

Proposed Upgrade of a Section of Existing Access
Roadway at Wexford Wildfowl Reserve, North Slob,
Wexford, Co. Wexford.

CONSTRUCTION PLAN

Client:
National Parks and Wildlife Service,
Dept. of Housing, Local Government and Heritage.

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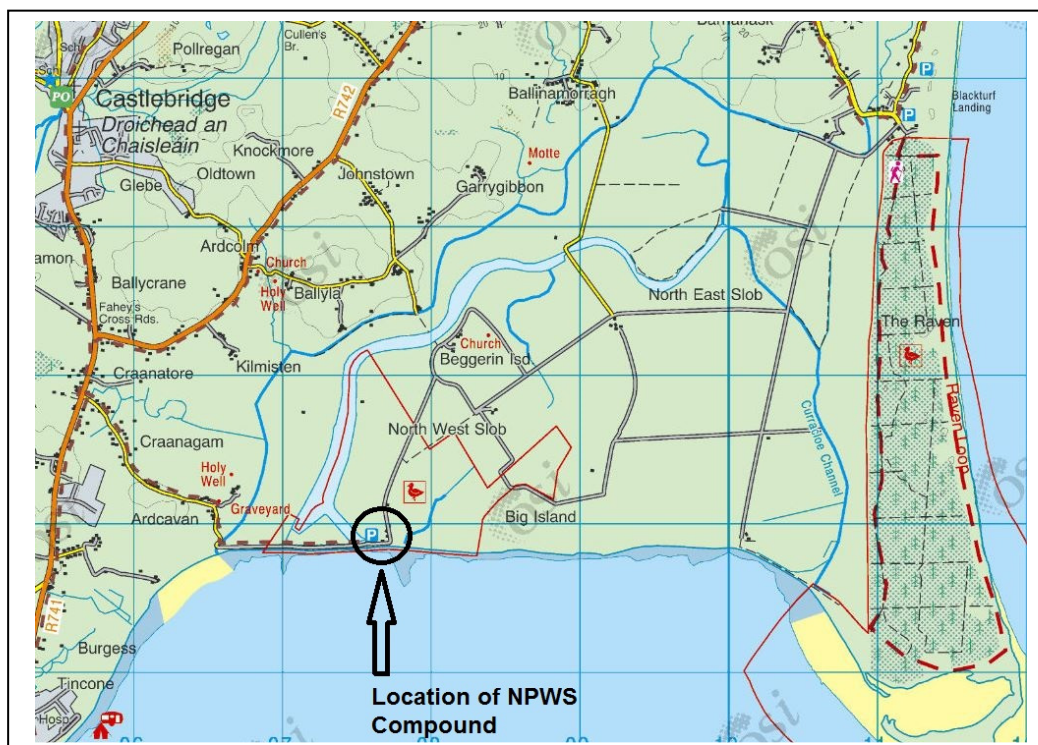
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1. INTRODUCTION AND GENERAL DESCRIPTION OF WORKS

The site to which the *Construction Plan* relates is located along the existing road to the west of the *National Parks and Wildlife* compound, which is shown on the Key Map below. The ITM grid coordinates approximately at the centre of the site are 707100E, 623900N. The aforementioned compound consists of a visitor centre, offices, a workshop and one dwelling house.

Following inspections carried out in August 2023, the section of roadway extending from the existing workshop at the *National Parks and Wildlife* compound to the junction with the public road at Ardcavan Lane was identified as being in need of upgrading work. During 2023, emergency remedial works were carried out to a section of roadway, which was identified as being in urgent need of repair. These remedial works were carried out along 283 linear metres of roadway. Works on the remaining sections (842 linear metres) were identified as being subject to approval by *An Bord Pleanála* and are the subject of this *Construction Plan*.

The Wexford Wildfowl Reserve was established as a nature reserve in 1981. The site of the proposed works is situated within the boundaries of the Wexford Harbour and Slob Special Protection Area (Site Code 004076).



KEY MAP (Extract off O.S. Discover Series Map No.77)

It is proposed to carry out the following works:

- Construction of side drains along selected sections of the northern edge of the roadway.
- Excavation of existing surface to formation levels.
- Placing and compaction of base course and wearing course macadam overlay to the existing roadway.

2. SCHEDULE OF WORKS

The schedule of works is as follows:

- Carry out all preliminaries and mobilization. Carry out all matters relating to statutory requirements, including matters relating to current Health and Safety Regulations. Prepare a full Method Statement and Programme for the entire works programme.
- Construct side drains in accordance with details set out on Drawing No. NPWS-WWFR-2024-2A, dated June 2024, on the following sections of roadway:
 - *Section No.1:* CH00 and CH704.
 - *Section No.2:* CH987 and CH1125.
- Carry out excavation and grading of existing road surface to required formation levels. Existing road edge levels are shown on the Site Plan (Drawing No. NPWS-WWFR-2024-1B, dated May 2024).
- Dispose of excavated material off site in compliance with all current waste management legislation.
- Provide and place combined base course and wearing course macadam over the full road area on the following sections of roadway:
 - *Section No.1:* CH00 and CH704.
 - *Section No.2:* CH987 and CH1125.
- Road upgrade works shall be constructed in accordance with details set out in Proposed Roadway Cross Section Detail (Drawing No. NPWS-WWFR-2024-2A, dated June 2024).

Photographs of the existing roadway are contained in **Appendix A**.

3. CONSTRUCTION MANAGEMENT PLAN

Introduction

The following specific requirements relate to the site to ensure that the work is undertaken in a safe and effective manner. The Construction Management Plan (CMP) elements are as follows:

- Site Operations, Operating Hours, Noise and Vibration Controls including:
 - Details of site security fencing and hoardings.
 - Measures to prevent the spillage or deposit of clay, rubble or other debris on the public road network.
 - Means to ensure that surface water run-off is controlled such that no silt or other pollutants enter local surface water sewers or drains.
- Air and Dust Management.

- Waste and Materials re-use, including:
 - Containment of all construction-related fuel and oil within specially constructed bunds to ensure that fuel spillages are fully contained. Such bunds shall be roofed to exclude rainwater.
 - Off-site disposal of construction/demolition waste and details of how it is proposed to manage excavated soil.

- Traffic Management, including:
 - Location of the site and materials compound(s) including area(s) identified for the storage of construction refuse.
 - Location of areas for construction site offices and staff facilities,
 - Details of on-site car parking facilities for site workers during the course of construction.
 - Details of the timing and routing of construction traffic to and from the construction site and associated directional signage, to include proposals to facilitate the delivery of abnormal loads to the site.
 - Measures to obviate queuing of construction traffic on the adjoining road network.
 - Alternative arrangements to be put in place for pedestrians and vehicles in the case of the closure of any public road or footpath during the course of site development works.

Operating Hours, Noise and Vibration Controls

- All works shall be conducted strictly during the hours of 08.00 hours to 19.00 hours, unless otherwise specifically approved by the supervising Engineer. No work shall be carried out on Saturday, Sunday or public holidays, unless otherwise specifically approved by the supervising Engineer.

- The construction works will comply with BS 5228: Noise and Vibration control on construction and open sites and the following generic mitigation measures are likely to be adopted:
 - Modern, silenced and well-maintained plant will be used at all times, conforming to standards set out in the EU Directives.
 - Percussive plant will be avoided where alternative non-percussive plant is available for a given task.
 - Equipment and vehicles to be shut down when not in use.
 - Semi-static equipment is to be sited and oriented as far as is reasonably practicable away from noise sensitive receptors and will have localised screening if deemed necessary
 - Where possible, mains electricity to be used instead of generators.
 - Burning equipment will be used in preference to cold cutting where possible;
 - There shall be no activity on the site outside of the working hours specified above and as such there should be no noise generation that will exceed 45dB(A) outside these hours.

- During the hours of operation of the site all noise and vibration will be within the limits set out in *BS 5228-1 Code of Practice* for Noise and Vibration Control on Construction Sites: Part 1, with special reference to section 7.3.b where reasonably practicable quiet working methods will be employed including the use of the most suitable plant and 7.3.c where noise will be controlled at source and spread of noise will be in accordance with Clause 8, where any possible breach of the 70 dB(A) noise level may occur.
- It is further proposed that noise levels will be monitored periodically on the boundary of the site particularly if any change in plant is proposed this will be in accordance with Paragraph 7.3.e of BS 5228-1

Site Security and Environmental Protection

- Site security fencing/hoarding will at the public road end of and at the Visitor Centre end of the site of the proposed works to ensure no accidental or intentional trespass of pedestrians onto the site.
- All excavated materials can, if required, be stockpiled temporarily at the car park adjacent to the Workshop.
- Any excavations located close to the public boundary will be specifically monitored to ensure no silt or other pollutants enter local surface water sewers or drains.

Air and Dust Management

The main sources of particle emissions during construction activities include:

- Haulage routes, vehicles and construction traffic;
- Materials handling, storage, stockpiling, spillage and disposal;
- Site preparation, earthworks and restoration after completion;
- Construction and fabrication processes; and
- Internal and external finishing.

A number of other mitigation methods will be implemented to minimise the nuisance and impact arising from dust and smoke produced during construction. These include:

- Implementation of design controls for construction equipment and vehicles and the use of appropriately designed vehicles for materials handling.
- Completed earthworks will be covered, seeded, or vegetated where appropriate and practicable in relation to the phasing of the development.
- Regular inspection and, if necessary, cleaning of local roads and site boundaries to check for dust deposits (and removal if necessary).
- Minimise surface areas of stockpiles, subject to health and safety and visual constraints.
- During dry or windy weather, material stockpiles and exposed surfaces will be dampened down using a water spray to minimise the potential for wind pick-up.
- Use of dust-suppressed tools for all operations.
- Ensuring that all construction plant and equipment is maintained in good working order and not left running when not in use.

Waste and Materials Re-use

In the interest of waste reduction, the site foreman will insure the following:

- Materials are ordered on an “as needed” basis to prevent over supply to site.
- Purchasing coverings, panelling or other materials in shape, dimensions and form that minimises the creation of excessive scrap waste on site.
- Correct storage and handling of construction materials to minimise generation of damaged materials/waste e.g. keeping deliveries packaged until they are ready to be used;
- Correct sequencing of operations; and assigning individual responsibility (through appropriate contractual arrangements) to sub-contractors for the purchase of raw materials and for the management of wastes arising from their activities, thereby ensuring that available resources are not expended in an extravagant manner at the expense of the main contractor.
- All construction-related fuel and oil machinery shall be contained within specially constructed roofed bunds to ensure that fuel spillages are fully contained.
- Full advantage should be taken of all opportunities for the reuse of construction materials.

It is anticipated that some excavated material will have to be moved off site. All waste material shall be disposed of in compliance with current waste management regulations.

Temporary Lighting

As all works shall be carried out during daylight hours, no provision is required for temporary lighting.

Duration of Works

It is expected that:

- The construction of side drains along selected sections of the northern edge of the roadway will be completed in 2-3 days.
- Excavation of existing surface to formation levels, placing and compaction of base course and wearing course macadam overlay to the existing roadway, will be completed in 1-2 days.
- Reinstatement of grass margins will be completed in 1 day.

Traffic Management

The site will be closed for the duration of the works. Users of this roadway shall be informed in advance of this planned closure. Users would typically be as follows:

- Employees and visitors to the NPWS compound.
- Farmers who have farm lands within the *Wexford Wildfowl Reserve*.
- Casual visitors to the *Wexford Wildfowl Reserve*.

These users will be informed in advance of the roadway closure and another access roadway is available. Roadway closure signage shall be erected at the western end of Ardavan Lane.

Due to the expected short duration of the works, there will be no requirements for construction site offices and staff facilities. On-site car parking facilities for site workers is available at the car parking area located to the west of the existing workshop in the *National Parks and Wildlife* compound.

APPENDIX A

PHOTOGRAPHS OF EXISTING ROADWAY



Photograph No.1: View of Existing Roadway taken in or around CH00 looking west.



Photograph No.2: View of Existing Roadway taken in or around CH200 looking west.



Photograph No.3: View of Existing Roadway taken in or around CH1100 looking west.



Photograph No.4: Emergency remedial works carried out in 2023.