

**INTRODUCTION**

Infrastructure is defined as the basic services and equipment needed for an area to function properly. The infrastructure requirements of an area such as Ballymun are extensive and involve up to eight services together with a road network. The redevelopment of Ballymun has a significant effect on these services and therefore each element must be appraised and redesigned ensuring that the new Ballymun is well serviced whilst taking account, where possible, of existing deficiencies in the system.

**Overhead Power Lines**

The 38kv overhead power lines cause planning blight to the area and so will be placed underground as part of the redevelopment works.

38KV OVERHEAD POWER LINE

10KV OVERHEAD POWER LINE

38KV OVERHEAD POWER LINE

**North Dublin Drainage Scheme**

This pumping main forms parts of the North Dublin Drainage Scheme which is shortly due for implementation in two phases. Phase 1 can accommodate the area North of St. Margarets Road. Phase 2 can accommodate the remainder of the Study Area. BRL will discuss modifications to the routes and phasing of this Scheme in order to facilitate planned developments.

38KV OVERHEAD POWER LINE  
300 mm EXISTING FOUL SEWER

PROPOSED N FRINGE DRAINAGE SEWER



**TYPICAL CONGESTION OF EXISTING SERVICES**

**Ballymun Road Realignment**

Major works will be carried out to Ballymun Road to alter the nature of the road to that of a High Street, removing the roundabout, modifying the alignment, changing surfaces, introducing intersections, traffic lights, cycle lanes and making provision for the future proposed Luas connection.

200mm GAS TRANSMISSION MAIN  
110KV BURIED POWERLINE

**Santry Avenue Existing Services**

This 110kv power line and 200mm dia gas pipe distribute the main power and gas supply for North Dublin. For logistic and cost reasons they cannot be moved and therefore it will be necessary to plan development around these routes.

**District Heating System**

The future of the central boiler house and existing district heating system serving Ballymun is under review and consideration is currently being given to replacing the existing system with individual boiler units within each dwelling.

**Relocation of Existing Services**

This 300mm dia foul sewer will be diverted into the new proposed network to avoid such services passing through rear gardens within the new development.

CULVERTED RIVER WAD

TYPICAL CROSS SECTION THROUGH PUBLIC UTILITIES

- Power
- Gas
- S/Water drainage
- Street Lighting
- Foul Drainage
- - - Study Area Boundary
- - - Dublin Corporation Boundary

**INFRASTRUCTURE**

The Masterplan attempts to be a flexible framework. Consultation will be on-going throughout the regeneration process.

This section describes the constraints and the complexities of the services.

