



**ALL YOUR
DRAINAGE
NEEDS.**

CCTV DRAINAGE INSPECTION

Customer;
Alderminster Parish Council

Site Address;
A3400 Main Road
Alderminster
Warwickshire

September 2022

01384 482228

www.midlanddrainage.co.uk





Alderminster Parish Council
Oak View House
Rookery Lane
Newbold On Stour
Warwickshire
CV37 8TZ

September 2022

Dear Sir / Madam,

Re; Culvert Inspection; A3400 Main Road, Alderminster, Warwickshire

With reference to your request to carry out an inspection of the drainage routes at the above please find herewith the report. Following completion, I would inform you as follows;

An attempt was made to inspect the outfall route from the headwall; a broken section and fracture is visible at circa 5.05 metres; following this, at circa 14.41 metres, the pipe diameter reduces to 150mm, at this point the camera unit is unable to proceed as it cannot pass the pipe reduction.

An inspection was made of the field area in which the route travels; it can be seen that there is a broken section of brickwork, in a collapsed state - this would be a major contribution toward the satisfactory operation of the route.

To the rear of this inspection, I have included photos of the areas of concern.

I trust that this is satisfactory to your requirements and should you have any further queries, please do not hesitate to contact us direct on 01384 - 482228. Meanwhile may I thank you for your instruction on this occasion.

Yours faithfully

John Sandy
Director
For Midland Drainage Limited
t/as Midland Drainage Services



Table of Contents

Project Name	Project Number	Project Date
Alderminster Parish Council		20/09/2022

Project Information	P-1
Defect Grade Description (Section)	P-2
Section Profile	P-3
Section Item 1: HW1 > OUTFALL (HW1 - OUTFALL)	1



Project Information

Project Name	Project Number	Project Date
Alderminster Parish Council		20/09/2022

Client

Company: Alderminster Parish Council
Department: Oak View House
Street: Rookery Lane
Town or City: Newbold On Stour
County: Warwickshire
Post Code: CV37 8TZ
Phone: 01789 450242
Email: alderminsterpc@gmail.com

Site

Company: Alderminster PC - Newbold On Stour
Street: A3400 Main Road
Town or City: Alderminster
County: Warwickshire

Contractor

Company: Midland Drainage
Department: Unit 13, Emms Court
Street: Station Drive
Town or City: Brierley Hill
County: West Midlands
Post Code: DY5 3LB
Phone: 01384 482228
Email: sales@midlanddrainage.co.uk



Defect Grade Description (Section)

Project Name Alderminster Parish Council	Project Number	Project Date 20/09/2022
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1:	<p>Brick: Minor structural defects.</p> <p>Other: Minor structural defects, i.e. open or displaced joints without additional characteristics.</p> <p>Acceptable structural condition.</p>
2:	<p>Brick: Circumferential cracking. Single longitudinal crack. Surface mortar loss (depth missing < 15 mm). Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness).</p> <p>Other: Circumferential cracking. Surface damage - spalling slight (breaking away of small fragments from the surface). Surface damage - wear slight (increased roughness).</p> <p>Minimal collapse likelihood in the short term but potential for further deterioration.</p>
3:	<p>Brick: Total mortar loss (depth missing > 50 mm) without other defects. More than one longitudinal crack (at a single location). Multiple cracking. Single bricks displaced. Deformation < 5%, no fracture and only moderate mortar loss. Surface damage - spalling medium (large areas of chipped brick). Surface damage - wear medium (entire surface of brick is missing).</p> <p>Other: Fracture with no deformation or deformation < 5%. Longitudinal cracking or multiple cracking. Minor loss of level. Severe joint defects i.e. Surface damage - spalling medium. Surface damage - wear medium.</p> <p>Collapse unlikely in the near future but further deterioration likely.</p>
4:	<p>Brick: Total mortar loss (depth missing > 50mm) with deformation > 10%; deformation up to 10% and fractured; displaced or hanging brickwork; small number of missing bricks; dropped invert (drop > 20mm); moderate loss of level; surface damage - large spalling (entire surface of brick is missing); surface damage - large wear (entire surface of brick is missing).</p> <p>Other: Broken; deformation up to 10% and broken; fracture with deformation 5-10%; multiple fractures; serious loss of level; serious joint defects with voids or soil visible (open joint with > 50mm soil or void visible or joint displacement > 25% of diameter); surface damage - entire area of pipe surface is missing or severely worn.</p> <p>Collapse likely in the foreseeable future.</p>
5:	<p>Brick: Already collapsed; missing Invert; deformation > 10% and fractured; displaced or hanging brickwork and deformation < 10%; extensive areas of missing brickwork.</p> <p>Other: Already collapsed; deformation > 10% and broken; extensive areas of pipe fabric missing; fractures with deformation > 10%</p> <p>Collapsed or collapse imminent.</p>



Section Profile

Project Name	Project Number	Project Date
Alderminster Parish Council		20/09/2022

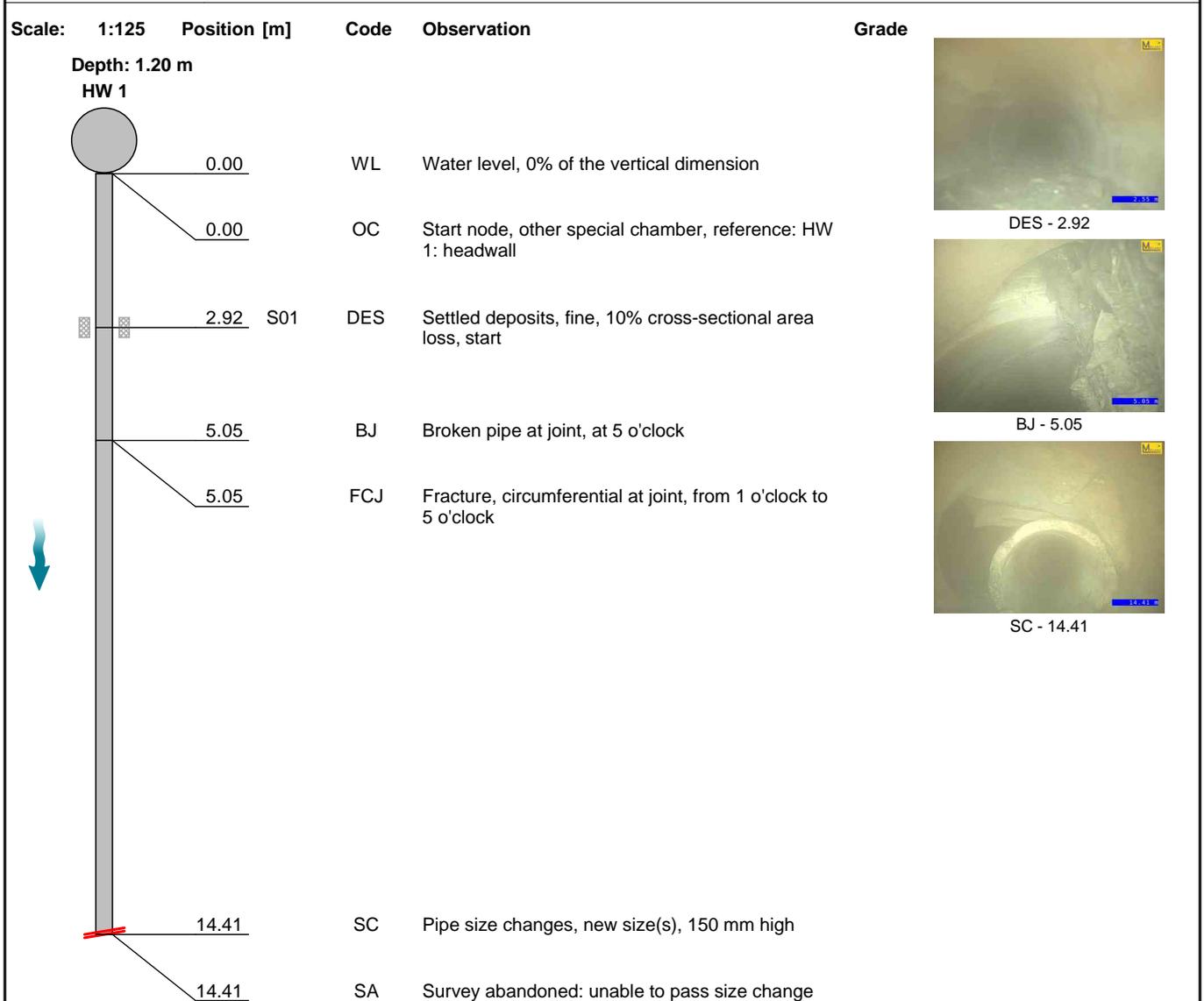
Total: 0 Inspections = 0.00 m Total Length and 0.00 m Inspected Length

Section Inspection - 20/09/2022 - HW 1 - OUTFALL

Item No. 1	Insp. No. 1	Date: 20/09/22	Time: 9:26	Client's Job Ref Not Specified	Weather No Rain Or Snow	Pre Cleaned No	PLR HW 1 - OUTFALL
Operator Not Specified		Vehicle Not Specified		Camera Not Specified	Preset Length Not Specified	Legal Status Not Specified	Alternative ID Not Specified

Town or Village: Alderminster	Inspection Direction: Downstream	Upstream Node: HW 1
Road: A3400	Inspected Length: 14.41 m	Upstream Pipe Depth: 1.200 m
Location: Verge	Total Length: 14.41 m	Downstream Node: OUTFALL
Surface Type:	Joint Length:	Downstream Pipe Depth:
Use: Culverted watercourse	Pipe Shape: Circular	
Type of Pipe: Gravity drain/sewer	Dia/Height: 225 mm	
Flow Control: No flow control	Material: Vitrified clay	
Year Constructed: Not Specified	Lining Type: No Lining	
Inspection Purpose: Investigation of operational problems	Lining Material: No Lining	

Comments:
Recommendations:



STR No. Def	STR Peak	STR Mean	STR Total	STR Grade	SER No. Def	SER Peak	SER Mean	SER Total	SER Grade
0	0.0	0.0	0.0	0.0	0	0.0	0.0	0.0	0.0

Section Pictures - 20/09/2022 - HW 1 - OUTFALL

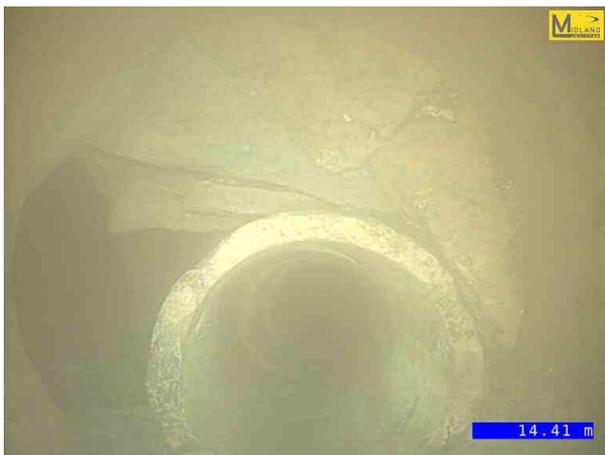
Item No.	Inspection Direction	PLR	Client's Job Ref	Contractor's Job Ref
1	Downstream	HW 1 - OUTFALL		



HW 1 -
 OUTFALL_f040dd7a-b90f-4301-ac4e-90aad8d680d6_202209
 21_121948_995.jpg, 00:00:13, 2.92 m
 Settled deposits, fine, 10% cross-sectional area loss, start



HW 1 -
 OUTFALL_2b0c78da-8fd5-4cc5-9e40-cb0a48c0ca0f_2022092
 1_121954_050.jpg, 00:00:40, 5.05 m
 Broken pipe at joint, at 5 o'clock



HW 1 - OUTFALL_0001.jpg, 00:02:21, 14.41 m
 Pipe size changes, new size(s), 150 mm high

Photo Gallery



Location, Headwall HW1;



Headwall outlet;



Route of culvert; location of collapse;

[Midland Drainage Limited, t/as Midland Drainage Services.](#)

Emms Court, Station Drive, Brierley Hill, West Midlands, DY5 3LB

Tel; 01384 - 482228

Company Registration Number; 5436465

Photo Gallery

Views to show collapsed culvert;





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