

Culvert Management Plan – Bennett Street, Manchester

1.0 Introduction

Two culverted watercourses (Corn Brook and Black Brook) traverse the site flowing from east to west.

Both watercourses are classified as ordinary watercourses and therefore fall under Riparian ownership meaning their maintenance is the responsibility of the landowner.

As part of the development of the site Black Brook has been diverted under the highways into a new 1500mm diameter concrete pipe with six numbered access manholes.

Full details of the diversion can be found on the Surface Water Culvert Diversion Drawing Ref No. 22122/104/1 Rev G.

Corn Brook is to remain unchanged and is within a double lined 2400mm brick culvert and has a total easement of 16m (8m either side of the centre line).

There are two existing access points for Corn Brook on site. The existing access in the west is considered unsuitable and therefore a new laddered access point (MHS107) has been constructed at the point of confluence between Corn Brook and the newly constructed culvert for Black Brook. The second access is in the centre of the site and has been reconstructed. Man access can be achieved via an A-frame and winch system.

2.0 Managing the Culverts

The culverts do not require day to day care however they will require the following to ensure no debris build up and to prevent future flooding and deterioration of structures.

- Annual visual inspection of culverts at each manhole entry point to be undertaken in summer months to prepare for increased winter flows.
 - If debris/ silt build up or restricted flows are noticed within entry points additional action in the form of CCTV/debris removal and/or jetting as required.
- 5 yearly structural survey in the form of CCTV to be reviewed by competent structural Engineer with any repairs to be undertaken within a timely manner before any degradation of structure occurs.

Appendices

1. As-Built Black Brook Completed Diversion Survey
2. CCTV of existing Corn Brook Dated 26.09.2023
3. CCTV of Diverted Black Brook Dated 13.06.2023