Hartley Cartown Group Sewerage Scheme

Part 8 Public Display
3 No. Pumping Stations

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Appendix 8: Ecology and Archaeology Reports.
a. Introduction and description of the proposed works

The proposed Hartley Cartown Sewerage Scheme is located approximately 1km North of Carrick-on-Shannon in the townlands of Hartley and Cartown. The site location Map (i.e.) drawing no. 222/614/001 is enclosed under Appendix 1. This Part 8 Planning proposal is for the 3 no. pumping stations on the scheme.

Leitrim County Council is working in partnership with the Hartley Cartown Group Sewerage Scheme to advance this project. Hartley Cartown Sewerage Scheme comprising 2540m of gravity sewer, 1680m of rising main and 3 No. pumping stations with associated site works in the townlands of Hartley Cartown, Corhawnagh & Cloonsheerevagh, Carrick-on-Shannon, Co. Leitrim. The proposed works will be along local roads L 3400-0; L34001-0, L34011-0 & L7401-0.

b. Details of Proposed Pumping Stations

The location and layouts of the proposed pumping stations are shown on drawing no’s. 222/614/002 to 222/614/005 incl. enclosed under Appendix 2 and also in Photograph No’s 3 to 7 in this report. The plan, elevations and sections of the pumping station are shown on drawing nos. 222/614/006 to 222/614/009 incl. enclosed under Appendix 3. The dimensions of the pumping station site boundaries vary, but are circa 15m x 15m. The site boundaries will be secured by 2m high palisade fencing. This type of fencing was provided at a pumping station located at Lisduff / Cornaslieve, Carrick – On - Shannon as shown in Photograph No. 1 below:

Photograph No.1: Example of a Pumping station (located at Lisduff / Cornaslieve)
The proposed pumping station site boundaries at Hartley Cartown Group Sewerage Scheme will measure approx. 15m x 15m as stated above and will therefore be of a similar scale, design as well as layout to the Pumping Station in Lisduff / Cornaslieve in photograph no. 2 below.

Photograph No.2: Example of similar scale Pumping Station in Lisduff / Cornaslieve.

There will be shrubs planted around the site boundary to minimize the visual impact of the proposed pumping station.
Proposed locations of the Pumping Stations (P.S)

P.S 1

Photograph No.3 & 4: Proposed Location for Pumping Station 1

P.S 2

Photograph No.5: Proposed Location for Pumping Station 2

P.S 3
Photograph No.6 & 7: Proposed Location for Pumping Station 3

c. Account of effluent disposal arrangements.

Hartley Cartown Group Sewerage Scheme will serve 47no. houses

- 20 No. of these Houses located on the Eastern end of the scheme will discharge to the pumping station No.1 (P.S 1) via 1,100m of gravity sewer as shown on drawing no. 222/614/002 Appendix 2. Pumping Station no.1 (P.S1) will then discharge into the public/Irish Water sewer network at Point A.

- 15 No. of these Houses located on the Western end of the scheme will discharge to the pumping station No.2 (P.S 2) via 520m of gravity sewer as shown on drawing no. 222/614/002 Appendix 2. Pumping Station no.2 (P.S2) will then discharge into the group scheme sewer network at Point B.

- 12 No. of these Houses located on the Western end of the scheme will discharge to the pumping station No.3 (P.S 3) via 920m of gravity sewer as shown on drawing no. 222/614/002 Appendix 2. Pumping Station no.3 (P.S3) will then discharge into the public/Irish Water sewer network at Point C.

The scheme design comprises approx. 2540m of gravity sewer as well as approx.1680m of rising main. The extent of the network is shown on drawing no. 222/614/002. The sewer sizes will be finalised once the detailed design is complete. However the gravity sewer is expected to be 100mm dia for the house connections.
and between 150mm to 225mm dia for the main sewer. The rising (pumped) mains are expected to be between 50 and 100mm dia.

d. Details of access arrangements.

All Sewers and rising mains are expected to be in the public road; however the exact details will be decided at detail design stage.

e. Details of public lighting.

There is no new public lighting proposed under the Hartley Cartown Sewerage Scheme.

f. Details on site selection.

The locations for the Pumping Stations have been selected at the proposed locations as they are at the low points at the end of the gravity sewers and are therefore the most suitable locations.

The relatively high density of existing septic tanks and other single house treatment systems in the Hartley / Cartown Area is the significant factor in selecting the area for a proposed Group Sewage Scheme. Furthermore, with the ever increasing risk to potable water supplies from microbiological contamination such as cryptosporidium, Leitrim County Council where possible, targets source protection reasons as it is in close proximity to the raw water extraction point of Carrick-On-Shannon Water Treatment Plant, which produces 9,000m3/day of potable water to a population of approx. 18,000 people.

g. County Development Plan / Local Area Plan.

Hartley Cartown Group Sewerage Scheme conforms to section 4.11.2 of the Leitrim County Council Development Plan 2015 – 2021 that refers to Wastewater Treatment.

Referring to the County Development Plan and in particular, Objective 118: It is an objective of the Council to seek to remedy the risk of environmental damage from
existing septic tanks and stand alone treatment systems at properties on the periphery of towns and villages by seeking the extension of the existing public sewers networks to service these properties.

h. Partnership with the Local Authority.

Hartley Cartown Group Sewerage Scheme will be funded on a partnership basis between Leitrim County Council and the Limited Company established by the Group Scheme Members. The Department of Housing, Planning, Community and Local Government have agreed to fund the scheme.

Hartley Cartown Sewerage Scheme Ltd. is now established as a legal entity and will be entering into a contract with Leitrim County Council. Both of these facts are evidenced by the documentation enclosed under Appendix 6.

A requirement of funding for the group sewerage scheme is that the scheme will be taken over by Irish Water when complete. Leitrim County Council is currently in discussion with Irish Water to get their agreement to take over the scheme on completion. Works will not commence on the GSS until that agreement is reached.