

Storm Bert Recovery Update

Pentrebach



Cyngor Bwrdeistref Sirol
MERTHYR TUDFUL
MERTHYR TYDFIL
County Borough Council

February 2025

Introduction

On 24 November 2024, Storm Bert caused extensive damage throughout Merthyr Tydfil together with flooding of properties in various locations.

Our Emergency Control Room was set up at the Civic Centre and Rest Centres were activated at Merthyr Tydfil and Aberfan leisure centres. Officers and Councillors were also deployed to those areas worst affected to help with the substantial clean-up operation.

Assessments were carried out in the weeks following the storm to determine the extent of the damage to drainage infrastructure, bridges, retaining walls, river embankments and disused coal tips. Eight landslips also occurred, together with the collapse of the Nant Morlais culvert in Pant, which formed a large sinkhole within the Nant Morlais housing estate.

73 repair schemes have been identified in total and Welsh Government has provided £5.7million of funding for 30 schemes under Phase 1. All repair schemes identified within Pentrebach are included within the 30 schemes and a list of the work is provided in the table on page 2 with the associated location plan on the following pages.

Work has already started onsite and is progressing well. We hope to complete all the schemes in Pentrebach before the end of March 2025.

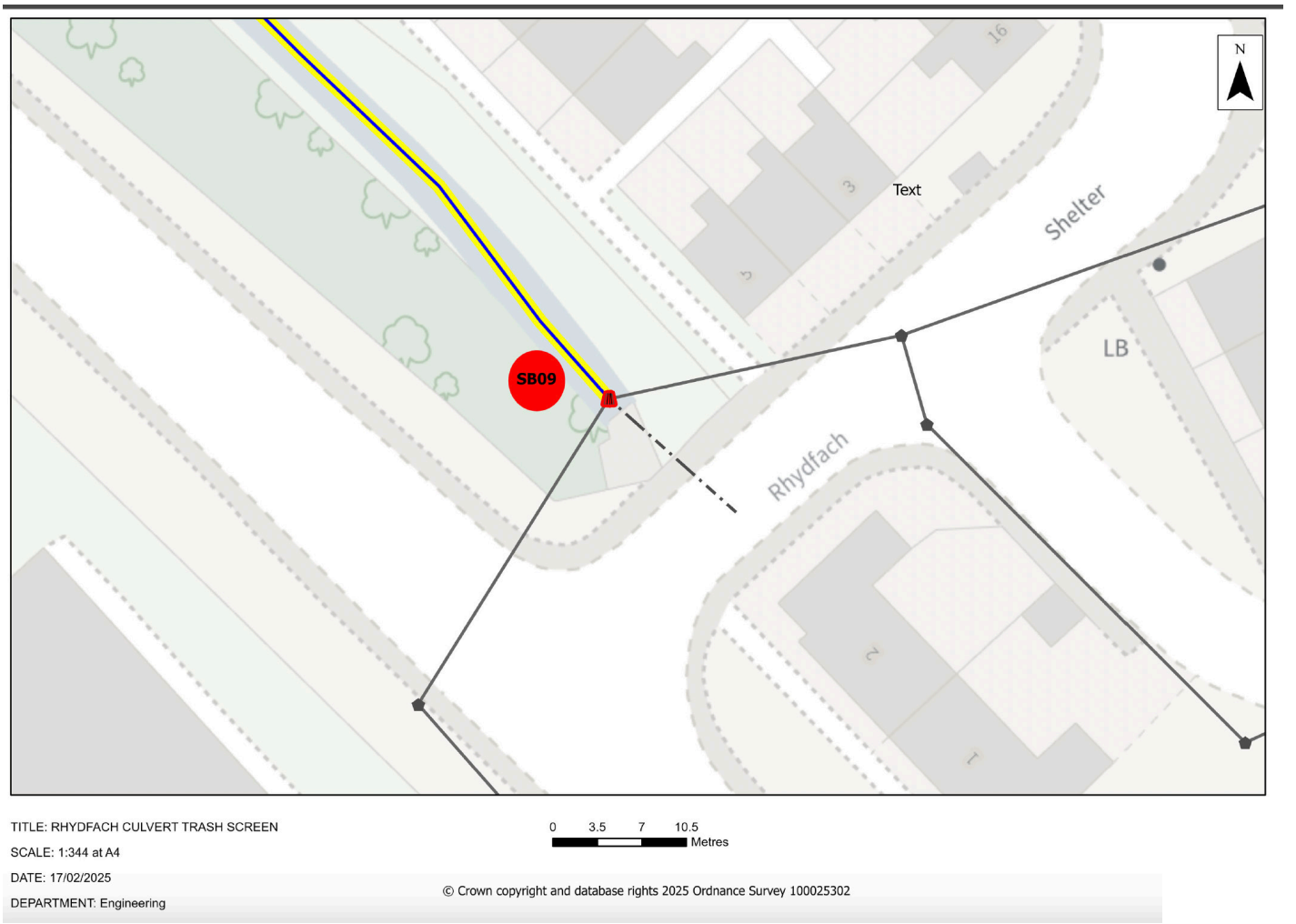


Schedule of Works:

All works due to be completed by 31 March, 2025.

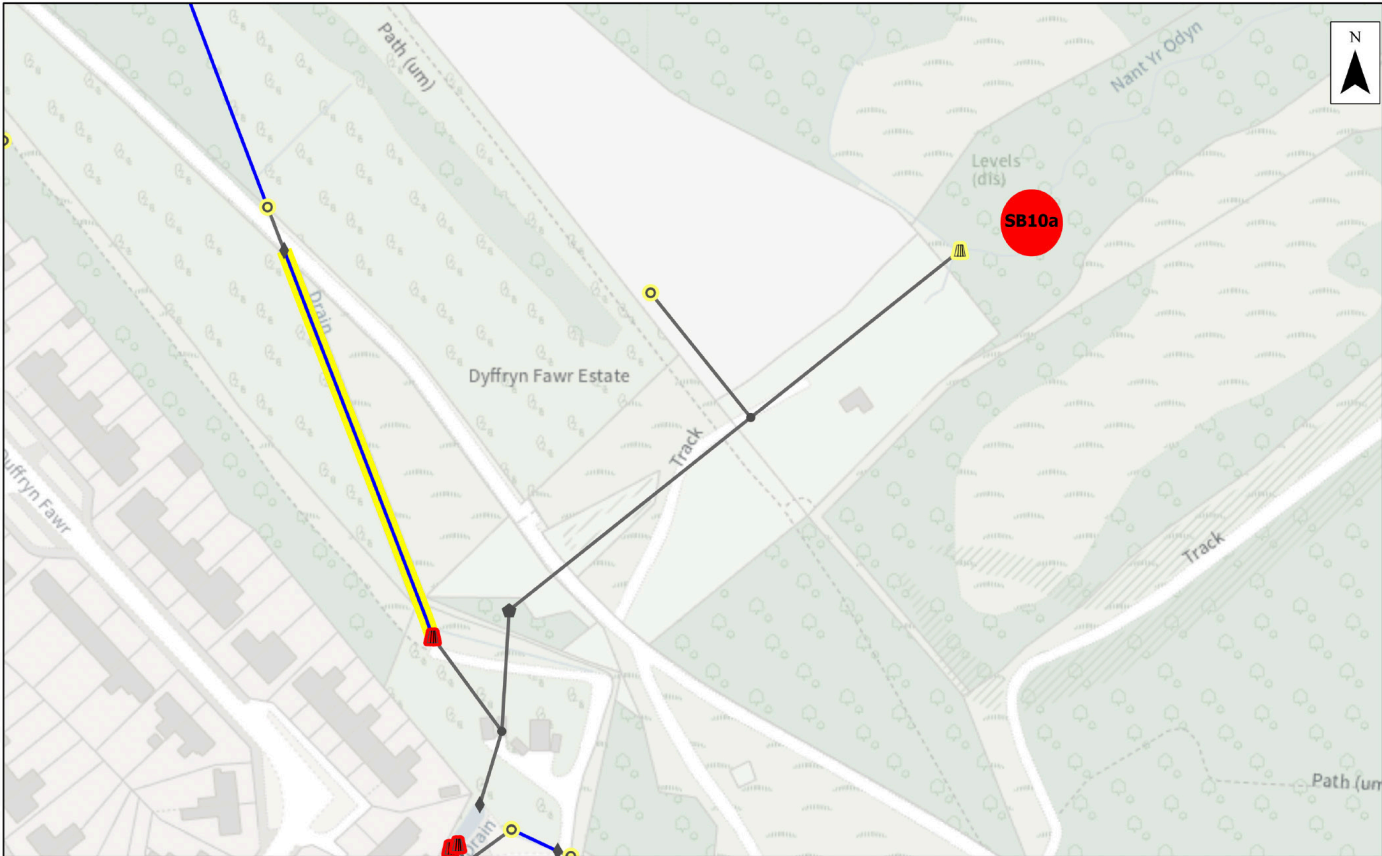
| Scheme No. | Location | Works |
|------------|--|--|
| SB09 | Rhydfach | Replacement of trash screen at Rhydfach lower culvert inlet |
| SB10a | Nant-Yr-Odyn watercourse | Improve headwall structure and trash screen. Install lined channel to overflow structure to protect against future overtopping. |
| SB10b | Nant-Yr-Odyn incline | Formalise haul road surface, install drainage grips to divert surface water to new drainage ditches near Trevithick Trail. Install new 600mm pipe at Trevithick Trail and construct lined channel to outfall chamber at General Dynamics channel. |
| SB13 | Greenfield School | Install 50m of new 1.2m diameter culvert to seal watercourse. |
| SB22 | Land to north of Chapel Close | Expose existing masonry culvert. Install new culvert to existing culvert. Construct 2m retaining wall. |
| SB49 | Trevithick Trail behind cricket ground | Re-profile and line 100m of existing watercourse with Concrete Canvas. |

Scheme No: SB09



| Scheme No. | Location | Works |
|------------|----------|--|
| SB09 | Rhydfach | Replacement of trash screen at Rhydfach lower culvert inlet. |

Scheme No: SB10a

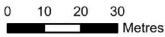


TITLE: NANT YR ODYN CULVERT IMPROVEMENT

SCALE: 1:1,311 at A4

DATE: 17/02/2025

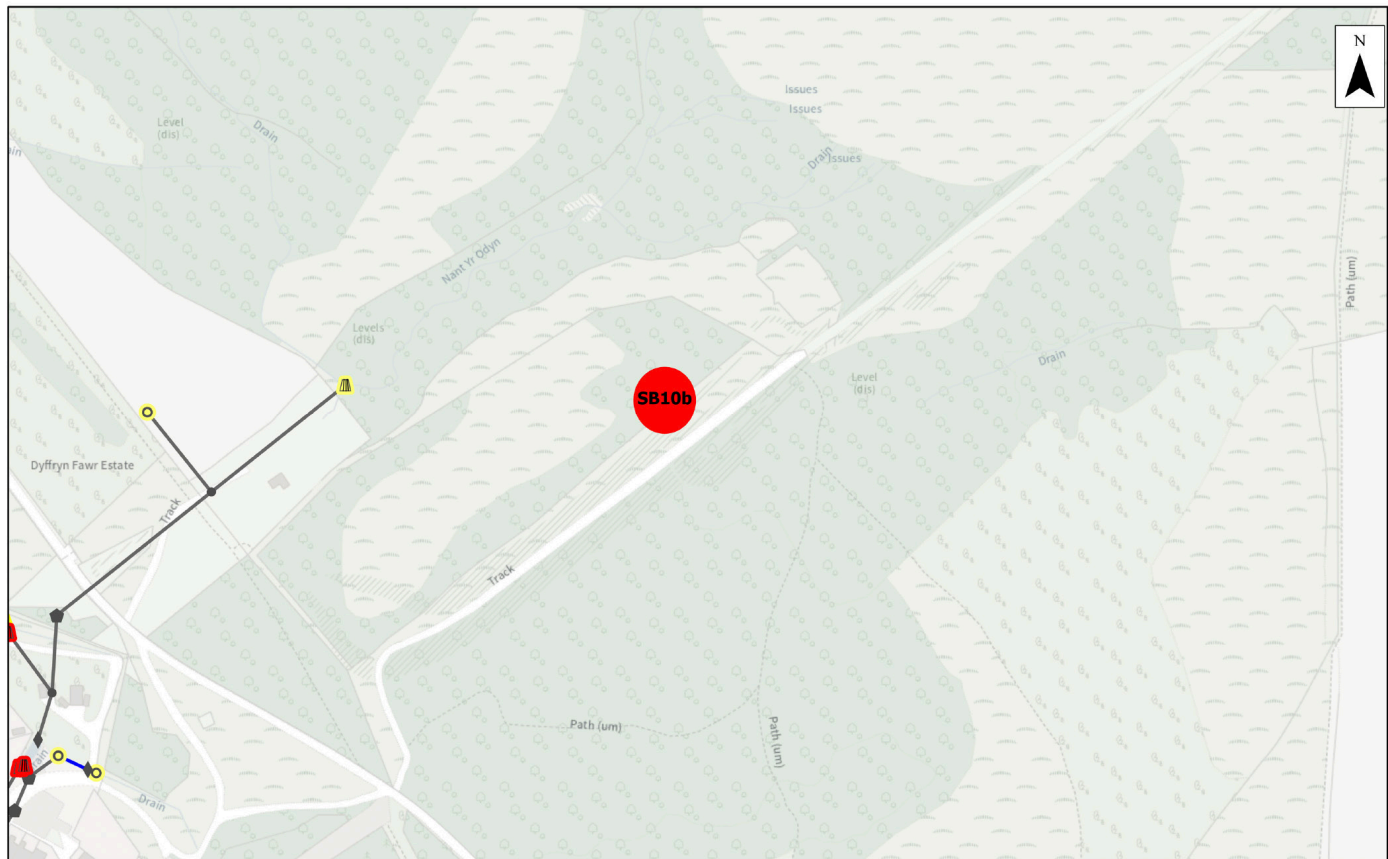
DEPARTMENT: Engineering



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| Scheme No. | Location | Works |
|------------|--------------------------|---|
| SB10a | Nant-Yr-Odyn watercourse | Improve headwall structure and trash screen. Install lined channel to overflow structure to protect against future overtopping. |

Scheme No: SB10b

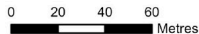


TITLE: NANT YR ODYN HAUL ROAD DRAINAGE

SCALE: 1:2,048 at A4

DATE: 17/02/2025

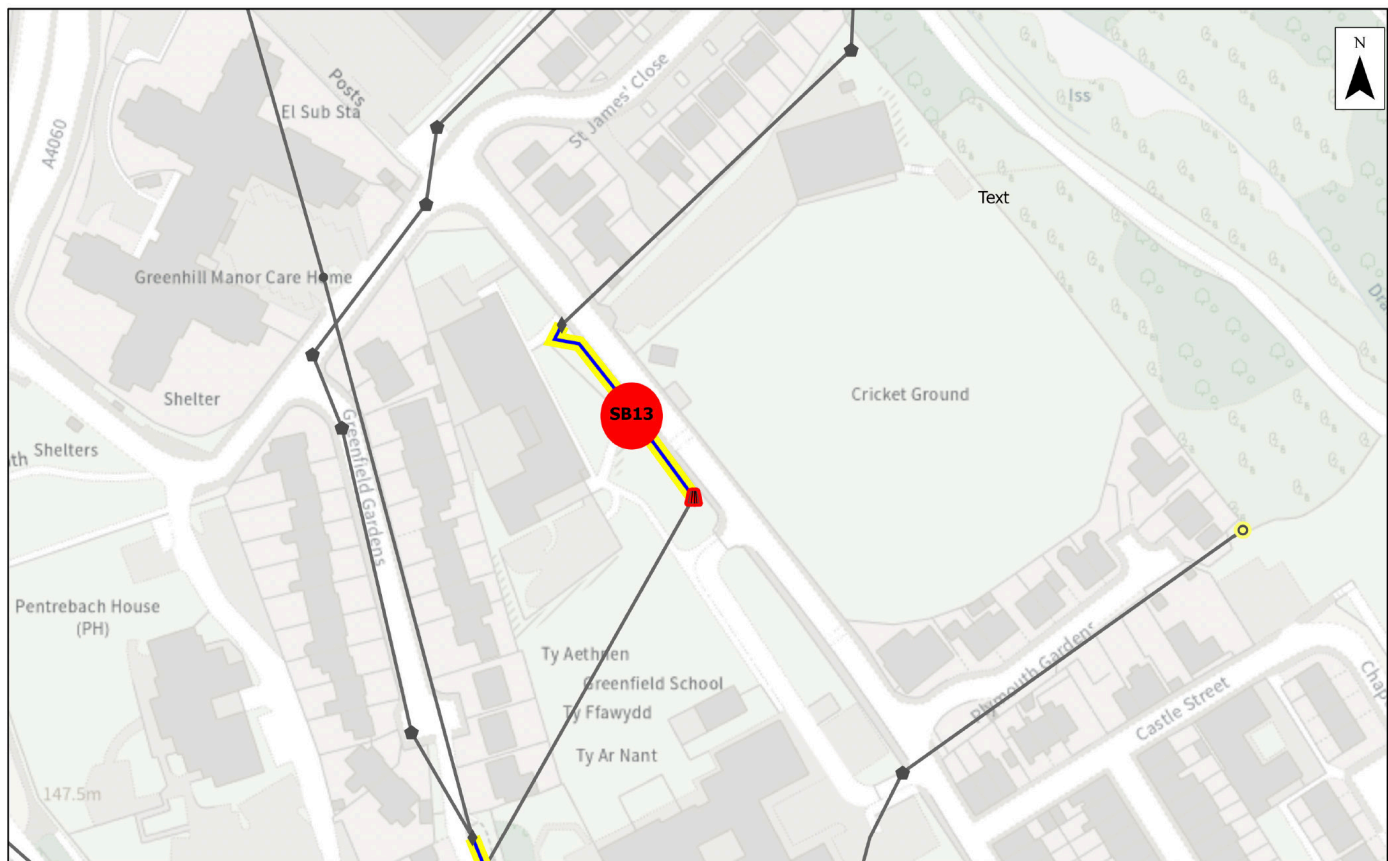
DEPARTMENT: Engineering



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| Scheme No. | Location | Works |
|------------|----------------------|---|
| SB10b | Nant-Yr-Odyn incline | <p>Formalise haul road surface, install drainage grips to divert surface water to new drainage ditches near Trevithick Trail.</p> <p>Install new 600mm pipe at Trevithick Trail and construct lined channel to outfall chamber at General Dynamics channel.</p> |

Scheme No: SB13

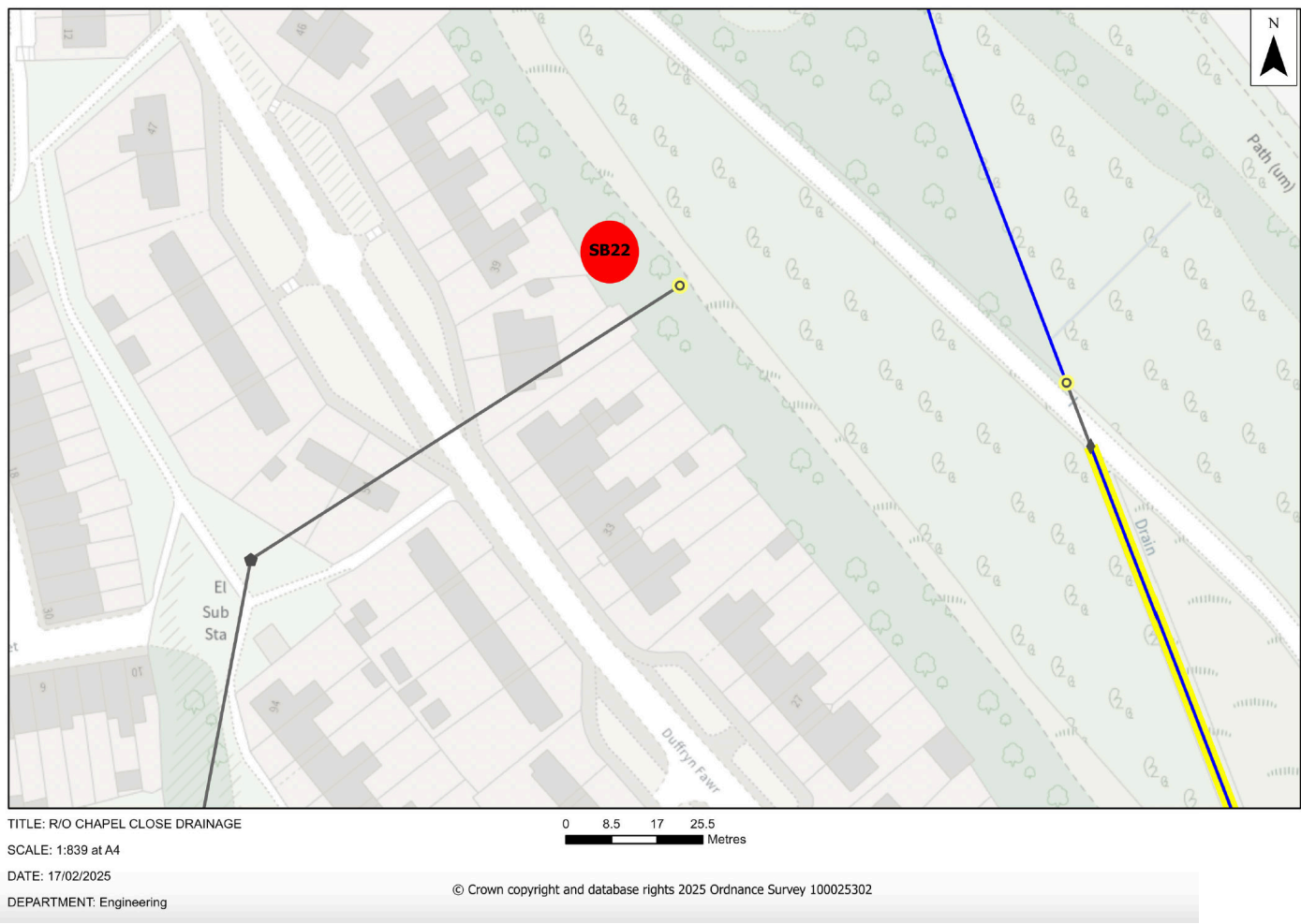


TITLE: GREENFIELD SCHOOL CULVERT
SCALE: 1:1,311 at A4
DATE: 17/02/2025
DEPARTMENT: Engineering

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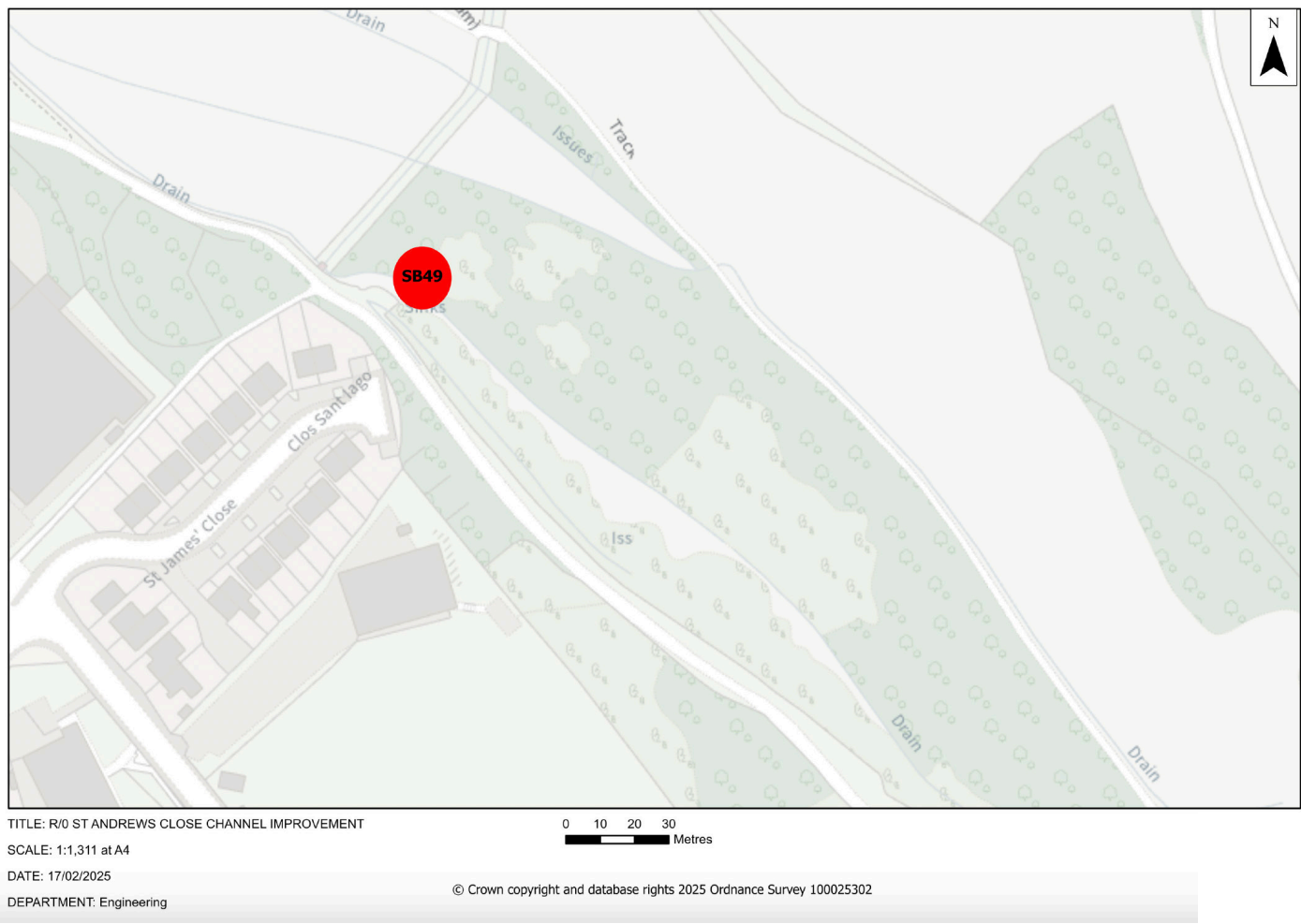
| Scheme No. | Location | Works |
|------------|-------------------|---|
| SB13 | Greenfield School | Install 50m of new 1.2m diameter culvert to seal watercourse. |

Scheme No: SB22



| Scheme No. | Location | Works |
|------------|-------------------------------|---|
| SB22 | Land to north of Chapel Close | Expose existing masonry culvert. Install new culvert to existing culvert. Construct 2m retaining wall. |

Scheme No: SB49



| Scheme No. | Location | Works |
|------------|--|--|
| SB49 | Trevithick Trail behind cricket ground | Re-profile and line 100m of existing watercourse with Concrete Canvas. |

Nant-Yr-Odyn Coal Tip

As you maybe aware, over the last few years Merthyr Tydfil County Borough Council has been carrying out substantial work to alleviate the ground water issues around the disused Nant-Yr-Odyn coal tip.

A further £4million has been requested from Welsh Government to carry out additional works to ensure all the ground water related issues are addressed.

The coal tip continues to be inspected every six months by the Mining Remediation Authority (formerly The Coal Authority), together with drone surveys being carried out every 12 months by a specialist drone company.

Due to questions and concerns being raised by the community and Ward Councillors, regarding potential movement of the tip, which we have taken very seriously, monitoring of the tip has been undertaken over the last 12 months and will continue this year.

Over the next few weeks, we will be drilling three x 65m (213ft) deep boreholes through the tip and installing standpipes to monitor the ground water levels. Advice has also been sought from Geotechnical Engineers and Geologists and we have recently appointed Earth Science Partnership together with engineering consultants WSP, to advise on the next stage of the works, subject to Welsh Government funding.

It must be noted that no movement of the tip has been recorded.

Further information will be provided prior to the next stage of works starting onsite.

If you have any questions or comments you can contact our Engineering Department:



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