



Works Protection of Cattle Trough

100 Chalk Farm Road, Camden, London

Background

This is a grey granite cattle trough, N° 439, that was installed by the Metropolitan Drinking Fountain and Cattle Trough Association in 1877 and is a listed grade II. It is slightly unusual as it retains a cast iron dog's drinking trough under one end as well as the stone tyre rubbers, or fenders, on the roadside to avoid impact damage and from cart wheels.



Cattle trough

It is a standard size being 6' 6" (1.980 m) long and is supported on two granite blocks and would have been positioned so that the outer side is effectively in line with the edge of the roadside kerb below, but which has been adjusted outwards and upwards in modern times.

The trough has suffered slight recent displacement from the base at the west end and is filled with soil and is being used as a plant tub.

This was installed following a donation of £25.00 by the Mrs Kingsley as a memorial to her late husband the Reverend Canon Charles Kingsley. He was one of the Victorian age's most prolific authors and social reformers, but perhaps best known for his novels "*The Water-Babies*" and "*Westward Ho!*", although he also fought for sanitary reform after a cholera epidemic that started in Jacob's Island, Bermondsey.

Protection

Fabricate and install rigid and self supporting box frame of 75 x 100 mm timber with ply gusseted corner joints to sit over the trough with minimum 150 mm clearance to the structure all the way around. The base of frame to be shaped to fit the differing levels of the adjoining road and pavement so that it sits level.

Three fixing brackets of 75 x 75 x 150 mm long per side and one at either end and with holes to take M12 mm x 150 mm anchor bolts to be bolted to outer face of bottom rail of frame and then bolted into road and pavings to secure this to the ground.

Clad sides and with overlapping top with 18 mm thick WPB structural grade plywood screwed securely and rigidly to timber backing frame. All exposed edges / corners of board to be finished with 6 mm chamfer and all screw heads countersunk minimum 1.5 mm.

Yellow triangle / hazard warning signs with the wording '**Keep Off – Do Not Load**' to be fixed to the top and sides of the casing on completion. Edges of casing to have hazard tape stuck to them and this applied elsewhere on the surfaces as considered necessary and / or appropriate.

If the cased trough is to be against or close to vehicle travel / movement route then steel post bollards of minimum 100 mm diameter x 1100 mm high steel CHS position 500 mm diagonally out from each corner and securely bolted in to the ground. An additional centre post to be installed on each side and all posts to be clearly marked with hazard tape or other form of warning to drivers and plant operators.

Conservation

On completion of work the casing to the trough is to be carefully removed and carted away.

All soil is to be removed and the whole structure to be cleaned with DOFF system, or similar as may be agreed, to remove all dirt, algae, graffiti, etc. and then left ready for conservation inspection.

Report to be prepared on the extent of any necessary or advised repair work and conservation work to ensure the longevity of the trough with this being undertaken by the appropriate specialist crafts persons. This to include repositioning and other work as may be envisaged at that time and subject to all necessary statutory and other approvals.