



Ecological Site Characteristics

Legend

- High Hedgerows
- Medium Hedgerows
- Low Hedgerows
- Sparse Hedgerows
- Trees and Hedges to be Retained
- Wetlands
- Highest Conservation Area (HCA)
- Medium Conservation Area (MCA)
- Stream
- Site outline.shp

Note: Criteria for HCA and MCA is outlined in Section 6 of the EIS

KEITH SIMPSON & ASSOCIATES
PLANNING · DEVELOPMENT · ENVIRONMENT · CONSERVATION · URBAN DESIGN
 145 Lakeside Drive, Almside Business Park, Swords, Co. Dublin.
 Tel: 01 890 4085 Fax: 01 890 4095 email: ks@ksa.ie

Title: Ecological Characteristics	
Date: 19th June 2003	Scale 1:3500
Senior Planner: Keith Simpson	Drawn By: Colin Fearn
© Ordnance Survey Licence No. EN 0009002	

5 INFRASTRUCTURE

5.1 Surface Water Drainage

The Clonmagadden site is situated in the catchment area of the River Boyne, which is at an elevation of approximately 14metres below the lowest level of the site and is the main receiving water for all surface water channels in the Navan area. The site is located north of the River Boyne and downstream of the main urban area of Navan town.

A stream which forms the northern boundary of the site is referred to as the Clonmagadden Stream. This small watercourse converges with the River Boyne approximately 400metres to the east of the site boundary.

The flow in the Clonmagadden Stream is from the interconnection of a number of artificial land drains to the north of the site. Temporary ponding occurs in topographic lows and there is also a pond on the northern boundary of the site.

The development of the site will not require any major mitigation measures to limit any storm surge on the site as the volume of water generated will be within the capacity of the current drainage network and engineered culverts; however, the provision of a pond on the site will act as a buffer to a storm surge and also provide amenity value.

5.2 Foul Water Drainage

The construction of development within the site will result in the generation of wastewater. Due to the density of housing within the site it would not be practical nor environmentally desirable to treat the sewage at source. All sewage generated due the site development will be diverted to the main foul drainage network, which will be extended to cater for the development. There is

already a main sewer line crossing the site, so connection to this should be easily facilitated by Meath County Council.

5.3 Water Supply

Existing records do not document any potable supply boreholes in the environs of the proposed site. All water requirements for surrounding residences are supplied from the Navan Public Supply. It is proposed to seek connection to the public supply network to meet the water requirements of the development.

5.4 Electricity Supply

The primary ESB network within the plan area consists of existing 38kv overhead cabling. It is proposed that all new ESB cables within the site will be provided underground.

5.5 Gas Supply

Navan is currently serviced by a gas network. Bord Gais see no obvious constraints to extending the network to this area.

