



Key

- Open Ordinary Watercourse
- - - Culverted Ordinary Watercourse
- Main River

NOTES
 CCTV survey and cleaning of culverted watercourse was undertaken on 07 March 2016 and 08 March 2016 by Pure Utility Solutions, 701 Clockface Road, Bold Heath, Widnes, WA8 3XX.

Level survey was undertaken on 22 March 2016 by AW & LA (Warrington Borough Council - Engineering & Flood Risk Team)

Survey Findings

B to C
 Culvert is constructed from random course masonry with slab top and is approximately 800mm x 900mm in size and 11m in length.

Culvert is in good condition however there are a number of utility services cutting through the culvert in a north south direction which at the time of survey were observed to have caught branches but not causing an obstruction to flow. (Debris removed following survey).

It is the intention of the Engineering & Flood Risk Team to install a trash screen at the upstream end of the culvert to reduce the amount of debris entering it and reduce the risk of blockage.

C to D
 Culvert is 525mm diameter concrete pipe and approximately 18m in length.

Culvert is in very good condition but has some fine roots at two of the pipe joints.

Pipe has an approximate fall of 1 in 120.

D to E
 On first inspection the culvert was partially blocked due to siltation/debris towards the outfall into the Ordinary Watercourse. It is most likely that the silt/debris material was pushed back upstream by the rising water during the flood event on 26 December 2015. The Contractor on behalf of the Council undertook jetting in order to clean the culvert.

Culvert is 600mm diameter concrete pipe and approximately 36m in length.

Culvert is in good condition but has some fine roots at four of the pipe joints and a poor incoming connection.

Pipe has an approximate fall of 1 in 107.

E - Headwall Comments
 Headwall was observed to be blocked by debris and in poor condition during CCTV survey/cleaning (debris removed to allow CCTV survey to be undertaken). During site visit on 30 March 2016 by JDP & JWT, headwall was observed to have partially collapsed.

It is the intention of the Engineering & Flood Risk Team to identify owner of headwall and discuss appropriate repairs.

Rev.	Revision Details	Rev by	Chk by	Date:
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WARRINGTON
Borough Council

Economic Regeneration, Growth and Environment Directorate
 Transport and Environment
 New Town House, Buttermarket Street, Warrington WA1 2NH

Project
Ferry Lane Level Survey and Drainage Survey

Drawing Title
Ferry Lane Level Survey and Drainage Survey Results

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Approved by	J W Turton	Telephone	01925 442534
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Phase / Revision			

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