

# Drainage Report

Prepared For

**Egniol Consulting Ltd**  
**6 Canon Harnett Court, Warren**  
**Park**  
**Milton Keynes**

**MK12 5NW**

Site

**Penhesgyn Recycling Centre**  
**Menai Bridge**

**LL59 5RY**

**MIDLAND SURVEY**

**Ryan Pearson**

**cctv@midlandsurvey.co.uk**

Total Defects for Project



Total DRB Grades for Project



**40922C Penhesgyn - CCTV Survey Report : 08/06/23**

Name :	MIDLAND SURVEY
Contact :	Ryan Pearson
Location :	Cromwell House, Westfield Road
Town :	Southam
Region :	
Postcode :	CV47 0JH
Email :	cctv@midlandsurvey.co.uk
Contact Number :	
Surveyor :	Ryan Pearson
Valid Certification No :	

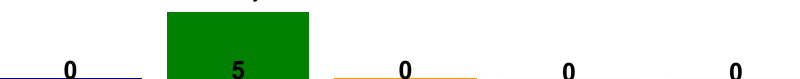
**Client Information**

Name :	Egniol Consulting Ltd
Contact :	Tom Lakins
Location :	6 Canon Harnett Court, Warren Park
Town :	Milton Keynes
Region :	
Postcode :	MK12 5NW
Tel :	
Mobile :	
Email :	
Fax :	

**Site Information**

Name :	Penhesgyn Recycling Centre
Contact :	
Location :	Menai Bridge
Town :	
Region :	
Postcode :	LL59 5RY
Tel :	
Mobile :	
Email :	
Fax :	

Total Defects for Project



Total DRB Grades for Project



Overview

<b>Section: 1</b> From: Outfall01 us To: sa	DRB Grade C	Structural Grade: 0 Service Grade: 4 DRB Grade: C Pipe Size: 900 Material: Concrete Use: Surface Water
<b>Section: 2</b> From: Outfall02 ds To: sa	DRB Grade A	Structural Grade: 0 Service Grade: 0 DRB Grade: A Pipe Size: 600 Material: Polyethylene Use: Surface Water

Total Defects for Project



Total DRB Grades for Project



Scores

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
Outfall01 us	sa	900	Concrete	0	4	1.75	5	0

Start Ref	End Ref	Dia.	Material	Peak Structural Grade	Peak Operational Grade	Mean Operational Score	Peak Operational Score	Peak Structural Score
Outfall02 ds	sa	600	Polyethylene	0	0	0	0	0

Total Defects for Project



Total DRB Grades for Project



Site: ,

Section 1

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name: Ryan Pearson	Date: 08/06/2023
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Start Node Ref: Outfall01 us	Finish Node Ref: sa	Direction: U	Height/Dia: 900
Start Node Depth: 0.00	Finish Node Depth: 0.00	Use: S	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: CO	Cleaned: N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	76	

Structural Peak Grade	0	Operational Grade	4	DRB Grade	C
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Position	Code	Description	CD	Pic	Video Ref	
00.0	OF	Start node type, outfall			0:00:00	
00.0	WL	Water level 5%			0:00:00	
12.0	DES	S1 Settled deposits fine 10%	S1		0:00:00	
21.8	REM	S2 General remark	S2		0:00:00	
25.5	REM	F2 General remark	F2		0:00:00	
31.0	DES	F1 Settled deposits fine 10%	F1		0:00:00	
31.0	DES	S3 Settled deposits fine 20%	S3		0:00:00	
76.0	DES	F3 Settled deposits fine 20%	F3		0:00:00	
76.0	CXI	Connection intruding 03 30% : 150mm Diameter			0:00:00	
76.0	SA	Survey abandoned				

Total Defects for section

DRB Grade for Section



Descriptive Report with Remarks and Observation Images

Section 1

Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	OF		Start node type, outfall, reference Outfall01 us Outfall01 us	
00.0m	0:00:00	WL		Water level: 5% Height/Diameter	
12.0m	0:00:00	DES	S1	Settled deposits fine 12m - 31m: 10% cross-sectional area loss - Severity 2	
21.8m	0:00:00	REM	S2	General remark 21.8m - 25.5m Collapsed Sewer 25%	
25.5m	0:00:00	REM	F2	General remark Defect End Collapsed Sewer 25%	
31.0m	0:00:00	DES	F1	Settled deposits fine Defect End: 10% cross-sectional area loss - Severity 2	
31.0m	0:00:00	DES	S3	Settled deposits fine 31m - 76m: 20% cross-sectional area loss - Severity 2	
76.0m	0:00:00	DES	F3	Settled deposits fine Defect End: 20% cross-sectional area loss - Severity 2	
76.0m	0:00:00	CXI		Connection intruding at 03 o'clock: 30% Intrusion : 150mm Diameter - Severity 2	
76.0m		SA		Survey abandoned Survey Abandoned - Unable to Pass 150mm Intruding Connection	

Total Defects for section



DRB Grade for Section



Site: ,

Section 2

Client:	Location (Street Name):	City/Town/Village	Cust Job Ref.	Surveyors Name: Ryan Pearson	Date: 08/06/2023
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Start Node Ref: Outfall02 ds	Finish Node Ref: sa	Direction: D	Height/Dia: 600
Start Node Depth: 0.00	Finish Node Depth: 0.00	Use: S	Shape: C
Start Node Coordinate:	Finish Node Coordinate:	Material: PE	Cleaned: N

Drain Type	Lining Type	Lining Mat.	Year Const.	Weather	Flow Cont.	Length	Remarks
A				D	N	8.4	

Structural Peak Grade	0	Operational Grade	0	DRB Grade	A
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Position	Code	Description	CD	Pic	Video Ref
00.0	OF	Start node type, outfall			0:00:00
02.9	WL	Water level 50%			0:00:00
03.1	CU	Loss of vision, camera under water			0:00:00
08.4	SA	Survey abandoned			

Total Defects for section

DRB Grade for Section



**Descriptive Report with Remarks and Observation Images**

**Section 2**

Pos	Video Ref	Code	Cont.	Description	Image
00.0m	0:00:00	OF		Start node type, outfall, reference Outfall02 ds Outfall02 ds	
02.9m	0:00:00	WL		Water level: 50% Height/Diameter	
03.1m	0:00:00	CU W		Loss of vision, camera under water	
08.4m		SA		Survey abandoned Survey Abandoned - Unable to Pass Obstruction Under Water Level	