P82024.10

Proposed Redevelopment of The Wonderful Barn, Barnhall, Leixlip, Co. Kildare

ADDENDUM No. 1 to Submissions Report

Note: Submission from the Kildare County Council Transport, Mobility and Open Spaces Department was received after the completion of the consultation period. However, it is an internal report to the Planning Department and has therefore, been duly considered and included in the Submissions Report by way of this Addendum.

Submission Ref. No.	Submission on behalf of	Submission received from	Summary of Submission
KCC-C254- WB-28	KCC Transport, Mobility & Open Spaces	George Willoughby, Senior Executive Engineer	 The Kildare County Council Transport, Mobility & Open Spaces Department has examined and has no objection to the proposed Part 8 Proposed Redevelopment of the Wonderful Barn Leixlip Ref P82024.10 subject to the following conditions and comments: 1. A Consulting Engineer should be employed by KCC to carry out the final detailed design of the works, to prepare tender documents and drawings, to assist in the procurement of a Contractor and to assist in the supervision of the works on site. 2. A detailed design for the proposed works should be submitted to the Planning Authority for approval prior to commencement of works on site. Details of the design and traffic management arrangements should be agreed in writing with the Planning Authority, KCC Roads and MDO Sections prior to the commencement of the development on site. 3. The detailed design with dimensions should include pavement materials which should be robust and durable, dimensions of a shared surfaces (3 to 4m in width) to accommodate pedestrians and cyclists paths, cycle parking, parking bays (2.5m * 5m), access arrangements where sight visibility should comply with the DMURS standards, facilities for vulnerable road users (pedestrians and cyclists) accessing the site from the town centres, traffic impact assessment, drainage and outfall arrangements, public lighting, signage and road markings.

 4. Roads, footpaths, turning areas and corner radii at junctions should be designed and construct accordance with the DMURS standards within the development, new footpaths should tie int footpaths. 5. Public lighting should be in accordance with the KCC Public Lighting Policy document. Public lighting should not be impeded by landscaping. 	o existing
footpaths. 5. Public lighting should be in accordance with the KCC Public Lighting Policy document. Public lighting Policy document.	_
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columns should not be impeded by landscaping	оо
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6. A root management plan should be submitted to ensure that roots do not interfere and dama	age shared
surfaces, paths, cycle tracks and roads.	
7. A Stage 2 Road Safety Audit should be carried out by an independent approved and certified	
the proposed development, the infrastructure works and interface with the existing road and	l footpath
infrastructure. The RSA recommendations should be incorporated into the detailed design.	
8. A Stage 3 Road Safety Audit should be carried out by an independent approved and certified	
the completed works including the public lighting being fully operational for the proposed de	=
the infrastructure works and interface with the existing road and footpath infrastructure. The	
implementation of the RSA recommendations should be incorporated into the detailed desig	
9. The design of the proposed works should take into account the proposed new M4 Overpass E	-
beside the development in relation to the interface of the works and the impact on construct	
the noise barrier, landscaping and the removal of vegetation and trees and the allotments. The	
Overpass Bridge was granted permission by KCC on the 22/01/2024 under planning reference	
where the Applicant/ Developer is The Davy Platform IC for and on behalf of the Liffey Sub-Fu proposed development submitted included the location of the M4 Overpass Bridge. The Bridge	
will be supervised by a Resident Engineer and the final design will be approved by TII. There h	
been engagement with the Design Team of the Bridge Works by the KCC Public Realm and Pa	-
in relation to the interface with the Wonderful Barn Project and this engagement should cont	
Details of the Site Location and Layout from the planning application are attached including t	
approval details.	
10. The design of the existing signalised junction (which provides the main access into the develo	opment)
should be examined in relation to the additional traffic and vulnerable road user movements	-
junction and any required upgraded works should be submitted to the KCC Traffic management	
for their approval prior to commencement of works on site where the approved KCC Signalise	
Contractor is Traffic Solutions Ltd and any completed upgraded signalised works should be a	
the KCC Traffic Management Section.	

 The Applicant will be required to submit to a draft Construction Traffic Management Plan that is to contain: a. A Construction Traffic Management Plan indicating all haul routes to and from the site. Delivery times for plant and materials and waste collection shall have consideration to morning and evening peak school
times in the area. This plan is also to contain mitigation measures to minimize the effects the proposed development would have on the immediate public road network and existing traffic movements.
b. Wheelwash arrangements and locations for the construction phase.
c. Location of the construction compound, use of cranes, parking and storage areas during the construction phase. (This is in the interest of the existing residential amenity of properties in the area).
d. Relevant construction site warning signs shall be in accordance with the Department of Transport, Tourism and Sport (DTTAS) Traffic Signs Manual.
e. Hours of operation during the construction phase to be 08.00 hours to 19.00 hours Monday to Friday and 0.800 hours to 14.00 hours Saturday. No work permitted on the Sundays and public holidays. (This is in
the interest of the existing residential amenity of properties in the area).
f. Construction parking within the site and not on the public road.
12. Prior to the commencement of development, a licence is required from the Planning Authority for the erection of fencing / hoarding on the public footpath network pursuant to Section 254 of the Planning And Development Act 2000, as amended.
13. All works involving the opening of public roads or footpaths shall be carried out under a Road Opening Licence submitted to the Municipal District Area Office through the MRL system to ensure the following items are assessed:
a. Contractors' experience and competency to carry out such works.
b. Compliance with the Guidelines for Managing Openings in Public Roads (The Purple book, 2017 edition).
c. Compliance with Chapter 8 of Traffic Management Guidelines including a general assessment of traffic
impacts within the local area.
d. Relevant Insurance's to carry out such works.
14 The Applicant should submit a Traffic and Transport Assessment in accordance with the NRA (TII) Traffic and Transport Assessment Guidelines (May 2014), the impact on the local road, junction and signalised junction network having consideration to existing adjacent residential development. The traffic surveys

to be carried out when local schools and colleges are open and should include any adjacent M4
Interchanges.
15 The Applicant is requested to submit Site Layout Plan at a scale of 1:500 indicating the following:
a. Proposed improvements of the footpath along the site frontage on the Regional Road including
widths where the footpath should be a minimum of 2m in width with public lighting to be
upgraded if required at the road frontage to the site.
b. A Critical Swept Path Analyses for a 3 axle refuse collection vehicle 9.86 metres by 2.50 metres
in dimension, HGVS, a private vehicle and a fire tender demonstrating access and egress to and
from the development site off the R409 and manoeuvrability on the site. The Applicant is
requested to demonstrate the method of refuse collection from the development.
c. Lines of sight at the vehicular entrance, longitudinal gradients and corner radii to be in
accordance with the Design Manual for Urban Roads and Streets (DMURS) 2019.
d. The manner in which surface water runoff at the existing vehicular entrance is collected,
disposed of and not discharge onto the existing public road and footpath network. The manner
in which surface water runoff is collected and disposed of for the application site to comply with
SUDS.
e. Dished kerbs incorporating tactile paving at the pedestrian crossing points within the
application site. Footpaths and pedestrian routes to be 2.00 metres in width with an applicable kerb upstand. (125 mm).
f. The width of the access road should be a minimum of 5.50 metres in width. The width of the circulation aisles should be 6.00 metres in width.
 g. Vehicular parking to be in keeping with Table 15.8 of the Kildare County Development Plan 2023 – 2029.
h. Electric vehicle (EV) charge points to be in accordance with Chapter 5 of the Kildare County
Development Plan 2023 – 2029. to allow for the overnight and emergency charging of EVs. The
EV Chargers should be compatible with the Sustainable Energy Authority of Ireland's Triple E
Register.
i. Bicycle parking facilities to be in accordance with Section 15.7.2 of Chapter 15 of the Kildare
County Development Plan 2023 – 2029 and secure cycle lockers are recommended. Bicycle
parking to be in accordance with Table 15.4 of Chapter 15 of the Kildare County Development
Plan 2023 – 2029. Bicycle parking to be in an area of passive surveillance, protection from the weather, security arrangements and adequate lighting.

j. All signage and road markings to be in accordance with the Department of Transport, Tourism
and Sport (DTTAS) Traffic Signs Manual
k. Perpendicular parking spaces to be 2.50 metres by 5.00 metres marked in 100mm white lines of
a durable material on permeable paving.
I. Disabled parking space. Disabled parking spaces are to be in accordance with the Irish
Wheelchair Association's Best Practice Access Guidelines, clearly marked with 100 mm wide
white lines with a durable permanent material and have 1.20-metre-wide accessibility aisles
cross hatched in yellow. Disabled parking spaces are also to be marked with a white wheelchair
symbol in a durable material.
m. Surface wearing course of the road to be Stone Mastic Asphalt, SMA 14 surf PMB 65/105-60 des
45mm thick, in compliance with clause 942 of NRA/TII specification. All surface water drainage
gullies shall be fitted with suitable locking type covers or gratings.
n. Details of 30 km/h Slow Zones signage and their respective locations in the development in
accordance with the Department of Transport, Tourism and Sport's traffic signs advice note
TSAN-2016-02.
o. Construction and pavement details and dimensions of the proposed internal access roads within
the development which should be a minimum of 5.5 metres wide.
p. Details of facilities for vulnerable road users (pedestrians and cyclists)
q. Footpaths to be a minimum of 2.00 metre wide
r. Straight sections on internal roads to be less than 70m in length.
s. Details of the proposed new vehicular entrance with dimensions.
t. Permeable paving for the car parking areas if proposed to comply with the KCC SUDS Guidelines.
16 The site is located adjacent to the M4 Motorway and this is designated a "Major Road" as defined under
the (principle) European Communities Environmental Noise Regulations 2018, S.I. No. 549 / 2018. The
Applicant will be required to submit an Acoustic Design Statement by a suitably qualified acoustic
specialist to ensure the proposed development will not be exposed to noise levels in excess of the
Kildare County Third Noise Action Plan Lden threshold of 70 dB (A) and Lnight threshold of 57 dB (A).
a. A full noise monitoring survey conducted midweek that is to contain a full set of noise
monitoring results over a 5-day period. These results are to include the Time Run Duration,
LAeqT (1 hour), LAeqT (15min), LAFmax, LAF10, LAF90, calculated hourly Lden noise levels and
measured Lnight noise levels.

b. Calculated Lden and measured Lnight values at the designated open spaces within the application site at a level not less than 1.50 metres above ground level. Calculated Lden and
measured Lnight values at the façades of the proposed development at levels not less than 1.50
metres above each floor level so as not to negatively impact on the useability of open space
(both public and private) and the ability of future occupants to have patio doors / windows
open. The statement is also to include noise mitigation measures, as deemed required, and the
associated estimated noise reduction decibel values in complying with the Kildare County
Council Third Noise Action Plan 2019 – 2023.
c. The predicted internal noise levels to be in accordance with the recommended indoor ambient
noise levels as prescribed under the British Standards BS 8233:2014. This is also to have an
assessment with regard to opening windows at night (in summer months) and the impact on
internal ambient noise levels. This statement shall also assess the number of LAFmax events
from 11.00 pm to 07.00 am having regard to potential sleep disturbance.
d. Details of actual glazing and ventilation strategy proposals.
 Concluding statement having regard to the compliance with the Kildare County Council Third Noise Action Plan 2019 – 2023 and the British Standards BS 8233:2014.
17 The Applicant will be required to submit a Lighting Report and a Site Lighting Layout drawing at a scale of
1:500 demonstrating the development will not be a source of light pollution to adjacent lands, property,
M4 Motorway, Regional Road and the public road network. Calculations are required to be submitted
demonstrating that they have satisfied the requirements of ILP Guidance Notes for the Reduction of
Obtrusive Light (GN01:2011) in relation to the impact of lighting design on the adjoining lands, property,
M4 Motorway, Regional Road and the public road network. The Applicant will be required to review the
existing outdoor lighting arrangements on the adjacent public road network and submit proposals for the
upgrade of outdoor lighting (as deemed required). The lighting scheme is to be in accordance with the
Kildare County Council Lighting Policy Street Lighting Technical Specification June 2019 (where
applicable).
18 The Applicant to ensure that: there is no interference with existing land or roadside drainage.

19 The Applicant should submit a Mobility Management Plan that is to contain:
 a. Full details of all existing public transport links and timetables serving Leixlip and Celbridge. b. Existing and proposed walking and cycling routes in Leixlip and Celbridge. This to reduce car borne journeys to and from the development.

Response

Submission noted with thanks.

KCC Transportation Department has confirmed that it has no objection to the proposed development subject to additional points being considered at detailed design stage. Conditions No. 1 -17 of the submission will be finalised at detail design stage subject to continued consultation with the Transportation Department and relevance to the Wonderful Barn Site.