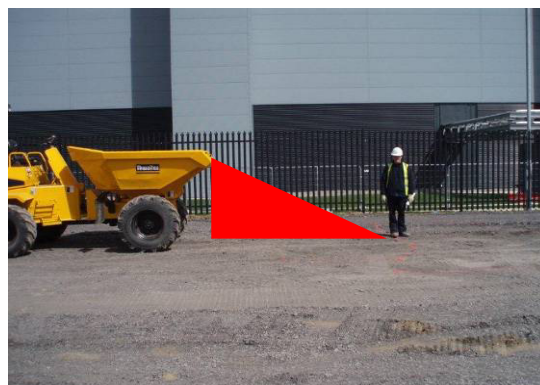
- A Plant sticker will only be issued when the Plant cert. (GA1 /C/E /Service record) and GA2 (driver inspection) are complete and any defects or missing devices remedied.

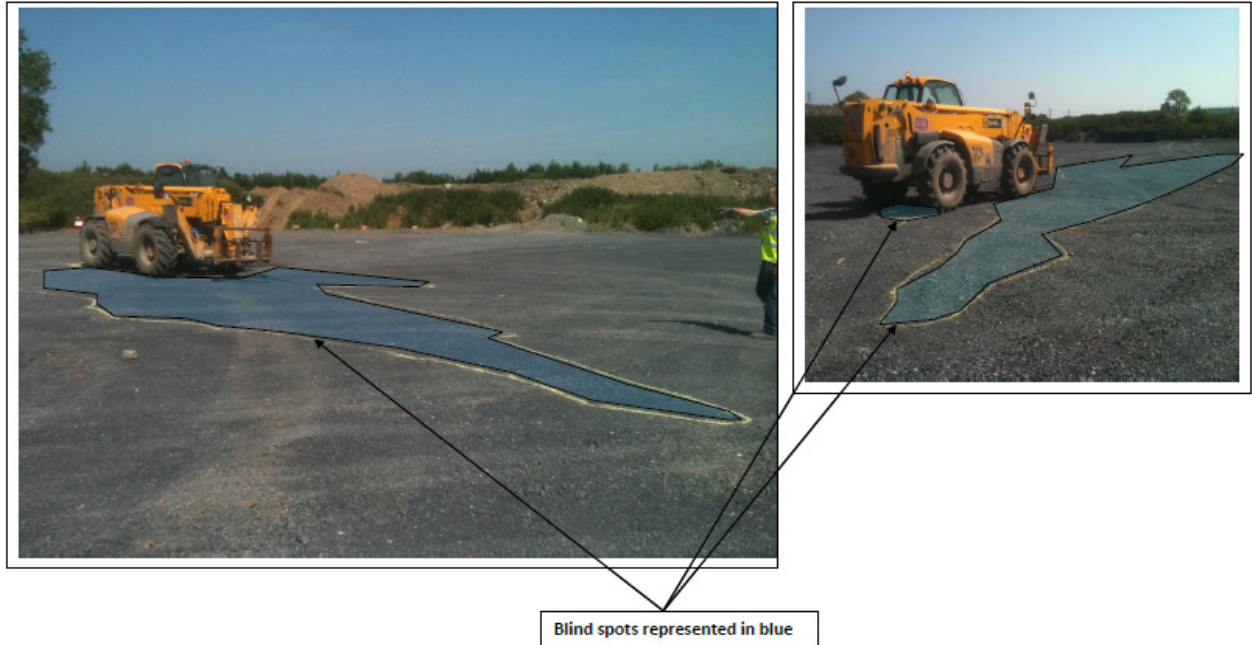


- Inform the driver of the site specific requirements for spotters and banksmen. (Reversing in areas outside exclusion zones, loading areas etc.)



- Plant and machinery may now commence work on site.
- An auxiliary device Survey must be completed on site for **Schedule 7** Plant vehicles within 7 days by the owner of the Plant (or subcontractor) in order to improve driver visibility.





SHAWW Construction Regs - PART 11 *Safe operation of vehicles 2013 & Schedule 7 (list of machinery)*

Machine Type	Reversing and visual aids required
Off-road dump trucks (trailer to rear of driver), payload greater than 7 tons.	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Dumpers (front tip), no cab	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Dumpers (front tip), with cab	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Wheel loaders (loading shovels), including skid steer loaders.	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Backhoe loaders	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
All 360 ° excavators	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.

Scrapers	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
All tracked type tractors (bulldozers)	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Graders	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Telescopic handlers	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Compactors/rollers without cab and seat to rear	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Compactors/rollers with cab and seat to rear	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
All compactors/rollers	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Road Planner	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.
Road pavers	Provide appropriate devices that, where the visibility of any operator is restricted, such devices remedy the hazards arising from inadequate direct vision e.g Convex mirrors, reversing alarm and flashing beacon.

Section 11-

PERSONNEL RESPONSIBLE FOR DELIVERIES ON SITE

Name	Area	Mobile Number
TBC	All Site	TBC

Section 12- Proposed Site Logistics Plan

