

Case Study UV Lining Foss Las Race Course

<b>Case Study Number:</b>	<b>Case Study 1</b>
<b>Title:</b>	Foss Las Race Course Carmarthen
<b>Client:</b>	Welsh Water
<b>Location of Services:</b>	
<b>Contract Value:</b>	N/A
<b>Contract Dates:</b>	2023
<b>Scope of Services:</b>	<ul style="list-style-type: none"> <li>● Enabling Works</li> <li>● CCTV</li> <li>● Jetting</li> <li>● UV Lining</li> </ul>

**Introduction**

Drainforce were tasked to resolve infiltration gushing into the sewer system at Foss Las Race Course Llanelli. The pipe in question a 225mm clay pipe approximately 570m long.

Through Pre-Site investigations and Meetings we highlighted all the Manholes which had infiltration.

**Photo of Infiltration Gushing before works.**



It was agreed that we would make a liner long enough to line through all the Manholes which had infiltration thus sealing the system.

This was only possible with the use of our Mega UV lining Rig which has a 300m Air Conditioned Cable allowing Drainforce to seal though 5 Manholes in one single pull.

Before Works commenced Pre Site Meetings and Briefing's were completed Daily ensuring the details of the Method Statements were filtered through and that Daily Dynamic Risk Assessments were completed monitoring Weather and any variable conditions.

Drain force cleaned pipe with their recyclers and set up heavy duty rollers within the Manholes which were drilled into position in preparation for winching the liner into position.

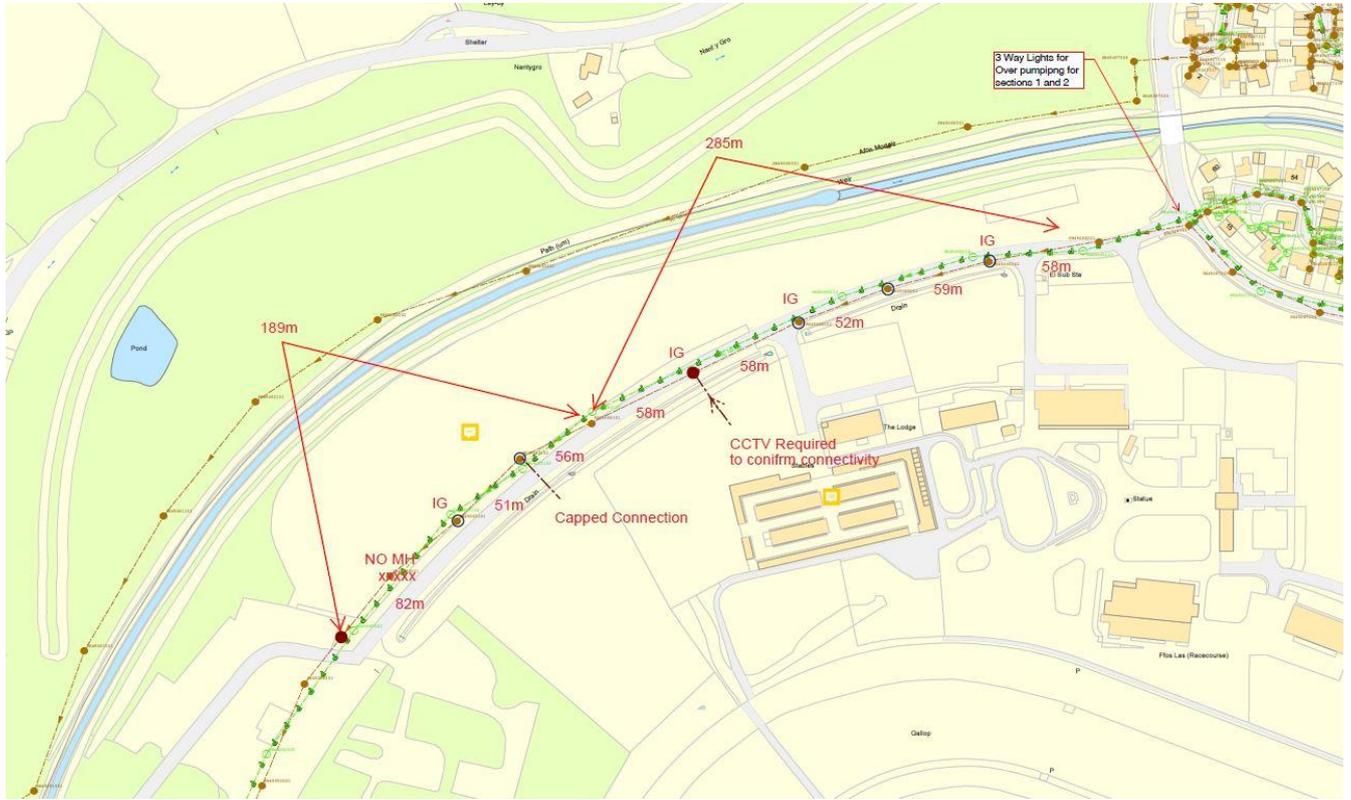
The liner was winched in with a 5t winch due to weight of the liner being over 2t. A glide foil was installed to protect the liner and to assist with a smooth drag in process.

The liner was cured in line with all protocols and a post survey completed after the works.

**Photo before lining showing gushing infiltrating**  
**Photo after lining with the system sealed**



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The lines were post surveyed and the system put back into operation immediately after completion of the works with all data uploaded to Wincan Web for the client to view.

All works was completed in house with fully trained Staff.

All work was completed ahead of schedule and within Budget.

### **Health & Safety**

Drainforce had Zero incidents during the project.

### **Staff Competence**

LUL ICI

PTS

BTA

First Aid

Track Trolley

SPC

Wrc approved lining installers for UV lining with approved products

Street Works

Confined Space

Risk Awareness

First Aid

Water Jetting Association

Associated Training on Equipment (Prokasro, Whale)

Asbestos

Manual Handling

OS19X and 21X

### **Quality Assurance**

Drainforce are ISO 9001 and 14001 certified. We continuously monitor and improve our quality of services to this contract through the following points

### **Collaborative Working**

Drain force attend weekly meetings with the land owners and client on site and in their offices with a fluid project plan updated. Daily Work sheets and updates are also emailed.

### **Plant and Equipment**

Drainforce Made use of it's portable UV system to allow for a set up on Track distances to far away for the UV Rig to use. We also used our Main Line UV Mega Rig which has a 500m air conditioned cable. This would not of been possible with Standard Equipment.

All Equipment was less than 80dbs complying with Council noise regulations.

### **Value for Money**

Drainforce provide excellent value for money through efficiencies on site and experience staff. An attitude of getting it right first time and over delivering works to ensure repeat visits are not required. We offer excellent value for money through a schedule of rates with a clear transparent invoicing system which is charged on what we do not how long we spend on a job.

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