



Focus On

Balfour Beatty
Infrastructure Services



Water Safety Provision for Balfour Beatty Infrastructure Services and Connect Roads

Problem Identified

As part of a Scottish Environment Protection Agency (SEPA) directive in relation to Sustainable Urban Drainage System (SUDS), 28 balancing ponds were designed and constructed to accommodate drainage from the main carriageway of the newly built M77 motorway and Glasgow Southern Orbital (GSO). The balancing ponds were designed to reduce the amount of pollution into the natural watercourse, however risk assessment during design showed that the balancing ponds themselves then caused a potential health and safety hazard to the public.



Solution

East Renfrewshire Council, the Scottish Executive, South Lanarkshire Council and Balfour Beatty Infrastructure Services are previous customers of Glasdon UK Limited, and were familiar with the company's products. After a discussion with a specially trained Glasdon Representative and a product demonstration, twenty-eight 600mm Lifebuoy Housings were purchased along with Glasdon B-Line™ and Red/White 600mm Lifebuoys.



Water levels rise or fall depending on rainfall.

The Lifebuoy Housings were chosen as they met all the safety criteria defined by the Local Authorities involved in the design specification for the new roads and balancing ponds. The Lifebuoy Housings are highly visible, provide excellent weather protection, allow ease of operation and require low maintenance. The Lifebuoy Housing is manufactured from tough Durapol® material to help protect the vital life-saving equipment from weather damage.

In order to ensure the continued provision of life-saving equipment around each of the Balancing Ponds along the M77 and GSO, Balfour Beatty Infrastructure Services oversee the maintenance of the Ponds and Lifebuoy Housings on a regular basis. The Glasdon Lifebuoy Housing has a uniquely designed indicator plate which allows quick and easy inspection to assure no tampering has occurred.

Resulting Benefits

The Lifebuoy Housings have provided a highly visible and recognisable safety aid for all users of the network and surrounding roads. The Balancing Ponds along the M77 and GSO are now supported with appropriate health and safety equipment to help ensure the safety of the general public should an emergency situation occur.

Glasdon Lifebuoy Housings:

- **Inform** – Highly visible, readily recognised in case of an emergency.
- **Protect** – Against harmful UV degradation of equipment.
- **Guard** – Help deter thieves and vandals.
- **Save Time** – Indicator plate allows quick and easy inspection.



What the customer says:

“The 28 Glasdon Housing Units which are located throughout the project's roads, beside each balancing pond, are a highly visible and recognisable safety aid in the likelihood of any person being in danger. We believe them to be easily accessible for both safety and maintenance as part of our weekly survey on the roads.”

Grant Kennedy, Operations Manager,
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